CDM Camp Dresser & McKee

FILE COPY

SARASOTA COUNTY
CCSWDC

BIENNIAL GROUNDWATER QUALITY REPORT

Prepared By:
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January 2000

SARASOTA COUNTY

"Dedicated to Quality Service"

January 27, 2000

John Morris, P.E.
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Central County Solid Waste Disposal Complex
Permit No.: SO58-299180
Groundwater Monitoring Plan

Dear Mr. Morris:

Please find enclosed one signed and sealed copy of the Groundwater Monitoring Plan evaluation required under Operating Permit No. SO58-299180, Special Condition 40, for the Central County Solid Waste Disposal Complex.

Should you have any questions regarding this report, please contact me.

Sincerely,

Gerald L. Bennett
Solid Waste Operations Manager

GLB:lh
Enclosure
c: Laura Andrews, P.E., Camp Dresser & McKee Inc. (w/o enclosure)
Robert J. Butera, P.E., Florida Department of Environmental Protection (w/o enclosure)
Anita Largent, General Manager, Solid Waste (w/o enclosure)

ENVIRONMENTAL SERVICES, Solid Waste Operations • 4000 Knights Trail Road, Nokomis, FL 34275
Tel 941-486-2600 • Fax 941-486-2620

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Biennial Groundwater Quality Report Central County Solid Waste Disposal Complex

January 2000

Prepared By:
Camp Dresser & McKee

William T. Beeson, P.G.
Professional Geologist
License No. 1214
Date: 1/27/2000

Laura S. Andrews, P.E.
Professional Engineer
License No. 47683
Date: 01/27/2000

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Section 1
Biennial Groundwater Quality Report Central County Solid Waste Disposal Complex

1.1 Background

Sarasota County currently owns and contracts for operation of the Central County Solid Waste Disposal Complex (CCSWDC) located in Sarasota County, Florida. The CCSWDC site is approximately 550 acres and began accepting domestic municipal waste on June 15, 1998. CCSWDC is permitted under Florida Department of Environmental Protection (FDEP) Permit No. SO58-299180 issued July 30, 1997 for operation of a Class I Landfill. **Figure 1-1** depicts the general site location of the CCSWDC.

The initial construction permit for the CCSWDC included installation and monitoring of twelve groundwater monitoring wells (MW-1 through MW-12) and seven surface water stations (B1 through B7) prior to landfill construction and operation. In accordance with the 1997 operating permit, the groundwater and surface water monitoring points are MW-1, MW-2, MW-4, MW-8 through MW-12 and B1 through B7, respectively. Wells MW-6 and MW-7 were abandoned in accordance with F.A.C. 62-532.440 and applicable regulations of the Southwest Florida Water Management District on September 25, 1997. Groundwater monitoring wells MW-3 and MW-5 have not been abandoned. It is anticipated monitoring wells MW-3 and MW-5 will be used at a later date as landfill operation activities expand. These wells are currently not monitored for water levels or water quality.

Figure 1-2 depicts the locations of the groundwater and surface water monitoring stations prior to the 1997 operating permit and well abandonment. **Table 1-1** lists the groundwater monitoring well depths and surveyed casing data. The hydrogeological units underlying the Sarasota County CCSWDC as reported in Ardaman and Associates Geotechnical Evaluation, Hydrogeologic Survey, and Groundwater Monitoring Plan, Sarasota Central Landfill Complex, Sarasota County, Florida March 10, 1992 consist of the surficial aquifer system, intermediate aquifer system (Tamiami-upper Hawthorn and lower Hawthorn-upper Tampa aquifer), and the Floridan aquifer system. The available regional hydrogeological data indicate that the surficial aquifer is less than fifteen feet thick; however, the two areas on the site have sand thickness greater than twenty feet. These thicker deposits are west of the Cow Pen Slough Canal and in the vicinity of the Myakka River to the east. Prior to the construction of the CCSWDC, the regional surficial aquifer groundwater flow was controlled by the Myakka River to the east of the property and Cow Pen Slough Canal

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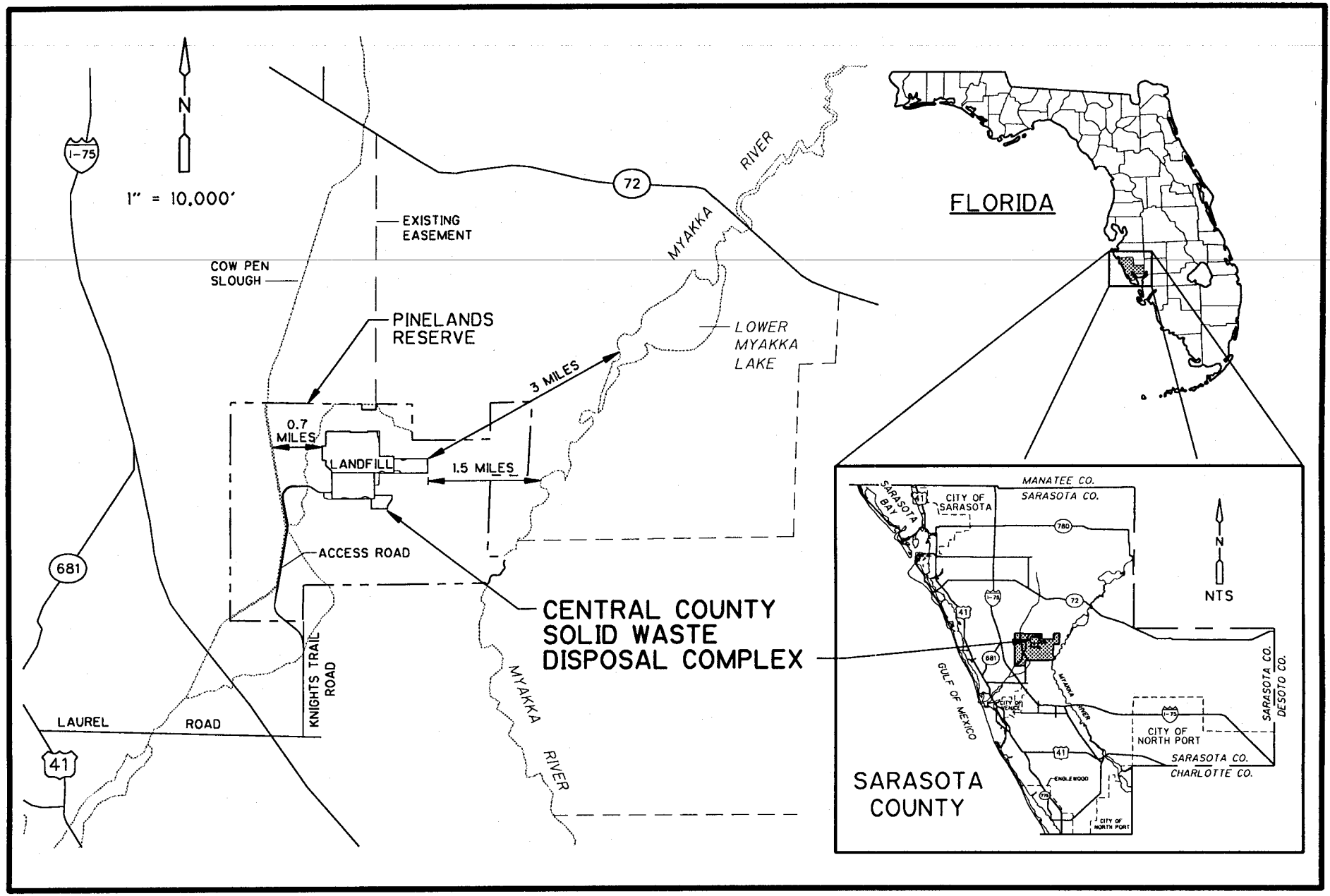

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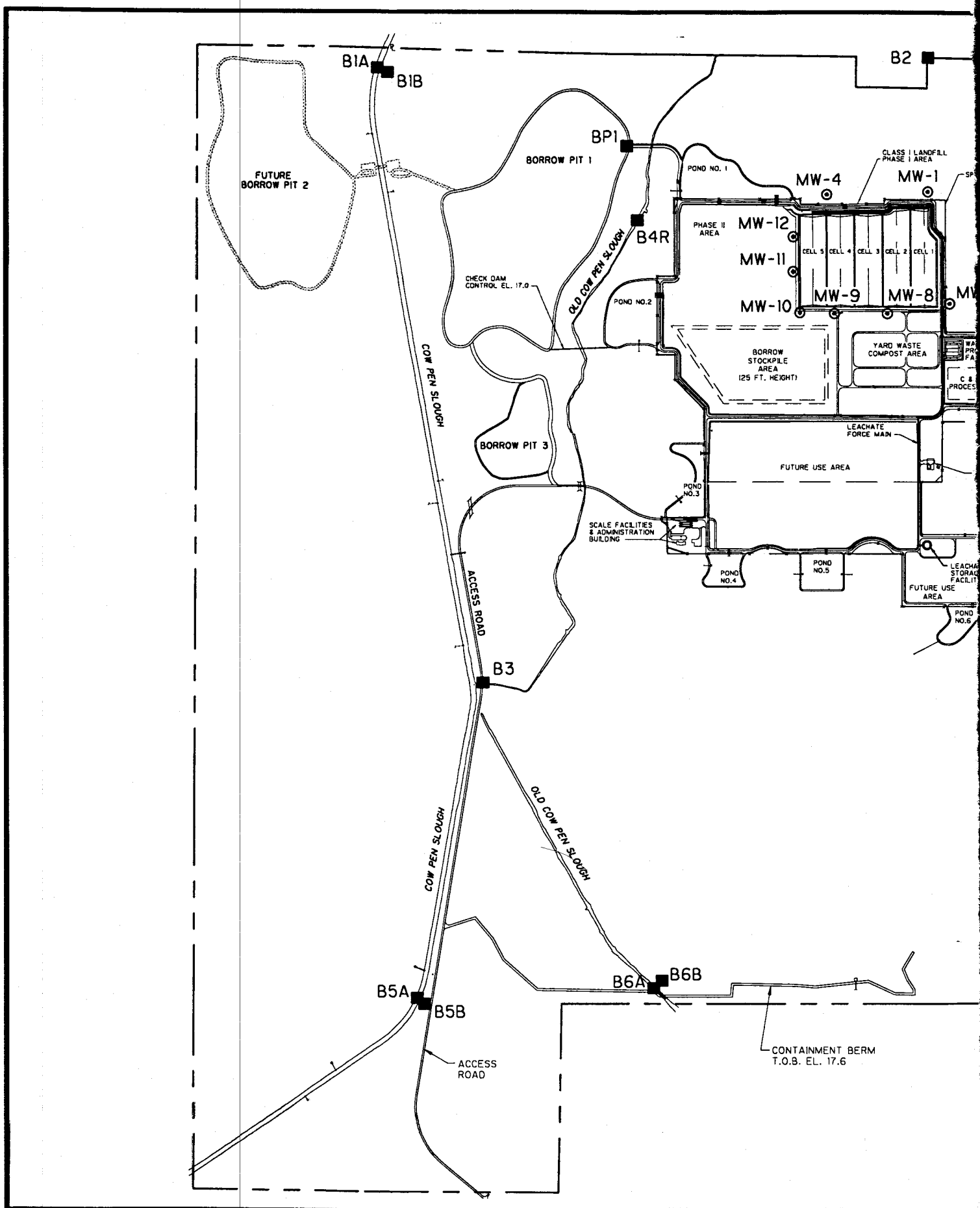
Figure No. 1-1
Sarasota County
Central County Solid Waste Disposal Complex
General Site Location Map



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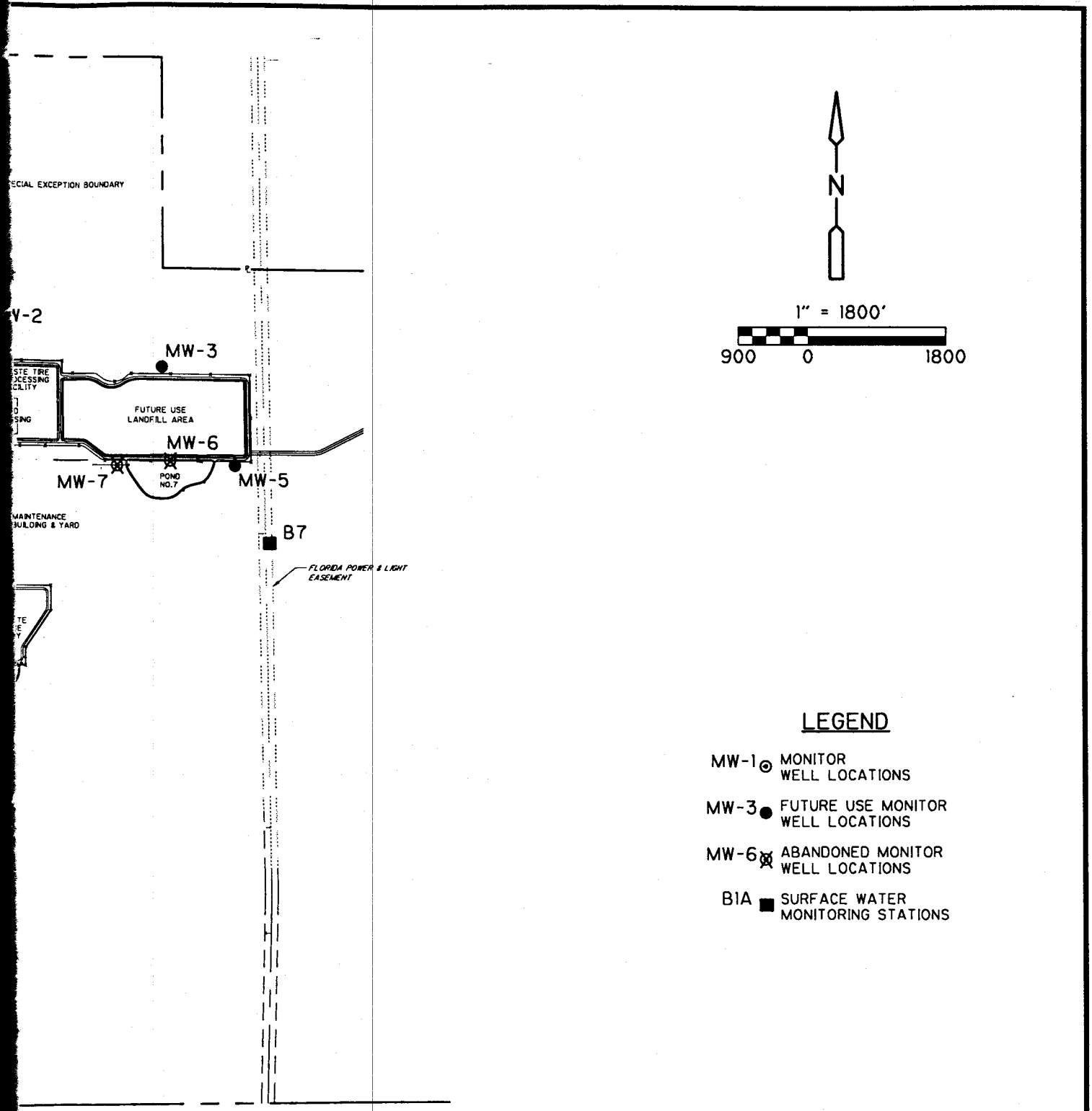

Figure No. 1-2
Sarasota County
Central County Solid Waste Disposal Complex
Site Plan

Well No.	Aquifer	1994 Well Diameter Inches	1994 Total Depth Feet BLS	1994 Screened Interval Feet BLS	1994 Survey Top of Casing Feet NGVD	1999 Survey Top of Casing Feet NGVD
MW-1	Surficial	2	10	2 - 10	24	24
MW-2	Surficial	2	11.5	3.5 - 11.5	23.38	23.38
MW-3	Surficial	2	10	2 - 10	23.53	23.53
MW-4	Surficial	2	13	3 - 13	22.82	22.82
MW-5	Surficial	2	10	2 - 10	22.95	22.95
MW-6	Surficial	2	13	3 - 13	22.83	*
MW-7	Surficial	2	10	2 - 10	22.97	*
MW-8	Surficial	2	11	3 - 11	23.69	31.6
MW-9	Surficial	2	11.5	3.5 - 11.5	22.97	35.05**
MW-10	Surficial	2	10.5	2.5 - 10.5	23.29	31.44
MW-11	Surficial	2	10.5	2.5 - 10.5	22.79	26.11
MW-12	Surficial	2	15	5 - 15	23.25	26.36

BLS - Below Land Surface
NGVD - National Geodetic Vertical Datum
* Monitoring Wells MW-6 and MW-7 were abandoned on September 25, 1997
**Unofficial Field Shot of Top of Casing

to the west. East of the landfill solid waste cells, the groundwater flow within the surficial aquifer was reported to be to the east toward the Myakka River. West of the landfill solid waste cells, groundwater flow within the surficial aquifer flowed west toward Cow Pen Slough Canal east of the canal, and east toward Cow Pen Slough Canal west of the canal.

Samples collected from the groundwater and surface water monitoring points are analyzed for the water quality parameters shown in **Table 1-2** twice a year (semi-annually) per the operating permit requirements. Water level data are collected and recorded for the groundwater and surface water monitoring stations on a semi-annual basis. Rainfall at the CCSWDC site is recorded on a daily basis. This biennial report was prepared in accordance with the requirements specified in F.A.C. 62-701.510(10)(b). Data contained in this report was produced from information provided by Sarasota County Solid Waste Department and submitted to the Florida Department of Environmental Protection on required permit reporting forms.

1.2 Semi-Annual Monitoring

This report includes results of the semi-annual sampling events for groundwater monitoring wells MW-1 through MW-12 at the CCSWDC conducted prior to the construction and operation of the facility during the periods of July and November of 1994. Additional data is included for groundwater monitoring wells MW-1, MW-2, MW-4, and MW-8 through MW-12 conducted for the periods of September 1998, April 1999, and November 1999. The 1994 groundwater monitoring data were used to develop a baseline for water quality and flow directions prior to the operation of the CCSWDC.

Wells MW-1, MW-2 and MW-4 are considered upgradient or background groundwater monitoring wells and MW-8 through MW-12 are defined as downgradient or detection groundwater monitoring wells for the CCSWDC detection monitoring system.

Further, this report includes surface water monitoring data collected in August 1994, September 1997, February 1998, September 1998, April 1999 and November 1999. Surface water monitoring stations B1 and B2 are defined as upgradient points and B3, B4R, B5, and B6 are defined as downgradient points. Supplemental surface water stations exist for B-1, B-5, and B-6. The supplemental surface water monitoring stations points are sampled when water levels rise above the primary gauge elevations. These surface water monitoring stations data levels are denoted as B-1a, B-1b, B-5a, B-5b, B-6a, and B-6b. Surface water station B7 is located in the Prairie System Wetlands.

Groundwater Sampling Parameters	Surface Water Sampling Parameters
Total Ammonia (as N)	Unionized Ammonia
Chloride	Total Hardness
Iron	Biochemical Oxygen Demand (BOD)
Mercury	Copper
Nitrate	Iron
Sodium	Mercury
Total Dissolved Solids (TDS)	Nitrate
Parameters listed in 40 CFR Part 258, Appendix I	Zinc
	Total Dissolved Solids (TDS)
	Total Organic Carbon (TOC)
	Fecal Coliform
	Total Phosphates
	Chlorophyll A
	Total Nitrogen
	Chemical Oxygen Demand (COD)
	Total Suspended Solids (TSS)
	Parameters listed in 40 CFR Part 258, Appendix I

Table No. 1-2
Sarasota County
CCSWDC Monitoring Permit Parameters

1.2.1 Sampling Methodology

Florida Department of Environmental Protection Certified CompQAP laboratories and field personnel conduct groundwater and surface water field sampling and laboratory analyses.

1.2.2 Groundwater and Surface Water Analytical Data

Laboratory analytical results for groundwater samples and surface water samples are presented in Appendix A. Parameters higher than the established Maximum Contaminant Limit (MCL) or Guidance Concentration (GC) are included. The MCLs are defined in the Florida Drinking Water Quality Standards (Rule 62-520.420 (1)). The GCs are defined in the FDEP Groundwater Guidance Concentrations dated June 1994.

1.2.3 Water Level Data

Groundwater levels measured on July 18, 1994, November 11, 1994, September 2, 1998, April 28, 1999, and November 2, 1999 are presented in **Table 1-3**. Surface water monitoring water level data is presented in **Table 1-4**. Precipitation data is collected and recorded on a daily basis at the CCSWDC site. **Table 1-5** lists the rainfall data on a monthly basis in inches from the CCSWDC unless otherwise noted.

1.3 Data Evaluation

1.3.1 Groundwater Flow

Hydrogeologic investigations of CCSWDC performed in support of the permit application indicated the direction of groundwater movement in the surficial aquifer beneath the site is generally to the west and southwest. Based on these data, monitoring wells MW-1, MW-2 and MW-4 are the designated background wells and MW-8, MW-9, MW-10, MW-11 and MW-12 are the designated detection wells. **Figures 1-3, 1-4, 1-5, 1-6,** and **1-7** illustrate the groundwater elevation contours for the surficial aquifer based on data from each respective sampling event. Figures 1-3 and 1-4, generated from the 1994 sampling events, include data from each monitor well location (MW-1 through MW-12). Evaluation of the water level data indicates that the direction of groundwater movement is generally to the south and west. Water level data indicated a northerly flow direction during the April 1999 event. This variation in the direction of groundwater movement is likely associated with the near drought conditions experienced in the late winter and spring of 1999. MW-9 water level data is suspect to potential inaccuracies due to top of casing survey elevation error. Recent field survey indicates elevation records have a 3-foot discrepancy. Contour data has been prepared based on other detection well data. Based on the results of these evaluations, the existing detection monitoring system is sufficient to detect a potential release from the active landfill cell.

Monitor Well ID	Aquifer	Top of Casing (NGVD)	Depth to Water from TOC	Groundwater Elevation (NGVD)
July 18, 1994 (Background)				
MW-1	Surficial	24.00	4.35	19.65
MW-2	Surficial	23.38	4.12	19.26
MW-3	Surficial	23.53	3.27	20.26
MW-4	Surficial	22.82	3.85	18.97
MW-5	Surficial	22.95	4.26	18.69
MW-6	Surficial	22.83	3.28	19.55
MW-7	Surficial	22.97	3.39	19.58
MW-8	Surficial	23.69	4.29	19.40
MW-9	Surficial	22.97	4.23	18.74
MW-10	Surficial	23.29	4.81	18.48
MW-11	Surficial	22.79	4.64	18.15
MW-12	Surficial	23.25	4.82	18.43
November 11, 1994 (Background)				
MW-1	Surficial	24.00	3.70	20.30
MW-2	Surficial	23.38	3.31	20.07
MW-3	Surficial	23.53	2.89	20.64
MW-4	Surficial	22.82	2.46	20.36
MW-5	Surficial	22.95	4.29	18.66
MW-6	Surficial	22.83	3.29	19.54
MW-7	Surficial	22.97	3.31	19.66
MW-8	Surficial	23.69	3.36	20.33
MW-9	Surficial	22.97	2.82	20.15
MW-10	Surficial	23.29	3.32	19.97
MW-11	Surficial	22.79	2.50	20.29
MW-12	Surficial	23.25	3.01	20.24
September 2, 1998 (1st Semi-annual 1998)				
MW-1	Surficial	24.00	3.43	20.57
MW-2	Surficial	23.38	2.87	20.51
MW-4	Surficial	22.82	2.90	19.92
MW-8	Surficial	31.60	11.94	19.66
MW-9	Surficial	31.90	14.84	17.06
MW-10	Surficial	31.44	12.50	18.94
MW-11	Surficial	26.11	6.38	19.73
MW-12	Surficial	26.36	7.35	19.01
April 28, 1999 (1st Semi-annual 1999)				
MW-1	Surficial	24.00	7.55	16.45
MW-2	Surficial	23.38	6.25	17.13
MW-4	Surficial	22.82	6.50	16.32
MW-8	Surficial	31.60	13.40	18.20
MW-9	Surficial	31.90	16.85	15.05
MW-10	Surficial	31.44	13.43	18.01
MW-11	Surficial	26.11	8.27	17.84
MW-12	Surficial	26.36	9.39	16.97
November 2, 1999 (2nd Semi-annual 1999)				
MW-1	Surficial	24.00	4.32	19.68
MW-2	Surficial	23.38	2.34	21.04
MW-4	Surficial	22.82	3.02	19.80
MW-8	Surficial	31.60	12.09	19.51
MW-9	Surficial	31.90	12.24	19.66
MW-10	Surficial	31.44	12.21	19.23
MW-11	Surficial	26.11	7.16	18.95
MW-12	Surficial	26.36	8.08	18.28

NGVD - National Geodetic Vertical Datum
TOC - Top of Casing

Table No. 1-3
Sarasota County
CCSWDC Monitor Well Water Level

Surface Water Monitoring Station No.	Gauge Elevation (NGVD)	Gauge Reading (Feet)	Surface Water Elevation (NGVD)
April 17,1997			
B-1a	13.01	2.3	10.71
B-1b	19	D	N/A
B-2	22.5	D	N/A
B-3	17.2	D	N/A
B-4R	18.45	D	N/A
B-5a	12.8	2.1	10.7
B-5b	18.82	D	N/A
B-6a	14.62	5.6	9.02
B-6b	20.62	D	N/A
B-7	21.72	D	N/A
July 24, 1997			
B-1a	13.01	2.4	10.61
B-1b	19	0	19
B-2	22.5	5.1	17.4
B-3	17.2	D	N/A
B-4R	18.45	D	N/A
B-5a	12.8	3.2	9.6
B-5b	18.82	D	N/A
B-6a	14.62	D	N/A
B-6b	20.62	D	N/A
B-7	21.72	3.4	18.32
September 10, 1998			
B-1a	13.01	5.1	7.91
B-2	22.5	4.3	18.2
B-3	20.14	5	15.14
B-4R	23.99	2.8	21.19
B-5a	12.8	5	7.8
B-6a	20.36	6	14.36
B-7	21.72	3	18.72
April 27, 1999			
B1	13.01	2.10	10.91
B-2	22.50	D	N/A
B-3	20.14	D	N/A
B-4R	23.99	D	N/A
B5	12.80	2.00	10.80
B6	20.36	D	N/A
B7	21.72	D	N/A
November 16,1999			
B1	13.01	5.70	7.31
B-2	22.50	D	N/A
B-3	20.14	4.10	16.04
B-4R	23.99	3.00	20.99
B5	12.80	5.80	7.00
B6	14.62	4.60	10.02
B7	21.72	3.10	18.62

NGVD - National Geodetic Vertical Datum
D - Dry
N/A - Not Applicable

Table No. 1-4
Sarasota County
CCSWDC Surface Water Details

Year	Jan. (inches)	Feb. (inches)	Mar. (inches)	Apr. (inches)	May (inches)	June (inches)	July (inches)	Aug (inches)	Sept. (inches)	Oct. (inches)	Nov. (inches)	Dec. (inches)	Annual (inches)
1994	3.0	0.3	1.8	2.5	0.2	7.1	7.9	11.6	13.5	3.9	0.8	2.1	54.8
1998	2.1	5.0	10.6	0.2*	0.9	1.2	10.89*	9.43*	10.68*	2.2*	4.2*	0.96*	58.4
1999	4.0	0.1	1.7	0.2	1.7	9.6	5.0	10.5	6.0	4.3	0.8	2.2	46.1
Average	2.6	2.7	6.2	1.0	0.5	4.2	7.9	10.5	10.1	3.5	1.9	1.8	53.1

* Source - Myakka River State Park Station (CCSWDC data unavailable)

Table No. 1-5
Sarasota County
CCSWDC Rainfall Data
1-8

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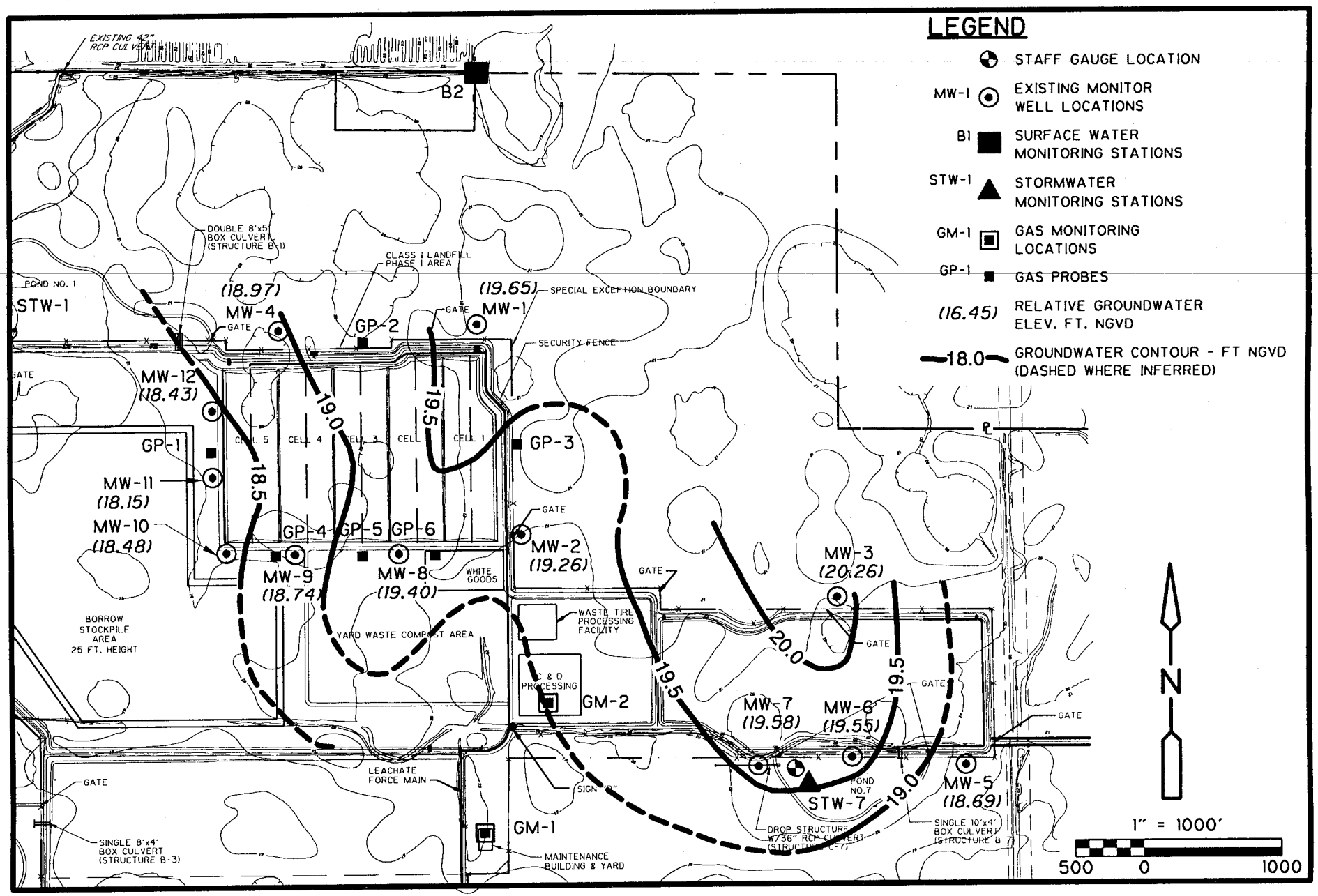

Figure No. 1-3
Sarasota County
Central County Solid Waste Disposal Complex - Site Plan North
Groundwater Elev. Contours - Surficial Aquifer - 7/18/94

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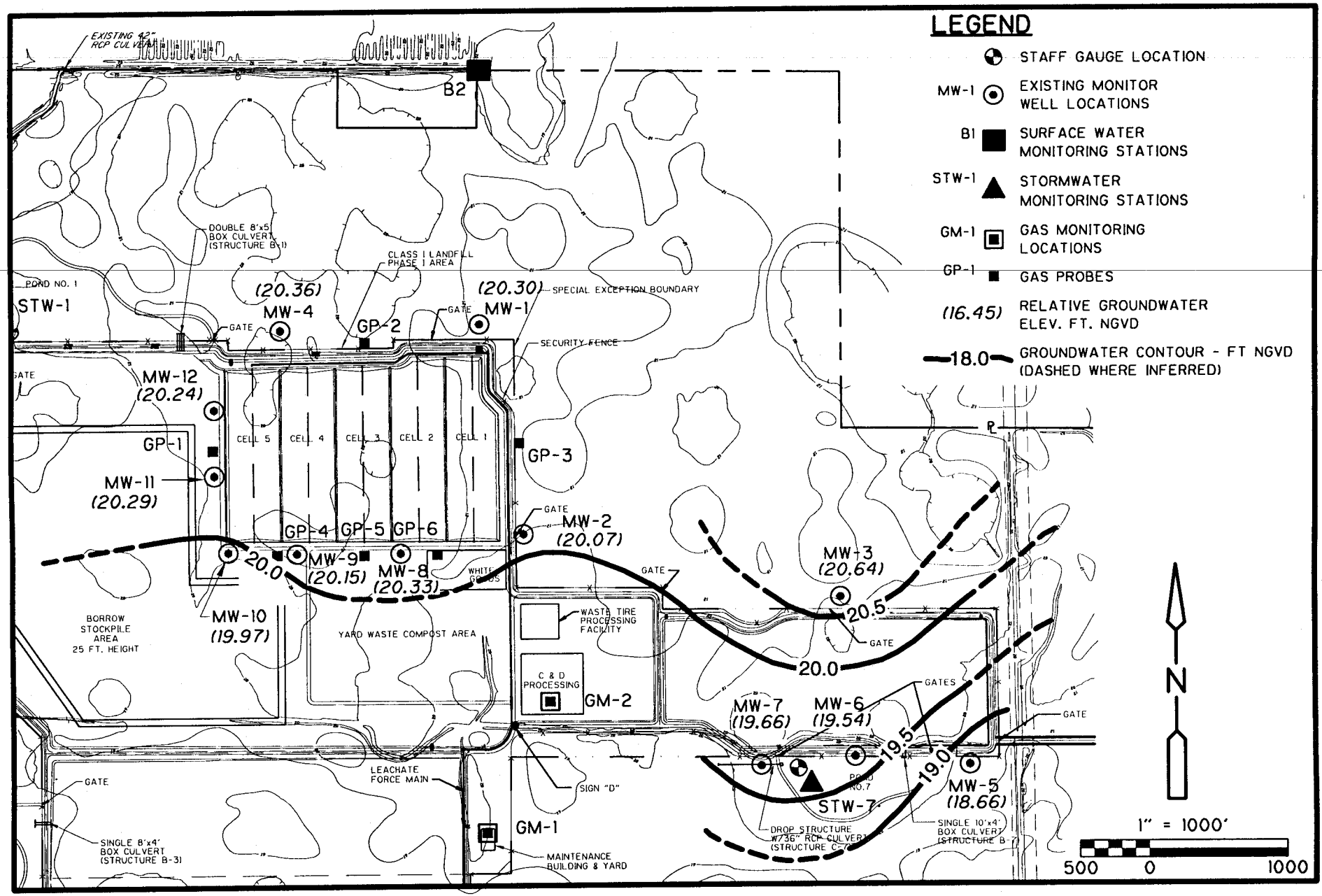

Figure No. 1-4
Sarasota County
Central County Solid Waste Disposal Complex - Site Plan North
Groundwater Elev. Contours - Surficial Aquifer - 11/11/94

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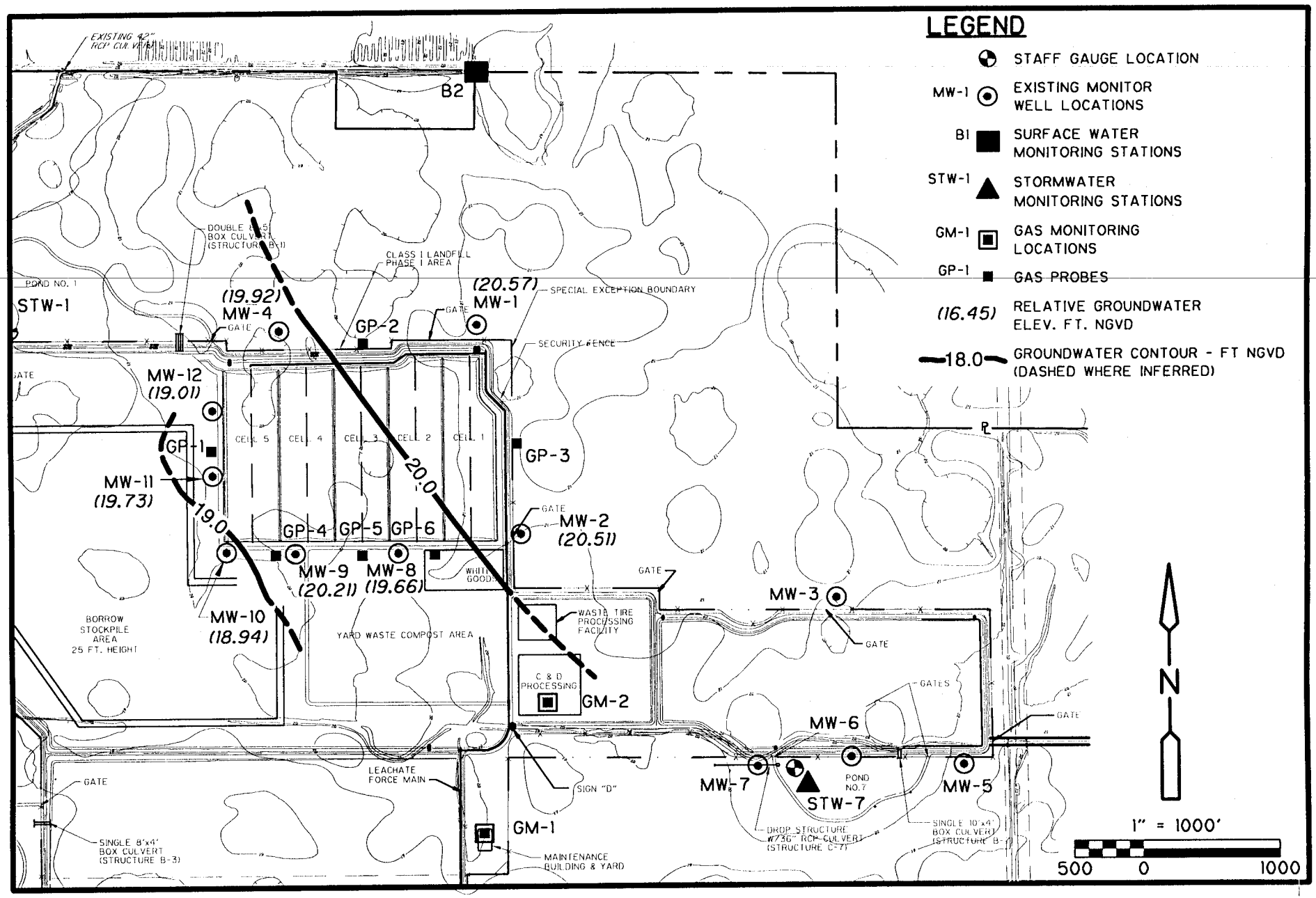

Figure No. 1-5
Sarasota County
Central County Solid Waste Disposal Complex - Site Plan North
Groundwater Elev. Contours - Surficial Aquifer - 9/2/98

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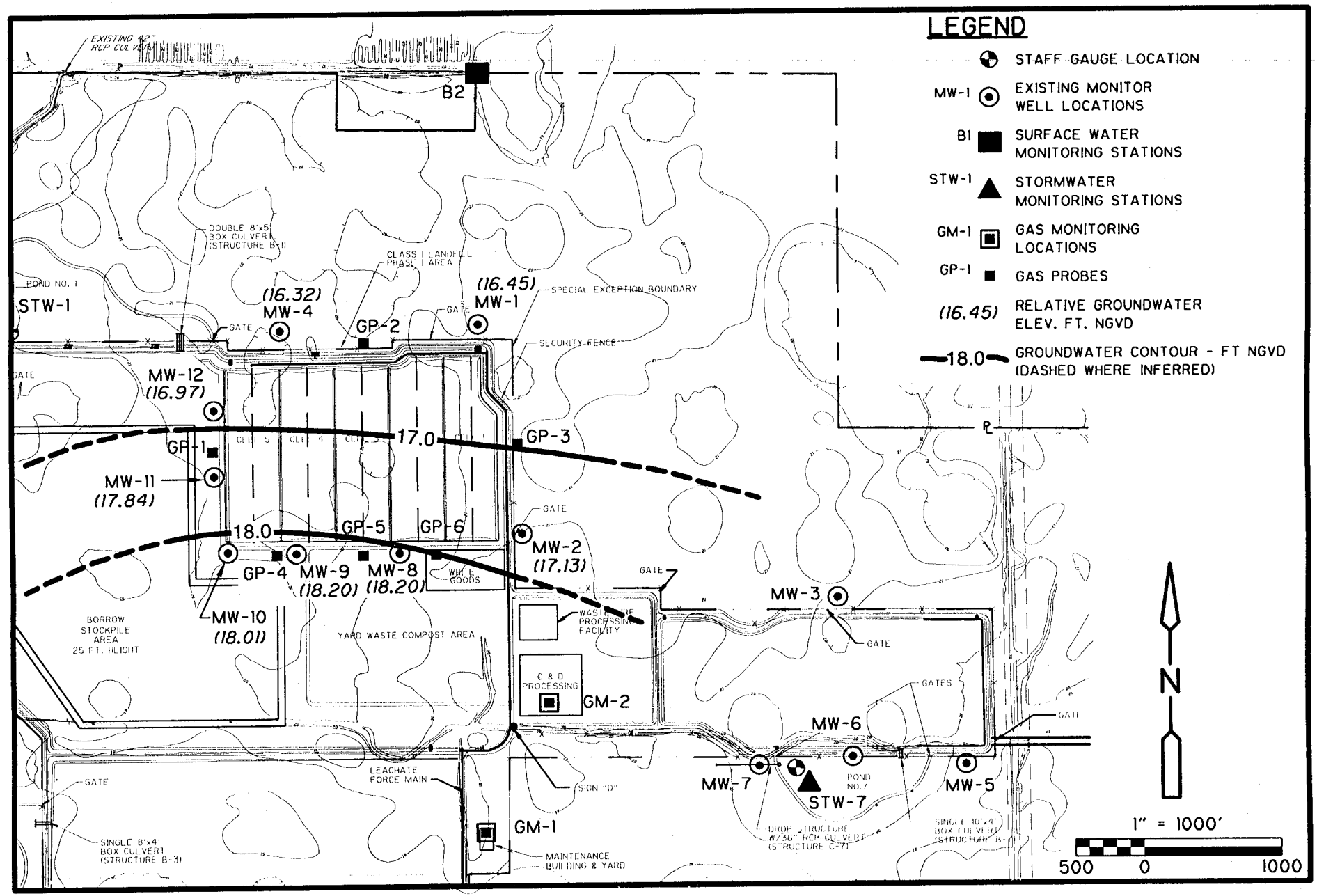

Figure No. 1-6
Sarasota County
Central County Solid Waste Disposal Complex - Site Plan North
Groundwater Elev. Contours - Surficial Aquifer - 4/28/99

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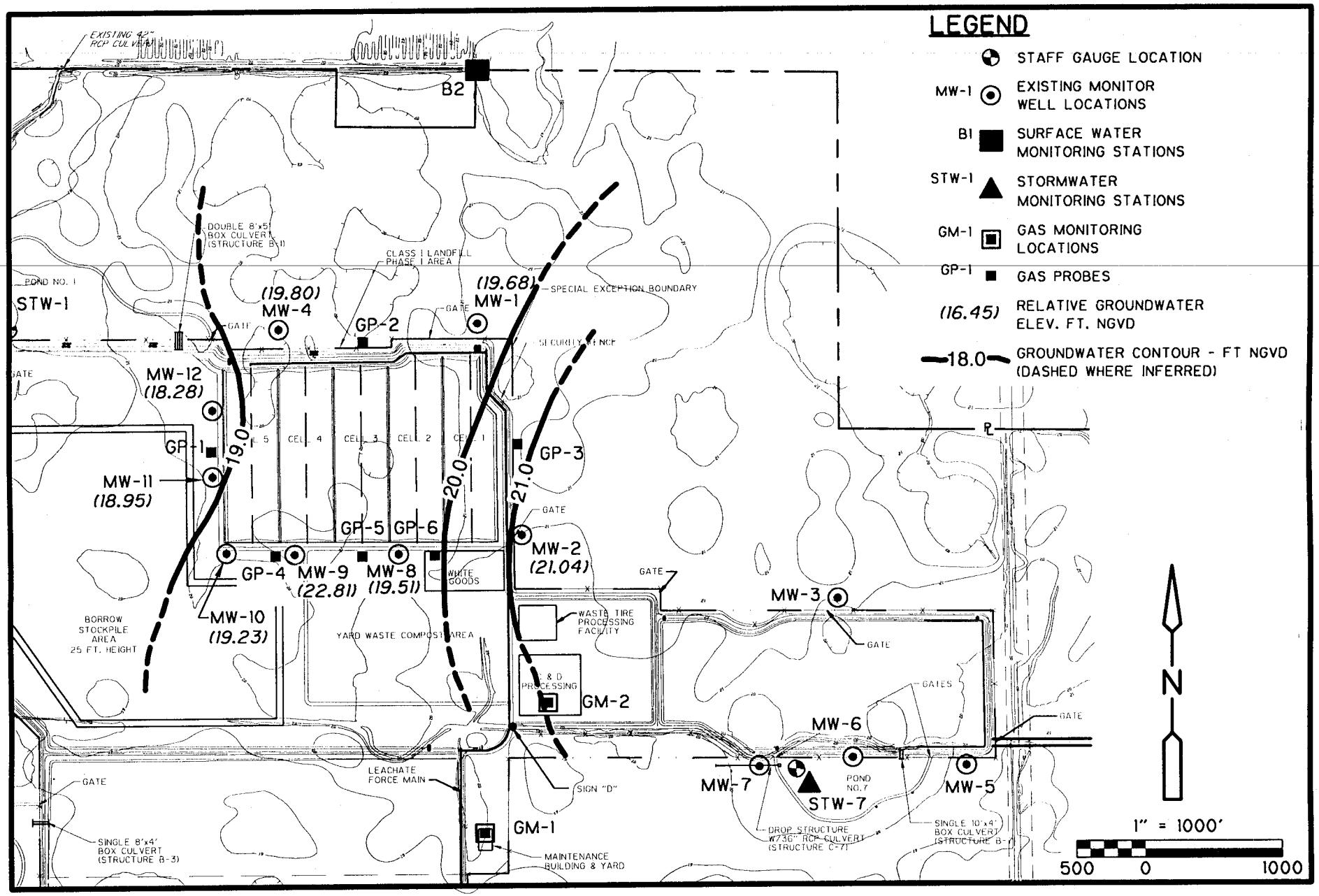

Figure No. 1-7
Sarasota County
Central County Solid Waste Disposal Complex - Site Plan North
Groundwater Elev. Contours - Surficial Aquifer - 11/2/99

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1.3.2 Hydrographs

The groundwater elevations from monitor wells constructed in the surficial aquifer and the rainfall data were plotted over time. Groundwater elevations collected during the specified monitoring events were compared to the monthly rainfall data of that year. Hydrographs for the groundwater monitoring wells are presented in Appendix B.

Groundwater elevations compared to the rainfall data reflect seasonal trends of lower elevations during the dry periods and higher elevations during the wet season. Lower groundwater elevations were recorded during the April 1999 event.

1.3.3 Water Quality

In several of the parameters analysis shown in Appendix A, the results were above the defined MCL or GC. Some of this data reflects detection due to the standard analytical method used for the analyses of a given parameter. The method's detection limit is higher then the MCL or GC, thus, detected parameters do not necessarily indicate an exceedance of the MCL or GC. In cases such as this, the results are not reported as an exceedance of MCLs or GCs. A summary of detected exceedances for the groundwater wells and surface water monitoring stations for each sampling event are detailed in **Table 1-6**. Trend analyses of the parameters exceeding the MCL or showing a possible trend for each detection well are presented graphically in Appendix C. The average upgradient concentration for the respective parameter is presented for reference.

Detailed evaluation of the water quality data is limited to those parameters with concentrations exceeding MCLs or showing a trend of increasing concentrations in samples collected after operations at the landfill were initiated. Data were evaluated in order to identify potential causes for the exceedances. This information is used to compare the possible effects of existing exceedances with respect to identifying a potential release.

Iron, total dissolved solids (TDS), and dissolved chlorides were the parameters detected in concentrations exceeding MCLs in samples collected from the background wells (MW-1, MW-2 and MW-4). These parameters are secondary standards and tend to occur naturally. Ambient concentrations of these parameters in the surficial aquifer often exceed MCLs.

The concentrations of TDS and chloride were detected at higher concentrations in MW-1. The cause for the high salinity in this well location is unknown. However, the highest concentrations were measured in samples collected prior to operation of the landfill. The concentrations have been decreasing since the operation of the landfill, therefore, the observed levels are considered as naturally occurring.

Parameters Exceeding Water Quality Standards

WellNo		ANTIMONY (Total)	ARSENIC (Total)	BERYLLIUM (Total)	Cadmium	CHLORIDE	Chloromethane
	MCL	6	50	4	5	250	
		ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
B-1							
	9/10/97						4
	2/10/98						3
B-2							
	9/10/97	10.3					4
B-3							
	2/10/98						3
B-5							
	2/10/98						3.4
B-6							
	2/10/98						3.2
B-7							
	9/10/97						8
MW-1							
	7/24/94			14		1200	
	11/15/94					1100	
	9/2/98					713	
	4/28/99					670	
	11/10/99					550	
MW-2							
	11/15/94					270	
MW-6							
	7/24/94					290	
	11/15/94					300	

WellNo		ANTIMONY (Total)	ARSENIC (Total)	BERYLLIUM (Total)	Cadmium	CHLORIDE	Chloromethane
	MCL	6	50	4	5	250	
		ug/L	ug/L	ug/L	ug/L	mg/L	ug/L
MW-8	4/29/99	8.3			6.5		
MW-9							
	7/24/94			7.1		340	
	11/15/94					340	
	9/9/98		63				
	4/29/99		56				
	11/2/99		66				

WellNo	IRON (Total)	LEAD (Total)	NICKEL (Total)	SODIUM (Total)	Total Dissolved Solids
MCL	3	15	100	160	500
	mg/L	ug/L	ug/L	mg/L	mg/L
B-1					
9/10/97					545
9/1/98	3.24				
4/27/99					1100
11/3/99					880
B-5					
9/1/98	3.7				
MW-1					
7/24/94				730	3200
11/15/94	4			570	2800
9/2/98	4.33			443	1930
4/28/99					1600
11/10/99					1600
11/11/99				440	
MW-10					
7/24/94	14				680
11/15/94	16				670
9/9/98	26.6				678
4/29/99	17				610
11/9/99	35				660
MW-11					
7/24/94	12				520
11/15/94	13				
9/9/98	3.33				

WellNo		IRON (Total)	LEAD (Total)	NICKEL (Total)	SODIUM (Total)	Total Dissolved Solids
	MCL	3 mg/L	15 ug/L	100 ug/L	160 mg/L	500 mg/L
MW-12	7/24/94	18				760
	11/15/94	18				730
	9/9/98	4.67				
	11/2/99	4.9				
MW-2						
	7/24/94					780
	11/15/94				200	1100
	4/28/99	4.7				550
	11/11/99	7.9				
MW-3						
	7/24/94	7.4				
	11/15/94	10				
MW-4						
	11/15/94	4				
MW-5						
	7/24/94	16				580
	11/15/94	15				580
MW-6						
	7/24/94	41				830
	11/15/94	36				840
MW-7						
	7/24/94	26				
	11/15/94	26				
MW-8						
	7/24/94	5.4				
	11/15/94	15				
	9/2/98	35.4				684
	4/29/99	22				550
	11/2/99	21				600

WellNo		IRON (Total)	LEAD (Total)	NICKEL (Total)	SODIUM (Total)	Total Dissolved Solids
	MCL	3	15	100	160	500
		mg/L	ug/L	ug/L	mg/L	mg/L
MW-9	7/24/94			112		1400
	11/15/94					1200
	9/9/98	50.5				1250
	4/29/99	46	18			1200
	11/2/99	44				1000

Iron, total dissolved solids (TDS), and dissolved chlorides have also been detected in levels exceeding MCLs in samples from the detection wells. Concentrations of TDS and chlorides detected in samples from the detection wells are similar to background and historical concentrations. They have not changed significantly during the monitoring period.

The concentrations of iron in samples from detection wells MW-11 and MW-12 are less than background and historical concentrations. However, iron concentrations in samples collected from wells MW-8, MW-9 and MW-10 in 1998 and 1999 are higher in comparison to the historical and background iron concentrations. Arsenic concentrations in MW-9 collected in 1998 and 1999 slightly exceed the MCL. Cadmium and antimony concentrations in MW-8 during the April 1999 sampling event exceed the respective MCLs.

The increased concentrations of iron detected in samples collected from wells MW-8, MW-9 and MW-10, the increase in arsenic concentrations of MW-9, and the detected cadmium and antimony in MW-8 for April 1999 are likely associated with turbidity. Fill was added to the southern part of the landfill during construction in order for the base of the landfill to slope from south to north. Casings for wells MW-8, MW-9 and MW-10 were extended upward approximately eight (8) feet, therefore, increasing the depth to water in these wells. As a result, purging the wells has become more difficult in addition the wells usually are purged dry. Samples collected from low-flow wells that are not fully developed and/or completely purged prior to sampling are frequently turbid. Metals, which tend to adhere to fine-grained sediments and organic matter, are typically detected in higher concentrations in turbid samples.

Ammonia nitrogen concentrations in Detection Wells MW-8 through MW-12 have increased above background levels. Evaluation of the data indicates that this trend may have begun prior to landfill operation. Other indicating parameters of a release, such as increasing TDS and specific conductance are not noted. Although the reason for an increase in ammonia nitrogen has not been determined, it is not attributed to a release from the landfill. The increase in ammonia nitrogen may be from the fertilizers applied to establish grass. Further, the area stockpile has some top soil that can contribute to organic loads.

1.4 Conclusions and Recommendations

The following conclusions are based on the evaluations of water level and water quality data previously discussed:

- The direction of groundwater movement beneath the site in the surficial aquifer is generally to the south and west. The reversal of the gradient in the spring of 1999 is attributed to the near drought conditions experienced in the late winter and spring of 1999.

- Background monitoring wells MW-1, MW-2 and MW-4 are properly located to monitor ambient water quality in the surficial aquifer.

- Detection monitoring wells MW-8, MW-9, MW-10, MW-11 and MW-12 are properly located to detect a potential release from the landfill.

- Total dissolved solids (TDS), sodium, and dissolved chlorides have exceeded MCLs in samples from both background and detection wells prior to and during operation of the landfill. Concentrations of these parameters are considered to be ambient.

- Concentrations of iron have exceeded the MCL in samples from both background and detection wells prior to and during operation of the landfill. Concentrations of iron in samples from background wells and detection wells MW-11 and MW-12 are not unusual for the surficial aquifer and are considered to be ambient.

- Concentrations of iron in samples collected from wells MW-8, MW-9 and MW-10 exceed expected ambient concentrations. The concentrations of arsenic in the samples from well MW-9 collected in 1998 and 1999 are also higher than expected ambient concentrations. Cadmium and antimony concentrations in MW-8 during the April 1999 event are higher than the expected ambient concentrations. Elevated concentrations of metals in samples from wells MW-8, MW-9 and MW-10 are attributed to turbidity in the samples resulting from incomplete development and purging of the wells.

- Ammonia nitrogen concentrations in the detection wells have increased above background levels. Because this trend may have begun prior to landfill operations and other indicators of a release are not noted, the increase in ammonia nitrogen is not considered as evidence of a possible release.

- Concentrations of parameters exceeding MCLs and/or expected ambient concentrations are not indicative of a discharge from the landfill.

- A potential discharge from the landfill can be identified by evaluations and comparisons of analytical data from monitoring wells.

- The existing monitoring system meets requirements for detection monitoring specified in F.A.C. 62-701.510.

Currently, the analytical methods used for certain parameters are at higher detection levels than the regulated parameter MCL. Due to this, testing results reflect exceedances to the MCLs that may not be accurate. It is recommended to incorporate into the monitoring report forms and operating permit the desired FDEP approved Method Detection Limit (MDL) and Practical Quantification Limit (PQL). This would clarify for the testing laboratory the proper standard testing method.

MW-9 appears to have an incorrect surveyed elevation. It is recommended the monitoring well system be re-surveyed to ensure accuracy of existing data.

The County is re-evaluating the sampling protocols and procedures in making efforts to obtain clear samples for analysis. It is recommended the production capacity of the detection monitoring wells be re-evaluated during testing through the year 2000. If problems with turbidity continue to exist, it is recommended that the detection wells be redeveloped. This recommendation specifically applies to MW-8, MW-9, and MW-10.

Section No.

Section Title

Station MW-1

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-1								
July 1994								
610	AMMONIA NITROGEN (as N)		0.12	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.002	mg/L	200	200	200	ug/L
929	SODIUM (Total)		730	mg/L	160	160	0.113	mg/L
940	CHLORIDE		1200	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.003	mg/L	50	50	0.5	ug/L
1012	BERYLLIUM (Total)		0.014	mg/L	4	4	0.5	ug/L
1034	CHROMIUM (Total)		0.001	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		2.7	mg/L	3	3	0.05	ug/L
1067	NICKEL (Total)		0.005	mg/L	100	100	0.5	ug/L
1102	Tin		0.22	mg/L		4200	100	ug/L
70300	Total Dissolved Solids		3200	mg/L	500	500	5	mg/L
78875	Sulfide		0.33	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		23.8	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		3996	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		4600	umhos/cm			0.1	umhos/cm
400	pH (Field)		6.66	pH Units			0.01	pH Units
406	pH In Field		6.83	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.5	mg/L as N			0.01	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
610	AMMONIA NITROGEN (as N)		0.39	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		230	mg/L			1	mg/L
929	SODIUM (Total)		570	mg/L	160	160	0.113	mg/L
940	CHLORIDE		1100	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		4	mg/L	3	3	0.1	mg/l
70300	Total Dissolved Solids		2800	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		18.1	NTU			1	NTU
September 1998								
10	TEMPERATURE (Field)		25.9	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		246	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		1770	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		2.6	mg/l			0.05	mg/l
400	pH (Field)		6.91	pH Units			0.01	pH Units
403	pH		6.85	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.098	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		443	mg/l	160	160	0.35	mg/l
940	CHLORIDE		713	mg/l	250	250	8.4	mg/l
1002	ARSENIC (Total)		8.86	ug/l	50	50	1	ug/l
1007	BARIUM (Total)		67.7	ug/l	2000	2000	1	ug/l
1034	CHROMIUM (Total)		6.66	ug/l	100	100	1	ug/l
1037	Cobalt		1.5	ug/l			1	ug/l
1045	IRON (Total)		4.33	mg/l	3	3	0.04	mg/l
1067	NICKEL (Total)		8.4	ug/l	100	100	1	ug/l
1087	VANADIUM (Total)		32.2	ug/l		49	1	ug/l
1092	ZINC (Total)		11.5	ug/l	5000	5000	5	mg/l
70300	Total Dissolved Solids		1930	mg/l	500	500	5	mg/l
71900	Mercury		0.11	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)			NTU			1	NTU
April 1999								
10	TEMPERATURE (Field)		22.4	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		3510	umhos/cm			1	umho/cm

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
299	DISSOLVED OXYGEN (Field)		2.8	mg/L			0.1	mg/L
400	pH (Field)		7.22	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.41	mg/L as N			0.05	mg/L as N
630	NITROGEN - NO3/NO2 (NOX)		0.015	mg/L	10	10	0.01	mg/L
929	SODIUM (Total)		23	mg/L	160	160	0.5	mg/L
940	CHLORIDE		670	mg/L	250	250	5	mg/L
1002	ARSENIC (Total)		2.7	ug/L	50	50	1	ug/L
1007	BARIUM (Total)		33	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		100	ug/L	3	3	0.1	mg/l
1147	SELENIUM (Total)		23	ug/L	50	50	2	ug/L
70300	Total Dissolved Solids		1600	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		5	NTU			0.1	N.T.U.
November 1999								
10	TEMPERATURE (Field)		22.6	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		4180	umho/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		3.2	mg/L			0.1	mg/L
400	pH (Field)		7.33	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.18	mg/L as N			0.05	mg/L as N
615	NITRITE NITROGEN (as N)		0.03	mg/L	1	1	0.01	mg/L
620	NITRATE NITROGEN (as N)		0.01	mg/L	10	10	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.03	mg/L	10	10	0.01	mg/L
929	SODIUM (Total)		440	mg/L	160	160	0.5	mg/L
940	CHLORIDE		550	mg/L	250	250	2.5	mg/L
985	VANADIUM (Total)		24	ug/L		49	10	ug/L
1002	ARSENIC (Total)		5.3	ug/L	50	50	5	ug/L
1007	BARIUM (Total)		55	ug/L	2000	2000	10	ug/L
1012	BERYLLIUM (Total)		1	ug/L	4	4	1	ug/L
1027	Cadmium		1	ug/L	5	5	1	ug/L
1034	CHROMIUM (Total)		6.2	ug/L	100	100	5	ug/L
1042	COPPER (Total)		10	ug/L	1000	1000	10	ug/L
1045	IRON (Total)		1400	ug/L	3	3	0.04	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1051	LEAD (Total)		5	ug/L	15	15	5	ug/L
1059	THALLIUM (Total)		1	ug/L	2	2	1	ug/L
1067	NICKEL (Total)		10	ug/L	100	100	10	ug/L
1077	SILVER (Total)		10	ug/L	100	100	10	ug/L
1092	ZINC (Total)		56	ug/L	5000	5000	20	ug/L
1097	ANTIMONY (Total)		5	ug/L	6	6	5	ug/L
1147	SELENIUM (Total)		5	ug/L	50	50	5	ug/L
1370	COBALT (Total)		50	ug/L			50	ug/L
32101	Bromodichloromethane		0.5	ug/L		0.6	0.5	ug/L
32102	Carbon tetrachloride		0.5	ug/L	3	3	0.5	ug/L
32104	Bromoform		0.5	ug/L		4	0.5	ug/L
32105	Dibromochloromethane		0.5	ug/L		1	0.5	ug/L
32106	Chloroform		0.5	ug/L		6	0.5	ug/L
34010	Toluene		0.5	ug/L	1000	1000	0.5	ug/L
34215	Acrylonitrile		8	ug/L	8	8	8	ug/L
34301	Chlorobenzene		0.5	ug/L	100	100	0.5	ug/L
34311	Chloroethane		0.5	ug/L		140	0.5	ug/L
34369	Ethylene dibromide		0.02	ug/L			0.02	ug/L
34371	Ethylbenzene		0.5	ug/L	700	700	0.5	ug/L
34413	Bromomethane		0.5	ug/L		10	0.5	ug/L
34418	Chloromethane		0.5	ug/L		2.7	0.5	ug/L
34423	Methylene chloride		0.5	ug/L	5	5	0.5	ug/L
34475	Tetrachloroethene		0.5	ug/L	3	3	0.5	ug/L
34488	Trichlorofluoromethane		0.5	ug/L		2100	0.5	ug/L
34496	1,1-DICHLOROETHANE		0.5	ug/L		700	0.5	ug/L
34501	1,1-DICHLOROETHENE		0.5	ug/L	7	7	0.5	ug/L
34506	1,1,1-TRICHLOROETHANE		0.5	ug/L	200	200	0.5	ug/L
34511	1,1,2-TRICHLOROETHANE		0.5	ug/L	5	5	0.5	ug/L
34516	1,1,2,2-TETRACHLOROETHANE		0.5	ug/L		0.2	0.5	ug/L
34531	1,2-DICHLOROETHANE		0.5	ug/L	3	3	0.5	ug/L
34536	1,2-DICHLOROBENZENE		0.5	ug/L	600	600	0.5	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
34541	1,2-DICHLOROPROPANE		0.5	ug/L	5	5	0.5	ug/L
34546	trans-1,2-Dichloroethene		0.5	ug/L	100	100	0.5	ug/L
34571	1,4-DICHLOROBENZENE		0.5	ug/L	75	75	0.5	ug/L
34699	trans-1,3-Dichloropropene		0.5	ug/L		1	0.5	ug/L
34704	cis-1,3-Dichloropropene		0.5	ug/L		1	0.5	ug/L
37860	1,2-DIBROMO-3-CHLOROPROPANE		0.02	ug/L	0.2	0.2	0.02	ug/L
39175	VINYL CHLORIDE		0.5	ug/L	1	1	0.5	ug/L
39180	Trichloroethene		0.5	ug/L	3	3	0.5	ug/L
46361	Dibromomethane		0.5	ug/L			0.5	ug/L
70300	Total Dissolved Solids		1600	mg/L	500	500	5	mg/L
71900	Mercury		0.2	ug/L	2	2	0.2	ug/L
73085	Bromochloromethane		0.5	ug/L			0.5	ug/L
77041	Carbon Disulfide		0.5	ug/L		700	0.5	ug/L
77057	Vinyl acetate		2	ug/L		250	2	ug/L
77093	cis-1,2-Dichloroethene		0.5	ug/L	70	70	0.5	ug/L
77103	METHYL BUTYL KETONE (MBK)		1	ug/L			1	ug/L
77128	Styrene		0.5	ug/L	100	100	0.5	ug/L
77268	trans-1,4-Dichloro-2-butene		10	ug/L			10	ug/L
77424	IODOMETHANE		2	ug/L			2	ug/L
77443	1,2,3-TRICHLOROPROPANE		0.5	ug/L		42	0.5	ug/L
77562	1,1,1,2-TETRACHLOROETHANE		0.5	ug/L		1	0.5	ug/L
78124	Benzene		0.5	ug/L	1	1	0.5	ug/L
81551	XYLENES (Total)		0.5	ug/L	10000	10000	0.5	ug/L
81552	Acetone		10	ug/L		700	10	ug/L
81595	METHYL ETHYL KETONE (MEK)		1	ug/L		4200	1	ug/L
81596	METHYL ISOBUTYL KETONE (MIBK)		1	ug/L	350	350	1	ug/L
82078	TURBIDITY (Field)		17.4	NTU			0.1	NTU

Station MW-2

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-2								
July 1994								
610	AMMONIA NITROGEN (as N)		0.12	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.002	mg/L	200	200	200	ug/L
929	SODIUM (Total)		110	mg/L	160	160	0.113	mg/L
940	CHLORIDE		96	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.003	mg/L	50	50	0.5	ug/L
1034	CHROMIUM (Total)		0.0008	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		0.38	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.012	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.006	mg/L	100	100	0.5	ug/L
1102	Tin		0.045	mg/L		4200	100	ug/L
70300	Total Dissolved Solids		780	mg/L	500	500	5	mg/L
November 1994								
10	TEMPERATURE (Field)		24.4	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		1701	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		1800	umhos/cm			0.1	umhos/cm
400	pH (Field)		7	pH Units			0.01	pH Units
406	pH In Field		6.97	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.17	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		43	mg/L			1	mg/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
929	SODIUM (Total)		200	mg/L	160	160	0.113	mg/L
940	CHLORIDE		270	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		2	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		1100	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		70.5	NTU			1	NTU
September 1998								
10	TEMPERATURE (Field)		26.8	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		579	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		717	umhos/cm			0.1	umhos/cm
299	DISSOLVED OXYGEN (Field)		3.9	mg/l			0.05	mg/l
400	pH (Field)		6.91	pH Units			0.01	pH Units
403	pH		6.81	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.151	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		54.5	mg/l	160	160	0.35	mg/l
940	CHLORIDE		74.3	mg/l	250	250	1.6	mg/l
1002	ARSENIC (Total)		8.05	ug/l	50	50	1	ug/l
1007	BARIUM (Total)		30.5	ug/l	2000	2000	1	ug/l
1034	CHROMIUM (Total)		1.11	ug/l	100	100	1	ug/l
1045	IRON (Total)		1.79	mg/l	3	3	0.04	mg/l
1067	NICKEL (Total)		5.87	ug/l	100	100	1	ug/l
1087	VANADIUM (Total)		9.47	ug/l		49	1	ug/l
1092	ZINC (Total)		7	ug/l	5000	5000	5	mg/l
70300	Total Dissolved Solids		431	mg/l	500	500	5	mg/l
71900	Mercury		0.12	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)			NTU			1	NTU
April 1999								
10	TEMPERATURE (Field)		21.9	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		760	umhos/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		2.5	mg/L			0.1	mg/L
400	pH (Field)		7.24	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.3	mg/L as N			0.05	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
615	NITRITE NITROGEN (as N)		0.025	mg/L	1	1	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.026	mg/L	10	10	0.01	mg/L
929	SODIUM (Total)		53	mg/L	160	160	0.5	mg/L
940	CHLORIDE		70	mg/L	250	250	5	mg/L
985	VANADIUM (Total)		14	ug/L		49	10	ug/L
1002	ARSENIC (Total)		4.2	ug/L	50	50	1	ug/L
1007	BARIUM (Total)		44	ug/L	2000	2000	10	ug/L
1034	CHROMIUM (Total)		11	ug/L	100	100	10	ug/L
1045	IRON (Total)		4700	ug/L	3	3	0.1	mg/L
1051	LEAD (Total)		13	ug/L	15	15	5	ug/L
1370	COBALT (Total)		1.3	ug/L			1	ug/L
70300	Total Dissolved Solids		550	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		11	NTU			0.1	N.T.U.
November 1999								
10	TEMPERATURE (Field)		21.8	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		712	umho/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		6.4	mg/L			0.1	mg/L
400	pH (Field)		6.83	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.23	mg/L as N			0.05	mg/L as N
615	NITRITE NITROGEN (as N)		0.01	mg/L	1	1	0.01	mg/L
620	NITRATE NITROGEN (as N)		0.01	mg/L	10	10	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.01	mg/L	10	10	0.01	mg/L
929	SODIUM (Total)		46	mg/L	160	160	0.5	mg/L
940	CHLORIDE		51	mg/L	250	250	0.5	mg/L
985	VANADIUM (Total)		10	ug/L		49	10	ug/L
1002	ARSENIC (Total)		5	ug/L	50	50	5	ug/L
1007	BARIUM (Total)		37	ug/L	2000	2000	10	ug/L
1012	BERYLLIUM (Total)		1	ug/L	4	4	1	ug/L
1027	Cadmium		1	ug/L	5	5	1	ug/L
1034	CHROMIUM (Total)		5	ug/L	100	100	5	ug/L
1042	COPPER (Total)		10	ug/L	1000	1000	10	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1045	IRON (Total)		7900	ug/L	3	3	40	ug/L
1051	LEAD (Total)		5	ug/L	15	15	5	ug/L
1059	THALLIUM (Total)		1	ug/L	2	2	1	ug/L
1067	NICKEL (Total)		10	ug/L	100	100	10	ug/L
1077	SILVER (Total)		10	ug/L	100	100	10	ug/L
1092	ZINC (Total)		20	ug/L	5000	5000	20	ug/L
1097	ANTIMONY (Total)		5	ug/L	6	6	5	ug/L
1147	SELENIUM (Total)		5	ug/L	50	50	5	ug/L
1370	COBALT (Total)		50	ug/L			50	ug/L
32101	Bromodichloromethane		0.5	ug/L		0.6	0.5	ug/L
32102	Carbon tetrachloride		0.5	ug/L	3	3	0.5	ug/L
32104	Bromoform		0.5	ug/L		4	0.5	ug/L
32105	Dibromochloromethane		0.5	ug/L		1	0.5	ug/L
32106	Chloroform		0.5	ug/L		6	0.5	ug/L
34010	Toluene		0.5	ug/L	1000	1000	0.5	ug/L
34215	Acrylonitrile		8	ug/L	8	8	8	ug/L
34301	Chlorobenzene		0.5	ug/L	100	100	0.5	ug/L
34311	Chloroethane		0.5	ug/L		140	0.5	ug/L
34369	Ethylene dibromide		0.02	ug/L			0.02	ug/L
34371	Ethylbenzene		0.5	ug/L	700	700	0.5	ug/L
34413	Bromomethane		0.5	ug/L		10	0.5	ug/L
34418	Chloromethane		0.5	ug/L		2.7	0.5	ug/L
34423	Methylene chloride		0.5	ug/L	5	5	0.5	ug/L
34475	Tetrachloroethene		0.5	ug/L	3	3	0.5	ug/L
34488	Trichlorofluoromethane		0.5	ug/L		2100	0.5	ug/L
34496	1,1-DICHLOROETHANE		0.5	ug/L		700	0.5	ug/L
34501	1,1-DICHLOROETHENE		0.5	ug/L	7	7	0.5	ug/L
34506	1,1,1-TRICHLOROETHANE		0.5	ug/L	200	200	0.5	ug/L
34511	1,1,2-TRICHLOROETHANE		0.5	ug/L	5	5	0.5	ug/L
34516	1,1,2,2-TETRACHLOROETHANE		0.5	ug/L		0.2	0.5	ug/L
34531	1,2-DICHLOROETHANE		0.5	ug/L	3	3	0.5	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
34536	1,2-DICHLOROBENZENE		0.5	ug/L	600	600	0.5	ug/L
34541	1,2-DICHLOROPROPANE		0.5	ug/L	5	5	0.5	ug/L
34546	trans-1,2-Dichloroethene		0.5	ug/L	100	100	0.5	ug/L
34571	1,4-DICHLOROBENZENE		0.5	ug/L	75	75	0.5	ug/L
34699	trans-1,3-Dichloropropene		0.5	ug/L		1	0.5	ug/L
34704	cis-1,3-Dichloropropene		0.5	ug/L		1	0.5	ug/L
37860	1,2-DIBROMO-3-CHLOROPROPANE		0.02	ug/L	0.2	0.2	0.02	ug/L
39175	VINYL CHLORIDE		0.5	ug/L	1	1	0.5	ug/L
39180	Trichloroethene		0.5	ug/L	3	3	0.5	ug/L
46361	Dibromomethane		0.5	ug/L			0.5	ug/L
70300	Total Dissolved Solids		410	mg/L	500	500	5	mg/L
71900	Mercury		0.2	ug/L	2	2	0.2	ug/L
73085	Bromochloromethane		0.5	ug/L			0.5	ug/L
77041	Carbon Disulfide		0.5	ug/L		700	0.5	ug/L
77057	Vinyl acetate		2	ug/L		250	2	ug/L
77093	cis-1,2-Dichloroethene		0.5	ug/L	70	70	0.5	ug/L
77103	METHYL BUTYL KETONE (MBK)		1	ug/L			1	ug/L
77128	Styrene		0.5	ug/L	100	100	0.5	ug/L
77268	trans-1,4-Dichloro-2-butene		10	ug/L			10	ug/L
77424	IODOMETHANE		2	ug/L			2	ug/L
77443	1,2,3-TRICHLOROPROPANE		0.5	ug/L		42	0.5	ug/L
77562	1,1,1,2-TETRACHLOROETHANE		0.5	ug/L		1	0.5	ug/L
78124	Benzene		0.5	ug/L	1	1	0.5	ug/L
81551	XYLENES (Total)		0.5	ug/L	10000	10000	0.5	ug/L
81552	Acetone		10	ug/L		700	10	ug/L
81595	METHYL ETHYL KETONE (MEK)		1	ug/L		4200	1	ug/L
81596	METHYL ISOBUTYL KETONE (MIBK)		1	ug/L	350	350	1	ug/L
82078	TURBIDITY (Field)		41.2	NTU			0.1	NTU

Section No.

Section Title

Station MW-3

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-3								
July 1994								
610	AMMONIA NITROGEN (as N)		0.35	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.001	mg/L	200	200	200	ug/L
929	SODIUM (Total)		14	mg/L	160	160	0.113	mg/L
940	CHLORIDE		16	mg/L	250	250	0.4	mg/L
1034	CHROMIUM (Total)		0.007	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		7.4	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.002	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.01	mg/L	100	100	0.5	ug/L
70300	Total Dissolved Solids		220	mg/L	500	500	5	mg/L
78875	Sulfide		0.35	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		23.9	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		205	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		210	umhos/cm			0.1	umhos/cm
400	pH (Field)		5.87	pH Units			0.01	pH Units
406	pH In Field		6.01	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		2.3	mg/L as N			0.01	mg/L as N
610	AMMONIA NITROGEN (as N)		1.8	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		50	mg/L			1	mg/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
929	SODIUM (Total)		16	mg/L	160	160	0.113	mg/L
940	CHLORIDE		16	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		10	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		280	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		21.2	NTU			1	NTU

Station MW-4

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-4								
July 1994								
610	AMMONIA NITROGEN (as N)		0.39	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.002	mg/L	200	200	200	ug/L
929	SODIUM (Total)		9.2	mg/L	160	160	0.113	mg/L
940	CHLORIDE		18	mg/L	250	250	0.4	mg/L
1034	CHROMIUM (Total)		0.027	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		2	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.001	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.004	mg/L	100	100	0.5	ug/L
70300	Total Dissolved Solids		150	mg/L	500	500	5	mg/L
78875	Sulfide		0.72	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		24.4	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		162	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		150	umhos/cm			0.1	umhos/cm
400	pH (Field)		5.41	pH Units			0.01	pH Units
406	pH In Field		5.66	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.22	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		86	mg/L			1	mg/L
929	SODIUM (Total)		23	mg/L	160	160	0.113	mg/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
940	CHLORIDE		19	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		4	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		310	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		118	NTU			1	NTU
September 1998								
10	TEMPERATURE (Field)		25.2	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		115	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		118	umhos/cm			0.1	umhos/cm
299	DISSOLVED OXYGEN (Field)		3.75	mg/l			0.05	mg/l
400	pH (Field)		6.93	pH Units			0.01	pH Units
403	pH		5.25	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.113	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		10.8	mg/l	160	160	0.35	mg/l
940	CHLORIDE		21.1	mg/l	250	250	0.8	mg/l
1002	ARSENIC (Total)		2.6	ug/l	50	50	1	ug/l
1007	BARIUM (Total)		14.2	ug/l	2000	2000	1	ug/l
1027	Cadmium		1.69	ug/l	5	5	1.5	ug/l
1034	CHROMIUM (Total)		6.57	ug/l	100	100	1	ug/l
1045	IRON (Total)		2.63	mg/l	3	3	0.04	mg/l
1067	NICKEL (Total)		2.3	ug/l	100	100	1	ug/l
1087	VANADIUM (Total)			ug/l		49	1	ug/l
1092	ZINC (Total)		11.4	ug/l	5000	5000	5	mg/l
70300	Total Dissolved Solids		105	mg/l	500	500	5	mg/l
71900	Mercury		0.12	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)			NTU			1	NTU
April 1999								
10	TEMPERATURE (Field)		21.9	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		120	umhos/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		5.3	mg/L			0.1	mg/L
400	pH (Field)		5.86	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.24	mg/L as N			0.05	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
929	SODIUM (Total)		10	mg/L	160	160	0.5	mg/L
940	CHLORIDE		21	mg/L	250	250	5	mg/L
985	VANADIUM (Total)		33	ug/L		49	10	ug/L
1007	BARIUM (Total)		20	ug/L	2000	2000	10	ug/L
1034	CHROMIUM (Total)		14	ug/L	100	100	10	ug/L
1045	IRON (Total)		1800	ug/L	3	3	0.1	mg/L
70300	Total Dissolved Solids		120	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		69	NTU			0.1	N.T.U.
November 1999								
10	TEMPERATURE (Field)		23.3	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		127	umho/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		5.4	mg/L			0.1	mg/L
610	AMMONIA NITROGEN (as N)		0.2	mg/L as N			0.05	mg/L as N
615	NITRITE NITROGEN (as N)		0.01	mg/L	1	1	0.01	mg/L
620	NITRATE NITROGEN (as N)		0.01	mg/L	10	10	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.01	mg/L	10	10	0.01	mg/L
929	SODIUM (Total)		8.4	mg/L	160	160	0.5	mg/L
940	CHLORIDE		17	mg/L	250	250	0.5	mg/L
985	VANADIUM (Total)		19	ug/L		49	10	ug/L
1002	ARSENIC (Total)		5	ug/L	50	50	5	ug/L
1007	BARIUM (Total)		16	ug/L	2000	2000	10	ug/L
1012	BERYLLIUM (Total)		1	ug/L	4	4	1	ug/L
1027	Cadmium		1	ug/L	5	5	1	ug/L
1034	CHROMIUM (Total)		8.3	ug/L	100	100	5	ug/L
1042	COPPER (Total)		10	ug/L	1000	1000	10	ug/L
1045	IRON (Total)		1800	ug/L	3	3	0.04	mg/l
1051	LEAD (Total)		5	ug/L	15	15	5	ug/L
1059	THALLIUM (Total)		1	ug/L	2	2	1	ug/L
1067	NICKEL (Total)		10	ug/L	100	100	10	ug/L
1077	SILVER (Total)		10	ug/L	100	100	10	ug/L
1092	ZINC (Total)		20	ug/L	5000	5000	20	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1097	ANTIMONY (Total)		5	ug/L	6	6	5	ug/L
1147	SELENIUM (Total)		5	ug/L	50	50	5	ug/L
1370	COBALT (Total)		50	ug/L			50	ug/L
32101	Bromodichloromethane		0.5	ug/L		0.6	0.5	ug/L
32102	Carbon tetrachloride		0.5	ug/L	3	3	0.5	ug/L
32104	Bromoform		0.5	ug/L		4	0.5	ug/L
32105	Dibromochloromethane		0.5	ug/L		1	0.5	ug/L
32106	Chloroform		0.5	ug/L		6	0.5	ug/L
34010	Toluene		0.5	ug/L	1000	1000	0.5	ug/L
34215	Acrylonitrile		8	ug/L	8	8	8	ug/L
34301	Chlorobenzene		0.5	ug/L	100	100	0.5	ug/L
34311	Chloroethane		0.5	ug/L		140	0.5	ug/L
34369	Ethylene dibromide		0.02	ug/L			0.02	ug/L
34371	Ethylbenzene		0.5	ug/L	700	700	0.5	ug/L
34413	Bromomethane		0.5	ug/L		10	0.5	ug/L
34418	Chloromethane		0.5	ug/L		2.7	0.5	ug/L
34423	Methylene chloride		0.5	ug/L	5	5	0.5	ug/L
34475	Tetrachloroethene		0.5	ug/L	3	3	0.5	ug/L
34488	Trichlorofluoromethane		0.5	ug/L		2100	0.5	ug/L
34496	1,1-DICHLOROETHANE		0.5	ug/L		700	0.5	ug/L
34501	1,1-DICHLOROETHENE		0.5	ug/L	7	7	0.5	ug/L
34506	1,1,1-TRICHLOROETHANE		0.5	ug/L	200	200	0.5	ug/L
34511	1,1,2-TRICHLOROETHANE		0.5	ug/L	5	5	0.5	ug/L
34516	1,1,2,2-TETRACHLOROETHANE		0.5	ug/L		0.2	0.5	ug/L
34531	1,2-DICHLOROETHANE		0.5	ug/L	3	3	0.5	ug/L
34536	1,2-DICHLOROBENZENE		0.5	ug/L	600	600	0.5	ug/L
34541	1,2-DICHLOROPROPANE		0.5	ug/L	5	5	0.5	ug/L
34546	trans-1,2-Dichloroethene		0.5	ug/L	100	100	0.5	ug/L
34571	1,4-DICHLOROBENZENE		0.5	ug/L	75	75	0.5	ug/L
34699	trans-1,3-Dichloropropene		0.5	ug/L		1	0.5	ug/L
34704	cis-1,3-Dichloropropene		0.5	ug/L		1	0.5	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
37860	1,2-DIBROMO-3-CHLOROPROPANE		0.02	ug/L	0.2	0.2	0.02	ug/L
39175	VINYL CHLORIDE		0.5	ug/L	1	1	0.5	ug/L
39180	Trichloroethene		0.5	ug/L	3	3	0.5	ug/L
46361	Dibromomethane		0.5	ug/L			0.5	ug/L
70300	Total Dissolved Solids		120	mg/L	500	500	5	mg/L
71900	Mercury		0.2	ug/L	2	2	0.2	ug/L
73085	Bromochloromethane		0.5	ug/L			0.5	ug/L
77041	Carbon Disulfide		0.5	ug/L		700	0.5	ug/L
77057	Vinyl acetate		2	ug/L		250	2	ug/L
77093	cis-1,2-Dichloroethene		0.5	ug/L	70	70	0.5	ug/L
77103	METHYL BUTYL KETONE (MBK)		1	ug/L			1	ug/L
77128	Styrene		0.5	ug/L	100	100	0.5	ug/L
77268	trans-1,4-Dichloro-2-butene		10	ug/L			10	ug/L
77424	IODOMETHANE		2	ug/L			2	ug/L
77443	1,2,3-TRICHLOROPROPANE		0.5	ug/L		42	0.5	ug/L
77562	1,1,1,2-TETRACHLOROETHANE		0.5	ug/L		1	0.5	ug/L
78124	Benzene		0.5	ug/L	1	1	0.5	ug/L
81551	XYLENES (Total)		0.5	ug/L	10000	10000	0.5	ug/L
81552	Acetone		10	ug/L		700	10	ug/L
81595	METHYL ETHYL KETONE (MEK)		1	ug/L		4200	1	ug/L
81596	METHYL ISOBUTYL KETONE (MIBK)		1	ug/L	350	350	1	ug/L
82078	TURBIDITY (Field)		122	NTU			0.1	NTU

Section No.

Section Title

Station MW-5

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-5								
July 1994								
610	AMMONIA NITROGEN (as N)		0.33	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.002	mg/L	200	200	200	ug/L
929	SODIUM (Total)		64	mg/L	160	160	0.113	mg/L
940	CHLORIDE		110	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.003	mg/L	50	50	0.5	ug/L
1034	CHROMIUM (Total)		0.065	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		16	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.009	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.01	mg/L	100	100	0.5	ug/L
1102	Tin		0.013	mg/L		4200	100	ug/L
70300	Total Dissolved Solids		580	mg/L	500	500	5	mg/L
78875	Sulfide		0.15	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		25.3	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		696	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		690	umhos/cm			0.1	umhos/cm
400	pH (Field)		6.32	pH Units			0.01	pH Units
406	pH In Field		6.3	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.36	mg/L as N			0.01	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
610	AMMONIA NITROGEN (as N)		0.46	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		100	mg/L			1	mg/L
929	SODIUM (Total)		73	mg/L	160	160	0.113	mg/L
940	CHLORIDE		110	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		15	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		580	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		1.2	NTU			1	NTU

Section No.

Section Title

Station MW-6

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-6								
July 1994								
610	AMMONIA NITROGEN (as N)		0.34	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.002	mg/L	200	200	200	ug/L
929	SODIUM (Total)		140	mg/L	160	160	0.113	mg/L
940	CHLORIDE		290	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.003	mg/L	50	50	0.5	ug/L
1012	BERYLLIUM (Total)		0.0009	mg/L	4	4	0.5	ug/L
1034	CHROMIUM (Total)		0.01	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		41	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.015	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.031	mg/L	100	100	0.5	ug/L
1102	Tin		0.039	mg/L		4200	100	ug/L
70300	Total Dissolved Solids		830	mg/L	500	500	5	mg/L
78875	Sulfide		0.83	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		25.6	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		1383	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		1300	umhos/cm			0.1	umhos/cm
400	pH (Field)		6.24	pH Units			0.01	pH Units
406	pH In Field		7.09	ph Units			0.01	pH Units

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
610	AMMONIA NITROGEN (as N)		0.56	mg/L as N			0.01	mg/L as N
610	AMMONIA NITROGEN (as N)		0.72	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		71	mg/L			1	mg/L
929	SODIUM (Total)		120	mg/L	160	160	0.113	mg/L
940	CHLORIDE		300	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		36	mg/L	3	3	0.05	ug/L
34506	1,1,1-TRICHLOROETHANE		0.4	ug/L	200	200	0.5	ug/L
70300	Total Dissolved Solids		840	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		52.9	NTU			1	NTU

Section No.

Section Title

Station MW-7

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-7								
July 1994								
610	AMMONIA NITROGEN (as N)		0.34	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.001	mg/L	200	200	200	ug/L
929	SODIUM (Total)		24	mg/L	160	160	0.113	mg/L
940	CHLORIDE		35	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.007	mg/L	50	50	0.5	ug/L
1012	BERYLLIUM (Total)		0.0013	mg/L	4	4	0.5	ug/L
1034	CHROMIUM (Total)		0.036	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		26	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.003	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.01	mg/L	100	100	0.5	ug/L
70300	Total Dissolved Solids		210	mg/L	500	500	5	mg/L
78875	Sulfide		0.17	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		23	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		406	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		340	umhos/cm			0.1	umhos/cm
400	pH (Field)		6.53	pH Units			0.01	pH Units
406	pH In Field		6.61	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.22	mg/L as N			0.01	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
610	AMMONIA NITROGEN (as N)		0.17	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		50	mg/L			1	mg/L
929	SODIUM (Total)		31	mg/L	160	160	0.113	mg/L
940	CHLORIDE		38	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		26	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		360	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		20.2	NTU			1	NTU

Station MW-8

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-8								
July 1994								
610	AMMONIA NITROGEN (as N)		0.33	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.001	mg/L	200	200	200	ug/L
929	SODIUM (Total)		24	mg/L	160	160	0.113	mg/L
940	CHLORIDE		37	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.013	mg/L	50	50	0.5	ug/L
1034	CHROMIUM (Total)		0.013	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		5.4	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.002	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.008	mg/L	100	100	0.5	ug/L
1102	Tin		0.009	mg/L		4200	100	ug/L
70300	Total Dissolved Solids		350	mg/L	500	500	5	mg/L
78875	Sulfide		0.19	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		23.5	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		412	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		380	umhos/cm			0.1	umhos/cm
400	pH (Field)		6.42	pH Units			0.01	pH Units
406	pH In Field		6.61	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		1.2	mg/L as N			0.01	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
610	AMMONIA NITROGEN (as N)		0.9	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		53	mg/L			1	mg/L
929	SODIUM (Total)		48	mg/L	160	160	0.113	mg/L
940	CHLORIDE		74	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		15	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		370	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		106	NTU			1	NTU
September 1998								
10	TEMPERATURE (Field)		27.5	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		1143	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		1070	umhos/cm			0.1	umhos/cm
299	DISSOLVED OXYGEN (Field)		2	mg/l			0.05	mg/l
400	pH (Field)		6.91	pH Units			0.01	pH Units
403	pH		6.48	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		2.92	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		72.9	mg/l	160	160	0.35	mg/l
940	CHLORIDE		33.5	mg/l	250	250	2.8	mg/l
1002	ARSENIC (Total)		16.1	ug/l	50	50	1	ug/l
1007	BARIUM (Total)		396	ug/l	2000	2000	1	ug/l
1034	CHROMIUM (Total)		23.8	ug/l	100	100	1	ug/l
1042	COPPER (Total)		1.78	ug/l	1000	1000	0.5	ug/l
1045	IRON (Total)		35.4	mg/l	3	3	0.04	mg/l
1067	NICKEL (Total)		11.3	ug/l	100	100	1	ug/l
1087	VANADIUM (Total)		38.2	ug/l		49	1	ug/l
1092	ZINC (Total)		26.3	ug/l	5000	5000	5	mg/l
70300	Total Dissolved Solids		684	mg/l	500	500	5	mg/l
71900	Mercury		0.3	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)			NTU			1	NTU
April 1999								
10	TEMPERATURE (Field)		25.3	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		1300	umhos/cm			1	umho/cm

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
299	DISSOLVED OXYGEN (Field)		2.3	mg/L			0.1	mg/L
400	pH (Field)		6.63	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		4	mg/L as N			0.05	mg/L as N
929	SODIUM (Total)		80	mg/L	160	160	0.5	mg/L
940	CHLORIDE		29	mg/L	250	250	0.5	mg/L
1002	ARSENIC (Total)		12	ug/L	50	50	1	ug/L
1007	BARIUM (Total)		60	ug/L	2000	2000	10	ug/L
1027	Cadmium		6.5	ug/L	5	5	1	ug/L
1045	IRON (Total)		22000	ug/L	3	3	0.025	mg/l
1051	LEAD (Total)		7.9	ug/L	15	15	5	ug/L
1097	ANTIMONY (Total)		8.3	ug/L	6	6	5	ug/L
1370	COBALT (Total)		1.2	ug/L			1	ug/L
70300	Total Dissolved Solids		550	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		122	NTU			0.1	N.T.U.
November 1999								
610	AMMONIA NITROGEN (as N)		5.3	mg/L as N			0.05	mg/L as N
929	SODIUM (Total)		76	mg/L	160	160	0.5	mg/L
940	CHLORIDE		31	mg/L	250	250	0.5	mg/L
985	VANADIUM (Total)		42	ug/L		49	10	ug/L
1002	ARSENIC (Total)		9.9	ug/L	50	50	5	ug/L
1007	BARIUM (Total)		92	ug/L	2000	2000	10	ug/L
1034	CHROMIUM (Total)		34	ug/L	100	100	5	ug/L
1045	IRON (Total)		21000	ug/L	3	3	0.025	mg/l
1051	LEAD (Total)		7.1	ug/L	15	15	5	ug/L
70300	Total Dissolved Solids		600	mg/L	500	500	5	mg/L

Section No.

Section Title

Station MW-9

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-9								
July 1994								
610	AMMONIA NITROGEN (as N)		19	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.001	mg/L	200	200	200	ug/L
929	SODIUM (Total)		160	mg/L	160	160	0.113	mg/L
940	CHLORIDE		340	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.002	mg/L	50	50	0.5	ug/L
1012	BERYLLIUM (Total)		0.0071	mg/L	4	4	0.5	ug/L
1034	CHROMIUM (Total)		0.006	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		0.1	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.007	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.112	mg/L	100	100	0.5	ug/L
1102	Tin		0.092	mg/L		4200	100	ug/L
70300	Total Dissolved Solids		1400	mg/L	500	500	5	mg/L
78875	Sulfide		0.08	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		24.3	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		1927	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		2000	umhos/cm			0.1	umhos/cm
400	pH (Field)		7.25	pH Units			0.01	pH Units
406	pH In Field		7.07	ph Units			0.01	pH Units

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
610	AMMONIA NITROGEN (as N)		0.22	mg/L as N			0.01	mg/L as N
610	AMMONIA NITROGEN (as N)		0.28	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		24	mg/L			1	mg/L
929	SODIUM (Total)		160	mg/L	160	160	0.113	mg/L
940	CHLORIDE		340	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		3	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		1200	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		16.2	NTU			1	NTU
September 1998								
10	TEMPERATURE (Field)		22.9	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		1567	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		2030	umhos/cm			0.1	umhos/cm
299	DISSOLVED OXYGEN (Field)		2.25	mg/l			0.05	mg/l
400	pH (Field)		6.62	pH Units			0.01	pH Units
403	pH		6.61	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		9.73	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		75	mg/l	160	160	0.35	mg/l
940	CHLORIDE		33.6	mg/l	250	250	0.4	mg/l
1002	ARSENIC (Total)		63	ug/l	50	50	1	ug/l
1007	BARIUM (Total)		126	ug/l	2000	2000	1	ug/l
1037	Cobalt		2.04	ug/l			1	ug/l
1045	IRON (Total)		50.5	mg/l	3	3	0.04	mg/l
1067	NICKEL (Total)		18.9	ug/l	100	100	1	ug/l
1087	VANADIUM (Total)		3.12	ug/l		49	1	ug/l
1092	ZINC (Total)		7.52	ug/l	5000	5000	5	mg/l
70300	Total Dissolved Solids		1250	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)			NTU			1	NTU
April 1999								
10	TEMPERATURE (Field)		25.5	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		2230	umhos/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		2	mg/L			0.1	mg/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
400	pH (Field)		6.86	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		10	mg/L as N			0.05	mg/L as N
929	SODIUM (Total)		80	mg/L	160	160	0.5	mg/L
940	CHLORIDE		38	mg/L	250	250	0.5	mg/L
1002	ARSENIC (Total)		56	ug/L	50	50	5	ug/L
1007	BARIUM (Total)		100	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		46000	ug/L	3	3	0.025	mg/l
1051	LEAD (Total)		18	ug/L	15	15	5	ug/L
1370	COBALT (Total)		1.7	ug/L			1	ug/L
70300	Total Dissolved Solids		1200	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		4	NTU			0.1	N.T.U.
November 1999								
610	AMMONIA NITROGEN (as N)		9.3	mg/L as N			0.05	mg/L as N
929	SODIUM (Total)		52	mg/L	160	160	0.5	mg/L
940	CHLORIDE		22	mg/L	250	250	0.5	mg/L
1002	ARSENIC (Total)		66	ug/L	50	50	5	ug/L
1007	BARIUM (Total)		100	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		44000	ug/L	3	3	0.04	mg/l
1059	THALLIUM (Total)		1.2	ug/L	2	2	1	ug/L
70300	Total Dissolved Solids		1000	mg/L	500	500	5	mg/L

Station MW-10

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-10								
July 1994								
610	AMMONIA NITROGEN (as N)		0.18	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.001	mg/L	200	200	200	ug/L
929	SODIUM (Total)		68	mg/L	160	160	0.113	mg/L
929	SODIUM (Total)		66	mg/L	160	160	0.113	mg/L
940	CHLORIDE		110	mg/L	250	250	0.4	mg/L
940	CHLORIDE		120	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.005	mg/L	50	50	0.5	ug/L
1002	ARSENIC (Total)		0.005	mg/L	50	50	0.5	ug/L
1012	BERYLLIUM (Total)		0.0016	mg/L	4	4	0.5	ug/L
1012	BERYLLIUM (Total)		0.0021	mg/L	4	4	0.5	ug/L
1034	CHROMIUM (Total)		0.015	mg/L	100	100	0.5	ug/L
1034	CHROMIUM (Total)		0.015	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		14	mg/L	3	3	0.05	ug/L
1045	IRON (Total)		14	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.006	mg/L	15	15	0.5	ug/L
1051	LEAD (Total)		0.011	mg/L	15	15	0.5	ug/L
1059	THALLIUM (Total)		0.0016	mg/L	2	2	0.5	ug/L
1067	NICKEL (Total)		0.075	mg/L	100	100	0.5	ug/L
1067	NICKEL (Total)		0.076	mg/L	100	100	0.5	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1102	Tin		0.022	mg/L		4200	100	ug/L
70300	Total Dissolved Solids		680	mg/L	500	500	5	mg/L
70300	Total Dissolved Solids		680	mg/L	500	500	5	mg/L
78875	Sulfide		0.25	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		23.6	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		823	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		870	umhos/cm			0.1	umhos/cm
400	pH (Field)		6.77	pH Units			0.01	pH Units
406	pH In Field		6.69	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.59	mg/L as N			0.01	mg/L as N
610	AMMONIA NITROGEN (as N)		0.76	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		68	mg/L			1	mg/L
929	SODIUM (Total)		82	mg/L	160	160	0.113	mg/L
940	CHLORIDE		110	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		16	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		670	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		20.4	NTU			1	NTU
September 1998								
10	TEMPERATURE (Field)		22.9	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		1148	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		1070	umhos/cm			0.1	umhos/cm
299	DISSOLVED OXYGEN (Field)		2.3	mg/l			0.05	mg/l
400	pH (Field)		6.34	pH Units			0.01	pH Units
403	pH		6.46	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		3.21	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		80.9	mg/l	160	160	0.35	mg/l
940	CHLORIDE		107	mg/l	250	250	2.8	mg/l
1002	ARSENIC (Total)		8.01	ug/l	50	50	1	ug/l
1007	BARIUM (Total)		66.3	ug/l	2000	2000	1	ug/l
1034	CHROMIUM (Total)		2.05	ug/l	100	100	1	ug/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1037	Cobalt		1.38	ug/l			1	ug/l
1045	IRON (Total)		26.6	mg/l	3	3	0.04	mg/l
1067	NICKEL (Total)		7.5	ug/l	100	100	1	ug/l
1087	VANADIUM (Total)		14.9	ug/l		49	1	ug/l
1092	ZINC (Total)		7.17	ug/l	5000	5000	5	mg/l
70300	Total Dissolved Solids		678	mg/l	500	500	5	mg/l
71900	Mercury		0.12	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)			NTU			1	NTU
April 1999								
10	TEMPERATURE (Field)		23.9	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		1300	umhos/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		1.9	mg/L			0.1	mg/L
400	pH (Field)		6.68	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		5.3	mg/L as N			0.05	mg/L as N
929	SODIUM (Total)		89	mg/L	160	160	0.5	mg/L
940	CHLORIDE		94	mg/L	250	250	0.5	mg/L
1002	ARSENIC (Total)		3	ug/L	50	50	1	ug/L
1007	BARIUM (Total)		48	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		17000	ug/L	3	3	0.025	mg/l
1051	LEAD (Total)		7.7	ug/L	15	15	5	ug/L
1370	COBALT (Total)		1.7	ug/L			1	ug/L
70300	Total Dissolved Solids		610	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		4	NTU			0.1	N.T.U.
November 1999								
10	TEMPERATURE (Field)		24.1	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		1310	umho/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		2.4	mg/L			0.1	mg/L
400	pH (Field)		6.88	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		5.8	mg/L as N			0.05	mg/L as N
615	NITRITE NITROGEN (as N)		0.01	mg/L	1	1	0.01	mg/L
620	NITRATE NITROGEN (as N)		0.02	mg/L	10	10	0.01	mg/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
630	NITROGEN - NO3/NO2 (NOX)		0.02	mg/L	10	10	0.01	mg/L
929	SODIUM (Total)		77	mg/L	160	160	0.5	mg/L
940	CHLORIDE		89	mg/L	250	250	0.5	mg/L
985	VANADIUM (Total)		12	ug/L		49	10	ug/L
1002	ARSENIC (Total)		5.6	ug/L	50	50	5	ug/L
1007	BARIUM (Total)		57	ug/L	2000	2000	10	ug/L
1012	BERYLLIUM (Total)		1	ug/L	4	4	1	ug/L
1027	Cadmium		1	ug/L	5	5	1	ug/L
1034	CHROMIUM (Total)		5	ug/L	100	100	5	ug/L
1042	COPPER (Total)		10	ug/L	1000	1000	10	ug/L
1045	IRON (Total)		35000	ug/L	3	3	40	ug/L
1051	LEAD (Total)		5	ug/L	15	15	5	ug/L
1059	THALLIUM (Total)		1	ug/L	2	2	1	ug/L
1067	NICKEL (Total)		10	ug/L	100	100	10	ug/L
1077	SILVER (Total)		10	ug/L	100	100	10	ug/L
1092	ZINC (Total)		20	ug/L	5000	5000	20	ug/L
1097	ANTIMONY (Total)		5	ug/L	6	6	5	ug/L
1147	SELENIUM (Total)		5	ug/L	50	50	5	ug/L
1370	COBALT (Total)		50	ug/L			50	ug/L
32101	Bromodichloromethane		0.5	ug/L		0.6	0.5	ug/L
32102	Carbon tetrachloride		0.5	ug/L	3	3	0.5	ug/L
32104	Bromoform		0.5	ug/L		4	0.5	ug/L
32105	Dibromochloromethane		0.5	ug/L		1	0.5	ug/L
32106	Chloroform		0.5	ug/L		6	0.5	ug/L
34010	Toluene		0.5	ug/L	1000	1000	0.5	ug/L
34215	Acrylonitrile		8	ug/L	8	8	8	ug/L
34301	Chlorobenzene		0.5	ug/L	100	100	0.5	ug/L
34311	Chloroethane		0.5	ug/L		140	0.5	ug/L
34369	Ethylene dibromide		0.02	ug/L			0.02	ug/L
34371	Ethylbenzene		0.5	ug/L	700	700	0.5	ug/L
34413	Bromomethane		0.5	ug/L		10	0.5	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
34418	Chloromethane		0.5	ug/L		2.7	0.5	ug/L
34423	Methylene chloride		0.5	ug/L	5	5	0.5	ug/L
34475	Tetrachloroethene		0.5	ug/L	3	3	0.5	ug/L
34488	Trichlorofluoromethane		0.5	ug/L		2100	0.5	ug/L
34496	1,1-DICHLOROETHANE		0.5	ug/L		700	0.5	ug/L
34501	1,1-DICHLOROETHENE		0.5	ug/L	7	7	0.5	ug/L
34506	1,1,1-TRICHLOROETHANE		0.5	ug/L	200	200	0.5	ug/L
34511	1,1,2-TRICHLOROETHANE		0.5	ug/L	5	5	0.5	ug/L
34516	1,1,2,2-TETRACHLOROETHANE		0.5	ug/L		0.2	0.5	ug/L
34531	1,2-DICHLOROETHANE		0.5	ug/L	3	3	0.5	ug/L
34536	1,2-DICHLOROBENZENE		0.5	ug/L	600	600	0.5	ug/L
34541	1,2-DICHLOROPROPANE		0.5	ug/L	5	5	0.5	ug/L
34546	trans-1,2-Dichloroethene		0.5	ug/L	100	100	0.5	ug/L
34571	1,4-DICHLOROBENZENE		0.5	ug/L	75	75	0.5	ug/L
34699	trans-1,3-Dichloropropene		0.5	ug/L		1	0.5	ug/L
34704	cis-1,3-Dichloropropene		0.5	ug/L		1	0.5	ug/L
37860	1,2-DIBROMO-3-CHLOROPROPANE		0.02	ug/L	0.2	0.2	0.02	ug/L
39175	VINYL CHLORIDE		0.5	ug/L	1	1	0.5	ug/L
39180	Trichloroethene		0.5	ug/L	3	3	0.5	ug/L
46361	Dibromomethane		0.5	ug/L			0.5	ug/L
70300	Total Dissolved Solids		660	mg/L	500	500	5	mg/L
71900	Mercury		0.2	ug/L	2	2	0.2	ug/L
73085	Bromochloromethane		0.5	ug/L			0.5	ug/L
77041	Carbon Disulfide		0.5	ug/L		700	0.5	ug/L
77057	Vinyl acetate		2	ug/L		250	2	ug/L
77093	cis-1,2-Dichloroethene		0.5	ug/L	70	70	0.5	ug/L
77103	METHYL BUTYL KETONE (MBK)		1	ug/L			1	ug/L
77128	Styrene		0.5	ug/L	100	100	0.5	ug/L
77268	trans-1,4-Dichloro-2-butene		10	ug/L			10	ug/L
77424	IODOMETHANE		2	ug/L			2	ug/L
77443	1,2,3-TRICHLOROPROPANE		0.5	ug/L		42	0.5	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
77562	1,1,1,2-TETRACHLOROETHANE		0.5	ug/L		1	0.5	ug/L
78124	Benzene		0.5	ug/L	1	1	0.5	ug/L
81551	XYLENES (Total)		0.5	ug/L	10000	10000	0.5	ug/L
81552	Acetone		10	ug/L		700	10	ug/L
81595	METHYL ETHYL KETONE (MEK)		1	ug/L		4200	1	ug/L
81596	METHYL ISOBUTYL KETONE (MIBK)		1	ug/L	350	350	1	ug/L
82078	TURBIDITY (Field)		8.8	NTU			0.1	NTU

Station MW-11

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Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-11								
July 1994								
610	AMMONIA NITROGEN (as N)		0.17	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.002	mg/L	200	200	200	ug/L
929	SODIUM (Total)		49	mg/L	160	160	0.113	mg/L
940	CHLORIDE		42	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.005	mg/L	50	50	0.5	ug/L
1034	CHROMIUM (Total)		0.025	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		12	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.001	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.077	mg/L	100	100	0.5	ug/L
1102	Tin		0.01	mg/L		4200	100	ug/L
70300	Total Dissolved Solids		520	mg/L	500	500	5	mg/L
78875	Sulfide		0.08	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		23.6	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		401	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		350	umhos/cm			0.1	umhos/cm
400	pH (Field)		6.4	pH Units			0.01	pH Units
406	pH In Field		6.42	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		1	mg/L as N			0.01	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
610	AMMONIA NITROGEN (as N)		0.78	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		79	mg/L			1	mg/L
929	SODIUM (Total)		45	mg/L	160	160	0.113	mg/L
940	CHLORIDE		25	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		13	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		370	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		105	NTU			1	NTU
September 1998								
10	TEMPERATURE (Field)		22.9	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		783	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		683	umhos/cm			0.1	umhos/cm
299	DISSOLVED OXYGEN (Field)		3	mg/l			0.05	mg/l
400	pH (Field)		6.26	pH Units			0.01	pH Units
403	pH		6.56	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		2.91	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		10.4	mg/l	160	160	0.35	mg/l
940	CHLORIDE		5.84	mg/l	250	250	0.4	mg/l
1002	ARSENIC (Total)		13.9	ug/l	50	50	1	ug/l
1007	BARIUM (Total)		28.5	ug/l	2000	2000	1	ug/l
1027	Cadmium		1.97	ug/l	5	5	1.5	ug/l
1037	Cobalt		1.14	ug/l			1	ug/l
1042	COPPER (Total)		3.94	ug/l	1000	1000	0.5	ug/l
1045	IRON (Total)		3.33	mg/l	3	3	0.04	mg/l
1067	NICKEL (Total)		8.89	ug/l	100	100	1	ug/l
1077	SILVER (Total)		0.53	ug/l	100	100	0.5	ug/l
1087	VANADIUM (Total)		9.23	ug/l		49	1	ug/l
1092	ZINC (Total)		25.2	ug/l	5000	5000	5	mg/l
70300	Total Dissolved Solids		392	mg/l	500	500	5	mg/l
71900	Mercury		0.15	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)			NTU			1	NTU
April 1999								

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
10	TEMPERATURE (Field)		23.9	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		550	umhos/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		3.3	mg/L			0.1	mg/L
400	pH (Field)		6.88	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		2.6	mg/L as N			0.05	mg/L as N
929	SODIUM (Total)		8	mg/L	160	160	0.5	mg/L
940	CHLORIDE		4	mg/L	250	250	0.5	mg/L
1002	ARSENIC (Total)		5	ug/L	50	50	1	ug/L
1007	BARIUM (Total)		18	ug/L	2000	2000	10	ug/L
1042	COPPER (Total)		16	ug/L	1000	1000	10	ug/L
1045	IRON (Total)		1800	ug/L	3	3	0.025	mg/l
1051	LEAD (Total)		5.6	ug/L	15	15	5	ug/L
1092	ZINC (Total)		26	ug/L	5000	5000	25	ug/L
70300	Total Dissolved Solids		270	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		5	NTU			0.1	N.T.U.
November 1999								
610	AMMONIA NITROGEN (as N)		1.4	mg/L as N			0.05	mg/L as N
929	SODIUM (Total)		3.7	mg/L	160	160	0.5	mg/L
940	CHLORIDE		4.6	mg/L	250	250	0.5	mg/L
1002	ARSENIC (Total)		24	ug/L	50	50	5	ug/L
1007	BARIUM (Total)		15	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		1100	ug/L	3	3	0.04	mg/l
70300	Total Dissolved Solids		310	mg/L	500	500	5	mg/L
70300	Total Dissolved Solids		310	mg/l	500	500	5	mg/l

Section No.

Section Title

Station MW-12

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
MW-12								
July 1994								
610	AMMONIA NITROGEN (as N)		0.17	mg/L as N			0.01	mg/L as N
720	CYANIDE - TOTAL		0.001	mg/L	200	200	200	ug/L
929	SODIUM (Total)		67	mg/L	160	160	0.113	mg/L
940	CHLORIDE		88	mg/L	250	250	0.4	mg/L
1002	ARSENIC (Total)		0.008	mg/L	50	50	0.5	ug/L
1034	CHROMIUM (Total)		0.024	mg/L	100	100	0.5	ug/L
1045	IRON (Total)		18	mg/L	3	3	0.05	ug/L
1051	LEAD (Total)		0.006	mg/L	15	15	0.5	ug/L
1067	NICKEL (Total)		0.023	mg/L	100	100	0.5	ug/L
1102	Tin		0.009	mg/L		4200	100	ug/L
70300	Total Dissolved Solids		760	mg/L	500	500	5	mg/L
78875	Sulfide		0.65	mg/L			4000	ug/L
November 1994								
10	TEMPERATURE (Field)		23.7	Deg C			0.1	oC
94	SPECIFIC CONDUCTANCE(Field)		616	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		560	umhos/cm			0.1	umhos/cm
400	pH (Field)		5.92	pH Units			0.01	pH Units
406	pH In Field		6.09	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.78	mg/L as N			0.01	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
610	AMMONIA NITROGEN (as N)		1	mg/L as N			0.01	mg/L as N
680	TOTAL ORGANIC CARBON (TOC)		210	mg/L			1	mg/L
929	SODIUM (Total)		100	mg/L	160	160	0.113	mg/L
940	CHLORIDE		73	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		18	mg/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		730	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		22.6	NTU			1	NTU
September 1998								
10	TEMPERATURE (Field)		22.9	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		731	umhos/cm			1	umhos/cm
95	CONDUCTIVITY		638	umhos/cm			0.1	umhos/cm
299	DISSOLVED OXYGEN (Field)		4	mg/l			0.05	mg/l
400	pH (Field)		6.02	pH Units			0.01	pH Units
403	pH		6.3	pH Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		5.94	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		20.1	mg/l	160	160	0.35	mg/l
940	CHLORIDE		4.13	mg/l	250	250	0.4	mg/l
1002	ARSENIC (Total)		5.83	ug/l	50	50	1	ug/l
1007	BARIUM (Total)		23.3	ug/l	2000	2000	1	ug/l
1045	IRON (Total)		4.67	mg/l	3	3	0.04	mg/l
1067	NICKEL (Total)		5.5	ug/l	100	100	1	ug/l
1087	VANADIUM (Total)		2.14	ug/l		49	1	ug/l
1092	ZINC (Total)		6.01	ug/l	5000	5000	5	mg/l
70300	Total Dissolved Solids		379	mg/l	500	500	5	mg/l
71900	Mercury		0.16	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)			NTU			1	NTU
April 1999								
10	TEMPERATURE (Field)		23.3	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		720	umhos/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		5.6	mg/L			0.1	mg/L
400	pH (Field)		6.7	pH Units			0.01	pH Units

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
610	AMMONIA NITROGEN (as N)		6.7	mg/L as N			0.05	mg/L as N
929	SODIUM (Total)		23	mg/L	160	160	0.5	mg/L
940	CHLORIDE		7.3	mg/L	250	250	0.5	mg/L
1002	ARSENIC (Total)		9.3	ug/L	50	50	1	ug/L
1007	BARIUM (Total)		22	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		2500	ug/L	3	3	0.025	mg/L
70300	Total Dissolved Solids		360	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		3	NTU			0.1	N.T.U.
November 1999								
929	SODIUM (Total)		7	mg/L	160	160	0.5	mg/L
940	CHLORIDE		3.2	mg/L	250	250	0.5	mg/L
1007	BARIUM (Total)		22	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		4900	ug/L	3	3	0.04	mg/L
70300	Total Dissolved Solids		370	mg/L	500	500	5	mg/L

Station B-1

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Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
B-1								
August 1994								
95	CONDUCTIVITY		303	umhos/cm			0.1	umhos/cm
340	CHEMICAL OXYGEN DEMAND (COD)		6.3	mg/L			1	mg/L
406	pH In Field		6.81	ph Units			0.01	pH Units
929	SODIUM (Total)		15.8	mg/L	160	160	0.113	mg/L
940	CHLORIDE		22.7	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		800	ug/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		235	mg/L	500	500	5	mg/L
September 1997								
10	TEMPERATURE (Field)		29.3	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		737	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		3	mg/l			0.05	mg/l
310	Biochemical Oxygen Demand		2.22	mg/l			1	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		47	mg/l			4	mg/l
400	pH (Field)		7.39	pH Units			0.01	pH Units
403	pH		7.38	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		1	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.25	mg/l			0.02	mg/l
620	NITRATE NITROGEN (as N)		0.01	mg/l	10	10	0.001	mg/l
665	Total Phosphorus		0.212	mg/l			0.01	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
680	TOTAL ORGANIC CARBON (TOC)		37.5	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		341	mg/l			0.4	mg/l
1002	ARSENIC (Total)		0.53	ug/l	50	50	0.5	ug/l
1007	BARIUM (Total)		62.9	ug/l	2000	2000	0.5	ug/l
1037	Cobalt		0.88	ug/l			0.5	ug/l
1042	COPPER (Total)		0.855	ug/l	1000	1000	0.5	ug/l
1045	IRON (Total)		0.966	mg/l	3	3	0.01	mg/l
1067	NICKEL (Total)		4.2	ug/l	100	100	0.5	ug/l
1092	ZINC (Total)		16.9	ug/l	5000	5000	5	ug/l
34418	Chloromethane		4	ug/l		2.7	0.5	ug/l
34423	Methylene chloride		1	ug/l	5	5	0.5	ug/l
70300	Total Dissolved Solids		545	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)		5.17	NTU			1	NTU
February 1998								
10	TEMPERATURE (Field)		13	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		329	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		8.75	mg/l			0.05	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		53	mg/l			4	mg/l
400	pH (Field)		6.85	pH Units			0.01	pH Units
403	pH		7	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		2	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.16	mg/l			0.1	mg/l
620	NITRATE NITROGEN (as N)		0.13	mg/l	10	10	0.002	mg/l
665	Total Phosphorus		0.178	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		30.8	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		150	mg/l			0.4	mg/l
1002	ARSENIC (Total)		1.22	ug/l	50	50	0.4	ug/l
1007	BARIUM (Total)		17.5	ug/l	2000	2000	0.4	ug/l
1034	CHROMIUM (Total)		0.95	ug/l	100	100	0.4	ug/l
1042	COPPER (Total)		4.43	ug/l	1000	1000	0.2	ug/l
1045	IRON (Total)		0.847	mg/l	3	3	0.04	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1051	LEAD (Total)		0.76	ug/l	15	15	0.2	ug/l
1067	NICKEL (Total)		3.8	ug/l	100	100	0.4	ug/l
1092	ZINC (Total)		8.66	ug/l	5000	5000	2	ug/l
34418	Chloromethane		3	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		242	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)		3.63	NTU			1	NTU
September 1998								
310	Biochemical Oxygen Demand	True	2.29	mg/L			2	mg/L
340	CHEMICAL OXYGEN DEMAND (COD)	True	82	mg/L			4	mg/L
403	pH	True	7.16	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)	True	45	mg/L			0.6	mg/L
600	NITROGEN - TOTAL (TN)	True	2.05	mg/L			0.1	mg/L
610	AMMONIA NITROGEN (as N)	True	0.047	mg/L as N			0.01	mg/L as N
615	NITRITE NITROGEN (as N)	True	0.005	mg/L	1	1	0.002	mg/L
620	NITRATE NITROGEN (as N)	True	0.12	mg/L	10	10	0.002	mg/L
625	Total Kjeldahl Nitrogen	True	1.92	mg/L			0.1	mg/L
630	NITROGEN - NO3/NO2 (NOX)	True	0.125	mg/L	10	10	0.002	mg/L
665	Total Phosphorus	True	0.286	mg/L			0.01	mg/L
680	TOTAL ORGANIC CARBON (TOC)	True	25.9	mg/L			1	mg/L
900	TOTAL HARDNESS as CaCO3	True	447	mg/L			0.4	mg/L
1002	ARSENIC (Total)	True	4.12	ug/L	50	50	1	ug/L
1007	BARIUM (Total)	True	23.2	ug/L	2000	2000	1	ug/L
1042	COPPER (Total)	True	1.91	ug/L	1000	1000	0.5	ug/L
1045	IRON (Total)	True	3.24	mg/L	3	3	0.04	mg/L
1051	LEAD (Total)	True	0.81	ug/L	15	15	0.5	ug/L
1067	NICKEL (Total)	True	5.61	ug/L	100	100	1	ug/L
1087	VANADIUM (Total)	True	3.57	ug/L		49	1	ug/L
1092	ZINC (Total)	True	10.2	ug/L	5000	5000	5	ug/L
70300	Total Dissolved Solids	True	406	mg/L	500	500	5	mg/L
April 1999								
10	TEMPERATURE (Field)		27	DEG C			0	DEG C

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
94	SPECIFIC CONDUCTANCE(Field)		1500	umhos/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		7.1	mg/L			0.1	mg/L
340	CHEMICAL OXYGEN DEMAND (COD)		57	mg/L			10	mg/L
400	pH (Field)		7.68	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		21	mg/L			1	mg/L
600	NITROGEN - TOTAL (TN)		1.1	mg/L			0.5	mg/L
620	NITRATE NITROGEN (as N)		0.52	mg/L	10	10	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.52	mg/L	10	10	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.52	mg/L	10	10	0.01	mg/L
665	Total Phosphorus		0.076	mg/L			0.025	mg/L
680	TOTAL ORGANIC CARBON (TOC)		31	mg/L			5	mg/L
1002	ARSENIC (Total)		1.9	ug/L	50	50	1	ug/L
1007	BARIUM (Total)		47	ug/L	2000	2000	10	ug/L
31616	FECAL COLIFORM (MF)		10	Col/100 ml			10	#/100 mL
32211	Chlorophyll A		34	ug/L			1	ug/L
46570	TOTAL HARDNESS as CaCO3		780	mg/L			1.2	mg/L
70300	Total Dissolved Solids		1100	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		1	NTU			0.1	N.T.U.
November 1999								
340	CHEMICAL OXYGEN DEMAND (COD)		34	mg/L			10	mg/L
530	TOTAL SUSPENDED SOLIDS (TSS)		9.3	mg/L			1	mg/L
600	NITROGEN - TOTAL (TN)		1.3	mg/L			0.5	mg/L
610	AMMONIA NITROGEN (as N)		0.14	mg/L as N			0.05	mg/L as N
620	NITRATE NITROGEN (as N)		0.24	mg/L	10	10	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.25	mg/L	10	10	0.01	mg/L
665	Total Phosphorus		0.12	mg/L			0.025	mg/L
680	TOTAL ORGANIC CARBON (TOC)		14	mg/L			2	mg/L
1007	BARIUM (Total)		37	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		1400	ug/L	3	3	0.04	mg/L
32211	Chlorophyll A		16	ug/L			1	ug/L
46570	TOTAL HARDNESS as CaCO3		520	mg/L			1.2	mg/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
70300	Total Dissolved Solids		880	mg/L	500	500	5	mg/L
80082	BOD 5-Day		3.73	mg/L			2	mg/L

Station B-2

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Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
B-2								
August 1994								
95	CONDUCTIVITY		75	umhos/cm			0.1	umhos/cm
95	CONDUCTIVITY		75	umhos/cm			0.1	umhos/cm
340	CHEMICAL OXYGEN DEMAND (COD)		5.9	mg/L			1	mg/L
340	CHEMICAL OXYGEN DEMAND (COD)		5.7	mg/L			1	mg/L
406	pH In Field		4.84	ph Units			0.01	pH Units
406	pH In Field		4.89	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.12	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		5.7	mg/L	160	160	0.113	mg/L
929	SODIUM (Total)		5.7	mg/L	160	160	0.113	mg/L
940	CHLORIDE		12.5	mg/L	250	250	0.4	mg/L
940	CHLORIDE		11.7	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		560	ug/L	3	3	0.05	ug/L
1045	IRON (Total)		610	ug/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		68	mg/L	500	500	5	mg/L
70300	Total Dissolved Solids		108	mg/L	500	500	5	mg/L
September 1997								
10	TEMPERATURE (Field)		26.4	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		122	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		1.25	mg/l			0.05	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
310	Biochemical Oxygen Demand		2.15	mg/l			1	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		115	mg/l			4	mg/l
400	pH (Field)		6.5	pH Units			0.01	pH Units
403	pH		6.14	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		30	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		2	mg/l			0.02	mg/l
665	Total Phosphorus		0.233	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		51	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		55	mg/l			0.4	mg/l
1007	BARIUM (Total)		136	ug/l	2000	2000	0.5	ug/l
1045	IRON (Total)		0.42	mg/l	3	3	0.01	mg/l
1077	SILVER (Total)		0.28	ug/l	100	100	0.25	ug/l
1092	ZINC (Total)		93.6	ug/l	5000	5000	5	ug/l
1097	ANTIMONY (Total)		10.3	ug/l	6	6	5	ug/l
34418	Chloromethane		4	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		115	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)		5.99	NTU			1	NTU
February 1998								
10	TEMPERATURE (Field)		11.9	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		74.5	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		4	mg/l			0.05	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		69	mg/l			4	mg/l
400	pH (Field)		4.42	pH Units			0.01	pH Units
403	pH		6.3	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		8	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.48	mg/l			0.1	mg/l
620	NITRATE NITROGEN (as N)		0.005	mg/l	10	10	0.002	mg/l
665	Total Phosphorus		0.557	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		47.5	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		36.9	mg/l			0.4	mg/l
1002	ARSENIC (Total)		0.66	ug/l	50	50	0.4	ug/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1007	BARIUM (Total)		7.34	ug/l	2000	2000	0.4	ug/l
1034	CHROMIUM (Total)		0.63	ug/l	100	100	0.4	ug/l
1042	COPPER (Total)		2.42	ug/l	1000	1000	0.2	ug/l
1045	IRON (Total)		0.21	mg/l	3	3	0.04	mg/l
1051	LEAD (Total)		0.7	ug/l	15	15	0.2	ug/l
1067	NICKEL (Total)		1.41	ug/l	100	100	0.4	ug/l
1092	ZINC (Total)		27.7	ug/l	5000	5000	2	ug/l
34418	Chloromethane		2.6	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		117	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)		1.15	NTU			1	NTU
September 1998								
310	Biochemical Oxygen Demand	True	3.09	mg/L			2	mg/L
340	CHEMICAL OXYGEN DEMAND (COD)	True	100	mg/L			4	mg/L
403	pH	True	6.28	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)	True	25	mg/L			0.6	mg/L
600	NITROGEN - TOTAL (TN)	True	2.89	mg/L			0.1	mg/L
610	AMMONIA NITROGEN (as N)	True	0.035	mg/L as N			0.01	mg/L as N
615	NITRITE NITROGEN (as N)	True	0.006	mg/L	1	1	0.002	mg/L
620	NITRATE NITROGEN (as N)	True	0.01	mg/L	10	10	0.002	mg/L
625	Total Kjeldahl Nitrogen	True	2.87	mg/L			0.1	mg/L
630	NITROGEN - NO3/NO2 (NOX)	True	0.016	mg/L	10	10	0.002	mg/L
665	Total Phosphorus	True	0.475	mg/L			0.01	mg/L
680	TOTAL ORGANIC CARBON (TOC)	True	38.8	mg/L			1	mg/L
900	TOTAL HARDNESS as CaCO3	True	117	mg/L			0.4	mg/L
1002	ARSENIC (Total)	True	1.42	ug/L	50	50	1	ug/L
1007	BARIUM (Total)	True	9.19	ug/L	2000	2000	1	ug/L
1034	CHROMIUM (Total)	True	4.11	ug/L	100	100	1	ug/L
1045	IRON (Total)	True	0.706	mg/L	3	3	0.04	mg/L
1067	NICKEL (Total)	True	2.39	ug/L	100	100	1	ug/L
1087	VANADIUM (Total)	True	1.27	ug/L		49	1	ug/L
1092	ZINC (Total)	True	19	ug/L	5000	5000	5	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
34010	Toluene	True	0.6	ug/L	1000	1000	0.5	ug/L
70300	Total Dissolved Solids	True	118	mg/L	500	500	5	mg/L
November 1999								
340	CHEMICAL OXYGEN DEMAND (COD)		140	mg/L			10	mg/L
530	TOTAL SUSPENDED SOLIDS (TSS)		2.7	mg/L			1	mg/L
600	NITROGEN - TOTAL (TN)		1.5	mg/L			0.5	mg/L
610	AMMONIA NITROGEN (as N)		0.16	mg/L			0.05	mg/L
665	Total Phosphorus		0.16	mg/L			0.025	mg/L
680	TOTAL ORGANIC CARBON (TOC)		31	mg/L			10	mg/L
1045	IRON (Total)		260	ug/L	3	3	40	ug/L
1092	ZINC (Total)		31	ug/L	5000	5000	20	ug/L
46570	TOTAL HARDNESS as CaCO3		24	mg/L			1.2	mg/L
70304	Total Dissolved Solids (TDS)		89	mg/L		500	5	mg/L
80082	BOD 5-Day		16.1	mg/L			2	mg/L

Station B-3

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Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
B-3								
August 1994								
95	CONDUCTIVITY		110	umhos/cm			0.1	umhos/cm
340	CHEMICAL OXYGEN DEMAND (COD)		5.3	mg/L			1	mg/L
406	pH In Field		5.85	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.18	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		6.9	mg/L	160	160	0.113	mg/L
940	CHLORIDE		13	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		790	ug/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		122	mg/L	500	500	5	mg/L
September 1997								
10	TEMPERATURE (Field)		26	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		345	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		100	mg/l			0.05	mg/l
310	Biochemical Oxygen Demand		2.02	mg/l			1	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		66	mg/l			4	mg/l
400	pH (Field)		6.79	pH Units			0.01	pH Units
403	pH		6.65	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		2.5	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.5	mg/l			0.02	mg/l
620	NITRATE NITROGEN (as N)		0.072	mg/l	10	10	0.001	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
665	Total Phosphorus		0.184	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		38.1	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		89	mg/l			0.4	mg/l
1007	BARIUM (Total)		83.7	ug/l	2000	2000	0.5	ug/l
1037	Cobalt		0.57	ug/l			0.5	ug/l
1042	COPPER (Total)		2.52	ug/l	1000	1000	0.5	ug/l
1045	IRON (Total)		0.44	mg/l	3	3	0.01	mg/l
1051	LEAD (Total)		0.53	ug/l	15	15	0.5	ug/l
1067	NICKEL (Total)		0.76	ug/l	100	100	0.5	ug/l
1092	ZINC (Total)		52.4	ug/l	5000	5000	5	ug/l
34418	Chloromethane		2	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		199	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)		6.15	NTU			1	NTU
February 1998								
10	TEMPERATURE (Field)		14.3	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		140	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		4	mg/l			0.05	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		50	mg/l			4	mg/l
400	pH (Field)		6.5	pH Units			0.01	pH Units
403	pH		6.59	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		5	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		0.96	mg/l			0.1	mg/l
665	Total Phosphorus		0.397	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		39.5	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		48	mg/l			0.4	mg/l
1002	ARSENIC (Total)		1.12	ug/l	50	50	0.4	ug/l
1007	BARIUM (Total)		10.8	ug/l	2000	2000	0.4	ug/l
1034	CHROMIUM (Total)		1.1	ug/l	100	100	0.4	ug/l
1042	COPPER (Total)		2.29	ug/l	1000	1000	0.2	ug/l
1045	IRON (Total)		0.306	mg/l	3	3	0.04	mg/l
1051	LEAD (Total)		0.85	ug/l	15	15	0.2	ug/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1067	NICKEL (Total)		1.65	ug/l	100	100	0.4	ug/l
1092	ZINC (Total)		8.04	ug/l	5000	5000	2	ug/l
34418	Chloromethane		3	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		93	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)		10.7	NTU			1	NTU
September 1998								
310	Biochemical Oxygen Demand	True	4.65	mg/L			2	mg/L
340	CHEMICAL OXYGEN DEMAND (COD)	True	78	mg/L			4	mg/L
403	pH	True	6.66	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)	True	6	mg/L			0.6	mg/L
600	NITROGEN - TOTAL (TN)	True	0.839	mg/L			0.1	mg/L
610	AMMONIA NITROGEN (as N)	True	0.026	mg/L as N			0.01	mg/L as N
615	NITRITE NITROGEN (as N)	True	0.004	mg/L	1	1	0.002	mg/L
620	NITRATE NITROGEN (as N)	True	0.006	mg/L	10	10	0.002	mg/L
625	Total Kjeldahl Nitrogen	True	0.829	mg/L			0.1	mg/L
630	NITROGEN - NO3/NO2 (NOX)	True	0.01	mg/L	10	10	0.002	mg/L
665	Total Phosphorus	True	0.285	mg/L			0.01	mg/L
680	TOTAL ORGANIC CARBON (TOC)	True	25.1	mg/L			1	mg/L
900	TOTAL HARDNESS as CaCO3	True	173	mg/L			0.4	mg/L
1002	ARSENIC (Total)	True	4.31	ug/L	50	50	1	ug/L
1007	BARIUM (Total)	True	10.2	ug/L	2000	2000	1	ug/L
1045	IRON (Total)	True	0.946	mg/L	3	3	0.04	mg/L
1067	NICKEL (Total)	True	2.26	ug/L	100	100	1	ug/L
1087	VANADIUM (Total)	True	1.62	ug/L		49	1	ug/L
1092	ZINC (Total)	True	8.06	ug/L	5000	5000	5	ug/L
70300	Total Dissolved Solids	True	129	mg/L	500	500	5	mg/L
November 1999								
340	CHEMICAL OXYGEN DEMAND (COD)		78	mg/L			10	mg/L
530	TOTAL SUSPENDED SOLIDS (TSS)		12	mg/L			1	mg/L
600	NITROGEN - TOTAL (TN)		1.4	mg/L			0.5	mg/L
610	AMMONIA NITROGEN (as N)		0.12	mg/L as N			0.05	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
665	Total Phosphorus		0.065	mg/L			0.025	mg/L
680	TOTAL ORGANIC CARBON (TOC)		28	mg/L			10	mg/L
1045	IRON (Total)		1000	ug/L	3	3	40	ug/L
1092	ZINC (Total)		37	ug/L	5000	5000	20	ug/L
32211	Chlorophyll A		4.7	ug/L			1	ug/L
46570	TOTAL HARDNESS as CaCO3		10	mg/L			1.2	mg/L
70300	Total Dissolved Solids		88	mg/L	500	500	5	mg/L
80082	BOD 5-Day		6.37	mg/L			2	mg/L

Station B-4R

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
B-4								
August 1994								
95	CONDUCTIVITY		110	umhos/cm			0.1	umhos/cm
340	CHEMICAL OXYGEN DEMAND (COD)		7.1	mg/L			1	mg/L
406	pH In Field		5.87	ph Units			0.01	pH Units
929	SODIUM (Total)		6.5	mg/L	160	160	0.113	mg/L
940	CHLORIDE		13	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		710	ug/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		121	mg/L	500	500	5	mg/L
September 1997								
10	TEMPERATURE (Field)		27.7	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		237	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		2	mg/l			0.05	mg/l
310	Biochemical Oxygen Demand		1.33	mg/l			1	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		68	mg/l			4	mg/l
400	pH (Field)		6.74	pH Units			0.01	pH Units
403	pH		6.78	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		3.5	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.15	mg/l			0.02	mg/l
665	Total Phosphorus		0.151	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		43.2	mg/l			0.1	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
900	TOTAL HARDNESS as CaCO3		91	mg/l			0.4	mg/l
1007	BARIUM (Total)		45.7	ug/l	2000	2000	0.5	ug/l
1045	IRON (Total)		0.39	mg/l	3	3	0.01	mg/l
1067	NICKEL (Total)		0.91	ug/l	100	100	0.5	ug/l
1092	ZINC (Total)		22.2	ug/l	5000	5000	5	ug/l
34418	Chloromethane		2	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		193	mg/l	500	500	5	mg/l
71900	Mercury		1.5	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)		1.83	NTU			1	NTU
February 1998								
10	TEMPERATURE (Field)		14.9	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		138	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		7.25	mg/l			0.05	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		43	mg/l			4	mg/l
400	pH (Field)		6.68	pH Units			0.01	pH Units
403	pH		6.75	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		3	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.01	mg/l			0.1	mg/l
665	Total Phosphorus		0.474	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		32.8	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		48.2	mg/l			0.4	mg/l
1002	ARSENIC (Total)		0.93	ug/l	50	50	0.4	ug/l
1007	BARIUM (Total)		11.4	ug/l	2000	2000	0.4	ug/l
1034	CHROMIUM (Total)		1.13	ug/l	100	100	0.4	ug/l
1042	COPPER (Total)		3.78	ug/l	1000	1000	0.2	ug/l
1045	IRON (Total)		0.32	mg/l	3	3	0.04	mg/l
1051	LEAD (Total)		0.98	ug/l	15	15	0.2	ug/l
1067	NICKEL (Total)		1.52	ug/l	100	100	0.4	ug/l
1092	ZINC (Total)		8.6	ug/l	5000	5000	2	ug/l
34418	Chloromethane		2.2	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		116	mg/l	500	500	5	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
82078	TURBIDITY (Field)		12.7	NTU			1	NTU
September 1998								
310	Biochemical Oxygen Demand	True	2.43	mg/L			2	mg/L
340	CHEMICAL OXYGEN DEMAND (COD)	True	61	mg/L			4	mg/L
403	pH	True	6.47	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)	True	1	mg/L			0.6	mg/L
600	NITROGEN - TOTAL (TN)	True	1.14	mg/L			0.1	mg/L
610	AMMONIA NITROGEN (as N)	True	0.037	mg/L as N			0.01	mg/L as N
620	NITRATE NITROGEN (as N)	True	0.012	mg/L	10	10	0.002	mg/L
625	Total Kjeldahl Nitrogen	True	1.13	mg/L			0.1	mg/L
630	NITROGEN - NO3/NO2 (NOX)	True	0.012	mg/L	10	10	0.002	mg/L
665	Total Phosphorus	True	0.391	mg/L			0.01	mg/L
680	TOTAL ORGANIC CARBON (TOC)	True	21	mg/L			1	mg/L
900	TOTAL HARDNESS as CaCO3	True	125	mg/L			0.4	mg/L
1002	ARSENIC (Total)	True	3.45	ug/L	50	50	1	ug/L
1007	BARIUM (Total)	True	7.29	ug/L	2000	2000	1	ug/L
1045	IRON (Total)	True	0.378	mg/L	3	3	0.04	mg/L
1067	NICKEL (Total)	True	2.37	ug/L	100	100	1	ug/L
1087	VANADIUM (Total)	True	1.97	ug/L		49	1	ug/L
1092	ZINC (Total)	True	14.2	ug/L	5000	5000	5	ug/L
70300	Total Dissolved Solids	True	105	mg/L	500	500	5	mg/L
November 1999								
340	CHEMICAL OXYGEN DEMAND (COD)		250	mg/L			10	mg/L
530	TOTAL SUSPENDED SOLIDS (TSS)		7.5	mg/L			1	mg/L
600	NITROGEN - TOTAL (TN)		1.6	mg/L			0.5	mg/L
610	AMMONIA NITROGEN (as N)		0.26	mg/L			0.05	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.02	mg/L	10	10	0.01	mg/L
665	Total Phosphorus		0.2	mg/L			0.025	mg/L
680	TOTAL ORGANIC CARBON (TOC)		46	mg/L			10	mg/L
1007	BARIUM (Total)		6.3	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		420	ug/L	3	3	40	ug/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
46570	TOTAL HARDNESS as CaCO3		30	mg/L			1.2	mg/L
70304	Total Dissolved Solids (TDS)		93	mg/L		500	5	mg/L
80082	BOD 5-Day		9.48	mg/L			2	mg/L

Station B-5

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
B-5								
August 1994								
95	CONDUCTIVITY		270	umhos/cm			0.1	umhos/cm
340	CHEMICAL OXYGEN DEMAND (COD)		7.9	mg/L			1	mg/L
406	pH In Field		6.62	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.17	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		13.1	mg/L	160	160	0.113	mg/L
940	CHLORIDE		33.2	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		700	ug/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		202	mg/L	500	500	5	mg/L
September 1997								
10	TEMPERATURE (Field)		27.6	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		618	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		2.5	mg/l			0.05	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		52	mg/l			4	mg/l
400	pH (Field)		7.2	pH Units			0.01	pH Units
403	pH		7.23	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		3.5	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.24	mg/l			0.02	mg/l
620	NITRATE NITROGEN (as N)		0.046	mg/l	10	10	0.001	mg/l
665	Total Phosphorus		0.213	mg/l			0.01	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
680	TOTAL ORGANIC CARBON (TOC)		26.9	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		289	mg/l			0.4	mg/l
1007	BARIUM (Total)		58.3	ug/l	2000	2000	0.5	ug/l
1037	Cobalt		0.63	ug/l			0.5	ug/l
1042	COPPER (Total)		1.75	ug/l	1000	1000	0.5	ug/l
1045	IRON (Total)		1.01	mg/l	3	3	0.01	mg/l
1067	NICKEL (Total)		2.81	ug/l	100	100	0.5	ug/l
1092	ZINC (Total)		17.1	ug/l	5000	5000	5	ug/l
34418	Chloromethane		1	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		493	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)		3.89	NTU			1	NTU
February 1998								
10	TEMPERATURE (Field)		15	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		257	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		8.25	mg/l			0.05	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		46	mg/l			4	mg/l
400	pH (Field)		6.86	pH Units			0.01	pH Units
403	pH		7.03	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		4	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.21	mg/l			0.1	mg/l
620	NITRATE NITROGEN (as N)		0.124	mg/l	10	10	0.002	mg/l
665	Total Phosphorus		0.194	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		36.8	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		129	mg/l			0.4	mg/l
1002	ARSENIC (Total)		1.32	ug/l	50	50	0.4	ug/l
1007	BARIUM (Total)		17.2	ug/l	2000	2000	0.4	ug/l
1034	CHROMIUM (Total)		0.79	ug/l	100	100	0.4	ug/l
1042	COPPER (Total)		4.44	ug/l	1000	1000	0.2	ug/l
1045	IRON (Total)		0.956	mg/l	3	3	0.04	mg/l
1051	LEAD (Total)		0.63	ug/l	15	15	0.2	ug/l
1067	NICKEL (Total)		3.42	ug/l	100	100	0.4	ug/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1092	ZINC (Total)		7.15	ug/l	5000	5000	2	ug/l
34418	Chloromethane		3.4	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		252	mg/l	500	500	5	mg/l
71900	Mercury		0.11	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)		7.67	NTU			1	NTU
September 1998								
310	Biochemical Oxygen Demand	True	3.14	mg/L			2	mg/L
340	CHEMICAL OXYGEN DEMAND (COD)	True	62	mg/L			4	mg/L
403	pH	True	7	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)	True	14	mg/L			0.6	mg/L
600	NITROGEN - TOTAL (TN)	True	1.51	mg/L			0.1	mg/L
610	AMMONIA NITROGEN (as N)	True	0.048	mg/L as N			0.01	mg/L as N
615	NITRITE NITROGEN (as N)	True	0.006	mg/L	1	1	0.002	mg/L
620	NITRATE NITROGEN (as N)	True	0.097	mg/L	10	10	0.002	mg/L
625	Total Kjeldahl Nitrogen	True	1.41	mg/L			0.1	mg/L
630	NITROGEN - NO3/NO2 (NOX)	True	0.103	mg/L	10	10	0.002	mg/L
665	Total Phosphorus	True	0.485	mg/L			0.01	mg/L
680	TOTAL ORGANIC CARBON (TOC)	True	24	mg/L			1	mg/L
900	TOTAL HARDNESS as CaCO3	True	511	mg/L			0.4	mg/L
1002	ARSENIC (Total)	True	4.44	ug/L	50	50	1	ug/L
1007	BARIUM (Total)	True	25.1	ug/L	2000	2000	1	ug/L
1042	COPPER (Total)	True	3.37	ug/L	1000	1000	0.5	ug/L
1045	IRON (Total)	True	3.7	mg/L	3	3	0.04	mg/L
1067	NICKEL (Total)	True	14.5	ug/L	100	100	1	ug/L
1087	VANADIUM (Total)	True	2.63	ug/L		49	1	ug/L
1092	ZINC (Total)	True	10.4	ug/L	5000	5000	5	ug/L
70300	Total Dissolved Solids	True	385	mg/L	500	500	5	mg/L
April 1999								
10	TEMPERATURE (Field)		27.3	DEG C			0	DEG C
94	SPECIFIC CONDUCTANCE(Field)		950	umhos/cm			1	umho/cm
299	DISSOLVED OXYGEN (Field)		7.8	mg/L			0.1	mg/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
340	CHEMICAL OXYGEN DEMAND (COD)		56	mg/L			10	mg/L
400	pH (Field)		7.84	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		9.5	mg/L			1	mg/L
600	NITROGEN - TOTAL (TN)		0.99	mg/L			0.5	mg/L
615	NITRITE NITROGEN (as N)		0.18	mg/L	1	1	0.01	mg/L
620	NITRATE NITROGEN (as N)		0.18	mg/L	10	10	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.18	mg/L	10	10	0.01	mg/L
665	Total Phosphorus		0.073	mg/L			0.025	mg/L
680	TOTAL ORGANIC CARBON (TOC)		29	mg/L			5	mg/L
1002	ARSENIC (Total)		2.3	ug/L	50	50	1	ug/L
1007	BARIUM (Total)		32	ug/L	2000	2000	10	ug/L
31616	FECAL COLIFORM (MF)		20	Col/100 ml			10	#/100 mL
32211	Chlorophyll A		4.1	ug/L			1	ug/L
46570	TOTAL HARDNESS as CaCO3		440	mg/L			1.2	mg/L
70300	Total Dissolved Solids		500	mg/L	500	500	5	mg/L
82078	TURBIDITY (Field)		1	NTU			0.1	N.T.U.
November 1999								
340	CHEMICAL OXYGEN DEMAND (COD)		42	mg/L			10	mg/L
530	TOTAL SUSPENDED SOLIDS (TSS)		3.7	mg/L			1	mg/L
600	NITROGEN - TOTAL (TN)		1.2	mg/L			0.5	mg/L
610	AMMONIA NITROGEN (as N)		0.17	mg/L			0.05	mg/L
620	NITRATE NITROGEN (as N)		0.21	mg/L	10	10	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.22	mg/L	10	10	0.01	mg/L
665	Total Phosphorus		0.14	mg/L			0.025	mg/L
680	TOTAL ORGANIC CARBON (TOC)		15	mg/L			5	mg/L
1007	BARIUM (Total)		31	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		1500	ug/L	3	3	40	ug/L
1092	ZINC (Total)		27	ug/L	5000	5000	20	ug/L
31616	FECAL COLIFORM (MF)		5600	#/100 mL			100	#/100 mL
46570	TOTAL HARDNESS as CaCO3		320	mg/L			1.2	mg/L
70304	Total Dissolved Solids (TDS)		450	mg/L		500	5	mg/L

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
80082	BOD 5-Day		5.5	mg/L			2	mg/L

Section No.

Section Title

Station B-6

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
B-6								
August 1994								
95	CONDUCTIVITY		190	umhos/cm			0.1	umhos/cm
340	CHEMICAL OXYGEN DEMAND (COD)		5.1	mg/L			1	mg/L
406	pH In Field		6.54	ph Units			0.01	pH Units
610	AMMONIA NITROGEN (as N)		0.11	mg/L as N			0.01	mg/L as N
929	SODIUM (Total)		8.8	mg/L	160	160	0.113	mg/L
940	CHLORIDE		12.7	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		1550	ug/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		163	mg/L	500	500	5	mg/L
September 1997								
10	TEMPERATURE (Field)		24.5	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		202	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		1.75	mg/l			0.05	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		102	mg/l			4	mg/l
400	pH (Field)		6.49	pH Units			0.01	pH Units
403	pH		6.39	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		3	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		2.02	mg/l			0.02	mg/l
665	Total Phosphorus		0.312	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		66.2	mg/l			0.1	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
900	TOTAL HARDNESS as CaCO3		65	mg/l			0.4	mg/l
1007	BARIUM (Total)		29.6	ug/l	2000	2000	0.5	ug/l
1027	Cadmium		0.52	ug/l	5	5	0.5	ug/l
1037	Cobalt		0.81	ug/l			0.5	ug/l
1045	IRON (Total)		0.45	mg/l	3	3	0.01	mg/l
1051	LEAD (Total)		0.56	ug/l	15	15	0.5	ug/l
1067	NICKEL (Total)		1.44	ug/l	100	100	0.5	ug/l
1092	ZINC (Total)		9.14	ug/l	5000	5000	5	ug/l
1147	SELENIUM (Total)		7.81	ug/l	50	50	6.5	ug/l
34010	Toluene		3	ug/l	1000	1000	0.5	ug/l
34418	Chloromethane		2	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		195	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)		3.65	NTU			1	NTU
February 1998								
10	TEMPERATURE (Field)		13.8	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		110	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		4	mg/l			0.05	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		48.5	mg/l			4	mg/l
400	pH (Field)		6.24	pH Units			0.01	pH Units
403	pH		6.3	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		1	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		0.92	mg/l			0.1	mg/l
665	Total Phosphorus		0.029	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		36.6	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		30.9	mg/l			0.4	mg/l
1002	ARSENIC (Total)		0.57	ug/l	50	50	0.4	ug/l
1007	BARIUM (Total)		4.33	ug/l	2000	2000	0.4	ug/l
1042	COPPER (Total)		1.84	ug/l	1000	1000	0.2	ug/l
1045	IRON (Total)		0.17	mg/l	3	3	0.04	mg/l
1051	LEAD (Total)		0.42	ug/l	15	15	0.2	ug/l
1067	NICKEL (Total)		0.87	ug/l	100	100	0.4	ug/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
1092	ZINC (Total)		3.75	ug/l	5000	5000	2	ug/l
34010	Toluene		3	ug/l	1000	1000	0.5	ug/l
34418	Chloromethane		3.2	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		88	mg/l	500	500	5	mg/l
71900	Mercury		0.18	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)		1.24	NTU			1	NTU
November 1999								
340	CHEMICAL OXYGEN DEMAND (COD)		66	mg/L			10	mg/L
530	TOTAL SUSPENDED SOLIDS (TSS)		10	mg/L			1	mg/L
600	NITROGEN - TOTAL (TN)		1.4	mg/L			0.5	mg/L
610	AMMONIA NITROGEN (as N)		0.07	mg/L as N			0.05	mg/L as N
620	NITRATE NITROGEN (as N)		0.03	mg/L	10	10	0.01	mg/L
630	NITROGEN - NO3/NO2 (NOX)		0.03	mg/L	10	10	0.01	mg/L
665	Total Phosphorus		0.077	mg/L			0.025	mg/L
680	TOTAL ORGANIC CARBON (TOC)		20	mg/L			5	mg/L
1045	IRON (Total)		450	ug/L	3	3	40	ug/L
32211	Chlorophyll A		62	ug/L			1	ug/L
46570	TOTAL HARDNESS as CaCO3		44	mg/L			1.2	mg/L
70300	Total Dissolved Solids		110	mg/L	500	500	5	mg/L
80082	BOD 5-Day		7.07	mg/L			2	mg/L

Section No.

Section Title

Station B-7

CCSWDC 98-99 Biennial Report - Detection Analysis

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
B-7								
August 1994								
95	CONDUCTIVITY		71	umhos/cm			0.1	umhos/cm
340	CHEMICAL OXYGEN DEMAND (COD)		5.3	mg/L			1	mg/L
406	pH In Field		4.8	ph Units			0.01	pH Units
929	SODIUM (Total)		9.6	mg/L	160	160	0.113	mg/L
940	CHLORIDE		11.5	mg/L	250	250	0.4	mg/L
1045	IRON (Total)		680	ug/L	3	3	0.05	ug/L
70300	Total Dissolved Solids		77	mg/L	500	500	5	mg/L
September 1997								
10	TEMPERATURE (Field)			DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)			umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)			mg/l			0.05	mg/l
310	Biochemical Oxygen Demand		2.16	mg/l			1	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		117	mg/l			4	mg/l
400	pH (Field)			pH Units			0.01	pH Units
403	pH		4.92	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		1.5	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.76	mg/l			0.02	mg/l
620	NITRATE NITROGEN (as N)		0.03	mg/l	10	10	0.001	mg/l
665	Total Phosphorus		0.083	mg/l			0.01	mg/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
680	TOTAL ORGANIC CARBON (TOC)		63.1	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		20	mg/l			0.4	mg/l
1007	BARIUM (Total)		24.1	ug/l	2000	2000	0.5	ug/l
1037	Cobalt		0.71	ug/l			0.5	ug/l
1045	IRON (Total)		0.71	mg/l	3	3	0.01	mg/l
1092	ZINC (Total)		43.5	ug/l	5000	5000	5	ug/l
32106	Chloroform		3	ug/l		6	0.5	ug/l
34010	Toluene		0.8	ug/l	1000	1000	0.5	ug/l
34418	Chloromethane		8	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		84	mg/l	500	500	5	mg/l
82078	TURBIDITY (Field)			NTU			1	NTU
February 1998								
10	TEMPERATURE (Field)		13.7	DEG C			0.1	Deg. C
94	SPECIFIC CONDUCTANCE(Field)		38.8	umhos/cm			1	umhos/cm
299	DISSOLVED OXYGEN (Field)		2.5	mg/l			0.05	mg/l
340	CHEMICAL OXYGEN DEMAND (COD)		48	mg/l			4	mg/l
400	pH (Field)		4.84	pH Units			0.01	pH Units
403	pH		5.25	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)		93	mg/l			0.3	mg/l
600	NITROGEN - TOTAL (TN)		1.15	mg/l			0.1	mg/l
620	NITRATE NITROGEN (as N)		0.29	mg/l	10	10	0.002	mg/l
665	Total Phosphorus		0.032	mg/l			0.01	mg/l
680	TOTAL ORGANIC CARBON (TOC)		31.4	mg/l			0.1	mg/l
900	TOTAL HARDNESS as CaCO3		10.4	mg/l			0.4	mg/l
1007	BARIUM (Total)		2.89	ug/l	2000	2000	0.4	ug/l
1034	CHROMIUM (Total)		0.65	ug/l	100	100	0.4	ug/l
1042	COPPER (Total)		3.74	ug/l	1000	1000	0.2	ug/l
1045	IRON (Total)		0.27	mg/l	3	3	0.04	mg/l
1051	LEAD (Total)		0.57	ug/l	15	15	0.2	ug/l
1067	NICKEL (Total)		0.46	ug/l	100	100	0.4	ug/l
1092	ZINC (Total)		22.2	ug/l	5000	5000	2	ug/l

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
34418	Chloromethane		1.1	ug/l		2.7	0.5	ug/l
70300	Total Dissolved Solids		42	mg/l	500	500	5	mg/l
71900	Mercury		0.28	ug/l	2	2	0.1	ug/l
82078	TURBIDITY (Field)		5.98	NTU			1	NTU
September 1998								
310	Biochemical Oxygen Demand	True	5.54	mg/L			2	mg/L
340	CHEMICAL OXYGEN DEMAND (COD)	True	116	mg/L			4	mg/L
403	pH	True	5.3	pH Units			0.01	pH Units
530	TOTAL SUSPENDED SOLIDS (TSS)	True	31	mg/L			0.6	mg/L
600	NITROGEN - TOTAL (TN)	True	0.978	mg/L			0.1	mg/L
610	AMMONIA NITROGEN (as N)	True	0.033	mg/L as N			0.01	mg/L as N
615	NITRITE NITROGEN (as N)	True	0.008	mg/L	1	1	0.002	mg/L
620	NITRATE NITROGEN (as N)	True	0.006	mg/L	10	10	0.002	mg/L
625	Total Kjeldahl Nitrogen	True	0.964	mg/L			0.1	mg/L
630	NITROGEN - NO3/NO2 (NOX)	True	0.014	mg/L	10	10	0.002	mg/L
665	Total Phosphorus	True	0.141	mg/L			0.01	mg/L
680	TOTAL ORGANIC CARBON (TOC)	True	44.3	mg/L			1	mg/L
900	TOTAL HARDNESS as CaCO3	True	185	mg/L			0.4	mg/L
1002	ARSENIC (Total)	True	1.44	ug/L	50	50	1	ug/L
1007	BARIUM (Total)	True	5.1	ug/L	2000	2000	1	ug/L
1042	COPPER (Total)	True	1.17	ug/L	1000	1000	0.5	ug/L
1045	IRON (Total)	True	1.22	mg/L	3	3	0.04	mg/L
1067	NICKEL (Total)	True	6.14	ug/L	100	100	1	ug/L
1092	ZINC (Total)	True	19	ug/L	5000	5000	5	ug/L
34010	Toluene	True	1.9	ug/L	1000	1000	0.5	ug/L
70300	Total Dissolved Solids	True	72	mg/L	500	500	5	mg/L
November 1999								
340	CHEMICAL OXYGEN DEMAND (COD)		70	mg/L			10	mg/L
530	TOTAL SUSPENDED SOLIDS (TSS)		6.5	mg/L			1	mg/L
600	NITROGEN - TOTAL (TN)		1.8	mg/L			0.5	mg/L
610	AMMONIA NITROGEN (as N)		0.085	mg/L as N			0.05	mg/L as N

Storet Code	Parameter	Well Purged	Result	Units	MCL	GC	MDL	Units
665	Total Phosphorus		0.1	mg/L			0.025	mg/L
680	TOTAL ORGANIC CARBON (TOC)		22	mg/L			10	mg/L
1007	BARIUM (Total)		12	ug/L	2000	2000	10	ug/L
1045	IRON (Total)		490	ug/L	3	3	40	ug/L
1092	ZINC (Total)		52	ug/L	5000	5000	20	ug/L
32211	Chlorophyll A		1.8	ug/L			1	ug/L
46570	TOTAL HARDNESS as CaCO3		34	mg/L			1.2	mg/L
70300	Total Dissolved Solids		110	mg/L	500	500	5	mg/L
80082	BOD 5-Day		3.86	mg/L			2	mg/L

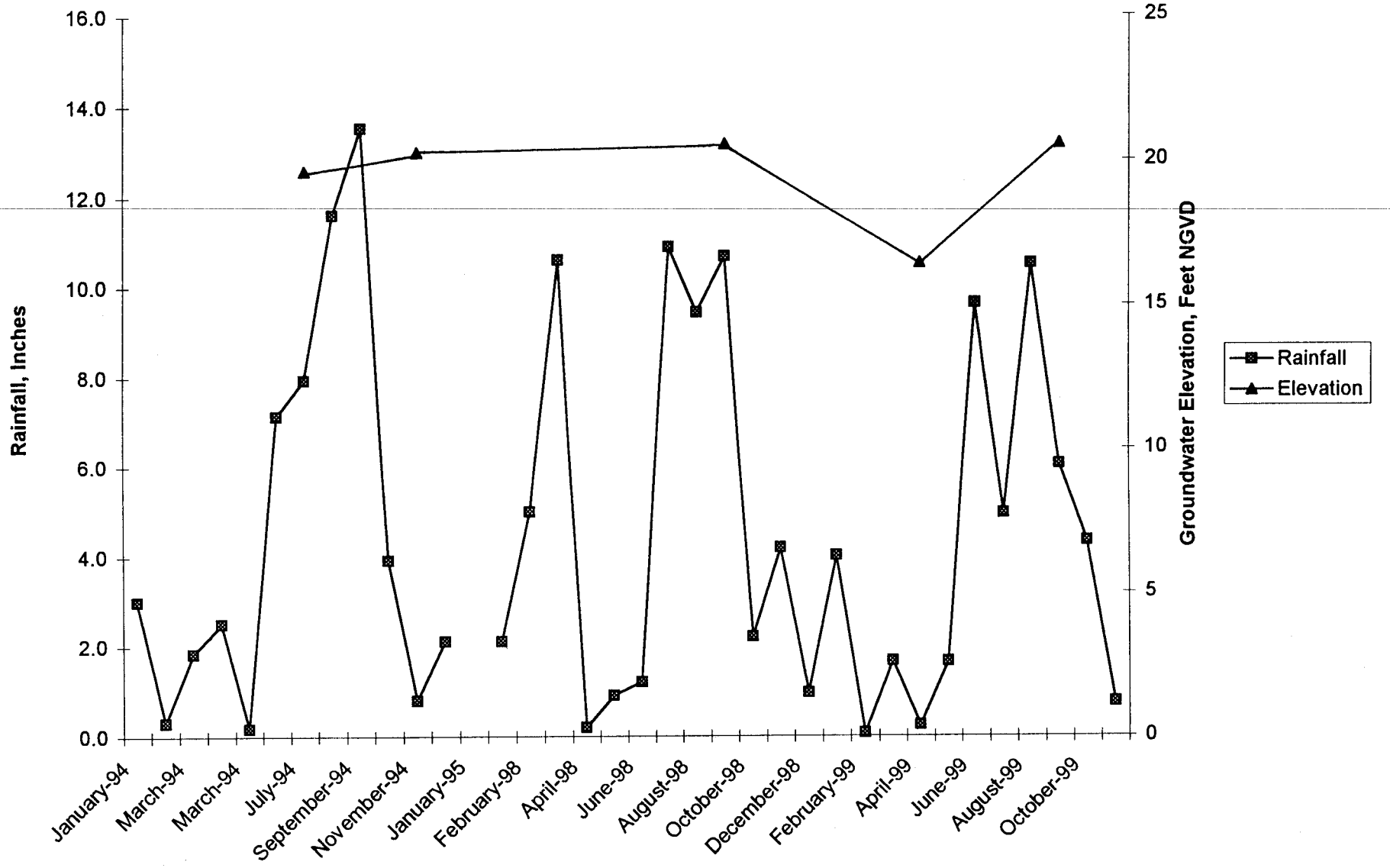

Figure No. B-1
Sarasota County
Central County Solid Waste Disposal Complex
MW-1 Hydrograph

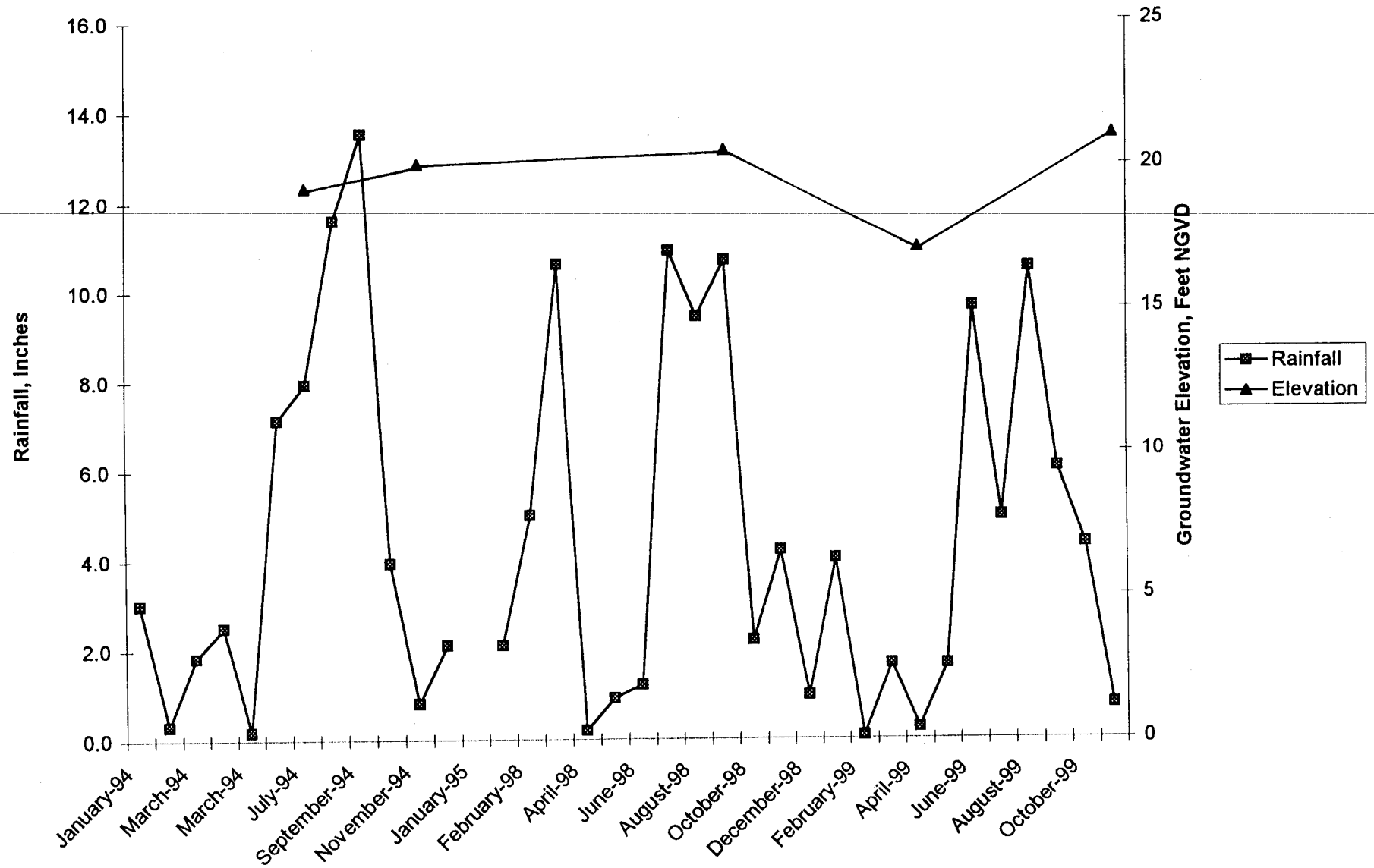

Figure No. B-2
Sarasota County
Central County Solid Waste Disposal Complex
MW-2 Hydrograph

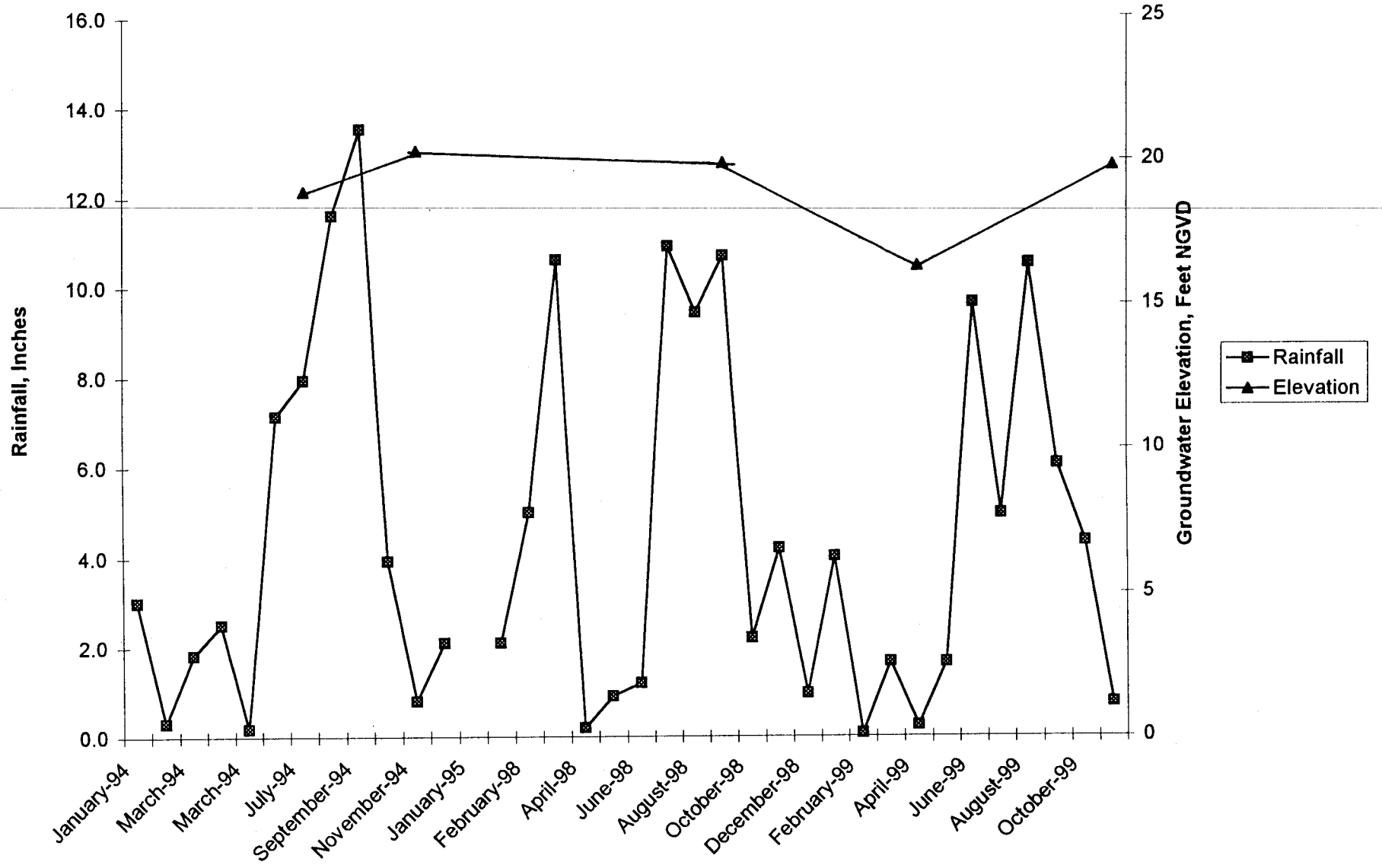

Figure No. B-3
Sarasota County
Central County Solid Waste Disposal Complex
MW-4 Hydrograph

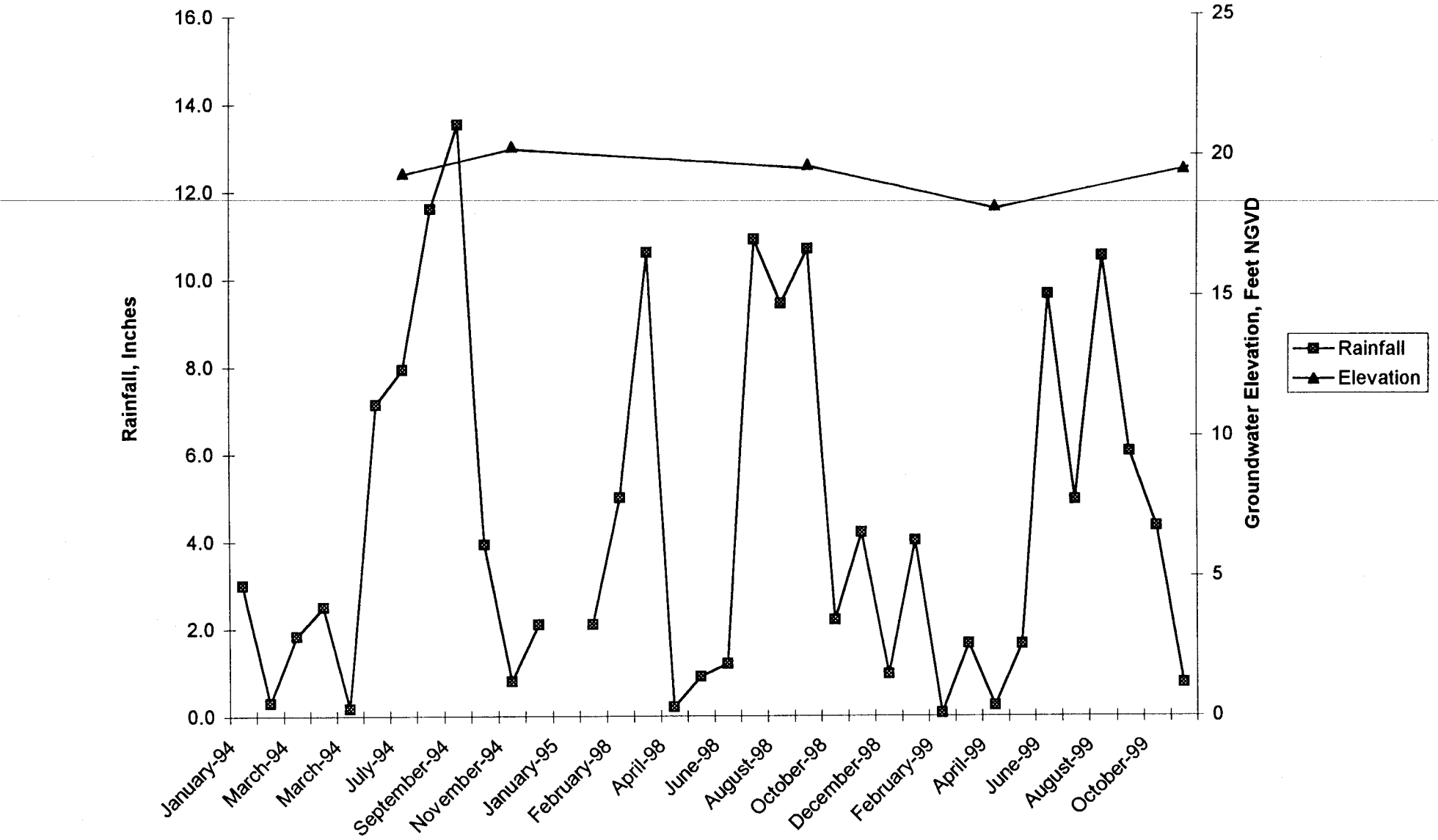

Figure No. B-4
Sarasota County
Central County Solid Waste Disposal Complex
MW-8 Hydrograph

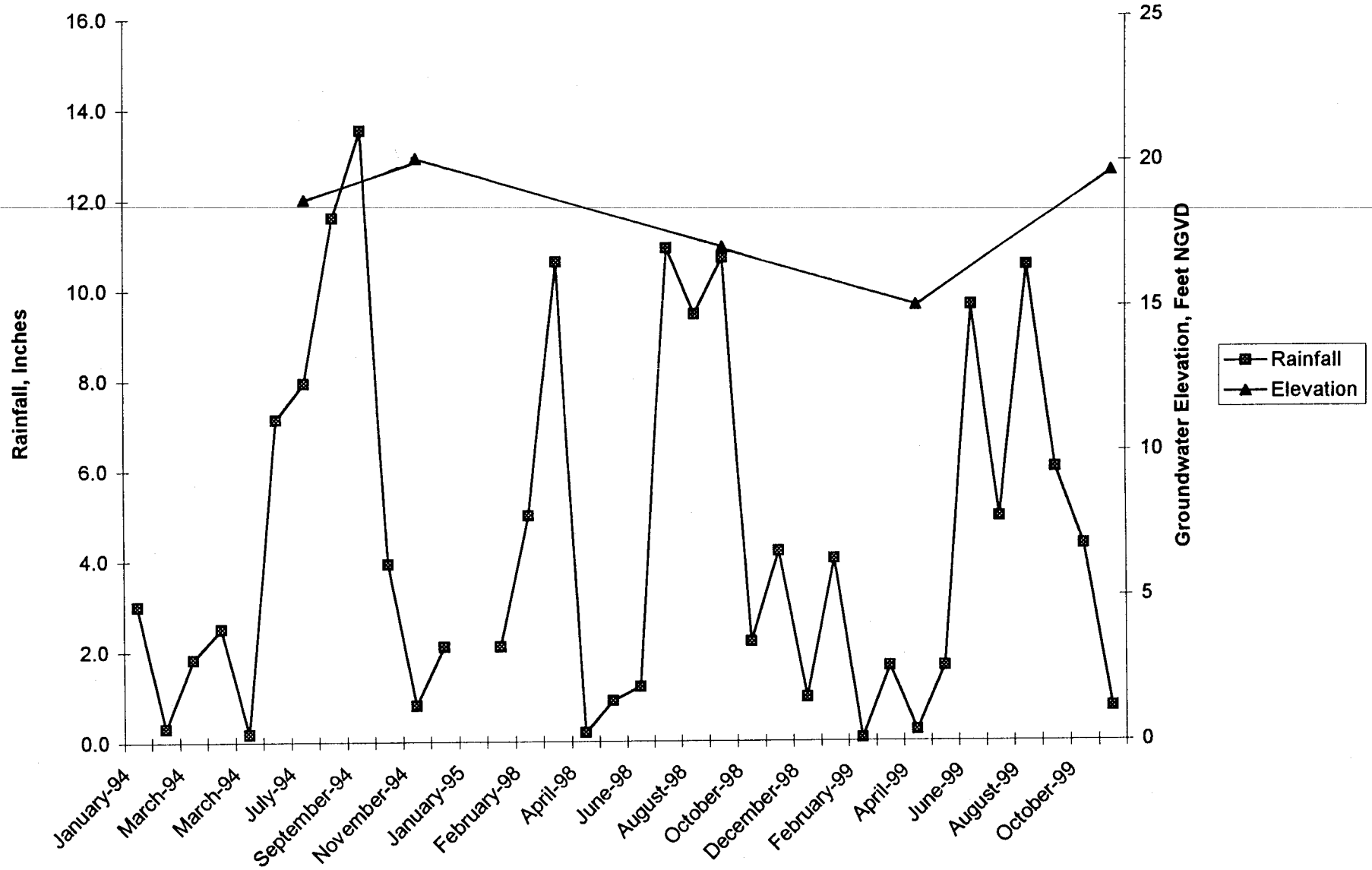

Figure No. B-5
Sarasota County
Solid Waste Disposal Complex
MW-9 Hydrograph

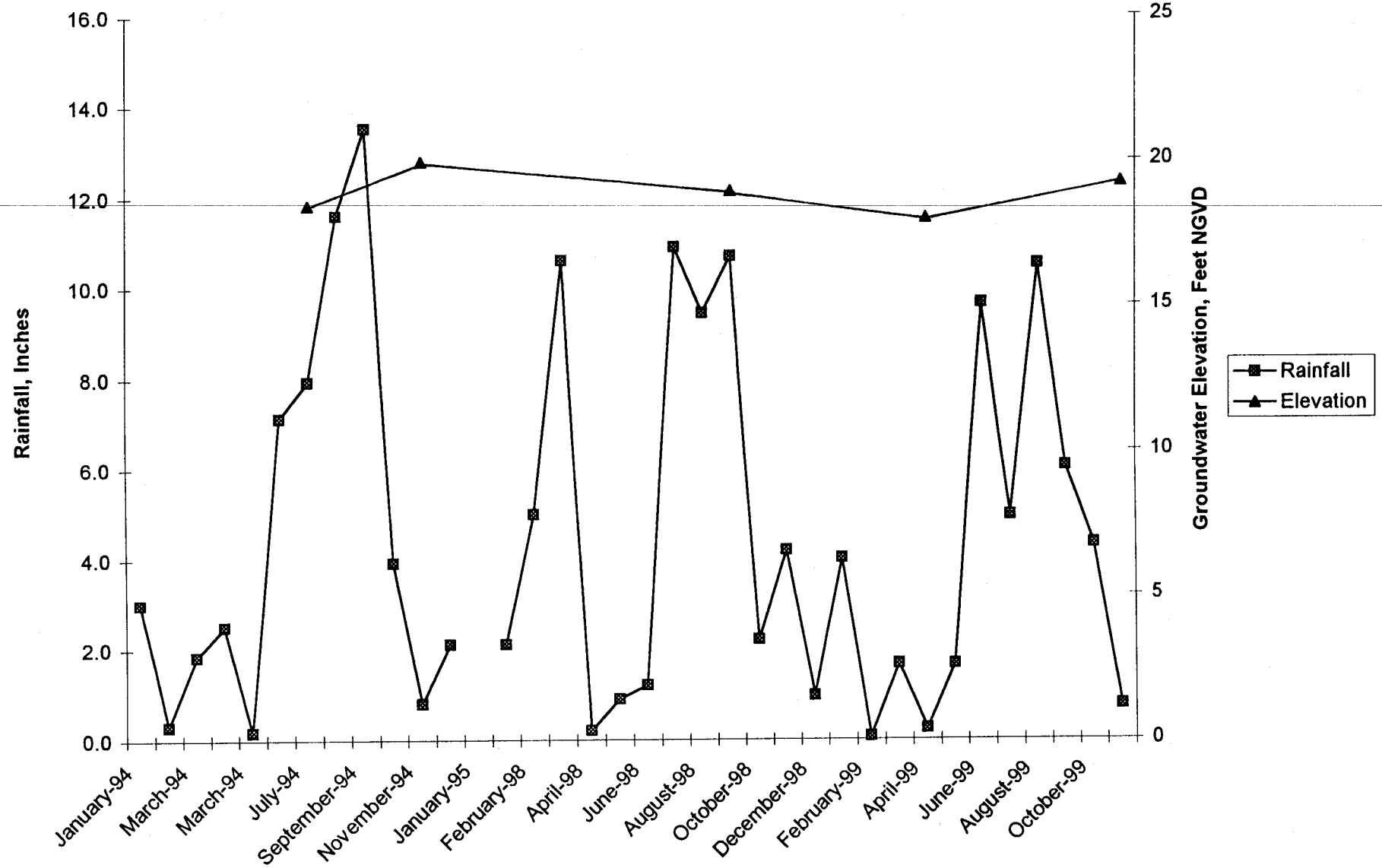

Figure No. B-6
Sarasota County
Central County Solid Waste Complex
MW-10 Hydrograph

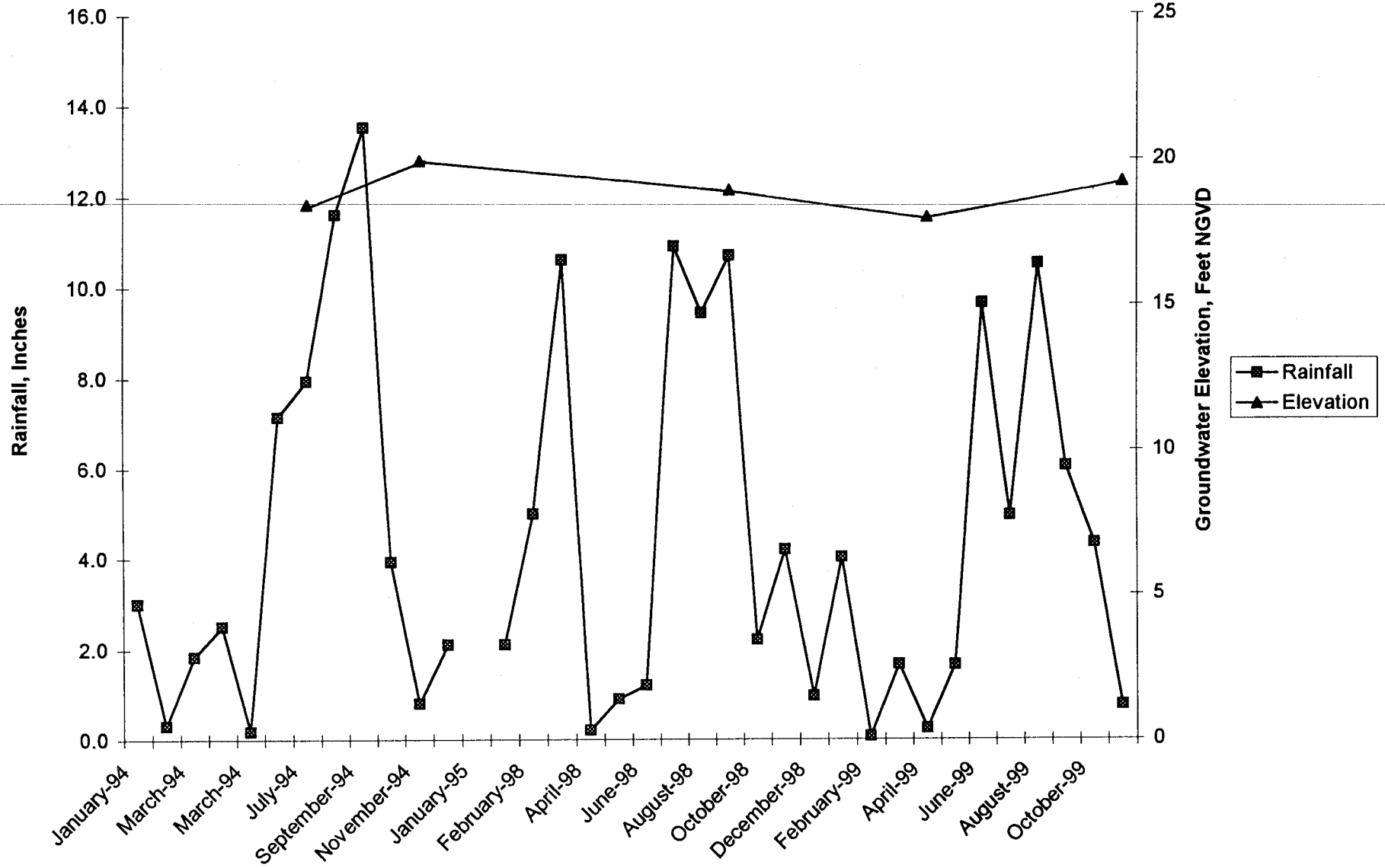

Figure No. B-7
Sarasota County
Central County Solid Waste Disposal Complex
MW-11 Hydrograph

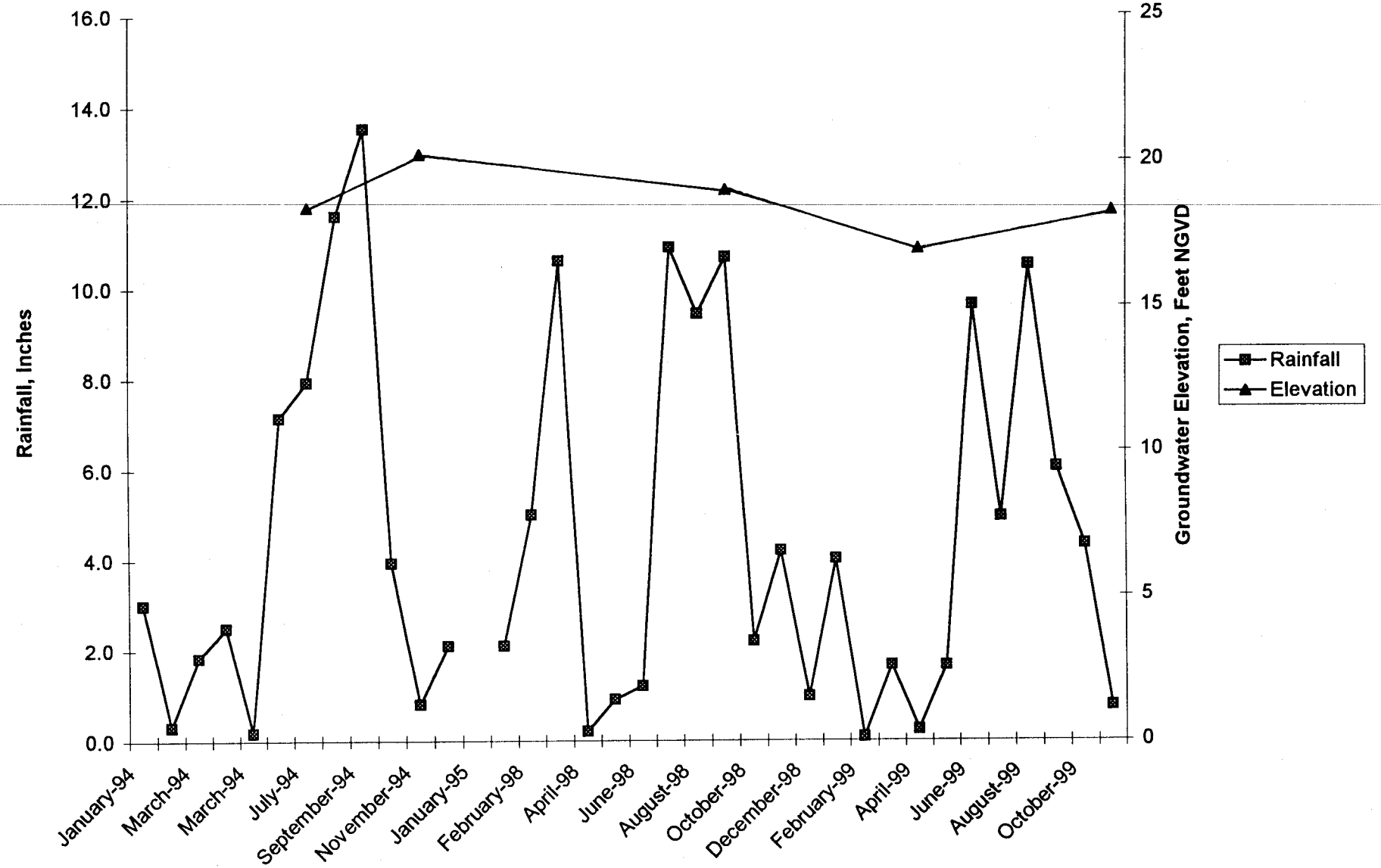

Figure No. B-8
Sarasota County
Central County Solid Waste Disposal Complex
MW-12 Hydrograph

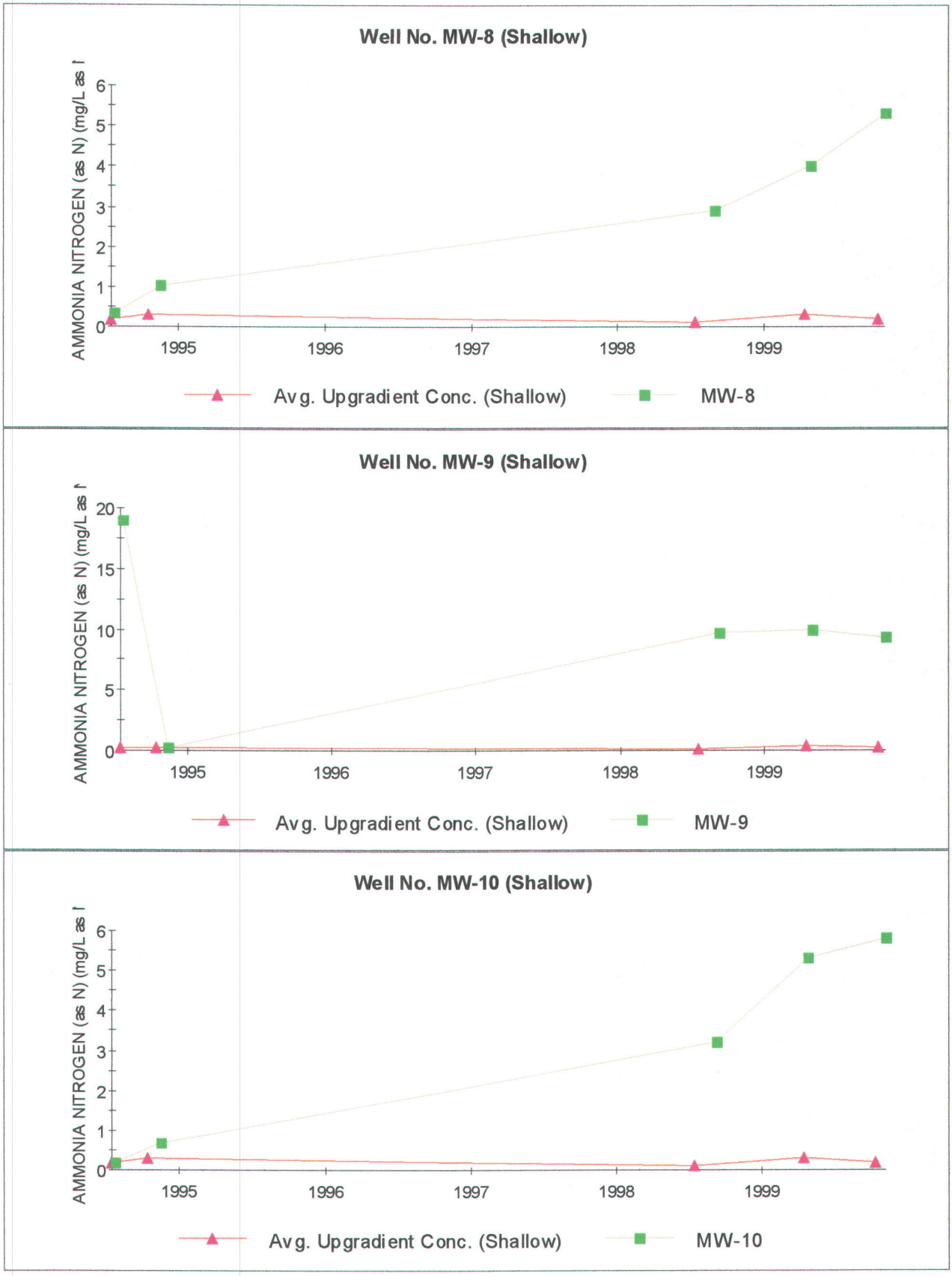

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Figure No. C-1
Ammonia Nitrogen Trend Analysis

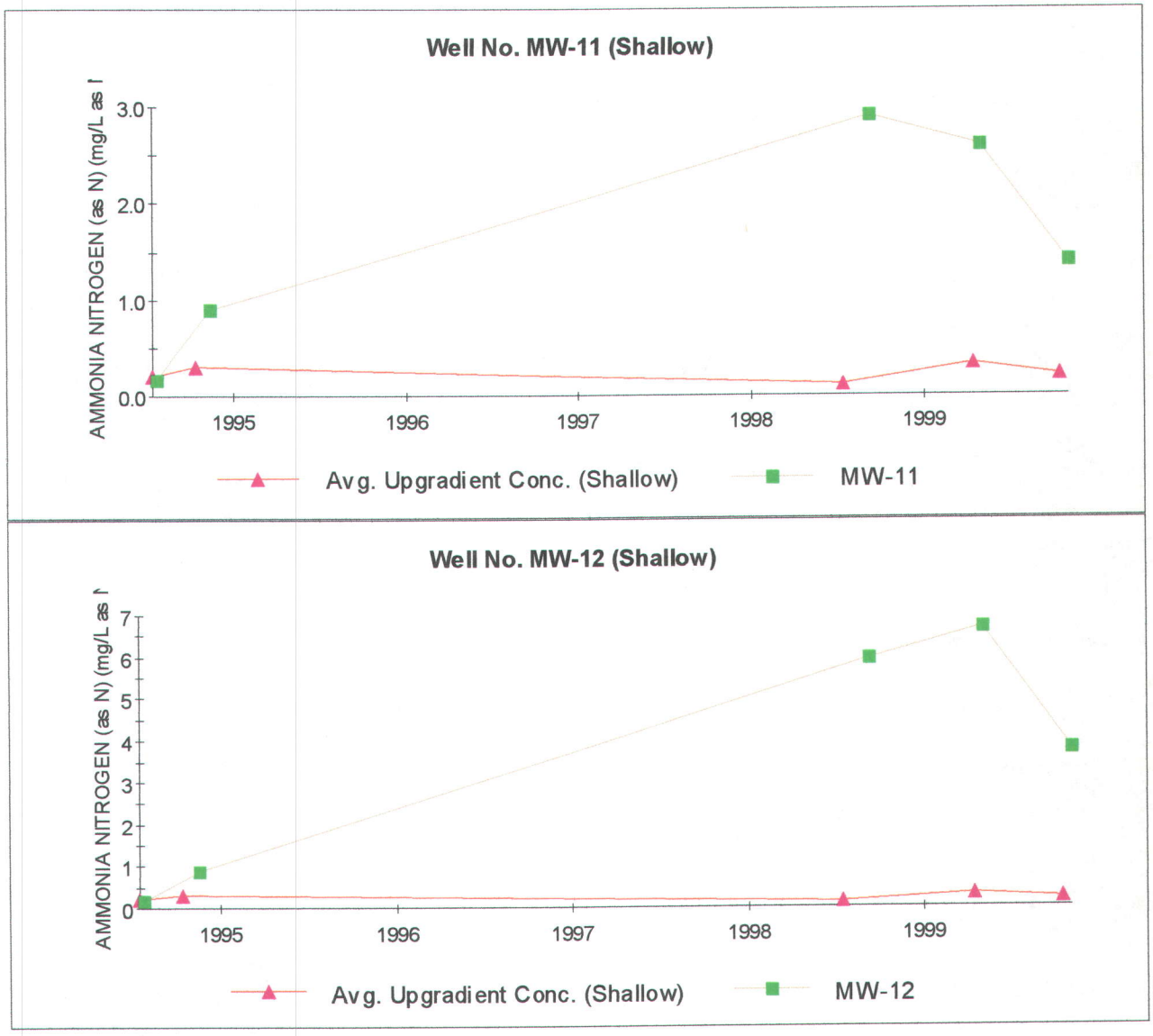
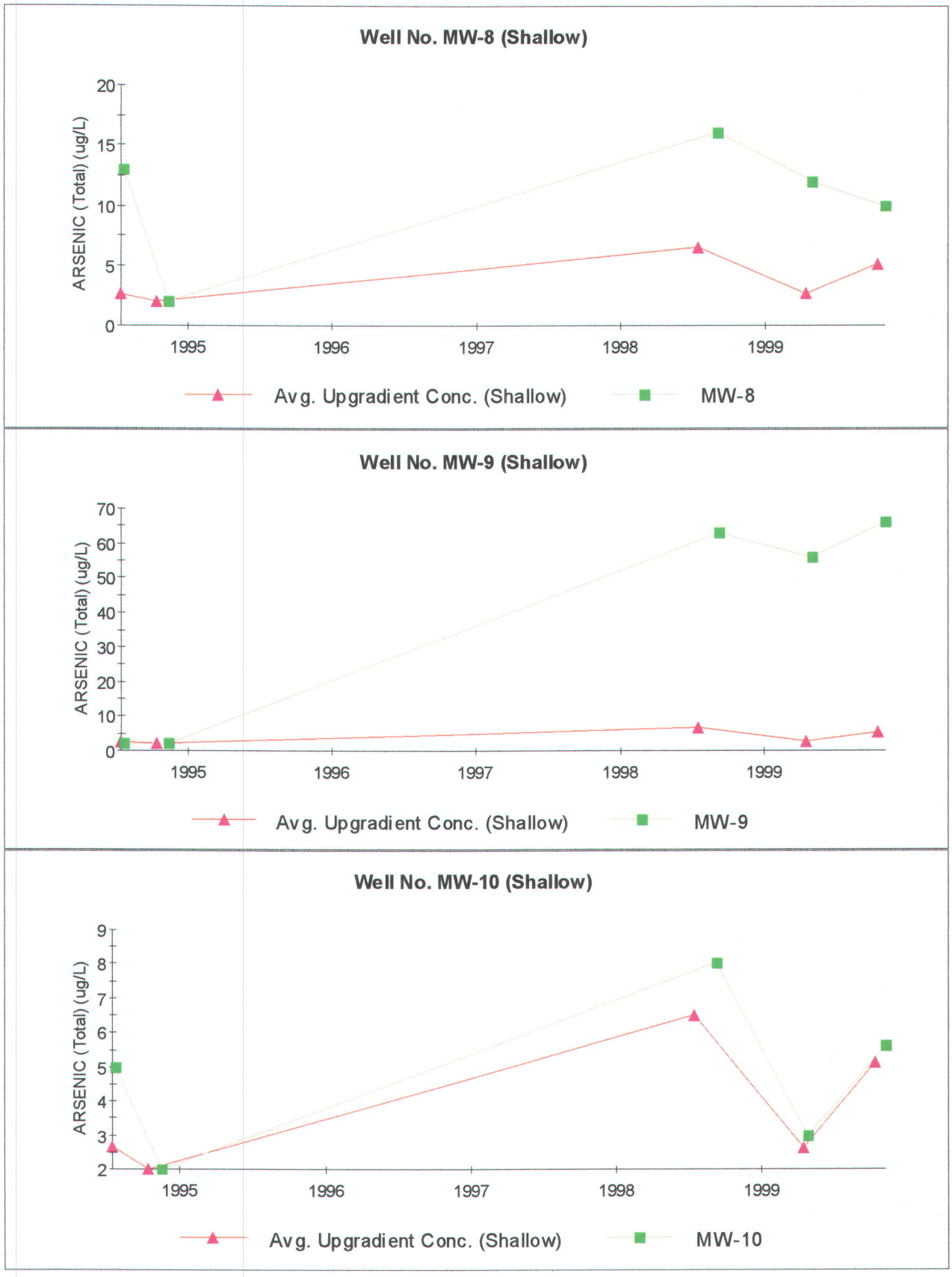
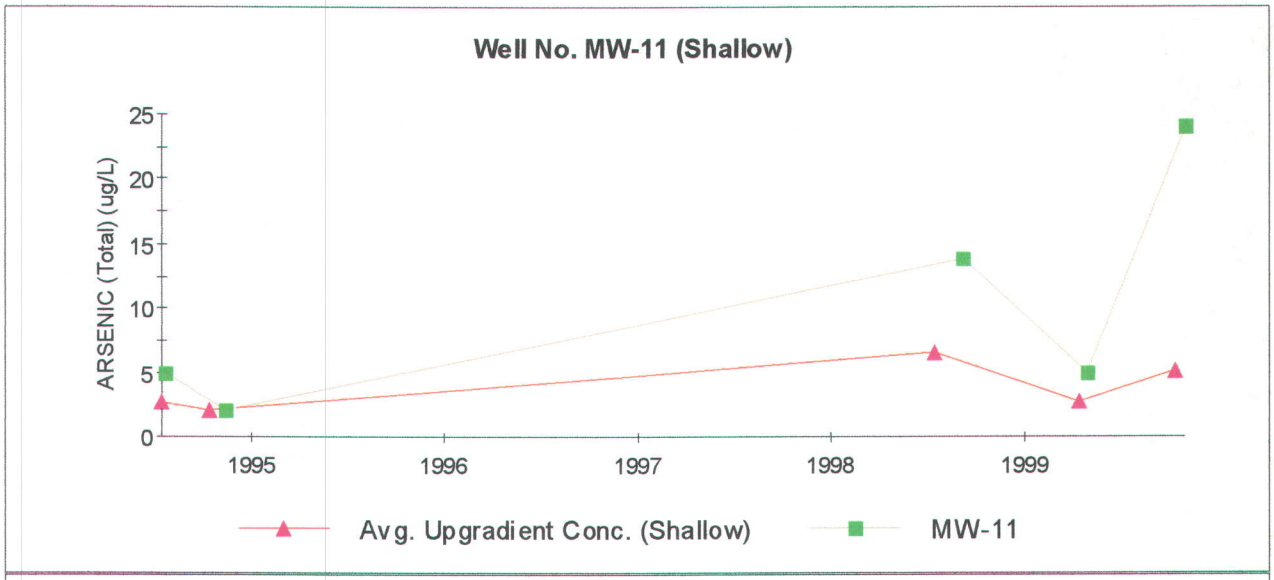


Figure No. C-1
Ammonia Nitrogen Trend Analysis



Central County Solid Waste Disposal Complex

Figure No. C-2
Arsenic Trend Analysis



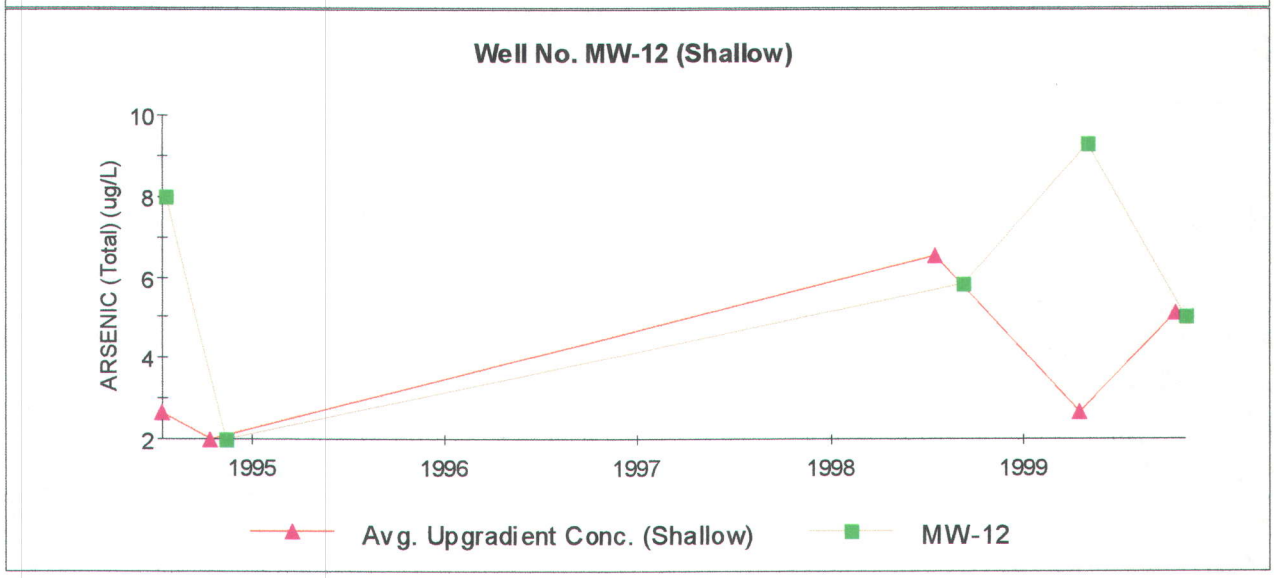
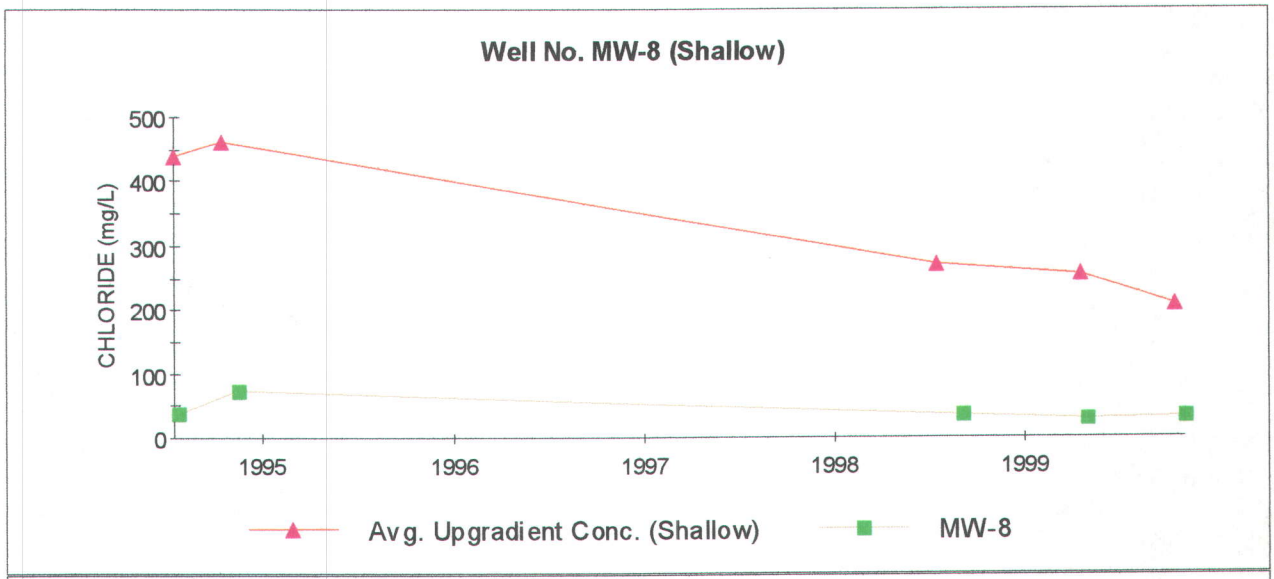
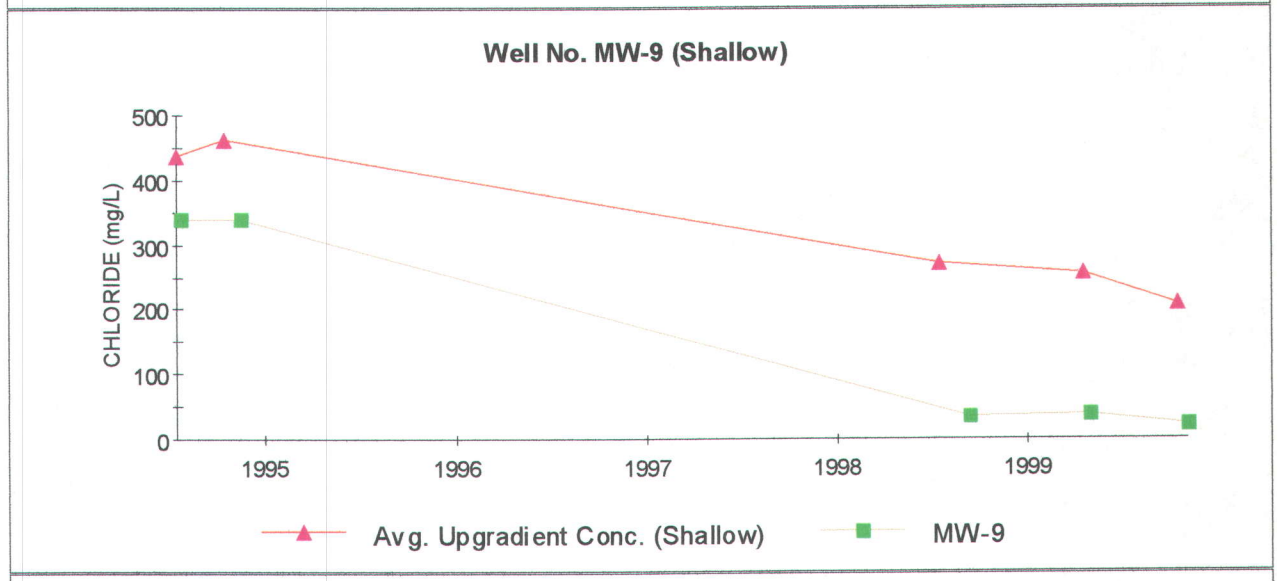
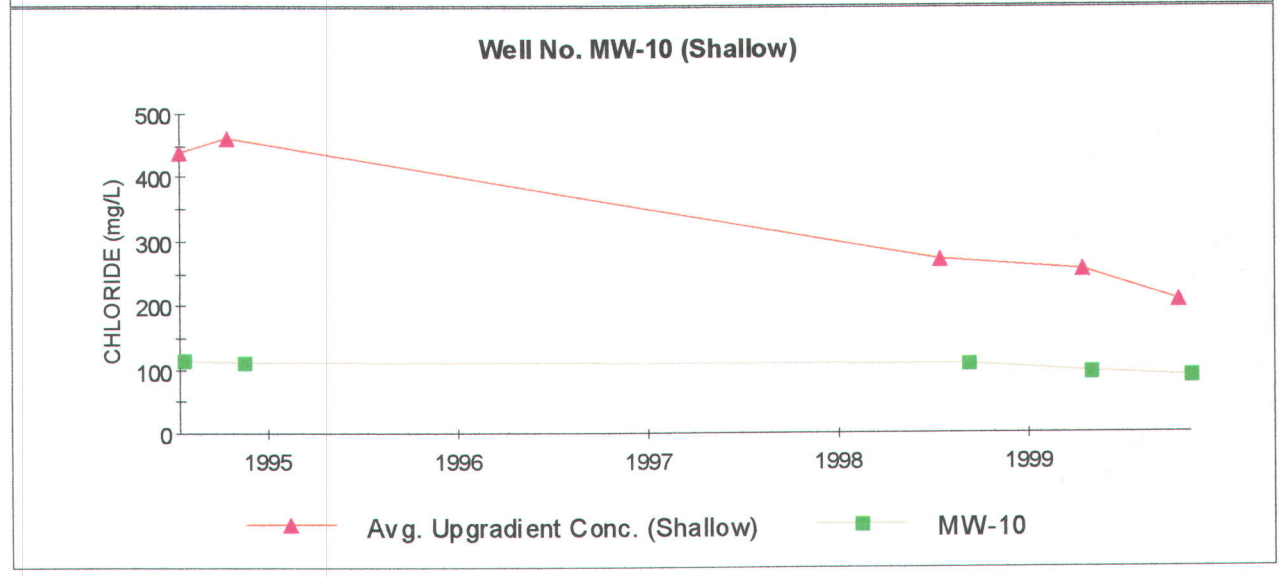


Figure No. C-2
Arsenic Trend Analysis

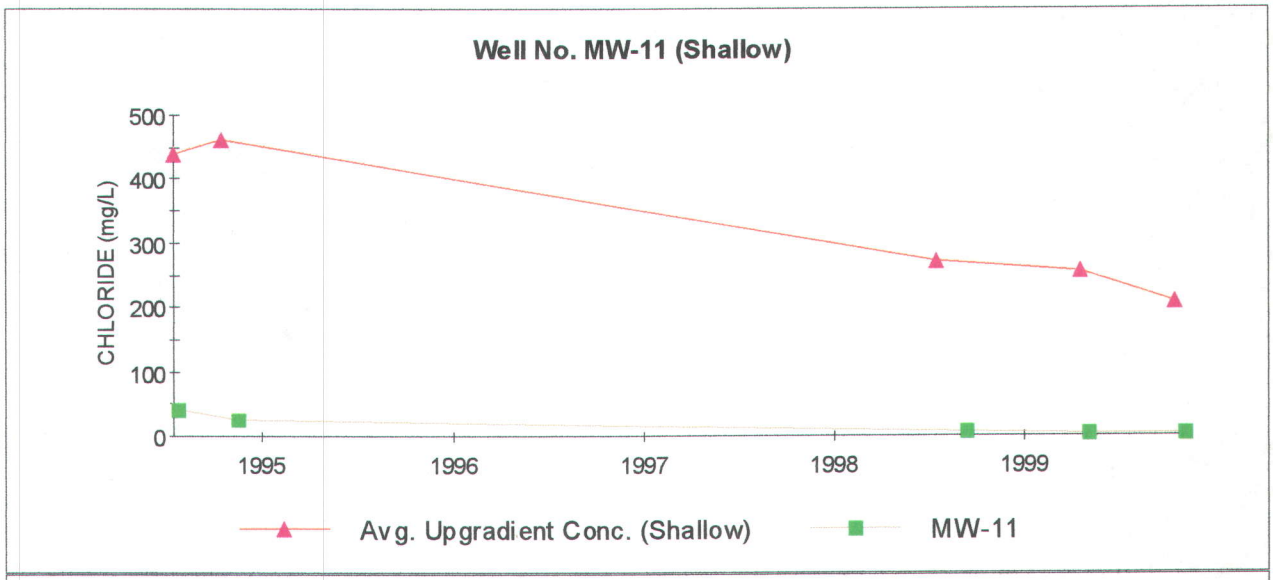






Central County Solid Waste Disposal Complex

Figure No. C-3
Chloride Trend Analysis



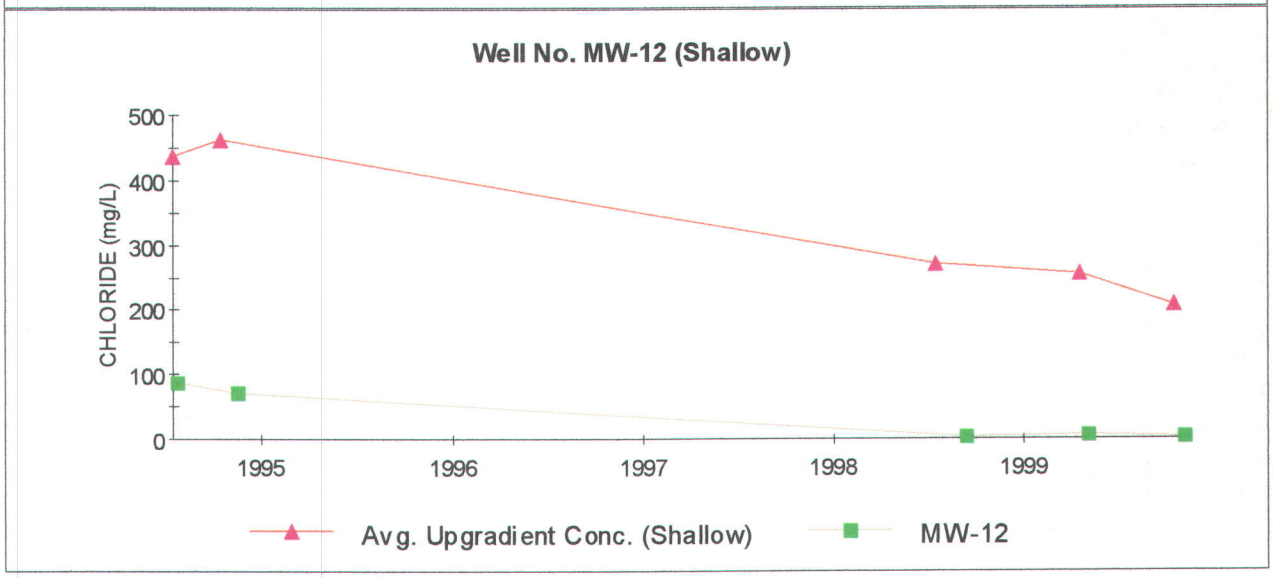


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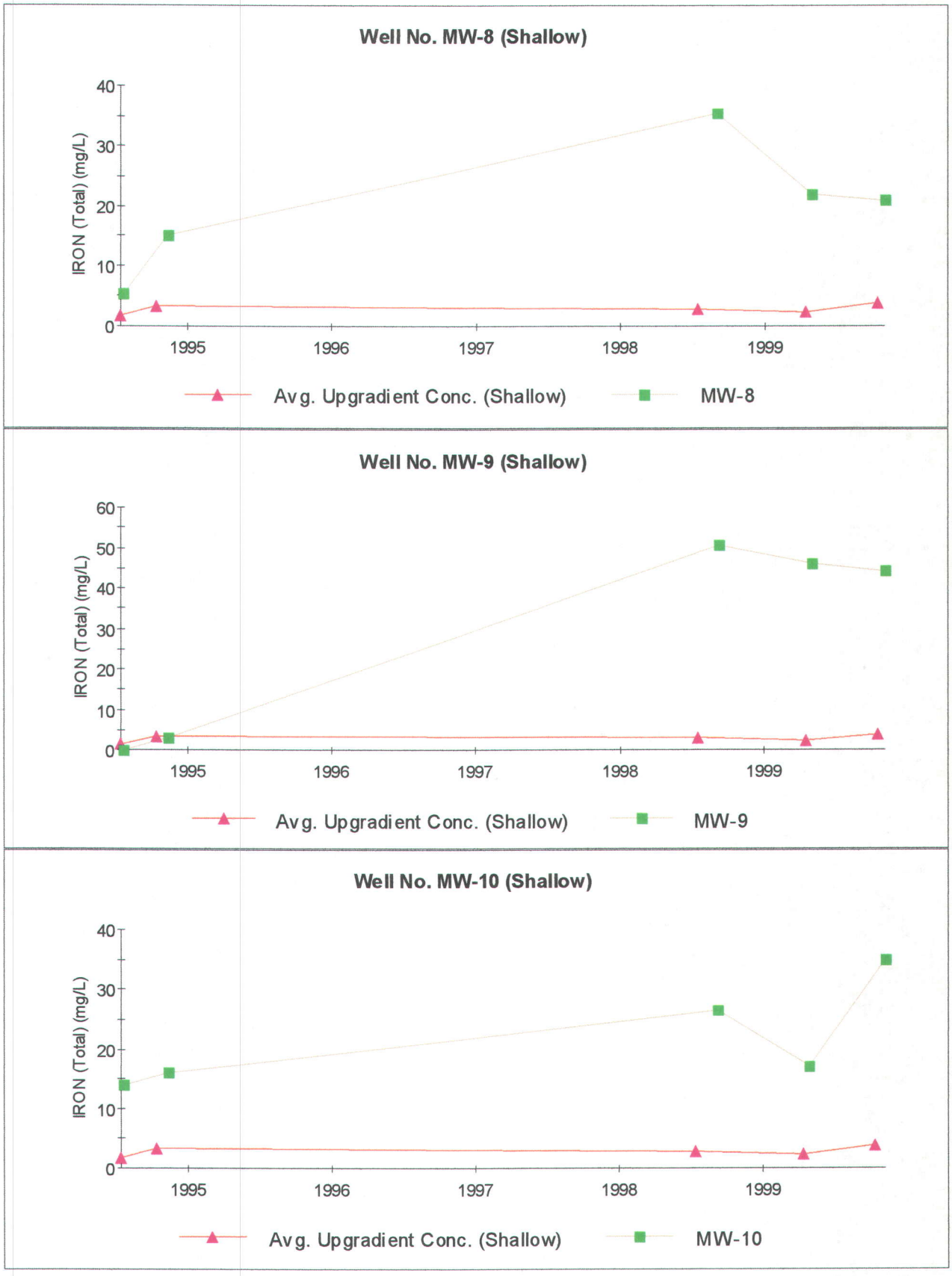
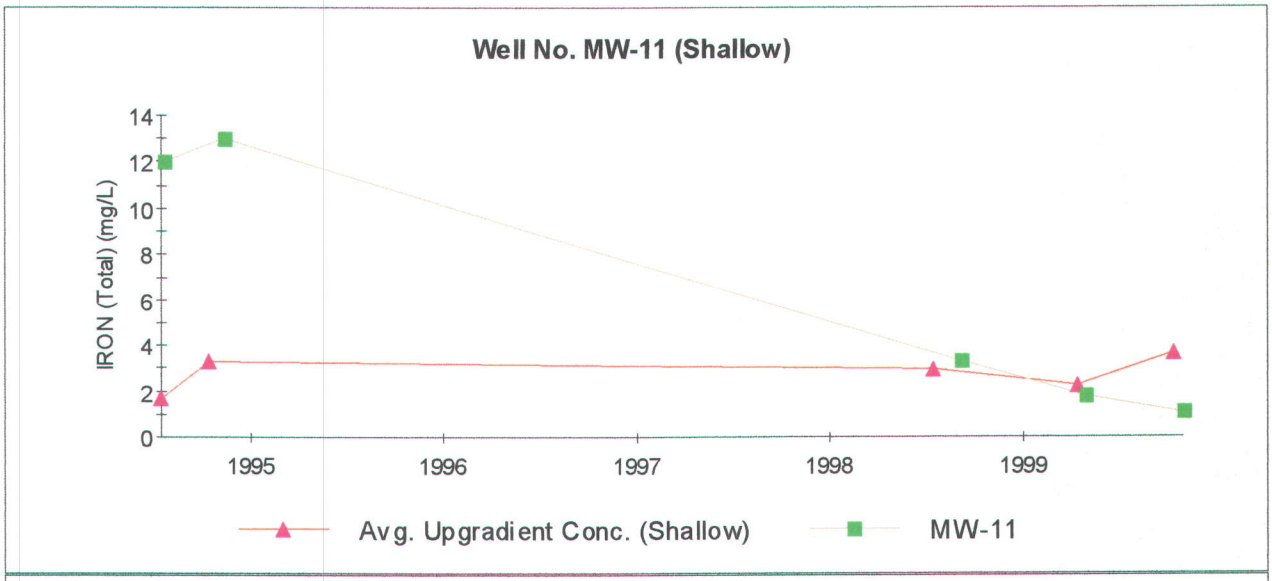
Figure No. C-3
Chloride Trend Analysis



Central County Solid Waste Disposal Complex

Figure No. C-4
Iron Trend Analysis



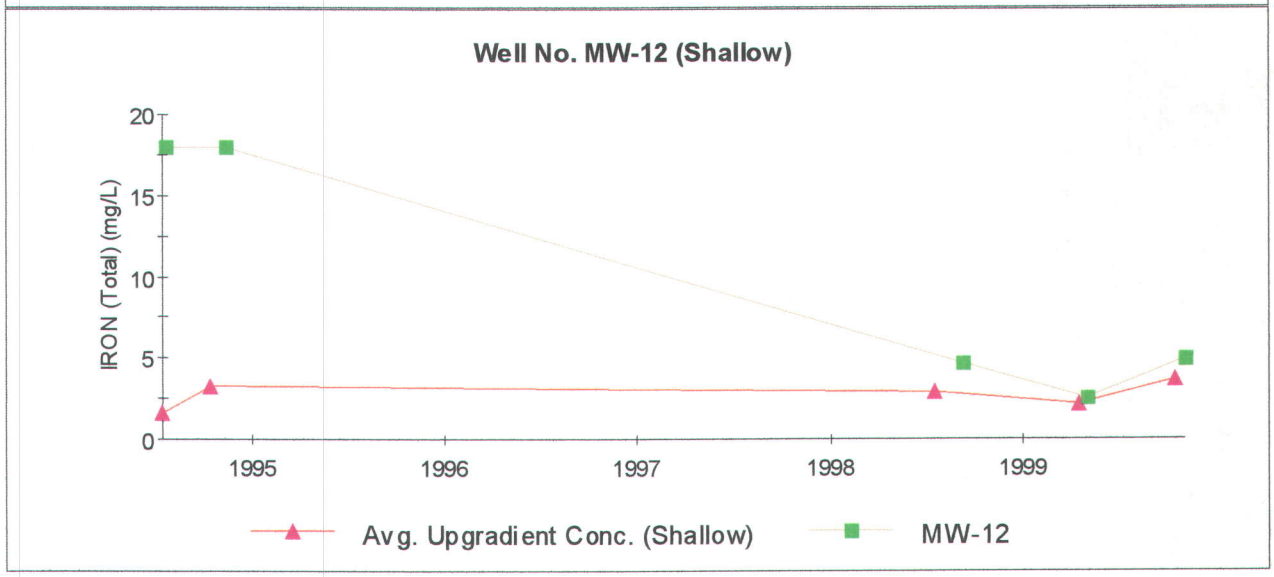
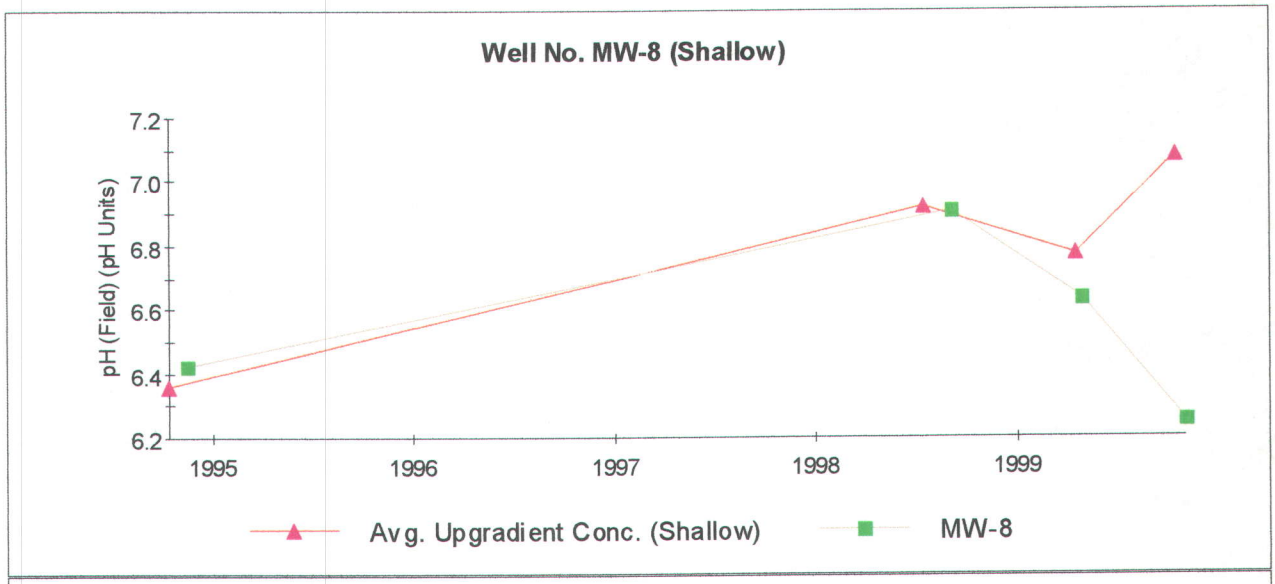
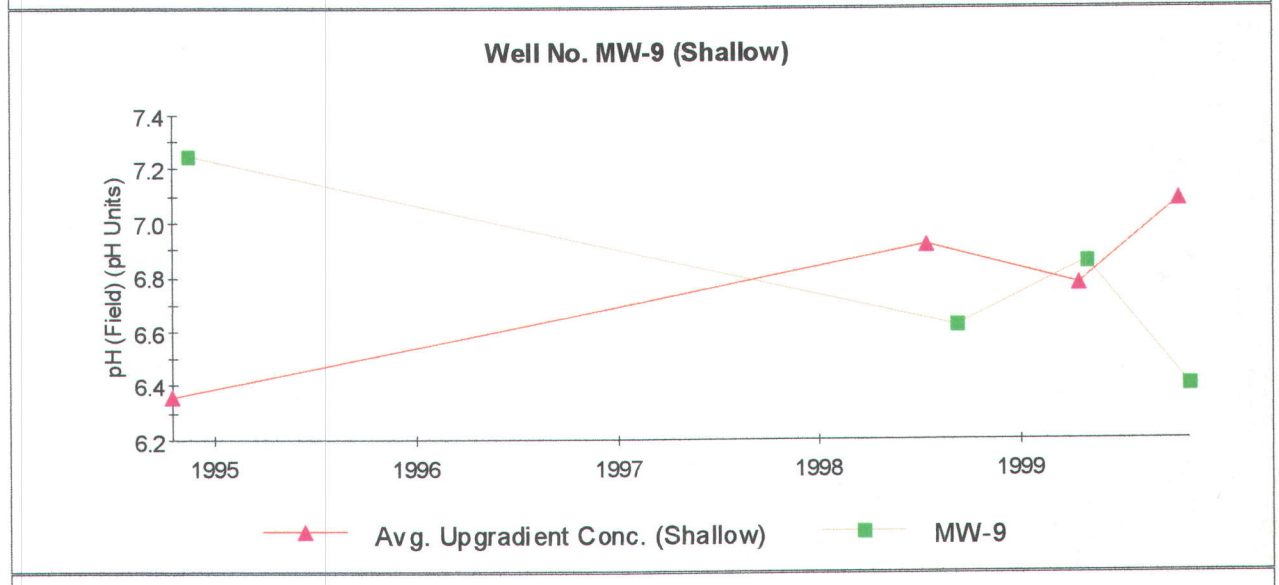


Figure No. C-4
Iron Trend Analysis





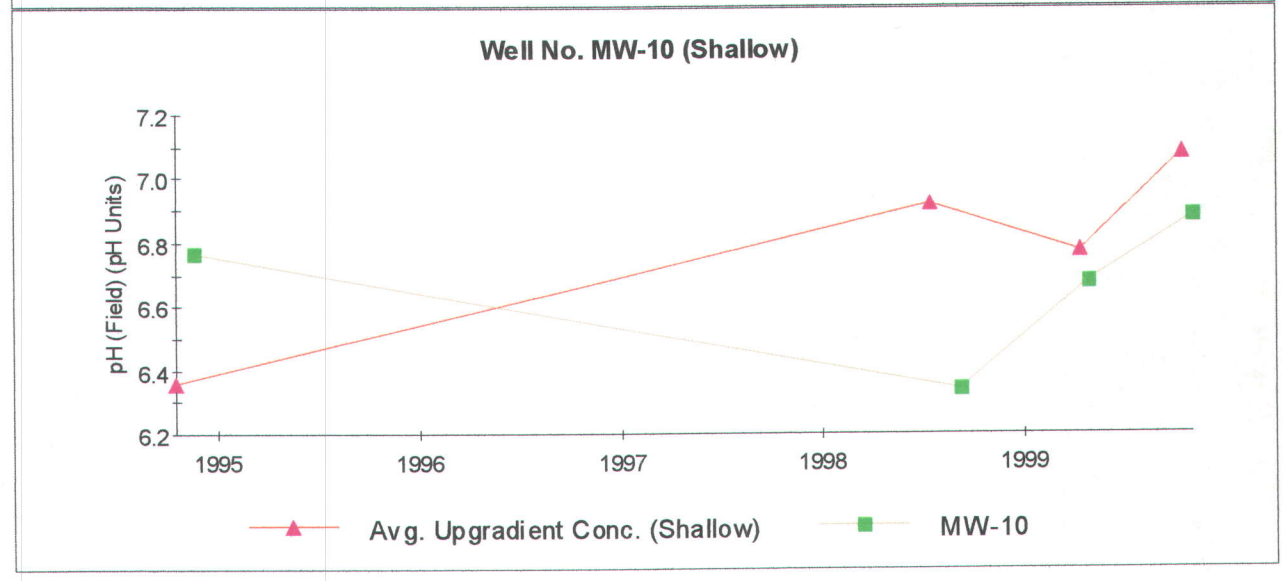


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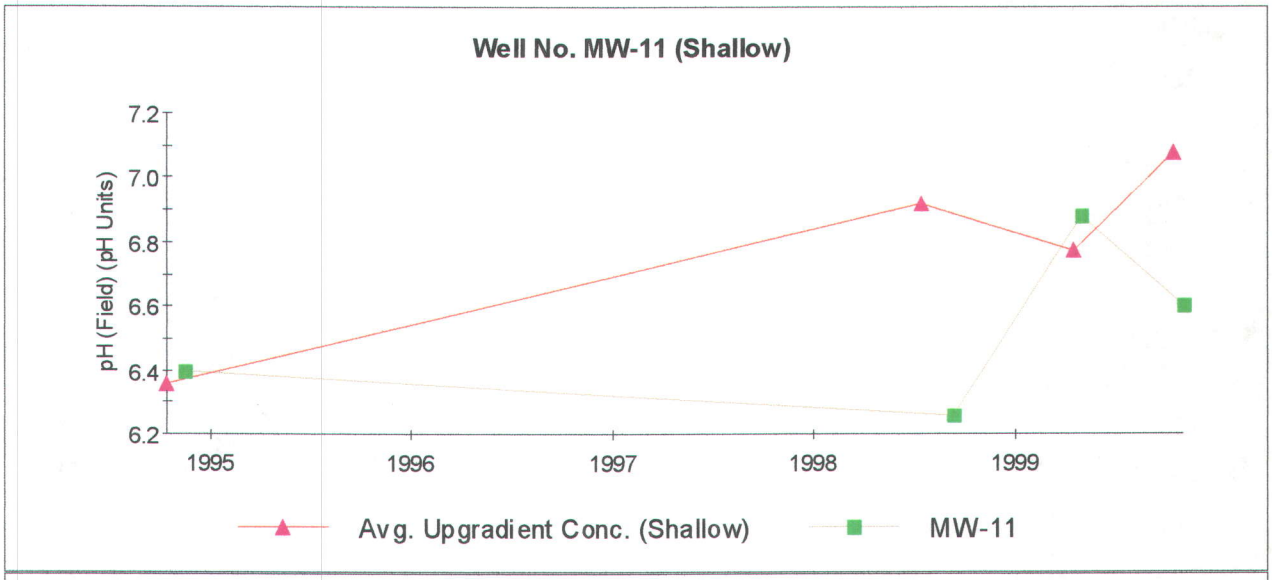
Figure No. C-5
pH Trend Analysis



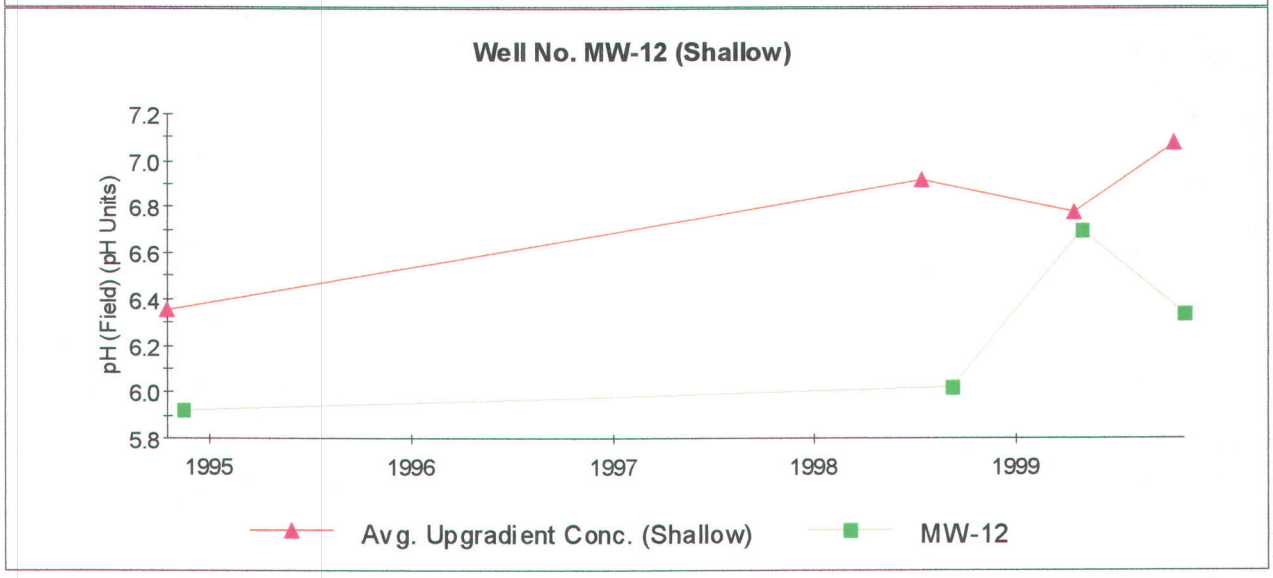


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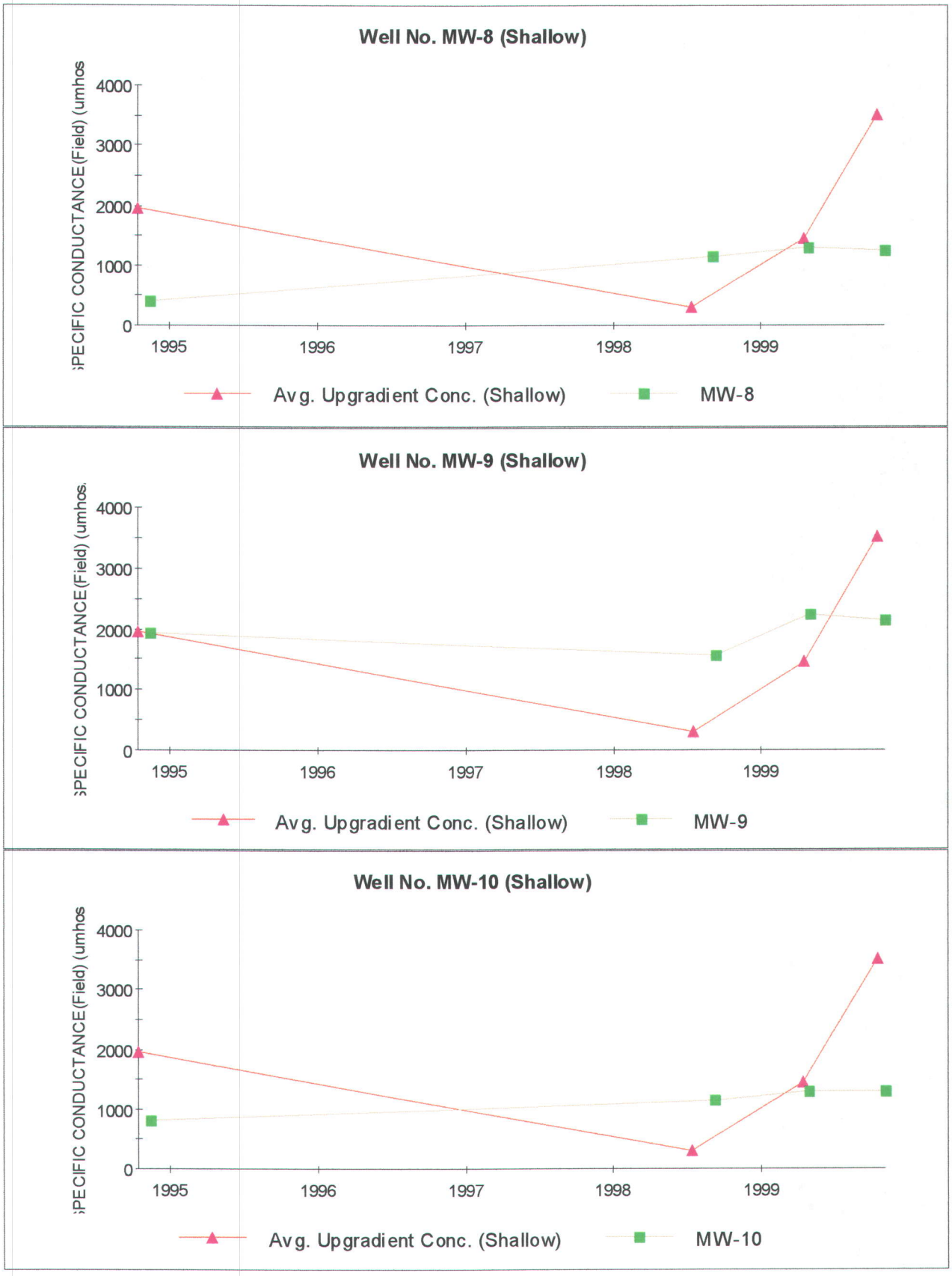
Figure No. C-5
pH Trend Analysis



Central County Solid Waste Disposal Complex

Figure No. C-6

Specific Conductance Trend Analysis

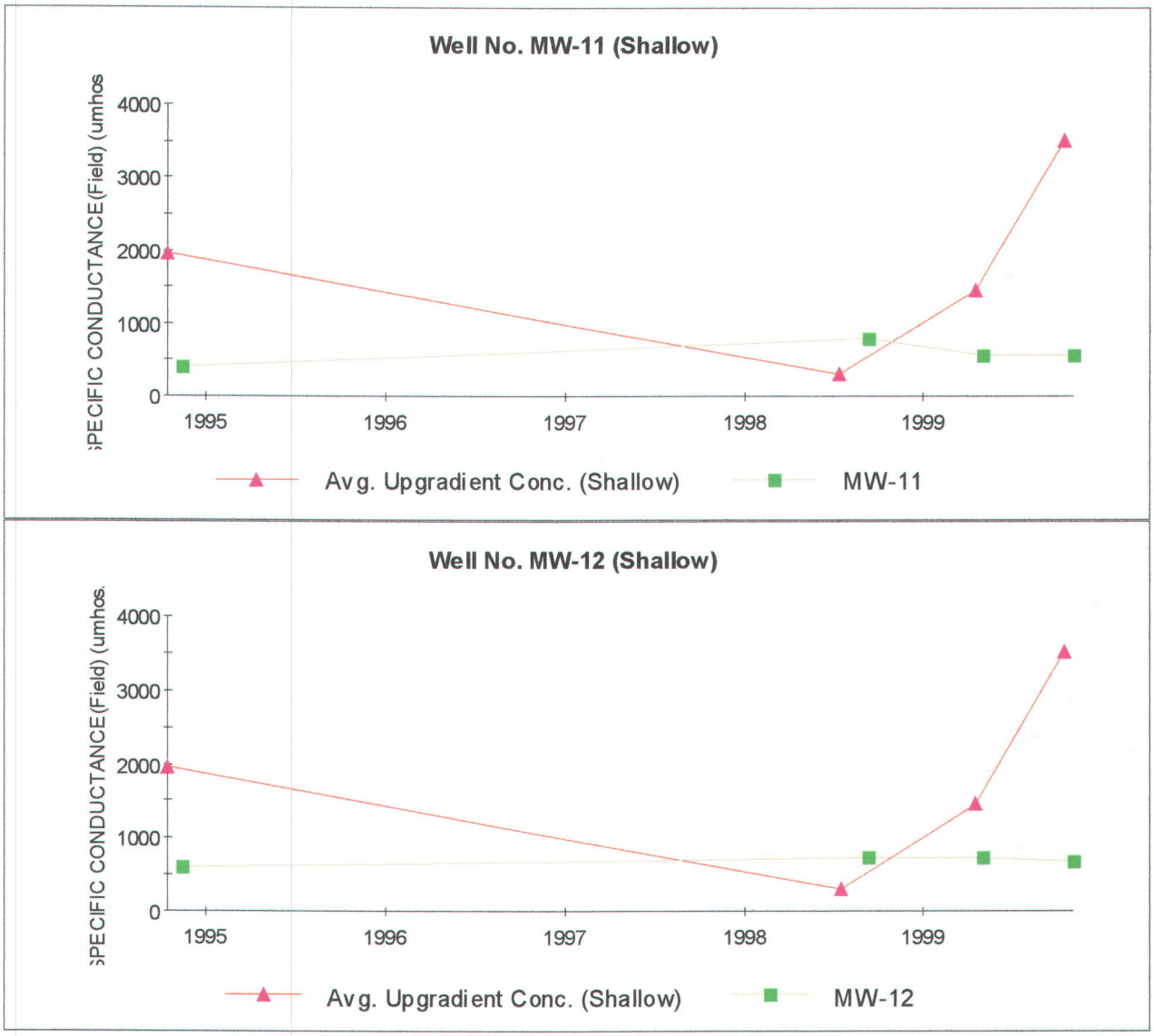


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Figure No. C-6
Specific Conductance Trend Analysis

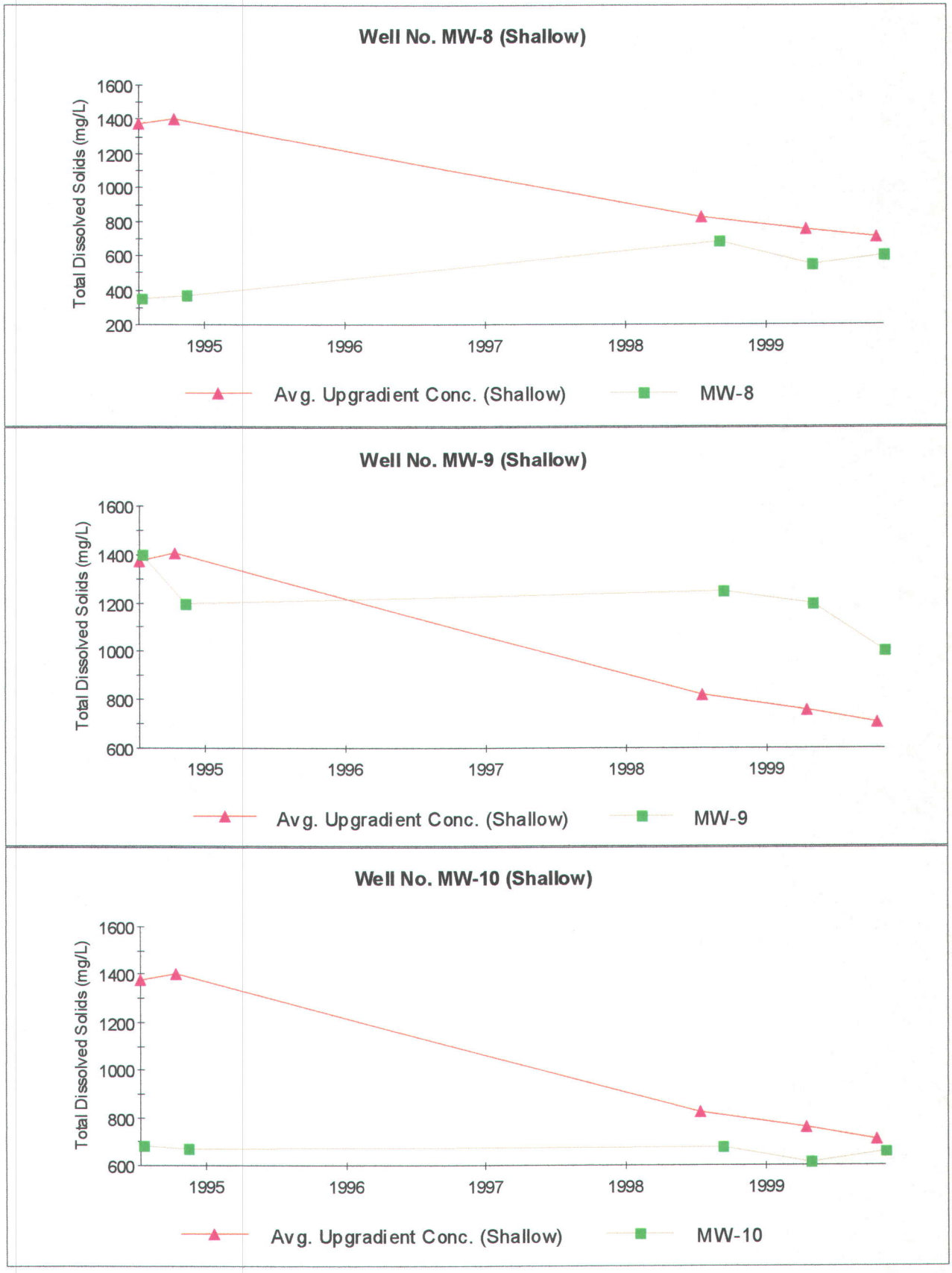

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Figure No. C-7
Total Dissolved Solids Trend Analysis

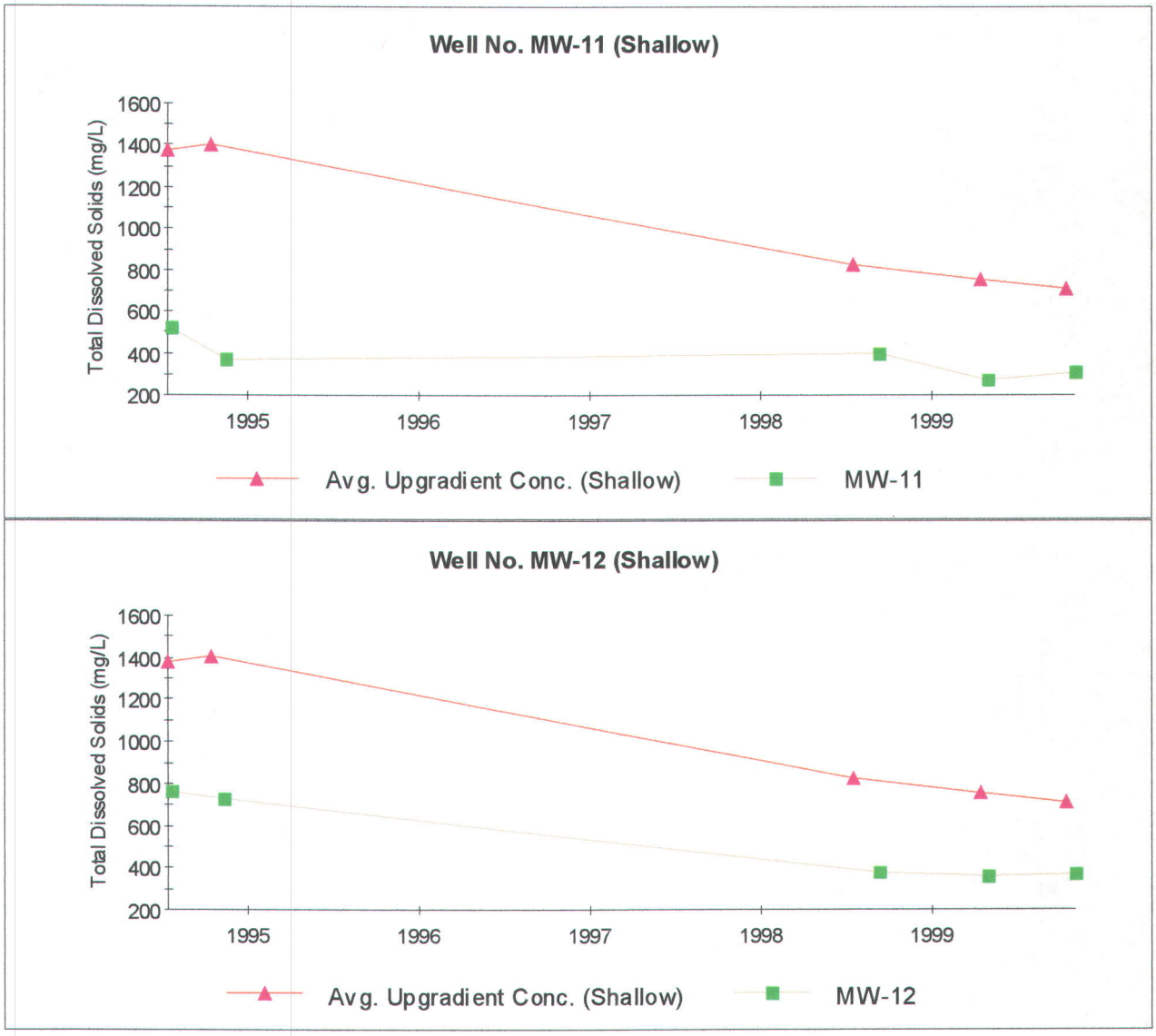

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Figure No. C-7
Total Dissolved Solids Trend Analysis