

Attachment L-2
HELP Iterations

HELP RESULTS

ITERATION NO. 1

LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 9

THICKNESS	=	120.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.3196	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.190000006000E-03	CM/SEC

LAYER 3

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS	=	24.00	INCHES
POROSITY	=	0.4570	VOL/VOL
FIELD CAPACITY	=	0.1310	VOL/VOL
WILTING POINT	=	0.0580	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2109	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.100000005000E-02	CM/SEC

LAYER 4

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	0.28	INCHES
POROSITY	=	0.8500	VOL/VOL
FIELD CAPACITY	=	0.0100	VOL/VOL
WILTING POINT	=	0.0050	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0118	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	71.5999985000	CM/SEC
SLOPE	=	1.93	PERCENT
DRAINAGE LENGTH	=	150.0	FEET

LAYER 5

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.06	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL
WILTING POINT	=	0.0000	VOL/VOL

INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 6

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 17

THICKNESS = 0.17 INCHES
POROSITY = 0.7500 VOL/VOL
FIELD CAPACITY = 0.7470 VOL/VOL
WILTING POINT = 0.4000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.7500 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.300000003000E-08 CM/SEC

LAYER 7

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.25 INCHES
POROSITY = 0.8500 VOL/VOL
FIELD CAPACITY = 0.0100 VOL/VOL
WILTING POINT = 0.0050 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0100 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 31.5000000000 CM/SEC
SLOPE = 1.93 PERCENT
DRAINAGE LENGTH = 150.0 FEET

LAYER 8

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 36

THICKNESS = 0.06 INCHES
POROSITY = 0.0000 VOL/VOL
FIELD CAPACITY = 0.0000 VOL/VOL
WILTING POINT = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 9

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	6.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.5010	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.189999992000E-04	CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS USER-SPECIFIED.

SCS RUNOFF CURVE NUMBER	=	83.31	
FRACTION OF AREA ALLOWING RUNOFF	=	0.0	PERCENT
AREA PROJECTED ON HORIZONTAL PLANE	=	1.000	ACRES
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
INITIAL WATER IN EVAPORATIVE ZONE	=	2.746	INCHES
UPPER LIMIT OF EVAPORATIVE STORAGE	=	4.776	INCHES
LOWER LIMIT OF EVAPORATIVE STORAGE	=	1.632	INCHES
INITIAL SNOW WATER	=	0.000	INCHES
INITIAL WATER IN LAYER MATERIALS	=	49.299	INCHES
TOTAL INITIAL WATER	=	49.299	INCHES
TOTAL SUBSURFACE INFLOW	=	0.00	INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM
JACKSONVILLE FLORIDA

STATION LATITUDE	=	30.50	DEGREES
MAXIMUM LEAF AREA INDEX	=	0.00	
START OF GROWING SEASON (JULIAN DATE)	=	0	
END OF GROWING SEASON (JULIAN DATE)	=	367	
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
AVERAGE ANNUAL WIND SPEED	=	8.20	MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY	=	73.00	%
AVERAGE 2ND QUARTER RELATIVE HUMIDITY	=	72.00	%
AVERAGE 3RD QUARTER RELATIVE HUMIDITY	=	79.00	%
AVERAGE 4TH QUARTER RELATIVE HUMIDITY	=	78.00	%

NOTE: PRECIPITATION DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR JACKSONVILLE FLORIDA
 AND STATION LATITUDE = 30.50 DEGREES

ANNUAL TOTALS FOR YEAR 1986

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	48.53	176163.875	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.557	118180.953	67.09
DRAINAGE COLLECTED FROM LAYER 4	16.0340	58203.297	33.04
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0008		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.061	-220.284	-0.13
SOIL WATER AT START OF YEAR	49.299	178955.125	
SOIL WATER AT END OF YEAR	49.238	178734.844	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.114	0.00

ANNUAL TOTALS FOR YEAR 1987

	INCHES	CU. FEET	PERCENT
PRECIPITATION	53.97	195911.125	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.584	118278.758	60.37
DRAINAGE COLLECTED FROM LAYER 4	22.3580	81159.719	41.43
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0012		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.972	-3527.433	-1.80
SOIL WATER AT START OF YEAR	49.238	178734.844	
SOIL WATER AT END OF YEAR	48.267	175207.406	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.059	0.00

ANNUAL TOTALS FOR YEAR 1988

	INCHES	CU. FEET	PERCENT
PRECIPITATION	59.02	214242.609	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.858	119275.461	55.67
DRAINAGE COLLECTED FROM LAYER 4	25.6720	93189.453	43.50
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00

AVG. HEAD ON TOP OF LAYER 5	0.0013		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.016	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.490	1777.667	0.83
SOIL WATER AT START OF YEAR	48.267	175207.406	
SOIL WATER AT END OF YEAR	48.756	176985.078	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.003	0.00

ANNUAL TOTALS FOR YEAR 1989

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	42.80	155364.016	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	31.741	115219.625	74.16
DRAINAGE COLLECTED FROM LAYER 4	10.9779	39849.652	25.65
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.081	294.727	0.19
SOIL WATER AT START OF YEAR	48.756	176985.078	
SOIL WATER AT END OF YEAR	48.837	177279.797	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.013	0.00

ANNUAL TOTALS FOR YEAR 1990

	INCHES	CU. FEET	PERCENT
PRECIPITATION	30.58	111005.398	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	25.385	92147.250	83.01
DRAINAGE COLLECTED FROM LAYER 4	8.3338	30251.615	27.25
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-3.139	-11393.476	-10.26
SOIL WATER AT START OF YEAR	48.837	177279.797	
SOIL WATER AT END OF YEAR	45.699	165886.328	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.003	0.00

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	72.99	264953.750	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	39.995	145181.266	54.79
DRAINAGE COLLECTED FROM LAYER 4	32.0010	116163.602	43.84
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0017		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.016	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.994	3608.703	1.36
SOIL WATER AT START OF YEAR	45.699	165886.328	
SOIL WATER AT END OF YEAR	46.693	169495.031	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.162	0.00

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	61.82	224406.594	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	35.946	130484.070	58.15
DRAINAGE COLLECTED FROM LAYER 4	25.2280	91577.734	40.81
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0013		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00

AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.646	2344.717	1.04
SOIL WATER AT START OF YEAR	46.693	169495.031	
SOIL WATER AT END OF YEAR	47.339	171839.734	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.059	0.00

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	53.41	193878.266	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	33.323	120961.375	62.39
DRAINAGE COLLECTED FROM LAYER 4	16.7414	60771.234	31.35
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0009		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	3.346	12145.664	6.26
SOIL WATER AT START OF YEAR	47.339	171839.734	
SOIL WATER AT END OF YEAR	50.685	183985.406	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.031	0.00

ANNUAL TOTALS FOR YEAR 1994

	INCHES	CU. FEET	PERCENT
PRECIPITATION	52.98	192317.359	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	34.324	124597.789	64.79
DRAINAGE COLLECTED FROM LAYER 4	20.3155	73745.344	38.35
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0011		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.660	-6025.716	-3.13
SOIL WATER AT START OF YEAR	50.685	183985.406	
SOIL WATER AT END OF YEAR	49.025	177959.687	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.073	0.00

ANNUAL TOTALS FOR YEAR 1995

	INCHES	CU. FEET	PERCENT
PRECIPITATION	48.84	177289.250	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	37.818	137279.031	77.43
DRAINAGE COLLECTED FROM LAYER 4	12.6903	46065.812	25.98

PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0007		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.668	-6055.724	-3.42
SOIL WATER AT START OF YEAR	49.025	177959.687	
SOIL WATER AT END OF YEAR	47.356	171903.969	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.111	0.00

ANNUAL TOTALS FOR YEAR 1996

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	53.32	193551.578	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	33.385	121186.031	62.61
DRAINAGE COLLECTED FROM LAYER 4	16.9738	61614.730	31.83
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0009		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.962	10750.861	5.55
SOIL WATER AT START OF YEAR	47.356	171903.969	
SOIL WATER AT END OF YEAR	50.318	182654.828	

SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.059	0.00

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	50.98	185057.437	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.334	117371.508	63.42
DRAINAGE COLLECTED FROM LAYER 4	13.8206	50168.703	27.11
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0007		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	4.826	17517.135	9.47
SOIL WATER AT START OF YEAR	50.318	182654.828	
SOIL WATER AT END OF YEAR	55.144	200171.969	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.080	0.00

ANNUAL TOTALS FOR YEAR 1998

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	60.29	218852.687	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	29.809	108206.023	49.44
DRAINAGE COLLECTED FROM LAYER 4	38.4353	139520.187	63.75
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0020		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.016	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.954	-28873.527	-13.19
SOIL WATER AT START OF YEAR	55.144	200171.969	
SOIL WATER AT END OF YEAR	47.190	171298.437	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.018	0.00

ANNUAL TOTALS FOR YEAR 1999

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	40.67	147632.109	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	27.415	99518.031	67.41
DRAINAGE COLLECTED FROM LAYER 4	13.5028	49015.328	33.20
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0007		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00

PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.248	-901.227	-0.61
SOIL WATER AT START OF YEAR	47.190	171298.437	
SOIL WATER AT END OF YEAR	46.941	170397.203	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.042	0.00

ANNUAL TOTALS FOR YEAR 2000

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	41.56	150862.812	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	28.437	103225.227	68.42
DRAINAGE COLLECTED FROM LAYER 4	10.8306	39315.242	26.06
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.293	8322.313	5.52
SOIL WATER AT START OF YEAR	46.941	170397.203	
SOIL WATER AT END OF YEAR	49.234	178719.516	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.007	0.00

ANNUAL TOTALS FOR YEAR 2001

	INCHES	CU. FEET	PERCENT
PRECIPITATION	47.55	172606.484	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	29.640	107591.609	62.33
DRAINAGE COLLECTED FROM LAYER 4	19.8402	72019.930	41.72
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0010		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.930	-7005.057	-4.06
SOIL WATER AT START OF YEAR	49.234	178719.516	
SOIL WATER AT END OF YEAR	47.304	171714.469	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.017	0.00

ANNUAL TOTALS FOR YEAR 2002

	INCHES	CU. FEET	PERCENT
PRECIPITATION	62.56	227092.891	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	37.051	134494.562	59.22

DRAINAGE COLLECTED FROM LAYER 4	19.1314	69447.148	30.58
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0010		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	6.378	23151.137	10.19
SOIL WATER AT START OF YEAR	47.304	171714.469	
SOIL WATER AT END OF YEAR	53.682	194865.609	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.031	0.00

ANNUAL TOTALS FOR YEAR 2003

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.24	211411.172	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	37.605	136505.219	64.57
DRAINAGE COLLECTED FROM LAYER 4	27.8379	101051.477	47.80
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0015		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.016	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.203	-26145.502	-12.37
SOIL WATER AT START OF YEAR	53.682	194865.609	

SOIL WATER AT END OF YEAR	46.479	168720.094	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.032	0.00

ANNUAL TOTALS FOR YEAR 2004

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.67	220232.062	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.550	118154.820	53.65
DRAINAGE COLLECTED FROM LAYER 4	22.5405	81822.172	37.15
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0012		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	5.580	20255.047	9.20
SOIL WATER AT START OF YEAR	46.479	168720.094	
SOIL WATER AT END OF YEAR	52.059	188975.141	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.010	0.00

ANNUAL TOTALS FOR YEAR 2005

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.90	224697.047	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	36.107	131069.516	58.33
DRAINAGE COLLECTED FROM LAYER 4	24.6137	89347.891	39.76
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0013		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.179	4279.552	1.90
SOIL WATER AT START OF YEAR	52.059	188975.141	
SOIL WATER AT END OF YEAR	53.238	193254.703	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.072	0.00

ANNUAL TOTALS FOR YEAR 2006

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.53	154383.875	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	27.386	99411.516	64.39
DRAINAGE COLLECTED FROM LAYER 4	18.8662	68484.461	44.36
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0010		

DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-3.722	-13512.065	-8.75
SOIL WATER AT START OF YEAR	53.238	193254.703	
SOIL WATER AT END OF YEAR	49.516	179742.625	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.052	0.00

ANNUAL TOTALS FOR YEAR 2007

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.73	191409.875	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.890	119391.680	62.37
DRAINAGE COLLECTED FROM LAYER 4	18.6916	67850.422	35.45
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0010		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.148	4167.776	2.18
SOIL WATER AT START OF YEAR	49.516	179742.625	
SOIL WATER AT END OF YEAR	50.664	183910.406	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

EVAPOTRANSPIRATION	30.429	110457.664	56.14
DRAINAGE COLLECTED FROM LAYER 4	20.7436	75299.437	38.27
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0011		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	3.027	10988.953	5.59
SOIL WATER AT START OF YEAR	46.024	167067.937	
SOIL WATER AT END OF YEAR	49.051	178056.891	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.080	0.00

ANNUAL TOTALS FOR YEAR 2010

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.27	153440.109	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	31.988	116117.281	75.68
DRAINAGE COLLECTED FROM LAYER 4	12.1165	43982.801	28.66
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.835	-6659.967	-4.34

SOIL WATER AT START OF YEAR	49.051	178056.891	
SOIL WATER AT END OF YEAR	47.217	171396.922	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.017	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1986 THROUGH 2010

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC

PRECIPITATION						

TOTALS	4.22 6.65	3.50 7.23	4.19 5.48	2.69 3.96	2.52 1.96	7.31 2.81
STD. DEVIATIONS	2.74 2.00	3.18 3.12	2.85 3.49	2.33 3.48	2.56 1.51	3.29 2.18
RUNOFF						

TOTALS	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
STD. DEVIATIONS	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
EVAPOTRANSPIRATION						

TOTALS	1.959 4.799	2.240 4.575	2.808 3.384	2.054 2.108	1.954 1.195	4.250 1.362
STD. DEVIATIONS	0.535 1.038	0.525 0.825	1.085 1.107	1.026 0.994	1.396 0.780	1.295 0.609
LATERAL DRAINAGE COLLECTED FROM LAYER 4						

TOTALS	1.2952 1.1269	1.4815 1.7735	1.8193 2.2644	1.5986 2.6781	1.2891 2.0072	1.1948 1.3940
STD. DEVIATIONS	0.8887 0.7698	1.2568 1.6319	1.8491 1.8345	1.3030 1.8176	0.9035 0.8493	1.1439 0.5953

PERCOLATION/LEAKAGE THROUGH LAYER 6

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

LATERAL DRAINAGE COLLECTED FROM LAYER 7

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PERCOLATION/LEAKAGE THROUGH LAYER 9

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 5

AVERAGES	0.0008	0.0010	0.0011	0.0010	0.0008	0.0008
	0.0007	0.0011	0.0014	0.0017	0.0013	0.0009
STD. DEVIATIONS	0.0005	0.0009	0.0011	0.0008	0.0006	0.0007
	0.0005	0.0010	0.0012	0.0011	0.0005	0.0004

DAILY AVERAGE HEAD ON TOP OF LAYER 8

AVERAGES	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1986 THROUGH 2010

	INCHES		CU. FEET	PERCENT
PRECIPITATION	52.53	(9.218)	190673.7	100.00

RUNOFF	0.000	(0.0000)	0.00	0.000
EVAPOTRANSPIRATION	32.688	(3.5434)	118657.01	62.230
LATERAL DRAINAGE COLLECTED FROM LAYER 4	19.92260	(7.27691)	72319.039	37.92816
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.00000	(0.00000)	0.017	0.00001
AVERAGE HEAD ON TOP OF LAYER 5	0.001	(0.000)		
LATERAL DRAINAGE COLLECTED FROM LAYER 7	0.00000	(0.00000)	0.015	0.00001
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.00000	(0.00000)	0.002	0.00000
AVERAGE HEAD ON TOP OF LAYER 8	0.000	(0.000)		
CHANGE IN WATER STORAGE	-0.083	(3.5806)	-302.33	-0.159

PEAK DAILY VALUES FOR YEARS 1986 THROUGH 2010

	(INCHES)	(CU. FT.)
PRECIPITATION	7.50	27225.000
RUNOFF	0.000	0.0000
DRAINAGE COLLECTED FROM LAYER 4	0.97235	3529.63721
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.000000	0.00006
AVERAGE HEAD ON TOP OF LAYER 5	0.019	
MAXIMUM HEAD ON TOP OF LAYER 5	0.037	
LOCATION OF MAXIMUM HEAD IN LAYER 4 (DISTANCE FROM DRAIN)	1.7 FEET	
DRAINAGE COLLECTED FROM LAYER 7	0.00000	0.00006
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.000000	0.00001
AVERAGE HEAD ON TOP OF LAYER 8	0.000	
MAXIMUM HEAD ON TOP OF LAYER 8	0.002	
LOCATION OF MAXIMUM HEAD IN LAYER 7 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	0.00	0.0000
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3888
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.1360

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
by Bruce M. McEnroe, University of Kansas
ASCE Journal of Environmental Engineering
Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 2010

LAYER	(INCHES)	(VOL/VOL)
1	2.7297	0.2275
2	35.9124	0.2993
3	5.4354	0.2265
4	0.0033	0.0119
5	0.0000	0.0000
6	0.1275	0.7500
7	0.0025	0.0100
8	0.0000	0.0000
9	3.0060	0.5010
SNOW WATER	0.000	



LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 9

THICKNESS	=	1200.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2931	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.190000006000E-03	CM/SEC

LAYER 3

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS	=	24.00	INCHES
POROSITY	=	0.4570	VOL/VOL
FIELD CAPACITY	=	0.1310	VOL/VOL
WILTING POINT	=	0.0580	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2078	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.100000005000E-02	CM/SEC

LAYER 4

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	0.28	INCHES
POROSITY	=	0.8500	VOL/VOL
FIELD CAPACITY	=	0.0100	VOL/VOL
WILTING POINT	=	0.0050	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0113	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	57.2999992000	CM/SEC
SLOPE	=	1.93	PERCENT
DRAINAGE LENGTH	=	150.0	FEET

LAYER 5

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.06	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL
WILTING POINT	=	0.0000	VOL/VOL

INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 6

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 17

THICKNESS = 0.17 INCHES
POROSITY = 0.7500 VOL/VOL
FIELD CAPACITY = 0.7470 VOL/VOL
WILTING POINT = 0.4000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.7500 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.300000003000E-08 CM/SEC

LAYER 7

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.25 INCHES
POROSITY = 0.8500 VOL/VOL
FIELD CAPACITY = 0.0100 VOL/VOL
WILTING POINT = 0.0050 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0100 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 25.2000008000 CM/SEC
SLOPE = 1.93 PERCENT
DRAINAGE LENGTH = 150.0 FEET

LAYER 8

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 36

THICKNESS = 0.06 INCHES
POROSITY = 0.0000 VOL/VOL
FIELD CAPACITY = 0.0000 VOL/VOL
WILTING POINT = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 9

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	6.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.5010	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.189999992000E-04	CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT SOIL DATA BASE USING SOIL TEXTURE #10 WITH BARE GROUND CONDITIONS, A SURFACE SLOPE OF 4.% AND A SLOPE LENGTH OF 200. FEET.

SCS RUNOFF CURVE NUMBER	=	94.10	
FRACTION OF AREA ALLOWING RUNOFF	=	20.0	PERCENT
AREA PROJECTED ON HORIZONTAL PLANE	=	1.000	ACRES
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
INITIAL WATER IN EVAPORATIVE ZONE	=	2.739	INCHES
UPPER LIMIT OF EVAPORATIVE STORAGE	=	4.776	INCHES
LOWER LIMIT OF EVAPORATIVE STORAGE	=	1.632	INCHES
INITIAL SNOW WATER	=	0.000	INCHES
INITIAL WATER IN LAYER MATERIALS	=	362.531	INCHES
TOTAL INITIAL WATER	=	362.531	INCHES
TOTAL SUBSURFACE INFLOW	=	0.00	INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM JACKSONVILLE FLORIDA

STATION LATITUDE	=	30.50	DEGREES
MAXIMUM LEAF AREA INDEX	=	0.00	
START OF GROWING SEASON (JULIAN DATE)	=	0	
END OF GROWING SEASON (JULIAN DATE)	=	367	
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
AVERAGE ANNUAL WIND SPEED	=	8.20	MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY	=	73.00	%
AVERAGE 2ND QUARTER RELATIVE HUMIDITY	=	72.00	%
AVERAGE 3RD QUARTER RELATIVE HUMIDITY	=	79.00	%
AVERAGE 4TH QUARTER RELATIVE HUMIDITY	=	78.00	%

NOTE: PRECIPITATION DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR JACKSONVILLE FLORIDA
 AND STATION LATITUDE = 30.50 DEGREES

ANNUAL TOTALS FOR YEAR 1986

	INCHES	CU. FEET	PERCENT
PRECIPITATION	48.53	176163.875	100.00
RUNOFF	2.917	10589.580	6.01
EVAPOTRANSPIRATION	31.858	115644.102	65.65
DRAINAGE COLLECTED FROM LAYER 4	4.2410	15394.672	8.74
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0003		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	9.514	34535.738	19.60
SOIL WATER AT START OF YEAR	362.531	1315987.370	
SOIL WATER AT END OF YEAR	372.045	1350523.120	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.239	0.00

ANNUAL TOTALS FOR YEAR 1987

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.97	195911.125	100.00
RUNOFF	3.770	13685.988	6.99
EVAPOTRANSPIRATION	32.115	116576.414	59.50
DRAINAGE COLLECTED FROM LAYER 4	6.0562	21983.963	11.22
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	12.029	43664.797	22.29
SOIL WATER AT START OF YEAR	372.045	1350523.120	
SOIL WATER AT END OF YEAR	384.074	1394187.870	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.064	0.00

ANNUAL TOTALS FOR YEAR 1988

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	59.02	214242.609	100.00
RUNOFF	4.916	17846.725	8.33
EVAPOTRANSPIRATION	32.684	118643.039	55.38

DRAINAGE COLLECTED FROM LAYER 4	10.6133	38526.105	17.98
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0007		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	10.806	39226.664	18.31
SOIL WATER AT START OF YEAR	384.074	1394187.870	
SOIL WATER AT END OF YEAR	394.880	1433414.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.054	0.00

ANNUAL TOTALS FOR YEAR 1989

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.80	155364.016	100.00
RUNOFF	2.471	8968.702	5.77
EVAPOTRANSPIRATION	30.888	112121.758	72.17
DRAINAGE COLLECTED FROM LAYER 4	14.0482	50995.086	32.82
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0009		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-4.607	-16721.617	-10.76
SOIL WATER AT START OF YEAR	394.880	1433414.500	

SOIL WATER AT END OF YEAR	390.274	1416692.870	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.064	0.00

ANNUAL TOTALS FOR YEAR 1990

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	30.58	111005.398	100.00
RUNOFF	1.612	5850.419	5.27
EVAPOTRANSPIRATION	25.139	91255.781	82.21
DRAINAGE COLLECTED FROM LAYER 4	11.6747	42379.012	38.18
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0008		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.846	-28479.902	-25.66
SOIL WATER AT START OF YEAR	390.274	1416692.870	
SOIL WATER AT END OF YEAR	382.428	1388213.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.073	0.00

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
PRECIPITATION	72.99	264953.750	100.00
RUNOFF	6.144	22302.398	8.42
EVAPOTRANSPIRATION	39.814	144524.141	54.55
DRAINAGE COLLECTED FROM LAYER 4	10.9411	39716.074	14.99
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0007		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	16.091	58411.117	22.05
SOIL WATER AT START OF YEAR	382.428	1388213.000	
SOIL WATER AT END OF YEAR	398.519	1446624.120	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.004	0.00

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.82	224406.594	100.00
RUNOFF	5.657	20534.834	9.15
EVAPOTRANSPIRATION	35.866	130193.211	58.02
DRAINAGE COLLECTED FROM LAYER 4	15.3634	55769.262	24.85
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0010		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00

PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	4.934	17909.057	7.98
SOIL WATER AT START OF YEAR	398.519	1446624.120	
SOIL WATER AT END OF YEAR	403.453	1464533.120	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.219	0.00

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.41	193878.266	100.00
RUNOFF	3.409	12374.978	6.38
EVAPOTRANSPIRATION	33.200	120514.531	62.16
DRAINAGE COLLECTED FROM LAYER 4	16.3536	59363.539	30.62
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0011		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.448	1625.236	0.84
SOIL WATER AT START OF YEAR	403.453	1464533.120	
SOIL WATER AT END OF YEAR	403.900	1466158.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.047	0.00

ANNUAL TOTALS FOR YEAR 1994

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.98	192317.359	100.00
RUNOFF	3.181	11548.255	6.00
EVAPOTRANSPIRATION	34.008	123449.109	64.19
DRAINAGE COLLECTED FROM LAYER 4	18.2085	66096.789	34.37
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0012		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-2.418	-8776.783	-4.56
SOIL WATER AT START OF YEAR	403.900	1466158.370	
SOIL WATER AT END OF YEAR	401.483	1457381.620	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.024	0.00

ANNUAL TOTALS FOR YEAR 1995

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	48.84	177289.250	100.00
RUNOFF	2.914	10576.536	5.97

EVAPOTRANSPIRATION		37.599	136484.234	76.98
DRAINAGE COLLECTED FROM LAYER	4	16.2765	59083.699	33.33
PERC./LEAKAGE THROUGH LAYER	6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER	5	0.0011		
DRAINAGE COLLECTED FROM LAYER	7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER	9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER	8	0.0000		
CHANGE IN WATER STORAGE		-7.949	-28855.109	-16.28
SOIL WATER AT START OF YEAR		401.483	1457381.620	
SOIL WATER AT END OF YEAR		393.533	1428526.500	
SNOW WATER AT START OF YEAR		0.000	0.000	0.00
SNOW WATER AT END OF YEAR		0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE		0.0000	-0.113	0.00

ANNUAL TOTALS FOR YEAR 1996

		INCHES	CU. FEET	PERCENT
		-----	-----	-----
PRECIPITATION		53.32	193551.578	100.00
RUNOFF		4.144	15042.269	7.77
EVAPOTRANSPIRATION		32.567	118218.891	61.08
DRAINAGE COLLECTED FROM LAYER	4	13.4997	49004.004	25.32
PERC./LEAKAGE THROUGH LAYER	6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER	5	0.0009		
DRAINAGE COLLECTED FROM LAYER	7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER	9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER	8	0.0000		
CHANGE IN WATER STORAGE		3.109	11286.256	5.83

SOIL WATER AT START OF YEAR	393.533	1428526.500	
SOIL WATER AT END OF YEAR	396.643	1439812.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.147	0.00

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	50.98	185057.437	100.00
RUNOFF	3.426	12436.063	6.72
EVAPOTRANSPIRATION	32.102	116530.820	62.97
DRAINAGE COLLECTED FROM LAYER 4	13.9066	50481.105	27.28
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0009		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.545	5609.617	3.03
SOIL WATER AT START OF YEAR	396.643	1439812.750	
SOIL WATER AT END OF YEAR	398.188	1445422.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.183	0.00

ANNUAL TOTALS FOR YEAR 1998

	INCHES	CU. FEET	PERCENT
PRECIPITATION	60.29	218852.687	100.00
RUNOFF	5.733	20810.273	9.51
EVAPOTRANSPIRATION	29.505	107102.000	48.94
DRAINAGE COLLECTED FROM LAYER 4	18.8058	68265.141	31.19
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0012		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	6.247	22675.203	10.36
SOIL WATER AT START OF YEAR	398.188	1445422.370	
SOIL WATER AT END OF YEAR	404.435	1468097.620	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.056	0.00

ANNUAL TOTALS FOR YEAR 1999

	INCHES	CU. FEET	PERCENT
PRECIPITATION	40.67	147632.109	100.00
RUNOFF	2.507	9099.567	6.16
EVAPOTRANSPIRATION	27.057	98218.328	66.53
DRAINAGE COLLECTED FROM LAYER 4	18.9204	68681.141	46.52
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0012		

DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.815	-28366.686	-19.21
SOIL WATER AT START OF YEAR	404.435	1468097.620	
SOIL WATER AT END OF YEAR	396.620	1439730.870	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.263	0.00

ANNUAL TOTALS FOR YEAR 2000

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	41.56	150862.812	100.00
RUNOFF	2.308	8377.385	5.55
EVAPOTRANSPIRATION	28.228	102466.039	67.92
DRAINAGE COLLECTED FROM LAYER 4	14.7317	53476.000	35.45
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0010		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-3.707	-13456.634	-8.92
SOIL WATER AT START OF YEAR	396.620	1439730.870	
SOIL WATER AT END OF YEAR	392.913	1426274.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

RUNOFF	4.874	17693.240	7.79
EVAPOTRANSPIRATION	37.151	134857.781	59.38
DRAINAGE COLLECTED FROM LAYER 4	12.5307	45486.266	20.03
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0008		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	8.004	29055.510	12.79
SOIL WATER AT START OF YEAR	394.277	1431224.870	
SOIL WATER AT END OF YEAR	402.281	1460280.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.082	0.00

ANNUAL TOTALS FOR YEAR 2003

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.24	211411.172	100.00
RUNOFF	4.087	14834.306	7.02
EVAPOTRANSPIRATION	37.291	135364.656	64.03
DRAINAGE COLLECTED FROM LAYER 4	18.0385	65479.914	30.97
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0012		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		

CHANGE IN WATER STORAGE	-1.176	-4267.643	-2.02
SOIL WATER AT START OF YEAR	402.281	1460280.370	
SOIL WATER AT END OF YEAR	401.105	1456012.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.071	0.00

ANNUAL TOTALS FOR YEAR 2004

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.67	220232.062	100.00
RUNOFF	4.836	17554.777	7.97
EVAPOTRANSPIRATION	32.289	117209.820	53.22
DRAINAGE COLLECTED FROM LAYER 4	17.0230	61793.508	28.06
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0011		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	6.522	23673.984	10.75
SOIL WATER AT START OF YEAR	401.105	1456012.750	
SOIL WATER AT END OF YEAR	407.627	1479686.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.043	0.00

ANNUAL TOTALS FOR YEAR 2005

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.90	224697.047	100.00
RUNOFF	4.778	17343.402	7.72
EVAPOTRANSPIRATION	35.872	130213.562	57.95
DRAINAGE COLLECTED FROM LAYER 4	19.2947	70039.609	31.17
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0013		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.956	7100.146	3.16
SOIL WATER AT START OF YEAR	407.627	1479686.750	
SOIL WATER AT END OF YEAR	409.583	1486786.870	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.304	0.00

ANNUAL TOTALS FOR YEAR 2006

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.53	154383.875	100.00
RUNOFF	3.321	12055.994	7.81
EVAPOTRANSPIRATION	26.609	96590.453	62.57
DRAINAGE COLLECTED FROM LAYER 4	21.4076	77709.445	50.34
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00

AVG. HEAD ON TOP OF LAYER 5	0.0014		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-8.808	-31971.871	-20.71
SOIL WATER AT START OF YEAR	409.583	1486786.870	
SOIL WATER AT END OF YEAR	400.775	1454815.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.156	0.00

ANNUAL TOTALS FOR YEAR 2007

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.73	191409.875	100.00
RUNOFF	3.796	13779.936	7.20
EVAPOTRANSPIRATION	32.703	118713.406	62.02
DRAINAGE COLLECTED FROM LAYER 4	15.2180	55241.301	28.86
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0010		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.012	3675.198	1.92
SOIL WATER AT START OF YEAR	400.775	1454815.000	
SOIL WATER AT END OF YEAR	401.788	1458490.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.010	0.00

ANNUAL TOTALS FOR YEAR 2008

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.77	213335.094	100.00
RUNOFF	4.963	18016.283	8.45
EVAPOTRANSPIRATION	33.409	121274.336	56.85
DRAINAGE COLLECTED FROM LAYER 4	18.9502	68789.141	32.24
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0012		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.448	5255.347	2.46
SOIL WATER AT START OF YEAR	401.788	1458490.250	
SOIL WATER AT END OF YEAR	403.236	1463745.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.038	0.00

ANNUAL TOTALS FOR YEAR 2009

	INCHES	CU. FEET	PERCENT
	-----	-----	-----

PRECIPITATION	54.20	196745.984	100.00
RUNOFF	4.444	16132.765	8.20
EVAPOTRANSPIRATION	30.061	109121.133	55.46
DRAINAGE COLLECTED FROM LAYER 4	20.9909	76196.812	38.73
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0014		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.296	-4704.776	-2.39
SOIL WATER AT START OF YEAR	403.236	1463745.500	
SOIL WATER AT END OF YEAR	401.940	1459040.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.032	0.00

ANNUAL TOTALS FOR YEAR 2010

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.27	153440.109	100.00
RUNOFF	2.277	8267.003	5.39
EVAPOTRANSPIRATION	31.452	114169.383	74.41
DRAINAGE COLLECTED FROM LAYER 4	16.2763	59083.082	38.51
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0011		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.015	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00

AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.735	-28079.437	-18.30
SOIL WATER AT START OF YEAR	401.940	1459040.750	
SOIL WATER AT END OF YEAR	394.204	1430961.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.070	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1986 THROUGH 2010

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION						
TOTALS	4.22 6.65	3.50 7.23	4.19 5.48	2.69 3.96	2.52 1.96	7.31 2.81
STD. DEVIATIONS	2.74 2.00	3.18 3.12	2.85 3.49	2.33 3.48	2.56 1.51	3.29 2.18
RUNOFF						
TOTALS	0.287 0.449	0.242 0.518	0.288 0.448	0.179 0.440	0.155 0.100	0.555 0.186
STD. DEVIATIONS	0.316 0.235	0.422 0.458	0.319 0.471	0.269 0.603	0.352 0.133	0.395 0.227
EVAPOTRANSPIRATION						
TOTALS	1.943 4.760	2.239 4.533	2.784 3.333	2.018 2.079	1.928 1.176	4.199 1.359
STD. DEVIATIONS	0.536 1.055	0.525 0.839	1.097 1.089	1.048 0.997	1.333 0.783	1.244 0.602
LATERAL DRAINAGE COLLECTED FROM LAYER 4						
TOTALS	1.3309 1.0772	1.0967 0.8128	1.2035 0.9681	1.2272 1.1899	1.5443 1.4170	1.4915 1.7013

STD. DEVIATIONS	0.6625	0.5098	0.5914	0.6562	0.6769	0.5447
	0.4563	0.3356	0.4185	0.6803	0.6572	0.6025

PERCOLATION/LEAKAGE THROUGH LAYER 6

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

LATERAL DRAINAGE COLLECTED FROM LAYER 7

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PERCOLATION/LEAKAGE THROUGH LAYER 9

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 5

AVERAGES	0.0010	0.0009	0.0009	0.0010	0.0012	0.0012
	0.0008	0.0006	0.0008	0.0009	0.0011	0.0013
STD. DEVIATIONS	0.0005	0.0004	0.0005	0.0005	0.0005	0.0004
	0.0004	0.0003	0.0003	0.0005	0.0005	0.0005

DAILY AVERAGE HEAD ON TOP OF LAYER 8

AVERAGES	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1986 THROUGH 2010

	INCHES		CU. FEET	PERCENT
	-----	-----	-----	-----
PRECIPITATION	52.53	(9.218)	190673.7	100.00
RUNOFF	3.848	(1.1949)	13968.66	7.326
EVAPOTRANSPIRATION	32.352	(3.6290)	117437.09	61.591
LATERAL DRAINAGE COLLECTED FROM LAYER 4	15.06034	(4.21389)	54669.020	28.67150
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.00000	(0.00000)	0.017	0.00001
AVERAGE HEAD ON TOP OF LAYER 5	0.001	(0.000)		
LATERAL DRAINAGE COLLECTED FROM LAYER 7	0.00000	(0.00000)	0.015	0.00001
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.00000	(0.00000)	0.003	0.00000
AVERAGE HEAD ON TOP OF LAYER 8	0.000	(0.000)		
CHANGE IN WATER STORAGE	1.267	(6.8584)	4598.96	2.412

PEAK DAILY VALUES FOR YEARS 1986 THROUGH 2010

	(INCHES)	(CU. FT.)
PRECIPITATION	7.50	27225.000
RUNOFF	1.768	6418.8784
DRAINAGE COLLECTED FROM LAYER 4	0.11203	406.65118
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.000000	0.00005
AVERAGE HEAD ON TOP OF LAYER 5	0.003	
MAXIMUM HEAD ON TOP OF LAYER 5	0.004	
LOCATION OF MAXIMUM HEAD IN LAYER 4 (DISTANCE FROM DRAIN)	27.3 FEET	
DRAINAGE COLLECTED FROM LAYER 7	0.00000	0.00004
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.000000	0.00001
AVERAGE HEAD ON TOP OF LAYER 8	0.000	
MAXIMUM HEAD ON TOP OF LAYER 8	0.002	
LOCATION OF MAXIMUM HEAD IN LAYER 7 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	0.00	0.0000
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3900
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.1360

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
by Bruce M. McEnroe, University of Kansas
ASCE Journal of Environmental Engineering
Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 2010

LAYER	(INCHES)	(VOL/VOL)
1	2.6988	0.2249
2	382.5974	0.3188
3	5.7682	0.2403
4	0.0039	0.0141
5	0.0000	0.0000
6	0.1275	0.7500
7	0.0025	0.0100
8	0.0000	0.0000
9	3.0060	0.5010
SNOW WATER	0.000	



LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 9

THICKNESS	=	2400.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2847	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.190000006000E-03	CM/SEC

LAYER 3

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS	=	24.00	INCHES
POROSITY	=	0.4570	VOL/VOL
FIELD CAPACITY	=	0.1310	VOL/VOL
WILTING POINT	=	0.0580	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2063	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.100000005000E-02	CM/SEC

LAYER 4

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	0.28	INCHES
POROSITY	=	0.8500	VOL/VOL
FIELD CAPACITY	=	0.0100	VOL/VOL
WILTING POINT	=	0.0050	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0133	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	28.6000004000	CM/SEC
SLOPE	=	1.93	PERCENT
DRAINAGE LENGTH	=	150.0	FEET

LAYER 5

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.06	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL

WILTING POINT = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 6

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 17

THICKNESS = 0.17 INCHES
POROSITY = 0.7500 VOL/VOL
FIELD CAPACITY = 0.7470 VOL/VOL
WILTING POINT = 0.4000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.7500 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.300000003000E-08 CM/SEC

LAYER 7

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.25 INCHES
POROSITY = 0.8500 VOL/VOL
FIELD CAPACITY = 0.0100 VOL/VOL
WILTING POINT = 0.0050 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0100 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 15.6999998000 CM/SEC
SLOPE = 1.93 PERCENT
DRAINAGE LENGTH = 150.0 FEET

LAYER 8

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 36

THICKNESS = 0.06 INCHES
POROSITY = 0.0000 VOL/VOL
FIELD CAPACITY = 0.0000 VOL/VOL
WILTING POINT = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 9

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	6.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.5010	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.189999992000E-04	CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT SOIL DATA BASE USING SOIL TEXTURE #10 WITH BARE GROUND CONDITIONS, A SURFACE SLOPE OF 4.% AND A SLOPE LENGTH OF 200. FEET.

SCS RUNOFF CURVE NUMBER	=	94.10	
FRACTION OF AREA ALLOWING RUNOFF	=	100.0	PERCENT
AREA PROJECTED ON HORIZONTAL PLANE	=	1.000	ACRES
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
INITIAL WATER IN EVAPORATIVE ZONE	=	2.740	INCHES
UPPER LIMIT OF EVAPORATIVE STORAGE	=	4.776	INCHES
LOWER LIMIT OF EVAPORATIVE STORAGE	=	1.632	INCHES
INITIAL SNOW WATER	=	0.000	INCHES
INITIAL WATER IN LAYER MATERIALS	=	694.068	INCHES
TOTAL INITIAL WATER	=	694.068	INCHES
TOTAL SUBSURFACE INFLOW	=	0.00	INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM JACKSONVILLE FLORIDA

STATION LATITUDE	=	30.50	DEGREES
MAXIMUM LEAF AREA INDEX	=	0.00	
START OF GROWING SEASON (JULIAN DATE)	=	0	
END OF GROWING SEASON (JULIAN DATE)	=	367	
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
AVERAGE ANNUAL WIND SPEED	=	8.20	MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY	=	73.00	%
AVERAGE 2ND QUARTER RELATIVE HUMIDITY	=	72.00	%
AVERAGE 3RD QUARTER RELATIVE HUMIDITY	=	79.00	%

AVERAGE 4TH QUARTER RELATIVE HUMIDITY = 78.00 %

NOTE: PRECIPITATION DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR JACKSONVILLE FLORIDA
 AND STATION LATITUDE = 30.50 DEGREES

ANNUAL TOTALS FOR YEAR 1986

	INCHES	CU. FEET	PERCENT
PRECIPITATION	48.53	176163.875	100.00
RUNOFF	13.872	50354.863	28.58
EVAPOTRANSPIRATION	29.806	108195.094	61.42
DRAINAGE COLLECTED FROM LAYER 4	3.2717	11876.287	6.74
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.581	5737.456	3.26
SOIL WATER AT START OF YEAR	694.069	2519468.750	
SOIL WATER AT END OF YEAR	695.649	2525206.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.149	0.00

ANNUAL TOTALS FOR YEAR 1987

	INCHES	CU. FEET	PERCENT
PRECIPITATION	53.97	195911.125	100.00
RUNOFF	17.712	64295.312	32.82
EVAPOTRANSPIRATION	30.793	111778.367	57.06
DRAINAGE COLLECTED FROM LAYER 4	2.9374	10662.802	5.44
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.527	9174.479	4.68
SOIL WATER AT START OF YEAR	695.649	2525206.250	
SOIL WATER AT END OF YEAR	698.177	2534380.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.141	0.00

ANNUAL TOTALS FOR YEAR 1988

	INCHES	CU. FEET	PERCENT
PRECIPITATION	59.02	214242.609	100.00
RUNOFF	23.252	84405.383	39.40
EVAPOTRANSPIRATION	30.608	111106.203	51.86

DRAINAGE COLLECTED FROM LAYER 4	3.4545	12539.690	5.85
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.706	6191.428	2.89
SOIL WATER AT START OF YEAR	698.177	2534380.750	
SOIL WATER AT END OF YEAR	699.882	2540572.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.113	0.00

ANNUAL TOTALS FOR YEAR 1989

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.80	155364.016	100.00
RUNOFF	12.064	43791.027	28.19
EVAPOTRANSPIRATION	28.103	102015.437	65.66
DRAINAGE COLLECTED FROM LAYER 4	4.0401	14665.429	9.44
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.407	-5108.011	-3.29
SOIL WATER AT START OF YEAR	699.882	2540572.250	

SOIL WATER AT END OF YEAR	698.475	2535464.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.110	0.00

ANNUAL TOTALS FOR YEAR 1990

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	30.58	111005.398	100.00
RUNOFF	7.826	28407.687	25.59
EVAPOTRANSPIRATION	22.853	82956.875	74.73
DRAINAGE COLLECTED FROM LAYER 4	4.0500	14701.651	13.24
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-4.149	-15060.822	-13.57
SOIL WATER AT START OF YEAR	698.475	2535464.250	
SOIL WATER AT END OF YEAR	694.326	2520403.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.013	0.00

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
PRECIPITATION	72.99	264953.750	100.00
RUNOFF	28.905	104925.297	39.60
EVAPOTRANSPIRATION	38.235	138791.297	52.38
DRAINAGE COLLECTED FROM LAYER 4	2.8839	10468.612	3.95
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.967	10768.586	4.06
SOIL WATER AT START OF YEAR	694.326	2520403.250	
SOIL WATER AT END OF YEAR	697.293	2531172.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.059	0.00

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.82	224406.594	100.00
RUNOFF	25.169	91364.883	40.71
EVAPOTRANSPIRATION	33.432	121359.719	54.08
DRAINAGE COLLECTED FROM LAYER 4	3.4853	12651.608	5.64
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		

DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.267	-969.758	-0.43
SOIL WATER AT START OF YEAR	697.293	2531172.000	
SOIL WATER AT END OF YEAR	697.025	2530202.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.125	0.00

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.41	193878.266	100.00
RUNOFF	16.037	58212.680	30.03
EVAPOTRANSPIRATION	31.951	115980.930	59.82
DRAINAGE COLLECTED FROM LAYER 4	3.3467	12148.439	6.27
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.076	7536.282	3.89
SOIL WATER AT START OF YEAR	697.025	2530202.250	
SOIL WATER AT END OF YEAR	699.102	2537738.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

EVAPOTRANSPIRATION		34.286	124459.883	70.20
DRAINAGE COLLECTED FROM LAYER 4	4	4.2331	15366.322	8.67
PERC./LEAKAGE THROUGH LAYER 6	6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	8	0.0000		
CHANGE IN WATER STORAGE		-3.318	-12046.088	-6.79
SOIL WATER AT START OF YEAR		701.534	2546566.750	
SOIL WATER AT END OF YEAR		698.215	2534520.750	
SNOW WATER AT START OF YEAR		0.000	0.000	0.00
SNOW WATER AT END OF YEAR		0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE		0.0000	0.058	0.00

ANNUAL TOTALS FOR YEAR 1996

		INCHES	CU. FEET	PERCENT
		-----	-----	-----
PRECIPITATION		53.32	193551.578	100.00
RUNOFF		19.297	70049.086	36.19
EVAPOTRANSPIRATION		30.239	109769.219	56.71
DRAINAGE COLLECTED FROM LAYER 4	4	4.1304	14993.323	7.75
PERC./LEAKAGE THROUGH LAYER 6	6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	8	0.0000		
CHANGE IN WATER STORAGE		-0.347	-1259.998	-0.65

SOIL WATER AT START OF YEAR	698.215	2534520.750	
SOIL WATER AT END OF YEAR	697.868	2533260.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.059	0.00

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	50.98	185057.437	100.00
RUNOFF	16.118	58509.359	31.62
EVAPOTRANSPIRATION	29.565	107319.836	57.99
DRAINAGE COLLECTED FROM LAYER 4	3.6831	13369.792	7.22
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.614	5858.648	3.17
SOIL WATER AT START OF YEAR	697.868	2533260.750	
SOIL WATER AT END OF YEAR	699.482	2539119.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.213	0.00

ANNUAL TOTALS FOR YEAR 1998

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.29	218852.687	100.00
RUNOFF	26.956	97849.320	44.71
EVAPOTRANSPIRATION	27.503	99835.320	45.62
DRAINAGE COLLECTED FROM LAYER 4	2.5926	9411.090	4.30
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0003		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	3.239	11756.955	5.37
SOIL WATER AT START OF YEAR	699.482	2539119.500	
SOIL WATER AT END OF YEAR	702.721	2550876.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.017	0.00

ANNUAL TOTALS FOR YEAR 1999

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	40.67	147632.109	100.00
RUNOFF	12.405	45030.410	30.50
EVAPOTRANSPIRATION	25.696	93277.352	63.18
DRAINAGE COLLECTED FROM LAYER 4	4.2132	15293.992	10.36
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00

AVG. HEAD ON TOP OF LAYER 5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.645	-5969.870	-4.04
SOIL WATER AT START OF YEAR	702.721	2550876.250	
SOIL WATER AT END OF YEAR	701.076	2544906.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.209	0.00

ANNUAL TOTALS FOR YEAR 2000

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	41.56	150862.812	100.00
RUNOFF	10.904	39581.184	26.24
EVAPOTRANSPIRATION	27.355	99300.062	65.82
DRAINAGE COLLECTED FROM LAYER 4	3.9033	14168.808	9.39
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.603	-2187.217	-1.45
SOIL WATER AT START OF YEAR	701.076	2544906.500	
SOIL WATER AT END OF YEAR	700.474	2542719.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.049	0.00

ANNUAL TOTALS FOR YEAR 2001

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	47.55	172606.484	100.00
RUNOFF	16.858	61193.086	35.45
EVAPOTRANSPIRATION	28.105	102022.727	59.11
DRAINAGE COLLECTED FROM LAYER 4	3.8938	14134.411	8.19
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.307	-4743.770	-2.75
SOIL WATER AT START OF YEAR	700.474	2542719.250	
SOIL WATER AT END OF YEAR	699.167	2537975.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.012	0.00

ANNUAL TOTALS FOR YEAR 2002

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	62.56	227092.891	100.00

RUNOFF	22.500	81676.289	35.97
EVAPOTRANSPIRATION	34.981	126979.805	55.92
DRAINAGE COLLECTED FROM LAYER 4	3.8343	13918.490	6.13
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.245	4518.003	1.99
SOIL WATER AT START OF YEAR	699.167	2537975.500	
SOIL WATER AT END OF YEAR	700.411	2542493.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.282	0.00

ANNUAL TOTALS FOR YEAR 2003

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.24	211411.172	100.00
RUNOFF	19.527	70881.609	33.53
EVAPOTRANSPIRATION	35.513	128911.281	60.98
DRAINAGE COLLECTED FROM LAYER 4	3.0672	11134.047	5.27
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		

CHANGE IN WATER STORAGE	0.133	484.325	0.23
SOIL WATER AT START OF YEAR	700.411	2542493.500	
SOIL WATER AT END OF YEAR	700.545	2542977.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.100	0.00

ANNUAL TOTALS FOR YEAR 2004

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.67	220232.062	100.00
RUNOFF	22.935	83255.555	37.80
EVAPOTRANSPIRATION	31.651	114891.781	52.17
DRAINAGE COLLECTED FROM LAYER 4	3.7250	13521.810	6.14
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.359	8562.980	3.89
SOIL WATER AT START OF YEAR	700.545	2542977.750	
SOIL WATER AT END OF YEAR	702.904	2551540.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.082	0.00

ANNUAL TOTALS FOR YEAR 2005

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	61.90	224697.047	100.00
RUNOFF	22.504	81689.195	36.36
EVAPOTRANSPIRATION	34.630	125706.070	55.94
DRAINAGE COLLECTED FROM LAYER 4	3.1774	11534.106	5.13
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.589	5767.588	2.57
SOIL WATER AT START OF YEAR	702.904	2551540.750	
SOIL WATER AT END OF YEAR	704.493	2557308.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.071	0.00

ANNUAL TOTALS FOR YEAR 2006

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.53	154383.875	100.00
RUNOFF	15.757	57196.645	37.05
EVAPOTRANSPIRATION	24.301	88211.633	57.14
DRAINAGE COLLECTED FROM LAYER 4	4.3589	15822.887	10.25

PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.886	-6847.017	-4.44
SOIL WATER AT START OF YEAR	704.493	2557308.500	
SOIL WATER AT END OF YEAR	702.606	2550461.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.287	0.00

ANNUAL TOTALS FOR YEAR 2007

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.73	191409.875	100.00
RUNOFF	18.155	65903.031	34.43
EVAPOTRANSPIRATION	29.843	108331.023	56.60
DRAINAGE COLLECTED FROM LAYER 4	3.5381	12843.465	6.71
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.193	4332.116	2.26
SOIL WATER AT START OF YEAR	702.606	2550461.500	
SOIL WATER AT END OF YEAR	703.800	2554793.500	

SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.214	0.00

ANNUAL TOTALS FOR YEAR 2008

	INCHES	CU. FEET	PERCENT
PRECIPITATION	58.77	213335.094	100.00
RUNOFF	23.536	85436.039	40.05
EVAPOTRANSPIRATION	31.083	112830.000	52.89
DRAINAGE COLLECTED FROM LAYER 4	3.5562	12908.987	6.05
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.595	2160.187	1.01
SOIL WATER AT START OF YEAR	703.800	2554793.500	
SOIL WATER AT END OF YEAR	704.395	2556953.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.143	0.00

ANNUAL TOTALS FOR YEAR 2009

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	54.20	196745.984	100.00
RUNOFF	20.514	74464.328	37.85
EVAPOTRANSPIRATION	28.454	103287.336	52.50
DRAINAGE COLLECTED FROM LAYER 4	4.1181	14948.837	7.60
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.115	4045.642	2.06
SOIL WATER AT START OF YEAR	704.395	2556953.750	
SOIL WATER AT END OF YEAR	705.509	2560999.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.167	0.00

ANNUAL TOTALS FOR YEAR 2010

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.27	153440.109	100.00
RUNOFF	11.126	40387.203	26.32
EVAPOTRANSPIRATION	29.246	106163.305	69.19
DRAINAGE COLLECTED FROM LAYER 4	4.2127	15292.007	9.97
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00

AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-2.315	-8402.572	-5.48
SOIL WATER AT START OF YEAR	705.509	2560999.250	
SOIL WATER AT END OF YEAR	703.195	2552596.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.156	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1986 THROUGH 2010

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION						
TOTALS	4.22 6.65	3.50 7.23	4.19 5.48	2.69 3.96	2.52 1.96	7.31 2.81
STD. DEVIATIONS	2.74 2.00	3.18 3.12	2.85 3.49	2.33 3.48	2.56 1.51	3.29 2.18
RUNOFF						
TOTALS	1.392 2.136	1.149 2.417	1.374 2.103	0.845 1.928	0.739 0.480	2.623 0.905
STD. DEVIATIONS	1.513 1.125	2.052 2.125	1.521 2.222	1.239 2.541	1.592 0.633	1.777 1.093
EVAPOTRANSPIRATION						
TOTALS	1.904 4.497	2.202 4.341	2.675 3.173	1.849 1.961	1.666 1.089	3.795 1.289
STD. DEVIATIONS	0.548 1.055	0.501 0.918	1.090 1.060	1.007 0.920	1.138 0.725	1.217 0.585
LATERAL DRAINAGE COLLECTED FROM LAYER 4						
TOTALS	0.3879 0.4376	0.3279 0.3332	0.2819 0.2635	0.2271 0.2638	0.2470 0.2643	0.3233 0.2721

STD. DEVIATIONS	0.1171	0.1248	0.1308	0.1582	0.1390	0.1381
	0.1168	0.1153	0.0956	0.1266	0.1389	0.1456

PERCOLATION/LEAKAGE THROUGH LAYER 6

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

LATERAL DRAINAGE COLLECTED FROM LAYER 7

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PERCOLATION/LEAKAGE THROUGH LAYER 9

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 5

AVERAGES	0.0006	0.0006	0.0004	0.0004	0.0004	0.0005
	0.0007	0.0005	0.0004	0.0004	0.0004	0.0004

STD. DEVIATIONS	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002

DAILY AVERAGE HEAD ON TOP OF LAYER 8

AVERAGES	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1986 THROUGH 2010

	INCHES		CU. FEET	PERCENT
PRECIPITATION	52.53	(9.218)	190673.7	100.00
RUNOFF	18.092	(5.4470)	65672.86	34.443
EVAPOTRANSPIRATION	30.441	(3.6055)	110500.63	57.953
LATERAL DRAINAGE COLLECTED FROM LAYER 4	3.62951	(0.49470)	13175.110	6.90977
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.00000	(0.00000)	0.017	0.00001
AVERAGE HEAD ON TOP OF LAYER 5	0.000	(0.000)		
LATERAL DRAINAGE COLLECTED FROM LAYER 7	0.00000	(0.00000)	0.013	0.00001
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.00000	(0.00000)	0.004	0.00000
AVERAGE HEAD ON TOP OF LAYER 8	0.000	(0.000)		
CHANGE IN WATER STORAGE	0.365	(2.0140)	1325.12	0.695

PEAK DAILY VALUES FOR YEARS 1986 THROUGH 2010

	(INCHES)	(CU. FT.)
PRECIPITATION	7.50	27225.000
RUNOFF	6.638	24096.7734
DRAINAGE COLLECTED FROM LAYER 4	0.03080	111.79501
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.000000	0.00005
AVERAGE HEAD ON TOP OF LAYER 5	0.001	
MAXIMUM HEAD ON TOP OF LAYER 5	0.003	
LOCATION OF MAXIMUM HEAD IN LAYER 4 (DISTANCE FROM DRAIN)	19.5 FEET	
DRAINAGE COLLECTED FROM LAYER 7	0.00000	0.00004
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.000000	0.00001
AVERAGE HEAD ON TOP OF LAYER 8	0.000	
MAXIMUM HEAD ON TOP OF LAYER 8	0.002	
LOCATION OF MAXIMUM HEAD IN LAYER 7 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	0.00	0.0000
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3479
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.1360

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
by Bruce M. McEnroe, University of Kansas
ASCE Journal of Environmental Engineering
Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 2010

LAYER	(INCHES)	(VOL/VOL)
1	2.6017	0.2168
2	692.3537	0.2885
3	5.1000	0.2125
4	0.0034	0.0123
5	0.0000	0.0000
6	0.1275	0.7500
7	0.0025	0.0100
8	0.0000	0.0000
9	3.0060	0.5010
SNOW WATER	0.000	



LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 9

THICKNESS	=	2400.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2847	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.190000006000E-03	CM/SEC

LAYER 3

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS	=	24.00	INCHES
POROSITY	=	0.4570	VOL/VOL
FIELD CAPACITY	=	0.1310	VOL/VOL
WILTING POINT	=	0.0580	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2063	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.100000005000E-02	CM/SEC

LAYER 4

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	0.28	INCHES
POROSITY	=	0.8500	VOL/VOL
FIELD CAPACITY	=	0.0100	VOL/VOL
WILTING POINT	=	0.0050	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0133	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	28.6000004000	CM/SEC
SLOPE	=	1.93	PERCENT
DRAINAGE LENGTH	=	150.0	FEET

LAYER 5

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.06	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL

WILTING POINT = 0.0000 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
 FML PINHOLE DENSITY = 3.00 HOLES/ACRE
 FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
 FML PLACEMENT QUALITY = 3 - GOOD

LAYER 6

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 17

THICKNESS = 0.17 INCHES
 POROSITY = 0.7500 VOL/VOL
 FIELD CAPACITY = 0.7470 VOL/VOL
 WILTING POINT = 0.4000 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.7500 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.300000003000E-08 CM/SEC

LAYER 7

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.25 INCHES
 POROSITY = 0.8500 VOL/VOL
 FIELD CAPACITY = 0.0100 VOL/VOL
 WILTING POINT = 0.0050 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.0100 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 15.6999998000 CM/SEC
 SLOPE = 1.93 PERCENT
 DRAINAGE LENGTH = 150.0 FEET

LAYER 8

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS = 0.06 INCHES
 POROSITY = 0.0000 VOL/VOL
 FIELD CAPACITY = 0.0000 VOL/VOL
 WILTING POINT = 0.0000 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
 FML PINHOLE DENSITY = 3.00 HOLES/ACRE
 FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
 FML PLACEMENT QUALITY = 3 - GOOD

LAYER 9

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	6.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.5010	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.189999992000E-04	CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT SOIL DATA BASE USING SOIL TEXTURE #10 WITH BARE GROUND CONDITIONS, A SURFACE SLOPE OF 4.% AND A SLOPE LENGTH OF 200. FEET.

SCS RUNOFF CURVE NUMBER	=	94.10	
FRACTION OF AREA ALLOWING RUNOFF	=	100.0	PERCENT
AREA PROJECTED ON HORIZONTAL PLANE	=	1.000	ACRES
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
INITIAL WATER IN EVAPORATIVE ZONE	=	2.740	INCHES
UPPER LIMIT OF EVAPORATIVE STORAGE	=	4.776	INCHES
LOWER LIMIT OF EVAPORATIVE STORAGE	=	1.632	INCHES
INITIAL SNOW WATER	=	0.000	INCHES
INITIAL WATER IN LAYER MATERIALS	=	694.068	INCHES
TOTAL INITIAL WATER	=	694.068	INCHES
TOTAL SUBSURFACE INFLOW	=	0.00	INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM JACKSONVILLE FLORIDA

STATION LATITUDE	=	30.50	DEGREES
MAXIMUM LEAF AREA INDEX	=	0.00	
START OF GROWING SEASON (JULIAN DATE)	=	0	
END OF GROWING SEASON (JULIAN DATE)	=	367	
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
AVERAGE ANNUAL WIND SPEED	=	8.20	MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY	=	73.00	%
AVERAGE 2ND QUARTER RELATIVE HUMIDITY	=	72.00	%
AVERAGE 3RD QUARTER RELATIVE HUMIDITY	=	79.00	%

AVERAGE 4TH QUARTER RELATIVE HUMIDITY = 78.00 %

NOTE: PRECIPITATION DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR JACKSONVILLE FLORIDA
 AND STATION LATITUDE = 30.50 DEGREES

ANNUAL TOTALS FOR YEAR 1986

	INCHES	CU. FEET	PERCENT
PRECIPITATION	48.53	176163.875	100.00
RUNOFF	13.872	50354.863	28.58
EVAPOTRANSPIRATION	29.806	108195.094	61.42
DRAINAGE COLLECTED FROM LAYER 4	3.2717	11876.287	6.74
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.581	5737.456	3.26
SOIL WATER AT START OF YEAR	694.069	2519468.750	
SOIL WATER AT END OF YEAR	695.649	2525206.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.149	0.00

ANNUAL TOTALS FOR YEAR 1987

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.97	195911.125	100.00
RUNOFF	17.712	64295.312	32.82
EVAPOTRANSPIRATION	30.793	111778.367	57.06
DRAINAGE COLLECTED FROM LAYER 4	2.9374	10662.802	5.44
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.527	9174.479	4.68
SOIL WATER AT START OF YEAR	695.649	2525206.250	
SOIL WATER AT END OF YEAR	698.177	2534380.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.141	0.00

ANNUAL TOTALS FOR YEAR 1988

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	59.02	214242.609	100.00
RUNOFF	23.252	84405.383	39.40
EVAPOTRANSPIRATION	30.608	111106.203	51.86

DRAINAGE COLLECTED FROM LAYER 4	3.4545	12539.690	5.85
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.706	6191.428	2.89
SOIL WATER AT START OF YEAR	698.177	2534380.750	
SOIL WATER AT END OF YEAR	699.882	2540572.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.113	0.00

ANNUAL TOTALS FOR YEAR 1989

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.80	155364.016	100.00
RUNOFF	12.064	43791.027	28.19
EVAPOTRANSPIRATION	28.103	102015.437	65.66
DRAINAGE COLLECTED FROM LAYER 4	4.0401	14665.429	9.44
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.407	-5108.011	-3.29
SOIL WATER AT START OF YEAR	699.882	2540572.250	

SOIL WATER AT END OF YEAR	698.475	2535464.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.110	0.00

ANNUAL TOTALS FOR YEAR 1990

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	30.58	111005.398	100.00
RUNOFF	7.826	28407.687	25.59
EVAPOTRANSPIRATION	22.853	82956.875	74.73
DRAINAGE COLLECTED FROM LAYER 4	4.0500	14701.651	13.24
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-4.149	-15060.822	-13.57
SOIL WATER AT START OF YEAR	698.475	2535464.250	
SOIL WATER AT END OF YEAR	694.326	2520403.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.013	0.00

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
PRECIPITATION	72.99	264953.750	100.00
RUNOFF	28.905	104925.297	39.60
EVAPOTRANSPIRATION	38.235	138791.297	52.38
DRAINAGE COLLECTED FROM LAYER 4	2.8839	10468.612	3.95
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.967	10768.586	4.06
SOIL WATER AT START OF YEAR	694.326	2520403.250	
SOIL WATER AT END OF YEAR	697.293	2531172.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.059	0.00

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.82	224406.594	100.00
RUNOFF	25.169	91364.883	40.71
EVAPOTRANSPIRATION	33.432	121359.719	54.08
DRAINAGE COLLECTED FROM LAYER 4	3.4853	12651.608	5.64
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		

DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.267	-969.758	-0.43
SOIL WATER AT START OF YEAR	697.293	2531172.000	
SOIL WATER AT END OF YEAR	697.025	2530202.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.125	0.00

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.41	193878.266	100.00
RUNOFF	16.037	58212.680	30.03
EVAPOTRANSPIRATION	31.951	115980.930	59.82
DRAINAGE COLLECTED FROM LAYER 4	3.3467	12148.439	6.27
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.076	7536.282	3.89
SOIL WATER AT START OF YEAR	697.025	2530202.250	
SOIL WATER AT END OF YEAR	699.102	2537738.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

EVAPOTRANSPIRATION		34.286	124459.883	70.20
DRAINAGE COLLECTED FROM LAYER 4	4	4.2331	15366.322	8.67
PERC./LEAKAGE THROUGH LAYER 6	6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	8	0.0000		
CHANGE IN WATER STORAGE		-3.318	-12046.088	-6.79
SOIL WATER AT START OF YEAR		701.534	2546566.750	
SOIL WATER AT END OF YEAR		698.215	2534520.750	
SNOW WATER AT START OF YEAR		0.000	0.000	0.00
SNOW WATER AT END OF YEAR		0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE		0.0000	0.058	0.00

ANNUAL TOTALS FOR YEAR 1996

		INCHES	CU. FEET	PERCENT
		-----	-----	-----
PRECIPITATION		53.32	193551.578	100.00
RUNOFF		19.297	70049.086	36.19
EVAPOTRANSPIRATION		30.239	109769.219	56.71
DRAINAGE COLLECTED FROM LAYER 4	4	4.1304	14993.323	7.75
PERC./LEAKAGE THROUGH LAYER 6	6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	8	0.0000		
CHANGE IN WATER STORAGE		-0.347	-1259.998	-0.65

SOIL WATER AT START OF YEAR	698.215	2534520.750	
SOIL WATER AT END OF YEAR	697.868	2533260.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.059	0.00

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	50.98	185057.437	100.00
RUNOFF	16.118	58509.359	31.62
EVAPOTRANSPIRATION	29.565	107319.836	57.99
DRAINAGE COLLECTED FROM LAYER 4	3.6831	13369.792	7.22
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.614	5858.648	3.17
SOIL WATER AT START OF YEAR	697.868	2533260.750	
SOIL WATER AT END OF YEAR	699.482	2539119.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.213	0.00

ANNUAL TOTALS FOR YEAR 1998

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.29	218852.687	100.00
RUNOFF	26.956	97849.320	44.71
EVAPOTRANSPIRATION	27.503	99835.320	45.62
DRAINAGE COLLECTED FROM LAYER 4	2.5926	9411.090	4.30
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0003		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	3.239	11756.955	5.37
SOIL WATER AT START OF YEAR	699.482	2539119.500	
SOIL WATER AT END OF YEAR	702.721	2550876.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.017	0.00

ANNUAL TOTALS FOR YEAR 1999

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	40.67	147632.109	100.00
RUNOFF	12.405	45030.410	30.50
EVAPOTRANSPIRATION	25.696	93277.352	63.18
DRAINAGE COLLECTED FROM LAYER 4	4.2132	15293.992	10.36
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00

AVG. HEAD ON TOP OF LAYER 5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.645	-5969.870	-4.04
SOIL WATER AT START OF YEAR	702.721	2550876.250	
SOIL WATER AT END OF YEAR	701.076	2544906.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.209	0.00

ANNUAL TOTALS FOR YEAR 2000

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	41.56	150862.812	100.00
RUNOFF	10.904	39581.184	26.24
EVAPOTRANSPIRATION	27.355	99300.062	65.82
DRAINAGE COLLECTED FROM LAYER 4	3.9033	14168.808	9.39
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.603	-2187.217	-1.45
SOIL WATER AT START OF YEAR	701.076	2544906.500	
SOIL WATER AT END OF YEAR	700.474	2542719.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.049	0.00

ANNUAL TOTALS FOR YEAR 2001

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	47.55	172606.484	100.00
RUNOFF	16.858	61193.086	35.45
EVAPOTRANSPIRATION	28.105	102022.727	59.11
DRAINAGE COLLECTED FROM LAYER 4	3.8938	14134.411	8.19
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.307	-4743.770	-2.75
SOIL WATER AT START OF YEAR	700.474	2542719.250	
SOIL WATER AT END OF YEAR	699.167	2537975.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.012	0.00

ANNUAL TOTALS FOR YEAR 2002

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	62.56	227092.891	100.00

RUNOFF	22.500	81676.289	35.97
EVAPOTRANSPIRATION	34.981	126979.805	55.92
DRAINAGE COLLECTED FROM LAYER 4	3.8343	13918.490	6.13
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.245	4518.003	1.99
SOIL WATER AT START OF YEAR	699.167	2537975.500	
SOIL WATER AT END OF YEAR	700.411	2542493.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.282	0.00

ANNUAL TOTALS FOR YEAR 2003

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.24	211411.172	100.00
RUNOFF	19.527	70881.609	33.53
EVAPOTRANSPIRATION	35.513	128911.281	60.98
DRAINAGE COLLECTED FROM LAYER 4	3.0672	11134.047	5.27
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		

CHANGE IN WATER STORAGE	0.133	484.325	0.23
SOIL WATER AT START OF YEAR	700.411	2542493.500	
SOIL WATER AT END OF YEAR	700.545	2542977.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.100	0.00

ANNUAL TOTALS FOR YEAR 2004

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.67	220232.062	100.00
RUNOFF	22.935	83255.555	37.80
EVAPOTRANSPIRATION	31.651	114891.781	52.17
DRAINAGE COLLECTED FROM LAYER 4	3.7250	13521.810	6.14
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.359	8562.980	3.89
SOIL WATER AT START OF YEAR	700.545	2542977.750	
SOIL WATER AT END OF YEAR	702.904	2551540.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.082	0.00

ANNUAL TOTALS FOR YEAR 2005

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.90	224697.047	100.00
RUNOFF	22.504	81689.195	36.36
EVAPOTRANSPIRATION	34.630	125706.070	55.94
DRAINAGE COLLECTED FROM LAYER 4	3.1774	11534.106	5.13
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0004		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.589	5767.588	2.57
SOIL WATER AT START OF YEAR	702.904	2551540.750	
SOIL WATER AT END OF YEAR	704.493	2557308.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.071	0.00

ANNUAL TOTALS FOR YEAR 2006

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.53	154383.875	100.00
RUNOFF	15.757	57196.645	37.05
EVAPOTRANSPIRATION	24.301	88211.633	57.14
DRAINAGE COLLECTED FROM LAYER 4	4.3589	15822.887	10.25

PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.886	-6847.017	-4.44
SOIL WATER AT START OF YEAR	704.493	2557308.500	
SOIL WATER AT END OF YEAR	702.606	2550461.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.287	0.00

ANNUAL TOTALS FOR YEAR 2007

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.73	191409.875	100.00
RUNOFF	18.155	65903.031	34.43
EVAPOTRANSPIRATION	29.843	108331.023	56.60
DRAINAGE COLLECTED FROM LAYER 4	3.5381	12843.465	6.71
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.193	4332.116	2.26
SOIL WATER AT START OF YEAR	702.606	2550461.500	
SOIL WATER AT END OF YEAR	703.800	2554793.500	

SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.214	0.00

ANNUAL TOTALS FOR YEAR 2008

	INCHES	CU. FEET	PERCENT
PRECIPITATION	58.77	213335.094	100.00
RUNOFF	23.536	85436.039	40.05
EVAPOTRANSPIRATION	31.083	112830.000	52.89
DRAINAGE COLLECTED FROM LAYER 4	3.5562	12908.987	6.05
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.595	2160.187	1.01
SOIL WATER AT START OF YEAR	703.800	2554793.500	
SOIL WATER AT END OF YEAR	704.395	2556953.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.143	0.00

ANNUAL TOTALS FOR YEAR 2009

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	54.20	196745.984	100.00
RUNOFF	20.514	74464.328	37.85
EVAPOTRANSPIRATION	28.454	103287.336	52.50
DRAINAGE COLLECTED FROM LAYER 4	4.1181	14948.837	7.60
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0005		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.115	4045.642	2.06
SOIL WATER AT START OF YEAR	704.395	2556953.750	
SOIL WATER AT END OF YEAR	705.509	2560999.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.167	0.00

ANNUAL TOTALS FOR YEAR 2010

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.27	153440.109	100.00
RUNOFF	11.126	40387.203	26.32
EVAPOTRANSPIRATION	29.246	106163.305	69.19
DRAINAGE COLLECTED FROM LAYER 4	4.2127	15292.007	9.97
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0006		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00

AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-2.315	-8402.572	-5.48
SOIL WATER AT START OF YEAR	705.509	2560999.250	
SOIL WATER AT END OF YEAR	703.195	2552596.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.156	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1986 THROUGH 2010

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION						
TOTALS	4.22 6.65	3.50 7.23	4.19 5.48	2.69 3.96	2.52 1.96	7.31 2.81
STD. DEVIATIONS	2.74 2.00	3.18 3.12	2.85 3.49	2.33 3.48	2.56 1.51	3.29 2.18
RUNOFF						
TOTALS	1.392 2.136	1.149 2.417	1.374 2.103	0.845 1.928	0.739 0.480	2.623 0.905
STD. DEVIATIONS	1.513 1.125	2.052 2.125	1.521 2.222	1.239 2.541	1.592 0.633	1.777 1.093
EVAPOTRANSPIRATION						
TOTALS	1.904 4.497	2.202 4.341	2.675 3.173	1.849 1.961	1.666 1.089	3.795 1.289
STD. DEVIATIONS	0.548 1.055	0.501 0.918	1.090 1.060	1.007 0.920	1.138 0.725	1.217 0.585
LATERAL DRAINAGE COLLECTED FROM LAYER 4						
TOTALS	0.3879 0.4376	0.3279 0.3332	0.2819 0.2635	0.2271 0.2638	0.2470 0.2643	0.3233 0.2721

STD. DEVIATIONS	0.1171	0.1248	0.1308	0.1582	0.1390	0.1381
	0.1168	0.1153	0.0956	0.1266	0.1389	0.1456

PERCOLATION/LEAKAGE THROUGH LAYER 6

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

LATERAL DRAINAGE COLLECTED FROM LAYER 7

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PERCOLATION/LEAKAGE THROUGH LAYER 9

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 5

AVERAGES	0.0006	0.0006	0.0004	0.0004	0.0004	0.0005
	0.0007	0.0005	0.0004	0.0004	0.0004	0.0004
STD. DEVIATIONS	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002

DAILY AVERAGE HEAD ON TOP OF LAYER 8

AVERAGES	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1986 THROUGH 2010

	INCHES		CU. FEET	PERCENT
PRECIPITATION	52.53	(9.218)	190673.7	100.00
RUNOFF	18.092	(5.4470)	65672.86	34.443
EVAPOTRANSPIRATION	30.441	(3.6055)	110500.63	57.953
LATERAL DRAINAGE COLLECTED FROM LAYER 4	3.62951	(0.49470)	13175.110	6.90977
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.00000	(0.00000)	0.017	0.00001
AVERAGE HEAD ON TOP OF LAYER 5	0.000	(0.000)		
LATERAL DRAINAGE COLLECTED FROM LAYER 7	0.00000	(0.00000)	0.013	0.00001
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.00000	(0.00000)	0.004	0.00000
AVERAGE HEAD ON TOP OF LAYER 8	0.000	(0.000)		
CHANGE IN WATER STORAGE	0.365	(2.0140)	1325.12	0.695

PEAK DAILY VALUES FOR YEARS 1986 THROUGH 2010

	(INCHES)	(CU. FT.)
PRECIPITATION	7.50	27225.000
RUNOFF	6.638	24096.7734
DRAINAGE COLLECTED FROM LAYER 4	0.03080	111.79501
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.000000	0.00005
AVERAGE HEAD ON TOP OF LAYER 5	0.001	
MAXIMUM HEAD ON TOP OF LAYER 5	0.003	
LOCATION OF MAXIMUM HEAD IN LAYER 4 (DISTANCE FROM DRAIN)	19.5 FEET	
DRAINAGE COLLECTED FROM LAYER 7	0.00000	0.00004
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.000000	0.00001
AVERAGE HEAD ON TOP OF LAYER 8	0.000	
MAXIMUM HEAD ON TOP OF LAYER 8	0.002	
LOCATION OF MAXIMUM HEAD IN LAYER 7 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	0.00	0.0000
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3479
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.1360

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
by Bruce M. McEnroe, University of Kansas
ASCE Journal of Environmental Engineering
Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 2010

LAYER	(INCHES)	(VOL/VOL)
1	2.6017	0.2168
2	692.3537	0.2885
3	5.1000	0.2125
4	0.0034	0.0123
5	0.0000	0.0000
6	0.1275	0.7500
7	0.0025	0.0100
8	0.0000	0.0000
9	3.0060	0.5010
SNOW WATER	0.000	



LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS	=	12.00	INCHES
POROSITY	=	0.4570	VOL/VOL
FIELD CAPACITY	=	0.1310	VOL/VOL
WILTING POINT	=	0.0580	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.4570	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.100000005000E-02	CM/SEC

LAYER 3

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.04	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL
WILTING POINT	=	0.0000	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0000	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.399999993000E-12	CM/SEC
FML PINHOLE DENSITY	=	3.00	HOLES/ACRE
FML INSTALLATION DEFECTS	=	1.00	HOLES/ACRE
FML PLACEMENT QUALITY	=	3	- GOOD

LAYER 4

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 10

THICKNESS	=	12.00	INCHES
POROSITY	=	0.3980	VOL/VOL
FIELD CAPACITY	=	0.2440	VOL/VOL
WILTING POINT	=	0.1360	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2440	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.119999997000E-03	CM/SEC

LAYER 5

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 9

THICKNESS	=	2400.00	INCHES
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POROSITY = 0.5010 VOL/VOL
 FIELD CAPACITY = 0.2840 VOL/VOL
 WILTING POINT = 0.1350 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.2840 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.190000006000E-03 CM/SEC

LAYER 6

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS = 24.00 INCHES
 POROSITY = 0.4570 VOL/VOL
 FIELD CAPACITY = 0.1310 VOL/VOL
 WILTING POINT = 0.0580 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.1521 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.100000005000E-02 CM/SEC

LAYER 7

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.28 INCHES
 POROSITY = 0.8500 VOL/VOL
 FIELD CAPACITY = 0.0100 VOL/VOL
 WILTING POINT = 0.0050 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.0100 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 28.6000004000 CM/SEC
 SLOPE = 1.93 PERCENT
 DRAINAGE LENGTH = 150.0 FEET

LAYER 8

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS = 0.06 INCHES
 POROSITY = 0.0000 VOL/VOL
 FIELD CAPACITY = 0.0000 VOL/VOL
 WILTING POINT = 0.0000 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
 FML PINHOLE DENSITY = 3.00 HOLES/ACRE
 FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
 FML PLACEMENT QUALITY = 3 - GOOD

LAYER 9

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 17

THICKNESS	=	0.17	INCHES
POROSITY	=	0.7500	VOL/VOL
FIELD CAPACITY	=	0.7470	VOL/VOL
WILTING POINT	=	0.4000	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.7500	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.300000003000E-08	CM/SEC

LAYER 10

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	0.25	INCHES
POROSITY	=	0.8500	VOL/VOL
FIELD CAPACITY	=	0.0100	VOL/VOL
WILTING POINT	=	0.0050	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0100	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	15.6999998000	CM/SEC
SLOPE	=	1.93	PERCENT
DRAINAGE LENGTH	=	150.0	FEET

LAYER 11

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.06	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL
WILTING POINT	=	0.0000	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0000	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.399999993000E-12	CM/SEC
FML PINHOLE DENSITY	=	3.00	HOLES/ACRE
FML INSTALLATION DEFECTS	=	1.00	HOLES/ACRE
FML PLACEMENT QUALITY	=	3	- GOOD

LAYER 12

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	6.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.5010	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.189999992000E-04	CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT SOIL DATA BASE USING SOIL TEXTURE #10 WITH A FAIR STAND OF GRASS, A SURFACE SLOPE OF 4.% AND A SLOPE LENGTH OF 200. FEET.

SCS RUNOFF CURVE NUMBER	=	86.20	
FRACTION OF AREA ALLOWING RUNOFF	=	100.0	PERCENT
AREA PROJECTED ON HORIZONTAL PLANE	=	1.000	ACRES
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
INITIAL WATER IN EVAPORATIVE ZONE	=	4.200	INCHES
UPPER LIMIT OF EVAPORATIVE STORAGE	=	4.776	INCHES
LOWER LIMIT OF EVAPORATIVE STORAGE	=	1.632	INCHES
INITIAL SNOW WATER	=	0.000	INCHES
INITIAL WATER IN LAYER MATERIALS	=	701.000	INCHES
TOTAL INITIAL WATER	=	701.000	INCHES
TOTAL SUBSURFACE INFLOW	=	0.00	INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM JACKSONVILLE FLORIDA

STATION LATITUDE	=	30.50	DEGREES
MAXIMUM LEAF AREA INDEX	=	2.00	
START OF GROWING SEASON (JULIAN DATE)	=	0	
END OF GROWING SEASON (JULIAN DATE)	=	367	
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
AVERAGE ANNUAL WIND SPEED	=	8.20	MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY	=	73.00	%
AVERAGE 2ND QUARTER RELATIVE HUMIDITY	=	72.00	%
AVERAGE 3RD QUARTER RELATIVE HUMIDITY	=	79.00	%
AVERAGE 4TH QUARTER RELATIVE HUMIDITY	=	78.00	%

NOTE: PRECIPITATION DATA FOR JACKSONVILLE FLORIDA WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR JACKSONVILLE FLORIDA
 AND STATION LATITUDE = 30.50 DEGREES

ANNUAL TOTALS FOR YEAR 1986

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	48.53	176163.875	100.00
RUNOFF	9.546	34652.512	19.67
EVAPOTRANSPIRATION	38.445	139555.141	79.22
PERC./LEAKAGE THROUGH LAYER 3	0.538903	1956.217	1.11
AVG. HEAD ON TOP OF LAYER 3	15.3363		
DRAINAGE COLLECTED FROM LAYER 7	0.1471	533.855	0.30
PERC./LEAKAGE THROUGH LAYER 9	0.000000	0.001	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0001		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000000	0.001	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.392	1422.400	0.81
SOIL WATER AT START OF YEAR	703.928	2555258.000	
SOIL WATER AT END OF YEAR	704.320	2556680.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.041	0.00

ANNUAL TOTALS FOR YEAR 1987

	INCHES	CU. FEET	PERCENT
PRECIPITATION	53.97	195911.125	100.00
RUNOFF	15.441	56050.832	28.61
EVAPOTRANSPIRATION	40.439	146793.562	74.93
PERC./LEAKAGE THROUGH LAYER 3	0.575777	2090.070	1.07
AVG. HEAD ON TOP OF LAYER 3	16.5487		
DRAINAGE COLLECTED FROM LAYER 7	0.5233	1899.503	0.97
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.433	-8833.059	-4.51
SOIL WATER AT START OF YEAR	704.320	2556680.250	
SOIL WATER AT END OF YEAR	701.886	2547847.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.271	0.00

ANNUAL TOTALS FOR YEAR 1988

	INCHES	CU. FEET	PERCENT
PRECIPITATION	59.02	214242.609	100.00
RUNOFF	17.824	64701.957	30.20
EVAPOTRANSPIRATION	39.635	143875.687	67.16

PERC./LEAKAGE THROUGH LAYER 3	0.561236	2037.288	0.95
AVG. HEAD ON TOP OF LAYER 3	15.9972		
DRAINAGE COLLECTED FROM LAYER 7	0.5526	2005.760	0.94
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	1.008	3659.246	1.71
SOIL WATER AT START OF YEAR	701.886	2547847.250	
SOIL WATER AT END OF YEAR	702.894	2551506.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.058	0.00

ANNUAL TOTALS FOR YEAR 1989

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.80	155364.016	100.00
RUNOFF	4.060	14736.518	9.49
EVAPOTRANSPIRATION	37.629	136594.531	87.92
PERC./LEAKAGE THROUGH LAYER 3	0.479248	1739.671	1.12
AVG. HEAD ON TOP OF LAYER 3	13.3485		
DRAINAGE COLLECTED FROM LAYER 7	0.5199	1887.362	1.21
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00

PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.591	2145.564	1.38
SOIL WATER AT START OF YEAR	702.894	2551506.500	
SOIL WATER AT END OF YEAR	703.485	2553652.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.029	0.00

ANNUAL TOTALS FOR YEAR 1990

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	30.58	111005.398	100.00
RUNOFF	1.701	6175.248	5.56
EVAPOTRANSPIRATION	30.190	109590.656	98.73
PERC./LEAKAGE THROUGH LAYER 3	0.470986	1709.679	1.54
AVG. HEAD ON TOP OF LAYER 3	13.0847		
DRAINAGE COLLECTED FROM LAYER 7	0.4922	1786.860	1.61
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-1.804	-6547.249	-5.90
SOIL WATER AT START OF YEAR	703.485	2553652.000	
SOIL WATER AT END OF YEAR	701.682	2547104.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.119	0.00

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
PRECIPITATION	72.99	264953.750	100.00
RUNOFF	20.932	75984.719	28.68
EVAPOTRANSPIRATION	51.466	186821.875	70.51
PERC./LEAKAGE THROUGH LAYER 3	0.594722	2158.841	0.81
AVG. HEAD ON TOP OF LAYER 3	17.1378		
DRAINAGE COLLECTED FROM LAYER 7	0.5317	1930.067	0.73
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.060	217.126	0.08
SOIL WATER AT START OF YEAR	701.682	2547104.750	
SOIL WATER AT END OF YEAR	701.742	2547322.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.040	0.00

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.82	224406.594	100.00
RUNOFF	16.452	59722.324	26.61
EVAPOTRANSPIRATION	44.803	162633.641	72.47
PERC./LEAKAGE THROUGH LAYER 3	0.565641	2053.275	0.91
AVG. HEAD ON TOP OF LAYER 3	16.1486		
DRAINAGE COLLECTED FROM LAYER 7	0.5583	2026.672	0.90
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.007	23.928	0.01
SOIL WATER AT START OF YEAR	701.742	2547322.000	
SOIL WATER AT END OF YEAR	701.748	2547345.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.038	0.00

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
PRECIPITATION	53.41	193878.266	100.00
RUNOFF	8.112	29446.980	15.19
EVAPOTRANSPIRATION	42.334	153670.922	79.26
PERC./LEAKAGE THROUGH LAYER 3	0.580339	2106.632	1.09

AVG. HEAD ON TOP OF LAYER 3	16.6989		
DRAINAGE COLLECTED FROM LAYER 7	0.5737	2082.385	1.07
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.391	8678.190	4.48
SOIL WATER AT START OF YEAR	701.748	2547345.750	
SOIL WATER AT END OF YEAR	704.139	2556024.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.224	0.00

ANNUAL TOTALS FOR YEAR 1994

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.98	192317.359	100.00
RUNOFF	11.671	42366.961	22.03
EVAPOTRANSPIRATION	42.089	152784.062	79.44
PERC./LEAKAGE THROUGH LAYER 3	0.555210	2015.414	1.05
AVG. HEAD ON TOP OF LAYER 3	15.8448		
DRAINAGE COLLECTED FROM LAYER 7	0.5712	2073.492	1.08
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00

AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-1.352	-4907.058	-2.55
SOIL WATER AT START OF YEAR	704.139	2556024.000	
SOIL WATER AT END OF YEAR	702.787	2551117.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.096	0.00

ANNUAL TOTALS FOR YEAR 1995

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	48.84	177289.250	100.00
RUNOFF	4.713	17107.666	9.65
EVAPOTRANSPIRATION	43.390	157504.766	88.84
PERC./LEAKAGE THROUGH LAYER 3	0.506333	1837.990	1.04
AVG. HEAD ON TOP OF LAYER 3	14.2403		
DRAINAGE COLLECTED FROM LAYER 7	0.5091	1848.117	1.04
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.228	828.404	0.47
SOIL WATER AT START OF YEAR	702.787	2551117.000	
SOIL WATER AT END OF YEAR	703.015	2551945.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

PRECIPITATION	50.98	185057.437	100.00
RUNOFF	10.609	38510.156	20.81
EVAPOTRANSPIRATION	38.737	140614.672	75.98
PERC./LEAKAGE THROUGH LAYER 3	0.540413	1961.698	1.06
AVG. HEAD ON TOP OF LAYER 3	15.3593		
DRAINAGE COLLECTED FROM LAYER 7	0.5334	1936.348	1.05
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	1.101	3996.013	2.16
SOIL WATER AT START OF YEAR	703.669	2554318.250	
SOIL WATER AT END OF YEAR	704.770	2558314.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.250	0.00

ANNUAL TOTALS FOR YEAR 1998

	INCHES	CU. FEET	PERCENT
PRECIPITATION	60.29	218852.687	100.00
RUNOFF	26.360	95687.750	43.72
EVAPOTRANSPIRATION	36.397	132122.875	60.37
PERC./LEAKAGE THROUGH LAYER 3	0.553066	2007.630	0.92
AVG. HEAD ON TOP OF LAYER 3	15.7973		
DRAINAGE COLLECTED FROM LAYER 7	0.5635	2045.429	0.93

PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-3.031	-11003.216	-5.03
SOIL WATER AT START OF YEAR	704.770	2558314.250	
SOIL WATER AT END OF YEAR	701.739	2547311.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.157	0.00

ANNUAL TOTALS FOR YEAR 1999

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	40.67	147632.109	100.00
RUNOFF	4.034	14642.481	9.92
EVAPOTRANSPIRATION	35.859	130169.766	88.17
PERC./LEAKAGE THROUGH LAYER 3	0.478877	1738.323	1.18
AVG. HEAD ON TOP OF LAYER 3	13.3585		
DRAINAGE COLLECTED FROM LAYER 7	0.5050	1833.084	1.24
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.272	986.818	0.67

SOIL WATER AT START OF YEAR	701.739	2547311.000	
SOIL WATER AT END OF YEAR	702.010	2548298.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.045	0.00

ANNUAL TOTALS FOR YEAR 2000

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	41.56	150862.812	100.00
RUNOFF	4.385	15918.191	10.55
EVAPOTRANSPIRATION	34.664	125828.570	83.41
PERC./LEAKAGE THROUGH LAYER 3	0.515579	1871.551	1.24
AVG. HEAD ON TOP OF LAYER 3	14.5151		
DRAINAGE COLLECTED FROM LAYER 7	0.4867	1766.648	1.17
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.025	7349.288	4.87
SOIL WATER AT START OF YEAR	702.010	2548298.000	
SOIL WATER AT END OF YEAR	704.035	2555647.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.108	0.00

ANNUAL TOTALS FOR YEAR 2001

	INCHES	CU. FEET	PERCENT
PRECIPITATION	47.55	172606.484	100.00
RUNOFF	11.157	40500.039	23.46
EVAPOTRANSPIRATION	38.050	138123.156	80.02
PERC./LEAKAGE THROUGH LAYER 3	0.515603	1871.638	1.08
AVG. HEAD ON TOP OF LAYER 3	14.5376		
DRAINAGE COLLECTED FROM LAYER 7	0.5152	1870.099	1.08
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.173	-7886.565	-4.57
SOIL WATER AT START OF YEAR	704.035	2555647.250	
SOIL WATER AT END OF YEAR	701.862	2547760.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.253	0.00

ANNUAL TOTALS FOR YEAR 2002

	INCHES	CU. FEET	PERCENT
PRECIPITATION	62.56	227092.891	100.00

RUNOFF	15.790	57318.633	25.24
EVAPOTRANSPIRATION	43.452	157729.656	69.46
PERC./LEAKAGE THROUGH LAYER 3	0.599866	2177.514	0.96
AVG. HEAD ON TOP OF LAYER 3	17.2824		
DRAINAGE COLLECTED FROM LAYER 7	0.5183	1881.372	0.83
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.800	10163.069	4.48
SOIL WATER AT START OF YEAR	701.862	2547760.500	
SOIL WATER AT END OF YEAR	704.662	2557923.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.158	0.00

ANNUAL TOTALS FOR YEAR 2003

	INCHES	CU. FEET	PERCENT
PRECIPITATION	58.24	211411.172	100.00
RUNOFF	15.482	56198.895	26.58
EVAPOTRANSPIRATION	45.060	163566.375	77.37
PERC./LEAKAGE THROUGH LAYER 3	0.559369	2030.510	0.96
AVG. HEAD ON TOP OF LAYER 3	15.9855		
DRAINAGE COLLECTED FROM LAYER 7	0.6426	2332.656	1.10
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00

AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.944	-10686.610	-5.05
SOIL WATER AT START OF YEAR	704.662	2557923.750	
SOIL WATER AT END OF YEAR	701.718	2547237.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.142	0.00

ANNUAL TOTALS FOR YEAR 2004

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.67	220232.062	100.00
RUNOFF	17.721	64326.984	29.21
EVAPOTRANSPIRATION	39.492	143354.250	65.09
PERC./LEAKAGE THROUGH LAYER 3	0.551989	2003.720	0.91
AVG. HEAD ON TOP OF LAYER 3	15.6846		
DRAINAGE COLLECTED FROM LAYER 7	0.5206	1889.746	0.86
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.937	10661.353	4.84
SOIL WATER AT START OF YEAR	701.718	2547237.000	

SOIL WATER AT END OF YEAR	704.655	2557898.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.264	0.00

ANNUAL TOTALS FOR YEAR 2005

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	61.90	224697.047	100.00
RUNOFF	15.100	54811.922	24.39
EVAPOTRANSPIRATION	46.324	168157.609	74.84
PERC./LEAKAGE THROUGH LAYER 3	0.549454	1994.519	0.89
AVG. HEAD ON TOP OF LAYER 3	15.6302		
DRAINAGE COLLECTED FROM LAYER 7	0.5902	2142.494	0.95
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-0.114	-415.199	-0.18
SOIL WATER AT START OF YEAR	704.655	2557898.500	
SOIL WATER AT END OF YEAR	704.541	2557483.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.222	0.00

ANNUAL TOTALS FOR YEAR 2006

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.53	154383.875	100.00
RUNOFF	9.188	33352.234	21.60
EVAPOTRANSPIRATION	33.045	119952.500	77.70
PERC./LEAKAGE THROUGH LAYER 3	0.500197	1815.715	1.18
AVG. HEAD ON TOP OF LAYER 3	14.0844		
DRAINAGE COLLECTED FROM LAYER 7	0.5315	1929.420	1.25
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-0.234	-850.338	-0.55
SOIL WATER AT START OF YEAR	704.541	2557483.250	
SOIL WATER AT END OF YEAR	704.307	2556633.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.063	0.00

ANNUAL TOTALS FOR YEAR 2007

	INCHES	CU. FEET	PERCENT
PRECIPITATION	52.73	191409.875	100.00
RUNOFF	11.082	40227.344	21.02
EVAPOTRANSPIRATION	40.844	148262.016	77.46

PERC./LEAKAGE THROUGH LAYER 3	0.565391	2052.369	1.07
AVG. HEAD ON TOP OF LAYER 3	16.1882		
DRAINAGE COLLECTED FROM LAYER 7	0.4950	1796.789	0.94
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.310	1123.740	0.59
SOIL WATER AT START OF YEAR	704.307	2556633.000	
SOIL WATER AT END OF YEAR	704.616	2557756.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.015	0.00

ANNUAL TOTALS FOR YEAR 2008

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	58.77	213335.094	100.00
RUNOFF	21.065	76467.312	35.84
EVAPOTRANSPIRATION	40.025	145289.094	68.10
PERC./LEAKAGE THROUGH LAYER 3	0.560386	2034.200	0.95
AVG. HEAD ON TOP OF LAYER 3	15.9507		
DRAINAGE COLLECTED FROM LAYER 7	0.5928	2152.010	1.01
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00

PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.913	-10573.395	-4.96
SOIL WATER AT START OF YEAR	704.616	2557756.500	
SOIL WATER AT END OF YEAR	701.703	2547183.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.060	0.00

ANNUAL TOTALS FOR YEAR 2009

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	54.20	196745.984	100.00
RUNOFF	13.198	47907.750	24.35
EVAPOTRANSPIRATION	37.965	137813.422	70.05
PERC./LEAKAGE THROUGH LAYER 3	0.507039	1840.552	0.94
AVG. HEAD ON TOP OF LAYER 3	14.2681		
DRAINAGE COLLECTED FROM LAYER 7	0.5236	1900.534	0.97
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.514	9124.186	4.64
SOIL WATER AT START OF YEAR	701.703	2547183.250	
SOIL WATER AT END OF YEAR	704.217	2556307.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.095	0.00

ANNUAL TOTALS FOR YEAR 2010

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.27	153440.109	100.00
RUNOFF	5.172	18773.242	12.23
EVAPOTRANSPIRATION	38.736	140610.453	91.64
PERC./LEAKAGE THROUGH LAYER 3	0.517352	1877.989	1.22
AVG. HEAD ON TOP OF LAYER 3	14.6439		
DRAINAGE COLLECTED FROM LAYER 7	0.5250	1905.871	1.24
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0002		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000001	0.002	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.162	-7849.122	-5.12
SOIL WATER AT START OF YEAR	704.217	2556307.500	
SOIL WATER AT END OF YEAR	702.055	2548458.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.327	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1986 THROUGH 2010

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
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PRECIPITATION						

TOTALS	4.22	3.50	4.19	2.69	2.52	7.31
	6.65	7.23	5.48	3.96	1.96	2.81
STD. DEVIATIONS	2.74	3.18	2.85	2.33	2.56	3.29
	2.00	3.12	3.49	3.48	1.51	2.18
RUNOFF						

TOTALS	1.432	1.201	1.048	0.452	0.389	1.109
	1.086	1.422	1.480	1.573	0.276	0.662
STD. DEVIATIONS	1.960	2.697	1.952	0.936	1.534	1.279
	1.201	2.448	2.551	2.595	0.638	1.316
EVAPOTRANSPIRATION						

TOTALS	2.315	2.594	3.509	2.884	2.306	4.924
	5.823	5.440	4.195	2.867	1.550	1.541
STD. DEVIATIONS	0.428	0.570	0.970	1.295	1.665	1.423
	1.199	0.849	1.143	1.073	0.835	0.718
PERCOLATION/LEAKAGE THROUGH LAYER 3						

TOTALS	0.0508	0.0464	0.0486	0.0400	0.0381	0.0413
	0.0477	0.0478	0.0462	0.0456	0.0404	0.0454
STD. DEVIATIONS	0.0100	0.0086	0.0090	0.0057	0.0028	0.0063
	0.0075	0.0076	0.0079	0.0073	0.0080	0.0095
LATERAL DRAINAGE COLLECTED FROM LAYER 7						

TOTALS	0.0454	0.0374	0.0400	0.0397	0.0469	0.0499
	0.0478	0.0432	0.0401	0.0410	0.0421	0.0486
STD. DEVIATIONS	0.0128	0.0114	0.0122	0.0103	0.0122	0.0129
	0.0124	0.0094	0.0060	0.0096	0.0073	0.0070
PERCOLATION/LEAKAGE THROUGH LAYER 9						

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LATERAL DRAINAGE COLLECTED FROM LAYER 10						

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PERCOLATION/LEAKAGE THROUGH LAYER 12

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 3

AVERAGES	17.2619	17.3157	16.3945	13.6027	12.3649	14.1211
	16.0466	16.0908	16.0686	15.2377	13.7541	15.1822

STD. DEVIATIONS	3.8303	3.6215	3.4486	2.2428	1.0895	2.5122
	2.8718	2.9332	3.1438	2.7983	3.1835	3.6560

DAILY AVERAGE HEAD ON TOP OF LAYER 8

AVERAGES	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002

STD. DEVIATIONS	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000

DAILY AVERAGE HEAD ON TOP OF LAYER 11

AVERAGES	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1986 THROUGH 2010

	INCHES		CU. FEET	PERCENT
	-----	-----	-----	-----
PRECIPITATION	52.53	(9.218)	190673.7	100.00
RUNOFF	12.131	(6.2141)	44035.03	23.094

EVAPOTRANSPIRATION	39.949	(4.4585)	145015.47	76.054
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.53835	(0.03587)	1954.218	1.02490
AVERAGE HEAD ON TOP OF LAYER 3	15.287	(1.171)		
LATERAL DRAINAGE COLLECTED FROM LAYER 7	0.52210	(0.08603)	1895.217	0.99396
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.00000	(0.00000)	0.003	0.00000
AVERAGE HEAD ON TOP OF LAYER 8	0.000	(0.000)		
LATERAL DRAINAGE COLLECTED FROM LAYER 10	0.00000	(0.00000)	0.001	0.00000
PERCOLATION/LEAKAGE THROUGH LAYER 12	0.00000	(0.00000)	0.002	0.00000
AVERAGE HEAD ON TOP OF LAYER 11	0.000	(0.000)		
CHANGE IN WATER STORAGE	-0.075	(1.8557)	-271.98	-0.143

PEAK DAILY VALUES FOR YEARS 1986 THROUGH 2010

	(INCHES)	(CU. FT.)
PRECIPITATION	7.50	27225.000
RUNOFF	7.211	26175.9160
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.002206	8.00791
AVERAGE HEAD ON TOP OF LAYER 3	24.000	
DRAINAGE COLLECTED FROM LAYER 7	0.00306	11.10672
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.000000	0.00003
AVERAGE HEAD ON TOP OF LAYER 8	0.000	
MAXIMUM HEAD ON TOP OF LAYER 8	0.000	
LOCATION OF MAXIMUM HEAD IN LAYER 7 (DISTANCE FROM DRAIN)	0.0 FEET	
DRAINAGE COLLECTED FROM LAYER 10	0.00000	0.00002
PERCOLATION/LEAKAGE THROUGH LAYER 12	0.000000	0.00001
AVERAGE HEAD ON TOP OF LAYER 11	0.000	
MAXIMUM HEAD ON TOP OF LAYER 11	0.001	
LOCATION OF MAXIMUM HEAD IN LAYER 10 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	0.00	0.0000
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3980
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.1360

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
by Bruce M. McEnroe, University of Kansas
ASCE Journal of Environmental Engineering
Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 2010

LAYER	(INCHES)	(VOL/VOL)
1	2.0122	0.1677
2	5.3917	0.4493
3	0.0000	0.0000
4	2.9280	0.2440
5	681.6000	0.2840
6	4.0559	0.1690
7	0.0027	0.0100
8	0.0000	0.0000
9	0.1275	0.7500
10	0.0025	0.0100
11	0.0000	0.0000
12	3.0060	0.5010
SNOW WATER	0.000	

HELP RESULTS

ITERATION NO. 2

LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 9

THICKNESS	=	120.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.3198	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.190000006000E-03	CM/SEC

LAYER 3

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS	=	24.00	INCHES
POROSITY	=	0.4570	VOL/VOL
FIELD CAPACITY	=	0.1310	VOL/VOL
WILTING POINT	=	0.0580	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2108	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.100000005000E-02	CM/SEC

LAYER 4

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	0.28	INCHES
POROSITY	=	0.8500	VOL/VOL
FIELD CAPACITY	=	0.0100	VOL/VOL
WILTING POINT	=	0.0050	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0140	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	29.6000004000	CM/SEC
SLOPE	=	1.93	PERCENT
DRAINAGE LENGTH	=	150.0	FEET

LAYER 5

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.06	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL
WILTING POINT	=	0.0000	VOL/VOL

INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 6

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 17

THICKNESS = 0.17 INCHES
POROSITY = 0.7500 VOL/VOL
FIELD CAPACITY = 0.7470 VOL/VOL
WILTING POINT = 0.4000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.7500 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.300000003000E-08 CM/SEC

LAYER 7

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.25 INCHES
POROSITY = 0.8500 VOL/VOL
FIELD CAPACITY = 0.0100 VOL/VOL
WILTING POINT = 0.0050 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0100 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 13.0000000000 CM/SEC
SLOPE = 1.93 PERCENT
DRAINAGE LENGTH = 150.0 FEET

LAYER 8

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 36

THICKNESS = 0.06 INCHES
POROSITY = 0.0000 VOL/VOL
FIELD CAPACITY = 0.0000 VOL/VOL
WILTING POINT = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 9

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	6.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.5010	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.189999992000E-04	CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS USER-SPECIFIED.

SCS RUNOFF CURVE NUMBER	=	83.31	
FRACTION OF AREA ALLOWING RUNOFF	=	0.0	PERCENT
AREA PROJECTED ON HORIZONTAL PLANE	=	1.000	ACRES
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
INITIAL WATER IN EVAPORATIVE ZONE	=	2.736	INCHES
UPPER LIMIT OF EVAPORATIVE STORAGE	=	4.776	INCHES
LOWER LIMIT OF EVAPORATIVE STORAGE	=	1.632	INCHES
INITIAL SNOW WATER	=	0.000	INCHES
INITIAL WATER IN LAYER MATERIALS	=	49.312	INCHES
TOTAL INITIAL WATER	=	49.312	INCHES
TOTAL SUBSURFACE INFLOW	=	0.00	INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM
JACKSONVILLE FLORIDA

STATION LATITUDE	=	30.50	DEGREES
MAXIMUM LEAF AREA INDEX	=	0.00	
START OF GROWING SEASON (JULIAN DATE)	=	0	
END OF GROWING SEASON (JULIAN DATE)	=	367	
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
AVERAGE ANNUAL WIND SPEED	=	8.20	MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY	=	73.00	%
AVERAGE 2ND QUARTER RELATIVE HUMIDITY	=	72.00	%
AVERAGE 3RD QUARTER RELATIVE HUMIDITY	=	79.00	%
AVERAGE 4TH QUARTER RELATIVE HUMIDITY	=	78.00	%

NOTE: PRECIPITATION DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR JACKSONVILLE FLORIDA
 AND STATION LATITUDE = 30.50 DEGREES

ANNUAL TOTALS FOR YEAR 1986

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	48.53	176163.875	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.524	118063.391	67.02
DRAINAGE COLLECTED FROM LAYER 4	16.0741	58349.090	33.12
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0021		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.068	-248.505	-0.14
SOIL WATER AT START OF YEAR	49.312	179001.750	
SOIL WATER AT END OF YEAR	49.243	178753.234	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.122	0.00

ANNUAL TOTALS FOR YEAR 1987

	INCHES	CU. FEET	PERCENT
PRECIPITATION	53.97	195911.125	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.520	118047.711	60.26
DRAINAGE COLLECTED FROM LAYER 4	22.4177	81376.266	41.54
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0029		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.968	-3512.893	-1.79
SOIL WATER AT START OF YEAR	49.243	178753.234	
SOIL WATER AT END OF YEAR	48.276	175240.344	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.017	0.00

ANNUAL TOTALS FOR YEAR 1988

	INCHES	CU. FEET	PERCENT
PRECIPITATION	59.02	214242.609	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.830	119171.133	55.62
DRAINAGE COLLECTED FROM LAYER 4	25.7107	93329.984	43.56
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00

AVG. HEAD ON TOP OF LAYER 5	0.0033		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.480	1741.471	0.81
SOIL WATER AT START OF YEAR	48.276	175240.344	
SOIL WATER AT END OF YEAR	48.755	176981.812	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.004	0.00

ANNUAL TOTALS FOR YEAR 1989

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.80	155364.016	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	31.690	115035.820	74.04
DRAINAGE COLLECTED FROM LAYER 4	11.0275	40029.852	25.77
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0014		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.082	298.383	0.19
SOIL WATER AT START OF YEAR	48.755	176981.812	
SOIL WATER AT END OF YEAR	48.838	177280.203	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.062	0.00

ANNUAL TOTALS FOR YEAR 1990

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	30.58	111005.398	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	25.356	92041.992	82.92
DRAINAGE COLLECTED FROM LAYER 4	8.3613	30351.541	27.34
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0011		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-3.137	-11388.158	-10.26
SOIL WATER AT START OF YEAR	48.838	177280.203	
SOIL WATER AT END OF YEAR	45.700	165892.047	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.007	0.00

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
	-----	-----	-----

PRECIPITATION	72.99	264953.750	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	39.963	145067.219	54.75
DRAINAGE COLLECTED FROM LAYER 4	32.0395	116303.445	43.90
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.019	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0041		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.987	3583.044	1.35
SOIL WATER AT START OF YEAR	45.700	165892.047	
SOIL WATER AT END OF YEAR	46.687	169475.078	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.023	0.00

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	61.82	224406.594	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	35.907	130344.062	58.08
DRAINAGE COLLECTED FROM LAYER 4	25.2669	91718.977	40.87
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0032		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00

AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.646	2343.512	1.04
SOIL WATER AT START OF YEAR	46.687	169475.078	
SOIL WATER AT END OF YEAR	47.333	171818.594	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.031	0.00

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.41	193878.266	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	33.289	120840.781	62.33
DRAINAGE COLLECTED FROM LAYER 4	16.7924	60956.449	31.44
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0021		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	3.328	12081.149	6.23
SOIL WATER AT START OF YEAR	47.333	171818.594	
SOIL WATER AT END OF YEAR	50.661	183899.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.135	0.00

ANNUAL TOTALS FOR YEAR 1994

	INCHES	CU. FEET	PERCENT
PRECIPITATION	52.98	192317.359	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	34.290	124471.859	64.72
DRAINAGE COLLECTED FROM LAYER 4	20.3357	73818.469	38.38
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0026		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.645	-5972.958	-3.11
SOIL WATER AT START OF YEAR	50.661	183899.750	
SOIL WATER AT END OF YEAR	49.016	177926.781	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.032	0.00

ANNUAL TOTALS FOR YEAR 1995

	INCHES	CU. FEET	PERCENT
PRECIPITATION	48.84	177289.250	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	37.779	137136.328	77.35
DRAINAGE COLLECTED FROM LAYER 4	12.7204	46174.949	26.04

PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0016		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.659	-6022.061	-3.40
SOIL WATER AT START OF YEAR	49.016	177926.781	
SOIL WATER AT END OF YEAR	47.357	171904.734	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.021	0.00

ANNUAL TOTALS FOR YEAR 1996

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.32	193551.578	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	33.380	121169.406	62.60
DRAINAGE COLLECTED FROM LAYER 4	16.9880	61666.500	31.86
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0021		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.952	10715.634	5.54
SOIL WATER AT START OF YEAR	47.357	171904.734	
SOIL WATER AT END OF YEAR	50.309	182620.359	

SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.031	0.00

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	50.98	185057.437	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.286	117196.672	63.33
DRAINAGE COLLECTED FROM LAYER 4	13.9044	50472.973	27.27
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0018		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	4.790	17387.773	9.40
SOIL WATER AT START OF YEAR	50.309	182620.359	
SOIL WATER AT END OF YEAR	55.099	200008.141	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.010	0.00

ANNUAL TOTALS FOR YEAR 1998

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.29	218852.687	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	29.789	108132.812	49.41
DRAINAGE COLLECTED FROM LAYER 4	38.4197	139463.516	63.72
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.019	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0049		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.918	-28743.652	-13.13
SOIL WATER AT START OF YEAR	55.099	200008.141	
SOIL WATER AT END OF YEAR	47.180	171264.484	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.005	0.00

ANNUAL TOTALS FOR YEAR 1999

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	40.67	147632.109	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	27.391	99430.844	67.35
DRAINAGE COLLECTED FROM LAYER 4	13.5172	49067.535	33.24
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0017		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00

PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.239	-866.290	-0.59
SOIL WATER AT START OF YEAR	47.180	171264.484	
SOIL WATER AT END OF YEAR	46.942	170398.187	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.003	0.00

ANNUAL TOTALS FOR YEAR 2000

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	41.56	150862.812	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	28.434	103215.078	68.42
DRAINAGE COLLECTED FROM LAYER 4	10.8372	39338.941	26.08
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0014		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.289	8308.799	5.51
SOIL WATER AT START OF YEAR	46.942	170398.187	
SOIL WATER AT END OF YEAR	49.231	178706.984	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.035	0.00

ANNUAL TOTALS FOR YEAR 2001

	INCHES	CU. FEET	PERCENT
PRECIPITATION	47.55	172606.484	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	29.584	107390.187	62.22
DRAINAGE COLLECTED FROM LAYER 4	19.8805	72166.266	41.81
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0025		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.915	-6949.917	-4.03
SOIL WATER AT START OF YEAR	49.231	178706.984	
SOIL WATER AT END OF YEAR	47.316	171757.078	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.073	0.00

ANNUAL TOTALS FOR YEAR 2002

	INCHES	CU. FEET	PERCENT
PRECIPITATION	62.56	227092.891	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	36.981	134242.844	59.11

DRAINAGE COLLECTED FROM LAYER 4	19.2414	69846.414	30.76
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0024		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	6.337	23003.441	10.13
SOIL WATER AT START OF YEAR	47.316	171757.078	
SOIL WATER AT END OF YEAR	53.653	194760.516	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.176	0.00

ANNUAL TOTALS FOR YEAR 2003

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.24	211411.172	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	37.624	136574.687	64.60
DRAINAGE COLLECTED FROM LAYER 4	27.8136	100963.289	47.76
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0035		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.197	-26126.877	-12.36
SOIL WATER AT START OF YEAR	53.653	194760.516	

SOIL WATER AT END OF YEAR	46.456	168633.641	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.058	0.00

ANNUAL TOTALS FOR YEAR 2004

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.67	220232.062	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.532	118090.555	53.62
DRAINAGE COLLECTED FROM LAYER 4	22.5231	81758.727	37.12
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0029		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	5.615	20382.746	9.26
SOIL WATER AT START OF YEAR	46.456	168633.641	
SOIL WATER AT END OF YEAR	52.071	189016.391	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.017	0.00

ANNUAL TOTALS FOR YEAR 2005

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.90	224697.047	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	36.078	130962.594	58.28
DRAINAGE COLLECTED FROM LAYER 4	24.6586	89510.703	39.84
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0031		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.014	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.164	4223.705	1.88
SOIL WATER AT START OF YEAR	52.071	189016.391	
SOIL WATER AT END OF YEAR	53.234	193240.094	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.023	0.00

ANNUAL TOTALS FOR YEAR 2006

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.53	154383.875	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	27.353	99291.617	64.31
DRAINAGE COLLECTED FROM LAYER 4	18.9013	68611.766	44.44
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0024		

DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-3.724	-13519.432	-8.76
SOIL WATER AT START OF YEAR	53.234	193240.094	
SOIL WATER AT END OF YEAR	49.510	179720.656	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.087	0.00

ANNUAL TOTALS FOR YEAR 2007

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.73	191409.875	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	32.805	119083.234	62.21
DRAINAGE COLLECTED FROM LAYER 4	18.7819	68178.242	35.62
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0024		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.143	4148.403	2.17
SOIL WATER AT START OF YEAR	49.510	179720.656	
SOIL WATER AT END OF YEAR	50.653	183869.062	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

EVAPOTRANSPIRATION	30.378	110272.617	56.05
DRAINAGE COLLECTED FROM LAYER 4	20.7942	75483.125	38.37
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0026		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.005	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	3.028	10990.241	5.59
SOIL WATER AT START OF YEAR	46.020	167051.625	
SOIL WATER AT END OF YEAR	49.047	178041.859	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.011	0.00

ANNUAL TOTALS FOR YEAR 2010

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.27	153440.109	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	31.939	115938.055	75.56
DRAINAGE COLLECTED FROM LAYER 4	12.1596	44139.516	28.77
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0015		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.013	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000001	0.004	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.829	-6637.465	-4.33

SOIL WATER AT START OF YEAR	49.047	178041.859	
SOIL WATER AT END OF YEAR	47.219	171404.391	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.007	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1986 THROUGH 2010

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC

PRECIPITATION						

TOTALS	4.22 6.65	3.50 7.23	4.19 5.48	2.69 3.96	2.52 1.96	7.31 2.81
STD. DEVIATIONS	2.74 2.00	3.18 3.12	2.85 3.49	2.33 3.48	2.56 1.51	3.29 2.18
RUNOFF						

TOTALS	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
STD. DEVIATIONS	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
EVAPOTRANSPIRATION						

TOTALS	1.960 4.794	2.239 4.571	2.804 3.379	2.052 2.104	1.951 1.194	4.243 1.362
STD. DEVIATIONS	0.535 1.038	0.521 0.828	1.085 1.108	1.025 0.991	1.392 0.779	1.297 0.609
LATERAL DRAINAGE COLLECTED FROM LAYER 4						

TOTALS	1.2971 1.1316	1.4845 1.7859	1.8192 2.2687	1.5994 2.6865	1.2911 2.0069	1.1924 1.3948
STD. DEVIATIONS	0.8846 0.7746	1.2647 1.6380	1.8389 1.8298	1.3059 1.8197	0.9019 0.8479	1.1391 0.5926

PERCOLATION/LEAKAGE THROUGH LAYER 6

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

LATERAL DRAINAGE COLLECTED FROM LAYER 7

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PERCOLATION/LEAKAGE THROUGH LAYER 9

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 5

AVERAGES	0.0019	0.0024	0.0027	0.0025	0.0019	0.0018
	0.0017	0.0027	0.0035	0.0040	0.0031	0.0021
STD. DEVIATIONS	0.0013	0.0021	0.0027	0.0020	0.0013	0.0018
	0.0012	0.0024	0.0028	0.0027	0.0013	0.0009

DAILY AVERAGE HEAD ON TOP OF LAYER 8

AVERAGES	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1986 THROUGH 2010

	INCHES		CU. FEET	PERCENT
PRECIPITATION	52.53	(9.218)	190673.7	100.00

RUNOFF	0.000	(0.0000)	0.00	0.000
EVAPOTRANSPIRATION	32.653	(3.5433)	118529.52	62.164
LATERAL DRAINAGE COLLECTED FROM LAYER 4	19.95815	(7.26767)	72448.094	37.99585
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.00000	(0.00000)	0.018	0.00001
AVERAGE HEAD ON TOP OF LAYER 5	0.003	(0.001)		
LATERAL DRAINAGE COLLECTED FROM LAYER 7	0.00000	(0.00000)	0.013	0.00001
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.00000	(0.00000)	0.005	0.00000
AVERAGE HEAD ON TOP OF LAYER 8	0.000	(0.000)		
CHANGE IN WATER STORAGE	-0.084	(3.5712)	-303.89	-0.159

PEAK DAILY VALUES FOR YEARS 1986 THROUGH 2010

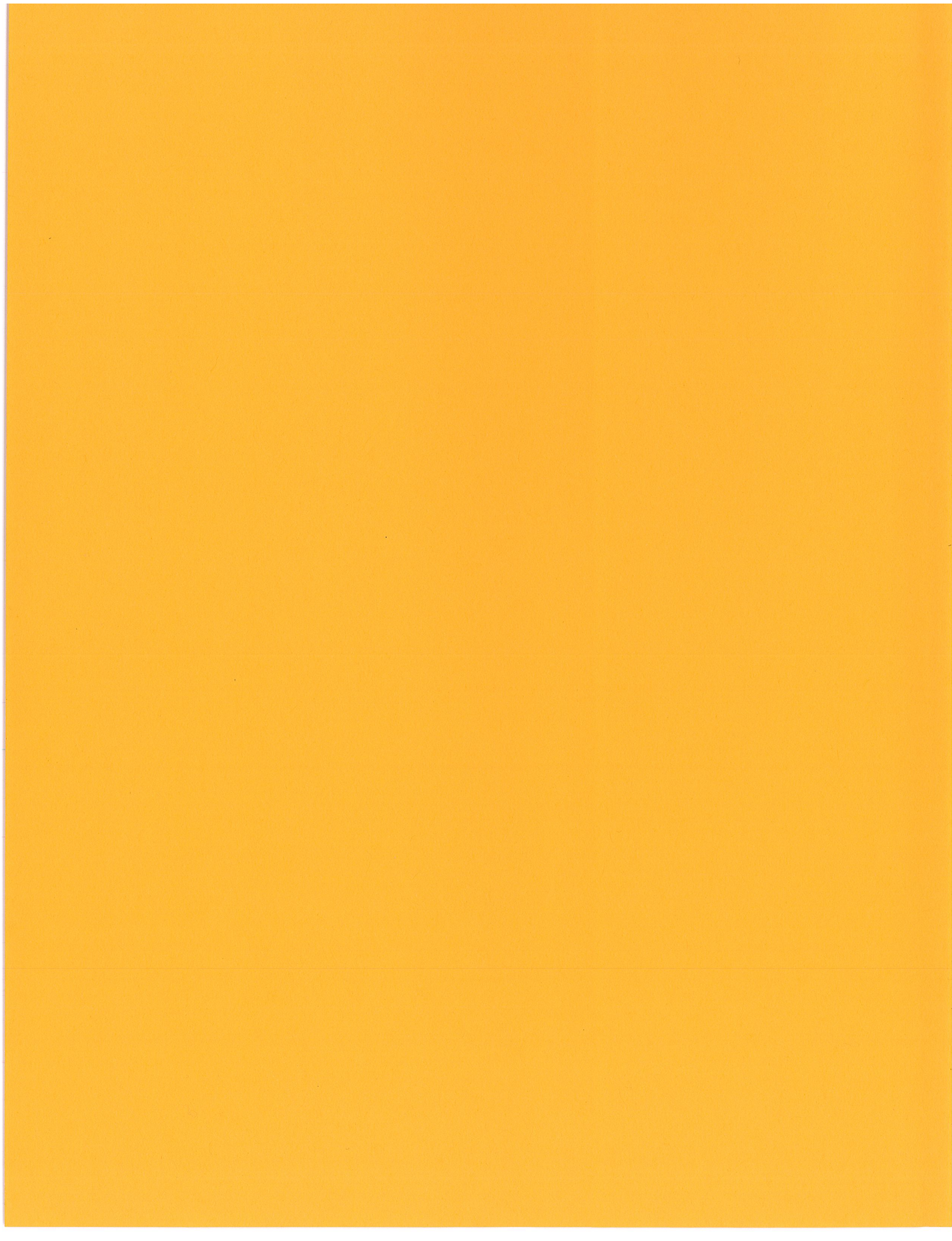
	(INCHES)	(CU. FT.)
PRECIPITATION	7.50	27225.000
RUNOFF	0.000	0.0000
DRAINAGE COLLECTED FROM LAYER 4	1.00161	3635.84058
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.000000	0.00008
AVERAGE HEAD ON TOP OF LAYER 5	0.046	
MAXIMUM HEAD ON TOP OF LAYER 5	0.092	
LOCATION OF MAXIMUM HEAD IN LAYER 4 (DISTANCE FROM DRAIN)	1.8 FEET	
DRAINAGE COLLECTED FROM LAYER 7	0.00000	0.00006
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.000000	0.00001
AVERAGE HEAD ON TOP OF LAYER 8	0.000	
MAXIMUM HEAD ON TOP OF LAYER 8	0.003	
LOCATION OF MAXIMUM HEAD IN LAYER 7 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	0.00	0.0000
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3834
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.1360

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
by Bruce M. McEnroe, University of Kansas
ASCE Journal of Environmental Engineering
Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 2010

LAYER	(INCHES)	(VOL/VOL)
1	2.7286	0.2274
2	35.9150	0.2993
3	5.4352	0.2265
4	0.0040	0.0147
5	0.0000	0.0000
6	0.1275	0.7500
7	0.0025	0.0100
8	0.0000	0.0000
9	3.0060	0.5010
SNOW WATER	0.000	



LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 9

THICKNESS	=	1200.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2932	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.190000006000E-03	CM/SEC

LAYER 3

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS	=	24.00	INCHES
POROSITY	=	0.4570	VOL/VOL
FIELD CAPACITY	=	0.1310	VOL/VOL
WILTING POINT	=	0.0580	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2075	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.100000005000E-02	CM/SEC

LAYER 4

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	0.28	INCHES
POROSITY	=	0.8500	VOL/VOL
FIELD CAPACITY	=	0.0100	VOL/VOL
WILTING POINT	=	0.0050	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0137	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	19.1000004000	CM/SEC
SLOPE	=	1.93	PERCENT
DRAINAGE LENGTH	=	150.0	FEET

LAYER 5

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.06	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL

WILTING POINT = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 6

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 17

THICKNESS = 0.17 INCHES
POROSITY = 0.7500 VOL/VOL
FIELD CAPACITY = 0.7470 VOL/VOL
WILTING POINT = 0.4000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.7500 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.300000003000E-08 CM/SEC

LAYER 7

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.25 INCHES
POROSITY = 0.8500 VOL/VOL
FIELD CAPACITY = 0.0100 VOL/VOL
WILTING POINT = 0.0050 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0100 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 8.39999962000 CM/SEC
SLOPE = 1.93 PERCENT
DRAINAGE LENGTH = 150.0 FEET

LAYER 8

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 36

THICKNESS = 0.06 INCHES
POROSITY = 0.0000 VOL/VOL
FIELD CAPACITY = 0.0000 VOL/VOL
WILTING POINT = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 9

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	6.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.5010	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.189999992000E-04	CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT SOIL DATA BASE USING SOIL TEXTURE #10 WITH BARE GROUND CONDITIONS, A SURFACE SLOPE OF 4.% AND A SLOPE LENGTH OF 200. FEET.

SCS RUNOFF CURVE NUMBER	=	94.10	
FRACTION OF AREA ALLOWING RUNOFF	=	20.0	PERCENT
AREA PROJECTED ON HORIZONTAL PLANE	=	1.000	ACRES
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
INITIAL WATER IN EVAPORATIVE ZONE	=	2.738	INCHES
UPPER LIMIT OF EVAPORATIVE STORAGE	=	4.776	INCHES
LOWER LIMIT OF EVAPORATIVE STORAGE	=	1.632	INCHES
INITIAL SNOW WATER	=	0.000	INCHES
INITIAL WATER IN LAYER MATERIALS	=	362.688	INCHES
TOTAL INITIAL WATER	=	362.688	INCHES
TOTAL SUBSURFACE INFLOW	=	0.00	INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM JACKSONVILLE FLORIDA

STATION LATITUDE	=	30.50	DEGREES
MAXIMUM LEAF AREA INDEX	=	0.00	
START OF GROWING SEASON (JULIAN DATE)	=	0	
END OF GROWING SEASON (JULIAN DATE)	=	367	
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
AVERAGE ANNUAL WIND SPEED	=	8.20	MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY	=	73.00	%
AVERAGE 2ND QUARTER RELATIVE HUMIDITY	=	72.00	%
AVERAGE 3RD QUARTER RELATIVE HUMIDITY	=	79.00	%

AVERAGE 4TH QUARTER RELATIVE HUMIDITY = 78.00 %

NOTE: PRECIPITATION DATA FOR JACKSONVILLE FLORIDA
WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA FOR JACKSONVILLE FLORIDA
WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
COEFFICIENTS FOR JACKSONVILLE FLORIDA
AND STATION LATITUDE = 30.50 DEGREES

ANNUAL TOTALS FOR YEAR 1986

	INCHES	CU. FEET	PERCENT
PRECIPITATION	48.53	176163.875	100.00
RUNOFF	2.833	10283.402	5.84
EVAPOTRANSPIRATION	31.848	115608.422	65.63
DRAINAGE COLLECTED FROM LAYER 4	4.2370	15380.431	8.73
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0008		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.010	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	9.612	34891.559	19.81
SOIL WATER AT START OF YEAR	362.688	1316556.120	
SOIL WATER AT END OF YEAR	372.300	1351447.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.042	0.00

ANNUAL TOTALS FOR YEAR 1987

	<u>INCHES</u>	<u>CU. FEET</u>	<u>PERCENT</u>
PRECIPITATION	53.97	195911.125	100.00
RUNOFF	3.655	13267.027	6.77
EVAPOTRANSPIRATION	32.126	116617.141	59.53
DRAINAGE COLLECTED FROM LAYER 4	6.1259	22237.104	11.35
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0012		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.011	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	12.063	43789.754	22.35
SOIL WATER AT START OF YEAR	372.300	1351447.750	
SOIL WATER AT END OF YEAR	384.363	1395237.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.073	0.00

ANNUAL TOTALS FOR YEAR 1988

	<u>INCHES</u>	<u>CU. FEET</u>	<u>PERCENT</u>
PRECIPITATION	59.02	214242.609	100.00
RUNOFF	4.776	17338.285	8.09
EVAPOTRANSPIRATION	32.678	118621.297	55.37

DRAINAGE COLLECTED FROM LAYER 4	10.7511	39026.555	18.22
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0021		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.011	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	10.814	39256.465	18.32
SOIL WATER AT START OF YEAR	384.363	1395237.500	
SOIL WATER AT END OF YEAR	395.177	1434494.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.017	0.00

ANNUAL TOTALS FOR YEAR 1989

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.80	155364.016	100.00
RUNOFF	2.427	8811.051	5.67
EVAPOTRANSPIRATION	30.865	112039.344	72.11
DRAINAGE COLLECTED FROM LAYER 4	14.2016	51551.883	33.18
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0028		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-4.694	-17038.225	-10.97
SOIL WATER AT START OF YEAR	395.177	1434494.000	

SOIL WATER AT END OF YEAR	390.484	1417455.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.065	0.00

ANNUAL TOTALS FOR YEAR 1990

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	30.58	111005.398	100.00
RUNOFF	1.572	5706.995	5.14
EVAPOTRANSPIRATION	25.158	91323.484	82.27
DRAINAGE COLLECTED FROM LAYER 4	11.7807	42763.855	38.52
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0023		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.931	-28788.975	-25.93
SOIL WATER AT START OF YEAR	390.484	1417455.750	
SOIL WATER AT END OF YEAR	382.553	1388666.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.024	0.00

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
PRECIPITATION	72.99	264953.750	100.00
RUNOFF	5.962	21640.535	8.17
EVAPOTRANSPIRATION	39.787	144425.562	54.51
DRAINAGE COLLECTED FROM LAYER 4	11.0350	40057.000	15.12
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0022		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.011	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	16.207	58830.637	22.20
SOIL WATER AT START OF YEAR	382.553	1388666.750	
SOIL WATER AT END OF YEAR	398.760	1447497.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.002	0.00

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.82	224406.594	100.00
RUNOFF	5.555	20165.145	8.99
EVAPOTRANSPIRATION	35.770	129846.320	57.86
DRAINAGE COLLECTED FROM LAYER 4	15.4823	56200.586	25.04
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0030		

DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	5.012	18194.533	8.11
SOIL WATER AT START OF YEAR	398.760	1447497.370	
SOIL WATER AT END OF YEAR	403.772	1465691.870	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.003	0.00

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.41	193878.266	100.00
RUNOFF	3.292	11950.137	6.16
EVAPOTRANSPIRATION	33.226	120610.016	62.21
DRAINAGE COLLECTED FROM LAYER 4	16.5396	60038.797	30.97
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0032		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.352	1279.385	0.66
SOIL WATER AT START OF YEAR	403.772	1465691.870	
SOIL WATER AT END OF YEAR	404.124	1466971.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

ANNUAL WATER BUDGET BALANCE 0.0000 -0.092 0.00

ANNUAL TOTALS FOR YEAR 1994

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.98	192317.359	100.00
RUNOFF	3.061	11111.152	5.78
EVAPOTRANSPIRATION	33.987	123371.992	64.15
DRAINAGE COLLECTED FROM LAYER 4	18.3327	66547.680	34.60
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0036		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-2.400	-8713.528	-4.53
SOIL WATER AT START OF YEAR	404.124	1466971.370	
SOIL WATER AT END OF YEAR	401.724	1458257.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.041	0.00

ANNUAL TOTALS FOR YEAR 1995

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	48.84	177289.250	100.00
RUNOFF	2.826	10257.524	5.79

EVAPOTRANSPIRATION		37.536	136254.687	76.85
DRAINAGE COLLECTED FROM LAYER 4	4	16.4190	59600.930	33.62
PERC./LEAKAGE THROUGH LAYER 6	6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	5	0.0032		
DRAINAGE COLLECTED FROM LAYER 7	7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	8	0.0000		
CHANGE IN WATER STORAGE		-7.940	-28823.871	-16.26
SOIL WATER AT START OF YEAR		401.724	1458257.750	
SOIL WATER AT END OF YEAR		393.783	1429433.870	
SNOW WATER AT START OF YEAR		0.000	0.000	0.00
SNOW WATER AT END OF YEAR		0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE		0.0000	-0.027	0.00

ANNUAL TOTALS FOR YEAR 1996

		INCHES	CU. FEET	PERCENT
		-----	-----	-----
PRECIPITATION		53.32	193551.578	100.00
RUNOFF		4.058	14731.506	7.61
EVAPOTRANSPIRATION		32.499	117970.055	60.95
DRAINAGE COLLECTED FROM LAYER 4	4	13.5330	49124.863	25.38
PERC./LEAKAGE THROUGH LAYER 6	6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	5	0.0027		
DRAINAGE COLLECTED FROM LAYER 7	7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	8	0.0000		
CHANGE IN WATER STORAGE		3.230	11724.939	6.06

SOIL WATER AT START OF YEAR	393.783	1429433.870	
SOIL WATER AT END OF YEAR	397.013	1441158.870	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.202	0.00

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	50.98	185057.437	100.00
RUNOFF	3.286	11927.422	6.45
EVAPOTRANSPIRATION	32.207	116912.437	63.18
DRAINAGE COLLECTED FROM LAYER 4	14.0624	51046.496	27.58
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0028		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.425	5171.155	2.79
SOIL WATER AT START OF YEAR	397.013	1441158.870	
SOIL WATER AT END OF YEAR	398.438	1446330.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.086	0.00

ANNUAL TOTALS FOR YEAR 1998

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.29	218852.687	100.00
RUNOFF	5.645	20492.717	9.36
EVAPOTRANSPIRATION	29.457	106927.961	48.86
DRAINAGE COLLECTED FROM LAYER 4	18.9856	68917.789	31.49
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0037		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	6.202	22514.354	10.29
SOIL WATER AT START OF YEAR	398.438	1446330.000	
SOIL WATER AT END OF YEAR	404.640	1468844.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.144	0.00

ANNUAL TOTALS FOR YEAR 1999

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	40.67	147632.109	100.00
RUNOFF	2.476	8987.024	6.09
EVAPOTRANSPIRATION	27.045	98173.969	66.50
DRAINAGE COLLECTED FROM LAYER 4	19.0120	69013.570	46.75
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.019	0.00

AVG. HEAD ON TOP OF LAYER 5	0.0037		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.863	-28542.381	-19.33
SOIL WATER AT START OF YEAR	404.640	1468844.370	
SOIL WATER AT END OF YEAR	396.777	1440302.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.091	0.00

ANNUAL TOTALS FOR YEAR 2000

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	41.56	150862.812	100.00
RUNOFF	2.237	8120.291	5.38
EVAPOTRANSPIRATION	28.163	102233.414	67.77
DRAINAGE COLLECTED FROM LAYER 4	14.7918	53694.074	35.59
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0029		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-3.632	-13185.227	-8.74
SOIL WATER AT START OF YEAR	396.777	1440302.000	
SOIL WATER AT END OF YEAR	393.145	1427116.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.235	0.00

ANNUAL TOTALS FOR YEAR 2001

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	47.55	172606.484	100.00
RUNOFF	3.635	13193.854	7.64
EVAPOTRANSPIRATION	29.313	106406.469	61.65
DRAINAGE COLLECTED FROM LAYER 4	13.2698	48169.500	27.91
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0026		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.011	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.332	4836.713	2.80
SOIL WATER AT START OF YEAR	393.145	1427116.750	
SOIL WATER AT END OF YEAR	394.478	1431953.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.067	0.00

ANNUAL TOTALS FOR YEAR 2002

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	62.56	227092.891	100.00

RUNOFF	4.801	17426.225	7.67
EVAPOTRANSPIRATION	37.059	134525.469	59.24
DRAINAGE COLLECTED FROM LAYER 4	12.5965	45725.434	20.14
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0025		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.011	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	8.104	29415.873	12.95
SOIL WATER AT START OF YEAR	394.478	1431953.500	
SOIL WATER AT END OF YEAR	402.581	1461369.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.126	0.00

ANNUAL TOTALS FOR YEAR 2003

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.24	211411.172	100.00
RUNOFF	3.990	14482.729	6.85
EVAPOTRANSPIRATION	37.338	135537.875	64.11
DRAINAGE COLLECTED FROM LAYER 4	18.2355	66194.867	31.31
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0036		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		

CHANGE IN WATER STORAGE	-1.324	-4804.477	-2.27
SOIL WATER AT START OF YEAR	402.581	1461369.370	
SOIL WATER AT END OF YEAR	401.258	1456564.870	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.171	0.00

ANNUAL TOTALS FOR YEAR 2004

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.67	220232.062	100.00
RUNOFF	4.699	17056.072	7.74
EVAPOTRANSPIRATION	32.410	117649.672	53.42
DRAINAGE COLLECTED FROM LAYER 4	17.1669	62315.785	28.30
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0034		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	6.394	23210.598	10.54
SOIL WATER AT START OF YEAR	401.258	1456564.870	
SOIL WATER AT END OF YEAR	407.652	1479775.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.079	0.00

ANNUAL TOTALS FOR YEAR 2005

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.90	224697.047	100.00
RUNOFF	4.654	16892.488	7.52
EVAPOTRANSPIRATION	35.769	129840.547	57.78
DRAINAGE COLLECTED FROM LAYER 4	19.3077	70086.805	31.19
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0038		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.170	7877.260	3.51
SOIL WATER AT START OF YEAR	407.652	1479775.500	
SOIL WATER AT END OF YEAR	409.822	1487652.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.069	0.00

ANNUAL TOTALS FOR YEAR 2006

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.53	154383.875	100.00
RUNOFF	3.217	11678.773	7.56
EVAPOTRANSPIRATION	26.559	96410.281	62.45
DRAINAGE COLLECTED FROM LAYER 4	21.5845	78351.680	50.75

PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.019	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0043		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-8.831	-32056.949	-20.76
SOIL WATER AT START OF YEAR	409.822	1487652.750	
SOIL WATER AT END OF YEAR	400.991	1455595.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.077	0.00

ANNUAL TOTALS FOR YEAR 2007

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.73	191409.875	100.00
RUNOFF	3.703	13440.842	7.02
EVAPOTRANSPIRATION	32.613	118385.945	61.85
DRAINAGE COLLECTED FROM LAYER 4	15.3712	55797.531	29.15
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0030		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.043	3785.423	1.98
SOIL WATER AT START OF YEAR	400.991	1455595.750	
SOIL WATER AT END OF YEAR	402.033	1459381.250	

SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.109	0.00

ANNUAL TOTALS FOR YEAR 2008

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.77	213335.094	100.00
RUNOFF	4.803	17434.443	8.17
EVAPOTRANSPIRATION	33.442	121393.867	56.90
DRAINAGE COLLECTED FROM LAYER 4	19.1269	69430.695	32.55
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0037		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.398	5076.217	2.38
SOIL WATER AT START OF YEAR	402.033	1459381.250	
SOIL WATER AT END OF YEAR	403.432	1464457.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.155	0.00

ANNUAL TOTALS FOR YEAR 2009

	INCHES	CU. FEET	PERCENT
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PRECIPITATION	54.20	196745.984	100.00
RUNOFF	4.247	15415.529	7.84
EVAPOTRANSPIRATION	30.072	109161.156	55.48
DRAINAGE COLLECTED FROM LAYER 4	21.1279	76694.422	38.98
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.019	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0041		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.247	-4525.093	-2.30
SOIL WATER AT START OF YEAR	403.432	1464457.370	
SOIL WATER AT END OF YEAR	402.185	1459932.370	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.039	0.00

ANNUAL TOTALS FOR YEAR 2010

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.27	153440.109	100.00
RUNOFF	2.245	8148.911	5.31
EVAPOTRANSPIRATION	31.481	114276.227	74.48
DRAINAGE COLLECTED FROM LAYER 4	16.4289	59636.781	38.87
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0032		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.012	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.006	0.00

AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-7.885	-28621.811	-18.65
SOIL WATER AT START OF YEAR	402.185	1459932.370	
SOIL WATER AT END OF YEAR	394.300	1431310.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.012	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1986 THROUGH 2010

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC

PRECIPITATION						

TOTALS	4.22 6.65	3.50 7.23	4.19 5.48	2.69 3.96	2.52 1.96	7.31 2.81
STD. DEVIATIONS	2.74 2.00	3.18 3.12	2.85 3.49	2.33 3.48	2.56 1.51	3.29 2.18
RUNOFF						

TOTALS	0.281 0.438	0.235 0.501	0.280 0.433	0.174 0.433	0.150 0.098	0.539 0.183
STD. DEVIATIONS	0.306 0.228	0.414 0.435	0.309 0.453	0.256 0.596	0.332 0.130	0.384 0.223
EVAPOTRANSPIRATION						

TOTALS	1.944 4.763	2.238 4.530	2.783 3.325	2.011 2.078	1.926 1.182	4.197 1.359
STD. DEVIATIONS	0.535 1.055	0.524 0.844	1.090 1.090	1.046 0.993	1.335 0.786	1.245 0.602
LATERAL DRAINAGE COLLECTED FROM LAYER 4						

TOTALS	1.3408 1.0780	1.1008 0.8200	1.2140 0.9783	1.2345 1.2017	1.5558 1.4441	1.4985 1.7138

STD. DEVIATIONS	0.6670	0.5149	0.5977	0.6596	0.6819	0.5437
	0.4582	0.3412	0.4202	0.6860	0.6612	0.6070

PERCOLATION/LEAKAGE THROUGH LAYER 6

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

LATERAL DRAINAGE COLLECTED FROM LAYER 7

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PERCOLATION/LEAKAGE THROUGH LAYER 9

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 5

AVERAGES	0.0031	0.0028	0.0028	0.0030	0.0036	0.0036
	0.0025	0.0019	0.0023	0.0028	0.0035	0.0040
STD. DEVIATIONS	0.0015	0.0013	0.0014	0.0016	0.0016	0.0013
	0.0011	0.0008	0.0010	0.0016	0.0016	0.0014

DAILY AVERAGE HEAD ON TOP OF LAYER 8

AVERAGES	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1986 THROUGH 2010

	INCHES		CU. FEET	PERCENT
PRECIPITATION	52.53	(9.218)	190673.7	100.00
RUNOFF	3.746	(1.1672)	13598.40	7.132
EVAPOTRANSPIRATION	32.336	(3.6198)	117380.96	61.561
LATERAL DRAINAGE COLLECTED FROM LAYER 4	15.18022	(4.24236)	55104.199	28.89973
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.00000	(0.00000)	0.018	0.00001
AVERAGE HEAD ON TOP OF LAYER 5	0.003	(0.001)		
LATERAL DRAINAGE COLLECTED FROM LAYER 7	0.00000	(0.00000)	0.012	0.00001
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.00000	(0.00000)	0.006	0.00000
AVERAGE HEAD ON TOP OF LAYER 8	0.000	(0.000)		
CHANGE IN WATER STORAGE	1.265	(6.8982)	4590.17	2.407

PEAK DAILY VALUES FOR YEARS 1986 THROUGH 2010

	(INCHES)	(CU. FT.)
PRECIPITATION	7.50	27225.000
RUNOFF	1.759	6384.3120
DRAINAGE COLLECTED FROM LAYER 4	0.11517	418.07935
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.000000	0.00006
AVERAGE HEAD ON TOP OF LAYER 5	0.008	
MAXIMUM HEAD ON TOP OF LAYER 5	0.017	
LOCATION OF MAXIMUM HEAD IN LAYER 4 (DISTANCE FROM DRAIN)	0.0 FEET	
DRAINAGE COLLECTED FROM LAYER 7	0.00000	0.00004
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.000000	0.00002
AVERAGE HEAD ON TOP OF LAYER 8	0.000	
MAXIMUM HEAD ON TOP OF LAYER 8	0.002	
LOCATION OF MAXIMUM HEAD IN LAYER 7 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	0.00	0.0000
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3736
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.1360

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
by Bruce M. McEnroe, University of Kansas
ASCE Journal of Environmental Engineering
Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 2010

LAYER	(INCHES)	(VOL/VOL)
1	2.6976	0.2248
2	382.6927	0.3189
3	5.7679	0.2403
4	0.0062	0.0225
5	0.0000	0.0000
6	0.1275	0.7500
7	0.0025	0.0100
8	0.0000	0.0000
9	3.0060	0.5010
SNOW WATER	0.000	



LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 9

THICKNESS	=	2400.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2850	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.190000006000E-03	CM/SEC

LAYER 3

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS	=	24.00	INCHES
POROSITY	=	0.4570	VOL/VOL
FIELD CAPACITY	=	0.1310	VOL/VOL
WILTING POINT	=	0.0580	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2048	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.100000005000E-02	CM/SEC

LAYER 4

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	0.28	INCHES
POROSITY	=	0.8500	VOL/VOL
FIELD CAPACITY	=	0.0100	VOL/VOL
WILTING POINT	=	0.0050	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0240	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	7.30000019000	CM/SEC
SLOPE	=	1.93	PERCENT
DRAINAGE LENGTH	=	150.0	FEET

LAYER 5

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.06	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL
WILTING POINT	=	0.0000	VOL/VOL

INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 6

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 17

THICKNESS = 0.17 INCHES
POROSITY = 0.7500 VOL/VOL
FIELD CAPACITY = 0.7470 VOL/VOL
WILTING POINT = 0.4000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.7500 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.300000003000E-08 CM/SEC

LAYER 7

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.25 INCHES
POROSITY = 0.8500 VOL/VOL
FIELD CAPACITY = 0.0100 VOL/VOL
WILTING POINT = 0.0050 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0100 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 4.000000000000 CM/SEC
SLOPE = 1.93 PERCENT
DRAINAGE LENGTH = 150.0 FEET

LAYER 8

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 36

THICKNESS = 0.06 INCHES
POROSITY = 0.0000 VOL/VOL
FIELD CAPACITY = 0.0000 VOL/VOL
WILTING POINT = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE
FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
FML PLACEMENT QUALITY = 3 - GOOD

LAYER 9

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	6.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.5010	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.189999992000E-04	CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT SOIL DATA BASE USING SOIL TEXTURE #10 WITH BARE GROUND CONDITIONS, A SURFACE SLOPE OF 4.% AND A SLOPE LENGTH OF 200. FEET.

SCS RUNOFF CURVE NUMBER	=	94.10	
FRACTION OF AREA ALLOWING RUNOFF	=	100.0	PERCENT
AREA PROJECTED ON HORIZONTAL PLANE	=	1.000	ACRES
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
INITIAL WATER IN EVAPORATIVE ZONE	=	2.725	INCHES
UPPER LIMIT OF EVAPORATIVE STORAGE	=	4.776	INCHES
LOWER LIMIT OF EVAPORATIVE STORAGE	=	1.632	INCHES
INITIAL SNOW WATER	=	0.000	INCHES
INITIAL WATER IN LAYER MATERIALS	=	694.799	INCHES
TOTAL INITIAL WATER	=	694.799	INCHES
TOTAL SUBSURFACE INFLOW	=	0.00	INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM JACKSONVILLE FLORIDA

STATION LATITUDE	=	30.50	DEGREES
MAXIMUM LEAF AREA INDEX	=	0.00	
START OF GROWING SEASON (JULIAN DATE)	=	0	
END OF GROWING SEASON (JULIAN DATE)	=	367	
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
AVERAGE ANNUAL WIND SPEED	=	8.20	MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY	=	73.00	%
AVERAGE 2ND QUARTER RELATIVE HUMIDITY	=	72.00	%
AVERAGE 3RD QUARTER RELATIVE HUMIDITY	=	79.00	%
AVERAGE 4TH QUARTER RELATIVE HUMIDITY	=	78.00	%

NOTE: PRECIPITATION DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR JACKSONVILLE FLORIDA
 AND STATION LATITUDE = 30.50 DEGREES

ANNUAL TOTALS FOR YEAR 1986

	INCHES	CU. FEET	PERCENT
PRECIPITATION	48.53	176163.875	100.00
RUNOFF	13.302	48285.359	27.41
EVAPOTRANSPIRATION	29.763	108039.812	61.33
DRAINAGE COLLECTED FROM LAYER 4	3.1620	11478.220	6.52
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0016		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.303	8360.920	4.75
SOIL WATER AT START OF YEAR	694.799	2522121.000	
SOIL WATER AT END OF YEAR	697.102	2530482.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.459	0.00

ANNUAL TOTALS FOR YEAR 1987

	INCHES	CU. FEET	PERCENT
PRECIPITATION	53.97	195911.125	100.00
RUNOFF	17.175	62343.836	31.82
EVAPOTRANSPIRATION	30.876	112078.469	57.21
DRAINAGE COLLECTED FROM LAYER 4	2.8860	10476.244	5.35
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0015		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	3.034	11012.521	5.62
SOIL WATER AT START OF YEAR	697.102	2530482.000	
SOIL WATER AT END OF YEAR	700.136	2541494.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.029	0.00

ANNUAL TOTALS FOR YEAR 1988

	INCHES	CU. FEET	PERCENT
PRECIPITATION	59.02	214242.609	100.00
RUNOFF	22.463	81540.687	38.06
EVAPOTRANSPIRATION	30.662	111303.141	51.95

DRAINAGE COLLECTED FROM LAYER 4	3.5258	12798.803	5.97
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0018		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.369	8599.759	4.01
SOIL WATER AT START OF YEAR	700.136	2541494.500	
SOIL WATER AT END OF YEAR	702.505	2550094.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.197	0.00

ANNUAL TOTALS FOR YEAR 1989

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.80	155364.016	100.00
RUNOFF	11.666	42346.375	27.26
EVAPOTRANSPIRATION	28.289	102687.609	66.09
DRAINAGE COLLECTED FROM LAYER 4	4.2235	15331.280	9.87
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.019	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0022		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.378	-5001.220	-3.22
SOIL WATER AT START OF YEAR	702.505	2550094.250	

SOIL WATER AT END OF YEAR	701.128	2545093.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.052	0.00

ANNUAL TOTALS FOR YEAR 1990

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	30.58	111005.398	100.00
RUNOFF	7.506	27246.154	24.54
EVAPOTRANSPIRATION	23.005	83508.500	75.23
DRAINAGE COLLECTED FROM LAYER 4	4.1354	15011.420	13.52
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0021		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-4.066	-14760.611	-13.30
SOIL WATER AT START OF YEAR	701.128	2545093.000	
SOIL WATER AT END OF YEAR	697.061	2530332.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.080	0.00

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
PRECIPITATION	72.99	264953.750	100.00
RUNOFF	27.673	100454.344	37.91
EVAPOTRANSPIRATION	38.372	139288.766	52.57
DRAINAGE COLLECTED FROM LAYER 4	2.8204	10237.954	3.86
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0015		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	4.125	14972.421	5.65
SOIL WATER AT START OF YEAR	697.061	2530332.500	
SOIL WATER AT END OF YEAR	701.186	2545304.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.255	0.00

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.82	224406.594	100.00
RUNOFF	24.647	89468.305	39.87
EVAPOTRANSPIRATION	33.395	121224.445	54.02
DRAINAGE COLLECTED FROM LAYER 4	3.6274	13167.444	5.87
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0019		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00

PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.151	546.583	0.24
SOIL WATER AT START OF YEAR	701.186	2545304.750	
SOIL WATER AT END OF YEAR	701.336	2545851.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.196	0.00

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
PRECIPITATION	53.41	193878.266	100.00
RUNOFF	15.360	55756.695	28.76
EVAPOTRANSPIRATION	31.882	115733.133	59.69
DRAINAGE COLLECTED FROM LAYER 4	3.4596	12558.399	6.48
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0018		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.708	9830.068	5.07
SOIL WATER AT START OF YEAR	701.336	2545851.500	
SOIL WATER AT END OF YEAR	704.044	2555681.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.057	0.00

ANNUAL TOTALS FOR YEAR 1994

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.98	192317.359	100.00
RUNOFF	14.029	50925.594	26.48
EVAPOTRANSPIRATION	32.886	119377.430	62.07
DRAINAGE COLLECTED FROM LAYER 4	3.2155	11672.183	6.07
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0017		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.849	10342.310	5.38
SOIL WATER AT START OF YEAR	704.044	2555681.500	
SOIL WATER AT END OF YEAR	706.894	2566023.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.177	0.00

ANNUAL TOTALS FOR YEAR 1995

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	48.84	177289.250	100.00
RUNOFF	13.004	47203.793	26.63

EVAPOTRANSPIRATION		34.369	124761.258	70.37
DRAINAGE COLLECTED FROM LAYER 4	4	4.4632	16201.487	9.14
PERC./LEAKAGE THROUGH LAYER 6	6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	5	0.0023		
DRAINAGE COLLECTED FROM LAYER 7	7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	9	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 8	8	0.0000		
CHANGE IN WATER STORAGE		-2.996	-10877.149	-6.14
SOIL WATER AT START OF YEAR		706.894	2566023.750	
SOIL WATER AT END OF YEAR		703.897	2555146.750	
SNOW WATER AT START OF YEAR		0.000	0.000	0.00
SNOW WATER AT END OF YEAR		0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE		0.0000	-0.146	0.00

ANNUAL TOTALS FOR YEAR 1996

		INCHES	CU. FEET	PERCENT
		-----	-----	-----
PRECIPITATION		53.32	193551.578	100.00
RUNOFF		18.861	68466.805	35.37
EVAPOTRANSPIRATION		30.023	108982.562	56.31
DRAINAGE COLLECTED FROM LAYER 4	4	4.3915	15941.249	8.24
PERC./LEAKAGE THROUGH LAYER 6	6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	5	0.0023		
DRAINAGE COLLECTED FROM LAYER 7	7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	9	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 8	8	0.0000		
CHANGE IN WATER STORAGE		0.044	160.851	0.08

SOIL WATER AT START OF YEAR	703.897	2555146.750	
SOIL WATER AT END OF YEAR	703.941	2555307.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.094	0.00

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	50.98	185057.437	100.00
RUNOFF	15.439	56044.715	30.29
EVAPOTRANSPIRATION	29.448	106896.875	57.76
DRAINAGE COLLECTED FROM LAYER 4	3.9597	14373.607	7.77
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0020		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.133	7742.109	4.18
SOIL WATER AT START OF YEAR	703.941	2555307.500	
SOIL WATER AT END OF YEAR	706.074	2563049.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.112	0.00

ANNUAL TOTALS FOR YEAR 1998

	INCHES	CU. FEET	PERCENT
PRECIPITATION	60.29	218852.687	100.00
RUNOFF	26.322	95547.641	43.66
EVAPOTRANSPIRATION	27.453	99652.992	45.53
DRAINAGE COLLECTED FROM LAYER 4	2.8695	10416.215	4.76
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0015		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	3.646	13235.631	6.05
SOIL WATER AT START OF YEAR	706.074	2563049.750	
SOIL WATER AT END OF YEAR	709.720	2576285.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.190	0.00

ANNUAL TOTALS FOR YEAR 1999

	INCHES	CU. FEET	PERCENT
PRECIPITATION	40.67	147632.109	100.00
RUNOFF	12.152	44111.426	29.88
EVAPOTRANSPIRATION	25.561	92786.336	62.85
DRAINAGE COLLECTED FROM LAYER 4	4.6771	16977.715	11.50
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0024		

DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.720	-6243.272	-4.23
SOIL WATER AT START OF YEAR	709.720	2576285.250	
SOIL WATER AT END OF YEAR	708.001	2570042.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.115	0.00

ANNUAL TOTALS FOR YEAR 2000

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	41.56	150862.812	100.00
RUNOFF	10.581	38409.762	25.46
EVAPOTRANSPIRATION	27.386	99412.352	65.90
DRAINAGE COLLECTED FROM LAYER 4	4.4414	16122.215	10.69
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0023		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-0.849	-3081.202	-2.04
SOIL WATER AT START OF YEAR	708.001	2570042.000	
SOIL WATER AT END OF YEAR	707.152	2566960.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

RUNOFF	22.003	79870.437	35.17
EVAPOTRANSPIRATION	35.567	129109.156	56.85
DRAINAGE COLLECTED FROM LAYER 4	4.4306	16083.230	7.08
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0023		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.559	2030.132	0.89
SOIL WATER AT START OF YEAR	705.961	2562640.250	
SOIL WATER AT END OF YEAR	706.521	2564670.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.084	0.00

ANNUAL TOTALS FOR YEAR 2003

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.24	211411.172	100.00
RUNOFF	19.045	69132.398	32.70
EVAPOTRANSPIRATION	35.137	127546.430	60.33
DRAINAGE COLLECTED FROM LAYER 4	3.1810	11546.888	5.46
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0016		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		

CHANGE IN WATER STORAGE	0.878	3185.334	1.51
SOIL WATER AT START OF YEAR	706.521	2564670.250	
SOIL WATER AT END OF YEAR	707.398	2567855.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.118	0.00

ANNUAL TOTALS FOR YEAR 2004

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.67	220232.062	100.00
RUNOFF	22.378	81231.781	36.88
EVAPOTRANSPIRATION	31.628	114808.758	52.13
DRAINAGE COLLECTED FROM LAYER 4	4.0571	14727.434	6.69
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0021		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.607	9464.276	4.30
SOIL WATER AT START OF YEAR	707.398	2567855.750	
SOIL WATER AT END OF YEAR	710.005	2577320.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.197	0.00

ANNUAL TOTALS FOR YEAR 2005

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.90	224697.047	100.00
RUNOFF	21.739	78914.180	35.12
EVAPOTRANSPIRATION	34.614	125648.922	55.92
DRAINAGE COLLECTED FROM LAYER 4	3.4531	12534.607	5.58
PERC./LEAKAGE THROUGH LAYER 6	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0018		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	2.093	7598.983	3.38
SOIL WATER AT START OF YEAR	710.005	2577320.000	
SOIL WATER AT END OF YEAR	712.099	2584919.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.338	0.00

ANNUAL TOTALS FOR YEAR 2006

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.53	154383.875	100.00
RUNOFF	15.439	56042.875	36.30
EVAPOTRANSPIRATION	24.234	87969.516	56.98
DRAINAGE COLLECTED FROM LAYER 4	4.8239	17510.766	11.34
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00

AVG. HEAD ON TOP OF LAYER 5	0.0025		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-1.967	-7139.251	-4.62
SOIL WATER AT START OF YEAR	712.099	2584919.000	
SOIL WATER AT END OF YEAR	710.132	2577779.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.040	0.00

ANNUAL TOTALS FOR YEAR 2007

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.73	191409.875	100.00
RUNOFF	17.514	63575.965	33.21
EVAPOTRANSPIRATION	29.748	107985.789	56.42
DRAINAGE COLLECTED FROM LAYER 4	3.8626	14021.175	7.33
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0020		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.605	5827.187	3.04
SOIL WATER AT START OF YEAR	710.132	2577779.750	
SOIL WATER AT END OF YEAR	711.737	2583606.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.264	0.00

ANNUAL TOTALS FOR YEAR 2008

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.77	213335.094	100.00
RUNOFF	22.848	82937.391	38.88
EVAPOTRANSPIRATION	31.210	113290.508	53.10
DRAINAGE COLLECTED FROM LAYER 4	4.1872	15199.610	7.12
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0022		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000004	0.016	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	0.526	1907.611	0.89
SOIL WATER AT START OF YEAR	711.737	2583606.750	
SOIL WATER AT END OF YEAR	712.263	2585514.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.055	0.00

ANNUAL TOTALS FOR YEAR 2009

	INCHES	CU. FEET	PERCENT
	-----	-----	-----

PRECIPITATION	54.20	196745.984	100.00
RUNOFF	19.374	70325.945	35.74
EVAPOTRANSPIRATION	28.488	103412.578	52.56
DRAINAGE COLLECTED FROM LAYER 4	4.7870	17376.979	8.83
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0025		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.017	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	1.551	5630.444	2.86
SOIL WATER AT START OF YEAR	712.263	2585514.500	
SOIL WATER AT END OF YEAR	713.814	2591145.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.024	0.00

ANNUAL TOTALS FOR YEAR 2010

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.27	153440.109	100.00
RUNOFF	10.913	39615.953	25.82
EVAPOTRANSPIRATION	29.253	106189.078	69.21
DRAINAGE COLLECTED FROM LAYER 4	4.7863	17374.146	11.32
PERC./LEAKAGE THROUGH LAYER 6	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 5	0.0024		
DRAINAGE COLLECTED FROM LAYER 7	0.0000	0.001	0.00
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.017	0.00

AVG. HEAD ON TOP OF LAYER 8	0.0000		
CHANGE IN WATER STORAGE	-2.683	-9739.229	-6.35
SOIL WATER AT START OF YEAR	713.814	2591145.000	
SOIL WATER AT END OF YEAR	711.131	2581405.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.152	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1986 THROUGH 2010

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC

PRECIPITATION						

TOTALS	4.22 6.65	3.50 7.23	4.19 5.48	2.69 3.96	2.52 1.96	7.31 2.81
STD. DEVIATIONS	2.74 2.00	3.18 3.12	2.85 3.49	2.33 3.48	2.56 1.51	3.29 2.18
RUNOFF						

TOTALS	1.353 2.071	1.108 2.343	1.333 2.018	0.817 1.883	0.711 0.468	2.521 0.885
STD. DEVIATIONS	1.452 1.101	1.968 2.047	1.472 2.130	1.181 2.495	1.483 0.617	1.717 1.066
EVAPOTRANSPIRATION						

TOTALS	1.901 4.495	2.202 4.330	2.679 3.156	1.842 1.967	1.635 1.086	3.865 1.296
STD. DEVIATIONS	0.544 1.042	0.496 0.910	1.099 1.073	1.004 0.912	1.155 0.739	1.240 0.588
LATERAL DRAINAGE COLLECTED FROM LAYER 4						

TOTALS	0.4223 0.4753	0.3536 0.3425	0.2958 0.2688	0.2543 0.2767	0.2777 0.2684	0.3714 0.3034

STD. DEVIATIONS	0.1359	0.1475	0.1396	0.1786	0.1628	0.1591
	0.1329	0.1213	0.0961	0.1308	0.1422	0.1767

PERCOLATION/LEAKAGE THROUGH LAYER 6

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

LATERAL DRAINAGE COLLECTED FROM LAYER 7

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PERCOLATION/LEAKAGE THROUGH LAYER 9

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 5

AVERAGES	0.0026	0.0023	0.0018	0.0016	0.0017	0.0023
	0.0029	0.0021	0.0017	0.0017	0.0017	0.0018
STD. DEVIATIONS	0.0008	0.0010	0.0008	0.0011	0.0010	0.0010
	0.0008	0.0007	0.0006	0.0008	0.0009	0.0011

DAILY AVERAGE HEAD ON TOP OF LAYER 8

AVERAGES	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1986 THROUGH 2010

	INCHES		CU. FEET	PERCENT
	-----	-----	-----	-----
PRECIPITATION	52.53	(9.218)	190673.7	100.00
RUNOFF	17.511	(5.2978)	63564.33	33.337
EVAPOTRANSPIRATION	30.453	(3.6316)	110544.51	57.976
LATERAL DRAINAGE COLLECTED FROM LAYER 4	3.91006	(0.64573)	14193.508	7.44387
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.00000	(0.00000)	0.017	0.00001
AVERAGE HEAD ON TOP OF LAYER 5	0.002	(0.000)		
LATERAL DRAINAGE COLLECTED FROM LAYER 7	0.00000	(0.00000)	0.001	0.00000
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.00000	(0.00000)	0.017	0.00001
AVERAGE HEAD ON TOP OF LAYER 8	0.000	(0.000)		
CHANGE IN WATER STORAGE	0.653	(2.2442)	2371.38	1.244

PEAK DAILY VALUES FOR YEARS 1986 THROUGH 2010

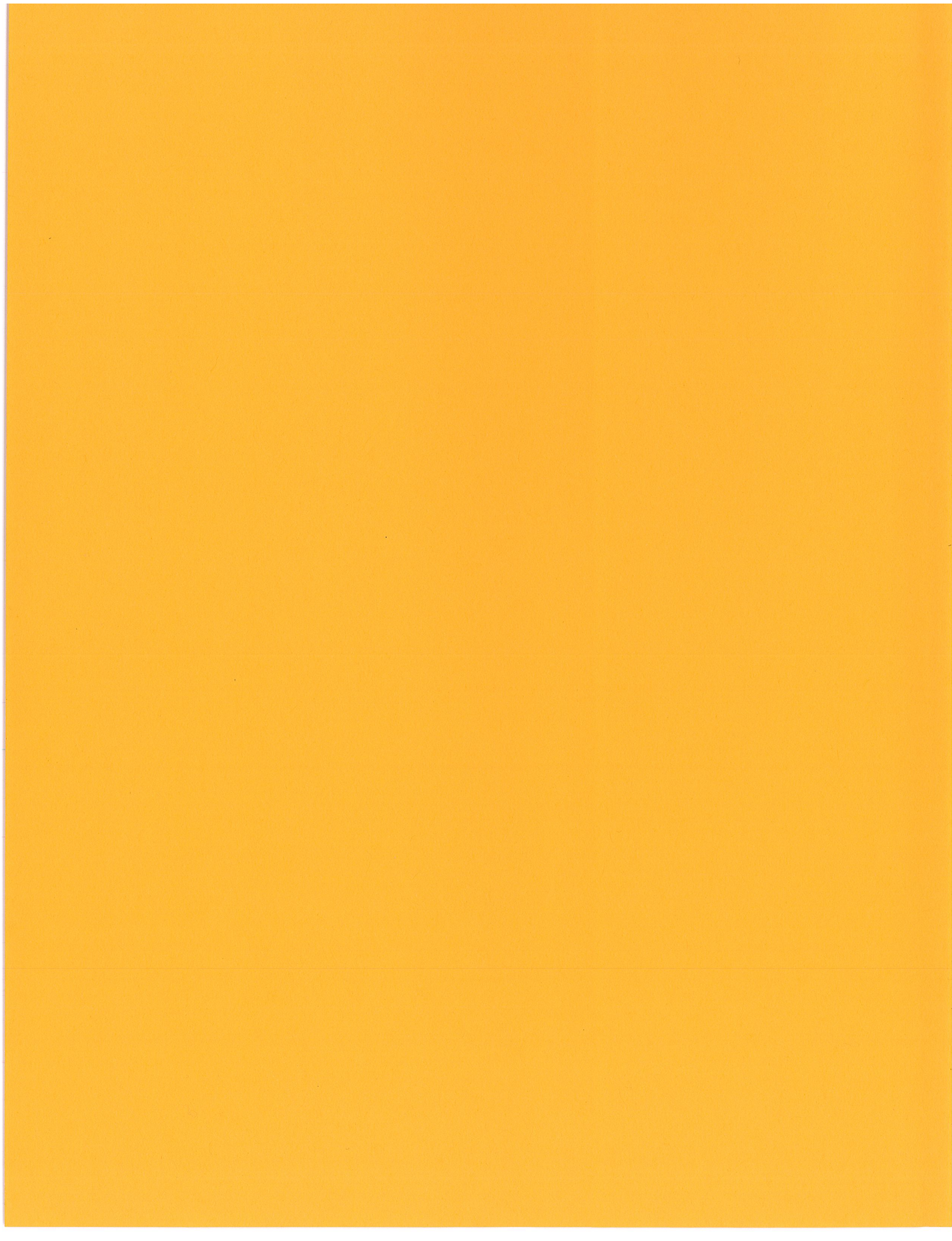
	(INCHES)	(CU. FT.)
PRECIPITATION	7.50	27225.000
RUNOFF	6.568	23841.8945
DRAINAGE COLLECTED FROM LAYER 4	0.03516	127.61500
PERCOLATION/LEAKAGE THROUGH LAYER 6	0.000000	0.00005
AVERAGE HEAD ON TOP OF LAYER 5	0.007	
MAXIMUM HEAD ON TOP OF LAYER 5	0.013	
LOCATION OF MAXIMUM HEAD IN LAYER 4 (DISTANCE FROM DRAIN)	4.3 FEET	
DRAINAGE COLLECTED FROM LAYER 7	0.00000	0.00002
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.000000	0.00005
AVERAGE HEAD ON TOP OF LAYER 8	0.000	
MAXIMUM HEAD ON TOP OF LAYER 8	0.003	
LOCATION OF MAXIMUM HEAD IN LAYER 7 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	0.00	0.0000
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3241
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.1360

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
by Bruce M. McEnroe, University of Kansas
ASCE Journal of Environmental Engineering
Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 2010

LAYER	(INCHES)	(VOL/VOL)
1	2.5942	0.2162
2	700.2260	0.2918
3	5.1693	0.2154
4	0.0056	0.0204
5	0.0000	0.0000
6	0.1275	0.7500
7	0.0025	0.0100
8	0.0000	0.0000
9	3.0060	0.5010
SNOW WATER	0.000	



LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS	=	12.00	INCHES
POROSITY	=	0.4570	VOL/VOL
FIELD CAPACITY	=	0.1310	VOL/VOL
WILTING POINT	=	0.0580	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.4570	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.100000005000E-02	CM/SEC

LAYER 3

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.04	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL
WILTING POINT	=	0.0000	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0000	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.399999993000E-12	CM/SEC
FML PINHOLE DENSITY	=	3.00	HOLES/ACRE
FML INSTALLATION DEFECTS	=	1.00	HOLES/ACRE
FML PLACEMENT QUALITY	=	3	- GOOD

LAYER 4

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 10

THICKNESS	=	12.00	INCHES
POROSITY	=	0.3980	VOL/VOL
FIELD CAPACITY	=	0.2440	VOL/VOL
WILTING POINT	=	0.1360	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.2440	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.119999997000E-03	CM/SEC

LAYER 5

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 9

THICKNESS = 2400.00 INCHES
 POROSITY = 0.5010 VOL/VOL
 FIELD CAPACITY = 0.2840 VOL/VOL
 WILTING POINT = 0.1350 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.2840 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.190000006000E-03 CM/SEC

LAYER 6

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 5

THICKNESS = 24.00 INCHES
 POROSITY = 0.4570 VOL/VOL
 FIELD CAPACITY = 0.1310 VOL/VOL
 WILTING POINT = 0.0580 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.1521 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.100000005000E-02 CM/SEC

LAYER 7

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.28 INCHES
 POROSITY = 0.8500 VOL/VOL
 FIELD CAPACITY = 0.0100 VOL/VOL
 WILTING POINT = 0.0050 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.0100 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 6.90000010000 CM/SEC
 SLOPE = 1.93 PERCENT
 DRAINAGE LENGTH = 150.0 FEET

LAYER 8

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS = 0.06 INCHES
 POROSITY = 0.0000 VOL/VOL
 FIELD CAPACITY = 0.0000 VOL/VOL
 WILTING POINT = 0.0000 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.399999993000E-12 CM/SEC
 FML PINHOLE DENSITY = 3.00 HOLES/ACRE
 FML INSTALLATION DEFECTS = 1.00 HOLES/ACRE
 FML PLACEMENT QUALITY = 3 - GOOD

LAYER 9

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 17

THICKNESS	=	0.17	INCHES
POROSITY	=	0.7500	VOL/VOL
FIELD CAPACITY	=	0.7470	VOL/VOL
WILTING POINT	=	0.4000	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.7500	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.300000003000E-08	CM/SEC

LAYER 10

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	0.25	INCHES
POROSITY	=	0.8500	VOL/VOL
FIELD CAPACITY	=	0.0100	VOL/VOL
WILTING POINT	=	0.0050	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0100	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	3.79999995000	CM/SEC
SLOPE	=	1.93	PERCENT
DRAINAGE LENGTH	=	150.0	FEET

LAYER 11

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36

THICKNESS	=	0.06	INCHES
POROSITY	=	0.0000	VOL/VOL
FIELD CAPACITY	=	0.0000	VOL/VOL
WILTING POINT	=	0.0000	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.0000	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.399999993000E-12	CM/SEC
FML PINHOLE DENSITY	=	3.00	HOLES/ACRE
FML INSTALLATION DEFECTS	=	1.00	HOLES/ACRE
FML PLACEMENT QUALITY	=	3	- GOOD

LAYER 12

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 0

THICKNESS	=	6.00	INCHES
POROSITY	=	0.5010	VOL/VOL
FIELD CAPACITY	=	0.2840	VOL/VOL
WILTING POINT	=	0.1350	VOL/VOL
INITIAL SOIL WATER CONTENT	=	0.5010	VOL/VOL
EFFECTIVE SAT. HYD. COND.	=	0.189999992000E-04	CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT SOIL DATA BASE USING SOIL TEXTURE #10 WITH A FAIR STAND OF GRASS, A SURFACE SLOPE OF 4.% AND A SLOPE LENGTH OF 200. FEET.

SCS RUNOFF CURVE NUMBER	=	86.20	
FRACTION OF AREA ALLOWING RUNOFF	=	100.0	PERCENT
AREA PROJECTED ON HORIZONTAL PLANE	=	1.000	ACRES
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
INITIAL WATER IN EVAPORATIVE ZONE	=	4.200	INCHES
UPPER LIMIT OF EVAPORATIVE STORAGE	=	4.776	INCHES
LOWER LIMIT OF EVAPORATIVE STORAGE	=	1.632	INCHES
INITIAL SNOW WATER	=	0.000	INCHES
INITIAL WATER IN LAYER MATERIALS	=	701.000	INCHES
TOTAL INITIAL WATER	=	701.000	INCHES
TOTAL SUBSURFACE INFLOW	=	0.00	INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM JACKSONVILLE FLORIDA

STATION LATITUDE	=	30.50	DEGREES
MAXIMUM LEAF AREA INDEX	=	2.00	
START OF GROWING SEASON (JULIAN DATE)	=	0	
END OF GROWING SEASON (JULIAN DATE)	=	367	
EVAPORATIVE ZONE DEPTH	=	12.0	INCHES
AVERAGE ANNUAL WIND SPEED	=	8.20	MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY	=	73.00	%
AVERAGE 2ND QUARTER RELATIVE HUMIDITY	=	72.00	%
AVERAGE 3RD QUARTER RELATIVE HUMIDITY	=	79.00	%
AVERAGE 4TH QUARTER RELATIVE HUMIDITY	=	78.00	%

NOTE: PRECIPITATION DATA FOR JACKSONVILLE FLORIDA WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: TEMPERATURE DATA FOR JACKSONVILLE FLORIDA
 WAS ENTERED FROM AN ASCII DATA FILE.

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR JACKSONVILLE FLORIDA
 AND STATION LATITUDE = 30.50 DEGREES

ANNUAL TOTALS FOR YEAR 1986

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	48.53	176163.875	100.00
RUNOFF	9.546	34652.512	19.67
EVAPOTRANSPIRATION	38.445	139555.141	79.22
PERC./LEAKAGE THROUGH LAYER 3	0.538903	1956.217	1.11
AVG. HEAD ON TOP OF LAYER 3	15.3363		
DRAINAGE COLLECTED FROM LAYER 7	0.1469	533.097	0.30
PERC./LEAKAGE THROUGH LAYER 9	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0001		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.392	1423.065	0.81
SOIL WATER AT START OF YEAR	703.928	2555258.000	
SOIL WATER AT END OF YEAR	704.320	2556681.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.045	0.00

ANNUAL TOTALS FOR YEAR 1987

	INCHES	CU. FEET	PERCENT
PRECIPITATION	53.97	195911.125	100.00
RUNOFF	15.441	56050.832	28.61
EVAPOTRANSPIRATION	40.439	146793.562	74.93
PERC./LEAKAGE THROUGH LAYER 3	0.575777	2090.070	1.07
AVG. HEAD ON TOP OF LAYER 3	16.5487		
DRAINAGE COLLECTED FROM LAYER 7	0.5233	1899.537	0.97
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.433	-8833.059	-4.51
SOIL WATER AT START OF YEAR	704.320	2556681.000	
SOIL WATER AT END OF YEAR	701.886	2547848.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.222	0.00

ANNUAL TOTALS FOR YEAR 1988

	INCHES	CU. FEET	PERCENT
PRECIPITATION	59.02	214242.609	100.00
RUNOFF	17.824	64701.957	30.20

EVAPOTRANSPIRATION	39.635	143875.687	67.16
PERC./LEAKAGE THROUGH LAYER 3	0.561236	2037.288	0.95
AVG. HEAD ON TOP OF LAYER 3	15.9972		
DRAINAGE COLLECTED FROM LAYER 7	0.5525	2005.600	0.94
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	1.008	3659.467	1.71
SOIL WATER AT START OF YEAR	701.886	2547848.000	
SOIL WATER AT END OF YEAR	702.895	2551507.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.134	0.00

ANNUAL TOTALS FOR YEAR 1989

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.80	155364.016	100.00
RUNOFF	4.060	14736.518	9.49
EVAPOTRANSPIRATION	37.629	136594.531	87.92
PERC./LEAKAGE THROUGH LAYER 3	0.479248	1739.671	1.12
AVG. HEAD ON TOP OF LAYER 3	13.3485		
DRAINAGE COLLECTED FROM LAYER 7	0.5199	1887.248	1.21
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		

DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.591	2145.564	1.38
SOIL WATER AT START OF YEAR	702.895	2551507.250	
SOIL WATER AT END OF YEAR	703.486	2553653.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.128	0.00

ANNUAL TOTALS FOR YEAR 1990

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	30.58	111005.398	100.00
RUNOFF	1.701	6175.248	5.56
EVAPOTRANSPIRATION	30.190	109590.656	98.73
PERC./LEAKAGE THROUGH LAYER 3	0.470986	1709.679	1.54
AVG. HEAD ON TOP OF LAYER 3	13.0847		
DRAINAGE COLLECTED FROM LAYER 7	0.4923	1786.994	1.61
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-1.804	-6547.249	-5.90
SOIL WATER AT START OF YEAR	703.486	2553653.000	
SOIL WATER AT END OF YEAR	701.682	2547105.750	

SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.269	0.00

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	72.99	264953.750	100.00
RUNOFF	20.932	75984.719	28.68
EVAPOTRANSPIRATION	51.466	186821.875	70.51
PERC./LEAKAGE THROUGH LAYER 3	0.594722	2158.841	0.81
AVG. HEAD ON TOP OF LAYER 3	17.1378		
DRAINAGE COLLECTED FROM LAYER 7	0.5316	1929.707	0.73
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.060	217.348	0.08
SOIL WATER AT START OF YEAR	701.682	2547105.750	
SOIL WATER AT END OF YEAR	701.742	2547323.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.084	0.00

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	61.82	224406.594	100.00
RUNOFF	16.452	59722.324	26.61
EVAPOTRANSPIRATION	44.803	162633.641	72.47
PERC./LEAKAGE THROUGH LAYER 3	0.565641	2053.275	0.91
AVG. HEAD ON TOP OF LAYER 3	16.1486		
DRAINAGE COLLECTED FROM LAYER 7	0.5583	2026.656	0.90
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.007	23.928	0.01
SOIL WATER AT START OF YEAR	701.742	2547323.000	
SOIL WATER AT END OF YEAR	701.748	2547347.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.038	0.00

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.41	193878.266	100.00
RUNOFF	8.112	29446.980	15.19
EVAPOTRANSPIRATION	42.334	153670.922	79.26
PERC./LEAKAGE THROUGH LAYER 3	0.580339	2106.632	1.09

AVG. HEAD ON TOP OF LAYER 3	16.6989		
DRAINAGE COLLECTED FROM LAYER 7	0.5737	2082.558	1.07
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.391	8677.969	4.48
SOIL WATER AT START OF YEAR	701.748	2547347.000	
SOIL WATER AT END OF YEAR	704.139	2556025.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.191	0.00

ANNUAL TOTALS FOR YEAR 1994

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	52.98	192317.359	100.00
RUNOFF	11.671	42366.961	22.03
EVAPOTRANSPIRATION	42.089	152784.062	79.44
PERC./LEAKAGE THROUGH LAYER 3	0.555210	2015.414	1.05
AVG. HEAD ON TOP OF LAYER 3	15.8448		
DRAINAGE COLLECTED FROM LAYER 7	0.5712	2073.454	1.08
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00

AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-1.352	-4907.058	-2.55
SOIL WATER AT START OF YEAR	704.139	2556025.000	
SOIL WATER AT END OF YEAR	702.787	2551117.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.073	0.00

ANNUAL TOTALS FOR YEAR 1995

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	48.84	177289.250	100.00
RUNOFF	4.713	17107.666	9.65
EVAPOTRANSPIRATION	43.390	157504.766	88.84
PERC./LEAKAGE THROUGH LAYER 3	0.506333	1837.990	1.04
AVG. HEAD ON TOP OF LAYER 3	14.2403		
DRAINAGE COLLECTED FROM LAYER 7	0.5092	1848.255	1.04
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.228	828.404	0.47
SOIL WATER AT START OF YEAR	702.787	2551117.750	
SOIL WATER AT END OF YEAR	703.016	2551946.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

ANNUAL WATER BUDGET BALANCE 0.0000 0.142 0.00

ANNUAL TOTALS FOR YEAR 1996

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	53.32	193551.578	100.00
RUNOFF	12.476	45287.219	23.40
EVAPOTRANSPIRATION	39.661	143967.641	74.38
PERC./LEAKAGE THROUGH LAYER 3	0.515826	1872.447	0.97
AVG. HEAD ON TOP OF LAYER 3	14.4970		
DRAINAGE COLLECTED FROM LAYER 7	0.5299	1923.682	0.99
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.654	2372.882	1.23
SOIL WATER AT START OF YEAR	703.016	2551946.250	
SOIL WATER AT END OF YEAR	703.669	2554319.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.143	0.00

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	50.98	185057.437	100.00
RUNOFF	10.609	38510.156	20.81
EVAPOTRANSPIRATION	38.737	140614.672	75.98
PERC./LEAKAGE THROUGH LAYER 3	0.540413	1961.698	1.06
AVG. HEAD ON TOP OF LAYER 3	15.3593		
DRAINAGE COLLECTED FROM LAYER 7	0.5335	1936.707	1.05
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	1.101	3995.792	2.16
SOIL WATER AT START OF YEAR	703.669	2554319.250	
SOIL WATER AT END OF YEAR	704.770	2558315.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.097	0.00

ANNUAL TOTALS FOR YEAR 1998

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.29	218852.687	100.00
RUNOFF	26.360	95687.750	43.72
EVAPOTRANSPIRATION	36.397	132122.875	60.37
PERC./LEAKAGE THROUGH LAYER 3	0.553066	2007.630	0.92
AVG. HEAD ON TOP OF LAYER 3	15.7973		

DRAINAGE COLLECTED FROM LAYER 7	0.5634	2045.019	0.93
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-3.031	-11002.772	-5.03
SOIL WATER AT START OF YEAR	704.770	2558315.000	
SOIL WATER AT END OF YEAR	701.739	2547312.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.206	0.00

ANNUAL TOTALS FOR YEAR 1999

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	40.67	147632.109	100.00
RUNOFF	4.034	14642.481	9.92
EVAPOTRANSPIRATION	35.859	130169.766	88.17
PERC./LEAKAGE THROUGH LAYER 3	0.478877	1738.323	1.18
AVG. HEAD ON TOP OF LAYER 3	13.3585		
DRAINAGE COLLECTED FROM LAYER 7	0.5050	1833.165	1.24
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		

CHANGE IN WATER STORAGE	0.272	986.596	0.67
SOIL WATER AT START OF YEAR	701.739	2547312.250	
SOIL WATER AT END OF YEAR	702.011	2548298.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.080	0.00

ANNUAL TOTALS FOR YEAR 2000

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	41.56	150862.812	100.00
RUNOFF	4.385	15918.191	10.55
EVAPOTRANSPIRATION	34.664	125828.570	83.41
PERC./LEAKAGE THROUGH LAYER 3	0.515579	1871.551	1.24
AVG. HEAD ON TOP OF LAYER 3	14.5151		
DRAINAGE COLLECTED FROM LAYER 7	0.4867	1766.623	1.17
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.025	7349.288	4.87
SOIL WATER AT START OF YEAR	702.011	2548298.750	
SOIL WATER AT END OF YEAR	704.035	2555648.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.119	0.00

ANNUAL TOTALS FOR YEAR 2001

	INCHES	CU. FEET	PERCENT
PRECIPITATION	47.55	172606.484	100.00
RUNOFF	11.157	40500.039	23.46
EVAPOTRANSPIRATION	38.050	138123.156	80.02
PERC./LEAKAGE THROUGH LAYER 3	0.515603	1871.638	1.08
AVG. HEAD ON TOP OF LAYER 3	14.5376		
DRAINAGE COLLECTED FROM LAYER 7	0.5151	1869.964	1.08
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.173	-7886.343	-4.57
SOIL WATER AT START OF YEAR	704.035	2555648.000	
SOIL WATER AT END OF YEAR	701.863	2547761.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.355	0.00

ANNUAL TOTALS FOR YEAR 2002

	INCHES	CU. FEET	PERCENT
PRECIPITATION	62.56	227092.891	100.00

RUNOFF	15.790	57318.633	25.24
EVAPOTRANSPIRATION	43.452	157729.656	69.46
PERC./LEAKAGE THROUGH LAYER 3	0.599866	2177.514	0.96
AVG. HEAD ON TOP OF LAYER 3	17.2824		
DRAINAGE COLLECTED FROM LAYER 7	0.5183	1881.508	0.83
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.800	10162.848	4.48
SOIL WATER AT START OF YEAR	701.863	2547761.750	
SOIL WATER AT END OF YEAR	704.662	2557924.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.228	0.00

ANNUAL TOTALS FOR YEAR 2003

	INCHES	CU. FEET	PERCENT
PRECIPITATION	58.24	211411.172	100.00
RUNOFF	15.482	56198.895	26.58
EVAPOTRANSPIRATION	45.060	163566.375	77.37
PERC./LEAKAGE THROUGH LAYER 3	0.559369	2030.510	0.96
AVG. HEAD ON TOP OF LAYER 3	15.9855		
DRAINAGE COLLECTED FROM LAYER 7	0.6425	2332.449	1.10
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00

AVG. HEAD ON TOP OF LAYER 8	0.0004		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.944	-10686.389	-5.05
SOIL WATER AT START OF YEAR	704.662	2557924.500	
SOIL WATER AT END OF YEAR	701.719	2547238.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.172	0.00

ANNUAL TOTALS FOR YEAR 2004

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	60.67	220232.062	100.00
RUNOFF	17.721	64326.984	29.21
EVAPOTRANSPIRATION	39.492	143354.250	65.09
PERC./LEAKAGE THROUGH LAYER 3	0.551989	2003.720	0.91
AVG. HEAD ON TOP OF LAYER 3	15.6846		
DRAINAGE COLLECTED FROM LAYER 7	0.5206	1889.792	0.86
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.937	10661.353	4.84
SOIL WATER AT START OF YEAR	701.719	2547238.250	

SOIL WATER AT END OF YEAR	704.656	2557899.500	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.326	0.00

ANNUAL TOTALS FOR YEAR 2005

	INCHES	CU. FEET	PERCENT
PRECIPITATION	61.90	224697.047	100.00
RUNOFF	15.100	54811.922	24.39
EVAPOTRANSPIRATION	46.324	168157.609	74.84
PERC./LEAKAGE THROUGH LAYER 3	0.549454	1994.519	0.89
AVG. HEAD ON TOP OF LAYER 3	15.6302		
DRAINAGE COLLECTED FROM LAYER 7	0.5902	2142.397	0.95
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-0.114	-415.199	-0.18
SOIL WATER AT START OF YEAR	704.656	2557899.500	
SOIL WATER AT END OF YEAR	704.541	2557484.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0001	0.303	0.00

ANNUAL TOTALS FOR YEAR 2006

	INCHES	CU. FEET	PERCENT
PRECIPITATION	42.53	154383.875	100.00
RUNOFF	9.188	33352.234	21.60
EVAPOTRANSPIRATION	33.045	119952.500	77.70
PERC./LEAKAGE THROUGH LAYER 3	0.500197	1815.715	1.18
AVG. HEAD ON TOP OF LAYER 3	14.0844		
DRAINAGE COLLECTED FROM LAYER 7	0.5315	1929.323	1.25
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-0.234	-850.338	-0.55
SOIL WATER AT START OF YEAR	704.541	2557484.250	
SOIL WATER AT END OF YEAR	704.307	2556634.000	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.146	0.00

ANNUAL TOTALS FOR YEAR 2007

	INCHES	CU. FEET	PERCENT
PRECIPITATION	52.73	191409.875	100.00
RUNOFF	11.082	40227.344	21.02

EVAPOTRANSPIRATION	40.844	148262.016	77.46
PERC./LEAKAGE THROUGH LAYER 3	0.565391	2052.369	1.07
AVG. HEAD ON TOP OF LAYER 3	16.1882		
DRAINAGE COLLECTED FROM LAYER 7	0.4950	1796.875	0.94
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	0.310	1123.740	0.59
SOIL WATER AT START OF YEAR	704.307	2556634.000	
SOIL WATER AT END OF YEAR	704.616	2557757.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.116	0.00

ANNUAL TOTALS FOR YEAR 2008

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	58.77	213335.094	100.00
RUNOFF	21.065	76467.312	35.84
EVAPOTRANSPIRATION	40.025	145289.094	68.10
PERC./LEAKAGE THROUGH LAYER 3	0.560386	2034.200	0.95
AVG. HEAD ON TOP OF LAYER 3	15.9507		
DRAINAGE COLLECTED FROM LAYER 7	0.5928	2151.982	1.01
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		

DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.913	-10573.395	-4.96
SOIL WATER AT START OF YEAR	704.616	2557757.750	
SOIL WATER AT END OF YEAR	701.704	2547184.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.072	0.00

ANNUAL TOTALS FOR YEAR 2009

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	54.20	196745.984	100.00
RUNOFF	13.198	47907.750	24.35
EVAPOTRANSPIRATION	37.965	137813.422	70.05
PERC./LEAKAGE THROUGH LAYER 3	0.507039	1840.552	0.94
AVG. HEAD ON TOP OF LAYER 3	14.2681		
DRAINAGE COLLECTED FROM LAYER 7	0.5236	1900.678	0.97
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	2.513	9123.964	4.64
SOIL WATER AT START OF YEAR	701.704	2547184.250	
SOIL WATER AT END OF YEAR	704.217	2556308.250	

SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.157	0.00

ANNUAL TOTALS FOR YEAR 2010

	INCHES	CU. FEET	PERCENT
	-----	-----	-----
PRECIPITATION	42.27	153440.109	100.00
RUNOFF	5.172	18773.242	12.23
EVAPOTRANSPIRATION	38.736	140610.453	91.64
PERC./LEAKAGE THROUGH LAYER 3	0.517352	1877.989	1.22
AVG. HEAD ON TOP OF LAYER 3	14.6439		
DRAINAGE COLLECTED FROM LAYER 7	0.5250	1905.864	1.24
PERC./LEAKAGE THROUGH LAYER 9	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 8	0.0003		
DRAINAGE COLLECTED FROM LAYER 10	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 12	0.000005	0.018	0.00
AVG. HEAD ON TOP OF LAYER 11	0.0000		
CHANGE IN WATER STORAGE	-2.162	-7849.122	-5.12
SOIL WATER AT START OF YEAR	704.217	2556308.250	
SOIL WATER AT END OF YEAR	702.055	2548459.250	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	-0.0001	-0.334	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1986 THROUGH 2010

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC

PRECIPITATION						

TOTALS	4.22 6.65	3.50 7.23	4.19 5.48	2.69 3.96	2.52 1.96	7.31 2.81
STD. DEVIATIONS	2.74 2.00	3.18 3.12	2.85 3.49	2.33 3.48	2.56 1.51	3.29 2.18
RUNOFF						

TOTALS	1.432 1.086	1.201 1.422	1.048 1.480	0.452 1.573	0.389 0.276	1.109 0.662
STD. DEVIATIONS	1.960 1.201	2.697 2.448	1.952 2.551	0.936 2.595	1.534 0.638	1.279 1.316
EVAPOTRANSPIRATION						

TOTALS	2.315 5.823	2.594 5.440	3.509 4.195	2.884 2.867	2.306 1.550	4.924 1.541
STD. DEVIATIONS	0.428 1.199	0.570 0.849	0.970 1.143	1.295 1.073	1.665 0.835	1.423 0.718
PERCOLATION/LEAKAGE THROUGH LAYER 3						

TOTALS	0.0508 0.0477	0.0464 0.0478	0.0486 0.0462	0.0400 0.0456	0.0381 0.0404	0.0413 0.0454
STD. DEVIATIONS	0.0100 0.0075	0.0086 0.0076	0.0090 0.0079	0.0057 0.0073	0.0028 0.0080	0.0063 0.0095
LATERAL DRAINAGE COLLECTED FROM LAYER 7						

TOTALS	0.0454 0.0478	0.0374 0.0432	0.0400 0.0401	0.0397 0.0410	0.0469 0.0421	0.0499 0.0485
STD. DEVIATIONS	0.0128 0.0124	0.0114 0.0094	0.0122 0.0060	0.0103 0.0096	0.0122 0.0073	0.0129 0.0070
PERCOLATION/LEAKAGE THROUGH LAYER 9						

TOTALS	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000
STD. DEVIATIONS	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000
LATERAL DRAINAGE COLLECTED FROM LAYER 10						

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 12						
TOTALS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 3

AVERAGES	17.2619	17.3157	16.3945	13.6027	12.3649	14.1211
	16.0466	16.0908	16.0686	15.2377	13.7541	15.1822
STD. DEVIATIONS	3.8303	3.6215	3.4486	2.2428	1.0895	2.5122
	2.8718	2.9332	3.1438	2.7983	3.1835	3.6560

DAILY AVERAGE HEAD ON TOP OF LAYER 8

AVERAGES	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
STD. DEVIATIONS	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	0.0001	0.0001	0.0000	0.0001	0.0000	0.0000

DAILY AVERAGE HEAD ON TOP OF LAYER 11

AVERAGES	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1986 THROUGH 2010

	INCHES		CU. FEET	PERCENT
PRECIPITATION	52.53	(9.218)	190673.7	100.00

RUNOFF	12.131	(6.2141)	44035.03	23.094
EVAPOTRANSPIRATION	39.949	(4.4585)	145015.47	76.054
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.53835	(0.03587)	1954.218	1.02490
AVERAGE HEAD ON TOP OF LAYER 3	15.287	(1.171)		
LATERAL DRAINAGE COLLECTED FROM LAYER 7	0.52208	(0.08606)	1895.165	0.99393
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.00000	(0.00000)	0.018	0.00001
AVERAGE HEAD ON TOP OF LAYER 8	0.000	(0.000)		
LATERAL DRAINAGE COLLECTED FROM LAYER 10	0.00000	(0.00000)	0.000	0.00000
PERCOLATION/LEAKAGE THROUGH LAYER 12	0.00000	(0.00000)	0.018	0.00001
AVERAGE HEAD ON TOP OF LAYER 11	0.000	(0.000)		
CHANGE IN WATER STORAGE	-0.075	(1.8557)	-271.95	-0.143

PEAK DAILY VALUES FOR YEARS 1986 THROUGH 2010

	(INCHES)	(CU. FT.)
PRECIPITATION	7.50	27225.000
RUNOFF	7.211	26175.9160
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.002206	8.00791
AVERAGE HEAD ON TOP OF LAYER 3	24.000	
DRAINAGE COLLECTED FROM LAYER 7	0.00303	11.00432
PERCOLATION/LEAKAGE THROUGH LAYER 9	0.000000	0.00005
AVERAGE HEAD ON TOP OF LAYER 8	0.001	
MAXIMUM HEAD ON TOP OF LAYER 8	0.001	
LOCATION OF MAXIMUM HEAD IN LAYER 7 (DISTANCE FROM DRAIN)	0.0 FEET	
DRAINAGE COLLECTED FROM LAYER 10	0.00000	0.00001
PERCOLATION/LEAKAGE THROUGH LAYER 12	0.000000	0.00005
AVERAGE HEAD ON TOP OF LAYER 11	0.000	
MAXIMUM HEAD ON TOP OF LAYER 11	0.002	
LOCATION OF MAXIMUM HEAD IN LAYER 10 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	0.00	0.0000
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3980
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.1360

*** Maximum heads are computed using McEnroe's equations. ***

Reference: Maximum Saturated Depth over Landfill Liner
by Bruce M. McEnroe, University of Kansas
ASCE Journal of Environmental Engineering
Vol. 119, No. 2, March 1993, pp. 262-270.

FINAL WATER STORAGE AT END OF YEAR 2010

LAYER	(INCHES)	(VOL/VOL)
1	2.0122	0.1677
2	5.3917	0.4493
3	0.0000	0.0000
4	2.9280	0.2440
5	681.6000	0.2840
6	4.0559	0.1690
7	0.0030	0.0109
8	0.0000	0.0000
9	0.1275	0.7500
10	0.0025	0.0100
11	0.0000	0.0000
12	3.0060	0.5010
SNOW WATER	0.000	

