

Case 4 (Continued)

EVAPOTRANSPIRATION	25.831	93763.578	98.59
PERC./LEAKAGE THROUGH LAYER 3	0.002535	9.202	0.01
AVG. HEAD ON TOP OF LAYER 2	15.1554		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002535	9.203	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0025	9.194	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	0.367	1331.147	1.40
SOIL WATER AT START OF YEAR	562.872	2043182.031	
SOIL WATER AT END OF YEAR	563.239	2044513.179	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 21

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.29	0.99	2.08	8.53	5.62	0.70
	3.46	3.30	4.64	3.35	0.85	3.51
RUNOFF	0.000	0.000	0.000	1.082	1.743	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.648	1.228	2.419	5.325	5.938	1.124
	2.596	4.170	3.886	2.884	0.921	1.019
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	15.193	15.468	15.385	19.962	18.020	14.000
	14.675	14.339	14.167	17.272	16.340	21.174
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.039	0.189	0.214	3.730	3.296	0.000
	1.459	0.501	0.380	1.198	0.232	2.015

Case 4 (Continued)

AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 21

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	38.32	139098.568	100.00	
RUNOFF	2.825	10255.903	7.37	
EVAPOTRANSPIRATION	33.160	120369.220	86.54	
PERC./LEAKAGE THROUGH LAYER 3		0.002731	9.915	0.01
AVG. HEAD ON TOP OF LAYER 2	16.3329			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.002659	9.653	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0027	9.635	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	2.332	8463.803	6.08	
SOIL WATER AT START OF YEAR	563.239	2044513.179		
SOIL WATER AT END OF YEAR	565.571	2052976.981		
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	

MONTHLY TOTALS (IN INCHES) FOR YEAR 22

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.31	1.42	0.65	2.58	1.28	0.00
	2.65	1.83	5.20	0.74	0.40	0.06
RUNOFF	0.066	0.032	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.756	1.363	1.258	5.120	1.281	0.000
	2.561	1.918	2.875	2.662	0.792	0.038

Case 4 (Continued)

PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.527	22.169	20.556	18.688	14.000	13.999
	13.999	14.000	14.303	15.221	14.000	13.999
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.603	0.670	0.738	3.362	0.000	0.000
	0.001	0.000	0.817	1.175	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 22

	INCHES	CU. FEET	PERCENT
PRECIPITATION	18.12	65774.166	100.00
RUNOFF	0.098	354.770	0.54
EVAPOTRANSPIRATION	21.626	78500.930	119.35
PERC./LEAKAGE THROUGH LAYER 3	0.002746	9.966	0.02
AVG. HEAD ON TOP OF LAYER 2	16.4550		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002818	10.229	0.02
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0028	10.235	0.02
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-3.607	-13091.777	-19.90
SOIL WATER AT START OF YEAR	565.571	2052976.981	

Case 4 (Continued)

SOIL WATER AT END OF YEAR	561.964	2039885.204	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 23

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC	
PRECIPITATION	1.22	3.41	2.97	5.31	7.63	3.88	
	5.01	0.00	1.28	0.85	5.34	2.15	
RUNOFF	0.000	0.000	0.000	0.000	0.304	0.330	
	0.000	0.000	0.000	0.000	0.437	1.172	
EVAPOTRANSPIRATION	0.608	1.746	3.231	5.383	6.115	6.733	
	5.010	0.000	1.280	0.850	1.156	1.043	
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002	0.0002	0.0003	0.0002	0.0002	0.0003	
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0003	0.0002	0.0002	0.0003	
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0003	0.0002	0.0002	0.0003	
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	14.000	16.486	18.915	17.353	17.247	19.288	
	14.382	13.999	13.999	14.000	18.721	23.606	
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000	2.503	0.576	2.342	2.759	3.324	
	0.598	0.000	0.000	0.000	4.798	0.249	
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000	
	0.000	0.000	0.000	0.000	0.000	0.000	
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000	
	0.000	0.000	0.000	0.000	0.000	0.000	

ANNUAL TOTALS FOR YEAR 23

	INCHES	CU. FEET	PERCENT
PRECIPITATION	39.05	141748.410	100.00
RUNOFF	2.243	8140.243	5.74

Case 4 (Continued)

EVAPOTRANSPIRATION	33.155	120350.771	84.90
PERC./LEAKAGE THROUGH LAYER 3	0.002815	10.219	0.01
AVG. HEAD ON TOP OF LAYER 2	16.8331		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002622	9.518	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0026	9.500	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	3.650	13247.889	9.35
SOIL WATER AT START OF YEAR	561.964	2039885.204	
SOIL WATER AT END OF YEAR	565.614	2053133.093	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 24

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.17	0.58	1.58	4.22	6.64	2.26
	1.30	1.70	1.57	2.09	3.32	2.15
RUNOFF	0.000	0.000	0.000	0.000	0.812	0.000
	0.000	0.000	0.000	0.000	0.000	0.456
EVAPOTRANSPIRATION	0.940	0.408	2.037	4.425	7.514	2.994
	0.942	2.058	1.570	1.002	1.354	1.262
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0003	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	21.919	20.705	21.367	16.594	19.607	14.104
	14.000	13.999	13.999	14.000	18.436	21.720

Case 4 (Continued)

STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.575	0.139	0.679	2.495	2.386	0.225
	0.000	0.000	0.000	0.000	3.141	1.364
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 24

	INCHES	CU. FEET	PERCENT
PRECIPITATION	27.58	100113.218	100.00
RUNOFF	1.268	4603.487	4.60
EVAPOTRANSPIRATION	26.506	96215.060	96.11
PERC./LEAKAGE THROUGH LAYER 3	0.002944	10.687	0.01
AVG. HEAD ON TOP OF LAYER 2	17.5375		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.003029	10.995	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0030	10.986	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-0.197	-716.323	-0.72
SOIL WATER AT START OF YEAR	565.614	2053133.093	
SOIL WATER AT END OF YEAR	565.416	2052416.770	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 25

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.25	3.25	0.79	2.87	4.75	2.48
	4.21	1.75	3.02	0.89	2.33	2.37
RUNOFF	0.000	1.852	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.373	1.667	1.070	5.359	3.828	2.073
	5.841	1.501	2.344	1.786	0.928	1.192

Case 4 (Continued)

PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	21.881	22.606	21.297	17.224	14.091	14.241
	14.465	14.000	14.000	13.999	14.518	17.420
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.272	0.821	0.294	1.973	0.262	0.573
	0.807	0.000	0.000	0.000	0.689	1.217
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 25

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	29.96	108752.430	100.00	
RUNOFF	1.852	6720.899	6.18	
EVAPOTRANSPIRATION	28.963	105134.889	96.67	
PERC./LEAKAGE THROUGH LAYER 3	0.002778	10.085	0.01	
AVG. HEAD ON TOP OF LAYER 2	16.6451			
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00	
PERC./LEAKAGE THROUGH LAYER 7	0.002886	10.476	0.01	
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9	0.0029	10.462	0.01	
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00	
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	-0.858	-3113.827	-2.86	
SOIL WATER AT START OF YEAR	565.416	2052416.770		
SOIL WATER AT END OF YEAR	564.559	2049302.943		

Case 4 (Continued)

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

MONTHLY TOTALS (IN INCHES) FOR YEAR 26

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.89	0.86	1.30	1.41	5.60	1.47
	1.42	4.56	4.16	6.97	1.58	3.85
RUNOFF	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	1.075	0.297	2.521
EVAPOTRANSPIRATION	1.474	0.733	2.594	2.284	4.771	2.299
	1.420	4.560	3.474	2.827	1.134	1.282
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	18.984	18.296	17.610	14.160	14.035	14.000
	13.999	15.728	14.249	21.128	23.492	23.594
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.281	0.137	0.448	0.448	0.087	0.000
	0.000	2.305	0.486	2.467	0.316	0.274
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 26

	INCHES	CU. FEET	PERCENT
PRECIPITATION	34.07	123671.404	100.00
RUNOFF	3.893	14132.400	11.43

Case 4 (Continued)

EVAPOTRANSPIRATION	28.851	104727.033	84.68
PERC./LEAKAGE THROUGH LAYER 3	0.002920	10.599	0.01
AVG. HEAD ON TOP OF LAYER 2	17.4394		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002592	9.409	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0026	9.404	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	1.323	4802.560	3.88
SOIL WATER AT START OF YEAR	564.559	2049302.943	
SOIL WATER AT END OF YEAR	565.882	2054105.503	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 27

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.15	1.94	0.59	1.39	4.74	3.79
	1.20	7.30	0.74	6.22	4.05	0.04
RUNOFF	0.000	0.360	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.350	2.767	0.000
EVAPOTRANSPIRATION	1.939	1.327	1.344	3.479	5.309	3.790
	1.200	4.016	4.024	1.933	1.305	0.917
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.520	22.212	21.037	16.325	14.976	14.251
	14.000	14.173	15.866	17.336	23.542	22.500
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.554	0.879	0.534	2.507	0.866	0.502
	0.000	0.440	2.403	3.700	0.307	0.694

Case 4 (Continued)

AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 27

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	33.15	120331.877	100.00	
RUNOFF	3.477	12619.715	10.49	
EVAPOTRANSPIRATION	30.581	111008.299	92.25	
PERC./LEAKAGE THROUGH LAYER 3		0.003050	11.071	0.01
AVG. HEAD ON TOP OF LAYER 2	18.2282			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.003121	11.328	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0031	11.320	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	-0.911	-3307.463	-2.75	
SOIL WATER AT START OF YEAR	565.882	2054105.503		
SOIL WATER AT END OF YEAR	564.970	2050798.040		
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	

MONTHLY TOTALS (IN INCHES) FOR YEAR 28

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.62	0.67	2.47	1.67	2.99	0.47
RUNOFF	0.471	0.000	0.518	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.196	1.387	2.478	4.325	2.927	0.602
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
LATERAL DRAINAGE COLLECTED	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Case 4 (Continued)

FROM LAYER 6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	21.848	22.099	22.323	18.403	14.000	14.000
	14.000	14.016	15.111	16.417	22.506	22.111
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.905	0.708	1.001	1.826	0.000	0.000
	0.000	0.056	1.191	3.124	1.123	0.719
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 28

	INCHES	CU. FEET	PERCENT
PRECIPITATION	31.78	115358.886	100.00
RUNOFF	2.107	7649.025	6.63
EVAPOTRANSPIRATION	28.750	104360.042	90.47
PERC./LEAKAGE THROUGH LAYER 3	0.003032	11.008	0.01
AVG. HEAD ON TOP OF LAYER 2	18.0692		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.003090	11.217	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0031	11.210	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	0.920	3338.601	2.89
SOIL WATER AT START OF YEAR	564.970	2050798.040	
SOIL WATER AT END OF YEAR	565.890	2054136.641	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

Case 4 (Continued)

ANNUAL WATER BUDGET BALANCE 0.0000 -0.002 0.00

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON 22.546 22.204 22.496 16.894 14.000 15.715
TOP OF LAYER 2 16.439 14.792 14.000 14.966 22.972 23.297

STD. DEVIATION OF DAILY 0.874 1.015 1.100 2.560 0.000 2.800
HEAD ON TOP OF LAYER 2 2.927 1.392 0.000 1.342 1.091 0.707

AVERAGE DAILY HEAD ON 0.000 0.000 0.000 0.000 0.000 0.000
TOP OF LAYER 7 0.000 0.000 0.000 0.000 0.000 0.000

STD. DEVIATION OF DAILY 0.000 0.000 0.000 0.000 0.000 0.000
HEAD ON TOP OF LAYER 7 0.000 0.000 0.000 0.000 0.000 0.000

AVERAGE DAILY HEAD ON 0.000 0.000 0.000 0.000 0.000 0.000
TOP OF LAYER 10 0.000 0.000 0.000 0.000 0.000 0.000

STD. DEVIATION OF DAILY 0.000 0.000 0.000 0.000 0.000 0.000
HEAD ON TOP OF LAYER 10 0.000 0.000 0.000 0.000 0.000 0.000

ANNUAL TOTALS FOR YEAR 29

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	37.31	135432.348	100.00	
RUNOFF	5.853	21244.311	15.69	
EVAPOTRANSPIRATION	32.190	116845.373	86.28	
PERC./LEAKAGE THROUGH LAYER 3		0.003073	11.156	0.01
AVG. HEAD ON TOP OF LAYER 2	18.3602			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.003037	11.024	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0030	11.014	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	-0.735	-2668.358	-1.97	
SOIL WATER AT START OF YEAR	565.890	2054136.641		
SOIL WATER AT END OF YEAR	565.155	2051468.284		
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	

Case 4 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 30

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.19	1.42 1.98	2.35 1.22	1.86 3.07	5.85 1.17	7.21 2.89 1.03
RUNOFF	0.000	0.000	1.074 0.000	0.298 0.000	0.000 0.736	0.000 0.000
EVAPOTRANSPIRATION	1.877	2.393	1.480 1.220	1.119 2.444	2.535 1.015	6.323 6.969 2.306 1.204
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002	0.0002	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 7	0.0003	0.0003	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0003	0.0003	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.254	21.867	21.623	18.262	19.921	14.247
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.610	0.727	0.977	1.904	2.467	0.709
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 30

	INCHES	CU. FEET	PERCENT
PRECIPITATION	32.24	117028.649	100.00
RUNOFF	2.108	7653.536	6.54
EVAPOTRANSPIRATION	30.884	112107.108	95.79
PERC./LEAKAGE THROUGH LAYER 3	0.002847	10.334	0.01
AVG. HEAD ON TOP OF LAYER 2	17.0349		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.003082	11.188	0.01

Case 4 (Continued)

AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0031	11.177	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-0.756	-2743.178	-2.34
SOIL WATER AT START OF YEAR	565.155	2051468.284	
SOIL WATER AT END OF YEAR	564.399	2048725.105	
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

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1 THROUGH 30

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

PRECIPITATION

TOTALS	1.15	2.50	1.69	3.07	4.12	2.87
	2.10	2.84	3.09	2.84	2.07	2.03
STD. DEVIATIONS	0.76	1.44	0.99	1.85	2.16	2.46
	1.60	2.21	2.00	2.10	1.33	1.35

RUNOFF

TOTALS	0.034	0.530	0.108	0.099	0.168	0.128
	0.041	0.033	0.039	0.147	0.174	0.425
STD. DEVIATIONS	0.103	0.941	0.287	0.304	0.437	0.441
	0.204	0.181	0.209	0.423	0.521	0.809

EVAPOTRANSPIRATION

TOTALS	1.319	1.438	2.244	4.529	4.038	2.864
	2.477	2.550	2.733	2.055	1.042	1.080
STD. DEVIATIONS	0.387	0.524	0.704	1.272	1.877	2.112
	1.864	1.633	1.546	0.929	0.295	0.313

PERCOLATION/LEAKAGE THROUGH LAYER 3

TOTALS	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003
STD. DEVIATIONS	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001

LATERAL DRAINAGE COLLECTED FROM 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

PERCOLATION/LEAKAGE THROUGH LAYER 7

TOTALS	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002

Case 4 (Continued)

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

LATERAL DRAINAGE COLLECTED FROM LAYER 9

TOTALS 0.0002 0.0002 0.0002 0.0003 0.0003 0.0003
 0.0003 0.0002 0.0002 0.0002 0.0002 0.0002

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

PERCOLATION/LEAKAGE THROUGH LAYER 11

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 2

AVERAGES 19.5014 20.1112 20.2270 16.9535 15.1128 14.6584
 14.3833 14.2368 14.6676 15.8302 17.4902 19.3906

STD. DEVIATIONS 3.2199 2.9231 2.3481 1.6258 1.7720 1.2475
 0.8319 0.6019 1.0545 2.2567 3.3850 3.5072

DAILY AVERAGE HEAD ON TOP OF LAYER 7

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

DAILY AVERAGE HEAD ON TOP OF LAYER 10

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 1 THROUGH 30

	INCHES	CU. FEET	PERCENT
PRECIPITATION	30.38 (6.302)	110267.3	100.00
RUNOFF	1.925 (1.8881)	6989.15	6.338
EVAPOTRANSPIRATION	28.368 (4.5813)	102972.72	93.385
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.00282 (0.00018)	10.248	0.00929
AVERAGE HEAD ON TOP OF LAYER 2	16.880 (1.075)		
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.00000 (0.00000)	0.000	0.00000
PERCOLATION/LEAKAGE THROUGH	0.00282 (0.00022)	10.247	0.00929

Case 4 (Continued)

LAYER 7

AVERAGE HEAD ON TOP OF LAYER 7 0.000 (0.000)

LATERAL DRAINAGE COLLECTED FROM LAYER 9 0.00282 (0.00022) 10.238 0.00928

PERCOLATION/LEAKAGE THROUGH LAYER 11 0.00000 (0.00000) 0.009 0.00001

AVERAGE HEAD ON TOP OF LAYER 10 0.000 (0.000)

CHANGE IN WATER STORAGE 0.081 (1.7190) 295.20 0.268

PEAK DAILY VALUES FOR YEARS 1 THROUGH 30 and their dates (DDDDYYYY)

	(INCHES)	(CU. FT.)	
PRECIPITATION	5.09	18476.29728	1290008
RUNOFF	2.665	9675.35596	3620015
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.000011	0.04020	3440001
AVERAGE HEAD ON TOP OF LAYER 2	24.000		
DRAINAGE COLLECTED FROM LAYER 6	0.00000	0.00000	1090027
PERCOLATION/LEAKAGE THROUGH LAYER 7	0.000014	0.05075	1110027
AVERAGE HEAD ON TOP OF LAYER 7	0.000		
MAXIMUM HEAD ON TOP OF LAYER 7	0.000		
LOCATION OF MAXIMUM HEAD IN LAYER 6 (DISTANCE FROM DRAIN)	0.0 FEET		
DRAINAGE COLLECTED FROM LAYER 9	0.00001	0.04391	2180008
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.000000	0.00002	2180008
AVERAGE HEAD ON TOP OF LAYER 10	0.000		
MAXIMUM HEAD ON TOP OF LAYER 10	0.000		
LOCATION OF MAXIMUM HEAD IN LAYER 9 (DISTANCE FROM DRAIN)	0.0 FEET		
SNOW WATER	1.95	7072.4948	3430003
MAXIMUM VEG. SOIL WATER (VOL/VOL)	0.4570		
MINIMUM VEG. SOIL WATER (VOL/VOL)	0.0580		

*** 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 30

Case 4 (Continued)

LAYER	(INCHES)	(VOL/VOL)
1	9.4448	0.3935
2	0.0000	0.0000
3	7.6860	0.4270
4	1.5720	0.1310
5	522.0960	0.2920
6	1.4880	0.0620
7	0.4099	0.4270
8	3.0182	0.1310
9	0.0021	0.0101
10	0.0000	0.0000
11	18.6823	0.4750
SNOW WATER	0.000	

Case 5

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**                                     **
**                                     **
**      HYDROLOGIC EVALUATION OF LANDFILL PERFORMANCE      **
**      HELP MODEL VERSION 3.07 (1 November 1997)          **
**      DEVELOPED BY ENVIRONMENTAL LABORATORY               **
**      USAE WATERWAYS EXPERIMENT STATION                  **
**      FOR USEPA RISK REDUCTION ENGINEERING LABORATORY     **
**                                     **
**                                     **
*****
*****
*****
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PRECIPITATION DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\weather1.dat
TEMPERATURE DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\weather2.dat
SOLAR RADIATION DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\weather3.dat
EVAPOTRANSPIRATION DATA: C:\WHI\UNSAT22\data\P922.VHP\weather4.dat
SOIL AND DESIGN DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\I_387045.inp
OUTPUT DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\O_387045.prt

TIME: 12:48 DATE: 6/12/2014

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*****
TITLE: Case 5
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NOTE: INITIAL MOISTURE CONTENT OF THE LAYERS AND SNOW WATER WERE
COMPUTED AS NEARLY STEADY-STATE VALUES BY THE PROGRAM.

LAYER 1

TYPE 1 - VERTICAL PERCOLATION LAYER
MATERIAL TEXTURE NUMBER 130
THICKNESS = 30.48 CM
POROSITY = 0.4570 VOL/VOL
FIELD CAPACITY = 0.1310 VOL/VOL
WILTING POINT = 0.0580 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.1508 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000000000E-02 CM/SEC

LAYER 2

TYPE 1 - VERTICAL PERCOLATION LAYER
MATERIAL TEXTURE NUMBER 18
THICKNESS = 5882.64 CM
POROSITY = 0.6710 VOL/VOL
FIELD CAPACITY = 0.2920 VOL/VOL
WILTING POINT = 0.0770 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.2921 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000224000E-02 CM/SEC

LAYER 3

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 2
THICKNESS = 60.96 CM
POROSITY = 0.4370 VOL/VOL
FIELD CAPACITY = 0.0620 VOL/VOL
WILTING POINT = 0.0240 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.1195 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.580000000000E-02 CM/SEC

Case 5 (Continued)

SLOPE = 2.50 PERCENT
DRAINAGE LENGTH = 75.0 METERS

LAYER 4

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 16
THICKNESS = 2.44 CM
POROSITY = 0.4270 VOL/VOL
FIELD CAPACITY = 0.4180 VOL/VOL
WILTING POINT = 0.3670 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.4270 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000000000E-05 CM/SEC

LAYER 5

TYPE 1 - VERTICAL PERCOLATION LAYER
MATERIAL TEXTURE NUMBER 130
THICKNESS = 58.52 CM
POROSITY = 0.4570 VOL/VOL
FIELD CAPACITY = 0.1310 VOL/VOL
WILTING POINT = 0.0580 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.2059 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000000000E-02 CM/SEC

LAYER 6

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 225
THICKNESS = 0.49 CM
POROSITY = 0.8500 VOL/VOL
FIELD CAPACITY = 0.0100 VOL/VOL
WILTING POINT = 0.0050 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0833 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 1.710000000000 CM/SEC
SLOPE = 2.50 PERCENT
DRAINAGE LENGTH = 75.0 METERS

LAYER 7

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 35
THICKNESS = 0.10 CM
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. = 0.200000000000E-12 CM/SEC
FML PINHOLE DENSITY = 2.00 HOLES/HECTARE
FML INSTALLATION DEFECTS = 2.00 HOLES/HECTARE
FML PLACEMENT QUALITY = 4 - POOR

LAYER 8

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 15
THICKNESS = 60.96 CM
POROSITY = 0.4750 VOL/VOL
FIELD CAPACITY = 0.3780 VOL/VOL
WILTING POINT = 0.2650 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.4750 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000000000E-06 CM/SEC

Case 5 (Continued)

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT
SOIL DATA BASE USING SOIL TEXTURE #** WITH A
GOOD STAND OF GRASS, A SURFACE SLOPE OF 30. %
AND A SLOPE LENGTH OF 30. METERS.

SCS RUNOFF CURVE NUMBER = 0.00
FRACTION OF AREA ALLOWING RUNOFF = 100.0 PERCENT
AREA PROJECTED ON HORIZONTAL PLANE = 0.4047 HECTARES
EVAPORATIVE ZONE DEPTH = 25.4 CM
INITIAL WATER IN EVAPORATIVE ZONE = 3.641 CM
UPPER LIMIT OF EVAPORATIVE STORAGE = 11.608 CM
LOWER LIMIT OF EVAPORATIVE STORAGE = 1.473 CM
INITIAL SNOW WATER = 0.000 CM
INITIAL WATER IN LAYER MATERIALS = 1772.505 CM
TOTAL INITIAL WATER = 1772.505 CM
TOTAL SUBSURFACE INFLOW = 0.00 MM/YR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM
Austin TX

STATION LATITUDE = 30.31 DEGREES
MAXIMUM LEAF AREA INDEX = 4.50
START OF GROWING SEASON (JULIAN DATE) = 44
END OF GROWING SEASON (JULIAN DATE) = 346
EVAPORATIVE ZONE DEPTH = 10.0 INCHES
AVERAGE ANNUAL WIND SPEED = 9.30 MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY = 66.00 %
AVERAGE 2ND QUARTER RELATIVE HUMIDITY = 70.00 %
AVERAGE 3RD QUARTER RELATIVE HUMIDITY = 66.00 %
AVERAGE 4TH QUARTER RELATIVE HUMIDITY = 67.00 %

NOTE: PRECIPITATION DATA WAS SYNTHETICALLY GENERATED USING
COEFFICIENTS FOR Austin TX

NORMAL MEAN MONTHLY PRECIPITATION (INCHES)

JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
1.60	2.49	1.68	3.11	4.19	3.06
1.89	2.24	3.60	3.38	2.20	2.06

NOTE: TEMPERATURE DATA WAS SYNTHETICALLY GENERATED USING
COEFFICIENTS FOR Austin TX

NORMAL MEAN MONTHLY TEMPERATURE (DEGREES FAHRENHEIT)

JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
49.10	53.20	60.50	68.70	74.90	81.60
84.70	84.50	79.20	69.80	58.70	52.10

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
COEFFICIENTS FOR Austin TX
AND STATION LATITUDE = 29.88 DEGREES

MONTHLY TOTALS (IN INCHES) FOR YEAR 1

Case 5 (Continued)

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.65	2.56	0.82	0.03	1.74	0.00
	0.45	4.41	2.37	5.47	0.62	3.40
RUNOFF	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	0.771	1.435	2.192	0.029	1.736	0.003
	0.448	4.070	2.206	2.563	1.337	1.944
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.0301	0.0000	0.0001	0.0001	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0462	0.0025
PERCOLATION/LEAKAGE THROUGH LAYER 4	1.0627	0.1417	0.1523	0.2296	0.1111	0.0666
	0.0483	0.0300	0.1170	0.0900	1.3233	0.4319
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.8405	0.5415	0.3098	0.1229	0.2269	0.1993
	0.1581	0.1205	0.1226	0.0384	0.0640	1.0238
PERCOLATION/LEAKAGE THROUGH LAYER 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 4	0.291	0.002	0.001	0.002	0.001	0.001
	0.000	0.000	0.001	0.001	0.461	0.024
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.323	0.000	0.001	0.001	0.000	0.000
	0.000	0.000	0.000	0.001	0.375	0.053
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.028	0.020	0.010	0.004	0.007	0.007
	0.005	0.004	0.004	0.001	0.002	0.034
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.021	0.005	0.003	0.002	0.001	0.001
	0.000	0.000	0.001	0.001	0.002	0.012

ANNUAL TOTALS FOR YEAR 1

	INCHES	CU. FEET	PERCENT
PRECIPITATION	22.52	81745.818	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	18.735	68004.810	83.19
DRAINAGE COLLECTED FROM LAYER 3	0.0790	286.943	0.35
PERC./LEAKAGE THROUGH LAYER 4	3.804509	13810.068	16.89
AVG. HEAD ON TOP OF LAYER 4	0.0655		
DRAINAGE COLLECTED FROM LAYER 6	3.7682	13678.255	16.73
PERC./LEAKAGE THROUGH LAYER 8	0.000026	0.095	0.00
AVG. HEAD ON TOP OF LAYER 7	0.0105		
CHANGE IN WATER STORAGE	-0.062	-224.283	-0.27
SOIL WATER AT START OF YEAR	697.837	2533091.354	
SOIL WATER AT END OF YEAR	697.775	2532867.070	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00

Case 5 (Continued)

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 2

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.00	6.11	2.35	3.42	3.62	2.33
	0.26	8.15	6.72	4.76	2.03	1.05
RUNOFF	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	0.659	2.103	2.901	3.495	2.995	2.481
	0.226	4.227	2.601	2.757	1.019	1.140
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.0264	0.0007	0.0354	0.0744	0.0002	0.0015
	0.0000	0.0000	0.0362	0.0474	0.0961	0.1369
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.9850	0.2988	1.1369	1.6945	0.3107	0.4857
	0.1305	0.0748	0.9272	1.5478	2.0405	2.5070
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.8347	0.5474	0.2523	1.9922	0.8663	0.4187
	0.4269	0.2534	0.1811	1.1054	1.7480	2.6251
PERCOLATION/LEAKAGE THROUGH LAYER 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 4	0.256	0.008	0.342	0.742	0.003	0.016
	0.001	0.001	0.362	0.458	0.960	1.322
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.301	0.016	0.390	0.457	0.002	0.028
	0.000	0.000	0.478	0.338	0.412	0.288
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.027	0.020	0.008	0.067	0.028	0.014
	0.014	0.008	0.006	0.036	0.059	0.086
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.020	0.005	0.009	0.011	0.014	0.007
	0.002	0.001	0.002	0.022	0.014	0.007

ANNUAL TOTALS FOR YEAR 2

	INCHES	CU. FEET	PERCENT
PRECIPITATION	40.80	148100.772	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	26.604	96571.321	65.21
DRAINAGE COLLECTED FROM LAYER 3	0.4553	1652.671	1.12
PERC./LEAKAGE THROUGH LAYER 4	12.139451	44065.247	29.75
AVG. HEAD ON TOP OF LAYER 4	0.3725		
DRAINAGE COLLECTED FROM LAYER 6	11.2514	40841.847	27.58

Case 5 (Continued)

PERC./LEAKAGE THROUGH LAYER 8	0.000067	0.243	0.00
AVG. HEAD ON TOP OF LAYER 7	0.0313		
CHANGE IN WATER STORAGE	2.489	9034.692	6.10
SOIL WATER AT START OF YEAR	697.775	2532867.070	
SOIL WATER AT END OF YEAR	700.264	2541901.763	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 3

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.36	3.57	0.83	1.69	5.59	4.55
	1.68	2.44	0.38	1.03	0.61	3.14
RUNOFF	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	0.693	1.572	1.104	1.968	2.982	4.773
	1.680	2.439	0.378	1.028	0.346	1.043
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.1243	0.0035	0.0517	0.0003	0.0000	0.0285
	0.0540	0.0000	0.0000	0.0000	0.0000	0.0005
PERCOLATION/LEAKAGE THROUGH LAYER 4	2.3736	0.3510	1.4741	0.2504	0.1027	0.8197
	1.3306	0.1299	0.0691	0.0493	0.0358	0.0959
LATERAL DRAINAGE COLLECTED FROM LAYER 6	2.4066	1.2581	0.7105	1.0595	0.3706	0.2312
	1.3527	0.5976	0.2668	0.1827	0.1312	0.1066
PERCOLATION/LEAKAGE THROUGH LAYER 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 4	1.201	0.039	0.499	0.004	0.001	0.285
	0.522	0.001	0.001	0.000	0.000	0.005
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.296	0.093	0.391	0.009	0.000	0.383
	0.552	0.000	0.000	0.000	0.000	0.019
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.079	0.046	0.023	0.036	0.012	0.008
	0.044	0.020	0.009	0.006	0.004	0.003
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.008	0.019	0.021	0.016	0.002	0.003
	0.029	0.007	0.001	0.001	0.000	0.001

ANNUAL TOTALS FOR YEAR 3

	INCHES	CU. FEET	PERCENT
PRECIPITATION	25.87	93906.053	100.00
RUNOFF	0.000	0.000	0.00

Case 5 (Continued)

EVAPOTRANSPIRATION	20.006	72620.544	77.33
DRAINAGE COLLECTED FROM LAYER 3	0.2629	954.420	1.02
PERC./LEAKAGE THROUGH LAYER 4	7.081991	25707.068	27.38
AVG. HEAD ON TOP OF LAYER 4	0.2132		
DRAINAGE COLLECTED FROM LAYER 6	8.6741	31486.242	33.53
PERC./LEAKAGE THROUGH LAYER 8	0.000053	0.192	0.00
AVG. HEAD ON TOP OF LAYER 7	0.0242		
CHANGE IN WATER STORAGE	-3.073	-11155.344	-11.88
SOIL WATER AT START OF YEAR	700.264	2541901.763	
SOIL WATER AT END OF YEAR	697.191	2530746.418	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 4

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.85	3.06	1.65	3.84	3.05	1.18
	1.76	0.97	3.09	2.66	2.71	1.27
RUNOFF	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	2.057	1.968	2.312	2.868	4.206	1.177
	1.761	0.726	2.764	1.824	0.906	0.900
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.0052	0.0015	0.0343	0.0001	0.0000	0.0000
	0.0000	0.0000	0.0002	0.0095	0.0053	0.0123
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.7747	0.6180	1.2348	0.2218	0.1269	0.1170
	0.0738	0.0510	0.2075	0.5708	0.5605	0.7205
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.0964	0.4389	0.8165	0.9093	0.3648	0.1803
	0.1751	0.1508	0.1408	0.0895	0.4164	0.7207
PERCOLATION/LEAKAGE THROUGH LAYER 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 4	0.050	0.016	0.331	0.002	0.001	0.001
	0.001	0.001	0.002	0.092	0.054	0.120
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.064	0.020	0.321	0.001	0.001	0.000
	0.000	0.000	0.002	0.167	0.106	0.184
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.003	0.015	0.027	0.031	0.012	0.006
	0.006	0.005	0.005	0.003	0.014	0.024
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.002	0.014	0.020	0.014	0.002	0.000
	0.000	0.000	0.001	0.002	0.012	0.016

Case 5 (Continued)

ANNUAL TOTALS FOR YEAR 4

	INCHES	CU. FEET	PERCENT
PRECIPITATION	28.09	101964.478	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	23.469	85190.002	83.55
DRAINAGE COLLECTED FROM LAYER 3	0.0686	248.857	0.24
PERC./LEAKAGE THROUGH LAYER 4	5.277261	19156.038	18.79
AVG. HEAD ON TOP OF LAYER 4	0.0560		
DRAINAGE COLLECTED FROM LAYER 6	4.4994	16332.600	16.02
PERC./LEAKAGE THROUGH LAYER 8	0.000030	0.109	0.00
AVG. HEAD ON TOP OF LAYER 7	0.0125		
CHANGE IN WATER STORAGE	0.053	192.912	0.19
SOIL WATER AT START OF YEAR	697.191	2530746.418	
SOIL WATER AT END OF YEAR	697.244	2530939.330	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 5

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.42	2.70	1.93	2.42	3.77	2.00
	0.84	1.25	3.04	1.13	1.04	0.78
RUNOFF	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	2.056	2.093	2.326	3.020	3.641	1.319
	1.351	1.420	2.889	0.983	0.977	0.595
LATERAL DRAINAGE COLLECTED FROM LAYER 3	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 4	0.1540	0.1065	0.0687	0.0490	0.0379	0.0735
	0.0642	0.0476	0.0210	0.0519	0.0501	0.0417
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.4867	0.2329	0.1928	0.1639	0.1162	0.1098
	0.0642	0.0627	0.0613	0.0920	0.0575	0.0480
PERCOLATION/LEAKAGE THROUGH LAYER 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVG. DAILY HEAD ON	0.002	0.001	0.001	0.000	0.000	0.001
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Case 5 (Continued)

TOP OF LAYER 4	0.001	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.016	0.008	0.006	0.006	0.004	0.004
	0.002	0.002	0.002	0.003	0.002	0.002
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.004	0.001	0.001	0.000	0.001	0.001
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 5

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	22.32	81019.834	100.00	
RUNOFF	0.000	0.000	0.00	
EVAPOTRANSPIRATION	22.668	82282.843	101.56	
DRAINAGE COLLECTED FROM LAYER 3		0.0001	0.480	0.00
PERC./LEAKAGE THROUGH LAYER 4		0.766116	2780.942	3.43
AVG. HEAD ON TOP OF LAYER 4	0.0006			
DRAINAGE COLLECTED FROM LAYER 6		1.6880	6127.439	7.56
PERC./LEAKAGE THROUGH LAYER 8		0.000014	0.052	0.00
AVG. HEAD ON TOP OF LAYER 7	0.0047			
CHANGE IN WATER STORAGE		-2.036	-7390.978	-9.12
SOIL WATER AT START OF YEAR		697.244	2530939.330	
SOIL WATER AT END OF YEAR		695.208	2523548.352	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 6

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.84	3.09	4.52	0.95	5.99	3.95
	1.57	4.88	3.80	6.63	2.35	0.40
RUNOFF	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.171	0.000	0.000
EVAPOTRANSPIRATION	1.442	2.018	3.139	2.059	3.697	4.667
	1.575	3.906	3.862	2.136	1.425	1.001
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.0000	0.0228	0.0306	0.0085	0.0001	0.0390
	0.0028	0.0000	0.0122	0.0047	0.1220	0.0154
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.0205	1.0330	0.9502	0.7084	0.2283	1.1138
	0.3680	0.0781	0.7113	0.4006	2.3150	0.9965
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.0417	0.0603	0.9776	0.4349	0.7290	0.2619
	1.1520	0.3761	0.2218	0.5401	1.2956	1.7103

Case 5 (Continued)

PERCOLATION/LEAKAGE THROUGH 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
LAYER 8 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON 0.000 0.244 0.296 0.085 0.002 0.389
TOP OF LAYER 4 0.029 0.001 0.123 0.046 1.218 0.149

STD. DEVIATION OF DAILY 0.000 0.245 0.398 0.123 0.001 0.395
HEAD ON TOP OF LAYER 4 0.074 0.001 0.169 0.115 0.302 0.188

AVERAGE DAILY HEAD ON 0.001 0.002 0.032 0.015 0.024 0.009
TOP OF LAYER 7 0.038 0.012 0.008 0.018 0.044 0.056

STD. DEVIATION OF DAILY 0.000 0.001 0.023 0.010 0.006 0.006
HEAD ON TOP OF LAYER 7 0.014 0.003 0.005 0.002 0.039 0.018

ANNUAL TOTALS FOR YEAR 6

	INCHES	CU. FEET	PERCENT
PRECIPITATION	40.97	148717.858	100.00
RUNOFF	0.171	619.841	0.42
EVAPOTRANSPIRATION	30.927	112262.405	75.49
DRAINAGE COLLECTED FROM LAYER 3		0.2582	937.169 0.63
PERC./LEAKAGE THROUGH LAYER 4		8.923716	32392.385 21.78
AVG. HEAD ON TOP OF LAYER 4	0.2151		
DRAINAGE COLLECTED FROM LAYER 6		7.8013	28317.935 19.04
PERC./LEAKAGE THROUGH LAYER 8		0.000048	0.175 0.00
AVG. HEAD ON TOP OF LAYER 7	0.0215		
CHANGE IN WATER STORAGE	1.813	6580.336	4.42
SOIL WATER AT START OF YEAR	695.208	2523548.352	
SOIL WATER AT END OF YEAR	697.020	2530128.688	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 7

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.24 0.64	0.57 4.20	0.63 4.71	4.49 6.58	4.20 0.00	6.40 3.56
RUNOFF	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	1.121 1.036	0.622 4.194	1.157 3.786	2.875 3.523	4.601 1.079	4.100 1.385

Case 5 (Continued)

LATERAL DRAINAGE COLLECTED	0.0002	0.0001	0.0000	0.0000	0.0154	0.0001
FROM LAYER 3	0.0438	0.0285	0.0000	0.0002	0.0409	0.0456
PERCOLATION/LEAKAGE THROUGH	0.2730	0.1559	0.0957	0.0564	0.7068	0.1879
LAYER 4	1.0774	0.8931	0.0925	0.1924	1.1277	1.2658
LATERAL DRAINAGE COLLECTED	0.6526	0.3165	0.2497	0.1831	0.1483	0.3652
FROM LAYER 6	0.3073	1.4423	0.4735	0.2786	0.1135	1.6332
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	0.003	0.002	0.001	0.001	0.149	0.002
TOP OF LAYER 4	0.423	0.276	0.001	0.002	0.409	0.441
STD. DEVIATION OF DAILY	0.001	0.000	0.000	0.000	0.203	0.001
HEAD ON TOP OF LAYER 4	0.510	0.413	0.000	0.002	0.434	0.507
AVERAGE DAILY HEAD ON	0.021	0.011	0.008	0.006	0.005	0.012
TOP OF LAYER 7	0.010	0.047	0.016	0.009	0.004	0.054
STD. DEVIATION OF DAILY	0.005	0.002	0.001	0.001	0.003	0.006
HEAD ON TOP OF LAYER 7	0.005	0.022	0.004	0.002	0.004	0.023

ANNUAL TOTALS FOR YEAR 7

	INCHES	CU. FEET	PERCENT
PRECIPITATION	37.22	135105.655	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	29.479	107008.164	79.20
DRAINAGE COLLECTED FROM LAYER 3	0.1748	634.378	0.47
PERC./LEAKAGE THROUGH LAYER 4	6.124696	22232.163	16.46
AVG. HEAD ON TOP OF LAYER 4	0.1424		
DRAINAGE COLLECTED FROM LAYER 6	6.1637	22373.767	16.56
PERC./LEAKAGE THROUGH LAYER 8	0.000040	0.144	0.00
AVG. HEAD ON TOP OF LAYER 7	0.0170		
CHANGE IN WATER STORAGE	1.402	5089.204	3.77
SOIL WATER AT START OF YEAR	697.020	2530128.688	
SOIL WATER AT END OF YEAR	698.422	2535217.891	
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	-0.002	0.00

Case 5 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 8

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.45	4.17	0.68	2.95	7.17	2.71
	1.05	0.80	1.04	1.46	1.78	1.94
RUNOFF	0.000	0.000	0.000	0.000	0.419	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.419	1.397	1.966	1.521	4.471	2.220
	1.049	0.800	0.838	1.082	1.333	1.494
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.0029	0.0001	0.0347	0.0225	0.0068	0.1172
	0.0423	0.0000	0.0000	0.0000	0.0000	0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.7166	0.2285	0.9726	0.8138	0.5966	2.2640
	1.1742	0.1288	0.0705	0.0495	0.0363	0.0224
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.7794	0.5288	0.3160	1.2682	0.5209	1.4935
	1.9262	0.5679	0.2640	0.1820	0.1312	0.1030
PERCOLATION/LEAKAGE THROUGH LAYER 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 4	0.028	0.002	0.336	0.226	0.066	1.170
	0.409	0.001	0.001	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.053	0.001	0.425	0.340	0.122	0.281
	0.457	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.026	0.019	0.010	0.043	0.017	0.051
	0.063	0.019	0.009	0.006	0.004	0.003
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.010	0.004	0.006	0.020	0.008	0.038
	0.013	0.006	0.001	0.001	0.000	0.000

ANNUAL TOTALS FOR YEAR 8

	INCHES	CU. FEET	PERCENT
PRECIPITATION	26.20	95103.927	100.00
RUNOFF	0.419	1519.388	1.60
EVAPOTRANSPIRATION	19.590	71108.926	74.77
DRAINAGE COLLECTED FROM LAYER 3	0.2266	822.635	0.86
PERC./LEAKAGE THROUGH LAYER 4	7.073884	25677.639	27.00
AVG. HEAD ON TOP OF LAYER 4	0.1866		
DRAINAGE COLLECTED FROM LAYER 6	8.0811	29333.669	30.84
PERC./LEAKAGE THROUGH LAYER 8	0.000050	0.181	0.00
AVG. HEAD ON TOP OF LAYER 7	0.0225		
CHANGE IN WATER STORAGE	-2.116	-7680.871	-8.08
SOIL WATER AT START OF YEAR	698.422	2535217.891	

Case 5 (Continued)

SOIL WATER AT END OF YEAR	696.306	2527537.020	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 9

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.51	3.06	2.77	6.60	0.23	3.79
	0.13	7.61	2.81	3.80	0.40	2.03
RUNOFF	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	1.235	1.621	2.951	3.437	0.348	2.326
	0.506	4.434	3.510	3.651	0.540	1.067
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.0000	0.0001	0.0287	0.0001	0.0467	0.0847
	0.0360	0.0000	0.0318	0.0576	0.0000	0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.0621	0.1119	1.1242	0.1892	1.1433	1.7302
	1.2392	0.1527	0.8811	1.3763	0.1229	0.0715
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.1110	0.0529	0.1484	0.5776	0.2854	2.0477
	1.2693	0.7112	0.2942	1.5328	0.5917	0.2775
PERCOLATION/LEAKAGE THROUGH LAYER 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 4	0.001	0.001	0.277	0.002	0.451	0.845
	0.348	0.001	0.317	0.557	0.001	0.001
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.001	0.001	0.301	0.001	0.498	0.634
	0.350	0.000	0.416	0.583	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.004	0.002	0.005	0.020	0.009	0.069
	0.042	0.023	0.010	0.050	0.020	0.009
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.001	0.001	0.008	0.004	0.006	0.024
	0.021	0.009	0.004	0.029	0.007	0.001

ANNUAL TOTALS FOR YEAR 9

	INCHES	CU. FEET	PERCENT
PRECIPITATION	33.74	122473.531	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	25.626	93018.954	75.95
DRAINAGE COLLECTED FROM LAYER 3	0.2857	1036.951	0.85
PERC./LEAKAGE THROUGH LAYER 4	8.204708	29782.440	24.32
AVG. HEAD ON TOP OF LAYER 4	0.2336		

Case 5 (Continued)

DRAINAGE COLLECTED FROM LAYER 6	7.8997	28675.387	23.41
PERC./LEAKAGE THROUGH LAYER 8	0.000049	0.177	0.00
AVG. HEAD ON TOP OF LAYER 7	0.0219		
CHANGE IN WATER STORAGE	-0.071	-257.937	-0.21
SOIL WATER AT START OF YEAR	696.306	2527537.020	
SOIL WATER AT END OF YEAR	696.235	2527279.083	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 10

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.69	3.20	1.58	2.60	3.46	2.01
	2.79	1.18	8.51	0.14	2.97	1.29
RUNOFF	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	1.923	0.588	2.616	2.722	3.114	2.527
	2.729	1.238	5.501	0.656	0.902	0.983
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.0000	0.0000	0.0001	0.0189	0.0357	0.0000
	0.0000	0.0000	0.0001	0.0518	0.0206	0.0089
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.0429	0.0119	0.6704	1.0492	0.1307	0.0713
	0.0504	0.0380	0.1265	1.3162	0.7428	0.8096
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.1765	0.1302	0.1307	0.7211	0.5533	0.2618
	0.1808	0.1349	0.1146	0.0744	1.3018	0.6282
PERCOLATION/LEAKAGE THROUGH LAYER 8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 4	0.000	0.000	0.183	0.357	0.001	0.001
	0.000	0.000	0.001	0.500	0.206	0.086
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.000	0.000	0.278	0.436	0.000	0.000
	0.000	0.000	0.002	0.525	0.331	0.117
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.006	0.005	0.004	0.024	0.018	0.009
	0.006	0.004	0.004	0.002	0.044	0.021
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.001	0.001	0.001	0.022	0.006	0.001
	0.001	0.000	0.001	0.002	0.020	0.015

Case 5 (Continued)

ANNUAL TOTALS FOR YEAR 10

	INCHES	CU. FEET	PERCENT
PRECIPITATION	31.42	114052.114	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	25.499	92559.920	81.16
DRAINAGE COLLECTED FROM LAYER 3	0.1361	494.002	0.43
PERC./LEAKAGE THROUGH LAYER 4	5.059845	18366.838	16.10
AVG. HEAD ON TOP OF LAYER 4	0.1115		
DRAINAGE COLLECTED FROM LAYER 6	4.4084	16002.000	14.03
PERC./LEAKAGE THROUGH LAYER 8	0.000030	0.107	0.00
AVG. HEAD ON TOP OF LAYER 7	0.0123		
CHANGE IN WATER STORAGE	1.376	4996.086	4.38
SOIL WATER AT START OF YEAR	696.235	2527279.083	
SOIL WATER AT END OF YEAR	697.612	2532275.169	
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

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1 THROUGH 10

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

PRECIPITATION

TOTALS	1.20	3.21	1.78	2.90	3.88	2.89
	1.12	3.59	3.65	3.37	1.45	1.89
STD. DEVIATIONS	1.01	1.38	1.21	1.86	2.03	1.83
	0.83	2.73	2.47	2.42	1.05	1.13

RUNOFF

TOTALS	0.000	0.000	0.000	0.000	0.042	0.000
	0.000	0.000	0.000	0.017	0.000	0.000
STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.132	0.000
	0.000	0.000	0.000	0.054	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	1.338	1.542	2.266	2.399	3.179	2.559
	1.236	2.745	2.834	2.020	0.986	1.155
STD. DEVIATIONS	0.542	0.560	0.702	1.049	1.308	1.559
	0.751	1.572	1.491	1.086	0.344	0.372

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	0.0189	0.0029	0.0234	0.0142	0.0069	0.0271
	0.0179	0.0029	0.0081	0.0171	0.0331	0.0222
STD. DEVIATIONS	0.0388	0.0071	0.0180	0.0244	0.0148	0.0420
	0.0229	0.0090	0.0142	0.0246	0.0440	0.0426

Case 5 (Continued)

PERCOLATION/LEAKAGE THROUGH LAYER 4

TOTALS	0.6465	0.3057	0.7880	0.5262	0.3495	0.6930
	0.5557	0.1624	0.3224	0.5645	0.8355	0.6963
STD. DEVIATIONS	0.7282	0.3069	0.5143	0.5347	0.3570	0.7838
	0.5701	0.2602	0.3643	0.6124	0.8467	0.7753

LATERAL DRAINAGE COLLECTED FROM LAYER 6

TOTALS	0.6426	0.4107	0.4104	0.7433	0.4182	0.5569
	0.7013	0.4417	0.2141	0.4116	0.5851	0.8876
STD. DEVIATIONS	0.6984	0.3557	0.3056	0.5888	0.2471	0.6587
	0.6608	0.4189	0.1188	0.5095	0.6310	0.8608

PERCOLATION/LEAKAGE THROUGH LAYER 8

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 4

AVERAGES	0.1832	0.0314	0.2267	0.1421	0.0677	0.2710
	0.1735	0.0283	0.0809	0.1658	0.3310	0.2150
STD. DEVIATIONS	0.3742	0.0755	0.1740	0.2438	0.1431	0.4191
	0.2212	0.0870	0.1419	0.2371	0.4389	0.4117

DAILY AVERAGE HEAD ON TOP OF LAYER 7

AVERAGES	0.0211	0.0148	0.0134	0.0252	0.0137	0.0189
	0.0230	0.0145	0.0072	0.0135	0.0198	0.0291
STD. DEVIATIONS	0.0229	0.0129	0.0100	0.0199	0.0081	0.0223
	0.0217	0.0137	0.0040	0.0167	0.0214	0.0282

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1 THROUGH 10

	INCHES	CU. FEET	PERCENT
PRECIPITATION	30.92 (7.046)	112219.0	100.00
RUNOFF	0.059 (0.1373)	213.92	0.191
EVAPOTRANSPIRATION	24.260 (4.1391)	88062.79	78.474
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.19473 (0.13202)	706.851	0.62988
PERCOLATION/LEAKAGE THROUGH LAYER 4	6.44562 (3.07454)	23397.083	20.84948
AVERAGE HEAD ON TOP OF LAYER 4	0.160 (0.108)		
LATERAL DRAINAGE COLLECTED FROM LAYER 6	6.42353 (2.83832)	23316.914	20.77804
PERCOLATION/LEAKAGE THROUGH LAYER 8	0.00004 (0.00002)	0.147	0.00013
AVERAGE HEAD ON TOP	0.018 (0.008)		

Case 5 (Continued)

OF LAYER 7

CHANGE IN WATER STORAGE -0.022 (1.8683) -81.62 -0.073

PEAK DAILY VALUES FOR YEARS 1 THROUGH 10 and their dates (DDDDYY)			
	(INCHES)	(CU. FT.)	
PRECIPITATION	5.09	18476.29728	1290008
RUNOFF	0.419	1519.38840	1290008
DRAINAGE COLLECTED FROM LAYER 3		0.00579	21.01328 3270006
PERCOLATION/LEAKAGE THROUGH LAYER 4		0.095439	346.43585 3270006
AVERAGE HEAD ON TOP OF LAYER 4		1.734	
MAXIMUM HEAD ON TOP OF LAYER 4		3.101	
LOCATION OF MAXIMUM HEAD IN LAYER 3			
(DISTANCE FROM DRAIN)		25.8 FEET	
DRAINAGE COLLECTED FROM LAYER 6		0.09367	339.99839 3330006
PERCOLATION/LEAKAGE THROUGH LAYER 8		0.000001	0.00185 3330006
AVERAGE HEAD ON TOP OF LAYER 7		0.095	
MAXIMUM HEAD ON TOP OF LAYER 7		0.188	
LOCATION OF MAXIMUM HEAD IN LAYER 6			
(DISTANCE FROM DRAIN)		3.0 FEET	
SNOW WATER	1.95	7072.4948	3430003
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.4570	
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.0580	

*** 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 10		
LAYER	(INCHES)	(VOL/VOL)
1	2.2911	0.1909
2	676.2720	0.2920
3	2.2572	0.0941
4	0.4099	0.4270
5	4.9564	0.2151
6	0.0250	0.1295
7	0.0000	0.0000
8	11.4000	0.4750
SNOW WATER		0.000

Case 6

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**                                     **
**                                     **
**      HYDROLOGIC EVALUATION OF LANDFILL PERFORMANCE      **
**      HELP MODEL VERSION 3.07 (1 November 1997)          **
**      DEVELOPED BY ENVIRONMENTAL LABORATORY               **
**      USAE WATERWAYS EXPERIMENT STATION                  **
**      FOR USEPA RISK REDUCTION ENGINEERING LABORATORY     **
**                                     **
**                                     **
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PRECIPITATION DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\weather1.dat
TEMPERATURE DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\weather2.dat
SOLAR RADIATION DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\weather3.dat
EVAPOTRANSPIRATION DATA: C:\WHI\UNSAT22\data\P922.VHP\weather4.dat
SOIL AND DESIGN DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\386429.inp
OUTPUT DATA FILE: C:\WHI\UNSAT22\data\P922.VHP\O_386429.prt

TIME: 12:39 DATE: 6/12/2014

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*****
TITLE: Case 6
*****
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NOTE: INITIAL MOISTURE CONTENT OF THE LAYERS AND SNOW WATER WERE
COMPUTED AS NEARLY STEADY-STATE VALUES BY THE PROGRAM.

LAYER 1

TYPE 1 - VERTICAL PERCOLATION LAYER
MATERIAL TEXTURE NUMBER 130
THICKNESS = 60.96 CM
POROSITY = 0.4570 VOL/VOL
FIELD CAPACITY = 0.1310 VOL/VOL
WILTING POINT = 0.0580 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.2919 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000000000E-02 CM/SEC

LAYER 2

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 36
THICKNESS = 0.10 CM
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. = 0.400000000000E-12 CM/SEC
FML PINHOLE DENSITY = 1.24 HOLES/HECTARE
FML INSTALLATION DEFECTS = 2.47 HOLES/HECTARE
FML PLACEMENT QUALITY = 2 - EXCELLENT

LAYER 3

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 16
THICKNESS = 45.72 CM
POROSITY = 0.4270 VOL/VOL
FIELD CAPACITY = 0.4180 VOL/VOL
WILTING POINT = 0.3670 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.4270 VOL/VOL

Case 6 (Continued)

EFFECTIVE SAT. HYD. COND. = 0.100000000000E-06 CM/SEC

LAYER 4

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 130

THICKNESS = 30.48 CM
POROSITY = 0.4570 VOL/VOL
FIELD CAPACITY = 0.1310 VOL/VOL
WILTING POINT = 0.0580 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.1310 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000000000E-02 CM/SEC

LAYER 5

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 18

THICKNESS = 5882.64 CM
POROSITY = 0.6710 VOL/VOL
FIELD CAPACITY = 0.2920 VOL/VOL
WILTING POINT = 0.0770 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.2920 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000224000E-02 CM/SEC

LAYER 6

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 2

THICKNESS = 60.96 CM
POROSITY = 0.4370 VOL/VOL
FIELD CAPACITY = 0.0620 VOL/VOL
WILTING POINT = 0.0240 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0620 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.580000000000E-02 CM/SEC
SLOPE = 2.50 PERCENT
DRAINAGE LENGTH = 75.0 METERS

LAYER 7

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 16

THICKNESS = 2.44 CM
POROSITY = 0.4270 VOL/VOL
FIELD CAPACITY = 0.4180 VOL/VOL
WILTING POINT = 0.3670 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.4270 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000000000E-05 CM/SEC

LAYER 8

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 130

THICKNESS = 58.52 CM
POROSITY = 0.4570 VOL/VOL
FIELD CAPACITY = 0.1310 VOL/VOL
WILTING POINT = 0.0580 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.1310 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000000000E-02 CM/SEC

Case 6 (Continued)

LAYER 9

TYPE 2 - LATERAL DRAINAGE LAYER

MATERIAL TEXTURE NUMBER 226

THICKNESS = 0.48 CM
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. = 0.900000000000 CM/SEC
SLOPE = 2.50 PERCENT
DRAINAGE LENGTH = 75.0 METERS

LAYER 10

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 35

THICKNESS = 0.10 CM
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. = 0.200000000000E-12 CM/SEC
FML PINHOLE DENSITY = 1.24 HOLES/HECTARE
FML INSTALLATION DEFECTS = 2.47 HOLES/HECTARE
FML PLACEMENT QUALITY = 2 - EXCELLENT

LAYER 11

TYPE 3 - BARRIER SOIL LINER

MATERIAL TEXTURE NUMBER 15

THICKNESS = 99.90 CM
POROSITY = 0.4750 VOL/VOL
FIELD CAPACITY = 0.3780 VOL/VOL
WILTING POINT = 0.2650 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.4750 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.100000000000E-06 CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT
SOIL DATA BASE USING SOIL TEXTURE #** WITH A
GOOD STAND OF GRASS, A SURFACE SLOPE OF 0.0%
AND A SLOPE LENGTH OF 0. METERS.

SCS RUNOFF CURVE NUMBER = 0.00
FRACTION OF AREA ALLOWING RUNOFF = 100.0 PERCENT
AREA PROJECTED ON HORIZONTAL PLANE = 0.4047 HECTARES
EVAPORATIVE ZONE DEPTH = 25.4 CM
INITIAL WATER IN EVAPORATIVE ZONE = 3.641 CM
UPPER LIMIT OF EVAPORATIVE STORAGE = 11.608 CM
LOWER LIMIT OF EVAPORATIVE STORAGE = 1.473 CM
INITIAL SNOW WATER = 0.000 CM
INITIAL WATER IN LAYER MATERIALS = 1818.984 CM
TOTAL INITIAL WATER = 1818.984 CM
TOTAL SUBSURFACE INFLOW = 0.00 MM/YR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM
Austin TX

STATION LATITUDE = 30.31 DEGREES

Case 6 (Continued)

MAXIMUM LEAF AREA INDEX = 4.50
 START OF GROWING SEASON (JULIAN DATE) = 44
 END OF GROWING SEASON (JULIAN DATE) = 346
 EVAPORATIVE ZONE DEPTH = 10.0 INCHES
 AVERAGE ANNUAL WIND SPEED = 9.30 MPH
 AVERAGE 1ST QUARTER RELATIVE HUMIDITY = 66.00 %
 AVERAGE 2ND QUARTER RELATIVE HUMIDITY = 70.00 %
 AVERAGE 3RD QUARTER RELATIVE HUMIDITY = 66.00 %
 AVERAGE 4TH QUARTER RELATIVE HUMIDITY = 67.00 %

NOTE: PRECIPITATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR Austin TX

NORMAL MEAN MONTHLY PRECIPITATION (INCHES)

JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
1.60	2.49	1.68	3.11	4.19	3.06
1.89	2.24	3.60	3.38	2.20	2.06

NOTE: TEMPERATURE DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR Austin TX

NORMAL MEAN MONTHLY TEMPERATURE (DEGREES FAHRENHEIT)

JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
49.10	53.20	60.50	68.70	74.90	81.60
84.70	84.50	79.20	69.80	58.70	52.10

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR Austin TX
 AND STATION LATITUDE = 29.88 DEGREES

MONTHLY TOTALS (IN INCHES) FOR YEAR 1

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.65	2.56	0.82	0.03	1.74	0.00
	0.45	4.41	2.37	5.47	0.62	3.40
RUNOFF	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.414
EVAPOTRANSPIRATION	0.771	1.435	2.192	0.029	1.736	0.003
	0.448	4.071	2.208	2.550	1.339	1.946
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Case 6 (Continued)

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	11.634	11.805	12.584	12.956	12.958	12.958
	12.958	13.212	14.000	17.010	19.407	22.072
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.078	0.037	0.307	0.001	0.001	0.000
	0.000	0.408	0.000	2.814	0.500	1.690
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 1

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	22.52	81745.818	100.00	
RUNOFF	0.414	1503.758	1.84	
EVAPOTRANSPIRATION	18.728	67981.221	83.16	
PERC./LEAKAGE THROUGH LAYER 3	0.002416	8.770	0.01	
AVG. HEAD ON TOP OF LAYER 2	14.4627			
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00	
PERC./LEAKAGE THROUGH LAYER 7	0.002303	8.358	0.01	
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9	0.0023	8.342	0.01	
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00	
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	3.375	12252.490	14.99	
SOIL WATER AT START OF YEAR	716.135	2599515.153		
SOIL WATER AT END OF YEAR	719.511	2611767.643		
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	-0.001	0.00	

MONTHLY TOTALS (IN INCHES) FOR YEAR 2

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.00	6.11	2.35	3.42	3.62	2.33

Case 6 (Continued)

	0.26	8.15	6.72	4.76	2.03	1.05	
RUNOFF	0.000	2.969	0.264	0.000	0.000	0.000	
	0.000	0.992	1.144	1.950	0.178	0.468	
EVAPOTRANSPIRATION	0.659	2.107	2.955	5.008	4.795	2.474	
	0.227	4.268	5.000	3.178	1.058	0.937	
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	
	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	
	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	
	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	21.274	23.010	22.353	19.809	14.583	14.000
	13.999	16.289	17.577	21.480	21.114	23.444
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.483	0.993	0.724	1.137	0.768	0.000
	0.000	3.807	3.548	1.486	0.927	0.379
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 2

	INCHES	CU. FEET	PERCENT
PRECIPITATION	40.80	148100.772	100.00
RUNOFF	7.965	28910.744	19.52
EVAPOTRANSPIRATION	32.667	118578.280	80.07
PERC./LEAKAGE THROUGH LAYER 3	0.003195	11.599	0.01
AVG. HEAD ON TOP OF LAYER 2	19.0776		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.003025	10.981	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0030	10.970	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00

Case 6 (Continued)

AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	0.166	600.772	0.41
SOIL WATER AT START OF YEAR	719.511	2611767.643	
SOIL WATER AT END OF YEAR	719.676	2612368.415	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 3

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PRECIPITATION	1.68	2.44	0.38	1.03	0.61	3.14						
RUNOFF	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	1.681	2.440	0.380	1.030	0.354	0.927						
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	21.491	22.092	21.327	17.683	15.317	17.164
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.487	1.186	0.351	2.693	2.972	2.783
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

Case 6 (Continued)

ANNUAL TOTALS FOR YEAR 3

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	25.87	93906.053	100.00	
RUNOFF	1.926	6991.783	7.45	
EVAPOTRANSPIRATION	25.040	90892.439	96.79	
PERC./LEAKAGE THROUGH LAYER 3		0.002794	10.142	0.01
AVG. HEAD ON TOP OF LAYER 2	16.7393			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.003078	11.171	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0031	11.151	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	-1.099	-3989.327	-4.25	
SOIL WATER AT START OF YEAR	719.676	2612368.415		
SOIL WATER AT END OF YEAR	718.577	2608379.088		
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	-0.001	0.00	

MONTHLY TOTALS (IN INCHES) FOR YEAR 4

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC	
PRECIPITATION	2.85	3.06	1.65	3.84	3.05	1.18	
	1.76	0.97	3.09	2.66	2.71	1.27	
RUNOFF	0.000	0.865	0.000	0.000	0.000	0.000	
	0.000	0.000	0.000	0.000	0.000	0.000	
EVAPOTRANSPIRATION	1.929	1.972	2.305	5.056	4.791	1.177	
	1.762	0.731	3.323	2.450	0.987	0.956	
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0002	
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

Case 6 (Continued)

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	19.970	21.862	21.852	18.433	14.747	13.999
	14.000	13.999	14.594	15.478	16.343	17.704
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	1.505	1.054	0.729	2.139	0.960	0.000
	0.000	0.000	0.777	1.024	1.667	0.126
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 4

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	28.09	101964.478	100.00	
RUNOFF	0.865	3139.740	3.08	
EVAPOTRANSPIRATION	27.439	99602.087	97.68	
PERC./LEAKAGE THROUGH LAYER 3		0.002834	10.288	0.01
AVG. HEAD ON TOP OF LAYER 2	16.9150			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.002834	10.288	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0028	10.283	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	-0.217	-787.640	-0.77	
SOIL WATER AT START OF YEAR	718.577	2608379.088		
SOIL WATER AT END OF YEAR	718.360	2607591.448		
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	

Case 6 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 5

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.42	2.70	1.93	2.42	3.77	2.00
	0.84	1.25	3.04	1.13	1.04	0.78
RUNOFF	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	1.949	2.052	2.392	4.319	3.779	1.320
	1.353	1.417	3.040	1.014	0.936	0.803
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	17.912	18.176	17.849	16.030	14.050	13.999
	14.000	14.000	14.089	14.000	14.000	14.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.217	0.438	0.391	1.434	0.144	0.000
	0.000	0.000	0.183	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 5

	INCHES	CU. FEET	PERCENT
PRECIPITATION	22.32	81019.834	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	24.374	88476.289	109.20
PERC./LEAKAGE THROUGH LAYER 3	0.002529	9.181	0.01
AVG. HEAD ON TOP OF LAYER 2	15.1754		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00

Case 6 (Continued)

PERC./LEAKAGE THROUGH LAYER 7	0.002528	9.176	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0025	9.181	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-2.057	-7465.644	-9.21
SOIL WATER AT START OF YEAR	718.360	2607591.448	
SOIL WATER AT END OF YEAR	716.304	2600125.804	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 6

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.84 1.57	3.09 4.88	4.52 3.80	0.95 6.63	5.99 2.35	3.95 0.40
RUNOFF	0.000 0.000	0.000 0.000	0.687 0.000	0.000 0.861	0.000 0.527	0.000 0.089
EVAPOTRANSPIRATION	1.320 1.580	2.031 4.298	3.119 4.381	4.437 2.279	3.699 1.368	6.231 0.847
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002	0.0002 0.0003	0.0002 0.0003	0.0002 0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002	0.0002 0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002	0.0002 0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	15.617 13.999	21.177 14.905	21.583 14.037	16.780 20.505	15.748 23.044	15.815 23.447
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	1.646 0.000	1.187 1.175	1.291 0.164	3.003 3.086	2.408 0.860	2.074 0.477
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000

Case 6 (Continued)

AVERAGE DAILY HEAD ON TOP OF LAYER 10 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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000

ANNUAL TOTALS FOR YEAR 6

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	40.97	148717.858	100.00	
RUNOFF	2.164	7854.705	5.28	
EVAPOTRANSPIRATION	35.590	129187.855	86.87	
PERC./LEAKAGE THROUGH LAYER 3		0.003021	10.967	0.01
AVG. HEAD ON TOP OF LAYER 2	18.0547			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.002715	9.855	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0027	9.835	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	3.214	11665.456	7.84	
SOIL WATER AT START OF YEAR	716.304	2600125.804		
SOIL WATER AT END OF YEAR	719.517	2611791.260		
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	

MONTHLY TOTALS (IN INCHES) FOR YEAR 7

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.24 0.64	0.57 4.20	0.63 4.71	4.49 6.58	4.20 0.00	6.40 3.56
RUNOFF	0.000 0.000	0.000 0.000	0.000 0.090	0.000 0.000	0.000 0.000	0.000 1.355
EVAPOTRANSPIRATION	1.265 3.101	0.644 4.201	1.711 3.839	5.149 1.027	5.586 1.193	4.120
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002	0.0003 0.0003	0.0002 0.0003	0.0002 0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002 0.0003	0.0002 0.0003	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002

Case 6 (Continued)

LATERAL DRAINAGE COLLECTED	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
FROM LAYER 9	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	21.949	21.792	21.041	17.140	14.743	15.206
TOP OF LAYER 2	14.834	14.000	14.022	17.705	22.383	23.359
STD. DEVIATION OF DAILY	0.150	0.162	0.892	2.028	0.993	2.711
HEAD ON TOP OF LAYER 2	1.637	0.000	0.071	3.987	0.806	0.768
AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	0.000
HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	0.000
HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 7

	INCHES	CU. FEET	PERCENT
PRECIPITATION	37.22	135105.655	100.00
RUNOFF	1.445	5244.346	3.88
EVAPOTRANSPIRATION	35.228	127876.210	94.65
PERC./LEAKAGE THROUGH LAYER 3	0.003043	11.045	0.01
AVG. HEAD ON TOP OF LAYER 2	18.1811		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.003089	11.212	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0031	11.208	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	0.544	1973.883	1.46
SOIL WATER AT START OF YEAR	719.517	2611791.260	
SOIL WATER AT END OF YEAR	720.061	2613765.143	
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

Case 6 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 8

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.45	4.17	0.68	2.95	7.17	2.71
	1.05	0.80	1.04	1.46	1.78	1.94
RUNOFF	0.000	1.858	0.015	0.000	1.431	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.384	1.381	2.438	3.736	7.036	2.801
	1.050	0.800	0.852	0.919	1.071	1.282
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0003	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.331	21.949	21.545	15.510	18.288	14.323
	13.999	14.000	13.999	13.999	14.015	16.076
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.687	1.136	1.096	1.754	2.662	0.621
	0.000	0.000	0.000	0.000	0.086	1.112
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 8

	INCHES	CU. FEET	PERCENT
PRECIPITATION	26.20	95103.927	100.00
RUNOFF	3.305	11997.903	12.62
EVAPOTRANSPIRATION	24.750	89839.030	94.46
PERC./LEAKAGE THROUGH LAYER 3	0.002795	10.144	0.01
AVG. HEAD ON TOP OF LAYER 2	16.6695		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00

Case 6 (Continued)

PERC./LEAKAGE THROUGH LAYER 7	0.003056	11.094	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0031	11.073	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-1.858	-6744.086	-7.09
SOIL WATER AT START OF YEAR	720.061	2613765.143	
SOIL WATER AT END OF YEAR	718.203	2607021.058	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 9

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.51 0.13	3.06 7.61	2.77 2.81	6.60 3.80	0.23 0.40	3.79 2.03
RUNOFF	0.000 0.000	0.000 0.000	0.000 0.000	1.059 0.000	0.000 0.000	0.000 0.000
EVAPOTRANSPIRATION	1.267 0.497	1.425 4.439	3.015 5.960	5.559 3.518	2.805 0.702	3.557 0.810
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002	0.0002 0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0003 0.0002	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0003 0.0002	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	17.602 14.000	19.827 15.284	21.605 16.420	18.960 14.000	15.193 13.999	15.126 14.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.202 0.000	2.229 3.119	0.943 2.741	2.693 0.000	2.009 0.000	1.730 0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000

Case 6 (Continued)

AVERAGE DAILY HEAD ON TOP OF LAYER 10 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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000

ANNUAL TOTALS FOR YEAR 9

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	33.74	122473.531	100.00	
RUNOFF	1.059	3844.064	3.14	
EVAPOTRANSPIRATION	33.553	121796.273	99.45	
PERC./LEAKAGE THROUGH LAYER 3		0.002726	9.895	0.01
AVG. HEAD ON TOP OF LAYER 2	16.3347			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.002726	9.895	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0027	9.895	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	-0.875	-3176.708	-2.59	
SOIL WATER AT START OF YEAR	718.203	2607021.058		
SOIL WATER AT END OF YEAR	717.328	2603844.349		
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	

MONTHLY TOTALS (IN INCHES) FOR YEAR 10

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.69 2.79	3.20 1.18	1.58 8.51	2.60 0.14	3.46 2.97	2.01 1.29
RUNOFF	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	1.786 2.734	0.638 1.236	2.804 5.759	4.890 1.024	3.118 0.887	2.523
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0002 0.0003	0.0002 0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0003 0.0003	0.0002 0.0002	0.0002 0.0003

Case 6 (Continued)

LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0003	0.0002	0.0003
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	15.188	15.844	20.906	15.684	14.000	13.999
	14.000	14.000	17.203	17.563	17.536	20.218
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.715	0.187	0.947	2.037	0.000	0.000
	0.000	0.000	2.983	1.305	2.058	0.586
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 10

	INCHES	CU. FEET	PERCENT
PRECIPITATION	31.42	114052.114	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	29.430	106828.475	93.67
PERC./LEAKAGE THROUGH LAYER 3	0.002733	9.920	0.01
AVG. HEAD ON TOP OF LAYER 2	16.3449		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002687	9.752	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0027	9.744	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	1.987	7213.888	6.33
SOIL WATER AT START OF YEAR	717.328	2603844.349	
SOIL WATER AT END OF YEAR	719.315	2611058.237	
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

Case 6 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 11

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.69 2.10	1.89 3.79	2.95 3.06	4.16 3.14	1.97 0.70	3.80 3.90
RUNOFF	0.000 0.000	0.000 0.000	0.120 0.000	0.000 0.000	0.000 0.000	0.000 0.000
EVAPOTRANSPIRATION	1.183 4.186	1.586 3.894	3.050 2.786	6.399 2.236	2.527 0.842	1.610 0.992
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002	0.0002 0.0002	0.0002 0.0002	0.0002 0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0002 0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	20.474 15.474	20.504 14.062	21.234 14.492	17.326 15.372	14.040 15.903	14.209 18.010
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.569 1.828	0.568 0.142	1.497 0.678	1.158 1.428	0.167 0.341	0.813 1.789
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000

ANNUAL TOTALS FOR YEAR 11

	INCHES	CU. FEET	PERCENT
PRECIPITATION	32.15	116701.956	100.00
RUNOFF	0.120	434.021	0.37
EVAPOTRANSPIRATION	31.291	113584.330	97.33
PERC./LEAKAGE THROUGH LAYER 3	0.002799	10.161	0.01
AVG. HEAD ON TOP OF LAYER 2	16.7582		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00

Case 6 (Continued)

PERC./LEAKAGE THROUGH LAYER 7	0.002837	10.298	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0028	10.286	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	0.736	2673.311	2.29
SOIL WATER AT START OF YEAR	719.315	2611058.237	
SOIL WATER AT END OF YEAR	720.052	2613731.548	
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

0.067	0.1136	13.9997	0.000	.6391E-05	0.0000	.2673E-11	.6391E-05	0.0000	.6404E-05	.6804E-08
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MONTHLY TOTALS (IN INCHES) FOR YEAR 12

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.39	1.56	2.18	4.56	5.35	9.42
	3.20	1.34	1.45	2.27	3.35	1.80
RUNOFF	0.000	0.000	0.000	0.825	0.000	1.963
	1.118	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.167	1.340	2.860	5.471	5.322	4.822
	5.716	1.340	1.172	1.991	1.270	1.003
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.195	21.902	21.885	19.308	14.429	14.540
	16.993	14.000	14.000	14.000	17.993	21.231
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.750	0.439	0.700	2.152	0.483	2.000
	3.327	0.000	0.000	0.000	2.676	1.687
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

Case 6 (Continued)

STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 12

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	36.87	133835.183	100.00	
RUNOFF	3.905	14174.956	10.59	
EVAPOTRANSPIRATION		33.473	121503.744	90.79
PERC./LEAKAGE THROUGH LAYER 3		0.002971	10.785	0.01
AVG. HEAD ON TOP OF LAYER 2		17.7062		
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.002901	10.529	0.01
AVG. HEAD ON TOP OF LAYER 7		0.0000		
DRAINAGE COLLECTED FROM LAYER 9		0.0029	10.519	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10		0.0000		
CHANGE IN WATER STORAGE		-0.511	-1854.043	-1.39
SOIL WATER AT START OF YEAR		720.052	2613731.548	
SOIL WATER AT END OF YEAR		719.541	2611877.505	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 13

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.47	1.76	1.54	1.39	4.57	6.70
	1.53	0.07	2.18	2.65	1.55	0.52
RUNOFF	0.201	0.456	0.000	0.000	0.000	0.073
	0.000	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.712	1.810	1.650	4.763	3.841	7.332
	1.553	0.070	2.091	1.253	0.819	1.144
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Case 6 (Continued)

PERCOLATION/LEAKAGE THROUGH LAYER 7 0.0002 0.0002 0.0002 0.0003 0.0003 0.0003
 0.0003 0.0002 0.0002 0.0002 0.0002 0.0003
 LATERAL DRAINAGE COLLECTED FROM LAYER 9 0.0002 0.0002 0.0002 0.0003 0.0003 0.0003
 0.0003 0.0002 0.0002 0.0002 0.0002 0.0002
 PERCOLATION/LEAKAGE THROUGH LAYER 11 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000
 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2 22.668 22.870 20.994 16.876 14.000 16.847
 14.000 14.000 13.999 15.234 16.633 17.605
 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2 0.814 0.744 0.516 2.489 0.000 3.506
 0.000 0.000 0.000 1.329 0.271 0.202
 AVERAGE DAILY HEAD ON TOP OF LAYER 7 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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7 0.000 0.000 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000 0.000 0.000
 AVERAGE DAILY HEAD ON TOP OF LAYER 10 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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10 0.000 0.000 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000 0.000 0.000

ANNUAL TOTALS FOR YEAR 13

	INCHES	CU. FEET	PERCENT
PRECIPITATION	26.93	97753.769	100.00
RUNOFF	0.729	2647.927	2.71
EVAPOTRANSPIRATION	28.038	101776.519	104.12
PERC./LEAKAGE THROUGH LAYER 3	0.002862	10.390	0.01
AVG. HEAD ON TOP OF LAYER 2	17.1437		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002942	10.678	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0029	10.662	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-1.841	-6681.347	-6.83
SOIL WATER AT START OF YEAR	719.541	2611877.505	
SOIL WATER AT END OF YEAR	717.701	2605196.158	
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	-0.001	0.00

Case 6 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 14

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.89	2.96	0.73	2.65	3.30	2.95
	0.00	1.87	0.82	2.84	3.36	1.96
RUNOFF	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.711
EVAPOTRANSPIRATION	1.226	0.886	2.102	4.585	2.302	2.695
	1.276	1.870	0.820	1.277	1.359	1.326
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0003	0.0003	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0003	0.0003	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	17.224	16.927	19.711	17.033	14.037	14.293
	14.208	14.000	13.999	14.008	15.925	22.727
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.106	0.323	0.781	2.219	0.144	0.683
	0.584	0.000	0.000	0.048	1.914	0.602
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 14

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.33	88315.975	100.00
RUNOFF	0.711	2580.853	2.92
EVAPOTRANSPIRATION	21.722	78849.443	89.28
PERC./LEAKAGE THROUGH LAYER 3	0.002703	9.813	0.01
AVG. HEAD ON TOP OF LAYER 2	16.1743		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00

Case 6 (Continued)

PERC./LEAKAGE THROUGH LAYER 7	0.002589	9.397	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0026	9.395	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	1.894	6876.278	7.79
SOIL WATER AT START OF YEAR	717.701	2605196.158	
SOIL WATER AT END OF YEAR	719.595	2612072.436	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 15

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.79 3.64	2.22 0.11	0.83 4.65	4.07 0.17	8.34 1.38	2.21 5.66
RUNOFF	0.000 0.000	0.158 0.000	0.000 0.034	0.000 0.000	0.000 2.949	0.000 0.000
EVAPOTRANSPIRATION	1.207 3.668	1.869 0.110	1.322 1.651	6.069 1.634	6.252 0.578	5.039 1.150
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002	0.0003 0.0003	0.0002 0.0002	0.0002 0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002 0.0003	0.0002 0.0002	0.0002 0.0003	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002 0.0003	0.0002 0.0002	0.0002 0.0002	0.0003 0.0003	0.0003 0.0003	0.0003 0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000	0.0000 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.125 14.512	22.378 13.999	21.599 15.957	16.717 18.577	14.820 17.284	15.084 22.602
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.480 0.849	0.839 0.000	0.416 3.614	2.816 1.075	1.303 0.025	1.746 1.781
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000	0.000 0.000

Case 6 (Continued)

AVERAGE DAILY HEAD ON TOP OF LAYER 10 0.000 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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000

ANNUAL TOTALS FOR YEAR 15

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	34.07	123671.404	100.00	
RUNOFF	3.141	11402.261	9.22	
EVAPOTRANSPIRATION	30.548	110887.747	89.66	
PERC./LEAKAGE THROUGH LAYER 3		0.003007	10.914	0.01
AVG. HEAD ON TOP OF LAYER 2	17.9714			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.003014	10.939	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0030	10.940	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	0.378	1370.449	1.11	
SOIL WATER AT START OF YEAR	719.595	2612072.436		
SOIL WATER AT END OF YEAR	719.972	2613442.885		
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	

MONTHLY TOTALS (IN INCHES) FOR YEAR 16

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.50 2.01 1.02 1.85 0.81 1.45 2.57 1.68 3.46 3.02 1.80 3.03					
RUNOFF	0.000 0.746 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000					
EVAPOTRANSPIRATION	1.188 1.285 1.740 4.283 0.810 1.402 2.618 1.680 3.004 3.234 1.208 1.483					
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003 0.0003 0.0003 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002					
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002 0.0002 0.0002 0.0003 0.0003 0.0003 0.0002 0.0002 0.0002 0.0002 0.0002 0.0002					

Case 6 (Continued)

LATERAL DRAINAGE COLLECTED	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
FROM LAYER 9	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	22.195	21.976	21.079	15.702	14.000	14.000
TOP OF LAYER 2	14.279	14.000	14.380	14.942	14.017	16.214
STD. DEVIATION OF DAILY	0.679	0.779	0.408	2.244	0.000	0.000
HEAD ON TOP OF LAYER 2	0.584	0.000	0.595	0.435	0.052	1.637
AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	0.000
HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	0.000
HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 16

	INCHES	CU. FEET	PERCENT
PRECIPITATION	23.20	84214.164	100.00
RUNOFF	0.746	2708.580	3.22
EVAPOTRANSPIRATION	23.935	86880.613	103.17
PERC./LEAKAGE THROUGH LAYER 3	0.002747	9.973	0.01
AVG. HEAD ON TOP OF LAYER 2	16.3987		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002855	10.364	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0028	10.337	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-1.484	-5385.374	-6.39
SOIL WATER AT START OF YEAR	719.972	2613442.885	
SOIL WATER AT END OF YEAR	718.489	2608057.512	
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	-0.001	0.00

Case 6 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 17

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.54	2.81	0.67	2.06	4.74	0.08
	4.57	4.38	0.27	0.15	3.89	0.70
RUNOFF	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	1.480	2.589	1.556	3.026	5.548	0.080
	3.268	5.681	0.269	0.134	0.703	1.177
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	18.956	20.080	19.373	14.892	16.459	14.000
	14.198	14.313	13.999	14.000	18.870	21.513
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.315	0.771	0.376	1.408	2.820	0.000
	0.504	0.688	0.000	0.000	4.062	0.450
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 17

	INCHES	CU. FEET	PERCENT
PRECIPITATION	25.86	93869.754	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	25.511	92602.294	98.65
PERC./LEAKAGE THROUGH LAYER 3	0.002794	10.141	0.01
AVG. HEAD ON TOP OF LAYER 2	16.7211		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00

Case 6 (Continued)

PERC./LEAKAGE THROUGH LAYER 7	0.002667	9.681	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0027	9.681	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	0.347	1257.771	1.34
SOIL WATER AT START OF YEAR	718.489	2608057.512	
SOIL WATER AT END OF YEAR	718.835	2609315.283	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 18

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.45	6.39	1.46	2.44	1.58	3.26
	6.60	1.37	4.62	0.76	1.92	1.20
RUNOFF	0.000	3.439	0.000	0.000	0.000	0.000
	0.105	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	0.519	1.618	2.947	4.864	1.659	3.260
	6.493	1.370	3.632	1.637	1.135	1.021
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0003	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0003	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	20.200	22.811	21.817	17.166	14.000	14.348
	16.091	14.000	15.124	14.237	14.041	14.500
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.231	1.225	0.880	1.776	0.000	0.540
	2.579	0.000	1.748	0.525	0.108	0.076
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

Case 6 (Continued)

AVERAGE DAILY HEAD ON TOP OF LAYER 10 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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000

ANNUAL TOTALS FOR YEAR 18

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	32.05	116338.964	100.00	
RUNOFF	3.544	12864.561	11.06	
EVAPOTRANSPIRATION	30.154	109457.822	94.09	
PERC./LEAKAGE THROUGH LAYER 3		0.002757	10.009	0.01
AVG. HEAD ON TOP OF LAYER 2	16.5279			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.002882	10.463	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0029	10.459	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	-1.651	-5993.885	-5.15	
SOIL WATER AT START OF YEAR	718.835	2609315.283		
SOIL WATER AT END OF YEAR	717.184	2603321.398		
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	

MONTHLY TOTALS (IN INCHES) FOR YEAR 19

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.83 2.03	3.34 2.25	1.75 1.40	1.47 0.66	2.04 2.57	0.58 0.01
RUNOFF	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	1.338 2.014	2.122 2.268	1.918 1.394	2.934 0.663	2.193 0.839	0.578 0.803
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0002 0.0002	0.0002 0.0002	0.0002 0.0002

Case 6 (Continued)

LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0003	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	14.567	16.647	17.919	15.154	14.000	13.999	14.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.028	1.119	0.492	1.353	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 19

	INCHES	CU. FEET	PERCENT		
PRECIPITATION	18.93	68714.402	100.00		
RUNOFF	0.000	0.000	0.00		
EVAPOTRANSPIRATION	19.063	69198.730	100.70		
PERC./LEAKAGE THROUGH LAYER 3		0.002494	9.054	0.01	
AVG. HEAD ON TOP OF LAYER 2	14.9607				
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00	
PERC./LEAKAGE THROUGH LAYER 7		0.002496	9.060	0.01	
AVG. HEAD ON TOP OF LAYER 7	0.0000				
DRAINAGE COLLECTED FROM LAYER 9		0.0025	9.043	0.01	
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00	
AVG. HEAD ON TOP OF LAYER 10	0.0000				
CHANGE IN WATER STORAGE	-0.136	-493.378	-0.72		
SOIL WATER AT START OF YEAR	717.184	2603321.398			
SOIL WATER AT END OF YEAR	717.048	2602828.019			
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	-0.001	0.00		

Case 6 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 20

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.68	0.42	1.80	3.35	4.36	1.32
	0.56	1.46	6.19	2.35	1.02	1.69
RUNOFF	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	1.429	0.538	1.511	4.707	4.364	1.320
	0.560	1.441	4.326	3.016	1.127	1.491
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0003	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	15.799	15.597	15.944	15.583	14.080	13.999
	14.000	14.000	16.443	16.462	15.024	14.934
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.149	0.014	0.687	1.146	0.194	0.000
	0.000	0.000	3.209	0.795	0.071	0.054
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 20

	INCHES	CU. FEET	PERCENT
PRECIPITATION	26.20	95103.927	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	25.831	93763.578	98.59
PERC./LEAKAGE THROUGH LAYER 3	0.002535	9.202	0.01

Case 6 (Continued)

AVG. HEAD ON TOP OF LAYER 2	15.1554		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002533	9.196	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0025	9.195	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	0.367	1331.147	1.40
SOIL WATER AT START OF YEAR	717.048	2602828.019	
SOIL WATER AT END OF YEAR	717.415	2604159.166	
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	-0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 21

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.29	0.99	2.08	8.53	5.62	0.70
	3.46	3.30	4.64	3.35	0.85	3.51
RUNOFF	0.000	0.000	0.000	1.082	1.743	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.648	1.228	2.419	5.325	5.938	1.124
	2.596	4.170	3.886	2.884	0.921	1.019
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002	0.0002	0.0002	0.0003	0.0003	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0002	0.0003	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	15.193	15.468	15.385	19.962	18.020	14.000
	14.675	14.339	14.167	17.272	16.340	21.174
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.039	0.189	0.214	3.730	3.296	0.000
	1.459	0.501	0.380	1.198	0.232	2.015
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

Case 6 (Continued)

STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 21

	INCHES	CU. FEET	PERCENT
PRECIPITATION	38.32	139098.568	100.00
RUNOFF	2.825	10255.903	7.37
EVAPOTRANSPIRATION	33.160	120369.220	86.54
PERC./LEAKAGE THROUGH LAYER 3	0.002731	9.915	0.01
AVG. HEAD ON TOP OF LAYER 2	16.3329		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002659	9.653	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0027	9.637	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	2.332	8463.801	6.08
SOIL WATER AT START OF YEAR	717.415	2604159.166	
SOIL WATER AT END OF YEAR	719.747	2612622.967	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 22

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.31	1.42	0.65	2.58	1.28	0.00
RUNOFF	0.066	0.032	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.756	1.363	1.258	5.120	1.281	0.000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Case 6 (Continued)

PERCOLATION/LEAKAGE THROUGH LAYER 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.527	22.169	20.556	18.688	14.000	13.999
	13.999	14.000	14.303	15.221	14.000	13.999
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.603	0.670	0.738	3.362	0.000	0.000
	0.001	0.000	0.817	1.175	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 22

	INCHES	CU. FEET	PERCENT
PRECIPITATION	18.12	65774.166	100.00
RUNOFF	0.098	354.770	0.54
EVAPOTRANSPIRATION	21.626	78500.930	119.35
PERC./LEAKAGE THROUGH LAYER 3	0.002746	9.966	0.02
AVG. HEAD ON TOP OF LAYER 2	16.4550		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002818	10.229	0.02
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0028	10.231	0.02
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-3.607	-13091.773	-19.90
SOIL WATER AT START OF YEAR	719.747	2612622.967	
SOIL WATER AT END OF YEAR	716.140	2599531.195	
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	-0.001	0.00

Case 6 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 23

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.22	3.41	2.97	5.31	7.63	3.88
	5.01	0.00	1.28	0.85	5.34	2.15
RUNOFF	0.000	0.000	0.000	0.000	0.304	0.330
	0.000	0.000	0.000	0.000	0.437	1.172
EVAPOTRANSPIRATION	0.608	1.746	3.231	5.383	6.115	6.733
	5.010	0.000	1.280	0.850	1.156	1.043
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0002	0.0002	0.0003	0.0002	0.0002	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0003	0.0002	0.0002	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0003	0.0002	0.0002	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	14.000	16.486	18.915	17.353	17.247	19.288
	14.382	13.999	13.999	14.000	18.721	23.606
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000	2.503	0.576	2.342	2.759	3.324
	0.598	0.000	0.000	0.000	4.798	0.249
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 23

	INCHES	CU. FEET	PERCENT
PRECIPITATION	39.05	141748.410	100.00
RUNOFF	2.243	8140.243	5.74
EVAPOTRANSPIRATION	33.155	120350.771	84.90
PERC./LEAKAGE THROUGH LAYER 3	0.002815	10.219	0.01

Case 6 (Continued)

AVG. HEAD ON TOP OF LAYER 2	16.8331		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002622	9.518	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0026	9.501	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	3.650	13247.888	9.35
SOIL WATER AT START OF YEAR	716.140	2599531.195	
SOIL WATER AT END OF YEAR	719.790	2612779.083	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 24

	JAN	JUL	FEB	AUG	MAR	SEP	APR	OCT	MAY	NOV	JUN	DEC
PRECIPITATION	0.17	0.58	1.58	4.22	6.64	2.26						
	1.30	1.70	1.57	2.09	3.32	2.15						
RUNOFF	0.000	0.000	0.000	0.000	0.812	0.000						
	0.000	0.000	0.000	0.000	0.000	0.456						
EVAPOTRANSPIRATION	0.940	0.408	2.037	4.425	7.514	2.994						
	0.942	2.058	1.570	1.002	1.354	1.262						
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0003	0.0002						
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003						
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003						
	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002						
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003						
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002						
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	21.919	20.705	21.367	16.594	19.607	14.104
	14.000	13.999	13.999	14.000	18.436	21.720
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.575	0.139	0.679	2.495	2.386	0.225
	0.000	0.000	0.000	0.000	3.141	1.364
AVERAGE DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

Case 6 (Continued)

STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	0.000
HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000

AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	0.000
HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 24

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	27.58	100113.218	100.00	
RUNOFF	1.268	4603.487	4.60	
EVAPOTRANSPIRATION		26.506	96215.060	96.11
PERC./LEAKAGE THROUGH LAYER 3		0.002944	10.687	0.01
AVG. HEAD ON TOP OF LAYER 2		17.5375		
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.003027	10.989	0.01
AVG. HEAD ON TOP OF LAYER 7		0.0000		
DRAINAGE COLLECTED FROM LAYER 9		0.0030	10.986	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10		0.0000		
CHANGE IN WATER STORAGE		-0.197	-716.323	-0.72
SOIL WATER AT START OF YEAR		719.790	2612779.083	
SOIL WATER AT END OF YEAR		719.592	2612062.760	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 25

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.25	3.25	0.79	2.87	4.75	2.48
	4.21	1.75	3.02	0.89	2.33	2.37
RUNOFF	0.000	1.852	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
EVAPOTRANSPIRATION	1.373	1.667	1.070	5.359	3.828	2.073
	5.841	1.501	2.344	1.786	0.928	1.192
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Case 6 (Continued)

FROM LAYER 6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	21.881	22.606	21.297	17.224	14.091	14.241
	14.465	14.000	14.000	13.999	14.518	17.420
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.272	0.821	0.294	1.973	0.262	0.573
	0.807	0.000	0.000	0.000	0.689	1.217
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 25

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.96	108752.430	100.00
RUNOFF	1.852	6720.899	6.18
EVAPOTRANSPIRATION	28.963	105134.889	96.67
PERC./LEAKAGE THROUGH LAYER 3	0.002778	10.085	0.01
AVG. HEAD ON TOP OF LAYER 2	16.6451		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002888	10.482	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0029	10.463	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-0.858	-3113.829	-2.86
SOIL WATER AT START OF YEAR	719.592	2612062.760	
SOIL WATER AT END OF YEAR	718.734	2608948.931	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

Case 6 (Continued)

ANNUAL WATER BUDGET BALANCE 0.0000 -0.002 0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 26

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.89	0.86	1.30	1.41	5.60	1.47
	1.42	4.56	4.16	6.97	1.58	3.85
RUNOFF	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	1.075	0.297	2.521
EVAPOTRANSPIRATION	1.474	0.733	2.594	2.284	4.771	2.299
	1.420	4.560	3.474	2.827	1.134	1.282
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0002	0.0003	0.0002	0.0003	0.0002
	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0003	0.0002	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	18.984	18.296	17.610	14.160	14.035	14.000
	13.999	15.728	14.249	21.128	23.492	23.594
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.281	0.137	0.448	0.448	0.087	0.000
	0.000	2.305	0.486	2.467	0.316	0.274
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 26

	INCHES	CU. FEET	PERCENT
PRECIPITATION	34.07	123671.404	100.00
RUNOFF	3.893	14132.400	11.43
EVAPOTRANSPIRATION	28.851	104727.033	84.68
PERC./LEAKAGE THROUGH LAYER 3	0.002920	10.599	0.01
AVG. HEAD ON TOP OF LAYER 2	17.4394		

Case 6 (Continued)

DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.002590	9.403	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0026	9.405	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	1.323	4802.559	3.88
SOIL WATER AT START OF YEAR	718.734	2608948.931	
SOIL WATER AT END OF YEAR	720.057	2613751.490	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 27

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.15	1.94	0.59	1.39	4.74	3.79
	1.20	7.30	0.74	6.22	4.05	0.04
RUNOFF	0.000	0.360	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.350	2.767	0.000
EVAPOTRANSPIRATION	1.939	1.327	1.344	3.479	5.309	3.790
	1.200	4.016	4.024	1.933	1.305	0.917
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.520	22.212	21.037	16.325	14.976	14.251
	14.000	14.173	15.866	17.336	23.542	22.500
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.554	0.879	0.534	2.507	0.866	0.502
	0.000	0.440	2.403	3.700	0.307	0.694
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

Case 6 (Continued)

AVERAGE DAILY HEAD ON TOP OF LAYER 10 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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000

ANNUAL TOTALS FOR YEAR 27

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	33.15	120331.877	100.00	
RUNOFF	3.477	12619.715	10.49	
EVAPOTRANSPIRATION	30.581	111008.299	92.25	
PERC./LEAKAGE THROUGH LAYER 3		0.003050	11.071	0.01
AVG. HEAD ON TOP OF LAYER 2	18.2282			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.003122	11.334	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0031	11.316	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	-0.911	-3307.460	-2.75	
SOIL WATER AT START OF YEAR	720.057	2613751.490		
SOIL WATER AT END OF YEAR	719.146	2610444.031		
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	-0.002	0.00	

MONTHLY TOTALS (IN INCHES) FOR YEAR 28

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.62 0.47	0.67 5.39	2.47 4.00	1.67 4.98	2.99 4.30	0.47 1.75
RUNOFF	0.471 0.000	0.000 0.000	0.518 0.000	0.000 0.085	0.000 0.609	0.000 0.424
EVAPOTRANSPIRATION	1.196 0.492	1.387 5.163	2.478 3.809	4.325 3.396	2.927 1.924	0.602 1.053
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002	0.0003 0.0002	0.0003 0.0003	0.0002 0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002 0.0003	0.0002 0.0003	0.0002 0.0002	0.0002 0.0002	0.0003 0.0002	0.0003 0.0002

Case 6 (Continued)

LATERAL DRAINAGE COLLECTED	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
FROM LAYER 9	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	21.848	22.099	22.323	18.403	14.000	14.000
TOP OF LAYER 2	14.000	14.016	15.111	16.417	22.506	22.111
STD. DEVIATION OF DAILY	0.905	0.708	1.001	1.826	0.000	0.000
HEAD ON TOP OF LAYER 2	0.000	0.056	1.191	3.124	1.123	0.719
AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	0.000
HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	0.000
HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 28

	INCHES	CU. FEET	PERCENT
PRECIPITATION	31.78	115358.886	100.00
RUNOFF	2.107	7649.025	6.63
EVAPOTRANSPIRATION	28.750	104360.042	90.47
PERC./LEAKAGE THROUGH LAYER 3	0.003032	11.008	0.01
AVG. HEAD ON TOP OF LAYER 2	18.0692		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.003089	11.211	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0031	11.210	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	0.920	3338.601	2.89
SOIL WATER AT START OF YEAR	719.146	2610444.031	
SOIL WATER AT END OF YEAR	720.066	2613782.632	
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

Case 6 (Continued)

MONTHLY TOTALS (IN INCHES) FOR YEAR 29

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.87	2.16	3.83	1.40	1.36	9.35
	3.18	3.09	2.36	4.34	2.64	2.73
RUNOFF	0.273	0.158	1.350	0.000	0.000	1.475
	0.000	0.000	0.000	0.000	0.395	2.201
EVAPOTRANSPIRATION	1.539	1.259	3.645	3.982	1.338	4.486
	6.600	3.090	1.619	2.432	0.994	1.205
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.546	22.204	22.496	16.894	14.000	15.715
	16.439	14.792	14.000	14.966	22.972	23.297
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.874	1.015	1.100	2.560	0.000	2.800
	2.927	1.392	0.000	1.342	1.091	0.707
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 10	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 29

	INCHES	CU. FEET	PERCENT
PRECIPITATION	37.31	135432.348	100.00
RUNOFF	5.853	21244.311	15.69
EVAPOTRANSPIRATION	32.190	116845.373	86.28
PERC./LEAKAGE THROUGH LAYER 3	0.003073	11.156	0.01
AVG. HEAD ON TOP OF LAYER 2	18.3602		
DRAINAGE COLLECTED FROM LAYER 6	0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7	0.003040	11.037	0.01

Case 6 (Continued)

AVG. HEAD ON TOP OF LAYER 7	0.0000		
DRAINAGE COLLECTED FROM LAYER 9	0.0030	11.020	0.01
PERC./LEAKAGE THROUGH LAYER 11	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000		
CHANGE IN WATER STORAGE	-0.735	-2668.363	-1.97
SOIL WATER AT START OF YEAR	720.066	2613782.632	
SOIL WATER AT END OF YEAR	719.331	2611114.268	
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

MONTHLY TOTALS (IN INCHES) FOR YEAR 30

	JAN	JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.42	2.35	1.86	5.85	7.21	1.03	
	2.19	1.98	1.22	3.07	1.17	2.89	
RUNOFF	0.000	1.074	0.298	0.000	0.736	0.000	
	0.000	0.000	0.000	0.000	0.000	0.000	
EVAPOTRANSPIRATION	1.480	1.119	2.535	6.323	6.969	2.306	
	1.877	2.393	1.220	2.444	1.015	1.204	
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	
	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	
LATERAL DRAINAGE COLLECTED FROM LAYER 6	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 7	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	
	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	22.254	21.867	21.623	18.262	19.921	14.247
	14.000	14.000	14.000	14.000	14.038	16.209
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.610	0.727	0.977	1.904	2.467	0.709
	0.000	0.000	0.000	0.000	0.046	1.933
AVERAGE DAILY HEAD ON TOP OF LAYER 7	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. DEVIATION OF DAILY HEAD ON TOP OF LAYER 7	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000

Case 6 (Continued)

TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	0.000
HEAD ON TOP OF LAYER 10	0.000	0.000	0.000	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 30

	INCHES	CU. FEET	PERCENT	
PRECIPITATION	32.24	117028.649	100.00	
RUNOFF	2.108	7653.536	6.54	
EVAPOTRANSPIRATION	30.884	112107.108	95.79	
PERC./LEAKAGE THROUGH LAYER 3		0.002847	10.334	0.01
AVG. HEAD ON TOP OF LAYER 2	17.0349			
DRAINAGE COLLECTED FROM LAYER 6		0.0000	0.000	0.00
PERC./LEAKAGE THROUGH LAYER 7		0.003082	11.189	0.01
AVG. HEAD ON TOP OF LAYER 7	0.0000			
DRAINAGE COLLECTED FROM LAYER 9		0.0031	11.171	0.01
PERC./LEAKAGE THROUGH LAYER 11		0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 10	0.0000			
CHANGE IN WATER STORAGE	-0.756	-2743.172	-2.34	
SOIL WATER AT START OF YEAR	719.331	2611114.268		
SOIL WATER AT END OF YEAR	718.575	2608371.096		
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	

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1 THROUGH 30

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION						
TOTALS	1.15	2.50	1.69	3.07	4.12	2.87
	2.10	2.84	3.09	2.84	2.07	2.03
STD. DEVIATIONS	0.76	1.44	0.99	1.85	2.16	2.46
	1.60	2.21	2.00	2.10	1.33	1.35
RUNOFF						
TOTALS	0.034	0.530	0.108	0.099	0.168	0.128
	0.041	0.033	0.039	0.147	0.174	0.425
STD. DEVIATIONS	0.103	0.941	0.287	0.304	0.437	0.441
	0.204	0.181	0.209	0.423	0.521	0.809
EVAPOTRANSPIRATION						
TOTALS	1.319	1.438	2.244	4.529	4.038	2.864

Case 6 (Continued)

2.477 2.550 2.733 2.055 1.042 1.080

STD. DEVIATIONS 0.387 0.524 0.704 1.272 1.877 2.112
1.864 1.633 1.546 0.929 0.295 0.313

PERCOLATION/LEAKAGE THROUGH LAYER 3

TOTALS 0.0003 0.0003 0.0003 0.0002 0.0002 0.0002
0.0002 0.0002 0.0002 0.0002 0.0002 0.0003

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

LATERAL DRAINAGE COLLECTED FROM 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

PERCOLATION/LEAKAGE THROUGH LAYER 7

TOTALS 0.0002 0.0002 0.0002 0.0003 0.0003 0.0003
0.0002 0.0002 0.0002 0.0002 0.0002 0.0002

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

LATERAL DRAINAGE COLLECTED FROM LAYER 9

TOTALS 0.0002 0.0002 0.0002 0.0003 0.0003 0.0003
0.0003 0.0002 0.0002 0.0002 0.0002 0.0002

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

PERCOLATION/LEAKAGE THROUGH LAYER 11

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 2

AVERAGES 19.5014 20.1112 20.2270 16.9535 15.1128 14.6584
14.3833 14.2368 14.6676 15.8302 17.4902 19.3906

STD. DEVIATIONS 3.2199 2.9231 2.3481 1.6258 1.7720 1.2475
0.8319 0.6019 1.0545 2.2567 3.3850 3.5072

DAILY AVERAGE HEAD ON TOP OF LAYER 7

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

DAILY AVERAGE HEAD ON TOP OF LAYER 10

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

Case 6 (Continued)

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1 THROUGH 30

	INCHES	CU. FEET	PERCENT		
PRECIPITATION	30.38 (6.302)	110267.3	100.00		
RUNOFF	1.925 (1.8881)	6989.15	6.338		
EVAPOTRANSPIRATION	28.368 (4.5813)	102972.72	93.385		
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.00282 (0.00018)	10.248	0.00929		
AVERAGE HEAD ON TOP OF LAYER 2	16.880 (1.075)				
LATERAL DRAINAGE COLLECTED FROM LAYER 6	0.00000 (0.00000)	0.000	0.00000		
PERCOLATION/LEAKAGE THROUGH LAYER 7	0.00282 (0.00022)	10.248	0.00929		
AVERAGE HEAD ON TOP OF LAYER 7	0.000 (0.000)				
LATERAL DRAINAGE COLLECTED FROM LAYER 9	0.00282 (0.00022)	10.238	0.00928		
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.00000 (0.00000)	0.009	0.00001		
AVERAGE HEAD ON TOP OF LAYER 10	0.000 (0.000)				
CHANGE IN WATER STORAGE	0.081 (1.7190)	295.20	0.268		

PEAK DAILY VALUES FOR YEARS 1 THROUGH 30 and their dates (DDDDYYYY)

	(INCHES)	(CU. FT.)			
PRECIPITATION	5.09	18476.29728	1290008		
RUNOFF	2.665	9675.35596	3620015		
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.000011	0.04020	3440001		
AVERAGE HEAD ON TOP OF LAYER 2	24.000				
DRAINAGE COLLECTED FROM LAYER 6	0.00000	0.00000	1100027		
PERCOLATION/LEAKAGE THROUGH LAYER 7	0.000014	0.05075	1100027		
AVERAGE HEAD ON TOP OF LAYER 7	0.000				
MAXIMUM HEAD ON TOP OF LAYER 7	0.000				
LOCATION OF MAXIMUM HEAD IN LAYER 6 (DISTANCE FROM DRAIN)	0.0 FEET				
DRAINAGE COLLECTED FROM LAYER 9	0.00001	0.04417	1110027		
PERCOLATION/LEAKAGE THROUGH LAYER 11	0.000000	0.00002	1110027		
AVERAGE HEAD ON TOP OF LAYER 10	0.000				
MAXIMUM HEAD ON TOP OF LAYER 10	0.000				

Case 6 (Continued)

LOCATION OF MAXIMUM HEAD IN LAYER 9
(DISTANCE FROM DRAIN) 0.0 FEET

SNOW WATER 1.95 7072.4948 3430003

MAXIMUM VEG. SOIL WATER (VOL/VOL) 0.4570

MINIMUM VEG. SOIL WATER (VOL/VOL) 0.0580

*** 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 30

LAYER	(INCHES)	(VOL/VOL)
1	9.4448	0.3935
2	0.0000	0.0000
3	7.6860	0.4270
4	1.5720	0.1310
5	676.2720	0.2920
6	1.4880	0.0620
7	0.4099	0.4270
8	3.0182	0.1310
9	0.0019	0.0101
10	0.0000	0.0000
11	18.6823	0.4750
SNOW WATER	0.000	
