

Changed Pages

Part III, Appendix III-D.8-1

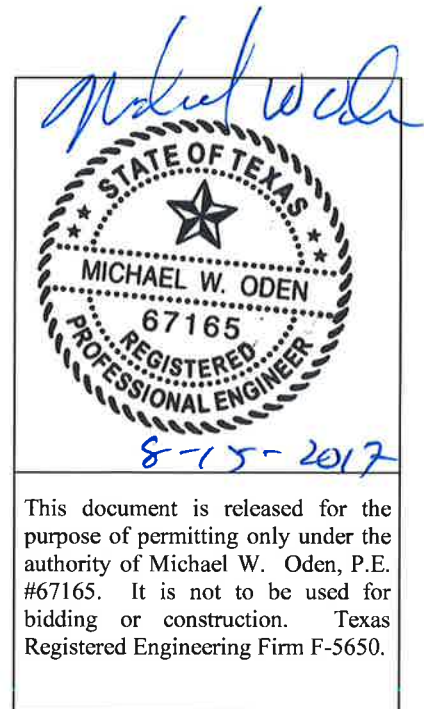
Alternative Final Cover Demonstration

HELP Outputs

ATTACHMENT III-D.8-1
HELP 3.07 OUTPUTS

- A. ALTERNATIVE FINAL COVER – HYDRAULIC CONDUCTIVITY 1×10^{-5}
- B. ALTERNATIVE FINAL COVER – HYDRAULIC CONDUCTIVITY 1×10^{-6}
- C. PRESCRIPTIVE FINAL COVER – GEOMEMBRANE BELOW INFILTRATION LAYER
- D. **PRESCRIPTIVE FINAL COVER – GEOMEMBRANE ABOVE INFILTRATION LAYER**

Modified August 2017



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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:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\PRECIP.D4
TEMPERATURE DATA FILE:    C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\TEMP.D7
SOLAR RADIATION DATA FILE: C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\SOL.D13
EVAPOTRANSPIRATION DATA:  C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\EVAP_FC.D11
SOIL AND DESIGN DATA FILE: C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\PRE_FC4.D10
OUTPUT DATA FILE:         C:\DOCUME~1\XPMUSER\DESKTOP\HELP3\PESC\PRE_FC4.OUT

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TIME: 9:44 DATE: 8/7/2017

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TITLE: Pescadito Prescriptive Cover

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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 0

THICKNESS = 7.00 INCHES
POROSITY = 0.4370 VOL/VOL
FIELD CAPACITY = 0.3730 VOL/VOL
WILTING POINT = 0.2660 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.3021 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.999999975000E-05 CM/SEC

LAYER 2

TYPE 4 - FLEXIBLE MEMBRANE LINER
MATERIAL TEXTURE NUMBER 0

THICKNESS = 0.06 INCHES
POROSITY = 0.0000 VOL/VOL
FIELD CAPACITY = 0.0000 VOL/VOL
WILTING POINT = 0.0000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.0000 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.199999996000E-12 CM/SEC
FML PINHOLE DENSITY = 3.00 HOLES/ACRE

FML INSTALLATION DEFECTS = 3.00 HOLES/ACRE
 FML PLACEMENT QUALITY = 3 - GOOD

LAYER 3

TYPE 1 - VERTICAL PERCOLATION LAYER

MATERIAL TEXTURE NUMBER 0

THICKNESS = 18.00 INCHES
 POROSITY = 0.4750 VOL/VOL
 FIELD CAPACITY = 0.3780 VOL/VOL
 WILTING POINT = 0.2650 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.3662 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.999999975000E-05 CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS USER-SPECIFIED.

SCS RUNOFF CURVE NUMBER = 92.00
 FRACTION OF AREA ALLOWING RUNOFF = 100.0 PERCENT
 AREA PROJECTED ON HORIZONTAL PLANE = 1.000 ACRES
 EVAPORATIVE ZONE DEPTH = 7.0 INCHES
 INITIAL WATER IN EVAPORATIVE ZONE = 2.115 INCHES
 UPPER LIMIT OF EVAPORATIVE STORAGE = 3.059 INCHES
 LOWER LIMIT OF EVAPORATIVE STORAGE = 1.862 INCHES
 INITIAL SNOW WATER = 0.000 INCHES
 INITIAL WATER IN LAYER MATERIALS = 8.705 INCHES
 TOTAL INITIAL WATER = 8.705 INCHES
 TOTAL SUBSURFACE INFLOW = 0.00 INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM
 BROWNSVILLE TEXAS

STATION LATITUDE = 27.34 DEGREES
 MAXIMUM LEAF AREA INDEX = 0.00
 START OF GROWING SEASON (JULIAN DATE) = 0
 END OF GROWING SEASON (JULIAN DATE) = 365
 EVAPORATIVE ZONE DEPTH = 7.0 INCHES
 AVERAGE ANNUAL WIND SPEED = 11.60 MPH
 AVERAGE 1ST QUARTER RELATIVE HUMIDITY = 76.00 %
 AVERAGE 2ND QUARTER RELATIVE HUMIDITY = 75.00 %
 AVERAGE 3RD QUARTER RELATIVE HUMIDITY = 74.00 %
 AVERAGE 4TH QUARTER RELATIVE HUMIDITY = 76.00 %

NOTE: PRECIPITATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR BROWNSVILLE TEXAS

NORMAL MEAN MONTHLY PRECIPITATION (INCHES)

JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
0.82	0.86	0.88	1.37	2.65	2.68
1.93	2.29	3.09	2.41	1.07	0.91

NOTE: TEMPERATURE DATA WAS SYNTHETICALLY GENERATED USING
COEFFICIENTS FOR BROWNSVILLE TEXAS

NORMAL MEAN MONTHLY TEMPERATURE (DEGREES FAHRENHEIT)

JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
56.50	61.00	68.80	76.00	82.00	86.50
87.90	87.90	82.90	75.40	65.50	57.70

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
COEFFICIENTS FOR BROWNSVILLE TEXAS
AND STATION LATITUDE = 27.34 DEGREES

MONTHLY TOTALS (IN INCHES) FOR YEAR 1

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.32	0.49	0.35	0.01	0.00	3.60
	0.00	2.82	3.54	2.89	0.72	1.56
RUNOFF	0.000	0.000	0.000	0.000	0.000	2.080
	0.000	0.196	0.715	0.429	0.000	0.007
EVAPOTRANSPIRATION	0.330	0.346	0.326	0.280	0.141	0.712
	0.216	2.392	3.336	2.634	0.690	1.320
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0090
	0.0132	0.0094	0.0062	0.0086	0.0000	0.0063
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000	0.0000	0.0000	0.0000	0.0000	0.0163
	0.0310	0.0255	0.0193	0.0135	0.0000	0.0187

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000	0.000	0.000	0.000	0.000	2.302
	3.150	2.119	1.325	2.067	0.000	1.325

STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	2.111
HEAD ON TOP OF LAYER 2	0.239	1.690	1.788	2.399	0.000	1.329

ANNUAL TOTALS FOR YEAR 1

	INCHES	CU. FEET	PERCENT
PRECIPITATION	16.30	59169.004	100.00
RUNOFF	3.427	12440.125	21.02
EVAPOTRANSPIRATION	12.722	46181.238	78.05
PERC./LEAKAGE THROUGH LAYER 2	0.052700	191.300	0.32
AVG. HEAD ON TOP OF LAYER 2	1.0241		
PERC./LEAKAGE THROUGH LAYER 3	0.124250	451.029	0.76
CHANGE IN WATER STORAGE	0.027	96.582	0.16
SOIL WATER AT START OF YEAR	9.141	33180.184	
SOIL WATER AT END OF YEAR	9.167	33276.766	
SNOW WATER AT START OF 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	0.030	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 2

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.00 1.02	2.53 1.46	1.70 7.20	0.01 3.49	4.17 0.29	3.37 0.94
RUNOFF	0.000 0.070	0.747 0.035	0.118 3.822	0.000 0.454	1.899 0.000	2.200 0.000
EVAPOTRANSPIRATION	0.351 0.791	0.686 0.657	2.271 4.288	0.399 1.999	1.241 1.316	2.187 0.415

PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0002	0.0073	0.0094	0.0022	0.0030	0.0096
	0.0031	0.0016	0.0117	0.0064	0.0043	0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0021	0.0130	0.0247	0.0114	0.0072	0.0106
	0.0194	0.0040	0.0117	0.0085	0.0087	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.005	1.836	1.966	0.326	0.645	2.412
	0.229	0.321	2.874	1.497	0.931	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.021	2.267	1.197	0.421	1.286	2.012
	0.146	0.992	1.945	1.817	1.467	0.000

ANNUAL TOTALS FOR YEAR 2

	INCHES	CU. FEET	PERCENT
PRECIPITATION	26.18	95033.414	100.00
RUNOFF	9.344	33920.289	35.69
EVAPOTRANSPIRATION	16.603	60267.695	63.42
PERC./LEAKAGE THROUGH LAYER 2	0.058944	213.966	0.23
AVG. HEAD ON TOP OF LAYER 2	1.0869		
PERC./LEAKAGE THROUGH LAYER 3	0.121219	440.025	0.46
CHANGE IN WATER STORAGE	0.112	405.385	0.43
SOIL WATER AT START OF YEAR	9.167	33276.766	
SOIL WATER AT END OF YEAR	9.279	33682.152	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.023	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 3

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.20 1.52	1.92 1.27	0.63 3.38	0.00 0.62	1.32 0.29	7.54 0.61
RUNOFF	0.000 0.005	0.590 0.000	0.000 0.620	0.000 0.013	0.079 0.000	4.230 0.000
EVAPOTRANSPIRATION	0.372 0.866	1.221 1.484	0.657 2.832	0.422 0.791	0.862 0.250	3.677 0.334
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000 0.0006	0.0059 0.0018	0.0024 0.0107	0.0000 0.0010	0.0072 0.0000	0.0098 0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000 0.0045	0.0052 0.0058	0.0076 0.0143	0.0000 0.0031	0.0167 0.0000	0.0125 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000 0.007	1.568 0.321	0.438 2.485	0.000 0.158	1.448 0.000	2.254 0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000 0.017	2.157 0.580	0.698 1.277	0.000 0.386	0.610 0.000	2.033 0.000

ANNUAL TOTALS FOR YEAR 3

	INCHES	CU. FEET	PERCENT
PRECIPITATION	19.30	70059.008	100.00
RUNOFF	5.537	20099.510	28.69
EVAPOTRANSPIRATION	13.768	49978.320	71.34
PERC./LEAKAGE THROUGH LAYER 2	0.039388	142.979	0.20
AVG. HEAD ON TOP OF LAYER 2	0.7232		
PERC./LEAKAGE THROUGH LAYER 3	0.069665	252.883	0.36
CHANGE IN WATER STORAGE	-0.075	-271.723	-0.39

SOIL WATER AT START OF YEAR	9.279	33682.152	
SOIL WATER AT END OF YEAR	9.204	33410.430	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.021	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 4

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.06 1.57	1.72 0.80	1.42 4.29	0.22 3.33	5.20 0.29	1.02 1.23
RUNOFF	0.017 0.155	0.385 0.005	0.043 0.679	0.000 1.404	1.753 0.000	0.022 0.000
EVAPOTRANSPIRATION	0.316 1.662	2.094 0.676	1.419 3.516	0.497 2.277	3.040 0.288	0.953 0.462
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0100 0.0068	0.0164 0.0008	0.0100 0.0068	0.0018 0.0048	0.0102 0.0000	0.0074 0.0006
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0048 0.0174	0.0084 0.0031	0.0161 0.0121	0.0057 0.0035	0.0089 0.0000	0.0171 0.0017

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	2.479 1.145	4.292 0.108	2.151 1.395	0.312 1.156	2.427 0.000	1.462 0.107
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	2.235 1.208	1.239 0.304	1.429 1.572	0.525 1.803	1.766 0.000	0.540 0.442

ANNUAL TOTALS FOR YEAR 4

	INCHES	CU. FEET	PERCENT
PRECIPITATION	22.15	80404.516	100.00
RUNOFF	4.463	16199.421	20.15
EVAPOTRANSPIRATION	17.201	62437.996	77.65
PERC./LEAKAGE THROUGH LAYER 2	0.075623	274.510	0.34
AVG. HEAD ON TOP OF LAYER 2	1.4194		
PERC./LEAKAGE THROUGH LAYER 3	0.098800	358.643	0.45
CHANGE IN WATER STORAGE	0.388	1408.428	1.75
SOIL WATER AT START OF YEAR	9.204	33410.430	
SOIL WATER AT END OF YEAR	9.592	34818.855	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.024	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 5

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.77 1.71	0.26 1.62	1.35 2.89	0.00 0.70	3.51 0.59	0.42 0.20
RUNOFF	0.000 0.228	0.000 0.295	0.013 0.780	0.000 0.000	2.108 0.000	0.000 0.000
EVAPOTRANSPIRATION	0.952 1.518	0.648 2.132	1.428 1.968	0.202 0.345	0.599 0.428	0.333 0.349
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0113 0.0102	0.0074 0.0088	0.0085 0.0068	0.0004 0.0000	0.0161 0.0000	0.0118 0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0119 0.0130	0.0133 0.0104	0.0138 0.0052	0.0018 0.0000	0.0036 0.0000	0.0106 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	2.581	1.625	1.698	0.051	3.998	2.878
	2.238	1.939	1.639	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.490	0.399	1.000	0.193	2.101	0.326
	1.058	1.379	2.171	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 5

	INCHES	CU. FEET	PERCENT
PRECIPITATION	14.02	50892.621	100.00
RUNOFF	3.425	12430.974	24.43
EVAPOTRANSPIRATION	10.903	39578.223	77.77
PERC./LEAKAGE THROUGH LAYER 2	0.081321	295.196	0.58
AVG. HEAD ON TOP OF LAYER 2	1.5540		
PERC./LEAKAGE THROUGH LAYER 3	0.083547	303.276	0.60
CHANGE IN WATER STORAGE	-0.391	-1419.901	-2.79
SOIL WATER AT START OF YEAR	9.592	34818.855	
SOIL WATER AT END OF YEAR	9.201	33398.957	
SNOW WATER AT START OF 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	0.051	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 6

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.88	1.39	0.71	2.86	0.19	4.18
	1.61	2.56	4.85	3.49	1.70	0.85

RUNOFF	0.024	0.270	0.000	1.651	0.000	1.533
	0.625	0.357	1.484	0.475	0.269	0.000
EVAPOTRANSPIRATION	0.308	1.832	0.632	1.603	0.190	1.741
	1.577	1.967	3.309	3.574	1.319	0.551
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000	0.0140	0.0046	0.0026	0.0000	0.0069
	0.0136	0.0102	0.0104	0.0033	0.0046	0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000	0.0073	0.0177	0.0025	0.0000	0.0078
	0.0091	0.0117	0.0114	0.0068	0.0048	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000	3.755	0.489	0.641	0.000	1.580
	3.251	2.281	2.339	0.643	1.077	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000	1.366	0.400	1.442	0.000	1.914
	0.938	1.387	1.658	0.869	1.717	0.000

ANNUAL TOTALS FOR YEAR 6

	INCHES	CU. FEET	PERCENT
PRECIPITATION	25.27	91730.102	100.00
RUNOFF	6.689	24281.059	26.47
EVAPOTRANSPIRATION	18.603	67530.211	73.62
PERC./LEAKAGE THROUGH LAYER 2	0.070355	255.389	0.28
AVG. HEAD ON TOP OF LAYER 2	1.3379		
PERC./LEAKAGE THROUGH LAYER 3	0.079128	287.236	0.31
CHANGE IN WATER STORAGE	-0.101	-368.395	-0.40
SOIL WATER AT START OF YEAR	9.201	33398.957	
SOIL WATER AT END OF YEAR	9.099	33030.562	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.005	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 7

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.53 0.98	0.84 1.79	0.18 6.42	0.00 4.31	1.84 2.12	4.13 1.13
RUNOFF	0.000 0.077	0.001 0.041	0.000 1.920	0.000 0.887	0.343 0.013	2.774 0.000
EVAPOTRANSPIRATION	0.442 0.890	1.102 1.494	0.408 4.476	0.000 3.659	0.319 1.529	2.492 1.415
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000 0.0025	0.0061 0.0021	0.0006 0.0102	0.0000 0.0077	0.0026 0.0000	0.0179 0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000 0.0124	0.0074 0.0030	0.0022 0.0079	0.0000 0.0064	0.0000 0.0000	0.0037 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000 0.152	1.490 0.457	0.084 2.398	0.000 1.773	0.637 0.000	4.536 0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000 0.131	1.335 0.899	0.264 2.290	0.000 1.923	1.982 0.000	2.222 0.000

ANNUAL TOTALS FOR YEAR 7

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.27	88100.094	100.00
RUNOFF	6.055	21980.176	24.95
EVAPOTRANSPIRATION	18.226	66159.375	75.10
PERC./LEAKAGE THROUGH LAYER 2	0.049693	180.384	0.20
AVG. HEAD ON TOP OF LAYER 2	0.9606		
PERC./LEAKAGE THROUGH LAYER 3	0.042924	155.814	0.18

CHANGE IN WATER STORAGE	-0.054	-195.255	-0.22
SOIL WATER AT START OF YEAR	9.099	33030.562	
SOIL WATER AT END OF YEAR	9.046	32835.305	
SNOW WATER AT START OF 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	-0.016	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 8

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.61 7.47	1.49 0.96	0.34 2.83	2.35 0.51	0.73 0.37	0.44 0.36
RUNOFF	0.000 4.845	0.112 0.002	0.000 0.252	0.839 0.004	0.002 0.000	0.000 0.000
EVAPOTRANSPIRATION	0.492 2.832	1.703 0.771	0.479 2.391	1.282 0.568	0.934 0.394	0.244 0.333
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000 0.0063	0.0029 0.0000	0.0000 0.0058	0.0034 0.0041	0.0014 0.0041	0.0000 0.0017
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000 0.0075	0.0044 0.0000	0.0007 0.0057	0.0025 0.0148	0.0066 0.0160	0.0000 0.0074

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000 1.345	0.664 0.000	0.002 1.344	0.821 0.462	0.095 0.337	0.000 0.079
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000 1.940	1.166 0.000	0.011 1.621	1.702 0.216	0.241 0.057	0.000 0.096

ANNUAL TOTALS FOR YEAR 8

	INCHES	CU. FEET	PERCENT
PRECIPITATION	18.46	67009.797	100.00
RUNOFF	6.056	21984.174	32.81
EVAPOTRANSPIRATION	12.423	45095.621	67.30
PERC./LEAKAGE THROUGH LAYER 2	0.029764	108.044	0.16
AVG. HEAD ON TOP OF LAYER 2	0.4292		
PERC./LEAKAGE THROUGH LAYER 3	0.065671	238.387	0.36
CHANGE IN WATER STORAGE	-0.085	-308.391	-0.46
SOIL WATER AT START OF YEAR	9.046	32835.305	
SOIL WATER AT END OF YEAR	8.961	32526.916	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.004	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 9

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.61 0.85	0.78 4.09	0.09 2.09	0.53 0.88	0.52 3.26	3.57 0.51
RUNOFF	0.000 0.064	0.000 3.264	0.000 0.691	0.002 0.357	0.000 1.410	2.108 0.000
EVAPOTRANSPIRATION	0.292 0.123	1.154 1.485	0.327 0.455	0.155 1.320	0.331 0.873	2.007 1.296
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000 0.0006	0.0053 0.0037	0.0013 0.0059	0.0000 0.0125	0.0059 0.0049	0.0113 0.0051
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000 0.0026	0.0087 0.0022	0.0044 0.0002	0.0000 0.0071	0.0108 0.0015	0.0043 0.0049

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000	1.093	0.132	0.000	1.035	2.767
	0.010	0.846	1.519	2.894	1.215	1.125
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000	0.879	0.253	0.000	0.442	2.102
	0.024	1.831	2.629	1.914	2.267	1.550

ANNUAL TOTALS FOR YEAR 9

	INCHES	CU. FEET	PERCENT
PRECIPITATION	17.78	64541.402	100.00
RUNOFF	7.895	28660.617	44.41
EVAPOTRANSPIRATION	9.818	35640.789	55.22
PERC./LEAKAGE THROUGH LAYER 2	0.056442	204.884	0.32
AVG. HEAD ON TOP OF LAYER 2	1.0529		
PERC./LEAKAGE THROUGH LAYER 3	0.046726	169.617	0.26
CHANGE IN WATER STORAGE	0.019	70.390	0.11
SOIL WATER AT START OF YEAR	8.961	32526.916	
SOIL WATER AT END OF YEAR	8.980	32597.305	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.011	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 10

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.95	0.33	1.00	3.20	0.00	5.40
	2.27	0.69	3.75	4.04	1.04	1.08

RUNOFF	0.000	0.000	0.052	0.523	0.000	4.035
	2.012	0.000	2.316	1.119	0.221	0.007
EVAPOTRANSPIRATION	0.700	0.352	1.347	1.836	0.963	0.186
	1.420	0.361	0.560	2.911	2.007	0.412
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0014	0.0048	0.0065	0.0039	0.0013	0.0025
	0.0143	0.0000	0.0063	0.0102	0.0092	0.0001
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0058	0.0132	0.0129	0.0037	0.0012	0.0000
	0.0013	0.0000	0.0004	0.0032	0.0027	0.0013

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.122	0.696	1.072	0.840	0.275	0.636
	3.542	0.000	1.613	2.475	2.326	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.192	0.053	0.692	1.543	0.836	1.954
	2.587	0.000	2.864	2.425	2.643	0.001

ANNUAL TOTALS FOR YEAR 10

	INCHES	CU. FEET	PERCENT
PRECIPITATION	23.75	86212.500	100.00
RUNOFF	10.285	37335.449	43.31
EVAPOTRANSPIRATION	13.053	47382.398	54.96
PERC./LEAKAGE THROUGH LAYER 2	0.060498	219.608	0.25
AVG. HEAD ON TOP OF LAYER 2	1.1332		
PERC./LEAKAGE THROUGH LAYER 3	0.045767	166.133	0.19
CHANGE IN WATER STORAGE	0.366	1328.525	1.54
SOIL WATER AT START OF YEAR	8.980	32597.305	
SOIL WATER AT END OF YEAR	9.346	33925.832	
SNOW WATER AT START OF 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	-0.006	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 11

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.55 3.52	0.97 4.21	0.05 2.13	0.98 0.31	1.85 0.90	0.95 0.53
RUNOFF	0.044 0.714	0.014 1.020	0.000 0.190	0.055 0.000	0.986 0.041	0.036 0.000
EVAPOTRANSPIRATION	2.032 2.460	0.239 4.062	0.416 1.498	0.509 0.557	1.636 0.422	0.462 0.452
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0096 0.0075	0.0000 0.0079	0.0063 0.0048	0.0109 0.0025	0.0135 0.0059	0.0000 0.0100
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0102 0.0072	0.0000 0.0096	0.0151 0.0044	0.0094 0.0058	0.0079 0.0124	0.0000 0.0106

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	2.129 1.694	0.000 1.710	1.030 1.140	2.471 0.422	3.239 1.092	0.000 2.193
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	1.442 1.811	0.000 1.581	0.133 1.630	1.811 0.611	0.924 0.394	0.000 0.842

ANNUAL TOTALS FOR YEAR 11

	INCHES	CU. FEET	PERCENT
PRECIPITATION	17.95	65158.516	100.00
RUNOFF	3.100	11252.402	17.27
EVAPOTRANSPIRATION	14.746	53526.969	82.15
PERC./LEAKAGE THROUGH LAYER 2	0.078970	286.662	0.44
AVG. HEAD ON TOP OF LAYER 2	1.4266		
PERC./LEAKAGE THROUGH LAYER 3	0.092679	336.424	0.52

CHANGE IN WATER STORAGE	0.012	42.695	0.07
SOIL WATER AT START OF YEAR	9.346	33925.832	
SOIL WATER AT END OF YEAR	9.358	33968.523	
SNOW WATER AT START OF 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	0.025	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 12

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.42 0.63	0.97 0.92	0.43 5.10	1.23 1.74	0.18 4.50	2.64 0.29
RUNOFF	0.000 0.008	0.044 0.168	0.000 2.638	0.284 0.127	0.000 1.923	0.419 0.000
EVAPOTRANSPIRATION	0.304 0.640	1.402 1.505	0.334 1.902	0.599 2.032	0.320 2.067	2.006 0.910
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0101 0.0095	0.0099 0.0064	0.0000 0.0114	0.0129 0.0063	0.0101 0.0108	0.0134 0.0016
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0106 0.0122	0.0085 0.0082	0.0000 0.0064	0.0075 0.0059	0.0111 0.0023	0.0062 0.0027

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	2.247 2.044	2.349 1.346	0.000 2.781	3.189 1.436	2.245 2.748	3.316 0.343
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.109 0.884	1.756 1.436	0.000 1.941	0.727 1.987	0.204 2.745	1.788 0.797

ANNUAL TOTALS FOR YEAR 12

	INCHES	CU. FEET	PERCENT
PRECIPITATION	19.05	69151.516	100.00
RUNOFF	5.611	20369.383	29.46
EVAPOTRANSPIRATION	14.023	50902.410	73.61
PERC./LEAKAGE THROUGH LAYER 2	0.102418	371.776	0.54
AVG. HEAD ON TOP OF LAYER 2	2.0037		
PERC./LEAKAGE THROUGH LAYER 3	0.081624	296.294	0.43
CHANGE IN WATER STORAGE	-0.666	-2416.602	-3.49
SOIL WATER AT START OF YEAR	9.358	33968.523	
SOIL WATER AT END OF YEAR	8.692	31551.924	
SNOW WATER AT START OF 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	0.034	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 13

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.13 0.34	0.38 1.36	0.23 1.78	2.90 2.05	3.47 0.47	2.21 1.46
RUNOFF	0.000 0.000	0.000 0.212	0.000 0.372	1.734 0.164	1.710 0.000	0.723 0.125
EVAPOTRANSPIRATION	0.130 1.533	0.173 0.364	0.298 1.352	1.300 1.634	0.901 1.256	1.134 1.106
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000 0.0035	0.0000 0.0111	0.0000 0.0132	0.0046 0.0120	0.0037 0.0091	0.0111 0.0084
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000 0.0052	0.0000 0.0050	0.0000 0.0091	0.0069 0.0113	0.0002 0.0134	0.0107 0.0074

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000	0.000	0.000	0.973	0.913	2.588
	0.738	2.717	3.260	2.786	1.995	1.915
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000	0.000	0.000	1.464	2.149	1.231
	1.298	1.794	0.928	0.999	0.888	2.158

ANNUAL TOTALS FOR YEAR 13

	INCHES	CU. FEET	PERCENT
PRECIPITATION	16.78	60911.418	100.00
RUNOFF	5.040	18296.650	30.04
EVAPOTRANSPIRATION	11.181	40585.824	66.63
PERC./LEAKAGE THROUGH LAYER 2	0.076725	278.510	0.46
AVG. HEAD ON TOP OF LAYER 2	1.4904		
PERC./LEAKAGE THROUGH LAYER 3	0.069449	252.100	0.41
CHANGE IN WATER STORAGE	0.489	1776.826	2.92
SOIL WATER AT START OF YEAR	8.692	31551.924	
SOIL WATER AT END OF YEAR	9.181	33328.750	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.016	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 14

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.46	0.03	0.15	0.09	1.16	3.05
	1.02	1.49	3.45	4.35	0.45	0.75

RUNOFF	0.000	0.000	0.000	0.000	0.100	2.191
	0.025	0.150	0.957	2.101	0.000	0.005
EVAPOTRANSPIRATION	0.713	0.251	0.099	0.107	0.210	1.281
	0.802	1.963	1.559	3.105	0.434	0.441
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0070	0.0010	0.0000	0.0000	0.0098	0.0136
	0.0041	0.0050	0.0043	0.0111	0.0000	0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0157	0.0040	0.0000	0.0000	0.0038	0.0085
	0.0127	0.0072	0.0015	0.0072	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	1.270	0.141	0.000	0.000	2.431	3.389
	0.605	1.037	1.068	2.593	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.364	0.294	0.000	0.000	2.098	0.686
	0.556	1.353	1.918	2.090	0.000	0.000

ANNUAL TOTALS FOR YEAR 14

	INCHES	CU. FEET	PERCENT
PRECIPITATION	16.45	59713.508	100.00
RUNOFF	5.529	20069.924	33.61
EVAPOTRANSPIRATION	10.965	39802.605	66.66
PERC./LEAKAGE THROUGH LAYER 2	0.056094	203.622	0.34
AVG. HEAD ON TOP OF LAYER 2	1.0445		
PERC./LEAKAGE THROUGH LAYER 3	0.060469	219.502	0.37
CHANGE IN WATER STORAGE	-0.104	-378.531	-0.63
SOIL WATER AT START OF YEAR	9.181	33328.750	
SOIL WATER AT END OF YEAR	9.077	32950.219	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.011	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 15

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.20 0.46	0.44 1.27	0.39 3.68	0.00 1.28	3.65 0.81	3.26 1.65
RUNOFF	0.000 0.000	0.000 0.223	0.000 1.142	0.000 0.097	1.299 0.006	1.957 0.380
EVAPOTRANSPIRATION	0.348 0.204	0.285 0.658	0.268 2.267	0.230 1.079	2.328 1.231	1.600 1.498
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000 0.0000	0.0000 0.0122	0.0000 0.0073	0.0000 0.0071	0.0043 0.0034	0.0038 0.0077
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000 0.0000	0.0000 0.0062	0.0000 0.0148	0.0000 0.0149	0.0038 0.0050	0.0071 0.0072

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000 0.000	0.000 2.973	0.000 1.376	0.000 1.255	0.993 0.749	0.745 1.693
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000 0.000	0.000 1.585	0.000 1.425	0.000 0.910	1.687 1.215	1.217 1.961

ANNUAL TOTALS FOR YEAR 15

	INCHES	CU. FEET	PERCENT
PRECIPITATION	17.09	62036.699	100.00
RUNOFF	5.103	18525.680	29.86
EVAPOTRANSPIRATION	11.996	43545.723	70.19
PERC./LEAKAGE THROUGH LAYER 2	0.045799	166.252	0.27
AVG. HEAD ON TOP OF LAYER 2	0.8154		
PERC./LEAKAGE THROUGH LAYER 3	0.058935	213.934	0.34

CHANGE IN WATER STORAGE	-0.068	-248.646	-0.40
SOIL WATER AT START OF YEAR	9.077	32950.219	
SOIL WATER AT END OF YEAR	9.009	32701.572	
SNOW WATER AT START OF 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	0.009	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 16

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.98 3.69	0.34 3.76	0.05 2.83	2.63 1.49	0.17 1.75	0.64 0.14
RUNOFF	0.004 2.852	0.000 2.307	0.000 0.187	0.631 0.028	0.000 0.171	0.016 0.000
EVAPOTRANSPIRATION	0.715 1.412	0.374 1.283	0.323 2.194	2.261 1.530	0.076 1.617	0.131 0.597
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0021 0.0132	0.0061 0.0050	0.0060 0.0039	0.0048 0.0028	0.0000 0.0086	0.0000 0.0016
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0055 0.0034	0.0136 0.0071	0.0144 0.0048	0.0063 0.0044	0.0000 0.0093	0.0000 0.0036

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.337 3.198	1.092 1.019	0.926 0.850	1.015 0.545	0.000 1.861	0.000 0.296
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.472 2.896	0.064 1.323	0.074 1.556	1.397 0.810	0.000 1.750	0.000 0.606

ANNUAL TOTALS FOR YEAR 16

	INCHES	CU. FEET	PERCENT
PRECIPITATION	18.47	67046.102	100.00
RUNOFF	6.196	22490.320	33.54
EVAPOTRANSPIRATION	12.513	45421.004	67.75
PERC./LEAKAGE THROUGH LAYER 2	0.054087	196.336	0.29
AVG. HEAD ON TOP OF LAYER 2	0.9282		
PERC./LEAKAGE THROUGH LAYER 3	0.072213	262.134	0.39
CHANGE IN WATER STORAGE	-0.311	-1127.361	-1.68
SOIL WATER AT START OF YEAR	9.009	32701.572	
SOIL WATER AT END OF YEAR	8.698	31574.211	
SNOW WATER AT START OF 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	0.006	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 17

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.53 2.92	0.75 2.98	0.42 3.29	0.22 2.33	3.01 0.31	3.82 1.35
RUNOFF	0.000 0.996	0.024 0.272	0.000 0.440	0.000 0.108	1.243 0.000	0.837 0.056
EVAPOTRANSPIRATION	0.269 1.338	0.329 2.994	0.315 3.310	0.260 2.431	2.130 0.152	2.957 0.365
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000 0.0036	0.0047 0.0068	0.0078 0.0053	0.0093 0.0013	0.0070 0.0000	0.0052 0.0017
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000 0.0039	0.0063 0.0099	0.0120 0.0058	0.0097 0.0047	0.0093 0.0000	0.0099 0.0004

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000	1.083	1.535	2.090	1.367	0.904
	0.763	1.314	1.163	0.128	0.000	0.401
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000	0.900	0.076	0.526	1.875	1.325
	1.343	1.156	1.393	0.218	0.000	1.433

ANNUAL TOTALS FOR YEAR 17

	INCHES	CU. FEET	PERCENT
PRECIPITATION	21.93	79605.914	100.00
RUNOFF	3.976	14433.673	18.13
EVAPOTRANSPIRATION	16.850	61166.285	76.84
PERC./LEAKAGE THROUGH LAYER 2	0.052764	191.535	0.24
AVG. HEAD ON TOP OF LAYER 2	0.8956		
PERC./LEAKAGE THROUGH LAYER 3	0.071786	260.583	0.33
CHANGE IN WATER STORAGE	1.032	3745.331	4.70
SOIL WATER AT START OF YEAR	8.698	31574.211	
SOIL WATER AT END OF YEAR	9.730	35319.543	
SNOW WATER AT START OF 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	0.044	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 18

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.00	0.35	2.93	1.97	0.22	1.21
	0.26	1.06	6.22	4.07	0.41	1.75

RUNOFF	0.000	0.000	0.455	0.486	0.000	0.118
	0.000	0.041	2.622	0.618	0.000	0.033
EVAPOTRANSPIRATION	0.338	0.273	2.562	1.573	0.505	0.671
	0.320	1.666	3.031	3.575	0.837	1.372
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0172	0.0113	0.0141	0.0082	0.0060	0.0028
	0.0099	0.0075	0.0115	0.0050	0.0007	0.0078
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0025	0.0067	0.0070	0.0108	0.0142	0.0074
	0.0096	0.0083	0.0035	0.0035	0.0019	0.0097

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	4.254	2.970	3.344	1.732	0.920	0.404
	2.177	1.595	2.897	1.164	0.120	1.647
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.644	0.249	1.454	1.548	0.098	0.600
	0.120	1.168	1.813	1.608	0.371	1.047

ANNUAL TOTALS FOR YEAR 18

	INCHES	CU. FEET	PERCENT
PRECIPITATION	20.45	74233.492	100.00
RUNOFF	4.373	15874.803	21.38
EVAPOTRANSPIRATION	16.722	60702.148	81.77
PERC./LEAKAGE THROUGH LAYER 2	0.101970	370.152	0.50
AVG. HEAD ON TOP OF LAYER 2	1.9355		
PERC./LEAKAGE THROUGH LAYER 3	0.085021	308.626	0.42
CHANGE IN WATER STORAGE	-0.731	-2652.062	-3.57
SOIL WATER AT START OF YEAR	9.730	35319.543	
SOIL WATER AT END OF YEAR	8.999	32667.480	
SNOW WATER AT START OF 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	-0.019	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 19

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.88 4.12	1.31 0.75	1.22 1.44	1.00 3.92	2.36 1.22	0.53 0.44
RUNOFF	0.000 1.857	0.467 0.006	0.002 0.099	0.102 1.243	0.890 0.068	0.000 0.000
EVAPOTRANSPIRATION	0.531 1.801	0.570 1.207	1.836 1.589	1.230 2.459	1.468 1.215	0.264 0.469
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0020 0.0034	0.0017 0.0096	0.0033 0.0031	0.0009 0.0114	0.0029 0.0024	0.0000 0.0001
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0050 0.0037	0.0004 0.0100	0.0031 0.0045	0.0023 0.0068	0.0036 0.0071	0.0000 0.0006

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.303 0.758	0.462 2.093	0.747 0.661	0.174 2.662	0.621 0.305	0.000 0.003
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.456 1.368	1.512 0.423	1.314 1.129	0.447 1.734	1.282 0.327	0.000 0.019

ANNUAL TOTALS FOR YEAR 19

	INCHES	CU. FEET	PERCENT
PRECIPITATION	19.19	69659.695	100.00
RUNOFF	4.736	17193.152	24.68
EVAPOTRANSPIRATION	14.638	53136.973	76.28
PERC./LEAKAGE THROUGH LAYER 2	0.040902	148.476	0.21
AVG. HEAD ON TOP OF LAYER 2	0.7324		
PERC./LEAKAGE THROUGH LAYER 3	0.047117	171.034	0.25

CHANGE IN WATER STORAGE	-0.232	-841.469	-1.21
SOIL WATER AT START OF YEAR	8.999	32667.480	
SOIL WATER AT END OF YEAR	8.767	31826.012	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.005	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 20

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.69 2.09	0.16 0.97	0.81 5.25	1.98 0.91	0.27 0.00	0.06 0.83
RUNOFF	0.000 0.705	0.000 0.513	0.000 2.653	0.926 0.000	0.000 0.000	0.000 0.033
EVAPOTRANSPIRATION	0.375 0.501	0.316 1.323	0.302 1.891	1.682 1.334	0.387 0.275	0.086 0.281
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000 0.0092	0.0000 0.0086	0.0004 0.0044	0.0079 0.0029	0.0001 0.0000	0.0000 0.0007
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000 0.0028	0.0000 0.0043	0.0015 0.0041	0.0110 0.0067	0.0006 0.0000	0.0000 0.0043

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000 2.240	0.000 2.034	0.040 1.014	1.552 0.475	0.005 0.000	0.000 0.006
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000 1.884	0.000 1.888	0.160 1.547	1.373 0.557	0.025 0.000	0.000 0.013

ANNUAL TOTALS FOR YEAR 20

	INCHES	CU. FEET	PERCENT
PRECIPITATION	14.02	50892.605	100.00

RUNOFF	4.829	17530.900	34.45
EVAPOTRANSPIRATION	8.753	31773.111	62.43
PERC./LEAKAGE THROUGH LAYER 2	0.034124	123.871	0.24
AVG. HEAD ON TOP OF LAYER 2	0.6138		
PERC./LEAKAGE THROUGH LAYER 3	0.035318	128.204	0.25
CHANGE IN WATER STORAGE	0.402	1460.383	2.87
SOIL WATER AT START OF YEAR	8.767	31826.012	
SOIL WATER AT END OF YEAR	9.170	33286.395	
SNOW WATER AT START OF 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	0.006	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 21

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.83 0.72	0.60 1.05	0.07 2.27	1.08 2.36	2.41 0.62	1.31 2.34
RUNOFF	0.009 0.013	0.185 0.016	0.000 0.016	0.344 0.332	1.260 0.000	0.057 0.880
EVAPOTRANSPIRATION	0.324 0.413	0.334 1.318	0.250 2.251	1.253 2.465	1.490 0.241	0.791 1.140
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0018 0.0058	0.0196 0.0071	0.0183 0.0094	0.0131 0.0092	0.0050 0.0000	0.0062 0.0062
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0001 0.0155	0.0005 0.0134	0.0034 0.0104	0.0090 0.0094	0.0088 0.0000	0.0130 0.0009

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.438 0.878	5.413 1.257	4.557 2.091	3.152 1.988	0.967 0.000	1.171 1.522
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STD. DEVIATION OF DAILY	1.361	0.823	0.411	1.791	1.389	0.424
HEAD ON TOP OF LAYER 2	0.210	1.186	0.770	1.585	0.000	2.412

ANNUAL TOTALS FOR YEAR 21

	INCHES	CU. FEET	PERCENT
PRECIPITATION	15.66	56845.797	100.00
RUNOFF	3.110	11289.865	19.86
EVAPOTRANSPIRATION	12.271	44543.957	78.36
PERC./LEAKAGE THROUGH LAYER 2	0.101739	369.312	0.65
AVG. HEAD ON TOP OF LAYER 2	1.9527		
PERC./LEAKAGE THROUGH LAYER 3	0.084284	305.949	0.54
CHANGE IN WATER STORAGE	0.194	706.018	1.24
SOIL WATER AT START OF YEAR	9.170	33286.395	
SOIL WATER AT END OF YEAR	9.364	33992.410	
SNOW WATER AT START OF 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	0.006	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 22

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.77 0.42	0.83 0.87	0.78 4.52	0.97 1.86	0.55 0.58	3.16 1.38
RUNOFF	0.045 0.005	0.025 0.015	0.011 1.969	0.004 0.468	0.008 0.000	0.904 0.198
EVAPOTRANSPIRATION	2.376 1.422	0.270 0.414	0.448 2.898	1.345 1.605	0.522 0.283	1.620 0.412

PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0081	0.0000	0.0033	0.0098	0.0095	0.0044
	0.0021	0.0015	0.0067	0.0037	0.0000	0.0029
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0112	0.0000	0.0059	0.0101	0.0107	0.0055
	0.0019	0.0068	0.0073	0.0041	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	1.675	0.000	0.578	2.189	2.055	0.965
	0.472	0.067	1.457	0.807	0.000	0.725
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.856	0.000	1.196	1.217	0.486	1.351
	1.289	0.086	1.798	1.532	0.000	1.915

ANNUAL TOTALS FOR YEAR 22

	INCHES	CU. FEET	PERCENT
PRECIPITATION	17.69	64214.723	100.00
RUNOFF	3.651	13254.056	20.64
EVAPOTRANSPIRATION	13.615	49422.414	76.96
PERC./LEAKAGE THROUGH LAYER 2	0.051874	188.303	0.29
AVG. HEAD ON TOP OF LAYER 2	0.9158		
PERC./LEAKAGE THROUGH LAYER 3	0.063473	230.405	0.36
CHANGE IN WATER STORAGE	0.360	1307.817	2.04
SOIL WATER AT START OF YEAR	9.364	33992.410	
SOIL WATER AT END OF YEAR	9.725	35300.227	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.031	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 23

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.09 2.18	0.12 0.67	0.00 1.64	2.07 1.89	2.69 1.07	2.12 1.96
RUNOFF	0.000 0.118	0.000 0.000	0.000 0.174	0.486 0.116	1.075 0.008	0.643 0.201
EVAPOTRANSPIRATION	0.322 1.355	0.257 1.311	0.251 0.412	1.374 2.942	2.159 0.595	1.449 1.291
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0168 0.0005	0.0110 0.0067	0.0098 0.0008	0.0091 0.0082	0.0057 0.0047	0.0017 0.0110
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0037 0.0008	0.0080 0.0138	0.0113 0.0024	0.0112 0.0070	0.0071 0.0057	0.0017 0.0094

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	4.158 0.130	2.872 1.150	2.148 0.108	1.975 1.832	1.199 1.025	0.414 2.446
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.592 0.654	0.256 0.465	0.151 0.404	1.037 1.906	1.323 0.986	1.203 1.518

ANNUAL TOTALS FOR YEAR 23

	INCHES	CU. FEET	PERCENT
PRECIPITATION	16.50	59895.016	100.00
RUNOFF	2.822	10244.618	17.10
EVAPOTRANSPIRATION	13.716	49790.848	83.13
PERC./LEAKAGE THROUGH LAYER 2	0.086186	312.855	0.52
AVG. HEAD ON TOP OF LAYER 2	1.6215		
PERC./LEAKAGE THROUGH LAYER 3	0.081946	297.465	0.50

CHANGE IN WATER STORAGE	-0.121	-437.950	-0.73
SOIL WATER AT START OF YEAR	9.725	35300.227	
SOIL WATER AT END OF YEAR	9.604	34862.277	
SNOW WATER AT START OF 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	0.034	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 24

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.46 0.00	2.05 4.21	1.84 4.56	3.96 2.34	0.00 0.00	0.79 0.97
RUNOFF	0.091 0.000	0.061 2.903	0.054 3.040	1.386 0.208	0.000 0.000	0.048 0.000
EVAPOTRANSPIRATION	1.919 0.357	1.438 0.321	2.203 2.545	2.849 1.836	0.222 0.423	0.194 0.381
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0103 0.0000	0.0047 0.0106	0.0052 0.0093	0.0066 0.0042	0.0001 0.0015	0.0000 0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0100 0.0000	0.0057 0.0006	0.0047 0.0024	0.0040 0.0063	0.0006 0.0041	0.0000 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	2.232 0.000	1.073 2.628	1.155 2.334	1.587 0.850	0.012 0.242	0.000 0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	1.422 0.000	1.484 3.320	1.548 2.930	2.290 1.109	0.066 0.457	0.000 0.000

ANNUAL TOTALS FOR YEAR 24

	INCHES	CU. FEET	PERCENT
PRECIPITATION	22.18	80513.406	100.00
RUNOFF	7.791	28280.900	35.13
EVAPOTRANSPIRATION	14.687	53314.738	66.22
PERC./LEAKAGE THROUGH LAYER 2	0.052355	190.050	0.24
AVG. HEAD ON TOP OF LAYER 2	1.0094		
PERC./LEAKAGE THROUGH LAYER 3	0.038308	139.058	0.17
CHANGE IN WATER STORAGE	-0.336	-1221.336	-1.52
SOIL WATER AT START OF YEAR	9.604	34862.277	
SOIL WATER AT END OF YEAR	9.267	33640.941	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.047	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 25

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.74 0.33	2.84 3.80	1.00 4.09	0.48 1.21	1.15 0.51	1.06 0.12
RUNOFF	0.009 0.000	0.601 1.275	0.001 0.575	0.000 0.046	0.074 0.000	0.030 0.000
EVAPOTRANSPIRATION	0.367 0.390	2.526 2.754	1.079 3.077	0.454 1.539	1.423 0.777	0.514 0.300
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0159 0.0101	0.0170 0.0118	0.0107 0.0106	0.0076 0.0047	0.0049 0.0062	0.0104 0.0005
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0031 0.0124	0.0043 0.0107	0.0126 0.0114	0.0147 0.0061	0.0082 0.0150	0.0077 0.0023

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	3.944	4.661	2.392	1.521	0.957	2.575
TOP OF LAYER 2	2.242	2.684	2.376	1.041	1.070	0.048
STD. DEVIATION OF DAILY	1.751	1.210	0.803	0.534	1.271	1.322
HEAD ON TOP OF LAYER 2	0.217	1.481	1.938	1.350	0.311	0.159

ANNUAL TOTALS FOR YEAR 25

	INCHES	CU. FEET	PERCENT
PRECIPITATION	17.33	62907.898	100.00
RUNOFF	2.611	9477.261	15.07
EVAPOTRANSPIRATION	15.198	55168.402	87.70
PERC./LEAKAGE THROUGH LAYER 2	0.110457	400.960	0.64
AVG. HEAD ON TOP OF LAYER 2	2.1260		
PERC./LEAKAGE THROUGH LAYER 3	0.108681	394.510	0.63
CHANGE IN WATER STORAGE	-0.587	-2132.288	-3.39
SOIL WATER AT START OF YEAR	9.267	33640.941	
SOIL WATER AT END OF YEAR	8.680	31508.654	
SNOW WATER AT START OF 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	0.016	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 26

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.41	0.78	1.13	0.00	5.86	2.48
	0.42	4.51	3.21	4.27	0.60	0.48
RUNOFF	0.000	0.006	0.338	0.000	2.724	0.460
	0.000	1.155	0.214	1.211	0.000	0.000

EVAPOTRANSPIRATION	0.236	0.284	0.565	0.232	2.844	2.941
	0.420	2.278	3.674	3.101	0.595	0.477
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000	0.0000	0.0059	0.0137	0.0051	0.0050
	0.0000	0.0077	0.0072	0.0074	0.0010	0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000	0.0000	0.0078	0.0072	0.0041	0.0043
	0.0000	0.0037	0.0060	0.0078	0.0033	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000	0.000	1.206	3.414	1.209	1.184
	0.000	1.859	1.732	1.652	0.172	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000	0.000	1.816	0.301	1.920	1.828
	0.000	1.989	2.028	1.647	0.389	0.000

ANNUAL TOTALS FOR YEAR 26

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.15	87664.516	100.00
RUNOFF	6.108	22172.766	25.29
EVAPOTRANSPIRATION	17.647	64058.781	73.07
PERC./LEAKAGE THROUGH LAYER 2	0.053047	192.559	0.22
AVG. HEAD ON TOP OF LAYER 2	1.0357		
PERC./LEAKAGE THROUGH LAYER 3	0.044222	160.525	0.18
CHANGE IN WATER STORAGE	0.351	1272.440	1.45
SOIL WATER AT START OF YEAR	8.680	31508.654	
SOIL WATER AT END OF YEAR	9.031	32781.094	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.001	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 27

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.61 0.74	0.15 2.32	1.18 1.13	0.55 1.30	4.62 0.92	5.08 0.88
RUNOFF	0.000 0.003	0.000 0.661	0.017 0.000	0.000 0.020	1.487 0.008	3.487 0.000
EVAPOTRANSPIRATION	0.362 0.369	0.283 1.715	1.374 0.751	0.448 1.423	2.859 0.725	2.108 1.056
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0000 0.0000	0.0000 0.0074	0.0084 0.0058	0.0008 0.0083	0.0082 0.0057	0.0048 0.0083
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0000 0.0000	0.0000 0.0041	0.0081 0.0155	0.0027 0.0133	0.0070 0.0144	0.0045 0.0121

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	0.000 0.000	0.000 1.783	1.890 0.906	0.103 1.621	1.855 0.877	1.147 1.675
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.000 0.000	0.000 1.952	1.557 0.581	0.281 1.229	2.005 0.811	1.604 0.587

ANNUAL TOTALS FOR YEAR 27

	INCHES	CU. FEET	PERCENT
PRECIPITATION	19.48	70712.398	100.00
RUNOFF	5.683	20630.645	29.18
EVAPOTRANSPIRATION	13.473	48905.676	69.16
PERC./LEAKAGE THROUGH LAYER 2	0.057770	209.706	0.30
AVG. HEAD ON TOP OF LAYER 2	0.9880		
PERC./LEAKAGE THROUGH LAYER 3	0.081929	297.401	0.42

CHANGE IN WATER STORAGE	0.242	878.680	1.24
SOIL WATER AT START OF YEAR	9.031	32781.094	
SOIL WATER AT END OF YEAR	9.273	33659.773	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.003	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 28

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.61 3.11	0.08 4.58	1.35 0.68	0.25 5.11	3.33 0.10	1.24 0.89
RUNOFF	0.000 1.394	0.000 1.834	0.335 0.001	0.000 1.476	1.068 0.000	0.085 0.000
EVAPOTRANSPIRATION	0.482 1.512	0.338 2.775	1.071 0.568	0.649 3.400	2.254 1.006	0.735 0.247
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0063 0.0057	0.0061 0.0046	0.0079 0.0017	0.0010 0.0131	0.0076 0.0031	0.0064 0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0136 0.0071	0.0120 0.0024	0.0113 0.0037	0.0021 0.0062	0.0062 0.0037	0.0089 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	1.016 1.118	1.119 1.081	1.485 0.297	0.167 3.056	1.672 0.646	1.293 0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.125 1.229	0.030 1.768	1.176 0.492	0.431 1.383	1.708 1.059	0.703 0.000

ANNUAL TOTALS FOR YEAR 28

	INCHES	CU. FEET	PERCENT
PRECIPITATION	21.33	77427.898	100.00
RUNOFF	6.192	22478.076	29.03
EVAPOTRANSPIRATION	15.040	54594.180	70.51
PERC./LEAKAGE THROUGH LAYER 2	0.063339	229.920	0.30
AVG. HEAD ON TOP OF LAYER 2	1.0790		
PERC./LEAKAGE THROUGH LAYER 3	0.077256	280.440	0.36
CHANGE IN WATER STORAGE	0.021	75.205	0.10
SOIL WATER AT START OF YEAR	9.273	33659.773	
SOIL WATER AT END OF YEAR	9.293	33734.980	
SNOW WATER AT START OF 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	0.000	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 29

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.03 0.48	2.62 4.29	0.33 6.12	0.01 4.97	4.10 1.23	0.36 0.79
RUNOFF	0.213 0.000	1.014 1.717	0.000 2.593	0.000 2.337	2.624 0.061	0.000 0.017
EVAPOTRANSPIRATION	1.221 0.175	1.480 2.629	0.595 3.467	0.084 1.890	1.472 2.057	0.311 0.289
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0111 0.0000	0.0075 0.0148	0.0007 0.0069	0.0000 0.0055	0.0109 0.0038	0.0000 0.0000
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0078 0.0000	0.0076 0.0058	0.0018 0.0063	0.0000 0.0024	0.0021 0.0044	0.0000 0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	2.523 0.000	1.695 3.475	0.106 1.601	0.000 1.332	2.705 0.869	0.000 0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	1.865 0.000	2.329 2.715	0.322 2.212	0.000 2.201	2.335 1.483	0.000 0.000

ANNUAL TOTALS FOR YEAR 29

	INCHES	CU. FEET	PERCENT
PRECIPITATION	26.33	95577.930	100.00
RUNOFF	10.577	38393.102	40.17
EVAPOTRANSPIRATION	15.668	56874.621	59.51
PERC./LEAKAGE THROUGH LAYER 2	0.061160	222.010	0.23
AVG. HEAD ON TOP OF LAYER 2	1.1922		
PERC./LEAKAGE THROUGH LAYER 3	0.038050	138.120	0.14
CHANGE IN WATER STORAGE	0.047	172.046	0.18
SOIL WATER AT START OF YEAR	9.293	33734.980	
SOIL WATER AT END OF YEAR	9.341	33907.027	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.035	0.00

MONTHLY TOTALS (IN INCHES) FOR YEAR 30

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	0.50 3.04	1.84 6.28	1.70 2.40	0.71 2.63	0.70 1.61	0.72 1.72

RUNOFF	0.002	0.002	0.060	0.077	0.000	0.000
	1.235	3.525	0.497	0.646	0.004	0.051
EVAPOTRANSPIRATION	0.522	1.565	1.614	1.430	0.236	0.410
	1.468	3.945	1.378	1.930	1.637	1.246
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.0112	0.0115	0.0071	0.0095	0.0000	0.0043
	0.0146	0.0065	0.0074	0.0085	0.0028	0.0033
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.0085	0.0077	0.0090	0.0112	0.0000	0.0026
	0.0071	0.0044	0.0058	0.0089	0.0050	0.0066

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 2	2.613	2.998	1.492	2.138	0.000	1.070
	3.526	1.524	1.780	1.859	0.566	0.628
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 2	0.767	0.806	1.528	1.004	0.000	1.659
	0.815	2.131	1.845	1.785	0.783	1.270

ANNUAL TOTALS FOR YEAR 30

	INCHES	CU. FEET	PERCENT
PRECIPITATION	23.85	86575.508	100.00
RUNOFF	6.099	22139.652	25.57
EVAPOTRANSPIRATION	17.382	63098.293	72.88
PERC./LEAKAGE THROUGH LAYER 2	0.086555	314.193	0.36
AVG. HEAD ON TOP OF LAYER 2	1.6829		
PERC./LEAKAGE THROUGH LAYER 3	0.076687	278.374	0.32
CHANGE IN WATER STORAGE	0.292	1059.163	1.22
SOIL WATER AT START OF YEAR	9.341	33907.027	
SOIL WATER AT END OF YEAR	9.633	34966.187	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00

ANNUAL WATER BUDGET BALANCE 0.0000 0.025 0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1 THROUGH 30

	<u>JAN/JUL</u>	<u>FEB/AUG</u>	<u>MAR/SEP</u>	<u>APR/OCT</u>	<u>MAY/NOV</u>	<u>JUN/DEC</u>
<u>PRECIPITATION</u>						
TOTALS	0.66 1.65	0.98 2.31	0.79 3.57	1.08 2.49	1.97 0.96	2.35 0.97
STD. DEVIATIONS	0.44 1.61	0.81 1.57	0.69 1.65	1.17 1.44	1.76 0.97	1.81 0.57
<u>RUNOFF</u>						
TOTALS	0.015 0.600	0.152 0.740	0.050 1.122	0.318 0.550	0.758 0.140	1.033 0.066
STD. DEVIATIONS	0.042 1.087	0.269 1.048	0.115 1.092	0.510 0.644	0.878 0.426	1.306 0.175
<u>EVAPOTRANSPIRATION</u>						
TOTALS	0.615 1.026	0.804 1.663	0.850 2.292	0.885 2.065	1.135 0.898	1.206 0.707
STD. DEVIATIONS	0.557 0.700	0.669 0.996	0.698 1.140	0.731 0.946	0.914 0.589	0.984 0.431
<u>PERCOLATION/LEAKAGE THROUGH LAYER 2</u>						
TOTALS	0.0051 0.0058	0.0061 0.0066	0.0053 0.0072	0.0048 0.0065	0.0054 0.0032	0.0060 0.0029
STD. DEVIATIONS	0.0059 0.0049	0.0057 0.0039	0.0047 0.0031	0.0046 0.0036	0.0043 0.0033	0.0049 0.0036
<u>PERCOLATION/LEAKAGE THROUGH LAYER 3</u>						
TOTALS	0.0044 0.0074	0.0055 0.0069	0.0076 0.0073	0.0055 0.0070	0.0055 0.0047	0.0060 0.0037
STD. DEVIATIONS	0.0050 0.0072	0.0047 0.0051	0.0065 0.0048	0.0045 0.0037	0.0046 0.0051	0.0051 0.0047

 AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 2

AVERAGES	1.1442	1.4982	1.0886	1.0812	1.1976	1.3998
	1.2550	1.4579	1.6608	1.4211	0.6741	0.6060
STD. DEVIATIONS	1.4154	1.5365	1.1091	1.0942	1.0474	1.2364
	1.2149	0.9452	0.7853	0.8817	0.7611	0.7981

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

	INCHES		CU. FEET	PERCENT
PRECIPITATION	19.78 (3.525)		71796.6	100.00
RUNOFF	5.544 (2.0614)		20124.32	28.030
EVAPOTRANSPIRATION	14.147 (2.5528)		51352.89	71.526
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.06477 (0.02121)		235.111	0.32747
AVERAGE HEAD ON TOP OF LAYER 2	1.207 (0.432)			
PERCOLATION/LEAKAGE THROUGH LAYER 3	0.07157 (0.02357)		259.804	0.36186
CHANGE IN WATER STORAGE	0.016 (0.3708)		59.53	0.083

 PEAK DAILY VALUES FOR YEARS 1 THROUGH 30

	(INCHES)	(CU. FT.)
PRECIPITATION	4.24	15391.199
RUNOFF	3.543	12859.3662
PERCOLATION/LEAKAGE THROUGH LAYER 2	0.000912	3.31079
AVERAGE HEAD ON TOP OF LAYER 2	7.000	

PERCOLATION/LEAKAGE THROUGH LAYER 3 0.001279 4.64395

SNOW WATER 0.00 0.0000

MAXIMUM VEG. SOIL WATER (VOL/VOL) 0.4370

MINIMUM VEG. SOIL WATER (VOL/VOL) 0.2660

FINAL WATER STORAGE AT END OF YEAR 30

LAYER	(INCHES)	(VOL/VOL)
1	2.8108	0.4015
2	0.0000	0.0000
3	6.3866	0.3548
SNOW WATER	0.000	
