

Appendix F

HELP Model Analysis

TDRSA Water Balance Calculations

1. Purpose and Background Information

The Temporary Development Rock Storage Area (TDRSA) is planned at the Kennecott Eagle Minerals Company (KEMC) site to safely store development rock that is removed as part of planned subsurface mining activities at the site. The TDRSA is a temporary storage area over a seven-year period, as development rock will be incorporated into the backfilling operation at the mine. The primary containment measures to be employed at the TDRSA are a sand / GeoNet and geotextile drainage system over a composite liner. The proposed liner consists of a HDPE flexible membrane liner over compacted clay or a geosynthetic, bentonite clay liner (GCL).

Hydrologic modeling of the TDRSA was performed to evaluate barrier equivalency and the expected performance of the drainage system. Barrier equivalency evaluations involved comparisons of modeled percolation through the liner for compacted clay and GCL liners. Evaluations of the performance of the drainage system involved evaluations of the modeled lateral drainage and buildup of hydraulic head in the drainage layer. Although a temporary cover is proposed for the TDRSA, the TDRSA was modeled for the open condition (no cover, full capture and no runoff of precipitation) for a representative, seven-year period. Details regarding the modeling environment, climatic data, strategies and outcomes of the modeling are described below.

2. Methodology

All modeling was conducted using Visual HELP Version 2.2.0.3 (Waterloo Hydrogeologic, Inc., Waterloo, Ontario). The modeling environment provides user input and output summaries, as well as standard execution of the HELP model (The Hydrologic Evaluation of Landfill Performance Model), version 3.08. Standard versions of HELP input and output files are also generated within the Visual HELP application.

The HELP model allowed a detailed hydrologic evaluation of the proposed TDRSA drainage and liner system with a complete 7-yr daily climate record that is representative of the project site. The analyses were performed with conservative assumptions, such as fully open conditions, no runoff, allowance for head buildup to evaluate percolation, limited liner percolation for drainage system evaluations, and side slope considerations.

2.1 Houghton FAA Weather Site

The climatic data file for the National Weather Station at Hancock Houghton County Airport, Michigan, was used for HELP modeling of the TDRSA at the KMEC site. Details of the weather station are shown in Table 1. Daily climate data for precipitation and temperature (min./max.) were downloaded from the National Climatic Data Center (NCDC) website¹, for the period of 1949-2005. A subset record for the period of 1991 – 1997 data were used for Visual HELP modeling of KMEC site. This subset was used to include a representative 7-year period, as well as to include periods of the heavy rainfall in 1993. The maximum daily precipitation event for this period was 3.23 in. (1991).

Table 1. Houghton FAA Weather Station Information

¹ <http://www.ncdc.noaa.gov>



Client: Kennecott Minerals Company
Project: Eagle Project
Prepared by: Jerry Eykholt, PhD, PE
Checked by: JOS1

Scope ID.: 04W018
Page: 2 of 5
Date: 10/26/05
Date: 11/15/05

COOPID	WBANID	STATION NAME	STATE	LATITUDE	LONGITUDE	ELEVATION
203908	14858	HANCOCK HOUGHTON CO AP	MI	47:10:00	-88:29	327.4

2.2 Strategy for HELP modeling:

The purpose of HELP modeling was to estimate the performance of the liner and drainage system for a fully open (no cover) condition at the TDRSA at the KMEC site. Run-off was assumed zero for all simulations, and evaporative losses were generally small because of settings of the model. Three main simulation cases were run, two to evaluate barrier equivalency and the third to evaluate the water drainage and collection system. Modeling of two drainage / liner systems were done to evaluate barrier equivalency between a conventional clay liner and a geocomposite clay liner (GCL). Case 1 refers to the simulation for the conventional clay liner and Case 2 refers to the simulation for the GCL liner. Both liner systems included a sand drainage layer, a geotextile, and a HDPE geomembrane. In order to evaluate barrier equivalency for these cases, the head on the liner was allowed to build up within the sand drainage layer to daily peak values slightly above 12 inches. The third case (Case 3) refers to simulation of a proposed lateral drainage system and head build-up within the drainage layers. The proposed drainage system includes 12 inches of sand over a GeoNet / geosynthetic composite layer with high-transmissivity. The selection of the GeoNet greatly reduces head build-up. For Case 3, settings for the liner system were also selected to minimize percolation losses.

For all simulation cases, the lateral drainage from the 50 ft.-long, 3:1 side slopes were considered. First, HELP simulations for the side slopes were performed and peak daily lateral drainage was recorded. Then the same lateral drainage was applied to the regular, 176-ft. slope as a subsurface inflow. Further details for the simulation cases are provided below.

2.2.1 Simulation Cases:

Output files of the following analysis are presented in Attachment 1.

Case 1: TDRSA with conventional liner. 20 ft. rock over 1 ft. sand drainage layer, over geotextile, HDPE geomembrane, and 3 ft. clay liner with $K = 1 \times 10^{-7}$ cm/s. Used to evaluate liner equivalency. Includes the contribution of flow to sand drainage layer from 50 ft. side slope.

Total percolation over 7-yr. period = 0.01022" (using peak daily results).

Case 2: TDRSA with GCL liner. 20 ft. rock over 1 ft. sand drainage layer, over geotextile, HDPE geomembrane, and 0.03 ft. bentonite geocomposite clay layer (GCL) with $K = 3 \times 10^{-9}$ cm/s. Used to evaluate liner equivalency. Includes contribution of flow to sand drainage layer from 50 ft. side slope.

Total percolation over 7-yr. period = 0.000511" (using peak daily results).

Case 3: TDRSA with perfect GCL liner. 20 ft. rock over 1 ft. sand drainage layer, over high-transmissivity GeoNet sandwiched between two geotextiles (0.77 cm, $T = 1 \times 10^{-3}$ m²/s), HDPE geomembrane, and 0.03 ft. bentonite geocomposite clay layer (GCL) with $K = 3 \times 10^{-9}$ cm/s. Geomembrane conditions set to no defects and perfect installation, to minimize percolation losses. Sand drainage layer was varied from 1×10^{-3} m/sec.

Side slope contribution: 50 ft. drainage length, slope at 3:1 was evaluated separately to account for the sideslope contribution to the base collection system

Summarized in the following Table 2 are maximum head peak average head and lateral drainage values for varying sand permeability for the case 3 conditions.

Notes for Case 3: GeoNet had to be input to HELP model as 0.6 cm layer (0.236 in.), and K was selected as 16.7 cm/s to match GeoNet transmissivity.

Table 2. Summary of HELP Model Output for Simulations of TDRSA Drainage System (Case 3)

Saturated Hydraulic Conductivity of Sand, Ks (cm/s)	head and flow conditions without consideration of lateral drainage from side-slopes			head and flow conditions with consideration of peak lateral drainage from side-slopes		
	maximum head (in.)	peak avg. daily head (in.)	peak daily lateral drainage (in.)	maximum head (in.)	peak avg. daily head (in.)	peak daily lateral drainage (in.)
0.0001	0.063	0.032	0.34	0.064	0.032	0.35
0.0001	0.134	0.068	0.73	0.136	0.069	0.74
0.001	0.167	0.085	0.92	0.175	0.089	0.96
0.010	0.173	0.088	0.95	0.181	0.092	0.99

Check the geonet allowable flow rate q (allow) to required flow q (required)

Where

$$q(\text{allow}) = T \times i \times w$$

$$T (\text{transmissivity}) = 1 \times 10^{-3} \text{ m}^2/\text{sec}$$

$$i = \text{slope} = 2\% = 0.02$$

$$W = \text{width, use per unit width} = 1 \text{ m}$$

Then

$$q(\text{allow}) = 1 \times 10^{-3} \text{ m}^2/\text{sec} \times 0.02 \times 1 \text{ m}$$

$$q(\text{allow}) = 0.00002 \text{ m}^3/\text{sec}$$

$$q(\text{allow}) = 0.0002 \text{ m}^3/\text{sec} \times 264.2 \text{ gallons/m}^3$$

$$q(\text{allow}) = 0.00528 \text{ gal/sec}$$

$$= 0.317 \text{ gallons/min}$$

Calculate required flow q (required)

$$i = .96 \text{ in/day} \times 1 \text{ ft/12 in} = 0.08 \text{ ft/day}$$

$$\text{Where } q = i \times L \times w$$

$$I = 96 \text{ in/day} \times 1 \text{ ft/12 in} = 0.08 \text{ ft/day}$$

$$L = 176 \text{ ft (flow length to drainage pipe)}$$

$$w = \text{unit, width of flow length} = 1 \text{ ft}$$

Then

$$q(\text{req}) = 0.08 \text{ ft/day} \times 176 \text{ ft} \times 1 \text{ ft}$$

$$q(\text{req}) = 14.08 \text{ ft}^3/\text{day} = 105.3 \text{ gal/day}$$

$$q(\text{req}) = 0.0012 \text{ gal/min}$$

$$T(\text{allow}) = 0.317 \text{ gal/min} > q(\text{required}) = 0.0012 \text{ gal/min, having over 260 times the required flow capacity}$$

2.2.2 Hand Calculation of Barrier Equivalency

Hand calculation of barrier equivalency was also done as a check to the HELP modeling results for barrier equivalency. This calculation involved evaluation of a percolation for a fixed head level on the GCL or clay liner. With assumed values for the thickness of the GCL, the thickness of the compacted clay, and the hydraulic conductivity of the compacted clay, the outcome of the hand calculation was the hydraulic conductivity of the GCL that would produce an equivalent flow for set head conditions. GCL hydraulic conductivities less than this value would be expected to produce less percolation.

The hand calculations were based on Darcy's Law and the assumption that flow is equivalent for clay liner and GCL.

$$(k i A)_{clay} = (k i A)_{GCL}$$

$$\left(\frac{k(H+L)}{L} A \right)_{clay} = \left(\frac{k(H+L)}{L} A \right)_{GCL}$$

The liner area A is assumed to be the same for each problem, so the balance equation reduces to

$$\left(\frac{k(H+L)}{L} \right)_{clay} = \left(\frac{k(H+L)}{L} \right)_{GCL}$$

Assuming that the head on top of the liner (H) is 1.0 ft., the thickness of clay (L) is 3.0 ft. and thickness of GCL is 0.035 ft. (0.5 in.), the ratio of hydraulic conductivities between the GCL and clay can be found as

$$\left(\frac{k_{GCL}}{k_{clay}} \right) = \frac{\left(\frac{L}{H+L} \right)_{GCL}}{\left(\frac{L}{H+L} \right)_{clay}} = \frac{\left(\frac{0.035 \text{ ft.}}{1.035 \text{ ft.}} \right)_{GCL}}{\left(\frac{3.0 \text{ ft.}}{4.0 \text{ ft.}} \right)_{clay}} = 0.045$$

Using this relationship and with $k_{clay} = 1 \times 10^{-7} \text{ cm/s}$, k_{GCL} can be as high as $4.5 \times 10^{-9} \text{ cm/s}$ for equivalency. The HELP model default K for GCL is $3.0 \times 10^{-9} \text{ cm/s}$ (67% of limit), and the 7-yr net percolation for GCL (Case 2) is approx. 62% of that for the 3 ft. compacted clay case (Case 1).

As a final check, the hand calculation was also performed to evaluate the case for a smaller head (H= 0.1 ft.)

$$\left(\frac{k_{GCL}}{k_{clay}} \right) = \frac{\left(\frac{L}{H+L} \right)_{GCL}}{\left(\frac{L}{H+L} \right)_{clay}} = \frac{\left(\frac{0.035 \text{ ft.}}{0.135 \text{ ft.}} \right)_{GCL}}{\left(\frac{3.0 \text{ ft.}}{3.1 \text{ ft.}} \right)_{clay}} = 0.27$$

This results in a less restrictive K for the GCL ($2.7 \times 10^{-8} \text{ cm/s}$), so this case is not limiting on the K of the GCL.

2.3 Conclusions

Results of hydrologic modeling and supporting hand calculations of the proposed TDRSA drainage and liner systems show that

- ♦ A bentonite geosynthetic clay liner (GCL) with a hydraulic conductivity (K) of 4.5×10^{-9} cm/s or better provides equivalency compared to a 3 ft. compacted clay layer with a hydraulic conductivity of 1.0×10^{-7} cm/s. Using the HELP model default K for the GCL of 3.0×10^{-9} cm/s results in approximately 62% of the percolation expected from a 3 ft. compacted clay layer with a hydraulic conductivity of 1.0×10^{-7} cm/s.
- ♦ A lateral drainage layer consisting of 12 inches of sand and a geosynthetic – GeoNet composite layer results in very low values for the peak daily and instantaneous maximum head in the lateral drainage layer. All simulations with this general design produced maximum heads less than the thickness of the GeoNet. Head buildup within the sand and TDRSA rock will not occur, given the high rates of drainage provided by the GeoNet. The collection efficiency of the geonet composite drainage layer is nearly 100%.

Attachment 1

HELP Output Files

Case 1

Project : KEMC TDRSA LINER_Clay

This project is prepared to demonstrate barrier equivalency. Compare to GCL case.

Jerry Eykholt, PhD, PE

Foth & Van Dyke and Assoc.

Model : HELP

An US EPA model for predicting landfill hydrologic processes and testing of effectiveness of landfill designs

Location : KEMC site, near Marquette, Michigan

Uses daily precipitation and temperature data for Houghton FAA for period of 1991 – 1997.

10/10/2005

1. Profile. EPA profile1

Model Settings

[HELP] Case Settings

Parameter	Value	Units
Runoff Method	Model calculated	(-)
Initial Moisture Settings	Model calculated	(-)

[HELP] Surface Water Settings

Parameter	Value	Units
Runoff Area	0	(%%)
Vegetation Class	Bare soil	(-)

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
 Development Rock	0.0000	-20.0000	20.0000
 Sand	-20.0000	-21.0000	1.0000
 Drainage Net (0.5cm)	-21.0000	-21.0164	0.0164
 High Density Polyethylene (HDPE)	-21.0159	-21.0192	0.0033
 Clay, moderately compacted	-21.0187	-24.0187	3.0000

1.1. Layer. Development Rock

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 0.0100
Bottom Slope : 2.0000

[HELP] Vertical Perc. Layer Parameters

Parameter	Value	Units
total porosity	.35	(vol/vol)
field capacity	.001	(vol/vol)
wilting point	.0005	(vol/vol)
sat.hydr.conductivity	10	(cm/sec)
subsurface inflow	0	(mm/year)

1.2. Layer. Sand

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Lateral Drainage Layer Parameters

Parameter	Value	Units
total porosity	0.437	(vol/vol)
field capacity	.005	(vol/vol)
wilting point	.001	(vol/vol)
sat.hydr.conductivity	.01	(cm/sec)
subsurface inflow	1960	(mm/year)

Subsurface inflow uses maximum lateral drainage from side slopes (0.886" over 50 ft. side slope at 3:1) to report as steady input to drainage layer. Area corrected input is 0.211" per day (0.886" x 42 / 176), which is equal to 1960 mm/yr.

1.3. Layer. Drainage Net (0.5cm)

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Geotextiles and Geonets Parameters

Parameter	Value	Units
total porosity	0.85	(vol/vol)
field capacity	0.01	(vol/vol)
wilting point	0.005	(vol/vol)
sat.hydr.conductivity	.4	(cm/sec)
subsurface inflow	0	(mm/year)

1.4. Layer. High Density Polyethylene (HDPE)

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Geomembrane Liner Parameters

Parameter	Value	Units
sat.hydr.conductivity	2E-13	(cm/sec)
pinhole density	1	(#/acre)
installation defects	1	(#/acre)
placement quality (1=perfect, 2= excellent)	2	(-)
geotextile transmissivity	0	(cm2/sec)

1.5. Layer. Clay, moderately compacted

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Barrier Soil Liner Parameters

Parameter	Value	Units
total porosity	0.451	(vol/vol)
field capacity	0.419	(vol/vol)
wilting point	0.332	(vol/vol)
sat.hydr.conductivity	1.0E-07	(cm/sec)
subsurface inflow	0	(mm/year)

THICKNESS = 0.50 CM
POROSITY = 0.8500 VOL/VOL
FIELD CAPACITY = 0.0100 VOL/VOL
WILTING POINT = 0.0050 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.8500 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.400000000000 CM/SEC
SLOPE = 2.00 PERCENT
DRAINAGE LENGTH = 53.6 METERS

LAYER 4

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 = 2.47 HOLES/HECTARE
FML INSTALLATION DEFECTS = 2.47 HOLES/HECTARE
FML PLACEMENT QUALITY = 2 - EXCELLENT

LAYER 5

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 29
THICKNESS = 91.44 CM
POROSITY = 0.4510 VOL/VOL
FIELD CAPACITY = 0.4190 VOL/VOL
WILTING POINT = 0.3320 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.4510 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 #5 WITH BARE
GROUND CONDITIONS, A SURFACE SLOPE OF 0.0% AND
A SLOPE LENGTH OF 54. METERS.

SCS RUNOFF CURVE NUMBER = 81.44
FRACTION OF AREA ALLOWING RUNOFF = 0.0 PERCENT
AREA PROJECTED ON HORIZONTAL PLANE = 0.4047 HECTARES
EVAPORATIVE ZONE DEPTH = 20.3 CM
INITIAL WATER IN EVAPORATIVE ZONE = 0.653 CM
UPPER LIMIT OF EVAPORATIVE STORAGE = 7.112 CM
LOWER LIMIT OF EVAPORATIVE STORAGE = 0.010 CM
INITIAL SNOW WATER = 5.095 CM
INITIAL WATER IN LAYER MATERIALS = 70.430 CM
TOTAL INITIAL WATER = 75.525 CM
TOTAL SUBSURFACE INFLOW = 77.17 MM/YR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM
KMEC_Site MI

STATION LATITUDE = 47.17 DEGREES
MAXIMUM LEAF AREA INDEX = 4.00
START OF GROWING SEASON (JULIAN DATE) = 144
END OF GROWING SEASON (JULIAN DATE) = 261
EVAPORATIVE ZONE DEPTH = 8.0 INCHES
AVERAGE ANNUAL WIND SPEED = 11.20 MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY = 70.00 %

1	*	*	0.28	0.000	0.016	0.0321	4.0813	.7571E-01	.1237E-05
2	*	*	0.23	0.000	0.014	0.0321	4.0127	.7527E-01	.1216E-05
3	*	*	0.58	0.000	0.013	0.0321	3.9425	.7481E-01	.1194E-05
4	*	*	0.32	0.000	0.011	0.0321	3.8708	.7435E-01	.1173E-05
5	*	*	0.03	0.000	0.014	0.0321	3.7979	.7388E-01	.1150E-05
6	*	*	0.07	0.000	0.000	0.0321	3.7238	.7341E-01	.1128E-05
7	*	*	0.02	0.000	0.015	0.0321	3.6487	.7292E-01	.1105E-05
8	*	*	0.29	0.000	0.015	0.0321	3.5728	.7243E-01	.1082E-05
9	*	*	0.14	0.000	0.000	0.0321	3.4960	.7194E-01	.1059E-05
10	*	*	0.02	0.000	0.013	0.0321	3.4186	.7144E-01	.1035E-05
11	*	*	0.08	0.000	0.000	0.0321	3.3406	.7094E-01	.1011E-05
12	*	*	0.00	0.000	0.012	0.0321	3.2620	.7043E-01	.9874E-06
13	*	*	0.14	0.000	0.012	0.0321	3.1831	.6992E-01	.9635E-06
14	*	*	0.05	0.000	0.011	0.0321	3.1039	.6941E-01	.9394E-06
15	*	*	0.02	0.000	0.008	0.0321	3.0243	.6890E-01	.9152E-06
16	*	*	0.06	0.000	0.010	0.0321	2.9446	.6839E-01	.8910E-06
17	*	*	0.09	0.000	0.000	0.0321	2.8647	.6787E-01	.8668E-06
18	*	*	0.16	0.000	0.000	0.0321	2.7847	.6736E-01	.8425E-06
19	*	*	0.01	0.000	0.000	0.0321	2.7047	.6684E-01	.8182E-06
20	*	*	0.10	0.000	0.000	0.0321	2.0250	.6239E-01	.6125E-06
21	*	*	0.05	0.000	0.000	0.0321	0.7921	.5416E-01	.2395E-06
22	*	*	0.28	0.000	0.000	0.0321	0.1937	.4989E-01	.5841E-07
23	*	*	0.31	0.000	0.000	0.0321	0.1869	.4813E-01	.5635E-07
24	*	*	0.19	0.000	0.000	0.0321	0.1777	.4578E-01	.5360E-07
25	*	*	0.17	0.000	0.024	0.0321	0.1683	.4334E-01	.5074E-07
26	*	*	0.22	0.000	0.021	0.0321	0.1593	.4104E-01	.4805E-07
27	*	*	0.43	0.000	0.021	0.0321	0.1514	.3899E-01	.4564E-07
28	*	*	0.30	0.000	0.021	0.0321	0.1444	.3720E-01	.4355E-07
29	*	*	0.35	0.000	0.019	0.0321	0.1385	.3567E-01	.4175E-07
30	*	*	0.08	0.000	0.000	0.0321	0.1334	.3436E-01	.4022E-07
31	*	*	0.25	0.000	0.022	0.0321	0.1290	.3324E-01	.3891E-07
32	*	*	0.00	0.000	0.019	0.0321	0.1253	.3228E-01	.3779E-07
33	*	*	0.00	0.000	0.017	0.0321	0.1221	.3146E-01	.3682E-07
34	*	*	0.00	0.000	0.021	0.0321	0.1193	.3074E-01	.3598E-07
35	*	*	0.00	0.000	0.015	0.0321	0.1169	.3011E-01	.3525E-07

36	*	*	0.00	0.000	0.015	0.0321	0.1147	.2955E-01	.3459E-07
37	*	*	0.00	0.000	0.018	0.0321	0.1128	.2905E-01	.3401E-07
38	*	*	0.00	0.000	0.000	0.0321	0.1110	.2859E-01	.3347E-07
39	*	*	0.00	0.000	0.029	0.0321	0.1094	.2817E-01	.3298E-07
40	*	*	0.00	0.000	0.027	0.0321	0.1079	.2779E-01	.3253E-07
41	*	*	0.00	0.000	0.000	0.0321	0.1065	.2742E-01	.3210E-07
42	*	*	0.04	0.000	0.000	0.0321	0.1051	.2708E-01	.3170E-07
43	*	*	0.01	0.000	0.000	0.0321	0.1039	.2676E-01	.3132E-07
44	*	*	0.00	0.000	0.037	0.0321	0.1027	.2645E-01	.3096E-07
45	*	*	0.17	0.000	0.030	0.0321	0.1015	.2616E-01	.3062E-07
46	*	*	0.19	0.000	0.029	0.0321	0.1004	.2587E-01	.3028E-07
47	*	*	0.00	0.000	0.029	0.0321	0.0994	.2560E-01	.2997E-07
48	*	*	0.00	0.000	0.030	0.0321	0.0984	.2534E-01	.2966E-07
49	*	*	0.04	0.000	0.028	0.0321	0.0974	.2508E-01	.2936E-07
50	*	*	0.14	0.000	0.022	0.0321	0.0964	.2483E-01	.2907E-07
51	*	*	0.00	0.000	0.030	0.0321	0.0955	.2459E-01	.2879E-07
52	*	*	0.26	0.000	0.024	0.0321	0.0946	.2436E-01	.2852E-07
53	*	*	0.23	0.000	0.020	0.0321	0.0937	.2414E-01	.2825E-07
54	*	*	0.09	0.000	0.017	0.0321	0.0928	.2392E-01	.2799E-07
55	*	*	0.07	0.000	0.000	0.0321	0.0920	.2370E-01	.2774E-07
56	*	*	0.00	0.000	0.018	0.0321	0.0912	.2349E-01	.2750E-07
57	*	*	0.00	0.000	0.020	0.0321	0.0904	.2329E-01	.2726E-07
58	*	*	0.01	0.000	0.000	0.0321	0.0896	.2309E-01	.2703E-07
59	*	*	0.00	0.000	0.028	0.0321	0.0889	.2290E-01	.2680E-07
60	*	*	0.02	0.000	0.000	0.0321	0.0882	.2271E-01	.2658E-07
61	*	*	0.04	0.000	0.015	0.0321	0.0874	.2252E-01	.2636E-07
62	*	*	0.00	0.000	0.010	0.0321	0.0867	.2234E-01	.2615E-07
63	*	*	0.00	0.000	0.023	0.0321	0.0861	.2217E-01	.2595E-07
64	*	*	0.10	0.000	0.000	0.0321	0.0854	.2200E-01	.2575E-07
65	*	*	0.01	0.000	0.019	0.0321	0.0847	.2183E-01	.2555E-07
66	*	*	0.00	0.000	0.016	0.0321	0.0841	.2166E-01	.2536E-07
67	*	*	0.00	0.000	0.000	0.0321	0.0835	.2150E-01	.2517E-07
68	*	*	0.11	0.000	0.018	0.0321	0.0829	.2134E-01	.2498E-07
69	*	*	0.00	0.000	0.021	0.0321	0.0823	.2119E-01	.2480E-07
70	*	*	0.00	0.000	0.016	0.0321	0.0817	.2104E-01	.2463E-07
71	*	*	0.00	0.000	0.015	0.0321	0.0811	.2089E-01	.2446E-07
72	*	*	0.00	0.000	0.013	0.0321	0.0806	.2075E-01	.2429E-07
73	*	*	0.00	0.000	0.019	0.0321	0.0800	.2061E-01	.2412E-07
74	*	*	0.00	0.000	0.024	0.0321	0.0795	.2047E-01	.2396E-07
75	*	*	0.00	0.000	0.000	0.0321	0.0789	.2033E-01	.2380E-07
76	*	*	0.00	0.000	0.035	0.0321	0.0784	.2020E-01	.2365E-07
77	*	*	0.00	0.000	0.024	0.0321	0.0779	.2007E-01	.2349E-07
78	*	*	0.00	0.000	0.000	0.0321	0.0774	.1994E-01	.2334E-07
79	*	*	0.00	0.000	0.000	0.1895	0.0769	.1982E-01	.2320E-07
80	*	*	0.42	0.000	0.000	0.2729	0.0765	.1970E-01	.2305E-07
81	*	*	0.15	0.000	0.026	0.2818	0.0760	.1958E-01	.2291E-07
82	*	*	0.95	0.000	0.028	0.2818	0.0755	.1946E-01	.2278E-07
83	*	*	0.03	0.000	0.027	0.2818	0.0751	.1934E-01	.2264E-07
84	*	*	0.00	0.000	0.015	0.3112	0.0747	.1923E-01	.2251E-07
85	*	*	0.56	0.000	0.000	0.3500	0.0715	.1841E-01	.2155E-07
86	*	*	0.54	0.000	0.000	0.3500	0.0691	.1779E-01	.2082E-07
87	*	*	0.13	0.000	0.061	0.3500	0.0688	.1773E-01	.2075E-07
88	*	*	0.00	0.000	0.069	0.3500	2.3789	.4967E-01	.7212E-06
89	*	*	0.00	0.000	0.000	0.3500	5.8530	.8712E-01	.1777E-05
90	*	*	0.05	0.000	0.012	0.3500	7.0098	.9457E-01	.2131E-05
91	*	*	0.00	0.000	0.000	0.3500	7.8087	.9971E-01	.2375E-05
92	*	*	0.00	0.000	0.000	0.3500	8.3605	.1033	.2545E-05
93	*	*	0.00	0.000	0.000	0.3500	8.7895	.1061	.2677E-05
94	*	*	0.00	0.000	0.000	0.3500	9.1234	.1083	.2779E-05
95	*	*	0.00	0.000	0.000	0.3500	9.3836	.1100	.2859E-05
96	*	*	0.00	0.000	0.000	0.3500	9.8329	.1131	.2997E-05
97	*	*	0.00	0.000	0.000	0.3500	10.3140	.1165	.3146E-05
98	*	*	0.12	0.000	0.043	0.3500	10.4397	.1173	.3184E-05
99	*	*	0.05	0.000	0.026	0.3500	10.4948	.1177	.3201E-05
100	*	*	0.00	0.000	0.101	0.3500	10.5221	.1179	.3210E-05
101	*	*	0.00	0.000	0.000	0.3500	10.5267	.1180	.3211E-05
102	*	*	0.00	0.000	0.000	0.3500	10.5121	.1179	.3207E-05
103	*	*	0.00	0.000	0.000	0.3500	10.4809	.1176	.3197E-05
104	*	*	0.84	0.000	0.012	0.3500	10.4397	.1173	.3184E-05
105	*	*	0.00	0.000	0.000	0.3500	10.3813	.1169	.3166E-05
106	*	*	0.30	0.000	0.012	0.3500	10.2223	.1158	.3117E-05
107	*	*	0.01	0.000	0.007	0.3500	10.0230	.1144	.3056E-05
108	*	*	0.00	0.000	0.000	0.3500	9.7844	.1128	.2982E-05
109	*	*	0.00	0.000	0.000	0.3500	9.6624	.1119	.2945E-05
110	*	*	0.00	0.000	0.000	0.3500	9.7149	.1123	.2961E-05
111	*	*	0.00	0.000	0.000	0.3500	9.7732	.1127	.2979E-05
112	*	*	0.00	0.000	0.000	0.3500	9.8149	.1130	.2992E-05
113	*	*	0.00	0.000	0.000	0.3500	9.8385	.1131	.2999E-05
114	*	*	0.00	0.000	0.000	0.3500	9.8446	.1132	.3001E-05
115	*	*	0.00	0.000	0.000	0.3500	9.8348	.1131	.2998E-05
116	*	*	0.00	0.000	0.000	0.3500	9.8107	.1129	.2991E-05
117	*	*	0.02	0.000	0.010	0.3500	9.7736	.1127	.2979E-05

118	*	*	0.00	0.000	0.000	0.3500	9.7334	.1124	.2967E-05
119	*	*	0.25	0.000	0.053	0.3500	9.6755	.1120	.2949E-05
120	*	*	0.55	0.000	0.000	0.3500	9.6085	.1115	.2928E-05
121	*	*	0.03	0.000	0.011	0.3500	9.5410	.1111	.2908E-05
122	*	*	0.00	0.000	0.000	0.3500	9.3872	.1100	.2860E-05
123	*	*	0.00	0.000	0.000	0.3500	9.1656	.1085	.2792E-05
124	*	*	0.06	0.000	0.012	0.3500	8.9776	.1073	.2734E-05
125	*	*	0.02	0.000	0.010	0.3500	8.9545	.1071	.2727E-05
126	*	*	0.88	0.000	0.012	0.3500	8.9118	.1069	.2714E-05
127	*	*	0.04	0.000	0.011	0.3500	8.8470	.1064	.2694E-05
128			0.00	0.000	0.035	0.0005	8.6955	.1054	.2648E-05
129			0.00	0.000	0.000	0.0005	9.6338	.1118	.2936E-05
130			0.00	0.000	0.000	0.0005	11.0889	.1220	.3385E-05
131			0.00	0.000	0.000	0.0005	12.6888	4.352	.3737E-05
132			0.00	0.000	0.000	0.0005	0.0194	.4997E-02	.7008E-08
133			0.00	0.000	0.000	0.0005	2.7845	.6359E-01	.8432E-06
134			0.00	0.000	0.000	0.0005	4.0441	.7547E-01	.1225E-05
135			0.06	0.000	0.015	0.0062	4.3922	.7771E-01	.1331E-05
136			0.01	0.000	0.020	0.0050	4.8588	.8071E-01	.1473E-05
137			0.00	0.000	0.019	0.0026	5.4672	.8463E-01	.1659E-05
138			0.00	0.000	0.012	0.0005	5.6766	.8598E-01	.1723E-05
139			0.00	0.000	0.000	0.0005	5.7915	.8672E-01	.1758E-05
140			0.00	0.000	0.000	0.0005	5.8860	.8733E-01	.1787E-05
141			0.00	0.000	0.000	0.0005	5.9570	.8779E-01	.1809E-05
142			0.01	0.000	0.008	0.0005	6.0072	.8811E-01	.1824E-05
143			0.00	0.000	0.000	0.0005	6.0372	.8830E-01	.1833E-05
144			0.37	0.000	0.019	0.0443	6.0537	.8841E-01	.1838E-05
145			0.00	0.000	0.010	0.0213	6.0611	.8846E-01	.1840E-05
146			1.25	0.000	0.029	0.1627	6.0388	.8831E-01	.1834E-05
147			0.00	0.000	0.086	0.0280	6.0179	.8818E-01	.1827E-05
148			0.00	0.000	0.040	0.0005	5.9998	.8806E-01	.1822E-05
149			0.55	0.000	0.106	0.0560	5.9009	.8742E-01	.1791E-05
150			0.34	0.000	0.221	0.0449	5.7413	.8640E-01	.1743E-05
151			0.00	0.000	0.125	0.0293	5.6357	.8572E-01	.1710E-05
152			0.00	0.000	0.167	0.0080	5.5362	.8508E-01	.1680E-05
153			0.00	0.000	0.031	0.0005	5.5069	.8489E-01	.1671E-05
154			0.00	0.000	0.000	0.0005	5.5802	.8536E-01	.1693E-05
155			0.00	0.000	0.000	0.0005	5.6304	.8568E-01	.1709E-05
156			0.00	0.000	0.000	0.0005	5.6901	.8607E-01	.1727E-05
157			0.00	0.000	0.000	0.0005	5.7455	.8642E-01	.1744E-05
158			0.00	0.000	0.000	0.0005	5.7908	.8672E-01	.1758E-05
159			0.00	0.000	0.000	0.0005	5.8246	.8693E-01	.1768E-05
160			0.00	0.000	0.000	0.0005	5.8469	.8708E-01	.1775E-05
161			0.00	0.000	0.000	0.0005	5.8582	.8715E-01	.1778E-05
162			0.00	0.000	0.000	0.0005	5.8593	.8716E-01	.1779E-05
163			0.00	0.000	0.000	0.0005	5.8512	.8710E-01	.1776E-05
164			0.00	0.000	0.000	0.0005	5.8345	.8700E-01	.1771E-05
165			0.06	0.000	0.013	0.0063	5.8102	.8684E-01	.1764E-05
166			0.04	0.000	0.020	0.0088	5.7788	.8664E-01	.1754E-05
167			0.00	0.000	0.015	0.0070	5.7412	.8640E-01	.1743E-05
168			0.00	0.000	0.015	0.0051	5.6976	.8612E-01	.1729E-05
169			0.00	0.000	0.011	0.0032	5.6498	.8581E-01	.1715E-05
170			0.00	0.000	0.012	0.0018	5.5979	.8547E-01	.1699E-05
171			0.11	0.000	0.026	0.0117	5.5415	.8511E-01	.1682E-05
172			0.02	0.000	0.026	0.0109	5.4820	.8473E-01	.1664E-05
173			0.00	0.000	0.021	0.0083	5.4180	.8431E-01	.1644E-05
174			0.00	0.000	0.020	0.0055	5.3486	.8387E-01	.1623E-05
175			0.00	0.000	0.023	0.0025	5.2777	.8341E-01	.1601E-05
176			0.00	0.000	0.008	0.0005	5.2049	.8294E-01	.1579E-05
177			0.22	0.000	0.025	0.0249	5.1306	.8246E-01	.1556E-05
178			0.35	0.000	0.037	0.0640	5.0528	.8196E-01	.1533E-05
179			0.03	0.000	0.198	0.0331	4.9700	.8143E-01	.1507E-05
180			0.95	0.000	0.044	0.1343	4.8880	.8090E-01	.1482E-05
181			0.01	0.000	0.138	0.0443	4.8178	.8045E-01	.1461E-05
182			1.07	0.000	0.246	0.1198	4.7509	.8002E-01	.1441E-05
183			0.20	0.000	0.211	0.0592	4.6443	.7933E-01	.1408E-05
184			0.00	0.000	0.122	0.0133	4.5209	.7854E-01	.1370E-05
185			0.00	0.000	0.058	0.0023	4.3896	.7769E-01	.1330E-05
186			0.00	0.000	0.007	0.0005	4.2418	.7674E-01	.1285E-05
187			0.00	0.000	0.000	0.0005	4.0843	.7573E-01	.1237E-05
188			0.33	0.000	0.086	0.0310	4.0039	.7521E-01	.1213E-05
189			0.00	0.000	0.052	0.0245	4.0607	.7557E-01	.1230E-05
190			0.00	0.000	0.083	0.0141	4.1355	.7606E-01	.1253E-05
191			0.00	0.000	0.070	0.0030	4.2015	.7648E-01	.1273E-05
192			0.00	0.000	0.011	0.0005	4.2651	.7689E-01	.1293E-05
193			0.69	0.000	0.092	0.0753	4.3166	.7722E-01	.1308E-05
194			0.00	0.000	0.121	0.0244	4.3360	.7735E-01	.1314E-05
195			0.00	0.000	0.150	0.0006	4.3665	.7754E-01	.1323E-05
196			0.00	0.000	0.001	0.0005	4.3328	.7733E-01	.1313E-05
197			0.16	0.000	0.105	0.0074	4.1956	.7644E-01	.1271E-05
198			0.05	0.000	0.054	0.0067	4.1099	.7589E-01	.1245E-05
199			0.00	0.000	0.039	0.0016	4.0981	.7582E-01	.1242E-05

200	0.00	0.000	0.006	0.0005	4.1085	.7588E-01	.1245E-05
201	0.16	0.000	0.076	0.0107	4.1229	.7598E-01	.1249E-05
202	0.00	0.000	0.042	0.0051	4.1304	.7602E-01	.1252E-05
203	1.15	0.000	0.147	0.1304	4.1345	.7605E-01	.1253E-05
204	0.00	0.000	0.128	0.0515	4.1350	.7605E-01	.1253E-05
205	0.00	0.000	0.086	0.0050	4.1367	.7606E-01	.1253E-05
206	0.00	0.000	0.019	0.0027	4.0632	.7559E-01	.1231E-05
207	0.00	0.000	0.009	0.0005	3.9281	.7472E-01	.1190E-05
208	0.00	0.000	0.000	0.0005	3.7992	.7389E-01	.1151E-05
209	0.65	0.000	0.102	0.0690	3.7881	.7382E-01	.1147E-05
210	0.03	0.000	0.104	0.0269	3.8327	.7411E-01	.1161E-05
211	0.00	0.000	0.109	0.0054	3.9015	.7455E-01	.1182E-05
212	0.00	0.000	0.020	0.0005	3.8768	.7439E-01	.1174E-05
213	0.00	0.000	0.000	0.0005	3.7621	.7365E-01	.1139E-05
214	0.00	0.000	0.000	0.0005	3.7205	.7338E-01	.1127E-05
215	0.00	0.000	0.000	0.0005	3.7576	.7362E-01	.1138E-05
216	0.00	0.000	0.000	0.0005	3.8110	.7397E-01	.1154E-05
217	0.00	0.000	0.000	0.0005	3.8615	.7429E-01	.1170E-05
218	0.00	0.000	0.000	0.0005	3.9047	.7457E-01	.1183E-05
219	0.00	0.000	0.000	0.0005	3.9392	.7479E-01	.1193E-05
220	0.00	0.000	0.000	0.0005	3.9649	.7496E-01	.1201E-05
221	0.00	0.000	0.000	0.0005	3.9821	.7507E-01	.1206E-05
222	0.00	0.000	0.000	0.0005	3.9912	.7513E-01	.1209E-05
223	0.00	0.000	0.000	0.0005	3.9928	.7514E-01	.1210E-05
224	0.00	0.000	0.000	0.0005	3.9874	.7510E-01	.1208E-05
225	0.00	0.000	0.000	0.0005	3.9756	.7503E-01	.1204E-05
226	0.00	0.000	0.000	0.0005	3.9580	.7491E-01	.1199E-05
227	0.00	0.000	0.000	0.0005	3.9350	.7477E-01	.1192E-05
228	1.02	0.000	0.114	0.1137	3.9071	.7459E-01	.1184E-05
229	0.09	0.000	0.143	0.0530	3.8744	.7437E-01	.1174E-05
230	0.00	0.000	0.100	0.0062	3.8566	.7426E-01	.1168E-05
231	0.00	0.000	0.030	0.0005	3.8096	.7396E-01	.1154E-05
232	0.00	0.000	0.000	0.0005	3.7093	.7331E-01	.1123E-05
233	0.00	0.000	0.000	0.0005	3.5641	.7238E-01	.1079E-05
234	0.00	0.000	0.000	0.0005	3.4399	.7158E-01	.1041E-05
235	0.34	0.000	0.081	0.0329	3.3886	.7125E-01	.1026E-05
236	0.08	0.000	0.123	0.0276	3.3754	.7116E-01	.1022E-05
237	0.22	0.000	0.107	0.0400	3.3707	.7113E-01	.1020E-05
238	0.10	0.000	0.170	0.0279	3.3692	.7112E-01	.1020E-05
239	0.00	0.000	0.135	0.0082	3.3778	.7118E-01	.1023E-05
240	0.00	0.000	0.033	0.0023	3.3833	.7121E-01	.1024E-05
241	0.00	0.000	0.011	0.0005	3.3709	.7113E-01	.1021E-05
242	0.00	0.000	0.000	0.0005	3.3211	.7081E-01	.1005E-05
243	0.00	0.000	0.000	0.0005	3.2690	.7048E-01	.9896E-06
244	0.00	0.000	0.000	0.0005	3.2214	.7017E-01	.9751E-06
245	0.00	0.000	0.000	0.0005	3.1790	.6990E-01	.9622E-06
246	0.63	0.000	0.058	0.0719	3.1395	.6964E-01	.9502E-06
247	0.00	0.000	0.070	0.0283	3.1003	.6939E-01	.9383E-06
248	0.01	0.000	0.050	0.0055	3.0802	.6926E-01	.9322E-06
249	0.00	0.000	0.021	0.0005	3.0407	.6901E-01	.9202E-06
250	0.00	0.000	0.000	0.0005	2.9457	.6839E-01	.8914E-06
251	0.40	0.000	0.043	0.0452	2.8107	.6753E-01	.8504E-06
252	0.28	0.000	0.082	0.0478	2.6993	.6681E-01	.8166E-06
253	0.00	0.000	0.072	0.0364	0.7993	.5197E-01	.2416E-06
254	0.00	0.000	0.070	0.0246	2.0331	.6230E-01	.6150E-06
255	0.01	0.000	0.052	0.0157	1.9732	.6206E-01	.5968E-06
256	0.00	0.000	0.060	0.0040	0.1875	.4829E-01	.5654E-07
257	0.39	0.000	0.056	0.0441	0.1711	.4408E-01	.5160E-07
258	0.00	0.000	0.050	0.0193	0.1685	.4340E-01	.5080E-07
259	0.04	0.000	0.059	0.0169	0.1625	.4185E-01	.4899E-07
260	0.05	0.000	0.067	0.0107	0.1697	.4370E-01	.5116E-07
261	0.11	0.000	0.080	0.0117	0.1710	.4405E-01	.5157E-07
262	0.17	0.000	0.067	0.0246	0.1614	.4157E-01	.4866E-07
263	0.01	0.000	0.056	0.0189	0.1621	.4174E-01	.4886E-07
264	0.00	0.000	0.069	0.0102	0.1513	.3897E-01	.4562E-07
265	0.00	0.000	0.057	0.0029	0.1437	.3702E-01	.4334E-07
266	0.00	0.000	0.012	0.0015	0.1467	.3779E-01	.4424E-07
267	0.00	0.000	0.005	0.0005	0.1592	.4101E-01	.4800E-07
268	0.44	0.000	0.050	0.0493	0.1738	.4477E-01	.5242E-07
269	0.00	0.000	0.034	0.0208	0.8223	.5333E-01	.2486E-06
270	0.00	0.000	0.070	0.0097	0.8350	.5392E-01	.2525E-06
271	0.00	0.000	0.037	0.0005	2.7234	.6696E-01	.8239E-06
272	0.00	0.000	0.000	0.0005	2.6538	.6652E-01	.8028E-06
273	0.35	0.000	0.041	0.0391	1.9602	.6201E-01	.5928E-06
274	0.02	0.000	0.036	0.0243	0.1876	.4831E-01	.5656E-07
275	0.00	0.000	0.051	0.0140	0.1679	.4325E-01	.5063E-07
276	0.00	0.000	0.045	0.0039	0.1617	.4164E-01	.4875E-07
277	0.00	0.000	0.014	0.0005	0.1605	.4133E-01	.4838E-07
278	0.50	0.000	0.050	0.0568	0.1643	.4232E-01	.4954E-07
279	0.06	0.000	0.069	0.0281	0.1687	.4345E-01	.5087E-07
280	0.00	0.000	0.050	0.0035	0.1496	.3854E-01	.4511E-07
281	0.00	0.000	0.013	0.0005	0.1417	.3649E-01	.4272E-07

282	0.00	0.000	0.000	0.0005	0.1625	.4185E-01	.4899E-07
283	0.00	0.000	0.000	0.0005	0.1701	.4381E-01	.5128E-07
284	0.01	0.000	0.010	0.0005	0.1443	.3717E-01	.4352E-07
285	0.01	0.000	0.010	0.0005	0.1165	.3000E-01	.3512E-07
286	0.11	0.000	0.035	0.0095	0.1105	.2847E-01	.3333E-07
287	0.63	0.000	0.044	0.0827	0.1240	.3194E-01	.3739E-07
288	0.04	0.000	0.052	0.0390	0.1485	.3824E-01	.4476E-07
289	0.01	0.000	0.033	0.0022	0.1678	.4322E-01	.5060E-07
290	0.00	0.000	0.009	0.0005	2.1068	.6252E-01	.6373E-06
291	0.00	0.000	0.000	0.0005	2.6484	.6648E-01	.8011E-06
292	0.00	0.000	0.000	0.0005	0.7861	.5383E-01	.2376E-06
293	0.02	0.000	0.014	0.0012	0.1725	.4443E-01	.5201E-07
294	0.15	0.000	0.035	0.0153	0.1570	.4043E-01	.4733E-07
295	0.00	0.000	0.023	0.0122	0.1657	.4268E-01	.4997E-07
296 *	0.10	0.000	0.034	0.0146	0.8468	.5293E-01	.2561E-06
297 *	0.31	0.000	0.026	0.0169	2.8393	.6771E-01	.8591E-06
298 *	0.05	0.000	0.028	0.0193	2.8570	.6782E-01	.8644E-06
299	0.01	0.000	0.015	0.0575	2.8678	.6789E-01	.8677E-06
300	0.00	0.000	0.032	0.0275	2.8711	.6791E-01	.8687E-06
301	0.02	0.000	0.048	0.0201	2.8918	.6805E-01	.8750E-06
302	0.38	0.000	0.057	0.0563	2.8599	.6784E-01	.8653E-06
303	0.00	0.000	0.025	0.0201	2.7617	.6721E-01	.8355E-06
304	0.19	0.000	0.053	0.0338	1.4549	.5840E-01	.4400E-06
305	1.02	0.000	0.057	0.1490	2.6619	.6657E-01	.8052E-06
306	0.26	0.000	0.047	0.0887	1.3795	.5684E-01	.4172E-06
307	0.07	0.000	0.052	0.0458	0.1846	.4754E-01	.5566E-07
308	0.10	0.000	0.060	0.0483	0.1888	.4863E-01	.5693E-07
309	0.11	0.000	0.054	0.0518	0.1956	.5039E-01	.5900E-07
310	0.13	0.000	0.058	0.0567	0.1680	.4326E-01	.5065E-07
311	0.10	0.000	0.048	0.0558	0.1237	.3186E-01	.3730E-07
312	0.00	0.000	0.036	0.0467	0.1459	.3758E-01	.4399E-07
313	0.05	0.000	0.056	0.0433	2.3150	.6394E-01	.7005E-06
314	0.27	0.000	0.061	0.0583	3.1042	.6942E-01	.9395E-06
315	0.00	0.000	0.043	0.0394	3.2221	.7017E-01	.9753E-06
316	0.00	0.000	0.036	0.0317	3.2536	.7038E-01	.9849E-06
317	0.00	0.000	0.026	0.0256	3.2160	.7014E-01	.9735E-06
318	0.00	0.000	0.028	0.0189	3.2775	.7053E-01	.9921E-06
319	0.00	0.000	0.037	0.0097	3.3698	.7113E-01	.1020E-05
320	0.00	0.000	0.037	0.0005	3.4569	.7169E-01	.1047E-05
321	0.02	0.000	0.013	0.0012	3.5119	.7204E-01	.1063E-05
322 *	0.05	0.000	0.030	0.0034	3.5211	.7210E-01	.1066E-05
323	0.00	0.000	0.015	0.0006	3.5635	.7237E-01	.1079E-05
324	0.00	0.000	0.000	0.0005	3.6231	.7276E-01	.1097E-05
325 *	0.00	0.000	0.000	0.0005	3.6701	.7306E-01	.1111E-05
326 *	0.12	0.000	0.026	0.0028	3.7072	.7330E-01	.1123E-05
327 *	0.51	0.000	0.017	0.0053	3.7409	.7352E-01	.1133E-05
328 *	0.39	0.000	0.020	0.0077	3.7655	.7367E-01	.1140E-05
329 *	0.03	0.000	0.000	0.0102	3.7830	.7379E-01	.1146E-05
330	0.31	0.000	0.000	0.1624	3.7930	.7385E-01	.1149E-05
331 *	0.17	0.000	0.024	0.0188	3.8058	.7393E-01	.1153E-05
332 *	0.00	0.000	0.024	0.0213	3.7976	.7388E-01	.1150E-05
333	0.42	0.000	0.000	0.0841	3.7116	.7333E-01	.1124E-05
334 *	0.29	0.000	0.025	0.0353	3.5835	.7250E-01	.1085E-05
335 *	0.09	0.000	0.029	0.0064	3.5757	.7245E-01	.1083E-05
336 *	0.02	0.000	0.021	0.0088	3.4896	.7190E-01	.1057E-05
337 *	0.25	0.000	0.024	0.0111	3.4365	.7156E-01	.1040E-05
338 *	0.14	0.000	0.016	0.0136	3.6552	.7296E-01	.1107E-05
339 *	0.07	0.000	0.018	0.0160	3.8867	.7445E-01	.1177E-05
340 *	0.31	0.000	0.000	0.0182	4.0905	.7577E-01	.1239E-05
341 *	0.00	0.000	0.021	0.0206	4.2638	.7688E-01	.1292E-05
342 *	0.04	0.000	0.021	0.0227	4.4053	.7779E-01	.1335E-05
343 *	0.00	0.000	0.026	0.0252	4.5244	.7856E-01	.1371E-05
344 *	0.00	0.000	0.017	0.0252	4.6204	.7918E-01	.1401E-05
345 *	0.00	0.000	0.011	0.0252	4.6947	.7966E-01	.1423E-05
346 *	0.29	0.000	0.009	0.0252	4.7524	.8003E-01	.1441E-05
347 *	0.12	0.000	0.006	0.0252	4.7953	.8031E-01	.1454E-05
348 *	0.41	0.000	0.005	0.0252	4.8252	.8050E-01	.1463E-05
349 *	0.23	0.000	0.000	0.0252	4.8434	.8061E-01	.1469E-05
350 *	0.12	0.000	0.000	0.0252	4.8512	.8067E-01	.1471E-05
351 *	0.24	0.000	0.000	0.0252	4.8497	.8066E-01	.1471E-05
352 *	0.05	0.000	0.000	0.0252	4.8399	.8059E-01	.1468E-05
353 *	0.00	0.000	0.014	0.0252	4.8225	.8048E-01	.1462E-05
354 *	0.03	0.000	0.007	0.0252	4.7984	.8033E-01	.1455E-05
355 *	0.00	0.000	0.008	0.0252	4.7683	.8013E-01	.1446E-05
356 *	0.00	0.000	0.016	0.0252	4.7327	.7990E-01	.1435E-05
357 *	0.02	0.000	0.000	0.0252	4.6922	.7964E-01	.1423E-05
358 *	0.00	0.000	0.000	0.0252	4.6473	.7935E-01	.1409E-05
359 *	0.00	0.000	0.000	0.0252	4.5983	.7904E-01	.1394E-05
360 *	0.00	0.000	0.027	0.0252	4.5457	.7870E-01	.1378E-05
361 *	0.00	0.000	0.027	0.0252	4.4898	.7834E-01	.1361E-05
362 *	0.00	0.000	0.027	0.0321	4.4309	.7796E-01	.1343E-05
363 *	0.00	0.000	0.031	0.0321	4.3693	.7756E-01	.1324E-05

364 * 0.00 0.000 0.032 0.0321 4.3054 .7715E-01 .1305E-05
 365 * * 0.00 0.000 0.023 0.0321 4.2392 .7672E-01 .1285E-05

MONTHLY TOTALS (IN INCHES) FOR YEAR 1991

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

PRECIPITATION	5.32	1.25	3.11	2.14	3.62	1.79
	4.49	1.85	2.89	2.62	4.42	2.43
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	0.294	0.521	0.507	0.263	0.800	0.850
	2.356	1.046	1.386	0.912	0.932	0.437
SUBSURFACE INFLOW INTO LAYER 2	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED FROM LAYER 3	1.8804	0.7418	0.8060	3.3914	7.0614	2.5515
	2.3630	2.2723	1.6474	1.5262	1.9642	2.4198
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	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	2.232	0.103	0.564	9.817	6.783	5.532
	4.162	3.707	1.438	0.991	2.728	4.446
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	1.579	0.010	1.627	0.641	2.548	0.312
	0.228	0.258	1.302	1.180	1.395	0.430

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
PRECIPITATION	35.93	130423.057	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	10.302	37396.702	28.67
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	8.46
DRAINAGE COLLECTED FROM LAYER 3	28.6253	103907.546	79.67
PERC./LEAKAGE THROUGH LAYER 5	0.000394	1.430	0.00
AVG. HEAD ON TOP OF LAYER 4	3.5419		
CHANGE IN WATER STORAGE	0.040	145.110	0.11
SOIL WATER AT START OF YEAR	27.728	100651.717	
SOIL WATER AT END OF YEAR	27.768	100796.827	
SNOW WATER AT START OF YEAR	2.006	7281.615	5.58
SNOW WATER AT END OF YEAR	2.006	7281.615	5.58
ANNUAL WATER BUDGET BALANCE	0.0000	-0.002	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1992

S											
DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK		
I	I			WATER		#1	#1				
R	L	IN.	IN.	IN.	IN./IN.	IN.	IN.	IN.			
-	-	-	-	-	-	-	-	-	-		
1	*	*	0.00	0.000	0.023	0.0321	4.1711	.7629E-01	.1264E-05		
2	*	*	0.04	0.000	0.017	0.0321	4.1012	.7584E-01	.1243E-05		
3	*	*	0.00	0.000	0.017	0.0321	4.0298	.7538E-01	.1221E-05		
4	*	*	0.00	0.000	0.016	0.0321	3.9569	.7491E-01	.1199E-05		
5	*	*	0.00	0.000	0.019	0.0321	3.8827	.7443E-01	.1176E-05		
6	*	*	0.22	0.000	0.000	0.0321	3.8075	.7394E-01	.1153E-05		
7	*	*	0.00	0.000	0.023	0.0321	3.7312	.7345E-01	.1130E-05		
8	*	*	0.08	0.000	0.016	0.0321	3.6541	.7296E-01	.1107E-05		
9	*	*	0.08	0.000	0.010	0.0321	3.5761	.7245E-01	.1083E-05		
10	*	*	0.08	0.000	0.010	0.0321	3.4976	.7195E-01	.1059E-05		
11	*	*	0.00	0.000	0.007	0.0321	3.4184	.7144E-01	.1035E-05		
12	*	*	0.02	0.000	0.011	0.0321	3.3388	.7093E-01	.1011E-05		
13	*	*	0.09	0.000	0.007	0.0321	3.2588	.7041E-01	.9865E-06		
14	*	*	0.04	0.000	0.007	0.0321	3.1784	.6989E-01	.9620E-06		
15	*	*	0.18	0.000	0.008	0.0321	3.0978	.6937E-01	.9376E-06		
16	*	*	0.11	0.000	0.000	0.0321	3.0171	.6885E-01	.9130E-06		
17	*	*	0.45	0.000	0.000	0.0321	2.9361	.6833E-01	.8885E-06		
18	*	*	0.19	0.000	0.000	0.0321	2.8551	.6781E-01	.8639E-06		
19	*	*	0.08	0.000	0.000	0.0321	2.7741	.6729E-01	.8393E-06		
20	*	*	0.02	0.000	0.000	0.0321	2.6931	.6677E-01	.8147E-06		
21	*	*	0.00	0.000	0.018	0.0321	2.6130	.6625E-01	.6089E-06		
22	*	*	0.18	0.000	0.013	0.0321	2.5329	.6574E-01	.5908E-07		
23	*	*	0.55	0.000	0.000	0.0321	2.4547	.6521E-01	.5815E-07		
24	*	*	0.07	0.000	0.012	0.0321	2.3784	.6469E-01	.5620E-07		
25	*	*	0.10	0.000	0.012	0.0321	2.3047	.6417E-01	.5330E-07		
26	*	*	0.06	0.000	0.009	0.0321	2.2330	.6365E-01	.5036E-07		
27	*	*	0.03	0.000	0.000	0.0321	2.1633	.6313E-01	.4763E-07		
28	*	*	0.00	0.000	0.017	0.0321	2.0946	.6261E-01	.4520E-07		
29	*	*	0.00	0.000	0.013	0.0321	2.0278	.6209E-01	.4310E-07		
30	*	*	0.16	0.000	0.011	0.0321	2.1370	.6157E-01	.4130E-07		
31	*	*	0.15	0.000	0.000	0.0321	2.0671	.6105E-01	.3977E-07		
32	*	*	0.00	0.000	0.020	0.0321	2.1276	.6053E-01	.3847E-07		
33	*	*	0.00	0.000	0.016	0.0321	2.1239	.6191E-01	.3735E-07		
34	*	*	0.01	0.000	0.014	0.0321	2.1207	.6109E-01	.3640E-07		
35	*	*	0.00	0.000	0.018	0.0321	2.1180	.6303E-01	.3557E-07		
36	*	*	0.00	0.000	0.015	0.0321	2.1156	.6297E-01	.3484E-07		
37	*	*	0.22	0.000	0.000	0.0321	2.1134	.6292E-01	.3420E-07		
38	*	*	0.19	0.000	0.000	0.0321	2.1115	.6287E-01	.3362E-07		
39	*	*	0.21	0.000	0.000	0.0321	2.1098	.6287E-01	.3310E-07		
40	*	*	0.06	0.000	0.000	0.0321	2.1082	.6278E-01	.3262E-07		
41	*	*	0.25	0.000	0.000	0.0321	2.1067	.6274E-01	.3217E-07		
42	*	*	0.06	0.000	0.000	0.0321	2.1053	.6271E-01	.3176E-07		
43	*	*	0.00	0.000	0.026	0.0321	2.1040	.6268E-01	.3137E-07		
44	*	*	0.09	0.000	0.016	0.0321	2.1028	.6264E-01	.3100E-07		
45	*	*	0.00	0.000	0.011	0.0321	2.1016	.6261E-01	.3064E-07		
46	*	*	0.00	0.000	0.017	0.0321	2.1005	.6258E-01	.3031E-07		
47	*	*	0.00	0.000	0.022	0.0321	2.0994	.6256E-01	.2998E-07		
48	*	*	0.00	0.000	0.012	0.0321	2.0984	.6253E-01	.2967E-07		
49	*	*	0.00	0.000	0.013	0.0321	2.0974	.6250E-01	.2937E-07		
50	*	*	0.00	0.000	0.018	0.0321	2.0965	.6248E-01	.2908E-07		
51	*	*	0.23	0.000	0.000	0.0321	2.0955	.6246E-01	.2880E-07		
52	*	*	0.01	0.000	0.000	0.0321	2.0946	.6243E-01	.2853E-07		
53	*	*	0.03	0.000	0.013	0.0321	2.0937	.6241E-01	.2826E-07		
54	*	*	0.00	0.000	0.018	0.0321	2.0929	.6239E-01	.2800E-07		
55	*	*	0.24	0.000	0.000	0.0321	2.0920	.6237E-01	.2775E-07		
56	*	*	0.05	0.000	0.016	0.0321	2.0912	.6235E-01	.2751E-07		
57	*	*	0.07	0.000	0.015	0.0321	2.0904	.6232E-01	.2727E-07		
58	*	*	0.13	0.000	0.000	0.0321	2.0897	.6231E-01	.2703E-07		
59	*	*	0.17	0.000	0.016	0.0321	2.0889	.6229E-01	.2681E-07		
60	*	*	0.00	0.000	0.013	0.0321	2.0882	.6227E-01	.2659E-07		
61	*	*	0.00	0.000	0.016	0.0321	2.0875	.6225E-01	.2637E-07		

62	*	*	0.01	0.000	0.011	0.0321	0.0868	.2235E-01	.2616E-07
63	*	*	0.00	0.000	0.011	0.0321	0.0861	.2217E-01	.2595E-07
64	*	*	0.00	0.000	0.009	0.0321	0.0854	.2200E-01	.2575E-07
65	*	*	0.05	0.000	0.000	0.0321	0.0848	.2183E-01	.2555E-07
66	*	*	0.28	0.000	0.000	0.0321	0.0841	.2167E-01	.2536E-07
67	*	*	0.00	0.000	0.000	0.0321	0.0835	.2151E-01	.2517E-07
68	*	*	0.20	0.000	0.000	0.0321	0.0829	.2135E-01	.2499E-07
69	*	*	0.15	0.000	0.000	0.0321	0.0823	.2119E-01	.2481E-07
70	*	*	0.08	0.000	0.024	0.0321	0.0817	.2104E-01	.2463E-07
71	*	*	0.00	0.000	0.037	0.0321	0.0811	.2090E-01	.2446E-07
72	*	*	0.00	0.000	0.014	0.0620	0.0806	.2075E-01	.2429E-07
73	*	*	0.00	0.000	0.000	0.1769	0.0800	.2061E-01	.2413E-07
74	*	*	0.00	0.000	0.019	0.1864	0.0795	.2047E-01	.2396E-07
75	*	*	0.00	0.000	0.039	0.1864	0.0790	.2034E-01	.2381E-07
76	*	*	0.00	0.000	0.000	0.2583	0.0784	.2020E-01	.2365E-07
77	*	*	0.00	0.000	0.029	0.2650	0.0779	.2007E-01	.2350E-07
78	*	*	0.00	0.000	0.021	0.2650	0.0774	.1995E-01	.2335E-07
79	*	*	0.00	0.000	0.018	0.2650	0.0770	.1982E-01	.2320E-07
80	*	*	0.00	0.000	0.016	0.2650	0.0765	.1970E-01	.2306E-07
81	*	*	0.00	0.000	0.024	0.2650	0.0760	.1958E-01	.2292E-07
82	*	*	0.00	0.000	0.026	0.2650	0.0756	.1946E-01	.2278E-07
83	*	*	0.00	0.000	0.000	0.3277	0.0751	.1935E-01	.2264E-07
84	*	*	0.00	0.000	0.000	0.3500	0.0731	.1884E-01	.2205E-07
85	*	*	0.08	0.000	0.000	0.3500	0.0693	.1785E-01	.2090E-07
86	*	*	0.08	0.000	0.000	0.3500	0.0709	.1826E-01	.2137E-07
87	*	*	0.00	0.000	0.000	0.3500	0.0741	.1909E-01	.2234E-07
88	*	*	0.00	0.000	0.000	0.3500	0.0816	.2102E-01	.2460E-07
89	*	*	0.00	0.000	0.000	0.3500	0.0761	.1960E-01	.2294E-07
90	*	*	0.00	0.000	0.000	0.3500	0.0554	.1427E-01	.1670E-07
91	*	*	0.00	0.000	0.000	0.3500	0.1241	.3197E-01	.3743E-07
92	*	*	0.02	0.000	0.010	0.3500	3.5238	.7212E-01	.1067E-05
93	*	*	0.00	0.000	0.000	0.3500	3.8011	.7390E-01	.1151E-05
94	*	*	0.01	0.000	0.007	0.3500	4.0144	.7528E-01	.1216E-05
95	*	*	0.00	0.000	0.000	0.3500	4.1934	.7643E-01	.1271E-05
96	*	*	0.00	0.000	0.000	0.3500	4.3369	.7735E-01	.1314E-05
97	*	*	0.02	0.000	0.020	0.3500	4.4539	.7811E-01	.1350E-05
98	*	*	0.20	0.000	0.013	0.3500	4.5491	.7872E-01	.1379E-05
99	*	*	0.00	0.000	0.000	0.3500	4.6355	.7928E-01	.1405E-05
100	*	*	0.00	0.000	0.000	0.3500	4.5987	.7904E-01	.1394E-05
101	*	*	0.10	0.000	0.013	0.3500	4.5647	.7882E-01	.1384E-05
102	*	*	0.00	0.000	0.000	0.3500	4.6086	.7910E-01	.1397E-05
103	*	*	0.00	0.000	0.000	0.3500	4.5768	.7890E-01	.1387E-05
104	*	*	0.00	0.000	0.000	0.3500	4.5450	.7869E-01	.1378E-05
105	*	*	0.00	0.000	0.000	0.3500	4.5431	.7868E-01	.1377E-05
106	*	*	0.00	0.000	0.000	0.3500	4.5509	.7873E-01	.1380E-05
107	*	*	0.00	0.000	0.000	0.3500	4.5584	.7878E-01	.1382E-05
108	*	*	0.00	0.000	0.000	0.3500	4.5619	.7880E-01	.1383E-05
109	*	*	0.00	0.000	0.000	0.3500	4.5601	.7879E-01	.1382E-05
110	*	*	0.26	0.000	0.047	0.3500	4.5525	.7874E-01	.1380E-05
111	*	*	0.27	0.000	0.061	0.3500	4.5389	.7865E-01	.1376E-05
112	*	*	0.13	0.000	0.013	0.3500	4.5424	.7868E-01	.1377E-05
113	*	*	0.13	0.000	0.013	0.3500	4.4767	.7825E-01	.1357E-05
114	*	*	0.01	0.000	0.007	0.3500	4.3687	.7756E-01	.1324E-05
115	*	*	0.01	0.000	0.007	0.3500	4.2187	.7659E-01	.1278E-05
116	*	*	0.00	0.000	0.000	0.3500	4.0742	.7566E-01	.1234E-05
117	*	*	0.00	0.000	0.027	0.0005	4.0301	.7538E-01	.1221E-05
118	*	*	0.00	0.000	0.000	0.0005	4.4056	.7780E-01	.1335E-05
119	*	*	0.07	0.000	0.021	0.0066	5.3372	.8379E-01	.1619E-05
120	*	*	0.00	0.000	0.035	0.0023	6.0854	.8861E-01	.1848E-05
121	*	*	0.00	0.000	0.008	0.0013	6.6342	.9215E-01	.2016E-05
122	*	*	0.07	0.000	0.025	0.0066	7.0462	.9480E-01	.2142E-05
123	*	*	0.16	0.000	0.115	0.0086	7.3586	.9681E-01	.2237E-05
124	*	*	0.07	0.000	0.104	0.0076	7.7099	.9907E-01	.2345E-05
125	*	*	0.00	0.000	0.031	0.0037	8.3369	.1031	.2537E-05
126	*	*	0.00	0.000	0.015	0.0015	8.5458	.1045	.2602E-05
127	*	*	0.00	0.000	0.004	0.0005	8.6319	.1050	.2628E-05
128	*	*	0.00	0.000	0.000	0.0005	8.6820	.1053	.2643E-05
129	*	*	0.00	0.000	0.000	0.0005	8.7167	.1056	.2654E-05
130	*	*	0.00	0.000	0.000	0.0005	8.7309	.1057	.2658E-05
131	*	*	0.00	0.000	0.000	0.0005	8.7272	.1056	.2657E-05
132	*	*	0.93	0.000	0.027	0.1133	8.7081	.1055	.2651E-05
133	*	*	0.03	0.000	0.073	0.0520	8.6759	.1053	.2642E-05
134	*	*	0.00	0.000	0.032	0.0010	8.6422	.1051	.2631E-05
135	*	*	0.00	0.000	0.002	0.0005	8.5713	.1046	.2609E-05
136	*	*	0.00	0.000	0.000	0.0005	8.3852	.1034	.2552E-05
137	*	*	0.31	0.000	0.054	0.0028	8.2075	.1023	.2498E-05
138	*	*	0.23	0.000	0.064	0.0529	8.1137	.1017	.2469E-05
139	*	*	0.00	0.000	0.070	0.0190	8.0551	.1013	.2451E-05
140	*	*	0.00	0.000	0.113	0.0046	8.0215	.1011	.2441E-05
141	*	*	0.00	0.000	0.017	0.0005	7.9087	.1004	.2406E-05
142	*	*	0.00	0.000	0.000	0.0005	7.7702	.9946E-01	.2364E-05
143	*	*	0.40	0.000	0.061	0.0429	7.6552	.9872E-01	.2328E-05

144	0.00	0.000	0.085	0.0248	7.5778	.9822E-01	.2305E-05
145	0.00	0.000	0.042	0.0148	7.5265	.9789E-01	.2289E-05
146	0.00	0.000	0.032	0.0066	7.4852	.9763E-01	.2276E-05
147	0.00	0.000	0.028	0.0005	7.4098	.9714E-01	.2253E-05
148	0.00	0.000	0.000	0.0005	7.3091	.9649E-01	.2222E-05
149	0.00	0.000	0.000	0.0005	7.1813	.9567E-01	.2183E-05
150	0.00	0.000	0.000	0.0005	7.0793	.9501E-01	.2152E-05
151	0.00	0.000	0.000	0.0005	6.9999	.9450E-01	.2128E-05
152	0.00	0.000	0.000	0.0005	6.9303	.9405E-01	.2106E-05
153	0.00	0.000	0.000	0.0005	6.8637	.9362E-01	.2086E-05
154	0.00	0.000	0.000	0.0005	6.7969	.9319E-01	.2065E-05
155	0.00	0.000	0.000	0.0005	6.7285	.9275E-01	.2045E-05
156	0.00	0.000	0.000	0.0005	6.6580	.9230E-01	.2023E-05
157	0.00	0.000	0.000	0.0005	6.5851	.9183E-01	.2001E-05
158	0.14	0.000	0.020	0.0155	6.5096	.9134E-01	.1978E-05
159	0.01	0.000	0.019	0.0144	6.4317	.9084E-01	.1954E-05
160	0.00	0.000	0.015	0.0125	6.3514	.9033E-01	.1929E-05
161	0.00	0.000	0.016	0.0094	6.2677	.8979E-01	.1904E-05
162	0.00	0.000	0.015	0.0069	6.1870	.8927E-01	.1879E-05
163	0.00	0.000	0.011	0.0044	6.1045	.8874E-01	.1854E-05
164	0.00	0.000	0.016	0.0023	6.0235	.8821E-01	.1829E-05
165	0.00	0.000	0.007	0.0005	5.9339	.8764E-01	.1802E-05
166	0.00	0.000	0.000	0.0005	5.8422	.8705E-01	.1774E-05
167	0.21	0.000	0.021	0.0242	5.7448	.8642E-01	.1744E-05
168	0.00	0.000	0.015	0.0223	5.6448	.8578E-01	.1713E-05
169	0.34	0.000	0.030	0.0609	5.5437	.8512E-01	.1682E-05
170	0.28	0.000	0.177	0.0561	5.4429	.8448E-01	.1652E-05
171	0.00	0.000	0.158	0.0337	5.3581	.8393E-01	.1626E-05
172	0.00	0.000	0.167	0.0086	5.2592	.8329E-01	.1596E-05
173	0.00	0.000	0.033	0.0005	5.1298	.8246E-01	.1556E-05
174	0.00	0.000	0.000	0.0005	5.0191	.8175E-01	.1522E-05
175	0.06	0.000	0.017	0.0059	4.8814	.8086E-01	.1480E-05
176	0.00	0.000	0.021	0.0032	4.7267	.7986E-01	.1433E-05
177	0.00	0.000	0.017	0.0005	4.5756	.7889E-01	.1387E-05
178	0.00	0.000	0.000	0.0005	4.4467	.7806E-01	.1348E-05
179	0.00	0.000	0.000	0.0005	4.3343	.7734E-01	.1314E-05
180	0.57	0.000	0.042	0.0664	4.2286	.7666E-01	.1281E-05
181	0.00	0.000	0.099	0.0221	4.1284	.7601E-01	.1251E-05
182	0.00	0.000	0.028	0.0151	4.0478	.7549E-01	.1226E-05
183	1.00	0.000	0.066	0.1286	3.9709	.7500E-01	.1203E-05
184	1.44	0.000	0.240	0.1848	3.8616	.7429E-01	.1170E-05
185	0.03	0.000	0.143	0.0479	3.7468	.7355E-01	.1135E-05
186	0.05	0.000	0.184	0.0020	3.6296	.7280E-01	.1099E-05
187	0.02	0.000	0.028	0.0007	3.5057	.7200E-01	.1061E-05
188	0.00	0.000	0.000	0.0005	3.3635	.7109E-01	.1018E-05
189	0.00	0.000	0.000	0.0005	3.2916	.7062E-01	.9964E-06
190	0.04	0.000	0.020	0.0028	3.4539	.7167E-01	.1046E-05
191	0.00	0.000	0.014	0.0005	3.6372	.7285E-01	.1101E-05
192	0.47	0.000	0.055	0.0524	3.8017	.7391E-01	.1152E-05
193	0.00	0.000	0.122	0.0120	3.9340	.7476E-01	.1192E-05
194	0.08	0.000	0.064	0.0140	4.0499	.7550E-01	.1227E-05
195	0.01	0.000	0.080	0.0048	4.0259	.7535E-01	.1220E-05
196	0.00	0.000	0.018	0.0016	4.0266	.7535E-01	.1220E-05
197	0.68	0.000	0.081	0.0759	4.0848	.7573E-01	.1238E-05
198	0.09	0.000	0.171	0.0296	4.1393	.7608E-01	.1254E-05
199	0.00	0.000	0.146	0.0026	4.2018	.7648E-01	.1273E-05
200	0.00	0.000	0.013	0.0005	4.1772	.7632E-01	.1266E-05
201	0.03	0.000	0.029	0.0005	4.0510	.7551E-01	.1227E-05
202	0.00	0.000	0.000	0.0005	4.0268	.7536E-01	.1220E-05
203	0.01	0.000	0.010	0.0005	4.0741	.7566E-01	.1234E-05
204	0.00	0.000	0.000	0.0005	4.1316	.7603E-01	.1252E-05
205	0.00	0.000	0.000	0.0005	4.1843	.7637E-01	.1268E-05
206	0.00	0.000	0.000	0.0005	4.2285	.7666E-01	.1281E-05
207	0.08	0.000	0.026	0.0072	4.2633	.7688E-01	.1292E-05
208	0.00	0.000	0.037	0.0026	4.2885	.7704E-01	.1300E-05
209	0.00	0.000	0.009	0.0015	4.3047	.7715E-01	.1305E-05
210	0.17	0.000	0.074	0.0130	4.3121	.7719E-01	.1307E-05
211	0.00	0.000	0.053	0.0064	4.3165	.7722E-01	.1308E-05
212	0.00	0.000	0.030	0.0019	4.3081	.7717E-01	.1306E-05
213	0.00	0.000	0.006	0.0005	4.2941	.7708E-01	.1301E-05
214	0.02	0.000	0.020	0.0005	4.2792	.7698E-01	.1297E-05
215	0.00	0.000	0.000	0.0005	4.2510	.7680E-01	.1288E-05
216	0.00	0.000	0.000	0.0005	4.2165	.7658E-01	.1278E-05
217	0.00	0.000	0.000	0.0005	4.1778	.7633E-01	.1266E-05
218	0.00	0.000	0.000	0.0005	4.1357	.7606E-01	.1253E-05
219	0.00	0.000	0.000	0.0005	4.0903	.7577E-01	.1239E-05
220	0.30	0.000	0.078	0.0283	4.0420	.7545E-01	.1225E-05
221	0.04	0.000	0.102	0.0202	3.9905	.7512E-01	.1209E-05
222	0.00	0.000	0.119	0.0051	3.9380	.7478E-01	.1193E-05
223	0.00	0.000	0.019	0.0027	3.8821	.7442E-01	.1176E-05
224	0.00	0.000	0.009	0.0005	3.8241	.7405E-01	.1158E-05
225	0.00	0.000	0.000	0.0005	3.7658	.7368E-01	.1141E-05

226	0.00	0.000	0.000	0.0005	3.7033	.7327E-01	.1122E-05
227	0.00	0.000	0.000	0.0005	3.6379	.7285E-01	.1102E-05
228	0.00	0.000	0.000	0.0005	3.5710	.7242E-01	.1081E-05
229	0.00	0.000	0.000	0.0005	3.5029	.7198E-01	.1061E-05
230	0.17	0.000	0.054	0.0148	3.4335	.7154E-01	.1040E-05
231	0.01	0.000	0.070	0.0072	3.3640	.7109E-01	.1018E-05
232	0.00	0.000	0.035	0.0023	3.2936	.7064E-01	.9970E-06
233	0.00	0.000	0.009	0.0010	3.2223	.7018E-01	.9754E-06
234	0.01	0.000	0.011	0.0005	3.1501	.6971E-01	.9534E-06
235	0.00	0.000	0.000	0.0005	3.0799	.6926E-01	.9321E-06
236	0.00	0.000	0.000	0.0005	3.0067	.6879E-01	.9099E-06
237	0.01	0.000	0.010	0.0005	2.9321	.6831E-01	.8872E-06
238	0.39	0.000	0.051	0.0428	2.8570	.6782E-01	.8644E-06
239	0.00	0.000	0.087	0.0255	2.7814	.6734E-01	.8415E-06
240	0.00	0.000	0.155	0.0024	2.7051	.6685E-01	.8183E-06
241	0.00	0.000	0.009	0.0005	2.0282	.6248E-01	.6135E-06
242	0.15	0.000	0.060	0.0118	0.7919	.5410E-01	.2394E-06
243	0.31	0.000	0.064	0.0425	0.1960	.5049E-01	.5911E-07
244	0.00	0.000	0.142	0.0247	0.1932	.4977E-01	.5826E-07
245	0.00	0.000	0.057	0.0176	0.1846	.4756E-01	.5568E-07
246	0.41	0.000	0.075	0.0573	0.1746	.4498E-01	.5265E-07
247	0.00	0.000	0.100	0.0169	0.1618	.4168E-01	.4879E-07
248	0.00	0.000	0.096	0.0043	0.1427	.3675E-01	.4302E-07
249	0.44	0.000	0.096	0.0462	0.1338	.3446E-01	.4034E-07
250	0.06	0.000	0.074	0.0218	0.1372	.3534E-01	.4137E-07
251	0.12	0.000	0.107	0.0205	0.1408	.3627E-01	.4246E-07
252	0.03	0.000	0.099	0.0078	0.1341	.3454E-01	.4043E-07
253	0.07	0.000	0.058	0.0087	0.1298	.3344E-01	.3915E-07
254	0.01	0.000	0.049	0.0028	0.1282	.3302E-01	.3866E-07
255	0.00	0.000	0.010	0.0016	0.1256	.3236E-01	.3788E-07
256	0.00	0.000	0.004	0.0005	0.1216	.3132E-01	.3666E-07
257	0.04	0.000	0.026	0.0020	0.1142	.2941E-01	.3443E-07
258	0.00	0.000	0.008	0.0009	0.1018	.2621E-01	.3068E-07
259	0.00	0.000	0.001	0.0005	0.0874	.2252E-01	.2636E-07
260	0.80	0.000	0.044	0.0950	0.0710	.1830E-01	.2142E-07
261	0.27	0.000	0.077	0.0724	0.0615	.1584E-01	.1854E-07
262	0.11	0.000	0.080	0.0319	0.0540	.1391E-01	.1628E-07
263	0.00	0.000	0.077	0.0222	0.0541	.1394E-01	.1631E-07
264	0.00	0.000	0.068	0.0136	0.0694	.1787E-01	.2092E-07
265	0.00	0.000	0.044	0.0081	0.0917	.2363E-01	.2766E-07
266	0.02	0.000	0.054	0.0029	0.1041	.2683E-01	.3140E-07
267	0.00	0.000	0.013	0.0005	0.0988	.2544E-01	.2978E-07
268	0.00	0.000	0.000	0.0005	0.0758	.1952E-01	.2285E-07
269	0.00	0.000	0.000	0.0005	0.0666	.1715E-01	.2007E-07
270	0.67	0.000	0.054	0.0775	0.0680	.1751E-01	.2050E-07
271	0.38	0.000	0.063	0.0792	0.0774	.1994E-01	.2334E-07
272	0.03	0.000	0.057	0.0234	0.0846	.2178E-01	.2549E-07
273	0.00	0.000	0.057	0.0130	0.1104	.2843E-01	.3328E-07
274	0.00	0.000	0.028	0.0057	0.1441	.3713E-01	.4347E-07
275	0.00	0.000	0.021	0.0005	0.1670	.4301E-01	.5035E-07
276	0.00	0.000	0.000	0.0005	0.1624	.4184E-01	.4898E-07
277	0.00	0.000	0.000	0.0005	0.1445	.3723E-01	.4358E-07
278	0.00	0.000	0.000	0.0005	0.1147	.2955E-01	.3459E-07
279	0.00	0.000	0.000	0.0005	0.1022	.2633E-01	.3082E-07
280	0.00	0.000	0.000	0.0005	0.1134	.2922E-01	.3420E-07
281	0.85	0.000	0.042	0.1014	0.1388	.3574E-01	.4184E-07
282	0.02	0.000	0.035	0.0495	0.1679	.4326E-01	.5064E-07
283	0.39	0.000	0.040	0.0459	0.8424	.5270E-01	.2547E-06
284	0.03	0.000	0.041	0.0222	2.7868	.6737E-01	.8431E-06
285	0.00	0.000	0.047	0.0132	2.7136	.6690E-01	.8209E-06
286	0.00	0.000	0.054	0.0013	2.5990	.6616E-01	.7861E-06
287	0.04	0.000	0.023	0.0029	1.3405	.5734E-01	.4053E-06
288	0.07	0.000	0.032	0.0076	0.1648	.4246E-01	.4970E-07
289	0.00	0.000	0.038	0.0026	0.1290	.3323E-01	.3890E-07
290	0.45	0.000	0.058	0.0516	0.1364	.3513E-01	.4112E-07
291	0.04	0.000	0.059	0.0233	0.8633	.5048E-01	.2611E-06
292	0.00	0.000	0.053	0.0067	2.9945	.6871E-01	.9062E-06
293	0.00	0.000	0.026	0.0005	2.9947	.6871E-01	.9062E-06
294	0.33	0.000	0.036	0.0373	2.8932	.6806E-01	.8754E-06
295	0.00	0.000	0.021	0.0264	2.8398	.6771E-01	.8592E-06
296	0.00	0.000	0.024	0.0180	2.2205	.6368E-01	.6718E-06
297	0.00	0.000	0.033	0.0097	2.9399	.6836E-01	.8896E-06
298	0.00	0.000	0.035	0.0006	2.9491	.6842E-01	.8924E-06
299	0.00	0.000	0.001	0.0005	2.9602	.6849E-01	.8958E-06
300	0.00	0.000	0.000	0.0005	2.9401	.6836E-01	.8897E-06
301	0.00	0.000	0.000	0.0005	2.9473	.6841E-01	.8919E-06
302 *	0.00	0.000	0.000	0.0005	2.9761	.6859E-01	.9006E-06
303 *	0.00	0.000	0.000	0.0005	3.0093	.6880E-01	.9107E-06
304 *	0.00	0.000	0.000	0.0005	3.0400	.6900E-01	.9200E-06
305	0.00	0.000	0.000	0.0005	3.0655	.6917E-01	.9277E-06
306 *	0.00	0.000	0.000	0.0005	3.0850	.6929E-01	.9337E-06
307 *	0.46	0.000	0.027	0.0028	3.0978	.6937E-01	.9376E-06

308	0.11	0.000	0.000	0.0677	3.1064	.6943E-01	.9402E-06
309	0.13	0.000	0.046	0.0448	3.1089	.6945E-01	.9409E-06
310	0.09	0.000	0.043	0.0199	3.1244	.6955E-01	.9456E-06
311	0.06	0.000	0.038	0.0226	3.0981	.6938E-01	.9376E-06
312	0.00	0.000	0.031	0.0187	2.9882	.6867E-01	.9043E-06
313 *	0.00	0.000	0.000	0.0187	2.8646	.6787E-01	.8667E-06
314	0.00	0.000	0.025	0.0149	2.8091	.6752E-01	.8499E-06
315	0.12	0.000	0.042	0.0240	2.8077	.6751E-01	.8495E-06
316	0.00	0.000	0.022	0.0208	2.8210	.6759E-01	.8535E-06
317 *	0.18	0.000	0.022	0.0231	2.8292	.6764E-01	.8560E-06
318 *	0.04	0.000	0.027	0.0255	2.8299	.6765E-01	.8562E-06
319	0.01	0.000	0.023	0.0404	2.8259	.6762E-01	.8550E-06
320	0.00	0.000	0.029	0.0367	2.8185	.6758E-01	.8527E-06
321 *	0.04	0.000	0.033	0.0376	2.8086	.6751E-01	.8497E-06
322 *	0.00	0.000	0.021	0.0331	2.7946	.6742E-01	.8455E-06
323	0.00	0.000	0.025	0.0271	2.7815	.6734E-01	.8415E-06
324	0.00	0.000	0.023	0.0217	2.7716	.6727E-01	.8385E-06
325	0.82	0.000	0.042	0.1179	2.7603	.6720E-01	.8351E-06
326	0.44	0.000	0.043	0.0998	2.1037	.6290E-01	.6364E-06
327 *	0.00	0.000	0.000	0.0262	2.1036	.6282E-01	.6364E-06
328 *	0.00	0.000	0.000	0.0007	2.6873	.6673E-01	.8129E-06
329 *	0.00	0.000	0.001	0.0005	2.0095	.6232E-01	.6078E-06
330 *	0.00	0.000	0.000	0.0005	1.9316	.6186E-01	.5842E-06
331	0.00	0.000	0.000	0.0005	0.1932	.4977E-01	.5827E-07
332	0.00	0.000	0.000	0.0005	0.1571	.4047E-01	.4737E-07
333	0.00	0.000	0.000	0.0005	0.1177	.3033E-01	.3550E-07
334	0.00	0.000	0.000	0.0005	0.1276	.3287E-01	.3848E-07
335	0.00	0.000	0.000	0.0005	0.1758	.4528E-01	.5301E-07
336	0.00	0.000	0.000	0.0005	2.9932	.6870E-01	.9058E-06
337	0.11	0.000	0.029	0.0106	3.0546	.6910E-01	.9244E-06
338 *	0.08	0.000	0.030	0.0128	3.1048	.6942E-01	.9397E-06
339 *	0.17	0.000	0.019	0.0152	3.1454	.6968E-01	.9520E-06
340 *	0.01	0.000	0.026	0.0177	3.1772	.6989E-01	.9617E-06
341 *	0.00	0.000	0.027	0.0199	3.1977	.7002E-01	.9679E-06
342 *	0.00	0.000	0.013	0.0224	3.2122	.7011E-01	.9723E-06
343 *	0.00	0.000	0.008	0.0245	3.2171	.7014E-01	.9738E-06
344 *	0.08	0.000	0.007	0.0270	3.2154	.7013E-01	.9733E-06
345 **	0.03	0.000	0.010	0.0270	3.2088	.7009E-01	.9713E-06
346 **	0.00	0.000	0.007	0.0270	3.1950	.7000E-01	.9671E-06
347 **	0.00	0.000	0.008	0.0270	3.1762	.6988E-01	.9614E-06
348 **	0.00	0.000	0.012	0.0270	3.1529	.6973E-01	.9543E-06
349 **	0.11	0.000	0.009	0.0270	3.1255	.6955E-01	.9460E-06
350 **	0.47	0.000	0.011	0.0270	3.0944	.6935E-01	.9365E-06
351 *	0.53	0.000	0.017	0.0270	3.0600	.6913E-01	.9261E-06
352 **	0.16	0.000	0.012	0.0270	3.0223	.6889E-01	.9146E-06
353 *	0.16	0.000	0.009	0.0270	2.9818	.6863E-01	.9023E-06
354 **	0.05	0.000	0.011	0.0270	2.9387	.6835E-01	.8892E-06
355 **	0.07	0.000	0.013	0.0270	2.8931	.6806E-01	.8754E-06
356 **	0.05	0.000	0.000	0.0270	2.8454	.6775E-01	.8609E-06
357 **	0.15	0.000	0.000	0.0270	2.7956	.6743E-01	.8458E-06
358 **	0.14	0.000	0.000	0.0270	2.7440	.6710E-01	.8301E-06
359 **	0.16	0.000	0.015	0.0270	2.6907	.6675E-01	.8140E-06
360 **	0.22	0.000	0.012	0.0270	1.4193	.5842E-01	.4292E-06
361 **	0.09	0.000	0.009	0.0270	0.7981	.5409E-01	.2413E-06
362 **	0.01	0.000	0.007	0.0270	0.1936	.4986E-01	.5837E-07
363 **	0.01	0.000	0.000	0.0270	0.1918	.4939E-01	.5783E-07
364 **	0.07	0.000	0.000	0.0270	0.1878	.4837E-01	.5663E-07
365 **	0.16	0.000	0.000	0.0270	0.1830	.4713E-01	.5518E-07
366 **	0.21	0.000	0.000	0.0270	0.1780	.4584E-01	.5367E-07

MONTHLY TOTALS (IN INCHES) FOR YEAR 1992

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

PRECIPITATION	2.98	2.02	0.93	1.23	2.20	1.61
	4.20	1.41	3.46	2.22	2.50	3.30

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	0.297	0.309	0.314	0.300	0.995	0.943
	1.719	1.104	1.575	0.720	0.564	0.320

SUBSURFACE INFLOW INTO	0.2580	0.2414	0.2580	0.2497	0.2580	0.2497
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LAYER 2	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED FROM LAYER 3	1.9174	0.7672	0.6397	2.3614	3.1209	2.5633
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 4	2.343	0.103	0.080	4.548	7.958	5.593
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	1.593	0.011	0.010	0.590	0.618	0.878

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
PRECIPITATION	28.06	101855.580	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.161	33252.321	32.65
SUBSURFACE INFLOW INTO LAYER 2	3.046331	11057.941	10.86
DRAINAGE COLLECTED FROM LAYER 3	22.3122	80991.395	79.52
PERC./LEAKAGE THROUGH LAYER 5	0.000320	1.162	0.00
AVG. HEAD ON TOP OF LAYER 4	2.8720		
CHANGE IN WATER STORAGE	-0.367	-1331.355	-1.31
SOIL WATER AT START OF YEAR	27.768	100796.827	
SOIL WATER AT END OF YEAR	26.646	96722.784	
SNOW WATER AT START OF YEAR	2.006	7281.615	7.15
SNOW WATER AT END OF YEAR	2.762	10024.303	9.84
ANNUAL WATER BUDGET BALANCE	0.0000	-0.002	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1993

S	DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK
	I	I		WATER	#1	#1	#1			
	R	L	IN.	IN.	IN./IN.	IN.	IN.	IN.		
1	*	*	0.21	0.000	0.000	0.0270	0.1731	.4458E-01	.5219E-07	
2	*	*	0.24	0.000	0.020	0.0270	0.1685	.4339E-01	.5080E-07	
3	*	*	0.08	0.000	0.000	0.0270	0.1642	.4228E-01	.4950E-07	
4	*	*	0.01	0.000	0.016	0.0270	0.1602	.4126E-01	.4830E-07	

5	*	*	0.02	0.000	0.018	0.0270	0.1565	.4031E-01	.4719E-07
6	*	*	0.05	0.000	0.018	0.0270	0.1531	.3943E-01	.4616E-07
7	*	*	0.28	0.000	0.012	0.0270	0.1499	.3861E-01	.4520E-07
8	*	*	0.20	0.000	0.009	0.0270	0.1469	.3784E-01	.4430E-07
9	*	*	0.02	0.000	0.012	0.0270	0.1441	.3712E-01	.4345E-07
10	*	*	0.00	0.000	0.020	0.0270	0.1415	.3644E-01	.4266E-07
11	*	*	0.00	0.000	0.019	0.0270	0.1390	.3580E-01	.4190E-07
12	*	*	0.00	0.000	0.017	0.0270	0.1366	.3518E-01	.4119E-07
13	*	*	0.12	0.000	0.000	0.0270	0.1343	.3460E-01	.4050E-07
14	*	*	0.04	0.000	0.000	0.0270	0.1322	.3404E-01	.3985E-07
15	*	*	0.05	0.000	0.000	0.0270	0.1301	.3351E-01	.3923E-07
16	*	*	0.17	0.000	0.000	0.0270	0.1281	.3300E-01	.3863E-07
17	*	*	0.02	0.000	0.017	0.0270	0.1262	.3251E-01	.3805E-07
18	*	*	0.09	0.000	0.016	0.0270	0.1244	.3203E-01	.3750E-07
19	*	*	0.04	0.000	0.000	0.0270	0.1226	.3158E-01	.3696E-07
20	*	*	0.00	0.000	0.020	0.0270	0.1209	.3114E-01	.3645E-07
21	*	*	0.00	0.000	0.021	0.0270	0.1192	.3071E-01	.3595E-07
22	*	*	0.38	0.000	0.016	0.0270	0.1177	.3030E-01	.3547E-07
23	*	*	0.09	0.000	0.000	0.0270	0.1161	.2991E-01	.3501E-07
24	*	*	0.28	0.000	0.014	0.0270	0.1146	.2953E-01	.3456E-07
25	*	*	0.03	0.000	0.012	0.0270	0.1132	.2915E-01	.3413E-07
26	*	*	0.04	0.000	0.012	0.0270	0.1118	.2880E-01	.3371E-07
27	*	*	0.37	0.000	0.000	0.0270	0.1104	.2845E-01	.3330E-07
28	*	*	0.01	0.000	0.014	0.0270	0.1091	.2811E-01	.3291E-07
29	*	*	0.34	0.000	0.000	0.0270	0.1079	.2778E-01	.3252E-07
30	*	*	0.12	0.000	0.000	0.0270	0.1066	.2747E-01	.3215E-07
31	*	*	0.00	0.000	0.028	0.0270	0.1054	.2716E-01	.3179E-07
32	*	*	0.00	0.000	0.027	0.0270	0.1043	.2686E-01	.3144E-07
33	*	*	0.00	0.000	0.020	0.0270	0.1032	.2657E-01	.3110E-07
34	*	*	0.00	0.000	0.021	0.0270	0.1021	.2629E-01	.3077E-07
35	*	*	0.00	0.000	0.019	0.0270	0.1010	.2601E-01	.3045E-07
36	*	*	0.00	0.000	0.027	0.0270	0.1000	.2575E-01	.3014E-07
37	*	*	0.02	0.000	0.020	0.0270	0.0989	.2549E-01	.2983E-07
38	*	*	0.02	0.000	0.000	0.0270	0.0980	.2523E-01	.2954E-07
39	*	*	0.03	0.000	0.017	0.0270	0.0970	.2499E-01	.2925E-07
40	*	*	0.00	0.000	0.026	0.0270	0.0961	.2475E-01	.2897E-07
41	*	*	0.00	0.000	0.023	0.0270	0.0952	.2452E-01	.2870E-07
42	*	*	0.00	0.000	0.028	0.0270	0.0943	.2429E-01	.2843E-07
43	*	*	0.03	0.000	0.000	0.0270	0.0934	.2407E-01	.2817E-07
44	*	*	0.00	0.000	0.024	0.0270	0.0926	.2385E-01	.2792E-07
45	*	*	0.01	0.000	0.000	0.0270	0.0918	.2364E-01	.2767E-07
46	*	*	0.04	0.000	0.018	0.0270	0.0910	.2343E-01	.2743E-07
47	*	*	0.08	0.000	0.016	0.0270	0.0902	.2323E-01	.2720E-07
48	*	*	0.04	0.000	0.020	0.0270	0.0894	.2304E-01	.2697E-07
49	*	*	0.38	0.000	0.015	0.0270	0.0887	.2285E-01	.2674E-07
50	*	*	0.34	0.000	0.015	0.0270	0.0880	.2266E-01	.2652E-07
51	*	*	0.01	0.000	0.016	0.0270	0.0873	.2248E-01	.2631E-07
52	*	*	0.00	0.000	0.024	0.0270	0.0866	.2230E-01	.2610E-07
53	*	*	0.00	0.000	0.018	0.0270	0.0859	.2213E-01	.2590E-07
54	*	*	0.03	0.000	0.014	0.0270	0.0852	.2196E-01	.2570E-07
55	*	*	0.09	0.000	0.015	0.0270	0.0846	.2179E-01	.2550E-07
56	*	*	0.02	0.000	0.000	0.0270	0.0840	.2163E-01	.2531E-07
57	*	*	0.00	0.000	0.027	0.0270	0.0833	.2147E-01	.2513E-07
58	*	*	0.00	0.000	0.029	0.0270	0.0827	.2131E-01	.2495E-07
59	*	*	0.00	0.000	0.024	0.0270	0.0821	.2116E-01	.2477E-07
60	*	*	0.00	0.000	0.020	0.0270	0.0816	.2101E-01	.2459E-07
61	*	*	0.00	0.000	0.014	0.0270	0.0810	.2086E-01	.2442E-07
62	*	*	0.00	0.000	0.000	0.0270	0.0804	.2072E-01	.2425E-07
63	*	*	0.00	0.000	0.023	0.0270	0.0799	.2058E-01	.2409E-07
64	*	*	0.00	0.000	0.016	0.0270	0.0794	.2044E-01	.2393E-07
65	*	*	0.00	0.000	0.029	0.0270	0.0789	.2031E-01	.2377E-07
66	*	*	0.00	0.000	0.024	0.0270	0.0783	.2018E-01	.2362E-07
67	*	*	0.13	0.000	0.024	0.0270	0.0778	.2005E-01	.2347E-07
68	*	*	0.05	0.000	0.000	0.0270	0.0773	.1992E-01	.2332E-07
69	*	*	0.01	0.000	0.025	0.0270	0.0769	.1980E-01	.2317E-07
70	*	*	0.06	0.000	0.016	0.0270	0.0764	.1968E-01	.2303E-07
71	*	*	0.00	0.000	0.008	0.0270	0.0759	.1956E-01	.2289E-07
72	*	*	0.05	0.000	0.000	0.0270	0.0755	.1944E-01	.2276E-07
73	*	*	0.04	0.000	0.015	0.0270	0.0750	.1933E-01	.2262E-07
74	*	*	0.00	0.000	0.020	0.0270	0.0746	.1921E-01	.2249E-07
75	*	*	0.00	0.000	0.017	0.0270	0.0742	.1910E-01	.2236E-07
76	*	*	0.30	0.000	0.000	0.0270	0.0737	.1899E-01	.2223E-07
77	*	*	0.04	0.000	0.000	0.0270	0.0733	.1889E-01	.2211E-07
78	*	*	0.00	0.000	0.025	0.0270	0.0729	.1878E-01	.2199E-07
79	*	*	0.03	0.000	0.000	0.0270	0.0725	.1868E-01	.2187E-07
80	*	*	0.01	0.000	0.022	0.0270	0.0721	.1858E-01	.2175E-07
81	*	*	0.00	0.000	0.033	0.0270	0.0717	.1848E-01	.2163E-07
82	*	*	0.00	0.000	0.025	0.0270	0.0714	.1838E-01	.2152E-07
83	*	*	0.00	0.000	0.000	0.0270	0.0710	.1829E-01	.2141E-07
84	*	*	0.00	0.000	0.036	0.0270	0.0706	.1819E-01	.2130E-07
85	*	*	0.00	0.000	0.029	0.0270	0.0703	.1810E-01	.2119E-07
86	*	*	0.00	0.000	0.022	0.0270	0.0699	.1801E-01	.2108E-07

87	*	*	0.00	0.000	0.016	0.0270	0.0696	.1792E-01	.2098E-07
88	*	*	0.00	0.000	0.032	0.0270	0.0692	.1783E-01	.2087E-07
89	*	*	0.00	0.000	0.033	0.0270	0.0689	.1775E-01	.2077E-07
90	*	*	0.00	0.000	0.036	0.0270	0.0686	.1766E-01	.2067E-07
91	*	*	0.04	0.000	0.000	0.0270	0.0682	.1758E-01	.2058E-07
92	*	*	0.00	0.000	0.040	0.0270	0.0679	.1750E-01	.2048E-07
93	*	*	0.04	0.000	0.036	0.0270	0.0676	.1742E-01	.2038E-07
94	*	*	0.00	0.000	0.040	0.0270	0.0673	.1734E-01	.2029E-07
95	*	*	0.00	0.000	0.029	0.0270	0.0670	.1726E-01	.2020E-07
96	*	*	0.00	0.000	0.041	0.0270	0.0667	.1718E-01	.2011E-07
97	*	*	0.00	0.000	0.033	0.0270	0.0664	.1710E-01	.2002E-07
98	*	*	0.00	0.000	0.046	0.0270	0.0661	.1703E-01	.1993E-07
99	*		0.32	0.000	0.000	0.0656	0.0658	.1696E-01	.1985E-07
100	*		0.29	0.000	0.000	0.3500	0.0656	.1688E-01	.1976E-07
101	*		0.00	0.000	0.034	0.3500	0.0654	.1685E-01	.1972E-07
102	*	*	0.00	0.000	0.048	0.3500	0.0616	.1587E-01	.1858E-07
103	*		0.00	0.000	0.000	0.3500	0.0617	.1589E-01	.1859E-07
104	*		0.00	0.000	0.021	0.3500	0.0625	.1609E-01	.1883E-07
105	*		0.00	0.000	0.000	0.3500	0.0643	.1657E-01	.1940E-07
106	*		0.00	0.000	0.000	0.3500	0.0665	.1712E-01	.2004E-07
107	*		0.15	0.000	0.000	0.3500	0.0682	.1756E-01	.2055E-07
108	*		0.00	0.000	0.000	0.3500	0.0692	.1782E-01	.2086E-07
109	*		0.42	0.000	0.013	0.3500	0.0703	.1811E-01	.2119E-07
110	*		0.00	0.000	0.000	0.3500	0.0712	.1834E-01	.2146E-07
111	*		0.00	0.000	0.000	0.3500	0.0686	.1767E-01	.2069E-07
112	*		0.00	0.000	0.000	0.3500	0.0510	.1314E-01	.1538E-07
113	*		0.00	0.000	0.000	0.3500	0.0814	.2096E-01	.2454E-07
114	*		0.00	0.000	0.000	0.3500	2.6784	.6592E-01	.8109E-06
115	*		0.35	0.000	0.013	0.3500	3.7711	.7371E-01	.1142E-05
116	*		0.00	0.000	0.000	0.3500	3.9583	.7492E-01	.1199E-05
117	*		0.00	0.000	0.000	0.3500	3.9365	.7478E-01	.1193E-05
118	*		0.41	0.000	0.013	0.3500	4.0864	.7574E-01	.1238E-05
119	*		0.38	0.000	0.013	0.3500	4.2167	.7658E-01	.1278E-05
120	*		0.00	0.000	0.000	0.3500	4.1576	.7620E-01	.1260E-05
121	*		0.00	0.000	0.000	0.3500	4.0955	.7580E-01	.1241E-05
122	*		0.10	0.000	0.013	0.3500	4.3796	.7763E-01	.1327E-05
123			0.71	0.000	0.093	0.0587	4.6775	.7955E-01	.1418E-05
124	*		0.04	0.000	0.096	0.0437	6.2041	.8938E-01	.1884E-05
125			0.34	0.000	0.119	0.0428	7.8474	.9996E-01	.2387E-05
126			0.00	0.000	0.093	0.0298	8.8582	.1065	.2698E-05
127			0.00	0.000	0.108	0.0115	9.5485	.1111	.2910E-05
128			0.03	0.000	0.069	0.0015	10.0415	.1145	.3062E-05
129			0.00	0.000	0.004	0.0005	10.3967	.1170	.3171E-05
130			0.02	0.000	0.020	0.0005	10.6544	.1189	.3251E-05
131			0.00	0.000	0.000	0.0005	11.0156	.1215	.3362E-05
132			0.00	0.000	0.000	0.0005	11.5399	.1253	.3524E-05
133			0.00	0.000	0.000	0.0005	11.6649	.1262	.3562E-05
134			0.00	0.000	0.000	0.0005	11.7002	.1265	.3573E-05
135			0.00	0.000	0.000	0.0005	11.7064	.1266	.3575E-05
136			0.08	0.000	0.015	0.0084	11.6898	.1264	.3570E-05
137			0.00	0.000	0.009	0.0072	11.6547	.1262	.3559E-05
138			0.17	0.000	0.027	0.0250	11.6033	.1258	.3543E-05
139			0.00	0.000	0.016	0.0230	11.5369	.1253	.3523E-05
140			0.00	0.000	0.018	0.0203	11.4585	.1247	.3499E-05
141			0.00	0.000	0.015	0.0184	11.3713	.1241	.3472E-05
142			0.00	0.000	0.018	0.0162	11.2744	.1234	.3442E-05
143			0.00	0.000	0.016	0.0142	11.1694	.1226	.3409E-05
144			0.14	0.000	0.029	0.0270	11.0576	.1218	.3375E-05
145			0.41	0.000	0.029	0.0736	10.9436	.1210	.3340E-05
146			0.00	0.000	0.136	0.0313	10.8260	.1201	.3304E-05
147			0.00	0.000	0.140	0.0100	10.7240	.1194	.3272E-05
148			0.52	0.000	0.141	0.0529	10.5419	.1181	.3216E-05
149			0.00	0.000	0.083	0.0179	10.3498	.1167	.3157E-05
150			0.00	0.000	0.095	0.0057	10.1493	.1153	.3095E-05
151			0.56	0.000	0.124	0.0577	9.9643	.1140	.3038E-05
152			0.01	0.000	0.105	0.0189	9.7495	.1125	.2972E-05
153			0.00	0.000	0.102	0.0057	9.5552	.1112	.2912E-05
154			0.00	0.000	0.021	0.0005	9.3833	.1100	.2859E-05
155			0.00	0.000	0.000	0.0005	9.1761	.1086	.2795E-05
156			0.00	0.000	0.000	0.0005	8.9785	.1073	.2735E-05
157			0.00	0.000	0.000	0.0005	8.8429	.1064	.2693E-05
158			0.12	0.000	0.028	0.0120	8.7456	.1058	.2663E-05
159			0.00	0.000	0.021	0.0093	8.6606	.1052	.2637E-05
160			0.10	0.000	0.039	0.0166	8.5801	.1047	.2612E-05
161			0.04	0.000	0.037	0.0170	8.4992	.1042	.2587E-05
162			0.00	0.000	0.025	0.0136	8.4158	.1036	.2562E-05
163			0.00	0.000	0.024	0.0093	8.3255	.1030	.2534E-05
164			0.00	0.000	0.025	0.0053	8.2437	.1025	.2509E-05
165			0.00	0.000	0.020	0.0028	8.1548	.1019	.2482E-05
166			0.24	0.000	0.036	0.0273	8.0563	.1013	.2451E-05
167			0.00	0.000	0.026	0.0241	7.9571	.1007	.2421E-05
168			0.00	0.000	0.035	0.0198	7.8495	.9997E-01	.2388E-05

169	0.08	0.000	0.048	0.0234	7.7382	.9926E-01	.2354E-05
170	0.00	0.000	0.041	0.0183	7.6295	.9856E-01	.2320E-05
171	0.00	0.000	0.038	0.0135	7.5179	.9784E-01	.2286E-05
172	0.57	0.000	0.065	0.0755	7.4038	.9710E-01	.2251E-05
173	0.00	0.000	0.138	0.0186	7.2928	.9639E-01	.2217E-05
174	0.00	0.000	0.105	0.0053	7.2041	.9582E-01	.2190E-05
175	0.00	0.000	0.020	0.0005	7.0958	.9512E-01	.2157E-05
176	0.49	0.000	0.073	0.0527	6.9441	.9414E-01	.2110E-05
177	0.00	0.000	0.140	0.0102	6.7560	.9293E-01	.2053E-05
178	0.00	0.000	0.045	0.0039	6.5955	.9190E-01	.2004E-05
179	0.00	0.000	0.014	0.0021	6.4665	.9107E-01	.1964E-05
180	0.00	0.000	0.007	0.0005	6.2911	.8994E-01	.1911E-05
181	0.00	0.000	0.000	0.0005	6.1196	.8883E-01	.1858E-05
182	0.00	0.000	0.000	0.0005	5.9750	.8790E-01	.1814E-05
183	0.00	0.000	0.000	0.0005	5.8607	.8717E-01	.1779E-05
184	0.22	0.000	0.051	0.0216	5.7660	.8656E-01	.1750E-05
185	0.00	0.000	0.065	0.0135	5.6810	.8601E-01	.1724E-05
186	0.00	0.000	0.071	0.0042	5.6003	.8549E-01	.1700E-05
187	0.00	0.000	0.015	0.0023	5.5210	.8498E-01	.1675E-05
188	0.02	0.000	0.027	0.0005	5.4433	.8448E-01	.1652E-05
189	0.28	0.000	0.057	0.0284	5.3690	.8400E-01	.1629E-05
190	0.00	0.000	0.080	0.0182	5.2882	.8348E-01	.1604E-05
191	0.07	0.000	0.116	0.0124	5.2063	.8295E-01	.1579E-05
192	0.00	0.000	0.069	0.0038	5.1237	.8242E-01	.1554E-05
193	0.00	0.000	0.015	0.0013	5.0379	.8187E-01	.1528E-05
194	0.00	0.000	0.003	0.0005	4.9548	.8133E-01	.1503E-05
195	0.01	0.000	0.010	0.0005	4.8735	.8081E-01	.1478E-05
196	0.00	0.000	0.000	0.0005	4.7877	.8026E-01	.1452E-05
197	0.00	0.000	0.000	0.0005	4.6995	.7969E-01	.1425E-05
198	0.13	0.000	0.066	0.0085	4.6103	.7911E-01	.1398E-05
199	0.00	0.000	0.039	0.0033	4.5205	.7854E-01	.1370E-05
200	0.01	0.000	0.022	0.0019	4.4324	.7797E-01	.1343E-05
201	0.00	0.000	0.006	0.0005	4.3423	.7739E-01	.1316E-05
202	0.00	0.000	0.000	0.0005	4.2549	.7683E-01	.1289E-05
203	0.00	0.000	0.000	0.0005	4.1659	.7625E-01	.1262E-05
204	0.00	0.000	0.000	0.0005	4.0755	.7567E-01	.1235E-05
205	0.00	0.000	0.000	0.0005	3.9848	.7509E-01	.1207E-05
206	0.00	0.000	0.000	0.0005	3.8941	.7450E-01	.1180E-05
207	0.39	0.000	0.075	0.0397	3.8031	.7392E-01	.1152E-05
208	0.05	0.000	0.140	0.0285	3.7137	.7334E-01	.1125E-05
209	0.00	0.000	0.155	0.0058	3.6229	.7276E-01	.1097E-05
210	0.05	0.000	0.049	0.0036	3.5339	.7218E-01	.1070E-05
211	0.08	0.000	0.049	0.0075	3.4510	.7165E-01	.1045E-05
212	0.00	0.000	0.041	0.0020	3.3604	.7107E-01	.1017E-05
213	0.03	0.000	0.037	0.0012	3.2661	.7046E-01	.9887E-06
214	0.00	0.000	0.003	0.0005	3.1737	.6986E-01	.9606E-06
215	0.00	0.000	0.000	0.0005	3.0838	.6928E-01	.9333E-06
216	0.01	0.000	0.010	0.0005	2.9930	.6870E-01	.9057E-06
217	0.00	0.000	0.000	0.0005	2.9012	.6811E-01	.8778E-06
218	0.48	0.000	0.088	0.0496	2.8096	.6752E-01	.8500E-06
219	0.02	0.000	0.140	0.0111	2.7184	.6693E-01	.8224E-06
220	0.00	0.000	0.047	0.0045	1.4233	.5842E-01	.4305E-06
221	0.00	0.000	0.017	0.0024	1.3973	.5825E-01	.4226E-06
222	0.07	0.000	0.042	0.0050	1.3623	.5785E-01	.4119E-06
223	0.00	0.000	0.025	0.0019	0.1908	.4914E-01	.5753E-07
224	0.00	0.000	0.005	0.0005	0.1858	.4786E-01	.5603E-07
225	0.00	0.000	0.000	0.0005	0.1718	.4425E-01	.5180E-07
226	0.00	0.000	0.000	0.0005	0.1565	.4030E-01	.4718E-07
227	0.06	0.000	0.027	0.0046	0.1412	.3636E-01	.4256E-07
228	0.15	0.000	0.075	0.0137	0.1269	.3270E-01	.3827E-07
229	0.00	0.000	0.067	0.0050	0.1122	.2890E-01	.3383E-07
230	0.00	0.000	0.022	0.0018	0.1005	.2589E-01	.3031E-07
231	0.00	0.000	0.005	0.0005	0.0927	.2387E-01	.2795E-07
232	0.01	0.000	0.010	0.0005	0.0832	.2143E-01	.2508E-07
233	0.00	0.000	0.000	0.0005	0.0811	.2088E-01	.2444E-07
234	0.00	0.000	0.000	0.0005	0.0825	.2126E-01	.2488E-07
235	0.49	0.000	0.091	0.0504	0.0849	.2187E-01	.2560E-07
236	0.51	0.000	0.163	0.0693	0.0874	.2252E-01	.2635E-07
237	0.01	0.000	0.069	0.0194	0.0871	.2243E-01	.2626E-07
238	0.00	0.000	0.089	0.0065	0.0846	.2178E-01	.2549E-07
239	0.01	0.000	0.035	0.0005	0.0914	.2353E-01	.2754E-07
240	0.63	0.000	0.104	0.0663	0.0995	.2564E-01	.3001E-07
241	0.00	0.000	0.058	0.0274	0.1083	.2790E-01	.3266E-07
242	0.00	0.000	0.070	0.0073	0.1100	.2834E-01	.3317E-07
243	0.52	0.000	0.115	0.0547	0.1031	.2655E-01	.3108E-07
244	0.00	0.000	0.058	0.0214	0.1004	.2586E-01	.3027E-07
245	0.00	0.000	0.084	0.0088	0.0989	.2547E-01	.2981E-07
246	0.23	0.000	0.099	0.0214	0.0928	.2391E-01	.2799E-07
247	0.00	0.000	0.081	0.0108	0.0910	.2344E-01	.2743E-07
248	0.08	0.000	0.091	0.0092	0.0940	.2422E-01	.2835E-07
249	0.00	0.000	0.045	0.0036	0.0930	.2397E-01	.2805E-07
250	0.01	0.000	0.023	0.0013	0.0874	.2252E-01	.2636E-07

251	0.00	0.000	0.003	0.0005	0.0666	.1716E-01	.2009E-07
252	0.01	0.000	0.010	0.0005	0.0485	.1250E-01	.1463E-07
253	0.41	0.000	0.077	0.0421	0.0401	.1033E-01	.1209E-07
254	0.00	0.000	0.057	0.0246	0.0456	.1174E-01	.1374E-07
255	0.00	0.000	0.090	0.0104	0.0582	.1499E-01	.1755E-07
256	0.00	0.000	0.045	0.0005	0.0783	.2017E-01	.2360E-07
257	0.63	0.000	0.077	0.0696	0.0980	.2524E-01	.2954E-07
258	0.29	0.000	0.077	0.0625	0.1348	.3472E-01	.4065E-07
259	0.00	0.000	0.060	0.0232	0.1433	.3690E-01	.4320E-07
260	0.00	0.000	0.074	0.0139	0.1422	.3663E-01	.4288E-07
261	0.00	0.000	0.081	0.0036	0.1578	.4065E-01	.4758E-07
262	0.00	0.000	0.013	0.0005	0.1658	.4272E-01	.5001E-07
263	0.00	0.000	0.000	0.0005	0.1455	.3749E-01	.4388E-07
264	0.00	0.000	0.000	0.0005	0.1219	.3140E-01	.3675E-07
265	0.00	0.000	0.000	0.0005	0.1067	.2749E-01	.3218E-07
266	0.12	0.000	0.043	0.0101	0.1063	.2737E-01	.3204E-07
267	0.02	0.000	0.033	0.0085	0.1182	.3046E-01	.3565E-07
268	0.00	0.000	0.031	0.0043	0.1369	.3526E-01	.4128E-07
269	0.00	0.000	0.018	0.0019	0.1554	.4004E-01	.4687E-07
270	0.15	0.000	0.049	0.0138	0.1745	.4494E-01	.5261E-07
271	0.08	0.000	0.050	0.0175	0.1884	.4852E-01	.5680E-07
272	0.25	0.000	0.047	0.0425	1.4470	.5849E-01	.4376E-06
273	0.03	0.000	0.061	0.0387	1.4427	.5847E-01	.4363E-06
274	0.04	0.000	0.065	0.0340	1.4353	.5838E-01	.4341E-06
275	0.08	0.000	0.073	0.0326	0.8118	.5423E-01	.2454E-06
276	0.00	0.000	0.073	0.0205	0.8120	.5432E-01	.2455E-06
277	0.08	0.000	0.072	0.0172	0.8105	.5422E-01	.2450E-06
278	0.00	0.000	0.078	0.0045	0.1949	.5021E-01	.5879E-07
279	0.00	0.000	0.018	0.0016	1.4244	.5843E-01	.4308E-06
280	0.00	0.000	0.005	0.0005	1.4004	.5816E-01	.4235E-06
281	0.38	0.000	0.041	0.0428	0.7820	.5409E-01	.2364E-06
282	0.08	0.000	0.062	0.0255	0.1916	.4935E-01	.5777E-07
283	0.00	0.000	0.061	0.0158	0.1766	.4550E-01	.5327E-07
284	0.00	0.000	0.056	0.0043	0.1686	.4342E-01	.5083E-07
285	0.00	0.000	0.021	0.0005	0.1670	.4301E-01	.5035E-07
286	0.00	0.000	0.000	0.0005	0.1663	.4283E-01	.5013E-07
287	0.00	0.000	0.000	0.0005	0.1688	.4349E-01	.5091E-07
288	0.00	0.000	0.000	0.0005	0.1591	.4099E-01	.4798E-07
289	0.00	0.000	0.000	0.0005	0.1391	.3582E-01	.4193E-07
290	0.01	0.000	0.010	0.0005	0.1169	.3012E-01	.3526E-07
291	0.03	0.000	0.017	0.0019	0.1004	.2587E-01	.3028E-07
292 *	0.00	0.000	0.000	0.0019	0.0916	.2359E-01	.2761E-07
293 *	0.00	0.000	0.000	0.0019	0.0913	.2352E-01	.2753E-07
294 *	0.24	0.000	0.009	0.0044	0.0974	.2510E-01	.2938E-07
295 *	0.58	0.000	0.008	0.0069	0.1064	.2741E-01	.3209E-07
296 *	0.00	0.000	0.015	0.0093	0.1161	.2991E-01	.3501E-07
297 *	0.00	0.000	0.000	0.0117	0.1254	.3230E-01	.3781E-07
298	0.00	0.000	0.015	0.0310	0.1332	.3430E-01	.4015E-07
299	0.02	0.000	0.000	0.0466	0.1391	.3582E-01	.4193E-07
300	0.00	0.000	0.000	0.0778	0.1448	.3730E-01	.4367E-07
301	0.00	0.000	0.031	0.0311	0.1449	.3732E-01	.4369E-07
302 *	0.11	0.000	0.036	0.0310	0.1471	.3789E-01	.4435E-07
303	0.18	0.000	0.012	0.0556	0.1608	.4141E-01	.4848E-07
304	0.13	0.000	0.054	0.0559	0.1702	.4383E-01	.5131E-07
305	0.01	0.000	0.036	0.0476	0.1665	.4290E-01	.5022E-07
306	0.00	0.000	0.026	0.0415	0.1616	.4163E-01	.4873E-07
307 *	0.00	0.000	0.000	0.0391	0.1600	.4120E-01	.4823E-07
308	0.00	0.000	0.029	0.0329	0.1523	.3922E-01	.4592E-07
309	0.02	0.000	0.048	0.0262	0.1393	.3588E-01	.4200E-07
310	0.12	0.000	0.069	0.0298	0.1142	.2942E-01	.3444E-07
311	0.06	0.000	0.047	0.0281	0.0939	.2419E-01	.2832E-07
312 *	0.01	0.000	0.010	0.0245	0.0799	.2057E-01	.2408E-07
313 *	0.04	0.000	0.025	0.0253	0.0709	.1827E-01	.2139E-07
314 *	0.13	0.000	0.027	0.0275	0.0815	.2100E-01	.2458E-07
315	0.01	0.000	0.033	0.0347	0.0923	.2377E-01	.2783E-07
316	0.09	0.000	0.049	0.0394	0.0954	.2457E-01	.2876E-07
317 *	0.00	0.000	0.018	0.0367	0.0942	.2427E-01	.2841E-07
318	0.84	0.000	0.043	0.1194	0.0960	.2472E-01	.2894E-07
319	0.00	0.000	0.016	0.0493	0.0988	.2545E-01	.2980E-07
320	0.02	0.000	0.026	0.0012	0.1104	.2842E-01	.3327E-07
321	0.00	0.000	0.002	0.0005	0.1386	.3570E-01	.4179E-07
322	0.00	0.000	0.000	0.0005	0.1595	.4109E-01	.4810E-07
323	0.00	0.000	0.000	0.0005	0.1728	.4450E-01	.5210E-07
324 *	0.07	0.000	0.031	0.0028	0.1588	.4090E-01	.4788E-07
325 *	0.00	0.000	0.019	0.0028	0.1173	.3022E-01	.3537E-07
326 *	0.00	0.000	0.007	0.0014	0.0974	.2510E-01	.2938E-07
327 *	0.01	0.000	0.010	0.0014	0.1155	.2975E-01	.3482E-07
328 *	0.15	0.000	0.029	0.0038	0.1568	.4038E-01	.4727E-07
329	0.00	0.000	0.029	0.0129	1.5258	.5819E-01	.4616E-06
330	0.08	0.000	0.033	0.0188	2.8819	.6798E-01	.8720E-06
331 *	0.61	0.000	0.018	0.0212	2.9011	.6811E-01	.8778E-06
332 *	0.00	0.000	0.008	0.0236	2.9149	.6820E-01	.8820E-06

333	*	0.04	0.000	0.018	0.0261	2.9220	.6824E-01	.8842E-06
334	*	0.03	0.000	0.019	0.0280	2.9222	.6824E-01	.8842E-06
335	*	0.00	0.000	0.019	0.0280	2.9195	.6823E-01	.8834E-06
336	*	0.14	0.000	0.017	0.0280	2.9093	.6816E-01	.8803E-06
337	*	0.01	0.000	0.013	0.0280	2.8937	.6806E-01	.8756E-06
338	*	0.00	0.000	0.011	0.0280	2.8737	.6793E-01	.8695E-06
339	*	0.00	0.000	0.005	0.0280	2.8499	.6778E-01	.8623E-06
340	*	0.00	0.000	0.005	0.0280	2.8224	.6760E-01	.8539E-06
341	*	0.10	0.000	0.007	0.0280	2.7917	.6740E-01	.8446E-06
342	*	0.00	0.000	0.007	0.0280	2.7579	.6719E-01	.8344E-06
343	*	0.00	0.000	0.000	0.0280	2.7213	.6695E-01	.8232E-06
344	*	0.00	0.000	0.000	0.0280	1.4439	.5863E-01	.4367E-06
345	*	0.23	0.000	0.000	0.0280	1.4320	.5840E-01	.4331E-06
346	*	0.00	0.000	0.014	0.0280	1.4188	.5829E-01	.4291E-06
347	*	0.00	0.000	0.018	0.0280	0.1944	.5008E-01	.5863E-07
348	*	0.00	0.000	0.016	0.0280	0.1959	.5046E-01	.5907E-07
349	*	0.00	0.000	0.020	0.0280	0.1949	.5020E-01	.5877E-07
350	*	0.00	0.000	0.013	0.0280	0.1925	.4958E-01	.5805E-07
351	*	0.00	0.000	0.012	0.0280	0.1894	.4877E-01	.5710E-07
352	*	0.07	0.000	0.010	0.0280	0.1858	.4786E-01	.5604E-07
353	*	0.03	0.000	0.012	0.0280	0.1821	.4691E-01	.5492E-07
354	*	0.00	0.000	0.017	0.0280	0.1784	.4595E-01	.5379E-07
355	*	0.16	0.000	0.000	0.0280	0.1747	.4500E-01	.5268E-07
356	*	0.04	0.000	0.000	0.0280	0.1711	.4406E-01	.5159E-07
357	*	0.00	0.000	0.023	0.0280	0.1676	.4316E-01	.5053E-07
358	*	0.14	0.000	0.000	0.0280	0.1642	.4229E-01	.4951E-07
359	*	0.24	0.000	0.000	0.0280	0.1609	.4145E-01	.4852E-07
360	*	0.19	0.000	0.011	0.0280	0.1578	.4064E-01	.4758E-07
361	*	0.07	0.000	0.011	0.0280	0.1548	.3987E-01	.4667E-07
362	*	0.12	0.000	0.010	0.0280	0.1519	.3912E-01	.4580E-07
363	*	0.17	0.000	0.011	0.0280	0.1491	.3841E-01	.4496E-07
364	*	0.23	0.000	0.010	0.0280	0.1465	.3772E-01	.4416E-07
365	*	0.04	0.000	0.000	0.0280	0.1439	.3706E-01	.4339E-07

MONTHLY TOTALS (IN INCHES) FOR YEAR 1993

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

PRECIPITATION	3.30	1.14	0.72	2.40	3.12	1.65
	1.31	3.00	2.31	1.96	2.34	1.98

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	0.332	0.503	0.562	0.419	1.525	1.277
	1.220	1.413	1.476	0.832	0.726	0.291

SUBSURFACE INFLOW INTO	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497
LAYER 2	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580

LATERAL DRAINAGE COLLECTED	1.0520	0.6637	0.5947	0.9121	3.5613	3.0178
FROM LAYER 3	2.4656	1.2688	0.9130	1.2721	1.1521	1.6232

PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	0.132	0.092	0.074	0.945	10.021	7.941
TOP OF LAYER 4	4.676	0.887	0.199	0.351	0.633	1.067

STD. DEVIATION OF DAILY	0.020	0.007	0.004	1.636	2.229	0.991
HEAD ON TOP OF LAYER 4	0.784	1.220	0.341	0.421	1.066	1.210

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
PRECIPITATION	25.23	91582.904	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	10.575	38385.562	41.91
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	12.04
DRAINAGE COLLECTED FROM LAYER 3	18.4965	67140.806	73.31
PERC./LEAKAGE THROUGH LAYER 5	0.000252	0.913	0.00
AVG. HEAD ON TOP OF LAYER 4	2.2516		
CHANGE IN WATER STORAGE	-0.804	-2916.647	-3.18
SOIL WATER AT START OF YEAR	26.646	96722.784	
SOIL WATER AT END OF YEAR	26.376	95741.839	
SNOW WATER AT START OF YEAR	2.762	10024.303	10.95
SNOW WATER AT END OF YEAR	2.228	8088.601	8.83
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
 DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
 LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1994

S	DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK
I	I			WATER	#1	#1	#1			
R	L	IN.	IN.	IN.	IN./IN.	IN.	IN.	IN.		

1	*	0.08	0.000	0.000	0.0280	0.1414	.3643E-01	.4265E-07		
2	*	0.11	0.000	0.011	0.0280	0.1391	.3582E-01	.4193E-07		
3	*	0.00	0.000	0.017	0.0280	0.1368	.3523E-01	.4125E-07		
4	*	0.01	0.000	0.014	0.0280	0.1346	.3467E-01	.4058E-07		
5	*	0.28	0.000	0.000	0.0280	0.1325	.3413E-01	.3995E-07		
6	*	0.04	0.000	0.000	0.0280	0.1305	.3360E-01	.3933E-07		
7	*	0.53	0.000	0.000	0.0280	0.1285	.3310E-01	.3874E-07		
8	*	0.31	0.000	0.017	0.0280	0.1266	.3261E-01	.3817E-07		
9	*	0.05	0.000	0.000	0.0280	0.1248	.3214E-01	.3762E-07		
10	*	0.01	0.000	0.016	0.0280	0.1230	.3169E-01	.3709E-07		
11	*	0.11	0.000	0.012	0.0280	0.1213	.3125E-01	.3658E-07		
12	*	0.05	0.000	0.010	0.0280	0.1197	.3082E-01	.3608E-07		
13	*	0.21	0.000	0.014	0.0280	0.1181	.3041E-01	.3560E-07		
14	*	0.23	0.000	0.012	0.0280	0.1165	.3002E-01	.3514E-07		
15	*	0.14	0.000	0.009	0.0280	0.1150	.2963E-01	.3469E-07		
16	*	0.12	0.000	0.008	0.0280	0.1136	.2926E-01	.3425E-07		
17	*	0.12	0.000	0.007	0.0280	0.1122	.2890E-01	.3383E-07		
18	*	0.20	0.000	0.000	0.0280	0.1108	.2855E-01	.3342E-07		
19	*	0.22	0.000	0.000	0.0280	0.1095	.2821E-01	.3303E-07		
20	*	0.10	0.000	0.000	0.0280	0.1083	.2788E-01	.3264E-07		
21	*	0.11	0.000	0.009	0.0280	0.1070	.2757E-01	.3227E-07		
22	*	0.36	0.000	0.000	0.0280	0.1058	.2726E-01	.3191E-07		
23	*	0.00	0.000	0.013	0.0280	0.1047	.2696E-01	.3155E-07		
24	*	0.05	0.000	0.000	0.0280	0.1035	.2666E-01	.3121E-07		
25	*	0.01	0.000	0.000	0.0280	0.1024	.2638E-01	.3088E-07		
26	*	0.00	0.000	0.000	0.0280	0.1013	.2610E-01	.3056E-07		
27	*	0.01	0.000	0.000	0.0280	0.1003	.2584E-01	.3024E-07		
28	*	0.12	0.000	0.000	0.0280	0.0993	.2557E-01	.2994E-07		
29	*	0.12	0.000	0.000	0.0280	0.0983	.2532E-01	.2964E-07		
30	*	0.00	0.000	0.023	0.0280	0.0973	.2507E-01	.2935E-07		

31	*	*	0.00	0.000	0.023	0.0280	0.0964	.2483E-01	.2907E-07
32	*	*	0.02	0.000	0.020	0.0280	0.0955	.2460E-01	.2879E-07
33	*	*	0.00	0.000	0.023	0.0280	0.0946	.2437E-01	.2852E-07
34	*	*	0.03	0.000	0.019	0.0280	0.0937	.2415E-01	.2826E-07
35	*	*	0.16	0.000	0.020	0.0280	0.0929	.2393E-01	.2801E-07
36	*	*	0.09	0.000	0.014	0.0280	0.0921	.2372E-01	.2776E-07
37	*	*	0.12	0.000	0.017	0.0280	0.0913	.2351E-01	.2752E-07
38	*	*	0.02	0.000	0.009	0.0280	0.0905	.2331E-01	.2728E-07
39	*	*	0.08	0.000	0.012	0.0280	0.0897	.2311E-01	.2705E-07
40	*	*	0.02	0.000	0.011	0.0280	0.0890	.2292E-01	.2683E-07
41	*	*	0.00	0.000	0.000	0.0280	0.0882	.2273E-01	.2661E-07
42	*	*	0.03	0.000	0.000	0.0280	0.0875	.2255E-01	.2639E-07
43	*	*	0.01	0.000	0.000	0.0280	0.0868	.2237E-01	.2618E-07
44	*	*	0.14	0.000	0.000	0.0280	0.0862	.2219E-01	.2598E-07
45	*	*	0.04	0.000	0.021	0.0280	0.0855	.2202E-01	.2578E-07
46	*	*	0.00	0.000	0.024	0.0280	0.0848	.2185E-01	.2558E-07
47	*	*	0.03	0.000	0.000	0.0280	0.0842	.2169E-01	.2539E-07
48	*	*	0.00	0.000	0.024	0.0280	0.0836	.2153E-01	.2520E-07
49	*	*	0.00	0.000	0.029	0.0280	0.0830	.2137E-01	.2502E-07
50	*	*	0.00	0.000	0.026	0.0280	0.0824	.2122E-01	.2484E-07
51	*	*	0.01	0.000	0.000	0.0280	0.0818	.2107E-01	.2466E-07
52	*	*	0.00	0.000	0.000	0.0280	0.0812	.2092E-01	.2449E-07
53	*	*	0.00	0.000	0.030	0.0280	0.0807	.2078E-01	.2432E-07
54	*	*	0.00	0.000	0.023	0.0280	0.0801	.2064E-01	.2416E-07
55	*	*	0.00	0.000	0.027	0.0280	0.0796	.2050E-01	.2400E-07
56	*	*	0.00	0.000	0.025	0.0280	0.0791	.2037E-01	.2384E-07
57	*	*	0.00	0.000	0.025	0.0280	0.0786	.2023E-01	.2368E-07
58	*	*	0.00	0.000	0.024	0.0280	0.0780	.2010E-01	.2353E-07
59	*	*	0.00	0.000	0.020	0.0280	0.0776	.1998E-01	.2338E-07
60	*	*	0.03	0.000	0.018	0.0280	0.0771	.1985E-01	.2324E-07
61	*	*	0.00	0.000	0.014	0.0280	0.0766	.1973E-01	.2309E-07
62	*	*	0.00	0.000	0.011	0.0280	0.0761	.1961E-01	.2295E-07
63	*	*	0.00	0.000	0.010	0.0280	0.0757	.1949E-01	.2281E-07
64	*	*	0.00	0.000	0.016	0.0280	0.0752	.1938E-01	.2268E-07
65	*	*	0.00	0.000	0.000	0.0280	0.0748	.1926E-01	.2255E-07
66	*	*	0.00	0.000	0.019	0.0280	0.0743	.1915E-01	.2242E-07
67	*	*	0.00	0.000	0.019	0.0280	0.0739	.1904E-01	.2229E-07
68	*	*	0.03	0.000	0.000	0.0280	0.0735	.1893E-01	.2216E-07
69	*	*	0.00	0.000	0.019	0.0280	0.0731	.1883E-01	.2204E-07
70	*	*	0.00	0.000	0.019	0.0280	0.0727	.1873E-01	.2192E-07
71	*	*	0.00	0.000	0.025	0.0280	0.0723	.1862E-01	.2180E-07
72	*	*	0.00	0.000	0.018	0.0280	0.0719	.1852E-01	.2168E-07
73	*	*	0.00	0.000	0.022	0.0280	0.0715	.1843E-01	.2157E-07
74	*	*	0.03	0.000	0.012	0.0280	0.0712	.1833E-01	.2146E-07
75	*	*	0.05	0.000	0.019	0.0280	0.0708	.1824E-01	.2134E-07
76	*	*	0.00	0.000	0.013	0.0280	0.0704	.1814E-01	.2124E-07
77	*	*	0.03	0.000	0.000	0.0280	0.0701	.1805E-01	.2113E-07
78	*	*	0.03	0.000	0.000	0.0280	0.0697	.1796E-01	.2102E-07
79	*	*	0.00	0.000	0.000	0.0280	0.0694	.1787E-01	.2092E-07
80	*	*	0.00	0.000	0.042	0.0280	0.0691	.1779E-01	.2082E-07
81	*	*	0.05	0.000	0.021	0.0280	0.0687	.1770E-01	.2072E-07
82	*	*	0.00	0.000	0.040	0.0280	0.0684	.1762E-01	.2062E-07
83	*	*	0.03	0.000	0.024	0.0280	0.0681	.1753E-01	.2052E-07
84	*	*	0.41	0.000	0.018	0.0280	0.0678	.1745E-01	.2043E-07
85	*	*	0.00	0.000	0.015	0.0280	0.0674	.1737E-01	.2033E-07
86	*	*	0.04	0.000	0.000	0.0280	0.0671	.1729E-01	.2024E-07
87	*	*	0.18	0.000	0.000	0.0280	0.0668	.1722E-01	.2015E-07
88	*	*	0.01	0.000	0.000	0.0280	0.0665	.1714E-01	.2006E-07
89	*	*	0.01	0.000	0.000	0.0319	0.0663	.1706E-01	.1997E-07
90	*	*	0.00	0.000	0.028	0.0319	0.0660	.1699E-01	.1989E-07
91	*	*	0.00	0.000	0.023	0.0319	0.0657	.1692E-01	.1980E-07
92	*	*	0.00	0.000	0.032	0.0319	0.0654	.1685E-01	.1972E-07
93	*	*	0.08	0.000	0.000	0.0319	0.0651	.1678E-01	.1964E-07
94	*	*	0.00	0.000	0.033	0.0319	0.0649	.1671E-01	.1955E-07
95	*	*	0.00	0.000	0.000	0.1361	0.0646	.1664E-01	.1947E-07
96	*	*	0.00	0.000	0.000	0.2646	0.0643	.1657E-01	.1940E-07
97	*	*	0.00	0.000	0.000	0.3500	0.0641	.1651E-01	.1932E-07
98	*	*	0.00	0.000	0.000	0.3500	0.0617	.1588E-01	.1859E-07
99	*	*	0.00	0.000	0.000	0.3500	0.0592	.1525E-01	.1785E-07
100	*	*	0.07	0.000	0.000	0.3500	0.0605	.1559E-01	.1824E-07
101	*	*	0.00	0.000	0.049	0.3500	0.0630	.1623E-01	.1899E-07
102	*	*	0.00	0.000	0.054	0.3500	0.0667	.1718E-01	.2011E-07
103	*	*	0.00	0.000	0.053	0.3500	0.0726	.1870E-01	.2189E-07
104	*	*	0.00	0.000	0.041	0.3500	0.0704	.1812E-01	.2121E-07
105	*	*	0.00	0.000	0.030	0.3500	0.0523	.1347E-01	.1577E-07
106	*	*	0.21	0.000	0.032	0.3500	0.0385	.9916E-02	.1193E-07
107	*	*	0.09	0.000	0.000	0.3500	0.0595	.1534E-01	.1795E-07
108	*	*	0.00	0.000	0.051	0.3500	0.1300	.3350E-01	.3921E-07
109	*	*	0.06	0.000	0.055	0.3500	2.3031	.6313E-01	.6969E-06
110	*	*	0.00	0.000	0.000	0.3500	3.0766	.6924E-01	.9311E-06
111	*	*	0.00	0.000	0.000	0.3500	3.0030	.6876E-01	.9087E-06
112	*	*	0.00	0.000	0.000	0.3500	2.9279	.6828E-01	.8860E-06

113	*	0.00	0.000	0.000	0.3500	2.9699	.6855E-01	.8987E-06
114	*	0.00	0.000	0.000	0.3500	3.0441	.6903E-01	.9212E-06
115	*	0.00	0.000	0.000	0.3500	3.1171	.6950E-01	.9434E-06
116	*	0.03	0.000	0.013	0.3500	3.1816	.6991E-01	.9630E-06
117	*	1.19	0.000	0.015	0.3500	3.2592	.7041E-01	.9866E-06
118	*	0.04	0.000	0.014	0.3500	3.2860	.7059E-01	.9947E-06
119	*	0.00	0.000	0.000	0.3500	3.2102	.7010E-01	.9717E-06
120	*	0.19	0.000	0.015	0.3500	3.1013	.6940E-01	.9386E-06
121	*	0.00	0.000	0.000	0.3500	3.1571	.6976E-01	.9556E-06
122	*	0.00	0.000	0.000	0.3500	3.1798	.6990E-01	.9624E-06
123	*	0.00	0.000	0.000	0.3500	3.3597	.7106E-01	.1017E-05
124	*	0.00	0.000	0.000	0.3500	3.5584	.7234E-01	.1078E-05
125	*	0.09	0.000	0.015	0.3500	3.7389	.7350E-01	.1132E-05
126	*	0.00	0.000	0.000	0.3500	3.9089	.7460E-01	.1184E-05
127	*	0.00	0.000	0.000	0.3500	3.9950	.7515E-01	.1210E-05
128	*	0.00	0.000	0.000	0.3500	4.0736	.7566E-01	.1234E-05
129	*	0.07	0.000	0.015	0.3500	4.1517	.7616E-01	.1258E-05
130	*	0.00	0.000	0.000	0.3500	4.2405	.7673E-01	.1285E-05
131		0.00	0.000	0.052	0.0005	4.2797	.7699E-01	.1297E-05
132		0.23	0.000	0.089	0.0181	4.6704	.7950E-01	.1416E-05
133		0.00	0.000	0.103	0.0052	5.6566	.8585E-01	.1717E-05
134		0.02	0.000	0.039	0.0028	6.4124	.9072E-01	.1948E-05
135		0.25	0.000	0.099	0.0217	6.9640	.9427E-01	.2117E-05
136		0.11	0.000	0.111	0.0208	7.3762	.9692E-01	.2243E-05
137		0.00	0.000	0.109	0.0065	7.6863	.9892E-01	.2338E-05
138		0.00	0.000	0.025	0.0033	8.0779	.1014	.2458E-05
139		0.00	0.000	0.017	0.0005	8.6729	.1053	.2641E-05
140		0.00	0.000	0.000	0.0005	8.8534	.1065	.2696E-05
141		0.00	0.000	0.000	0.0005	8.9416	.1071	.2723E-05
142		0.00	0.000	0.000	0.0005	8.9992	.1074	.2741E-05
143		0.00	0.000	0.000	0.0005	9.0313	.1076	.2751E-05
144		0.00	0.000	0.000	0.0005	9.0422	.1077	.2754E-05
145		0.75	0.000	0.031	0.0904	9.0350	.1077	.2752E-05
146		0.78	0.000	0.150	0.1248	9.0124	.1075	.2745E-05
147		0.00	0.000	0.063	0.0365	8.9807	.1073	.2735E-05
148		0.00	0.000	0.037	0.0005	8.9342	.1070	.2721E-05
149		0.00	0.000	0.000	0.0005	8.7953	.1061	.2678E-05
150		0.00	0.000	0.000	0.0005	8.5933	.1048	.2616E-05
151		0.11	0.000	0.043	0.0089	8.4039	.1035	.2558E-05
152		0.15	0.000	0.042	0.0224	8.3673	.1033	.2547E-05
153		0.00	0.000	0.123	0.0066	8.3832	.1034	.2552E-05
154		0.00	0.000	0.028	0.0025	8.3992	.1035	.2557E-05
155		0.00	0.000	0.011	0.0005	8.4063	.1036	.2559E-05
156		0.00	0.000	0.000	0.0005	8.4001	.1035	.2557E-05
157		0.33	0.000	0.027	0.0384	8.3750	.1034	.2549E-05
158		0.00	0.000	0.100	0.0258	8.3405	.1031	.2539E-05
159		0.00	0.000	0.027	0.0197	8.2975	.1029	.2525E-05
160		0.00	0.000	0.016	0.0143	8.2540	.1026	.2512E-05
161		0.00	0.000	0.025	0.0074	8.2093	.1023	.2498E-05
162		0.00	0.000	0.025	0.0010	8.1581	.1020	.2483E-05
163		0.51	0.000	0.033	0.0603	8.0953	.1016	.2463E-05
164		0.01	0.000	0.080	0.0223	7.9870	.1009	.2430E-05
165		0.00	0.000	0.125	0.0035	7.8872	.1002	.2399E-05
166		0.48	0.000	0.084	0.0515	7.7802	.9953E-01	.2367E-05
167		0.00	0.000	0.109	0.0131	7.5998	.9836E-01	.2311E-05
168		0.00	0.000	0.062	0.0053	7.4399	.9733E-01	.2262E-05
169		0.02	0.000	0.046	0.0012	7.3044	.9646E-01	.2221E-05
170		0.21	0.000	0.045	0.0214	7.1185	.9527E-01	.2164E-05
171		0.00	0.000	0.041	0.0161	6.9889	.9443E-01	.2124E-05
172		0.00	0.000	0.041	0.0111	6.9039	.9388E-01	.2098E-05
173		0.00	0.000	0.034	0.0059	6.8386	.9346E-01	.2078E-05
174		0.00	0.000	0.022	0.0031	6.7877	.9314E-01	.2063E-05
175		0.00	0.000	0.011	0.0017	6.7371	.9281E-01	.2047E-05
176		0.00	0.000	0.006	0.0005	6.6762	.9242E-01	.2028E-05
177		0.00	0.000	0.000	0.0005	6.6207	.9206E-01	.2012E-05
178		0.00	0.000	0.000	0.0005	6.5561	.9164E-01	.1992E-05
179		0.10	0.000	0.026	0.0098	6.4876	.9120E-01	.1971E-05
180		0.81	0.000	0.049	0.1048	6.4168	.9075E-01	.1949E-05
181		0.04	0.000	0.137	0.0402	6.3428	.9027E-01	.1927E-05
182		0.00	0.000	0.134	0.0006	6.2945	.8996E-01	.1912E-05
183		0.00	0.000	0.001	0.0005	6.1944	.8931E-01	.1881E-05
184		0.00	0.000	0.000	0.0005	6.0370	.8830E-01	.1833E-05
185		0.00	0.000	0.000	0.0005	5.8574	.8714E-01	.1778E-05
186		0.00	0.000	0.000	0.0005	5.7322	.8634E-01	.1740E-05
187		0.00	0.000	0.000	0.0005	5.6641	.8590E-01	.1719E-05
188		0.00	0.000	0.000	0.0005	5.6173	.8560E-01	.1705E-05
189		0.01	0.000	0.010	0.0005	5.5754	.8533E-01	.1692E-05
190		1.16	0.000	0.064	0.1375	5.5333	.8506E-01	.1679E-05
191		0.00	0.000	0.175	0.0500	5.4936	.8480E-01	.1667E-05
192		0.00	0.000	0.073	0.0019	5.4643	.8461E-01	.1658E-05
193		0.02	0.000	0.025	0.0005	5.3672	.8399E-01	.1628E-05
194		0.00	0.000	0.000	0.0005	5.2196	.8304E-01	.1583E-05

195	0.00	0.000	0.000	0.0005	5.0553	.8198E-01	.1533E-05
196	0.00	0.000	0.000	0.0005	4.9892	.8155E-01	.1513E-05
197	0.00	0.000	0.000	0.0005	4.9995	.8162E-01	.1516E-05
198	0.00	0.000	0.000	0.0005	5.0206	.8176E-01	.1523E-05
199	0.00	0.000	0.000	0.0005	5.0379	.8187E-01	.1528E-05
200	0.00	0.000	0.000	0.0005	5.0487	.8194E-01	.1531E-05
201	0.00	0.000	0.000	0.0005	5.0522	.8196E-01	.1532E-05
202	0.13	0.000	0.051	0.0104	5.0482	.8193E-01	.1531E-05
203	1.09	0.000	0.087	0.1358	5.0372	.8186E-01	.1528E-05
204	0.03	0.000	0.137	0.0556	5.0232	.8177E-01	.1524E-05
205	0.02	0.000	0.083	0.0026	5.0115	.8170E-01	.1520E-05
206	0.01	0.000	0.018	0.0010	4.9255	.8114E-01	.1494E-05
207	0.02	0.000	0.021	0.0005	4.7799	.8021E-01	.1449E-05
208	0.03	0.000	0.030	0.0005	4.6290	.7923E-01	.1403E-05
209	0.00	0.000	0.000	0.0005	4.5994	.7904E-01	.1394E-05
210	0.00	0.000	0.000	0.0005	4.6389	.7930E-01	.1406E-05
211	0.00	0.000	0.000	0.0005	4.6838	.7959E-01	.1420E-05
212	0.00	0.000	0.000	0.0005	4.7225	.7984E-01	.1432E-05
213	0.43	0.000	0.069	0.0456	4.7526	.8003E-01	.1441E-05
214	0.00	0.000	0.057	0.0174	4.7731	.8016E-01	.1447E-05
215	0.00	0.000	0.096	0.0052	4.7978	.8032E-01	.1455E-05
216	0.00	0.000	0.019	0.0005	4.7348	.7992E-01	.1436E-05
217	0.00	0.000	0.000	0.0005	4.6750	.7953E-01	.1417E-05
218	0.00	0.000	0.000	0.0005	4.6145	.7914E-01	.1399E-05
219	0.00	0.000	0.000	0.0005	4.5755	.7889E-01	.1387E-05
220	0.01	0.000	0.010	0.0005	4.5498	.7872E-01	.1379E-05
221	0.01	0.000	0.010	0.0005	4.5282	.7859E-01	.1373E-05
222	0.00	0.000	0.000	0.0005	4.5063	.7844E-01	.1366E-05
223	0.00	0.000	0.000	0.0005	4.4819	.7829E-01	.1359E-05
224	0.00	0.000	0.000	0.0005	4.4542	.7811E-01	.1350E-05
225	0.00	0.000	0.000	0.0005	4.4230	.7791E-01	.1341E-05
226	0.00	0.000	0.000	0.0005	4.3882	.7768E-01	.1330E-05
227	0.06	0.000	0.028	0.0045	4.3497	.7744E-01	.1318E-05
228	0.00	0.000	0.022	0.0017	4.3079	.7717E-01	.1306E-05
229	0.00	0.000	0.005	0.0005	4.2620	.7687E-01	.1292E-05
230	0.00	0.000	0.000	0.0005	4.2170	.7658E-01	.1278E-05
231	0.00	0.000	0.000	0.0005	4.1663	.7625E-01	.1262E-05
232	0.08	0.000	0.027	0.0071	4.1116	.7590E-01	.1246E-05
233	0.03	0.000	0.053	0.0042	4.0544	.7553E-01	.1228E-05
234	0.00	0.000	0.015	0.0023	3.9951	.7515E-01	.1210E-05
235	0.00	0.000	0.010	0.0005	3.9328	.7475E-01	.1191E-05
236	0.00	0.000	0.000	0.0005	3.8727	.7436E-01	.1173E-05
237	0.33	0.000	0.058	0.0345	3.8095	.7396E-01	.1154E-05
238	0.19	0.000	0.173	0.0366	3.7429	.7353E-01	.1134E-05
239	0.01	0.000	0.137	0.0208	3.6745	.7309E-01	.1113E-05
240	0.71	0.000	0.120	0.0934	3.6046	.7264E-01	.1092E-05
241	0.00	0.000	0.075	0.0322	3.5330	.7218E-01	.1070E-05
242	0.00	0.000	0.035	0.0015	3.4800	.7184E-01	.1054E-05
243	0.19	0.000	0.068	0.0163	3.4172	.7143E-01	.1035E-05
244	0.00	0.000	0.086	0.0056	3.3184	.7079E-01	.1005E-05
245	0.00	0.000	0.031	0.0012	3.1825	.6992E-01	.9633E-06
246	0.00	0.000	0.003	0.0005	3.0494	.6906E-01	.9229E-06
247	0.00	0.000	0.000	0.0005	2.9464	.6840E-01	.8916E-06
248	0.00	0.000	0.000	0.0005	2.8677	.6789E-01	.8677E-06
249	0.24	0.000	0.051	0.0241	2.8055	.6749E-01	.8488E-06
250	0.00	0.000	0.088	0.0131	2.7529	.6715E-01	.8328E-06
251	0.00	0.000	0.048	0.0071	2.7051	.6685E-01	.8183E-06
252	0.00	0.000	0.028	0.0034	1.4315	.5853E-01	.4329E-06
253	0.00	0.000	0.012	0.0019	0.8077	.5423E-01	.2442E-06
254	0.00	0.000	0.006	0.0005	0.8027	.5396E-01	.2427E-06
255	0.00	0.000	0.000	0.0005	0.1931	.4974E-01	.5823E-07
256	0.16	0.000	0.036	0.0160	0.1945	.5011E-01	.5866E-07
257	0.01	0.000	0.031	0.0133	0.1941	.5000E-01	.5854E-07
258	0.06	0.000	0.048	0.0146	0.1920	.4946E-01	.5791E-07
259	1.77	0.000	0.048	0.1705	0.1890	.4867E-01	.5698E-07
260	0.07	0.000	0.107	0.0098	0.1798	.4632E-01	.5423E-07
261	0.00	0.000	0.051	0.0027	0.1826	.4703E-01	.5506E-07
262	0.00	0.000	0.010	0.0012	0.7640	.5341E-01	.2309E-06
263	0.00	0.000	0.003	0.0005	0.1958	.5044E-01	.5905E-07
264	0.00	0.000	0.000	0.0005	0.1657	.4267E-01	.4996E-07
265	0.14	0.000	0.045	0.0124	0.1222	.3147E-01	.3684E-07
266	0.35	0.000	0.053	0.0492	0.1229	.3165E-01	.3704E-07
267	0.00	0.000	0.077	0.0368	0.1686	.4342E-01	.5083E-07
268	0.00	0.000	0.060	0.0260	2.9945	.6871E-01	.9062E-06
269	0.44	0.000	0.096	0.0655	3.0758	.6923E-01	.9309E-06
270	0.04	0.000	0.060	0.0228	3.1348	.6961E-01	.9488E-06
271	0.31	0.000	0.080	0.0412	3.1886	.6996E-01	.9651E-06
272	0.02	0.000	0.061	0.0336	3.1500	.6971E-01	.9534E-06
273	0.00	0.000	0.087	0.0197	3.0266	.6892E-01	.9159E-06
274	0.00	0.000	0.041	0.0088	2.9543	.6845E-01	.8940E-06
275	0.00	0.000	0.034	0.0005	2.9838	.6864E-01	.9029E-06
276	0.00	0.000	0.000	0.0005	2.9853	.6865E-01	.9034E-06

277	0.00	0.000	0.000	0.0005	2.9598	.6849E-01	.8957E-06
278	0.00	0.000	0.000	0.0005	2.9788	.6861E-01	.9014E-06
279 *	0.00	0.000	0.000	0.0005	3.0156	.6885E-01	.9126E-06
280	0.00	0.000	0.000	0.0005	3.0539	.6909E-01	.9242E-06
281	0.59	0.000	0.041	0.0691	3.0881	.6931E-01	.9346E-06
282	0.04	0.000	0.054	0.0335	3.1156	.6949E-01	.9430E-06
283	0.13	0.000	0.052	0.0126	3.1542	.6974E-01	.9547E-06
284	0.00	0.000	0.045	0.0063	3.1374	.6963E-01	.9496E-06
285	0.00	0.000	0.029	0.0027	3.0186	.6886E-01	.9135E-06
286	0.00	0.000	0.009	0.0015	2.9276	.6828E-01	.8859E-06
287	0.00	0.000	0.004	0.0005	2.9245	.6826E-01	.8849E-06
288	0.00	0.000	0.000	0.0005	2.9622	.6850E-01	.8964E-06
289	0.00	0.000	0.000	0.0005	2.9969	.6872E-01	.9069E-06
290	0.00	0.000	0.000	0.0005	3.0285	.6893E-01	.9165E-06
291	0.15	0.000	0.038	0.0142	3.0548	.6910E-01	.9245E-06
292	0.12	0.000	0.037	0.0245	3.0788	.6925E-01	.9318E-06
293 *	0.01	0.000	0.010	0.0245	3.0945	.6935E-01	.9365E-06
294	0.00	0.000	0.034	0.0201	3.1028	.6941E-01	.9391E-06
295	0.13	0.000	0.056	0.0294	3.1044	.6942E-01	.9396E-06
296	0.31	0.000	0.056	0.0607	3.1016	.6940E-01	.9387E-06
297	0.16	0.000	0.052	0.0574	3.0912	.6933E-01	.9356E-06
298 *	0.10	0.000	0.027	0.0477	3.0956	.6936E-01	.9369E-06
299 *	0.06	0.000	0.029	0.0468	3.0836	.6928E-01	.9332E-06
300	0.00	0.000	0.042	0.0465	2.9912	.6869E-01	.9052E-06
301 *	0.00	0.000	0.025	0.0398	2.8744	.6794E-01	.8697E-06
302	0.03	0.000	0.045	0.0344	2.7908	.6740E-01	.8443E-06
303 *	0.00	0.000	0.023	0.0286	2.7175	.6693E-01	.8221E-06
304 *	0.00	0.000	0.000	0.0265	2.0422	.6257E-01	.6177E-06
305 *	0.00	0.000	0.000	0.0252	0.7994	.5418E-01	.2417E-06
306 *	0.00	0.000	0.025	0.0213	0.1954	.5032E-01	.5891E-07
307	0.00	0.000	0.036	0.0165	0.1894	.4879E-01	.5712E-07
308	0.00	0.000	0.030	0.0122	0.1826	.4704E-01	.5507E-07
309	0.07	0.000	0.048	0.0130	0.1764	.4545E-01	.5321E-07
310	0.00	0.000	0.035	0.0058	0.1714	.4414E-01	.5167E-07
311	0.13	0.000	0.045	0.0158	0.1680	.4328E-01	.5066E-07
312	0.00	0.000	0.030	0.0121	0.1816	.4677E-01	.5476E-07
313	0.00	0.000	0.037	0.0074	0.7989	.5414E-01	.2415E-06
314	0.00	0.000	0.026	0.0040	0.1931	.4973E-01	.5822E-07
315	0.00	0.000	0.019	0.0012	0.1900	.4895E-01	.5730E-07
316	0.00	0.000	0.003	0.0005	0.1859	.4788E-01	.5605E-07
317	0.00	0.000	0.000	0.0005	0.1819	.4684E-01	.5484E-07
318 *	0.03	0.000	0.030	0.0005	0.1839	.4736E-01	.5545E-07
319 *	0.02	0.000	0.020	0.0005	0.1852	.4771E-01	.5585E-07
320 *	0.00	0.000	0.000	0.0005	0.1851	.4768E-01	.5583E-07
321 *	0.00	0.000	0.000	0.0005	0.1842	.4745E-01	.5556E-07
322 *	0.00	0.000	0.000	0.0005	0.1830	.4714E-01	.5518E-07
323 *	0.02	0.000	0.020	0.0005	0.1816	.4679E-01	.5478E-07
324 *	0.00	0.000	0.000	0.0005	0.1802	.4642E-01	.5434E-07
325	0.29	0.000	0.027	0.0334	0.1787	.4603E-01	.5389E-07
326 *	0.63	0.000	0.030	0.0350	0.1771	.4561E-01	.5340E-07
327 *	0.00	0.000	0.030	0.0344	0.1758	.4529E-01	.5302E-07
328 *	0.00	0.000	0.019	0.0338	0.1725	.4443E-01	.5202E-07
329 *	0.00	0.000	0.030	0.0334	0.1698	.4372E-01	.5119E-07
330	0.07	0.000	0.000	0.0525	0.1681	.4329E-01	.5068E-07
331 *	0.01	0.000	0.028	0.0490	0.1669	.4298E-01	.5032E-07
332 *	0.24	0.000	0.016	0.0487	0.1643	.4233E-01	.4955E-07
333 *	0.22	0.000	0.015	0.0487	0.1700	.4378E-01	.5125E-07
334 *	0.00	0.000	0.026	0.0487	0.1755	.4521E-01	.5293E-07
335 *	0.00	0.000	0.017	0.0487	0.1744	.4491E-01	.5258E-07
336 *	0.00	0.000	0.017	0.0487	0.1675	.4315E-01	.5052E-07
337 *	0.00	0.000	0.022	0.0487	0.1575	.4057E-01	.4750E-07
338 **	0.00	0.000	0.013	0.0487	0.1432	.3689E-01	.4319E-07
339 **	0.00	0.000	0.019	0.0487	0.1351	.3480E-01	.4074E-07
340 **	0.05	0.000	0.015	0.0487	0.1314	.3383E-01	.3961E-07
341 **	0.04	0.000	0.017	0.0487	0.1232	.3173E-01	.3715E-07
342 **	0.02	0.000	0.012	0.0487	0.1111	.2862E-01	.3350E-07
343 **	0.18	0.000	0.010	0.0487	0.0982	.2528E-01	.2960E-07
344 **	0.03	0.000	0.009	0.0487	0.0874	.2251E-01	.2634E-07
345 **	0.02	0.000	0.012	0.0487	0.0806	.2075E-01	.2429E-07
346 **	0.04	0.000	0.000	0.0487	0.0781	.2013E-01	.2356E-07
347 **	0.00	0.000	0.015	0.0487	0.0795	.2047E-01	.2396E-07
348 **	0.04	0.000	0.000	0.0487	0.0835	.2150E-01	.2516E-07
349 **	0.00	0.000	0.014	0.0487	0.0890	.2293E-01	.2684E-07
350 **	0.03	0.000	0.010	0.0487	0.0952	.2452E-01	.2871E-07
351 **	0.03	0.000	0.011	0.0487	0.1013	.2610E-01	.3055E-07
352 **	0.00	0.000	0.011	0.0487	0.1069	.2755E-01	.3225E-07
353 **	0.01	0.000	0.009	0.0487	0.1118	.2880E-01	.3371E-07
354 **	0.00	0.000	0.010	0.0487	0.1159	.2984E-01	.3493E-07
355 **	0.00	0.000	0.000	0.0487	0.1191	.3067E-01	.3590E-07
356 **	0.00	0.000	0.000	0.0487	0.1215	.3129E-01	.3663E-07
357 **	0.00	0.000	0.030	0.0487	0.1232	.3174E-01	.3715E-07
358 **	0.00	0.000	0.029	0.0487	0.1244	.3203E-01	.3750E-07

359	*	*	0.00	0.000	0.027	0.0487	0.1250	.3220E-01	.3769E-07
360	*	*	0.00	0.000	0.021	0.0487	0.1252	.3226E-01	.3776E-07
361	*	*	0.00	0.000	0.025	0.0487	0.1251	.3223E-01	.3773E-07
362	*	*	0.03	0.000	0.018	0.0487	0.1248	.3214E-01	.3762E-07
363	*	*	0.03	0.000	0.018	0.0487	0.1242	.3198E-01	.3744E-07
364	*	*	0.00	0.000	0.014	0.0487	0.1234	.3179E-01	.3722E-07
365	*	*	0.00	0.000	0.016	0.0487	0.1225	.3157E-01	.3695E-07

MONTHLY TOTALS (IN INCHES) FOR YEAR 1994

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	3.70	0.80	0.93	1.96	2.41	2.66
	2.52	2.05	3.61	1.83	1.73	0.55
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	0.215	0.442	0.442	0.510	1.000	1.376
	0.908	1.087	1.307	0.783	0.624	0.440
SUBSURFACE INFLOW INTO LAYER 2	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.9219	0.6177	0.5673	1.1330	2.8450	2.9391
	2.5777	2.3744	1.7248	2.1279	1.4007	0.9348
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	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	0.115	0.086	0.071	1.256	6.574	7.539
	5.237	4.219	1.603	2.984	0.221	0.117
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.013	0.005	0.003	1.490	2.345	0.756
	0.464	0.417	1.374	0.201	0.157	0.024

ANNUAL TOTALS FOR YEAR 1994

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.75	89840.542	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.135	33157.888	36.91
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	12.27
DRAINAGE COLLECTED FROM LAYER 3	20.1644	73195.213	81.47
PERC./LEAKAGE THROUGH LAYER 5	0.000279	1.013	0.00
AVG. HEAD ON TOP OF LAYER 4	2.5018		
CHANGE IN WATER STORAGE	-1.511	-5485.843	-6.11
SOIL WATER AT START OF YEAR	26.376	95741.839	
SOIL WATER AT END OF YEAR	26.405	95846.494	
SNOW WATER AT START OF YEAR	2.228	8088.601	9.00

SNOW WATER AT END OF YEAR	0.688	2498.103	2.78
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1995

S										
DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK	
I	I			WATER	#1	#1	#1			
R	L	IN.	IN.	IN.	IN./IN.	IN.	IN.	IN.		

1	*	*	0.13	0.000	0.018	0.0487	0.1216	.3131E-01	.3666E-07	
2	*	*	0.07	0.000	0.000	0.0487	0.1205	.3105E-01	.3634E-07	
3	*	*	0.05	0.000	0.018	0.0487	0.1194	.3076E-01	.3601E-07	
4	*	*	0.04	0.000	0.012	0.0487	0.1183	.3047E-01	.3567E-07	
5	*	*	0.00	0.000	0.010	0.0487	0.1172	.3018E-01	.3533E-07	
6	*	*	0.10	0.000	0.000	0.0487	0.1160	.2988E-01	.3497E-07	
7	*	*	0.01	0.000	0.000	0.0487	0.1148	.2958E-01	.3462E-07	
8	*	*	0.10	0.000	0.000	0.0487	0.1137	.2928E-01	.3427E-07	
9	*	*	0.02	0.000	0.000	0.0487	0.1125	.2898E-01	.3392E-07	
10	*	*	0.07	0.000	0.014	0.0487	0.1114	.2868E-01	.3358E-07	
11	*	*	0.01	0.000	0.018	0.0487	0.1102	.2839E-01	.3323E-07	
12	*	*	0.49	0.000	0.011	0.0487	0.1091	.2810E-01	.3290E-07	
13	*	*	0.05	0.000	0.010	0.0487	0.1080	.2782E-01	.3256E-07	
14	*	*	0.00	0.000	0.014	0.0487	0.1069	.2754E-01	.3224E-07	
15	*	*	0.00	0.000	0.012	0.0487	0.1059	.2727E-01	.3192E-07	
16	*	*	0.00	0.000	0.007	0.0487	0.1048	.2700E-01	.3160E-07	
17	*	*	0.01	0.000	0.010	0.0487	0.1038	.2673E-01	.3129E-07	
18	*	*	0.00	0.000	0.010	0.0487	0.1028	.2647E-01	.3099E-07	
19	*	*	0.00	0.000	0.009	0.0487	0.1018	.2622E-01	.3069E-07	
20	*	*	0.40	0.000	0.007	0.0487	0.1008	.2597E-01	.3040E-07	
21	*	*	0.09	0.000	0.008	0.0487	0.0999	.2573E-01	.3012E-07	
22	*	*	0.10	0.000	0.000	0.0487	0.0990	.2549E-01	.2984E-07	
23	*	*	0.00	0.000	0.000	0.0487	0.0981	.2526E-01	.2957E-07	
24	*	*	0.01	0.000	0.000	0.0487	0.0972	.2503E-01	.2930E-07	
25	*	*	0.00	0.000	0.018	0.0487	0.0963	.2481E-01	.2904E-07	
26	*	*	0.00	0.000	0.000	0.0487	0.0955	.2459E-01	.2878E-07	
27	*	*	0.00	0.000	0.000	0.0487	0.0946	.2437E-01	.2853E-07	
28	*	*	0.00	0.000	0.028	0.0487	0.0938	.2417E-01	.2829E-07	
29	*	*	0.03	0.000	0.021	0.0487	0.0930	.2396E-01	.2805E-07	
30	*	*	0.00	0.000	0.026	0.0487	0.0922	.2376E-01	.2781E-07	
31	*	*	0.00	0.000	0.026	0.0487	0.0915	.2356E-01	.2758E-07	
32	*	*	0.03	0.000	0.000	0.0487	0.0907	.2337E-01	.2736E-07	
33	*	*	0.00	0.000	0.030	0.0487	0.0900	.2318E-01	.2714E-07	
34	*	*	0.13	0.000	0.025	0.0487	0.0893	.2300E-01	.2692E-07	
35	*	*	0.19	0.000	0.018	0.0487	0.0886	.2282E-01	.2671E-07	
36	*	*	0.08	0.000	0.016	0.0487	0.0879	.2264E-01	.2650E-07	
37	*	*	0.02	0.000	0.014	0.0487	0.0872	.2247E-01	.2630E-07	
38	*	*	0.03	0.000	0.015	0.0487	0.0866	.2230E-01	.2610E-07	
39	*	*	0.03	0.000	0.015	0.0487	0.0859	.2213E-01	.2591E-07	
40	*	*	0.14	0.000	0.009	0.0487	0.0853	.2197E-01	.2572E-07	
41	*	*	0.45	0.000	0.010	0.0487	0.0847	.2181E-01	.2553E-07	
42	*	*	0.12	0.000	0.010	0.0487	0.0841	.2166E-01	.2535E-07	
43	*	*	0.15	0.000	0.011	0.0487	0.0835	.2150E-01	.2517E-07	
44	*	*	0.31	0.000	0.011	0.0487	0.0829	.2135E-01	.2499E-07	
45	*	*	0.05	0.000	0.011	0.0487	0.0823	.2120E-01	.2482E-07	
46	*	*	0.77	0.000	0.011	0.0487	0.0818	.2106E-01	.2465E-07	
47	*	*	0.12	0.000	0.010	0.0487	0.0812	.2092E-01	.2449E-07	
48	*	*	0.03	0.000	0.000	0.0487	0.0807	.2078E-01	.2432E-07	
49	*	*	0.00	0.000	0.000	0.0487	0.0801	.2064E-01	.2416E-07	
50	*	*	0.00	0.000	0.023	0.0487	0.0796	.2051E-01	.2401E-07	
51	*	*	0.07	0.000	0.000	0.0487	0.0791	.2038E-01	.2385E-07	
52	*	*	0.04	0.000	0.000	0.0487	0.0786	.2025E-01	.2370E-07	
53	*	*	0.00	0.000	0.029	0.0487	0.0781	.2013E-01	.2356E-07	
54	*	*	0.07	0.000	0.000	0.0487	0.0777	.2000E-01	.2341E-07	
55	*	*	0.03	0.000	0.000	0.0487	0.0772	.1988E-01	.2327E-07	
56	*	*	0.01	0.000	0.021	0.0487	0.0767	.1976E-01	.2313E-07	

57	*	*	0.00	0.000	0.023	0.0487	0.0763	.1964E-01	.2299E-07
58	*	*	0.00	0.000	0.026	0.0487	0.0758	.1953E-01	.2286E-07
59	*	*	0.10	0.000	0.019	0.0487	0.0754	.1942E-01	.2273E-07
60	*	*	0.08	0.000	0.018	0.0487	0.0749	.1930E-01	.2260E-07
61	*	*	0.03	0.000	0.018	0.0487	0.0745	.1920E-01	.2247E-07
62	*	*	0.12	0.000	0.000	0.0487	0.0741	.1909E-01	.2234E-07
63	*	*	0.01	0.000	0.000	0.0487	0.0737	.1898E-01	.2222E-07
64	*	*	0.15	0.000	0.000	0.0487	0.0733	.1888E-01	.2210E-07
65	*	*	0.05	0.000	0.013	0.0487	0.0729	.1878E-01	.2198E-07
66	*	*	0.12	0.000	0.021	0.0487	0.0725	.1868E-01	.2186E-07
67	*	*	0.04	0.000	0.000	0.0487	0.0721	.1858E-01	.2175E-07
68	*	*	0.00	0.000	0.000	0.1545	0.0718	.1848E-01	.2163E-07
69	*	*	0.00	0.000	0.000	0.3488	0.0714	.1839E-01	.2152E-07
70	*	*	0.00	0.000	0.000	0.3500	0.0696	.1793E-01	.2099E-07
71	*	*	0.00	0.000	0.000	0.3500	0.0659	.1698E-01	.1987E-07
72	*	*	0.00	0.000	0.000	0.3500	0.0672	.1731E-01	.2026E-07
73	*	*	0.00	0.000	0.000	0.3500	0.0707	.1821E-01	.2132E-07
74	*	*	0.00	0.000	0.000	0.3500	0.0787	.2026E-01	.2371E-07
75	*	*	0.00	0.000	0.000	0.3500	0.0824	.2123E-01	.2485E-07
76	*	*	0.00	0.000	0.000	0.3500	0.0716	.1844E-01	.2159E-07
77	*	*	0.02	0.000	0.011	0.3500	0.0520	.1341E-01	.1569E-07
78	*	*	0.00	0.000	0.000	0.3500	0.0388	.9982E-02	.1195E-07
79	*	*	0.64	0.000	0.014	0.3500	0.0515	.1326E-01	.1552E-07
80	*	*	0.19	0.000	0.056	0.3500	0.0968	.2494E-01	.2920E-07
81	*	*	0.00	0.000	0.049	0.3500	0.1715	.4416E-01	.5170E-07
82	*	*	0.00	0.000	0.043	0.3500	1.3728	.5695E-01	.4151E-06
83	*	*	0.00	0.000	0.035	0.3500	0.1591	.4099E-01	.4799E-07
84	*	*	0.00	0.000	0.007	0.3500	0.1505	.3875E-01	.4537E-07
85	*	*	0.00	0.000	0.000	0.3500	0.8628	.5104E-01	.2609E-06
86	*	*	0.00	0.000	0.000	0.3500	2.9674	.6853E-01	.8980E-06
87	*	*	0.00	0.000	0.000	0.3500	3.0304	.6894E-01	.9171E-06
88	*	*	0.00	0.000	0.000	0.3500	3.0832	.6928E-01	.9331E-06
89	*	*	0.00	0.000	0.000	0.3500	3.1259	.6956E-01	.9461E-06
90	*	*	0.00	0.000	0.000	0.3500	3.1592	.6977E-01	.9562E-06
91	*	*	0.00	0.000	0.000	0.3500	3.1836	.6993E-01	.9636E-06
92	*	*	0.00	0.000	0.000	0.3500	3.1999	.7003E-01	.9686E-06
93	*	*	0.15	0.000	0.030	0.3500	3.2087	.7009E-01	.9712E-06
94	*	*	0.04	0.000	0.000	0.3500	3.2105	.7010E-01	.9718E-06
95	*	*	0.14	0.000	0.029	0.3500	3.2061	.7007E-01	.9704E-06
96	*	*	0.02	0.000	0.024	0.3500	3.1959	.7001E-01	.9674E-06
97	*	*	0.00	0.000	0.032	0.3500	3.1805	.6991E-01	.9627E-06
98	*	*	0.00	0.000	0.039	0.3500	3.1602	.6978E-01	.9565E-06
99	*	*	0.00	0.000	0.030	0.3500	3.1355	.6962E-01	.9490E-06
100	*	*	0.00	0.000	0.083	0.3500	3.1068	.6943E-01	.9403E-06
101	*	*	0.18	0.000	0.025	0.3500	3.0744	.6922E-01	.9304E-06
102	*	*	0.22	0.000	0.021	0.3500	3.0386	.6899E-01	.9196E-06
103	*	*	0.06	0.000	0.000	0.3500	2.9998	.6874E-01	.9078E-06
104	*	*	0.00	0.000	0.036	0.3500	2.9581	.6847E-01	.8951E-06
105	*	*	0.00	0.000	0.037	0.3500	2.9139	.6819E-01	.8817E-06
106	*	*	0.00	0.000	0.042	0.3500	2.8673	.6789E-01	.8676E-06
107	*	*	0.00	0.000	0.042	0.3500	2.8185	.6758E-01	.8528E-06
108	*	*	0.69	0.000	0.000	0.3500	2.7678	.6725E-01	.8374E-06
109	*	*	0.03	0.000	0.000	0.3500	2.7154	.6691E-01	.8214E-06
110	*	*	0.00	0.000	0.000	0.3500	1.4345	.5836E-01	.4338E-06
111	*	*	0.00	0.000	0.082	0.3500	1.4252	.5839E-01	.4310E-06
112	*	*	0.00	0.000	0.000	0.3500	1.3990	.5840E-01	.4231E-06
113	*	*	0.08	0.000	0.014	0.3500	0.7829	.5409E-01	.2367E-06
114	*	*	0.08	0.000	0.014	0.3500	0.1954	.5032E-01	.5891E-07
115	*	*	0.00	0.000	0.000	0.3500	0.1902	.4900E-01	.5737E-07
116	*	*	0.00	0.000	0.000	0.3500	0.1829	.4712E-01	.5516E-07
117	*	*	0.00	0.000	0.000	0.3500	0.1704	.4390E-01	.5140E-07
118	*	*	0.00	0.000	0.000	0.3500	0.1443	.3716E-01	.4350E-07
119	*	*	0.00	0.000	0.000	0.3500	0.1058	.2726E-01	.3191E-07
120	*	*	0.00	0.000	0.000	0.3500	0.0807	.2078E-01	.2433E-07
121	*	*	0.00	0.000	0.000	0.3500	0.0816	.2101E-01	.2459E-07
122	*	*	0.00	0.000	0.000	0.3500	0.1016	.2618E-01	.3064E-07
123	*	*	0.00	0.000	0.000	0.3500	0.1291	.3326E-01	.3894E-07
124	*	*	0.00	0.000	0.000	0.3500	0.1562	.4023E-01	.4709E-07
125	*	*	0.15	0.000	0.014	0.3500	0.1793	.4618E-01	.5407E-07
126	*	*	0.00	0.000	0.000	0.3500	0.8290	.5310E-01	.2507E-06
127	*	*	0.00	0.000	0.000	0.3500	2.7093	.6687E-01	.8196E-06
128	*	*	0.00	0.000	0.000	0.3500	2.0285	.6247E-01	.6136E-06
129	*	*	0.60	0.000	0.014	0.3500	0.7884	.5302E-01	.2383E-06
130	*	*	0.00	0.000	0.000	0.3500	0.1795	.4624E-01	.5413E-07
131	*	*	0.00	0.000	0.000	0.3500	1.3738	.5736E-01	.4154E-06
132	*	*	0.00	0.000	0.000	0.3500	1.3370	.5778E-01	.4043E-06
133	*	*	1.26	0.000	0.014	0.3500	0.1796	.4625E-01	.5415E-07
134	*	*	0.01	0.000	0.007	0.3500	0.1506	.3880E-01	.4542E-07
135	*	*	0.00	0.000	0.000	0.3500	0.1570	.4044E-01	.4734E-07
136	*	*	0.41	0.000	0.014	0.3500	0.1612	.4153E-01	.4862E-07
137	*	*	0.00	0.000	0.000	0.3500	0.1385	.3568E-01	.4177E-07
138			0.00	0.000	0.035	0.0005	0.1416	.3647E-01	.4269E-07

139	0.00	0.000	0.000	0.0005	2.3178	.5359E-01	.7025E-06
140	0.18	0.000	0.062	0.0150	5.6226	.8563E-01	.1706E-05
141	0.07	0.000	0.096	0.0118	6.6436	.9221E-01	.2019E-05
142	0.43	0.000	0.095	0.0533	7.3523	.9677E-01	.2236E-05
143	0.00	0.000	0.086	0.0292	7.8676	.1001	.2393E-05
144	0.00	0.000	0.136	0.0095	8.2559	.1026	.2513E-05
145	0.00	0.000	0.037	0.0005	8.5523	.1045	.2604E-05
146	0.00	0.000	0.000	0.0005	8.9060	.1068	.2712E-05
147	0.00	0.000	0.000	0.0005	9.4996	.1108	.2895E-05
148	0.53	0.000	0.050	0.0605	9.6771	.1120	.2949E-05
149	0.00	0.000	0.080	0.0214	9.7464	.1125	.2971E-05
150	0.00	0.000	0.026	0.0144	9.7834	.1128	.2982E-05
151	0.00	0.000	0.028	0.0067	9.7941	.1128	.2985E-05
152	0.00	0.000	0.025	0.0005	9.7881	.1128	.2984E-05
153	0.00	0.000	0.000	0.0005	9.7581	.1126	.2974E-05
154	0.00	0.000	0.000	0.0005	9.6716	.1120	.2948E-05
155	0.00	0.000	0.000	0.0005	9.5866	.1114	.2922E-05
156	0.05	0.000	0.015	0.0048	9.5074	.1109	.2897E-05
157	0.21	0.000	0.023	0.0281	9.4289	.1103	.2873E-05
158	0.11	0.000	0.034	0.0376	9.3485	.1098	.2848E-05
159	0.00	0.000	0.168	0.0165	9.2649	.1092	.2823E-05
160	0.00	0.000	0.023	0.0129	9.1773	.1086	.2796E-05
161	0.03	0.000	0.034	0.0120	9.0913	.1080	.2769E-05
162	0.00	0.000	0.022	0.0093	9.0013	.1074	.2742E-05
163	0.00	0.000	0.025	0.0062	8.9001	.1068	.2710E-05
164	0.00	0.000	0.025	0.0005	8.7937	.1061	.2678E-05
165	0.00	0.000	0.000	0.0005	8.6928	.1054	.2647E-05
166	0.00	0.000	0.000	0.0005	8.5824	.1047	.2613E-05
167	0.00	0.000	0.000	0.0005	8.4665	.1039	.2577E-05
168	0.00	0.000	0.000	0.0005	8.3491	.1032	.2541E-05
169	0.00	0.000	0.000	0.0005	8.2309	.1024	.2505E-05
170	0.00	0.000	0.000	0.0005	8.1120	.1017	.2468E-05
171	0.00	0.000	0.000	0.0005	7.9924	.1009	.2432E-05
172	0.00	0.000	0.000	0.0005	7.8722	.1001	.2395E-05
173	0.00	0.000	0.000	0.0005	7.7513	.9934E-01	.2358E-05
174	0.00	0.000	0.000	0.0005	7.6299	.9856E-01	.2321E-05
175	0.00	0.000	0.000	0.0005	7.5079	.9777E-01	.2283E-05
176	0.00	0.000	0.000	0.0005	7.3856	.9698E-01	.2246E-05
177	0.00	0.000	0.000	0.0005	7.2628	.9619E-01	.2208E-05
178	0.00	0.000	0.000	0.0005	7.1399	.9540E-01	.2170E-05
179	0.02	0.000	0.013	0.0013	7.0167	.9461E-01	.2133E-05
180	0.00	0.000	0.002	0.0007	6.8922	.9381E-01	.2095E-05
181	0.00	0.000	0.001	0.0005	6.7710	.9303E-01	.2058E-05
182	0.00	0.000	0.000	0.0005	6.6516	.9226E-01	.2021E-05
183	0.00	0.000	0.000	0.0005	6.5294	.9147E-01	.1984E-05
184	0.73	0.000	0.025	0.0886	6.4061	.9068E-01	.1946E-05
185	0.00	0.000	0.082	0.0349	6.2823	.8988E-01	.1908E-05
186	0.08	0.000	0.071	0.0088	6.1729	.8918E-01	.1875E-05
187	0.41	0.000	0.085	0.0486	6.0611	.8846E-01	.1840E-05
188	0.01	0.000	0.088	0.0296	5.9216	.8756E-01	.1798E-05
189	0.02	0.000	0.125	0.0139	5.7720	.8659E-01	.1752E-05
190	0.00	0.000	0.074	0.0005	5.6131	.8557E-01	.1704E-05
191	0.02	0.000	0.020	0.0005	5.4624	.8460E-01	.1658E-05
192	0.00	0.000	0.000	0.0005	5.2941	.8352E-01	.1606E-05
193	0.05	0.000	0.019	0.0044	5.1213	.8240E-01	.1553E-05
194	0.58	0.000	0.052	0.0700	4.9636	.8139E-01	.1505E-05
195	0.01	0.000	0.084	0.0261	4.8327	.8055E-01	.1465E-05
196	0.00	0.000	0.152	0.0007	4.7488	.8001E-01	.1440E-05
197	0.00	0.000	0.001	0.0005	4.6706	.7950E-01	.1416E-05
198	0.16	0.000	0.051	0.0138	4.5466	.7870E-01	.1378E-05
199	0.10	0.000	0.066	0.0180	4.3917	.7771E-01	.1331E-05
200	0.31	0.000	0.080	0.0468	4.2524	.7681E-01	.1289E-05
201	0.00	0.000	0.163	0.0264	4.1453	.7612E-01	.1256E-05
202	0.07	0.000	0.073	0.0254	4.0639	.7560E-01	.1231E-05
203	0.26	0.000	0.098	0.0425	3.9950	.7515E-01	.1210E-05
204	0.00	0.000	0.186	0.0177	3.9490	.7486E-01	.1196E-05
205	0.00	0.000	0.076	0.0076	3.9072	.7459E-01	.1184E-05
206	0.00	0.000	0.039	0.0005	3.8426	.7417E-01	.1164E-05
207	0.00	0.000	0.000	0.0005	3.7852	.7380E-01	.1146E-05
208	0.00	0.000	0.000	0.0005	3.7121	.7333E-01	.1124E-05
209	0.00	0.000	0.000	0.0005	3.6311	.7281E-01	.1100E-05
210	0.00	0.000	0.000	0.0005	3.5528	.7230E-01	.1076E-05
211	0.00	0.000	0.000	0.0005	3.4790	.7183E-01	.1053E-05
212	0.00	0.000	0.000	0.0005	3.4087	.7138E-01	.1032E-05
213	0.00	0.000	0.000	0.0005	3.3407	.7094E-01	.1011E-05
214	0.00	0.000	0.000	0.0005	3.2741	.7051E-01	.9911E-06
215	0.03	0.000	0.020	0.0015	3.2079	.7008E-01	.9710E-06
216	0.47	0.000	0.056	0.0533	3.1422	.6966E-01	.9510E-06
217	0.00	0.000	0.116	0.0153	3.0788	.6925E-01	.9318E-06
218	0.00	0.000	0.078	0.0050	3.0286	.6893E-01	.9165E-06
219	0.35	0.000	0.086	0.0375	2.9695	.6855E-01	.8986E-06
220	0.00	0.000	0.131	0.0204	2.8614	.6785E-01	.8658E-06

221	0.00	0.000	0.111	0.0065	2.7516	.6714E-01	.8324E-06
222	0.00	0.000	0.025	0.0005	2.0368	.6239E-01	.6161E-06
223	0.00	0.000	0.000	0.0005	1.3852	.5802E-01	.4189E-06
224	0.02	0.000	0.020	0.0005	0.1941	.5000E-01	.5854E-07
225	0.35	0.000	0.055	0.0373	0.1873	.4825E-01	.5649E-07
226	0.00	0.000	0.121	0.0222	0.1753	.4515E-01	.5286E-07
227	0.00	0.000	0.132	0.0057	0.1626	.4189E-01	.4904E-07
228	0.00	0.000	0.022	0.0005	0.1526	.3930E-01	.4601E-07
229	0.00	0.000	0.000	0.0005	0.1422	.3663E-01	.4289E-07
230	0.00	0.000	0.000	0.0005	0.1394	.3590E-01	.4203E-07
231	0.01	0.000	0.010	0.0005	0.1388	.3575E-01	.4185E-07
232	0.00	0.000	0.000	0.0005	0.1381	.3558E-01	.4165E-07
233	0.00	0.000	0.000	0.0005	0.1373	.3538E-01	.4141E-07
234	0.00	0.000	0.000	0.0005	0.1366	.3519E-01	.4120E-07
235	0.00	0.000	0.000	0.0005	0.1361	.3506E-01	.4104E-07
236	0.03	0.000	0.023	0.0013	0.1358	.3497E-01	.4094E-07
237	1.03	0.000	0.068	0.1215	0.1357	.3496E-01	.4092E-07
238	0.00	0.000	0.067	0.0540	0.1353	.3486E-01	.4080E-07
239	0.00	0.000	0.092	0.0058	0.1287	.3316E-01	.3881E-07
240	0.00	0.000	0.022	0.0005	0.1356	.3492E-01	.4088E-07
241	0.00	0.000	0.000	0.0005	0.1448	.3729E-01	.4366E-07
242	3.23	0.000	0.135	0.1939	0.1538	.3961E-01	.4636E-07
243	0.00	0.000	0.039	0.0005	0.1471	.3789E-01	.4436E-07
244	0.00	0.000	0.000	0.0005	0.1436	.3698E-01	.4329E-07
245	0.01	0.000	0.010	0.0005	0.1181	.3043E-01	.3562E-07
246	0.00	0.000	0.000	0.0005	0.1260	.3245E-01	.3799E-07
247	0.00	0.000	0.000	0.0005	3.7695	.7370E-01	.1142E-05
248	0.00	0.000	0.000	0.0005	4.1913	.7642E-01	.1270E-05
249	1.07	0.000	0.078	0.1246	4.5347	.7863E-01	.1375E-05
250	0.00	0.000	0.037	0.0588	4.8069	.8038E-01	.1458E-05
251	0.00	0.000	0.068	0.0072	4.9799	.8149E-01	.1510E-05
252	0.00	0.000	0.027	0.0005	4.9385	.8123E-01	.1498E-05
253	0.00	0.000	0.000	0.0005	4.8247	.8049E-01	.1463E-05
254	0.00	0.000	0.000	0.0005	5.0401	.8188E-01	.1529E-05
255	0.00	0.000	0.000	0.0005	5.3317	.8376E-01	.1618E-05
256	0.24	0.000	0.059	0.0232	5.5831	.8538E-01	.1694E-05
257	0.09	0.000	0.073	0.0253	5.7917	.8672E-01	.1758E-05
258	0.20	0.000	0.072	0.0408	5.9613	.8781E-01	.1810E-05
259	1.10	0.000	0.077	0.1513	6.1027	.8872E-01	.1853E-05
260	0.00	0.000	0.084	0.0494	6.2212	.8949E-01	.1889E-05
261	0.00	0.000	0.050	0.0022	6.2353	.8958E-01	.1894E-05
262	0.17	0.000	0.047	0.0168	6.1229	.8885E-01	.1859E-05
263	0.03	0.000	0.053	0.0139	5.9824	.8795E-01	.1816E-05
264	0.05	0.000	0.057	0.0127	6.1617	.8910E-01	.1871E-05
265	0.32	0.000	0.076	0.0428	6.4224	.9078E-01	.1951E-05
266	0.00	0.000	0.037	0.0321	6.6405	.9219E-01	.2018E-05
267	0.00	0.000	0.053	0.0207	6.8311	.9341E-01	.2076E-05
268	0.00	0.000	0.047	0.0087	6.9789	.9437E-01	.2121E-05
269	0.01	0.000	0.041	0.0005	7.0565	.9487E-01	.2145E-05
270	0.00	0.000	0.000	0.0005	7.0644	.9492E-01	.2147E-05
271	0.00	0.000	0.000	0.0005	7.0585	.9488E-01	.2146E-05
272	0.37	0.000	0.046	0.0406	7.0901	.9508E-01	.2155E-05
273	0.54	0.000	0.070	0.0821	7.1281	.9533E-01	.2167E-05
274	0.35	0.000	0.083	0.0650	7.1609	.9554E-01	.2177E-05
275	0.00	0.000	0.083	0.0280	7.1562	.9551E-01	.2175E-05
276	0.14	0.000	0.099	0.0298	7.0274	.9468E-01	.2136E-05
277	0.00	0.000	0.080	0.0152	6.8591	.9359E-01	.2084E-05
278	0.00	0.000	0.064	0.0032	6.8736	.9369E-01	.2089E-05
279	0.23	0.000	0.072	0.0229	6.9165	.9396E-01	.2102E-05
280	0.11	0.000	0.068	0.0282	6.9545	.9421E-01	.2114E-05
281	0.00	0.000	0.044	0.0227	7.0190	.9462E-01	.2133E-05
282	0.01	0.000	0.059	0.0159	7.0795	.9501E-01	.2152E-05
283	0.00	0.000	0.044	0.0103	7.1352	.9537E-01	.2169E-05
284	0.00	0.000	0.039	0.0050	7.1688	.9559E-01	.2179E-05
285	0.00	0.000	0.019	0.0027	7.1888	.9572E-01	.2185E-05
286	0.05	0.000	0.028	0.0044	7.1944	.9575E-01	.2187E-05
287	0.43	0.000	0.037	0.0535	7.1928	.9574E-01	.2187E-05
288	0.03	0.000	0.048	0.0239	7.1716	.9561E-01	.2180E-05
289	0.00	0.000	0.033	0.0145	7.1588	.9552E-01	.2176E-05
290	0.00	0.000	0.030	0.0069	7.0710	.9496E-01	.2149E-05
291	0.03	0.000	0.044	0.0021	6.9139	.9395E-01	.2101E-05
292 *	0.41	0.000	0.018	0.0045	6.8005	.9322E-01	.2067E-05
293 *	0.33	0.000	0.023	0.0070	6.6918	.9252E-01	.2033E-05
294 *	0.40	0.000	0.000	0.0095	6.6148	.9202E-01	.2010E-05
295 *	0.09	0.000	0.013	0.0117	6.5619	.9168E-01	.1994E-05
296 *	0.70	0.000	0.018	0.0142	6.5204	.9141E-01	.1981E-05
297 *	0.54	0.000	0.019	0.0163	6.4778	.9114E-01	.1968E-05
298 *	0.00	0.000	0.022	0.0188	6.4323	.9085E-01	.1954E-05
299	0.00	0.000	0.000	0.0212	6.3859	.9055E-01	.1940E-05
300 *	0.06	0.000	0.000	0.0234	6.3318	.9020E-01	.1923E-05
301	0.00	0.000	0.024	0.0359	6.2766	.8984E-01	.1906E-05
302 *	0.27	0.000	0.031	0.0384	6.2168	.8946E-01	.1888E-05

EVAPOTRANSPIRATION	0.307	0.355	0.285	0.579	0.795	0.411
	1.710	1.428	1.162	1.170	0.401	0.323
SUBSURFACE INFLOW INTO LAYER 2	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.8424	0.5943	0.9583	1.8170	2.1060	3.1139
	2.4928	1.5051	2.4573	2.8896	2.9922	2.7858
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON TOP OF LAYER 4	0.106	0.082	0.631	2.135	3.705	8.432
	4.812	1.098	5.308	6.800	7.813	6.280
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.009	0.005	1.121	1.277	3.998	0.943
	1.029	1.347	1.984	0.361	1.138	1.055

ANNUAL TOTALS FOR YEAR 1995

	INCHES	CU. FEET	PERCENT
PRECIPITATION	34.01	123453.609	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	8.926	32399.911	26.24
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	8.93
DRAINAGE COLLECTED FROM LAYER 3	24.5546	89131.366	72.20
PERC./LEAKAGE THROUGH LAYER 5	0.000437	1.587	0.00
AVG. HEAD ON TOP OF LAYER 4	3.9334		
CHANGE IN WATER STORAGE	3.567	12948.476	10.49
SOIL WATER AT START OF YEAR	26.405	95846.494	
SOIL WATER AT END OF YEAR	28.294	102706.570	
SNOW WATER AT START OF YEAR	0.688	2498.103	2.02
SNOW WATER AT END OF YEAR	2.365	8586.503	6.96
ANNUAL WATER BUDGET BALANCE	0.0000	-0.002	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1996

DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK
I	I		WATER	#1	#1	#1			
R	L	IN.	IN.	IN.	IN./IN.	IN.	IN.	IN.	IN.

1	*	*	0.00	0.000	0.021	0.1692	4.4277	.7794E-01	.1342E-05
2	*	*	0.00	0.000	0.017	0.1692	4.3160	.7722E-01	.1308E-05
3	*	*	0.01	0.000	0.000	0.1692	4.2051	.7650E-01	.1274E-05
4	*	*	0.06	0.000	0.015	0.1692	4.0950	.7580E-01	.1241E-05
5	*	*	0.05	0.000	0.009	0.1692	3.9856	.7509E-01	.1207E-05
6	*	*	0.02	0.000	0.010	0.1692	3.8771	.7439E-01	.1174E-05
7	*	*	0.00	0.000	0.009	0.1692	3.7693	.7370E-01	.1142E-05
8	*	*	0.00	0.000	0.015	0.1692	3.6624	.7301E-01	.1109E-05
9	*	*	0.04	0.000	0.000	0.1692	3.5564	.7233E-01	.1077E-05
10	*	*	0.00	0.000	0.014	0.1692	3.4511	.7165E-01	.1045E-05
11	*	*	0.00	0.000	0.019	0.1692	3.3468	.7098E-01	.1013E-05
12	*	*	0.01	0.000	0.000	0.1692	3.2433	.7031E-01	.9817E-06
13	*	*	0.00	0.000	0.018	0.1692	3.1407	.6965E-01	.9506E-06
14	*	*	0.05	0.000	0.000	0.1692	3.0389	.6900E-01	.9197E-06
15	*	*	0.16	0.000	0.012	0.1692	2.9381	.6835E-01	.8890E-06
16	*	*	0.19	0.000	0.012	0.1692	2.8381	.6770E-01	.8587E-06
17	*	*	0.04	0.000	0.012	0.1692	2.7391	.6706E-01	.8286E-06
18	*	*	1.13	0.000	0.012	0.1692	2.6409	.6643E-01	.7989E-06
19	*	*	0.27	0.000	0.009	0.1692	1.3775	.5803E-01	.4165E-06
20	*	*	0.05	0.000	0.008	0.1692	0.1933	.4979E-01	.5829E-07
21	*	*	0.01	0.000	0.000	0.1692	0.1862	.4795E-01	.5614E-07
22	*	*	0.04	0.000	0.000	0.1692	0.1749	.4505E-01	.5274E-07
23	*	*	0.00	0.000	0.015	0.1692	0.1627	.4190E-01	.4905E-07
24	*	*	0.04	0.000	0.011	0.1692	0.1510	.3888E-01	.4552E-07
25	*	*	0.03	0.000	0.011	0.1692	0.1404	.3616E-01	.4233E-07
26	*	*	0.03	0.000	0.009	0.1692	0.1312	.3380E-01	.3956E-07
27	*	*	0.50	0.000	0.010	0.1692	0.1234	.3178E-01	.3720E-07
28	*	*	0.06	0.000	0.010	0.1692	0.1168	.3009E-01	.3522E-07
29	*	*	0.70	0.000	0.000	0.1692	0.1113	.2867E-01	.3356E-07
30	*	*	0.14	0.000	0.000	0.1692	0.1067	.2749E-01	.3218E-07
31	*	*	0.08	0.000	0.000	0.1692	0.1029	.2651E-01	.3103E-07
32	*	*	0.06	0.000	0.000	0.1692	0.0998	.2570E-01	.3008E-07
33	*	*	0.04	0.000	0.000	0.1692	0.0971	.2501E-01	.2928E-07
34	*	*	0.01	0.000	0.000	0.1692	0.0949	.2443E-01	.2860E-07
35	*	*	0.00	0.000	0.014	0.1692	0.0929	.2394E-01	.2802E-07
36	*	*	0.01	0.000	0.012	0.1692	0.0913	.2352E-01	.2753E-07
37	*	*	0.00	0.000	0.019	0.1692	0.0899	.2315E-01	.2710E-07
38	*	*	0.10	0.000	0.000	0.1692	0.0886	.2283E-01	.2672E-07
39	*	*	0.03	0.000	0.000	0.1692	0.0875	.2254E-01	.2639E-07
40	*	*	0.20	0.000	0.000	0.1692	0.0865	.2228E-01	.2608E-07
41	*	*	0.65	0.000	0.000	0.1692	0.0856	.2205E-01	.2581E-07
42	*	*	0.25	0.000	0.000	0.1692	0.0848	.2183E-01	.2556E-07
43	*	*	0.00	0.000	0.017	0.1692	0.0840	.2163E-01	.2532E-07
44	*	*	0.17	0.000	0.020	0.1692	0.0832	.2144E-01	.2510E-07
45	*	*	0.03	0.000	0.019	0.1692	0.0826	.2126E-01	.2489E-07
46	*	*	0.00	0.000	0.022	0.1692	0.0819	.2110E-01	.2469E-07
47	*	*	0.02	0.000	0.000	0.1692	0.0813	.2093E-01	.2450E-07
48	*	*	0.04	0.000	0.015	0.1692	0.0807	.2078E-01	.2432E-07
49	*	*	0.00	0.000	0.022	0.1692	0.0801	.2063E-01	.2414E-07
50	*	*	0.02	0.000	0.000	0.1692	0.0795	.2048E-01	.2397E-07
51	*	*	0.00	0.000	0.021	0.1692	0.0790	.2034E-01	.2381E-07
52	*	*	0.00	0.000	0.020	0.1692	0.0784	.2020E-01	.2365E-07
53	*	*	0.00	0.000	0.027	0.1692	0.0779	.2007E-01	.2349E-07
54	*	*	0.52	0.000	0.000	0.1692	0.0774	.1994E-01	.2334E-07
55	*	*	0.10	0.000	0.000	0.1692	0.0769	.1981E-01	.2319E-07
56	*	*	0.00	0.000	0.029	0.1692	0.0764	.1969E-01	.2305E-07
57	*	*	0.00	0.000	0.036	0.1692	0.0760	.1957E-01	.2290E-07
58	*	*	0.27	0.000	0.025	0.1692	0.0755	.1945E-01	.2277E-07
59	*	*	0.25	0.000	0.000	0.1692	0.0751	.1933E-01	.2263E-07
60	*	*	0.00	0.000	0.027	0.1692	0.0746	.1922E-01	.2250E-07
61	*	*	0.09	0.000	0.000	0.1692	0.0742	.1911E-01	.2237E-07
62	*	*	0.29	0.000	0.025	0.1692	0.0738	.1900E-01	.2224E-07
63	*	*	0.04	0.000	0.015	0.1692	0.0733	.1889E-01	.2211E-07
64	*	*	0.02	0.000	0.000	0.1692	0.0729	.1878E-01	.2199E-07
65	*	*	0.00	0.000	0.024	0.1692	0.0725	.1868E-01	.2187E-07
66	*	*	0.00	0.000	0.017	0.1692	0.0721	.1858E-01	.2175E-07
67	*	*	0.00	0.000	0.020	0.1692	0.0717	.1848E-01	.2163E-07
68	*	*	0.02	0.000	0.013	0.1692	0.0714	.1838E-01	.2152E-07
69	*	*	0.00	0.000	0.012	0.1692	0.0710	.1829E-01	.2140E-07
70	*	*	0.00	0.000	0.000	0.1692	0.0706	.1819E-01	.2129E-07
71	*	*	0.00	0.000	0.000	0.1692	0.0703	.1810E-01	.2118E-07
72	*	*	0.00	0.000	0.030	0.1692	0.0699	.1801E-01	.2108E-07
73	*	*	0.00	0.000	0.026	0.1692	0.0696	.1792E-01	.2097E-07
74	*	*	0.16	0.000	0.000	0.1692	0.0692	.1783E-01	.2087E-07
75	*	*	0.10	0.000	0.000	0.1692	0.0689	.1774E-01	.2077E-07
76	*	*	0.00	0.000	0.025	0.1692	0.0685	.1766E-01	.2067E-07
77	*	*	0.03	0.000	0.029	0.1692	0.0682	.1757E-01	.2057E-07
78	*	*	0.02	0.000	0.027	0.1692	0.0679	.1749E-01	.2047E-07
79	*	*	0.00	0.000	0.000	0.1692	0.0676	.1741E-01	.2038E-07
80	*	*	0.00	0.000	0.041	0.1692	0.0673	.1733E-01	.2028E-07
81	*	*	0.00	0.000	0.032	0.1692	0.0670	.1725E-01	.2019E-07
82	*	*	0.00	0.000	0.000	0.2967	0.0667	.1717E-01	.2010E-07

83	*	0.00	0.000	0.000	0.3500	0.0664	.1710E-01	.2002E-07
84	*	0.39	0.000	0.000	0.3500	0.0649	.1671E-01	.1956E-07
85	*	1.26	0.000	0.000	0.3500	0.0613	.1580E-01	.1849E-07
86	*	0.01	0.000	0.000	0.3500	0.0622	.1601E-01	.1874E-07
87	*	0.00	0.000	0.035	0.3500	0.0622	.1602E-01	.1875E-07
88	*	0.00	0.000	0.038	0.3500	0.0468	.1205E-01	.1410E-07
89	*	0.01	0.000	0.033	0.3500	2.1724	.5175E-01	.6583E-06
90	*	0.18	0.000	0.034	0.3500	4.9597	.8136E-01	.1504E-05
91	*	0.00	0.000	0.024	0.3500	5.7086	.8619E-01	.1733E-05
92	*	0.00	0.000	0.034	0.3500	6.2745	.8983E-01	.1906E-05
93	*	0.02	0.000	0.000	0.3500	6.7106	.9264E-01	.2039E-05
94	*	0.07	0.000	0.000	0.3500	7.0806	.9502E-01	.2152E-05
95	*	0.02	0.000	0.000	0.3500	7.6375	.9861E-01	.2323E-05
96	*	0.00	0.000	0.000	0.3500	7.6778	.9887E-01	.2335E-05
97	*	0.00	0.000	0.000	0.3500	7.9300	.1005	.2413E-05
98	*	0.00	0.000	0.000	0.3500	8.6827	.1054	.2644E-05
99	*	0.00	0.000	0.000	0.3500	9.3760	.1100	.2857E-05
100	*	0.00	0.000	0.000	0.3500	9.8991	.1136	.3018E-05
101	*	0.00	0.000	0.000	0.3500	10.2887	.1163	.3138E-05
102	*	0.21	0.000	0.012	0.3500	10.5836	.1184	.3229E-05
103	*	0.01	0.000	0.007	0.3500	10.7721	.1197	.3287E-05
104	*	0.09	0.000	0.065	0.3500	10.7890	.1198	.3292E-05
105	*	0.00	0.000	0.025	0.3500	10.8602	.1204	.3314E-05
106	*	0.27	0.000	0.012	0.3500	10.9471	.1210	.3341E-05
107	*	0.00	0.000	0.000	0.3500	10.9924	.1213	.3355E-05
108	*	0.00	0.000	0.000	0.3500	10.8475	.1203	.3310E-05
109	*	0.23	0.000	0.012	0.3500	10.8255	.1201	.3303E-05
110	*	0.00	0.000	0.000	0.3500	10.8453	.1202	.3309E-05
111	*	0.06	0.000	0.012	0.3500	10.6965	.1192	.3264E-05
112	*	0.14	0.000	0.012	0.3500	10.6951	.1192	.3263E-05
113	*	0.05	0.000	0.050	0.3500	10.6793	.1191	.3258E-05
114	*	0.04	0.000	0.040	0.3500	10.5339	.1180	.3213E-05
115	*	0.00	0.000	0.000	0.3500	10.4997	.1178	.3203E-05
116	*	1.02	0.000	0.038	0.3500	10.5112	.1179	.3206E-05
117	*	0.17	0.000	0.046	0.3500	10.5200	.1179	.3209E-05
118	*	0.00	0.000	0.042	0.3500	10.5175	.1179	.3208E-05
119	*	0.00	0.000	0.056	0.3500	10.5172	.1179	.3208E-05
120	*	0.01	0.000	0.000	0.3500	10.3973	.1170	.3171E-05
121	*	0.67	0.000	0.012	0.3500	10.2783	.1162	.3135E-05
122	*	0.14	0.000	0.012	0.3500	10.0955	.1149	.3078E-05
123	*	0.00	0.000	0.000	0.3500	9.8935	.1135	.3016E-05
124	*	0.00	0.000	0.000	0.3500	9.7021	.1122	.2957E-05
125	*	0.00	0.000	0.000	0.3500	9.9022	.1136	.3019E-05
126	*	0.00	0.000	0.000	0.3500	10.2027	.1157	.3111E-05
127	*	0.00	0.000	0.000	0.3500	10.4546	.1175	.3189E-05
128	*	0.16	0.000	0.012	0.3500	10.6480	.1188	.3249E-05
129		0.00	0.000	0.041	0.0005	10.8075	.1200	.3298E-05
130		0.07	0.000	0.023	0.0064	12.4744	4.438	.3611E-05
131	*	0.14	0.000	0.098	0.0089	0.0433	.1114E-01	.1347E-07
132		0.00	0.000	0.075	0.0024	4.2616	.7687E-01	.1291E-05
133		0.00	0.000	0.010	0.0005	4.9563	.8134E-01	.1503E-05
134		0.00	0.000	0.000	0.0005	5.4746	.8468E-01	.1661E-05
135		0.00	0.000	0.000	0.0005	5.8774	.8727E-01	.1784E-05
136		0.00	0.000	0.000	0.0005	6.1930	.8931E-01	.1881E-05
137		0.00	0.000	0.000	0.0005	6.6790	.9243E-01	.2029E-05
138		0.07	0.000	0.014	0.0074	7.2148	.9589E-01	.2193E-05
139		0.03	0.000	0.022	0.0083	7.3840	.9697E-01	.2245E-05
140		0.78	0.000	0.029	0.1022	7.4788	.9759E-01	.2274E-05
141		0.00	0.000	0.101	0.0372	7.5454	.9801E-01	.2295E-05
142		0.00	0.000	0.039	0.0027	7.5925	.9832E-01	.2309E-05
143		0.00	0.000	0.010	0.0005	7.5857	.9827E-01	.2307E-05
144		0.00	0.000	0.000	0.0005	7.4423	.9735E-01	.2263E-05
145		0.00	0.000	0.000	0.0005	7.3490	.9675E-01	.2235E-05
146		0.00	0.000	0.000	0.0005	7.3196	.9656E-01	.2225E-05
147		0.00	0.000	0.000	0.0005	7.3061	.9647E-01	.2221E-05
148		0.00	0.000	0.000	0.0005	7.2920	.9638E-01	.2217E-05
149		0.00	0.000	0.000	0.0005	7.2727	.9626E-01	.2211E-05
150		0.00	0.000	0.000	0.0005	7.2470	.9609E-01	.2203E-05
151		0.00	0.000	0.000	0.0005	7.2143	.9588E-01	.2193E-05
152		0.00	0.000	0.000	0.0005	7.1749	.9563E-01	.2181E-05
153		0.22	0.000	0.020	0.0254	7.1291	.9533E-01	.2167E-05
154		0.98	0.000	0.028	0.1440	7.0772	.9500E-01	.2151E-05
155		0.32	0.000	0.155	0.0856	7.0235	.9465E-01	.2135E-05
156		0.07	0.000	0.146	0.0340	6.9782	.9436E-01	.2121E-05
157		0.00	0.000	0.118	0.0173	6.8619	.9361E-01	.2085E-05
158		0.47	0.000	0.167	0.0525	6.7006	.9257E-01	.2036E-05
159		0.00	0.000	0.111	0.0147	6.5099	.9135E-01	.1978E-05
160		0.00	0.000	0.078	0.0048	6.4279	.9082E-01	.1953E-05
161		0.00	0.000	0.025	0.0005	6.3353	.9022E-01	.1924E-05
162		0.00	0.000	0.000	0.0005	6.2517	.8968E-01	.1899E-05
163		0.00	0.000	0.000	0.0005	6.2517	.8968E-01	.1899E-05
164		0.00	0.000	0.000	0.0005	6.2801	.8987E-01	.1907E-05

165	0.00	0.000	0.000	0.0005	6.3096	.9006E-01	.1916E-05
166	0.00	0.000	0.000	0.0005	6.3322	.9020E-01	.1923E-05
167	0.00	0.000	0.000	0.0005	6.3456	.9029E-01	.1927E-05
168	0.08	0.000	0.014	0.0085	6.3494	.9031E-01	.1929E-05
169	0.00	0.000	0.010	0.0073	6.3448	.9028E-01	.1927E-05
170	0.00	0.000	0.018	0.0050	6.3321	.9020E-01	.1923E-05
171	0.03	0.000	0.028	0.0044	6.3080	.9005E-01	.1916E-05
172	0.00	0.000	0.017	0.0016	6.2819	.8988E-01	.1908E-05
173	0.32	0.000	0.027	0.0380	6.2533	.8969E-01	.1899E-05
174	0.00	0.000	0.014	0.0255	6.2100	.8941E-01	.1886E-05
175	0.18	0.000	0.034	0.0380	6.1574	.8908E-01	.1870E-05
176	0.00	0.000	0.147	0.0162	6.1143	.8880E-01	.1857E-05
177	0.00	0.000	0.019	0.0104	6.0322	.8827E-01	.1832E-05
178	0.00	0.000	0.024	0.0069	5.9348	.8764E-01	.1802E-05
179	0.01	0.000	0.032	0.0034	5.8039	.8680E-01	.1762E-05
180	0.93	0.000	0.046	0.1125	5.6803	.8600E-01	.1724E-05
181	1.08	0.000	0.188	0.1694	5.5823	.8537E-01	.1694E-05
182	0.00	0.000	0.118	0.0448	5.5201	.8497E-01	.1675E-05
183	0.09	0.000	0.084	0.0163	5.4247	.8436E-01	.1646E-05
184	0.02	0.000	0.090	0.0038	5.2995	.8355E-01	.1608E-05
185	0.00	0.000	0.014	0.0020	5.1414	.8253E-01	.1560E-05
186	0.00	0.000	0.006	0.0005	5.0113	.8170E-01	.1520E-05
187	0.26	0.000	0.047	0.0271	5.1018	.8228E-01	.1548E-05
188	0.39	0.000	0.070	0.0667	5.2321	.8312E-01	.1587E-05
189	0.00	0.000	0.146	0.0305	5.3595	.8394E-01	.1626E-05
190	0.07	0.000	0.179	0.0130	5.4245	.8436E-01	.1646E-05
191	0.00	0.000	0.059	0.0020	5.4345	.8442E-01	.1649E-05
192	0.00	0.000	0.006	0.0005	5.4500	.8452E-01	.1654E-05
193	0.12	0.000	0.051	0.0091	5.4522	.8453E-01	.1654E-05
194	0.39	0.000	0.055	0.0511	5.4778	.8470E-01	.1662E-05
195	0.08	0.000	0.203	0.0341	5.5122	.8492E-01	.1673E-05
196	0.01	0.000	0.058	0.0251	5.5522	.8518E-01	.1685E-05
197	0.00	0.000	0.080	0.0117	5.5976	.8547E-01	.1699E-05
198	0.00	0.000	0.054	0.0005	5.6256	.8565E-01	.1707E-05
199	0.00	0.000	0.000	0.0005	5.6219	.8563E-01	.1706E-05
200	0.05	0.000	0.023	0.0039	5.5551	.8520E-01	.1686E-05
201	0.00	0.000	0.019	0.0013	5.5047	.8487E-01	.1670E-05
202	0.00	0.000	0.003	0.0005	5.4716	.8466E-01	.1660E-05
203	0.00	0.000	0.000	0.0005	5.4438	.8448E-01	.1652E-05
204	0.06	0.000	0.021	0.0054	5.4101	.8426E-01	.1642E-05
205	0.00	0.000	0.028	0.0020	5.3739	.8403E-01	.1631E-05
206	0.00	0.000	0.007	0.0011	5.3352	.8378E-01	.1619E-05
207	0.00	0.000	0.003	0.0005	5.2929	.8351E-01	.1606E-05
208	0.00	0.000	0.000	0.0005	5.2523	.8325E-01	.1593E-05
209	0.00	0.000	0.000	0.0005	5.2042	.8294E-01	.1579E-05
210	0.19	0.000	0.048	0.0180	5.1515	.8260E-01	.1563E-05
211	0.00	0.000	0.064	0.0101	5.0956	.8224E-01	.1546E-05
212	0.18	0.000	0.093	0.0204	5.0383	.8187E-01	.1528E-05
213	0.00	0.000	0.118	0.0055	4.9775	.8148E-01	.1510E-05
214	0.00	0.000	0.028	0.0020	4.9167	.8109E-01	.1491E-05
215	0.00	0.000	0.006	0.0005	4.8495	.8065E-01	.1471E-05
216	0.00	0.000	0.000	0.0005	4.7830	.8023E-01	.1450E-05
217	0.00	0.000	0.000	0.0005	4.7115	.7977E-01	.1429E-05
218	0.95	0.000	0.101	0.1066	4.6371	.7929E-01	.1406E-05
219	0.00	0.000	0.108	0.0418	4.5607	.7879E-01	.1383E-05
220	0.21	0.000	0.156	0.0220	4.4999	.7840E-01	.1364E-05
221	0.00	0.000	0.102	0.0056	4.4275	.7794E-01	.1342E-05
222	0.00	0.000	0.028	0.0012	4.3159	.7722E-01	.1308E-05
223	0.00	0.000	0.003	0.0005	4.1645	.7624E-01	.1262E-05
224	0.00	0.000	0.000	0.0005	4.0194	.7531E-01	.1218E-05
225	0.00	0.000	0.000	0.0005	3.9043	.7457E-01	.1183E-05
226	0.00	0.000	0.000	0.0005	3.8247	.7405E-01	.1158E-05
227	0.31	0.000	0.088	0.0282	3.7665	.7368E-01	.1141E-05
228	0.15	0.000	0.140	0.0291	3.7168	.7336E-01	.1126E-05
229	0.00	0.000	0.153	0.0100	3.6748	.7309E-01	.1113E-05
230	0.00	0.000	0.041	0.0047	3.6302	.7280E-01	.1099E-05
231	0.00	0.000	0.025	0.0005	3.5833	.7250E-01	.1085E-05
232	0.28	0.000	0.087	0.0246	3.5436	.7225E-01	.1073E-05
233	0.00	0.000	0.081	0.0146	3.4962	.7194E-01	.1059E-05
234	0.00	0.000	0.088	0.0036	3.4433	.7160E-01	.1043E-05
235	0.18	0.000	0.081	0.0149	3.3867	.7123E-01	.1025E-05
236	0.04	0.000	0.088	0.0089	3.3366	.7091E-01	.1010E-05
237	0.00	0.000	0.050	0.0027	3.2822	.7056E-01	.9936E-06
238	0.00	0.000	0.012	0.0005	3.2217	.7017E-01	.9752E-06
239	0.00	0.000	0.000	0.0005	3.1649	.6981E-01	.9579E-06
240	0.00	0.000	0.000	0.0005	3.1057	.6943E-01	.9400E-06
241	0.00	0.000	0.000	0.0005	3.0431	.6902E-01	.9209E-06
242	0.00	0.000	0.000	0.0005	2.9791	.6861E-01	.9015E-06
243	0.00	0.000	0.000	0.0005	2.9146	.6819E-01	.8819E-06
244	0.00	0.000	0.000	0.0005	2.8496	.6778E-01	.8622E-06
245	0.00	0.000	0.000	0.0005	2.7842	.6735E-01	.8423E-06
246	0.48	0.000	0.042	0.0553	2.7184	.6693E-01	.8224E-06

247	0.00	0.000	0.022	0.0253	2.0445	.6257E-01	.6184E-06
248	0.00	0.000	0.012	0.0015	0.7982	.5358E-01	.2413E-06
249	0.00	0.000	0.005	0.0005	0.1941	.5000E-01	.5854E-07
250	0.00	0.000	0.000	0.0005	1.3703	.5796E-01	.4144E-06
251	0.00	0.000	0.000	0.0005	0.7585	.5389E-01	.2293E-06
252	0.02	0.000	0.015	0.0011	0.1906	.4910E-01	.5749E-07
253	0.00	0.000	0.002	0.0005	0.1775	.4572E-01	.5353E-07
254	0.20	0.000	0.031	0.0216	0.1550	.3992E-01	.4673E-07
255	0.36	0.000	0.102	0.0539	0.1322	.3406E-01	.3987E-07
256	0.23	0.000	0.091	0.0529	0.1163	.2996E-01	.3507E-07
257	0.01	0.000	0.073	0.0428	0.0991	.2553E-01	.2989E-07
258	0.05	0.000	0.076	0.0373	0.0993	.2557E-01	.2993E-07
259	0.02	0.000	0.064	0.0287	0.1172	.3019E-01	.3534E-07
260	0.00	0.000	0.068	0.0168	0.1245	.3207E-01	.3755E-07
261	0.00	0.000	0.075	0.0021	0.1244	.3205E-01	.3752E-07
262	0.00	0.000	0.007	0.0005	0.1146	.2953E-01	.3457E-07
263	0.00	0.000	0.000	0.0005	0.1099	.2830E-01	.3313E-07
264	0.01	0.000	0.010	0.0005	0.1180	.3040E-01	.3559E-07
265	0.00	0.000	0.000	0.0005	0.1181	.3043E-01	.3562E-07
266	0.00	0.000	0.000	0.0005	0.1089	.2805E-01	.3284E-07
267	0.00	0.000	0.000	0.0005	0.0961	.2476E-01	.2898E-07
268	0.06	0.000	0.018	0.0057	0.0858	.2209E-01	.2585E-07
269	0.00	0.000	0.011	0.0034	0.0821	.2115E-01	.2475E-07
270 *	0.34	0.000	0.030	0.0058	0.0798	.2055E-01	.2405E-07
271	0.27	0.000	0.000	0.0759	0.0855	.2203E-01	.2579E-07
272	0.05	0.000	0.071	0.0342	0.0974	.2510E-01	.2938E-07
273	0.00	0.000	0.032	0.0005	0.1020	.2626E-01	.3074E-07
274	0.02	0.000	0.016	0.0010	0.1155	.2975E-01	.3482E-07
275	0.00	0.000	0.002	0.0005	0.1380	.3555E-01	.4162E-07
276	0.01	0.000	0.010	0.0005	0.1563	.4027E-01	.4714E-07
277	0.00	0.000	0.000	0.0005	0.1557	.4010E-01	.4694E-07
278	0.00	0.000	0.000	0.0005	0.1380	.3555E-01	.4162E-07
279	0.00	0.000	0.000	0.0005	0.1163	.2997E-01	.3508E-07
280	0.06	0.000	0.019	0.0056	0.1017	.2620E-01	.3067E-07
281	0.00	0.000	0.017	0.0034	0.0978	.2518E-01	.2947E-07
282	0.00	0.000	0.018	0.0011	0.1027	.2646E-01	.3097E-07
283	0.11	0.000	0.032	0.0106	0.1131	.2912E-01	.3409E-07
284	0.01	0.000	0.025	0.0087	0.1242	.3199E-01	.3745E-07
285	0.00	0.000	0.017	0.0056	0.1379	.3551E-01	.4157E-07
286	0.00	0.000	0.014	0.0026	0.1472	.3793E-01	.4440E-07
287	0.00	0.000	0.009	0.0014	0.1542	.3973E-01	.4651E-07
288	0.00	0.000	0.004	0.0005	0.1650	.4250E-01	.4975E-07
289	0.01	0.000	0.009	0.0005	0.1714	.4415E-01	.5168E-07
290	0.00	0.000	0.000	0.0005	0.1759	.4531E-01	.5305E-07
291 *	0.56	0.000	0.030	0.0028	0.1778	.4580E-01	.5362E-07
292 *	0.04	0.000	0.026	0.0053	0.1762	.4538E-01	.5313E-07
293 *	0.00	0.000	0.018	0.0077	0.1740	.4482E-01	.5247E-07
294 *	0.00	0.000	0.024	0.0102	0.1711	.4406E-01	.5159E-07
295 *	0.02	0.000	0.000	0.0123	0.1683	.4335E-01	.5075E-07
296	0.03	0.000	0.000	0.0148	0.1645	.4238E-01	.4961E-07
297	0.26	0.000	0.000	0.1015	0.1616	.4163E-01	.4874E-07
298	0.06	0.000	0.047	0.0468	0.1597	.4114E-01	.4816E-07
299	0.01	0.000	0.032	0.0030	0.1494	.3849E-01	.4506E-07
300 *	0.00	0.000	0.000	0.0030	0.1548	.3986E-01	.4667E-07
301 *	0.00	0.000	0.000	0.0030	0.1624	.4184E-01	.4898E-07
302 *	0.00	0.000	0.000	0.0030	0.1709	.4402E-01	.5153E-07
303	0.98	0.000	0.039	0.1206	0.1696	.4368E-01	.5114E-07
304 *	0.19	0.000	0.025	0.0623	0.1566	.4033E-01	.4721E-07
305 *	0.09	0.000	0.000	0.0058	0.1239	.3192E-01	.3736E-07
306	0.10	0.000	0.000	0.0449	0.1071	.2759E-01	.3230E-07
307	0.00	0.000	0.022	0.0238	0.1129	.2908E-01	.3404E-07
308	0.00	0.000	0.029	0.0161	0.1120	.2884E-01	.3376E-07
309	0.00	0.000	0.035	0.0075	0.1128	.2905E-01	.3401E-07
310	0.05	0.000	0.050	0.0044	0.1165	.3000E-01	.3512E-07
311	0.07	0.000	0.031	0.0093	0.0900	.2319E-01	.2714E-07
312	0.00	0.000	0.025	0.0062	0.0727	.1873E-01	.2192E-07
313	0.00	0.000	0.023	0.0031	0.0778	.2003E-01	.2345E-07
314	0.65	0.000	0.035	0.0793	0.1129	.2909E-01	.3405E-07
315	0.19	0.000	0.043	0.0576	0.1641	.4227E-01	.4948E-07
316 *	0.09	0.000	0.035	0.0232	2.2578	.6385E-01	.6831E-06
317	0.02	0.000	0.035	0.0258	2.9431	.6838E-01	.8906E-06
318	0.10	0.000	0.046	0.0318	2.8238	.6761E-01	.8543E-06
319	0.02	0.000	0.043	0.0289	1.4963	.5876E-01	.4526E-06
320	0.63	0.000	0.042	0.0950	2.2189	.6356E-01	.6713E-06
321	0.40	0.000	0.055	0.0822	2.9755	.6859E-01	.9004E-06
322	0.08	0.000	0.045	0.0286	3.0493	.6906E-01	.9228E-06
323	0.00	0.000	0.025	0.0207	3.0066	.6879E-01	.9099E-06
324	0.00	0.000	0.028	0.0133	2.8976	.6809E-01	.8768E-06
325 *	0.00	0.000	0.022	0.0092	1.4981	.5814E-01	.4531E-06
326 *	0.00	0.000	0.018	0.0061	0.9204	.5398E-01	.2784E-06
327 *	0.03	0.000	0.019	0.0069	3.2420	.7030E-01	.9813E-06
328 *	0.01	0.000	0.010	0.0064	3.4315	.7152E-01	.1039E-05

329	*	0.04	0.000	0.012	0.0083	3.5961	.7258E-01	.1089E-05
330	*	0.05	0.000	0.017	0.0105	3.7407	.7351E-01	.1133E-05
331	*	0.08	0.000	0.016	0.0127	3.8594	.7428E-01	.1169E-05
332	*	0.00	0.000	0.018	0.0150	3.9571	.7491E-01	.1199E-05
333	*	0.00	0.000	0.025	0.0151	4.0371	.7542E-01	.1223E-05
334	*	0.02	0.000	0.032	0.0133	4.1018	.7584E-01	.1243E-05
335	*	0.55	0.000	0.023	0.0157	4.1551	.7618E-01	.1259E-05
336	*	0.00	0.000	0.022	0.0181	4.1922	.7642E-01	.1270E-05
337	*	0.03	0.000	0.020	0.0181	4.2171	.7658E-01	.1278E-05
338	*	0.04	0.000	0.020	0.0181	4.2320	.7668E-01	.1282E-05
339	*	0.00	0.000	0.019	0.0181	4.2381	.7672E-01	.1284E-05
340	*	0.13	0.000	0.018	0.0181	4.2364	.7671E-01	.1284E-05
341	*	0.13	0.000	0.020	0.0181	4.2277	.7665E-01	.1281E-05
342	*	0.01	0.000	0.018	0.0181	4.2125	.7655E-01	.1277E-05
343	*	0.11	0.000	0.014	0.0181	4.1914	.7642E-01	.1270E-05
344	*	0.09	0.000	0.000	0.0181	4.1649	.7625E-01	.1262E-05
345	*	0.00	0.000	0.024	0.0181	4.1335	.7604E-01	.1252E-05
346	*	0.00	0.000	0.015	0.0181	4.0977	.7581E-01	.1242E-05
347	*	0.00	0.000	0.018	0.0181	4.0578	.7556E-01	.1229E-05
348	*	0.00	0.000	0.015	0.0181	4.0141	.7527E-01	.1216E-05
349	*	0.00	0.000	0.017	0.0181	3.9671	.7497E-01	.1202E-05
350	*	0.62	0.000	0.015	0.0181	3.9170	.7465E-01	.1187E-05
351	*	0.00	0.000	0.016	0.0181	3.8641	.7431E-01	.1170E-05
352	*	0.00	0.000	0.013	0.0181	3.8087	.7395E-01	.1154E-05
353	*	0.11	0.000	0.015	0.0181	3.7509	.7358E-01	.1136E-05
354	*	0.16	0.000	0.012	0.0181	3.6910	.7319E-01	.1118E-05
355	*	0.00	0.000	0.020	0.0181	3.6293	.7280E-01	.1099E-05
356	*	0.11	0.000	0.013	0.0181	3.5658	.7239E-01	.1080E-05
357	*	0.07	0.000	0.012	0.0181	3.5008	.7197E-01	.1060E-05
358	*	0.08	0.000	0.011	0.0181	3.4343	.7154E-01	.1040E-05
359	*	0.28	0.000	0.011	0.0181	3.3666	.7111E-01	.1019E-05
360	*	0.12	0.000	0.000	0.0181	3.2978	.7066E-01	.9983E-06
361	*	0.01	0.000	0.000	0.0181	3.2280	.7021E-01	.9771E-06
362	*	0.17	0.000	0.000	0.0181	3.1573	.6976E-01	.9556E-06
363	*	0.00	0.000	0.020	0.0181	3.0857	.6930E-01	.9339E-06
364	*	0.07	0.000	0.000	0.0181	3.0135	.6883E-01	.9120E-06
365	*	0.15	0.000	0.014	0.0181	2.9407	.6836E-01	.8898E-06
366	*	0.00	0.000	0.017	0.0181	2.8674	.6789E-01	.8676E-06

MONTHLY TOTALS (IN INCHES) FOR YEAR 1996

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	3.71	2.77	2.62	3.08	1.39	4.69
	1.91	2.12	2.12	2.44	3.18	2.49
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	0.277	0.345	0.502	0.472	0.485	1.583
	1.624	1.465	0.873	0.417	0.858	0.430
SUBSURFACE INFLOW INTO	0.2580	0.2414	0.2580	0.2497	0.2580	0.2497
LAYER 2	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED	1.7932	0.6232	0.7108	3.3998	7.3393	2.7045
FROM LAYER 3	2.6000	2.2905	1.0949	1.1942	1.6512	2.2811
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
LAYER 5	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	2.140	0.083	0.476	9.829	7.680	6.324
TOP OF LAYER 4	5.349	3.799	0.444	0.150	2.043	3.752
STD. DEVIATION OF DAILY	1.712	0.007	1.354	1.431	2.352	0.408
HEAD ON TOP OF LAYER 4	0.186	0.631	0.762	0.024	1.583	0.449

ANNUAL TOTALS FOR YEAR 1996

	INCHES	CU. FEET	PERCENT
PRECIPITATION	32.52	118045.027	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.331	33871.611	28.69
SUBSURFACE INFLOW INTO LAYER 2		3.046331	11057.941 9.37
DRAINAGE COLLECTED FROM LAYER 3		27.6828	100486.397 85.13
PERC./LEAKAGE THROUGH LAYER 5		0.000390	1.417 0.00
AVG. HEAD ON TOP OF LAYER 4	3.5057		
CHANGE IN WATER STORAGE	-1.448	-5256.454	-4.45
SOIL WATER AT START OF YEAR	28.294	102706.570	
SOIL WATER AT END OF YEAR	26.664	96788.342	
SNOW WATER AT START OF YEAR	2.365	8586.503	7.27
SNOW WATER AT END OF YEAR	2.548	9248.276	7.83
ANNUAL WATER BUDGET BALANCE	0.0000	-0.002	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1997

S	DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK
	I	I								
	R	L	IN.	IN.	IN. IN./IN.	IN.	IN.	IN.		
1	*	*	0.00	0.000	0.019	0.0181	2.7936	.6742E-01	.8452E-06	
2	*	*	0.16	0.000	0.000	0.0181	2.7194	.6694E-01	.8227E-06	
3	*	*	0.02	0.000	0.019	0.0181	2.0398	.6253E-01	.6170E-06	
4	*	*	0.00	0.000	0.025	0.0181	1.3920	.5824E-01	.4209E-06	
5	*	*	0.45	0.000	0.000	0.0181	0.1924	.4955E-01	.5801E-07	
6	*	*	0.25	0.000	0.020	0.0181	0.1883	.4850E-01	.5678E-07	
7	*	*	0.18	0.000	0.017	0.0181	0.1810	.4662E-01	.5458E-07	
8	*	*	0.07	0.000	0.012	0.0181	0.1728	.4450E-01	.5210E-07	
9	*	*	0.00	0.000	0.014	0.0181	0.1647	.4243E-01	.4968E-07	
10	*	*	0.07	0.000	0.012	0.0181	0.1574	.4054E-01	.4746E-07	
11	*	*	0.40	0.000	0.011	0.0181	0.1509	.3886E-01	.4549E-07	
12	*	*	0.24	0.000	0.013	0.0181	0.1452	.3739E-01	.4377E-07	
13	*	*	0.10	0.000	0.011	0.0181	0.1402	.3612E-01	.4228E-07	
14	*	*	0.01	0.000	0.000	0.0181	0.1360	.3502E-01	.4099E-07	
15	*	*	0.00	0.000	0.009	0.0181	0.1322	.3406E-01	.3988E-07	
16	*	*	0.23	0.000	0.009	0.0181	0.1290	.3323E-01	.3890E-07	
17	*	*	0.21	0.000	0.000	0.0181	0.1262	.3249E-01	.3804E-07	
18	*	*	0.12	0.000	0.000	0.0181	0.1236	.3184E-01	.3727E-07	
19	*	*	0.03	0.000	0.000	0.0181	0.1213	.3125E-01	.3658E-07	
20	*	*	0.02	0.000	0.000	0.0181	0.1192	.3071E-01	.3595E-07	
21	*	*	0.00	0.000	0.019	0.0181	0.1173	.3022E-01	.3538E-07	
22	*	*	0.22	0.000	0.000	0.0181	0.1156	.2976E-01	.3484E-07	
23	*	*	0.57	0.000	0.000	0.0181	0.1139	.2934E-01	.3434E-07	
24	*	*	0.03	0.000	0.016	0.0181	0.1123	.2894E-01	.3387E-07	
25	*	*	0.37	0.000	0.015	0.0181	0.1109	.2856E-01	.3343E-07	

26	*	*	0.13	0.000	0.011	0.0181	0.1095	.2819E-01	.3300E-07
27	*	*	0.02	0.000	0.014	0.0181	0.1081	.2785E-01	.3260E-07
28	*	*	0.16	0.000	0.000	0.0181	0.1068	.2752E-01	.3221E-07
29	*	*	0.19	0.000	0.015	0.0181	0.1056	.2720E-01	.3184E-07
30	*	*	0.00	0.000	0.013	0.0181	0.1044	.2689E-01	.3148E-07
31	*	*	0.00	0.000	0.009	0.0181	0.1032	.2659E-01	.3113E-07
32	*	*	0.06	0.000	0.000	0.0181	0.1021	.2631E-01	.3079E-07
33	*	*	0.00	0.000	0.015	0.0181	0.1011	.2603E-01	.3047E-07
34	*	*	0.01	0.000	0.000	0.0181	0.1000	.2576E-01	.3015E-07
35	*	*	0.00	0.000	0.019	0.0181	0.0990	.2550E-01	.2985E-07
36	*	*	0.00	0.000	0.000	0.0181	0.0980	.2524E-01	.2955E-07
37	*	*	0.01	0.000	0.000	0.0181	0.0970	.2499E-01	.2926E-07
38	*	*	0.02	0.000	0.000	0.0181	0.0961	.2475E-01	.2898E-07
39	*	*	0.00	0.000	0.022	0.0181	0.0952	.2452E-01	.2870E-07
40	*	*	0.00	0.000	0.019	0.0181	0.0943	.2429E-01	.2843E-07
41	*	*	0.00	0.000	0.016	0.0181	0.0934	.2407E-01	.2817E-07
42	*	*	0.03	0.000	0.016	0.0181	0.0926	.2385E-01	.2792E-07
43	*	*	0.10	0.000	0.011	0.0181	0.0918	.2364E-01	.2767E-07
44	*	*	0.04	0.000	0.014	0.0181	0.0910	.2343E-01	.2743E-07
45	*	*	0.00	0.000	0.022	0.0181	0.0902	.2323E-01	.2720E-07
46	*	*	0.07	0.000	0.000	0.0181	0.0894	.2304E-01	.2697E-07
47	*	*	0.03	0.000	0.012	0.0181	0.0887	.2285E-01	.2674E-07
48	*	*	0.01	0.000	0.011	0.0181	0.0880	.2266E-01	.2652E-07
49	*	*	0.03	0.000	0.010	0.0181	0.0873	.2248E-01	.2631E-07
50	*	*	0.00	0.000	0.009	0.0181	0.0866	.2230E-01	.2610E-07
51	*	*	0.04	0.000	0.011	0.0181	0.0859	.2212E-01	.2590E-07
52	*	*	0.00	0.000	0.011	0.0181	0.0852	.2195E-01	.2570E-07
53	*	*	0.00	0.000	0.014	0.0181	0.0846	.2179E-01	.2550E-07
54	*	*	0.00	0.000	0.018	0.0181	0.0840	.2162E-01	.2531E-07
55	*	*	0.04	0.000	0.000	0.0181	0.0833	.2146E-01	.2512E-07
56	*	*	0.00	0.000	0.000	0.0181	0.0827	.2131E-01	.2494E-07
57	*	*	0.00	0.000	0.000	0.0181	0.0821	.2116E-01	.2476E-07
58	*	*	0.00	0.000	0.041	0.0181	0.0816	.2101E-01	.2459E-07
59	*	*	0.00	0.000	0.000	0.1213	0.0810	.2086E-01	.2442E-07
60	*	*	0.05	0.000	0.000	0.2543	0.0804	.2072E-01	.2425E-07
61	*	*	0.36	0.000	0.030	0.2598	0.0799	.2058E-01	.2409E-07
62	*	*	0.08	0.000	0.000	0.3147	0.0794	.2044E-01	.2393E-07
63	*	*	0.00	0.000	0.000	0.3500	0.0789	.2031E-01	.2378E-07
64	*	*	0.13	0.000	0.000	0.3500	0.0768	.1978E-01	.2315E-07
65	*	*	0.01	0.000	0.000	0.3500	0.0727	.1872E-01	.2192E-07
66	*	*	0.03	0.000	0.027	0.3500	0.0745	.1920E-01	.2247E-07
67	*	*	0.00	0.000	0.029	0.3500	0.0780	.2010E-01	.2353E-07
68	*	*	0.00	0.000	0.036	0.3500	0.0811	.2089E-01	.2445E-07
69	*	*	0.34	0.000	0.035	0.3500	0.0830	.2137E-01	.2501E-07
70	*	*	0.00	0.000	0.036	0.3500	0.0836	.2153E-01	.2520E-07
71	*	*	0.00	0.000	0.000	0.3500	0.0844	.2173E-01	.2544E-07
72	*	*	0.00	0.000	0.029	0.3500	0.0817	.2105E-01	.2464E-07
73	*	*	0.06	0.000	0.000	0.3500	0.0790	.2035E-01	.2382E-07
74	*	*	0.40	0.000	0.020	0.3500	0.0765	.1972E-01	.2308E-07
75	*	*	0.04	0.000	0.000	0.3500	0.0767	.1975E-01	.2311E-07
76	*	*	0.07	0.000	0.025	0.3500	0.0762	.1963E-01	.2298E-07
77	*	*	0.00	0.000	0.011	0.3500	0.0740	.1907E-01	.2232E-07
78	*	*	0.00	0.000	0.022	0.3500	0.0708	.1824E-01	.2135E-07
79	*	*	0.00	0.000	0.015	0.3500	0.0586	.1509E-01	.1766E-07
80	*	*	0.07	0.000	0.017	0.3500	0.0426	.1097E-01	.1293E-07
81	*	*	0.01	0.000	0.000	0.3500	0.0310	.7975E-02	.1082E-07
82	*	*	0.03	0.000	0.000	0.3500	0.0253	.6526E-02	.1009E-07
83	*	*	0.00	0.000	0.000	0.3500	0.0345	.8898E-02	.1134E-07
84	*	*	0.16	0.000	0.000	0.3500	0.0545	.1405E-01	.1644E-07
85	*	*	0.29	0.000	0.026	0.3500	0.0787	.2028E-01	.2373E-07
86	*	*	0.00	0.000	0.023	0.3500	0.1025	.2640E-01	.3090E-07
87	*	*	0.00	0.000	0.030	0.3500	0.1233	.3177E-01	.3719E-07
88	*	*	0.00	0.000	0.024	0.3500	0.1403	.3613E-01	.4229E-07
89	*	*	0.00	0.000	0.016	0.3500	0.1532	.3946E-01	.4620E-07
90	*	*	0.00	0.000	0.000	0.3500	0.1626	.4188E-01	.4903E-07
91	*	*	0.00	0.000	0.000	0.3500	0.1653	.4258E-01	.4985E-07
92	*	*	0.00	0.000	0.000	0.3500	0.1712	.4409E-01	.5161E-07
93	*	*	0.00	0.000	0.000	0.3500	0.1861	.4794E-01	.5612E-07
94	*	*	0.00	0.000	0.000	0.3500	0.1919	.4943E-01	.5787E-07
95	*	*	0.05	0.000	0.082	0.3500	0.1930	.4972E-01	.5821E-07
96	*	*	0.13	0.000	0.067	0.3500	0.1759	.4530E-01	.5303E-07
97	*	*	0.01	0.000	0.055	0.3500	0.1514	.3900E-01	.4566E-07
98	*	*	0.04	0.000	0.044	0.3500	0.9808	.4334E-01	.2969E-06
99	*	*	0.04	0.000	0.000	0.3500	3.8676	.7433E-01	.1172E-05
100	*	*	0.00	0.000	0.054	0.3500	4.3285	.7730E-01	.1312E-05
101	*	*	0.00	0.000	0.000	0.3500	4.6997	.7969E-01	.1425E-05
102	*	*	0.00	0.000	0.000	0.3500	5.0016	.8163E-01	.1517E-05
103	*	*	0.00	0.000	0.000	0.3500	5.2352	.8314E-01	.1588E-05
104	*	*	0.00	0.000	0.000	0.3500	5.4228	.8435E-01	.1645E-05
105	*	*	0.00	0.000	0.000	0.3500	5.5728	.8531E-01	.1691E-05
106	*	*	0.00	0.000	0.000	0.3500	5.6914	.8608E-01	.1727E-05
107	*	*	0.01	0.000	0.004	0.3500	5.7839	.8667E-01	.1756E-05

108	*	0.00	0.000	0.000	0.3500	5.8611	.8717E-01	.1779E-05
109	*	0.00	0.000	0.000	0.3500	5.9109	.8749E-01	.1795E-05
110	*	0.00	0.000	0.000	0.3500	5.9415	.8769E-01	.1804E-05
111	*	0.00	0.000	0.000	0.3500	5.9581	.8779E-01	.1809E-05
112	*	0.00	0.000	0.000	0.3500	5.9626	.8782E-01	.1810E-05
113	*	0.00	0.000	0.000	0.3500	5.9563	.8778E-01	.1808E-05
114	*	0.00	0.000	0.000	0.3500	5.9406	.8768E-01	.1804E-05
115	*	0.00	0.000	0.000	0.3500	5.9164	.8752E-01	.1796E-05
116	*	0.00	0.000	0.000	0.3500	5.8846	.8732E-01	.1786E-05
117	*	0.00	0.000	0.000	0.3500	5.8461	.8707E-01	.1775E-05
118	*	0.02	0.000	0.004	0.3500	5.8010	.8678E-01	.1761E-05
119	*	0.00	0.000	0.000	0.3500	5.7545	.8648E-01	.1747E-05
120	*	0.06	0.000	0.004	0.3500	5.6999	.8613E-01	.1730E-05
121	*	0.00	0.000	0.000	0.3500	5.6447	.8577E-01	.1713E-05
122	*	0.00	0.000	0.000	0.3500	5.5771	.8534E-01	.1693E-05
123	*	0.00	0.000	0.000	0.3500	5.4982	.8483E-01	.1668E-05
124	*	0.00	0.000	0.000	0.3500	5.4173	.8431E-01	.1644E-05
125	*	0.00	0.000	0.000	0.3500	5.3361	.8379E-01	.1619E-05
126	*	0.03	0.000	0.004	0.3500	5.2529	.8325E-01	.1594E-05
127		0.00	0.000	0.047	0.0005	5.1856	.8282E-01	.1573E-05
128		0.11	0.000	0.044	0.0088	5.4358	.8443E-01	.1649E-05
129		0.37	0.000	0.055	0.0476	6.0729	.8853E-01	.1844E-05
130		0.35	0.000	0.154	0.0601	6.5548	.9164E-01	.1991E-05
131		0.00	0.000	0.143	0.0337	6.9217	.9400E-01	.2104E-05
132		0.15	0.000	0.130	0.0323	7.2071	.9584E-01	.2191E-05
133		0.41	0.000	0.093	0.0697	7.4172	.9719E-01	.2255E-05
134		0.00	0.000	0.091	0.0347	7.5746	.9820E-01	.2304E-05
135		0.09	0.000	0.100	0.0302	7.6919	.9896E-01	.2340E-05
136		0.06	0.000	0.130	0.0174	7.7765	.9950E-01	.2366E-05
137		0.16	0.000	0.114	0.0186	7.8317	.9986E-01	.2382E-05
138		0.00	0.000	0.100	0.0061	7.8562	.1000	.2390E-05
139		0.00	0.000	0.030	0.0023	7.8086	.9971E-01	.2375E-05
140		0.36	0.000	0.065	0.0382	7.7689	.9945E-01	.2363E-05
141		0.01	0.000	0.092	0.0280	7.7463	.9931E-01	.2356E-05
142		0.00	0.000	0.045	0.0193	7.7079	.9906E-01	.2345E-05
143		0.00	0.000	0.041	0.0097	7.6825	.9890E-01	.2337E-05
144		0.00	0.000	0.035	0.0006	7.6567	.9873E-01	.2329E-05
145		0.02	0.000	0.007	0.0020	7.6152	.9846E-01	.2316E-05
146		0.00	0.000	0.006	0.0011	7.5135	.9781E-01	.2285E-05
147		0.00	0.000	0.002	0.0005	7.4052	.9711E-01	.2252E-05
148		0.00	0.000	0.000	0.0005	7.3167	.9654E-01	.2225E-05
149		0.00	0.000	0.000	0.0005	7.2345	.9601E-01	.2199E-05
150		0.00	0.000	0.000	0.0005	7.1562	.9551E-01	.2175E-05
151		0.00	0.000	0.000	0.0005	7.0794	.9501E-01	.2152E-05
152		0.00	0.000	0.000	0.0005	7.0025	.9452E-01	.2128E-05
153		0.00	0.000	0.000	0.0005	6.9244	.9402E-01	.2104E-05
154		0.00	0.000	0.000	0.0005	6.8446	.9350E-01	.2080E-05
155		0.00	0.000	0.000	0.0005	6.7629	.9297E-01	.2055E-05
156		0.00	0.000	0.000	0.0005	6.6791	.9244E-01	.2029E-05
157		0.00	0.000	0.000	0.0005	6.5933	.9188E-01	.2003E-05
158		0.00	0.000	0.000	0.0005	6.5056	.9132E-01	.1976E-05
159		0.00	0.000	0.000	0.0005	6.4160	.9074E-01	.1949E-05
160		0.00	0.000	0.000	0.0005	6.3248	.9015E-01	.1921E-05
161		0.00	0.000	0.000	0.0005	6.2320	.8956E-01	.1893E-05
162		0.00	0.000	0.000	0.0005	6.1378	.8895E-01	.1864E-05
163		0.00	0.000	0.000	0.0005	6.0423	.8833E-01	.1835E-05
164		0.00	0.000	0.000	0.0005	5.9456	.8771E-01	.1805E-05
165		0.00	0.000	0.000	0.0005	5.8479	.8708E-01	.1775E-05
166		0.00	0.000	0.000	0.0005	5.7494	.8645E-01	.1745E-05
167		0.33	0.000	0.009	0.0403	5.6497	.8581E-01	.1715E-05
168		0.05	0.000	0.014	0.0276	5.5506	.8517E-01	.1684E-05
169		0.08	0.000	0.017	0.0267	5.4526	.8454E-01	.1655E-05
170		0.27	0.000	0.017	0.0566	5.3728	.8402E-01	.1630E-05
171		0.00	0.000	0.161	0.0301	5.2481	.8322E-01	.1592E-05
172		0.00	0.000	0.014	0.0253	5.1262	.8244E-01	.1555E-05
173		0.00	0.000	0.012	0.0208	4.9911	.8157E-01	.1514E-05
174		0.00	0.000	0.012	0.0158	4.8472	.8064E-01	.1470E-05
175		0.16	0.000	0.019	0.0327	4.7116	.7977E-01	.1429E-05
176		0.85	0.000	0.208	0.1123	4.5626	.7881E-01	.1383E-05
177		0.00	0.000	0.155	0.0345	4.4081	.7781E-01	.1336E-05
178		0.00	0.000	0.165	0.0005	4.2883	.7704E-01	.1300E-05
179		0.00	0.000	0.000	0.0005	4.1672	.7626E-01	.1263E-05
180		0.00	0.000	0.000	0.0005	4.0244	.7534E-01	.1219E-05
181		0.00	0.000	0.000	0.0005	3.8701	.7435E-01	.1172E-05
182		0.03	0.000	0.008	0.0029	3.7231	.7340E-01	.1128E-05
183		0.00	0.000	0.015	0.0005	3.6229	.7276E-01	.1097E-05
184		0.42	0.000	0.021	0.0504	3.5689	.7241E-01	.1081E-05
185		0.25	0.000	0.036	0.0523	3.5230	.7211E-01	.1067E-05
186		0.00	0.000	0.152	0.0143	3.4911	.7191E-01	.1057E-05
187		0.17	0.000	0.042	0.0299	3.4588	.7170E-01	.1047E-05
188		0.00	0.000	0.184	0.0063	3.3620	.7108E-01	.1018E-05
189		0.00	0.000	0.023	0.0024	3.2292	.7022E-01	.9775E-06

190	0.06	0.000	0.016	0.0070	3.1316	.6959E-01	.9478E-06
191	0.00	0.000	0.019	0.0046	3.0836	.6928E-01	.9332E-06
192	0.00	0.000	0.022	0.0019	3.0388	.6899E-01	.9196E-06
193	0.00	0.000	0.008	0.0005	3.0010	.6875E-01	.9082E-06
194	0.00	0.000	0.000	0.0005	2.9751	.6858E-01	.9003E-06
195	0.00	0.000	0.000	0.0005	2.9482	.6841E-01	.8921E-06
196	0.00	0.000	0.000	0.0005	2.9193	.6822E-01	.8833E-06
197	0.00	0.000	0.000	0.0005	2.8895	.6803E-01	.8743E-06
198	0.05	0.000	0.008	0.0058	2.8585	.6783E-01	.8649E-06
199	0.46	0.000	0.029	0.0594	2.8260	.6762E-01	.8550E-06
200	0.00	0.000	0.109	0.0170	2.7910	.6740E-01	.8444E-06
201	0.00	0.000	0.092	0.0053	2.1331	.6290E-01	.6453E-06
202	0.41	0.000	0.104	0.0423	2.7385	.6706E-01	.8285E-06
203	0.10	0.000	0.178	0.0303	2.6415	.6644E-01	.7990E-06
204	0.00	0.000	0.132	0.0108	0.7872	.5406E-01	.2380E-06
205	0.00	0.000	0.043	0.0014	0.1871	.4820E-01	.5643E-07
206	0.00	0.000	0.004	0.0005	0.1715	.4416E-01	.5170E-07
207	0.13	0.000	0.044	0.0112	0.1774	.4568E-01	.5348E-07
208	0.00	0.000	0.033	0.0071	0.1753	.4514E-01	.5285E-07
209	0.00	0.000	0.033	0.0027	0.1635	.4211E-01	.4930E-07
210	0.00	0.000	0.009	0.0015	0.1493	.3845E-01	.4501E-07
211	0.00	0.000	0.004	0.0005	0.1401	.3608E-01	.4224E-07
212	0.00	0.000	0.000	0.0005	0.1351	.3479E-01	.4073E-07
213	0.00	0.000	0.000	0.0005	0.1389	.3577E-01	.4188E-07
214	0.00	0.000	0.000	0.0005	0.1452	.3740E-01	.4378E-07
215	0.00	0.000	0.000	0.0005	0.1513	.3898E-01	.4563E-07
216	0.00	0.000	0.000	0.0005	0.1567	.4035E-01	.4724E-07
217	0.02	0.000	0.013	0.0013	0.1611	.4148E-01	.4856E-07
218	0.00	0.000	0.003	0.0005	0.1648	.4245E-01	.4970E-07
219	0.00	0.000	0.000	0.0005	0.1654	.4261E-01	.4989E-07
220	0.00	0.000	0.000	0.0005	0.1683	.4335E-01	.5075E-07
221	0.00	0.000	0.000	0.0005	0.1704	.4390E-01	.5139E-07
222	0.07	0.000	0.011	0.0079	0.1710	.4406E-01	.5158E-07
223	0.00	0.000	0.033	0.0037	0.1705	.4392E-01	.5141E-07
224	0.00	0.000	0.014	0.0020	0.1692	.4358E-01	.5102E-07
225	0.00	0.000	0.006	0.0005	0.1677	.4320E-01	.5057E-07
226	0.00	0.000	0.000	0.0005	0.1646	.4241E-01	.4964E-07
227	0.40	0.000	0.042	0.0452	0.1629	.4196E-01	.4913E-07
228	0.57	0.000	0.080	0.0844	0.1615	.4159E-01	.4869E-07
229	0.01	0.000	0.119	0.0213	0.1565	.4030E-01	.4718E-07
230	0.00	0.000	0.126	0.0033	0.1533	.3948E-01	.4621E-07
231	0.00	0.000	0.012	0.0005	0.1601	.4123E-01	.4826E-07
232	0.02	0.000	0.020	0.0005	0.1657	.4268E-01	.4996E-07
233	0.73	0.000	0.089	0.0806	0.1711	.4408E-01	.5161E-07
234	0.00	0.000	0.082	0.0317	0.1659	.4274E-01	.5003E-07
235	0.00	0.000	0.051	0.0051	0.1427	.3674E-01	.4301E-07
236	0.00	0.000	0.019	0.0005	0.1171	.3016E-01	.3531E-07
237	0.00	0.000	0.000	0.0005	0.1153	.2969E-01	.3476E-07
238	0.01	0.000	0.010	0.0005	0.1221	.3145E-01	.3681E-07
239	0.00	0.000	0.000	0.0005	0.1166	.3003E-01	.3516E-07
240	0.00	0.000	0.000	0.0005	0.0927	.2388E-01	.2795E-07
241	0.00	0.000	0.000	0.0005	0.0702	.1809E-01	.2117E-07
242	0.00	0.000	0.000	0.0005	0.0636	.1638E-01	.1917E-07
243	0.05	0.000	0.013	0.0051	0.0729	.1878E-01	.2198E-07
244	0.00	0.000	0.016	0.0020	0.0927	.2387E-01	.2794E-07
245	0.00	0.000	0.008	0.0005	0.1123	.2893E-01	.3386E-07
246	0.00	0.000	0.000	0.0005	0.1344	.3462E-01	.4053E-07
247	0.00	0.000	0.000	0.0005	0.1586	.4084E-01	.4781E-07
248	0.00	0.000	0.000	0.0005	0.1752	.4513E-01	.5284E-07
249	0.06	0.000	0.011	0.0066	0.1851	.4768E-01	.5582E-07
250	0.00	0.000	0.010	0.0053	0.1905	.4907E-01	.5745E-07
251	0.00	0.000	0.015	0.0035	0.1931	.4974E-01	.5823E-07
252	0.00	0.000	0.010	0.0019	0.1941	.4999E-01	.5853E-07
253	0.26	0.000	0.022	0.0313	0.1934	.4982E-01	.5832E-07
254	0.00	0.000	0.016	0.0291	0.1907	.4912E-01	.5751E-07
255	0.00	0.000	0.015	0.0272	0.1902	.4900E-01	.5737E-07
256	0.00	0.000	0.016	0.0246	0.1901	.4896E-01	.5732E-07
257	0.00	0.000	0.015	0.0201	0.1890	.4869E-01	.5700E-07
258	0.00	0.000	0.010	0.0174	0.1846	.4756E-01	.5568E-07
259	0.11	0.000	0.024	0.0270	0.1805	.4648E-01	.5442E-07
260	0.88	0.000	0.023	0.1327	0.1774	.4571E-01	.5351E-07
261	0.15	0.000	0.076	0.0675	0.1742	.4486E-01	.5252E-07
262	2.16	0.000	0.114	0.1447	0.1685	.4341E-01	.5082E-07
263	0.10	0.000	0.074	0.0271	0.1781	.4587E-01	.5370E-07
264	0.07	0.000	0.095	0.0237	0.1862	.4797E-01	.5616E-07
265	0.00	0.000	0.116	0.0087	0.1812	.4667E-01	.5464E-07
266	0.02	0.000	0.069	0.0022	0.1346	.3467E-01	.4059E-07
267	0.00	0.000	0.009	0.0005	0.9497	.4736E-01	.2874E-06
268	0.00	0.000	0.000	0.0005	3.5254	.7213E-01	.1067E-05
269	0.00	0.000	0.000	0.0005	3.7750	.7374E-01	.1143E-05
270	0.00	0.000	0.000	0.0005	3.9855	.7509E-01	.1207E-05
271	0.16	0.000	0.036	0.0160	4.1612	.7622E-01	.1261E-05

272	0.11	0.000	0.042	0.0243	4.3066	.7716E-01	.1305E-05
273	0.36	0.000	0.068	0.0608	4.4267	.7793E-01	.1342E-05
274	0.03	0.000	0.065	0.0388	4.5250	.7856E-01	.1372E-05
275	0.00	0.000	0.083	0.0252	4.5977	.7903E-01	.1394E-05
276	0.00	0.000	0.072	0.0118	4.6074	.7909E-01	.1397E-05
277	0.00	0.000	0.052	0.0005	4.6176	.7916E-01	.1400E-05
278	0.00	0.000	0.000	0.0005	4.6127	.7913E-01	.1398E-05
279	0.38	0.000	0.037	0.0433	4.5527	.7874E-01	.1380E-05
280	0.08	0.000	0.059	0.0261	4.5313	.7860E-01	.1374E-05
281	0.00	0.000	0.066	0.0145	4.5493	.7872E-01	.1379E-05
282	0.20	0.000	0.074	0.0275	4.5015	.7841E-01	.1365E-05
283	0.02	0.000	0.079	0.0184	4.4154	.7786E-01	.1338E-05
284	0.00	0.000	0.055	0.0109	4.3614	.7751E-01	.1322E-05
285	0.20	0.000	0.077	0.0258	4.3315	.7732E-01	.1313E-05
286	0.10	0.000	0.047	0.0322	4.3187	.7724E-01	.1309E-05
287 *	0.28	0.000	0.029	0.0342	4.3127	.7720E-01	.1307E-05
288 *	0.25	0.000	0.030	0.0367	4.3120	.7719E-01	.1307E-05
289	0.00	0.000	0.032	0.0388	4.3016	.7713E-01	.1304E-05
290 *	0.00	0.000	0.030	0.0413	4.2929	.7707E-01	.1301E-05
291	0.00	0.000	0.039	0.0645	4.2782	.7698E-01	.1297E-05
292	0.00	0.000	0.046	0.0305	4.2642	.7689E-01	.1292E-05
293	0.07	0.000	0.060	0.0274	4.2627	.7688E-01	.1292E-05
294	0.00	0.000	0.062	0.0149	4.1716	.7629E-01	.1264E-05
295 *	0.16	0.000	0.024	0.0137	4.0410	.7545E-01	.1224E-05
296	0.01	0.000	0.033	0.0243	3.9310	.7474E-01	.1191E-05
297	0.00	0.000	0.058	0.0163	3.8367	.7413E-01	.1162E-05
298	0.00	0.000	0.035	0.0109	3.7708	.7371E-01	.1142E-05
299 *	0.00	0.000	0.026	0.0073	3.7405	.7351E-01	.1133E-05
300 *	0.00	0.000	0.000	0.0073	3.7178	.7337E-01	.1126E-05
301 *	0.00	0.000	0.000	0.0073	3.6944	.7322E-01	.1119E-05
302 *	0.00	0.000	0.000	0.0073	3.6725	.7307E-01	.1112E-05
303 *	0.00	0.000	0.000	0.0073	3.6516	.7294E-01	.1106E-05
304 *	0.20	0.000	0.020	0.0098	3.6300	.7280E-01	.1099E-05
305 *	0.04	0.000	0.020	0.0122	3.6065	.7265E-01	.1092E-05
306 *	0.28	0.000	0.019	0.0147	3.5802	.7248E-01	.1084E-05
307 *	0.06	0.000	0.021	0.0172	3.5511	.7229E-01	.1075E-05
308 *	0.31	0.000	0.019	0.0172	3.5190	.7209E-01	.1066E-05
309 *	0.00	0.000	0.026	0.0172	3.4839	.7186E-01	.1055E-05
310 *	0.00	0.000	0.018	0.0172	3.4459	.7162E-01	.1043E-05
311 *	0.00	0.000	0.027	0.0172	3.4051	.7135E-01	.1031E-05
312 *	0.00	0.000	0.023	0.0172	3.3618	.7107E-01	.1018E-05
313 *	0.03	0.000	0.000	0.0172	3.3160	.7078E-01	.1004E-05
314 *	0.08	0.000	0.018	0.0172	3.2679	.7047E-01	.9892E-06
315 *	0.28	0.000	0.000	0.0172	3.2177	.7015E-01	.9740E-06
316 *	0.10	0.000	0.000	0.1198	3.1655	.6981E-01	.9581E-06
317 *	0.04	0.000	0.000	0.1583	3.1115	.6946E-01	.9417E-06
318 *	0.00	0.000	0.000	0.1583	3.0558	.6910E-01	.9248E-06
319 *	0.09	0.000	0.005	0.1689	2.9985	.6874E-01	.9074E-06
320 *	0.05	0.000	0.025	0.1689	2.9399	.6836E-01	.8896E-06
321 *	0.00	0.000	0.021	0.1689	2.8800	.6797E-01	.8714E-06
322 *	0.00	0.000	0.004	0.1689	2.8189	.6758E-01	.8529E-06
323 *	0.10	0.000	0.030	0.1689	2.7567	.6718E-01	.8340E-06
324 *	0.02	0.000	0.031	0.1763	2.6936	.6677E-01	.8148E-06
325 *	0.03	0.000	0.030	0.1763	1.4189	.5840E-01	.4291E-06
326 *	0.00	0.000	0.000	0.1763	0.7978	.5413E-01	.2412E-06
327 *	0.44	0.000	0.005	0.2306	0.1945	.5009E-01	.5864E-07
328 *	0.06	0.000	0.005	0.2375	0.1902	.4900E-01	.5737E-07
329 *	0.03	0.000	0.005	0.2406	0.1841	.4741E-01	.5550E-07
330 *	0.00	0.000	0.000	0.2406	0.1774	.4569E-01	.5349E-07
331 *	0.00	0.000	0.000	0.2406	0.1709	.4402E-01	.5154E-07
332 *	0.00	0.000	0.000	0.2406	0.1649	.4249E-01	.4974E-07
333 *	0.00	0.000	0.000	0.2406	0.1596	.4110E-01	.4811E-07
334 *	0.00	0.000	0.000	0.2406	0.1548	.3986E-01	.4667E-07
335 *	0.00	0.000	0.000	0.2406	0.1505	.3876E-01	.4538E-07
336 *	0.00	0.000	0.000	0.2406	0.1467	.3778E-01	.4423E-07
337 *	0.00	0.000	0.000	0.2406	0.1433	.3690E-01	.4320E-07
338 *	0.14	0.000	0.019	0.2406	0.1402	.3611E-01	.4227E-07
339 *	0.25	0.000	0.014	0.2406	0.1374	.3538E-01	.4142E-07
340 *	0.26	0.000	0.011	0.2406	0.1348	.3472E-01	.4064E-07
341 *	0.22	0.000	0.015	0.2406	0.1324	.3410E-01	.3992E-07
342 *	0.00	0.000	0.014	0.2406	0.1301	.3352E-01	.3924E-07
343 *	0.00	0.000	0.010	0.2406	0.1280	.3298E-01	.3861E-07
344 *	0.00	0.000	0.010	0.2406	0.1261	.3247E-01	.3801E-07
345 *	0.00	0.000	0.011	0.2406	0.1242	.3198E-01	.3744E-07
346 *	0.00	0.000	0.000	0.2406	0.1224	.3152E-01	.3690E-07
347 *	0.00	0.000	0.016	0.2406	0.1206	.3108E-01	.3638E-07
348 *	0.00	0.000	0.000	0.2406	0.1190	.3065E-01	.3588E-07
349 *	0.00	0.000	0.023	0.2406	0.1174	.3024E-01	.3540E-07
350 *	0.00	0.000	0.017	0.2406	0.1159	.2985E-01	.3494E-07
351 *	0.00	0.000	0.019	0.2406	0.1144	.2947E-01	.3449E-07
352 *	0.00	0.000	0.024	0.2406	0.1130	.2910E-01	.3406E-07
353 *	0.00	0.000	0.031	0.2406	0.1116	.2875E-01	.3365E-07

354	*	*	0.00	0.000	0.020	0.2406	0.1103	.2840E-01	.3325E-07
355	*	*	0.00	0.000	0.020	0.2406	0.1090	.2807E-01	.3286E-07
356	*	*	0.00	0.000	0.020	0.2406	0.1077	.2774E-01	.3248E-07
357	*	*	0.00	0.000	0.021	0.2406	0.1065	.2743E-01	.3211E-07
358	*	*	0.00	0.000	0.023	0.2406	0.1053	.2713E-01	.3175E-07
359	*	*	0.00	0.000	0.026	0.2406	0.1042	.2683E-01	.3141E-07
360	*	*	0.00	0.000	0.025	0.2406	0.1031	.2654E-01	.3107E-07
361	*	*	0.04	0.000	0.015	0.2406	0.1020	.2627E-01	.3074E-07
362	*	*	0.00	0.000	0.013	0.2406	0.1009	.2599E-01	.3043E-07
363	*	*	0.18	0.000	0.012	0.2406	0.0999	.2573E-01	.3012E-07
364	*	*	0.11	0.000	0.000	0.2406	0.0989	.2547E-01	.2982E-07
365	*	*	0.06	0.000	0.000	0.2406	0.0979	.2522E-01	.2952E-07

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	4.25	0.49	2.13	0.36	2.12	1.74
	2.08	1.88	4.44	1.98	2.04	1.26
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	0.303	0.292	0.450	0.314	1.528	0.802
	1.367	0.743	0.911	1.291	0.353	0.430
SUBSURFACE INFLOW INTO LAYER 2	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED FROM LAYER 3	1.1793	0.6522	0.6426	2.2346	2.9099	2.5664
	1.9134	1.1527	1.5183	2.3719	1.8740	0.9462
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	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	0.404	0.090	0.080	4.142	6.901	5.609
	2.259	0.144	0.970	4.207	2.260	0.118
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.747	0.006	0.031	2.425	0.969	0.943
	1.361	0.032	1.569	0.337	1.405	0.015

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	8.785	31890.379	35.47
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	12.26
DRAINAGE COLLECTED FROM LAYER 3	19.9615	72458.683	80.59
PERC./LEAKAGE THROUGH LAYER 5	0.000252	0.913	0.00
AVG. HEAD ON TOP OF LAYER 4	2.2655		
CHANGE IN WATER STORAGE	-0.939	-3409.105	-3.79
SOIL WATER AT START OF YEAR	26.664	96788.342	

SOIL WATER AT END OF YEAR	27.443	99615.780	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.733	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

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

TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16

STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99

RUNOFF

TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.437	0.408	1.018	1.035
	1.558	1.184	1.241	0.875	0.637	0.381

STD. DEVIATIONS	0.037	0.093	0.103	0.119	0.387	0.400
	0.459	0.265	0.272	0.290	0.218	0.067

SUBSURFACE INFLOW INTO LAYER 2

TOTALS	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	1.3695	0.6657	0.7028	2.1785	4.1348	2.7795
	2.3916	1.8627	1.4561	1.8706	1.8447	1.8574

STD. DEVIATIONS	0.4754	0.0652	0.1376	0.9855	2.1397	0.2394
	0.2335	0.5315	0.5662	0.6212	0.5841	0.7209

PERCOLATION/LEAKAGE THROUGH LAYER 5

TOTALS	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	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	1.0674	0.0914	0.2824	4.6673	7.0888	6.7101
	4.3550	2.4402	1.4387	2.4582	2.5745	2.6065

STD. DEVIATIONS	1.1015	0.0085	0.2606	3.7720	1.8951	1.2359
	1.0520	1.6692	1.8034	2.4028	2.4906	2.3441

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	9.459 (0.6958)	34336.34	32.257
SUBSURFACE INFLOW INTO LAYER 2	3.03801	11027.728	10.36004
LATERAL DRAINAGE COLLECTED FROM LAYER 3	23.11390 (3.95656)	83901.629	78.82170
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00033 (0.00008)	1.205	0.00113
AVERAGE HEAD ON TOP OF LAYER 4	2.982 (0.681)		
CHANGE IN WATER STORAGE	-0.209 (1.7542)	-757.97	-0.712

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYY)

	(INCHES)	(CU. FT.)	
PRECIPITATION	3.23	11724.64445	2421995
RUNOFF	0.000	0.00000	0
DRAINAGE COLLECTED FROM LAYER 3	4.43774	16108.65260	1301996
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.000004	0.01356	1311991
AVERAGE HEAD ON TOP OF LAYER 4	12.689		
MAXIMUM HEAD ON TOP OF LAYER 4	19.712		
LOCATION OF MAXIMUM HEAD IN LAYER 3 (DISTANCE FROM DRAIN)	74.4 FEET		
SNOW WATER	8.77	31822.5987	771996
MAXIMUM VEG. SOIL WATER (VOL/VOL)	0.3500		
MINIMUM VEG. SOIL WATER (VOL/VOL)	0.0005		

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
1	10.1455	0.0423
2	0.9778	0.0815
3	0.0837	0.4254
4	0.0000	0.0000
5	16.2360	0.4510
SNOW WATER		0.830

Case 2

Project : KEMC TDRSA LINER_GCL

This project is prepared to demonstrate barrier equivalency.

Jerry Eykholt, PhD, PE

Foth & Van Dyke and Assoc.

Model : HELP

An US EPA model for predicting landfill hydrologic processes and testing of effectiveness of landfill designs

Location : KEMC Site, near Marquette, Michigan

Uses daily precipitation and temperature data for Houghton FAA for period of 1991 – 1997.

10/10/2005

1. Profile. EPA profile1

Model Settings

[HELP] Case Settings

Parameter	Value	Units
Runoff Method	Model calculated	(-)
Initial Moisture Settings	Model calculated	(-)

[HELP] Surface Water Settings

Parameter	Value	Units
Runoff Area	0	(%%)
Vegetation Class	Bare soil	(-)

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
 Development Rock	0.0000	-20.0000	20.0000
 Sand	-20.0000	-21.0000	1.0000
 Drainage Net (0.5cm)	-21.0000	-21.0164	0.0164
 High Density Polyethylene (HDPE)	-21.0159	-21.0192	0.0033
 Bentonite	-21.0192	-21.0492	0.0300

1.1. Layer. Development Rock

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 0.0100
Bottom Slope : 2.0000

[HELP] Vertical Perc. Layer Parameters

Parameter	Value	Units
total porosity	.35	(vol/vol)
field capacity	.001	(vol/vol)
wilting point	.0005	(vol/vol)
sat.hydr.conductivity	10	(cm/sec)
subsurface inflow	0	(mm/year)

1.2. Layer. Sand

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Lateral Drainage Layer Parameters

Parameter	Value	Units
total porosity	0.437	(vol/vol)
field capacity	.005	(vol/vol)
wilting point	.001	(vol/vol)
sat.hydr.conductivity	.01	(cm/sec)
subsurface inflow	1960	(mm/year)

Subsurface inflow uses maximum lateral drainage from side slopes (0.886" over 50 ft. side slope at 3:1) to report as steady input to drainage layer. Area corrected input is 0.211" per day (0.886" x 42 / 176), which is equal to 1960 mm/yr.

1.3. Layer. Drainage Net (0.5cm)

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Geotextiles and Geonets Parameters

Parameter	Value	Units
total porosity	0.85	(vol/vol)
field capacity	0.01	(vol/vol)
wilting point	0.005	(vol/vol)
sat.hydr.conductivity	.4	(cm/sec)
subsurface inflow	0	(mm/year)

1.4. Layer. High Density Polyethylene (HDPE)

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Geomembrane Liner Parameters

Parameter	Value	Units
sat.hydr.conductivity	2E-13	(cm/sec)
pinhole density	1.0	(#/acre)
installation defects	1.0	(#/acre)
placement quality (1=perfect, 2 = excellent)	2	(-)
geotextile transmissivity	0	(cm2/sec)

1.5. Layer. Bentonite

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Barrier Soil Liner Parameters

Parameter	Value	Units
total porosity	0.75	(vol/vol)
field capacity	0.747	(vol/vol)
wilting point	0.4	(vol/vol)
sat.hydr.conductivity	3E-9	(cm/sec)
subsurface inflow	0	(mm/year)

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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\HELP22\data\P122.VHP\weather1.dat
 TEMPERATURE DATA FILE: C:\WHI\HELP22\data\P122.VHP\weather2.dat
 SOLAR RADIATION DATA FILE: C:\WHI\HELP22\data\P122.VHP\weather3.dat
 EVAPOTRANSPIRATION DATA: C:\WHI\HELP22\data\P122.VHP\weather4.dat
 SOIL AND DESIGN DATA FILE: C:\WHI\HELP22\data\P122.VHP\385210.inp
 OUTPUT DATA FILE: C:\WHI\HELP22\data\P122.VHP\O_385210.prt

TIME: 12:20 DATE: 10/10/2005

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*****
TITLE: EPA profile1
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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 5
 THICKNESS = 609.60 CM
 POROSITY = 0.3500 VOL/VOL
 FIELD CAPACITY = 0.0010 VOL/VOL
 WILTING POINT = 0.0005 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.0399 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 10.0000000000 CM/SEC
 NOTE: SATURATED HYDRAULIC CONDUCTIVITY IS MULTIPLIED BY 4.90
 FOR ROOT CHANNELS IN TOP HALF OF EVAPORATIVE ZONE.

LAYER 2

TYPE 2 - LATERAL DRAINAGE LAYER
 MATERIAL TEXTURE NUMBER 2
 THICKNESS = 30.48 CM
 POROSITY = 0.4370 VOL/VOL
 FIELD CAPACITY = 0.0050 VOL/VOL
 WILTING POINT = 0.0010 VOL/VOL
 INITIAL SOIL WATER CONTENT = 0.1458 VOL/VOL
 EFFECTIVE SAT. HYD. COND. = 0.100000000000E-01 CM/SEC
 SUBSURFACE INFLOW = 77.2 MM/YR

LAYER 3

TYPE 2 - LATERAL DRAINAGE LAYER
 MATERIAL TEXTURE NUMBER 20

THICKNESS = 0.50 CM
POROSITY = 0.8500 VOL/VOL
FIELD CAPACITY = 0.0100 VOL/VOL
WILTING POINT = 0.0050 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.8500 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.400000000000 CM/SEC
SLOPE = 2.00 PERCENT
DRAINAGE LENGTH = 53.6 METERS

LAYER 4

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 = 2.47 HOLES/HECTARE
FML INSTALLATION DEFECTS = 2.47 HOLES/HECTARE
FML PLACEMENT QUALITY = 2 - EXCELLENT

LAYER 5

TYPE 3 - BARRIER SOIL LINER
MATERIAL TEXTURE NUMBER 17
THICKNESS = 0.91 CM
POROSITY = 0.7500 VOL/VOL
FIELD CAPACITY = 0.7470 VOL/VOL
WILTING POINT = 0.4000 VOL/VOL
INITIAL SOIL WATER CONTENT = 0.7500 VOL/VOL
EFFECTIVE SAT. HYD. COND. = 0.300000000000E-08 CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT
SOIL DATA BASE USING SOIL TEXTURE # 5 WITH BARE
GROUND CONDITIONS, A SURFACE SLOPE OF 0.% AND
A SLOPE LENGTH OF 54. METERS.

SCS RUNOFF CURVE NUMBER = 81.44
FRACTION OF AREA ALLOWING RUNOFF = 0.0 PERCENT
AREA PROJECTED ON HORIZONTAL PLANE = 0.4047 HECTARES
EVAPORATIVE ZONE DEPTH = 20.3 CM
INITIAL WATER IN EVAPORATIVE ZONE = 0.653 CM
UPPER LIMIT OF EVAPORATIVE STORAGE = 7.112 CM
LOWER LIMIT OF EVAPORATIVE STORAGE = 0.010 CM
INITIAL SNOW WATER = 5.095 CM
INITIAL WATER IN LAYER MATERIALS = 29.876 CM
TOTAL INITIAL WATER = 34.972 CM
TOTAL SUBSURFACE INFLOW = 77.17 MM/YR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM
KMEC_SITE MI

STATION LATITUDE = 47.17 DEGREES
MAXIMUM LEAF AREA INDEX = 4.00
START OF GROWING SEASON (JULIAN DATE) = 144
END OF GROWING SEASON (JULIAN DATE) = 261
EVAPORATIVE ZONE DEPTH = 8.0 INCHES
AVERAGE ANNUAL WIND SPEED = 11.20 MPH
AVERAGE 1ST QUARTER RELATIVE HUMIDITY = 70.00 %

AVERAGE 2ND QUARTER RELATIVE HUMIDITY = 66.00 %
 AVERAGE 3RD QUARTER RELATIVE HUMIDITY = 74.00 %
 AVERAGE 4TH QUARTER RELATIVE HUMIDITY = 74.00 %

NOTE: PRECIPITATION DATA FOR KMEC_SITE MI
 WAS ENTERED FROM A NOAA DATA FILE.

NOTE: TEMPERATURE DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR KMEC_SITE MI

NORMAL MEAN MONTHLY TEMPERATURE (DEGREES FAHRENHEIT)

JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
6.30	12.00	22.90	38.30	50.30	59.40
65.30	63.20	54.00	44.20	28.20	13.80

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING
 COEFFICIENTS FOR KMEC_SITE MI
 AND STATION LATITUDE = 47.17 DEGREES

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
 DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
 LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1991

S	DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK
I	I			IN.	IN.	IN.	IN.	IN.	IN.	IN.
	R	L		IN.	IN.	IN.	IN.	IN.	IN.	IN.

1	*	*	0.28	0.000	0.016	0.0321	4.0814	.7571E-01	.7528E-06	
2	*	*	0.23	0.000	0.014	0.0321	4.0127	.7527E-01	.7397E-06	
3	*	*	0.58	0.000	0.013	0.0321	3.9425	.7481E-01	.7264E-06	
4	*	*	0.32	0.000	0.011	0.0321	3.8709	.7435E-01	.7127E-06	
5	*	*	0.03	0.000	0.014	0.0321	3.7979	.7388E-01	.6989E-06	
6	*	*	0.07	0.000	0.000	0.0321	3.7239	.7341E-01	.6849E-06	
7	*	*	0.02	0.000	0.015	0.0321	3.6488	.7292E-01	.6706E-06	
8	*	*	0.29	0.000	0.015	0.0321	3.5728	.7243E-01	.6563E-06	
9	*	*	0.14	0.000	0.000	0.0321	3.4960	.7194E-01	.6418E-06	
10	*	*	0.02	0.000	0.013	0.0321	3.4186	.7144E-01	.6272E-06	
11	*	*	0.08	0.000	0.000	0.0321	3.3406	.7094E-01	.6125E-06	
12	*	*	0.00	0.000	0.012	0.0321	3.2621	.7043E-01	.5977E-06	
13	*	*	0.14	0.000	0.012	0.0321	3.1832	.6992E-01	.5828E-06	
14	*	*	0.05	0.000	0.011	0.0321	3.1039	.6941E-01	.5679E-06	
15	*	*	0.02	0.000	0.008	0.0321	3.0244	.6890E-01	.5530E-06	
16	*	*	0.06	0.000	0.010	0.0321	2.9446	.6839E-01	.5381E-06	
17	*	*	0.09	0.000	0.000	0.0321	2.8648	.6787E-01	.5231E-06	
18	*	*	0.16	0.000	0.000	0.0321	2.7848	.6736E-01	.5082E-06	
19	*	*	0.01	0.000	0.000	0.0321	2.7048	.6684E-01	.4933E-06	
20	*	*	0.10	0.000	0.000	0.0321	2.6250	.6639E-01	.4789E-06	
21	*	*	0.05	0.000	0.000	0.0321	2.5450	.6594E-01	.4645E-06	
22	*	*	0.28	0.000	0.000	0.0321	2.4650	.6549E-01	.4501E-06	
23	*	*	0.31	0.000	0.000	0.0321	2.3850	.6504E-01	.4357E-06	
24	*	*	0.19	0.000	0.000	0.0321	2.3050	.6459E-01	.4213E-06	
25	*	*	0.17	0.000	0.024	0.0321	2.2250	.6414E-01	.4069E-06	
26	*	*	0.22	0.000	0.021	0.0321	2.1450	.6369E-01	.3925E-06	
27	*	*	0.43	0.000	0.021	0.0321	2.0650	.6324E-01	.3781E-06	
28	*	*	0.30	0.000	0.021	0.0321	1.9850	.6279E-01	.3637E-06	
29	*	*	0.35	0.000	0.019	0.0321	1.9050	.6234E-01	.3493E-06	
30	*	*	0.08	0.000	0.000	0.0321	1.8250	.6189E-01	.3349E-06	
31	*	*	0.25	0.000	0.022	0.0321	1.7450	.6144E-01	.3205E-06	
32	*	*	0.00	0.000	0.019	0.0321	1.6650	.6099E-01	.3061E-06	
33	*	*	0.00	0.000	0.017	0.0321	1.5850	.6054E-01	.2917E-06	
34	*	*	0.00	0.000	0.021	0.0321	1.5050	.6009E-01	.2773E-06	
35	*	*	0.00	0.000	0.015	0.0321	1.4250	.5964E-01	.2629E-06	

36	*	*	0.00	0.000	0.015	0.0321	0.1147	.2955E-01	.2042E-07
37	*	*	0.00	0.000	0.018	0.0321	0.1128	.2905E-01	.2007E-07
38	*	*	0.00	0.000	0.000	0.0321	0.1110	.2859E-01	.1976E-07
39	*	*	0.00	0.000	0.029	0.0321	0.1094	.2817E-01	.1947E-07
40	*	*	0.00	0.000	0.027	0.0321	0.1079	.2779E-01	.1920E-07
41	*	*	0.00	0.000	0.000	0.0321	0.1065	.2742E-01	.1895E-07
42	*	*	0.04	0.000	0.000	0.0321	0.1051	.2708E-01	.1871E-07
43	*	*	0.01	0.000	0.000	0.0321	0.1039	.2676E-01	.1849E-07
44	*	*	0.00	0.000	0.037	0.0321	0.1027	.2645E-01	.1828E-07
45	*	*	0.17	0.000	0.030	0.0321	0.1015	.2616E-01	.1807E-07
46	*	*	0.19	0.000	0.029	0.0321	0.1004	.2587E-01	.1788E-07
47	*	*	0.00	0.000	0.029	0.0321	0.0994	.2560E-01	.1769E-07
48	*	*	0.00	0.000	0.030	0.0321	0.0984	.2534E-01	.1751E-07
49	*	*	0.04	0.000	0.028	0.0321	0.0974	.2508E-01	.1733E-07
50	*	*	0.14	0.000	0.022	0.0321	0.0964	.2483E-01	.1716E-07
51	*	*	0.00	0.000	0.030	0.0321	0.0955	.2459E-01	.1699E-07
52	*	*	0.26	0.000	0.024	0.0321	0.0946	.2436E-01	.1683E-07
53	*	*	0.23	0.000	0.020	0.0321	0.0937	.2414E-01	.1667E-07
54	*	*	0.09	0.000	0.017	0.0321	0.0928	.2392E-01	.1652E-07
55	*	*	0.07	0.000	0.000	0.0321	0.0920	.2370E-01	.1637E-07
56	*	*	0.00	0.000	0.018	0.0321	0.0912	.2349E-01	.1623E-07
57	*	*	0.00	0.000	0.020	0.0321	0.0904	.2329E-01	.1609E-07
58	*	*	0.01	0.000	0.000	0.0321	0.0896	.2309E-01	.1595E-07
59	*	*	0.00	0.000	0.028	0.0321	0.0889	.2290E-01	.1582E-07
60	*	*	0.02	0.000	0.000	0.0321	0.0882	.2271E-01	.1569E-07
61	*	*	0.04	0.000	0.015	0.0321	0.0874	.2252E-01	.1556E-07
62	*	*	0.00	0.000	0.010	0.0321	0.0867	.2234E-01	.1543E-07
63	*	*	0.00	0.000	0.023	0.0321	0.0861	.2217E-01	.1531E-07
64	*	*	0.10	0.000	0.000	0.0321	0.0854	.2200E-01	.1519E-07
65	*	*	0.01	0.000	0.019	0.0321	0.0847	.2183E-01	.1508E-07
66	*	*	0.00	0.000	0.016	0.0321	0.0841	.2166E-01	.1496E-07
67	*	*	0.00	0.000	0.000	0.0321	0.0835	.2150E-01	.1485E-07
68	*	*	0.11	0.000	0.018	0.0321	0.0829	.2134E-01	.1474E-07
69	*	*	0.00	0.000	0.021	0.0321	0.0823	.2119E-01	.1464E-07
70	*	*	0.00	0.000	0.016	0.0321	0.0817	.2104E-01	.1453E-07
71	*	*	0.00	0.000	0.015	0.0321	0.0811	.2089E-01	.1443E-07
72	*	*	0.00	0.000	0.013	0.0321	0.0806	.2075E-01	.1433E-07
73	*	*	0.00	0.000	0.019	0.0321	0.0800	.2061E-01	.1424E-07
74	*	*	0.00	0.000	0.024	0.0321	0.0795	.2047E-01	.1414E-07
75	*	*	0.00	0.000	0.000	0.0321	0.0789	.2033E-01	.1405E-07
76	*	*	0.00	0.000	0.035	0.0321	0.0784	.2020E-01	.1395E-07
77	*	*	0.00	0.000	0.024	0.0321	0.0779	.2007E-01	.1386E-07
78	*	*	0.00	0.000	0.000	0.0321	0.0774	.1994E-01	.1378E-07
79	*	*	0.00	0.000	0.000	0.1895	0.0769	.1982E-01	.1369E-07
80	*	*	0.42	0.000	0.000	0.2729	0.0765	.1970E-01	.1360E-07
81	*	*	0.15	0.000	0.026	0.2818	0.0760	.1958E-01	.1352E-07
82	*	*	0.95	0.000	0.028	0.2818	0.0755	.1946E-01	.1344E-07
83	*	*	0.03	0.000	0.027	0.2818	0.0751	.1934E-01	.1336E-07
84	*	*	0.00	0.000	0.015	0.3112	0.0747	.1923E-01	.1328E-07
85	*	*	0.56	0.000	0.000	0.3500	0.0715	.1841E-01	.1272E-07
86	*	*	0.54	0.000	0.000	0.3500	0.0691	.1779E-01	.1229E-07
87	*	*	0.13	0.000	0.061	0.3500	0.0688	.1773E-01	.1224E-07
88	*	*	0.00	0.000	0.069	0.3500	2.3789	.4967E-01	.4406E-06
89	*	*	0.00	0.000	0.000	0.3500	5.8530	.8712E-01	.1095E-05
90	*	*	0.05	0.000	0.012	0.3500	7.0098	.9457E-01	.1323E-05
91	*	*	0.00	0.000	0.000	0.3500	7.8087	.9971E-01	.1482E-05
92	*	*	0.00	0.000	0.000	0.3500	8.3606	.1033	.1593E-05
93	*	*	0.00	0.000	0.000	0.3500	8.7895	.1061	.1680E-05
94	*	*	0.00	0.000	0.000	0.3500	9.1234	.1083	.1748E-05
95	*	*	0.00	0.000	0.000	0.3500	9.3836	.1100	.1801E-05
96	*	*	0.00	0.000	0.000	0.3500	9.8330	.1131	.1894E-05
97	*	*	0.00	0.000	0.000	0.3500	10.3140	.1165	.1993E-05
98	*	*	0.12	0.000	0.043	0.3500	10.4397	.1173	.2019E-05
99	*	*	0.05	0.000	0.026	0.3500	10.4948	.1177	.2031E-05
100	*	*	0.00	0.000	0.101	0.3500	10.5222	.1179	.2036E-05
101	*	*	0.00	0.000	0.000	0.3500	10.5268	.1180	.2037E-05
102	*	*	0.00	0.000	0.000	0.3500	10.5121	.1179	.2034E-05
103	*	*	0.00	0.000	0.000	0.3500	10.4810	.1176	.2028E-05
104	*	*	0.84	0.000	0.012	0.3500	10.4397	.1173	.2019E-05
105	*	*	0.00	0.000	0.000	0.3500	10.3813	.1169	.2007E-05
106	*	*	0.30	0.000	0.012	0.3500	10.2224	.1158	.1974E-05
107	*	*	0.01	0.000	0.007	0.3500	10.0231	.1144	.1933E-05
108	*	*	0.00	0.000	0.000	0.3500	9.7844	.1128	.1884E-05
109	*	*	0.00	0.000	0.000	0.3500	9.6624	.1119	.1859E-05
110	*	*	0.00	0.000	0.000	0.3500	9.7150	.1123	.1869E-05
111	*	*	0.00	0.000	0.000	0.3500	9.7732	.1127	.1881E-05
112	*	*	0.00	0.000	0.000	0.3500	9.8150	.1130	.1890E-05
113	*	*	0.00	0.000	0.000	0.3500	9.8385	.1131	.1895E-05
114	*	*	0.00	0.000	0.000	0.3500	9.8446	.1132	.1896E-05
115	*	*	0.00	0.000	0.000	0.3500	9.8349	.1131	.1894E-05
116	*	*	0.00	0.000	0.000	0.3500	9.8108	.1129	.1889E-05
117	*	*	0.02	0.000	0.010	0.3500	9.7737	.1127	.1882E-05

118	*	*	0.00	0.000	0.000	0.3500	9.7334	.1124	.1873E-05
119	*	*	0.25	0.000	0.053	0.3500	9.6756	.1120	.1861E-05
120	*		0.55	0.000	0.000	0.3500	9.6085	.1115	.1848E-05
121	*		0.03	0.000	0.011	0.3500	9.5411	.1111	.1834E-05
122	*		0.00	0.000	0.000	0.3500	9.3873	.1100	.1802E-05
123	*		0.00	0.000	0.000	0.3500	9.1657	.1085	.1757E-05
124	*		0.06	0.000	0.012	0.3500	8.9777	.1073	.1718E-05
125	*		0.02	0.000	0.010	0.3500	8.9546	.1071	.1714E-05
126	*		0.88	0.000	0.012	0.3500	8.9119	.1069	.1705E-05
127	*		0.04	0.000	0.011	0.3500	8.8471	.1064	.1692E-05
128			0.00	0.000	0.035	0.0005	8.6955	.1054	.1661E-05
129			0.00	0.000	0.000	0.0005	9.6338	.1118	.1853E-05
130			0.00	0.000	0.000	0.0005	11.0890	.1220	.2155E-05
131			0.00	0.000	0.000	0.0005	12.6888	4.352	.2402E-05
132			0.00	0.000	0.000	0.0005	0.0194	.4998E-02	.4610E-08
133			0.00	0.000	0.000	0.0005	2.7846	.6359E-01	.5117E-06
134			0.00	0.000	0.000	0.0005	4.0442	.7547E-01	.7457E-06
135			0.06	0.000	0.015	0.0062	4.3923	.7771E-01	.8121E-06
136			0.01	0.000	0.020	0.0050	4.8589	.8071E-01	.9018E-06
137			0.00	0.000	0.019	0.0026	5.4673	.8463E-01	.1019E-05
138			0.00	0.000	0.012	0.0005	5.6767	.8598E-01	.1060E-05
139			0.00	0.000	0.000	0.0005	5.7915	.8672E-01	.1083E-05
140			0.00	0.000	0.000	0.0005	5.8860	.8733E-01	.1101E-05
141			0.00	0.000	0.000	0.0005	5.9570	.8779E-01	.1115E-05
142			0.01	0.000	0.008	0.0005	6.0073	.8811E-01	.1125E-05
143			0.00	0.000	0.000	0.0005	6.0373	.8830E-01	.1131E-05
144			0.37	0.000	0.019	0.0443	6.0537	.8841E-01	.1134E-05
145			0.00	0.000	0.010	0.0213	6.0612	.8846E-01	.1135E-05
146			1.25	0.000	0.029	0.1627	6.0389	.8831E-01	.1131E-05
147			0.00	0.000	0.086	0.0280	6.0179	.8818E-01	.1127E-05
148			0.00	0.000	0.040	0.0005	5.9998	.8806E-01	.1123E-05
149			0.55	0.000	0.106	0.0560	5.9010	.8743E-01	.1104E-05
150			0.34	0.000	0.221	0.0449	5.7413	.8640E-01	.1073E-05
151			0.00	0.000	0.125	0.0293	5.6358	.8572E-01	.1052E-05
152			0.00	0.000	0.167	0.0080	5.5363	.8508E-01	.1033E-05
153			0.00	0.000	0.031	0.0005	5.5069	.8489E-01	.1027E-05
154			0.00	0.000	0.000	0.0005	5.5802	.8536E-01	.1041E-05
155			0.00	0.000	0.000	0.0005	5.6304	.8568E-01	.1051E-05
156			0.00	0.000	0.000	0.0005	5.6902	.8607E-01	.1063E-05
157			0.00	0.000	0.000	0.0005	5.7456	.8642E-01	.1074E-05
158			0.00	0.000	0.000	0.0005	5.7909	.8672E-01	.1083E-05
159			0.00	0.000	0.000	0.0005	5.8247	.8693E-01	.1089E-05
160			0.00	0.000	0.000	0.0005	5.8469	.8708E-01	.1093E-05
161			0.00	0.000	0.000	0.0005	5.8582	.8715E-01	.1096E-05
162			0.00	0.000	0.000	0.0005	5.8594	.8716E-01	.1096E-05
163			0.00	0.000	0.000	0.0005	5.8512	.8710E-01	.1094E-05
164			0.00	0.000	0.000	0.0005	5.8346	.8700E-01	.1091E-05
165			0.06	0.000	0.013	0.0063	5.8102	.8684E-01	.1086E-05
166			0.04	0.000	0.020	0.0088	5.7789	.8664E-01	.1080E-05
167			0.00	0.000	0.015	0.0070	5.7412	.8640E-01	.1073E-05
168			0.00	0.000	0.015	0.0051	5.6977	.8612E-01	.1064E-05
169			0.00	0.000	0.011	0.0032	5.6499	.8581E-01	.1055E-05
170			0.00	0.000	0.012	0.0018	5.5980	.8547E-01	.1045E-05
171			0.11	0.000	0.026	0.0117	5.5416	.8511E-01	.1034E-05
172			0.02	0.000	0.026	0.0109	5.4820	.8473E-01	.1022E-05
173			0.00	0.000	0.021	0.0083	5.4180	.8432E-01	.1010E-05
174			0.00	0.000	0.020	0.0055	5.3487	.8387E-01	.9964E-06
175			0.00	0.000	0.023	0.0025	5.2778	.8341E-01	.9827E-06
176			0.00	0.000	0.008	0.0005	5.2050	.8294E-01	.9686E-06
177			0.22	0.000	0.025	0.0249	5.1306	.8246E-01	.9542E-06
178			0.35	0.000	0.037	0.0640	5.0528	.8196E-01	.9392E-06
179			0.03	0.000	0.198	0.0331	4.9701	.8143E-01	.9232E-06
180			0.95	0.000	0.044	0.1343	4.8881	.8090E-01	.9074E-06
181			0.01	0.000	0.138	0.0443	4.8179	.8045E-01	.8938E-06
182			1.07	0.000	0.246	0.1198	4.7510	.8002E-01	.8810E-06
183			0.20	0.000	0.211	0.0592	4.6444	.7933E-01	.8605E-06
184			0.00	0.000	0.122	0.0133	4.5210	.7854E-01	.8368E-06
185			0.00	0.000	0.058	0.0023	4.3897	.7769E-01	.8116E-06
186			0.00	0.000	0.007	0.0005	4.2418	.7674E-01	.7834E-06
187			0.00	0.000	0.000	0.0005	4.0843	.7573E-01	.7533E-06
188			0.33	0.000	0.086	0.0310	4.0040	.7521E-01	.7380E-06
189			0.00	0.000	0.052	0.0245	4.0608	.7558E-01	.7489E-06
190			0.00	0.000	0.083	0.0141	4.1356	.7606E-01	.7631E-06
191			0.00	0.000	0.070	0.0030	4.2015	.7648E-01	.7757E-06
192			0.00	0.000	0.011	0.0005	4.2652	.7689E-01	.7878E-06
193			0.69	0.000	0.092	0.0753	4.3166	.7722E-01	.7977E-06
194			0.00	0.000	0.121	0.0244	4.3361	.7735E-01	.8014E-06
195			0.00	0.000	0.150	0.0006	4.3666	.7754E-01	.8072E-06
196			0.00	0.000	0.001	0.0005	4.3329	.7733E-01	.8008E-06
197			0.16	0.000	0.105	0.0074	4.1956	.7644E-01	.7746E-06
198			0.05	0.000	0.054	0.0067	4.1099	.7589E-01	.7582E-06
199			0.00	0.000	0.039	0.0016	4.0982	.7582E-01	.7560E-06

200	0.00	0.000	0.006	0.0005	4.1086	.7588E-01	.7580E-06
201	0.16	0.000	0.076	0.0107	4.1230	.7598E-01	.7607E-06
202	0.00	0.000	0.042	0.0051	4.1305	.7602E-01	.7621E-06
203	1.15	0.000	0.147	0.1304	4.1346	.7605E-01	.7629E-06
204	0.00	0.000	0.128	0.0515	4.1351	.7605E-01	.7630E-06
205	0.00	0.000	0.086	0.0050	4.1368	.7606E-01	.7633E-06
206	0.00	0.000	0.019	0.0027	4.0633	.7559E-01	.7493E-06
207	0.00	0.000	0.009	0.0005	3.9282	.7472E-01	.7236E-06
208	0.00	0.000	0.000	0.0005	3.7993	.7389E-01	.6992E-06
209	0.65	0.000	0.102	0.0690	3.7881	.7382E-01	.6970E-06
210	0.03	0.000	0.104	0.0269	3.8328	.7411E-01	.7055E-06
211	0.00	0.000	0.109	0.0054	3.9016	.7455E-01	.7186E-06
212	0.00	0.000	0.020	0.0005	3.8768	.7439E-01	.7139E-06
213	0.00	0.000	0.000	0.0005	3.7621	.7365E-01	.6921E-06
214	0.00	0.000	0.000	0.0005	3.7206	.7338E-01	.6842E-06
215	0.00	0.000	0.000	0.0005	3.7577	.7362E-01	.6913E-06
216	0.00	0.000	0.000	0.0005	3.8110	.7397E-01	.7014E-06
217	0.00	0.000	0.000	0.0005	3.8616	.7429E-01	.7110E-06
218	0.00	0.000	0.000	0.0005	3.9048	.7457E-01	.7192E-06
219	0.00	0.000	0.000	0.0005	3.9393	.7479E-01	.7257E-06
220	0.00	0.000	0.000	0.0005	3.9650	.7496E-01	.7306E-06
221	0.00	0.000	0.000	0.0005	3.9822	.7507E-01	.7339E-06
222	0.00	0.000	0.000	0.0005	3.9913	.7513E-01	.7356E-06
223	0.00	0.000	0.000	0.0005	3.9928	.7514E-01	.7359E-06
224	0.00	0.000	0.000	0.0005	3.9874	.7510E-01	.7349E-06
225	0.00	0.000	0.000	0.0005	3.9757	.7503E-01	.7327E-06
226	0.00	0.000	0.000	0.0005	3.9580	.7491E-01	.7293E-06
227	0.00	0.000	0.000	0.0005	3.9350	.7477E-01	.7249E-06
228	1.02	0.000	0.114	0.1137	3.9071	.7459E-01	.7196E-06
229	0.09	0.000	0.143	0.0530	3.8744	.7438E-01	.7134E-06
230	0.00	0.000	0.100	0.0062	3.8567	.7426E-01	.7101E-06
231	0.00	0.000	0.030	0.0005	3.8097	.7396E-01	.7011E-06
232	0.00	0.000	0.000	0.0005	3.7094	.7331E-01	.6821E-06
233	0.00	0.000	0.000	0.0005	3.5642	.7238E-01	.6546E-06
234	0.00	0.000	0.000	0.0005	3.4400	.7158E-01	.6312E-06
235	0.34	0.000	0.081	0.0329	3.3887	.7125E-01	.6215E-06
236	0.08	0.000	0.123	0.0276	3.3755	.7116E-01	.6190E-06
237	0.22	0.000	0.107	0.0400	3.3708	.7113E-01	.6181E-06
238	0.10	0.000	0.170	0.0279	3.3693	.7112E-01	.6179E-06
239	0.00	0.000	0.135	0.0082	3.3779	.7118E-01	.6195E-06
240	0.00	0.000	0.033	0.0023	3.3833	.7121E-01	.6205E-06
241	0.00	0.000	0.011	0.0005	3.3710	.7113E-01	.6182E-06
242	0.00	0.000	0.000	0.0005	3.3211	.7081E-01	.6088E-06
243	0.00	0.000	0.000	0.0005	3.2691	.7048E-01	.5990E-06
244	0.00	0.000	0.000	0.0005	3.2215	.7017E-01	.5900E-06
245	0.00	0.000	0.000	0.0005	3.1791	.6990E-01	.5821E-06
246	0.63	0.000	0.058	0.0719	3.1396	.6964E-01	.5746E-06
247	0.00	0.000	0.070	0.0283	3.1004	.6939E-01	.5673E-06
248	0.01	0.000	0.050	0.0055	3.0802	.6926E-01	.5635E-06
249	0.00	0.000	0.021	0.0005	3.0408	.6901E-01	.5561E-06
250	0.00	0.000	0.000	0.0005	2.9458	.6840E-01	.5383E-06
251	0.40	0.000	0.043	0.0452	2.8108	.6753E-01	.5131E-06
252	0.28	0.000	0.082	0.0478	2.6994	.6681E-01	.4923E-06
253	0.00	0.000	0.072	0.0364	0.7993	.5197E-01	.1451E-06
254	0.00	0.000	0.070	0.0246	2.0332	.6230E-01	.3704E-06
255	0.01	0.000	0.052	0.0157	1.9733	.6206E-01	.3592E-06
256	0.00	0.000	0.060	0.0040	0.1875	.4829E-01	.3340E-07
257	0.39	0.000	0.056	0.0441	0.1711	.4408E-01	.3048E-07
258	0.00	0.000	0.050	0.0193	0.1685	.4340E-01	.3001E-07
259	0.04	0.000	0.059	0.0169	0.1625	.4185E-01	.2894E-07
260	0.05	0.000	0.067	0.0107	0.1697	.4370E-01	.3022E-07
261	0.11	0.000	0.080	0.0117	0.1710	.4405E-01	.3046E-07
262	0.17	0.000	0.067	0.0246	0.1614	.4157E-01	.2874E-07
263	0.01	0.000	0.056	0.0189	0.1621	.4174E-01	.2886E-07
264	0.00	0.000	0.069	0.0102	0.1513	.3897E-01	.2694E-07
265	0.00	0.000	0.057	0.0029	0.1437	.3702E-01	.2559E-07
266	0.00	0.000	0.012	0.0015	0.1467	.3779E-01	.2613E-07
267	0.00	0.000	0.005	0.0005	0.1592	.4101E-01	.2835E-07
268	0.44	0.000	0.050	0.0493	0.1738	.4477E-01	.3096E-07
269	0.00	0.000	0.034	0.0208	0.8223	.5333E-01	.1494E-06
270	0.00	0.000	0.070	0.0097	0.8350	.5392E-01	.1517E-06
271	0.00	0.000	0.037	0.0005	2.7234	.6696E-01	.4967E-06
272	0.00	0.000	0.000	0.0005	2.6538	.6652E-01	.4838E-06
273	0.35	0.000	0.041	0.0391	1.9602	.6201E-01	.3568E-06
274	0.02	0.000	0.036	0.0243	0.1876	.4831E-01	.3341E-07
275	0.00	0.000	0.051	0.0140	0.1679	.4325E-01	.2991E-07
276	0.00	0.000	0.045	0.0039	0.1617	.4164E-01	.2879E-07
277	0.00	0.000	0.014	0.0005	0.1605	.4133E-01	.2858E-07
278	0.50	0.000	0.050	0.0568	0.1643	.4232E-01	.2926E-07
279	0.06	0.000	0.069	0.0281	0.1687	.4345E-01	.3005E-07
280	0.00	0.000	0.050	0.0035	0.1496	.3854E-01	.2664E-07
281	0.00	0.000	0.013	0.0005	0.1417	.3649E-01	.2522E-07

282	0.00	0.000	0.000	0.0005	0.1625	.4185E-01	.2893E-07
283	0.00	0.000	0.000	0.0005	0.1701	.4381E-01	.3029E-07
284	0.01	0.000	0.010	0.0005	0.1443	.3717E-01	.2570E-07
285	0.01	0.000	0.010	0.0005	0.1165	.3000E-01	.2073E-07
286	0.11	0.000	0.035	0.0095	0.1105	.2847E-01	.1968E-07
287	0.63	0.000	0.044	0.0827	0.1240	.3194E-01	.2208E-07
288	0.04	0.000	0.052	0.0390	0.1485	.3824E-01	.2644E-07
289	0.01	0.000	0.033	0.0022	0.1678	.4322E-01	.2989E-07
290	0.00	0.000	0.009	0.0005	2.1068	.6252E-01	.3841E-06
291	0.00	0.000	0.000	0.0005	2.6484	.6648E-01	.4828E-06
292	0.00	0.000	0.000	0.0005	0.7861	.5383E-01	.1426E-06
293	0.02	0.000	0.014	0.0012	0.1725	.4443E-01	.3073E-07
294	0.15	0.000	0.035	0.0153	0.1570	.4043E-01	.2795E-07
295	0.00	0.000	0.023	0.0122	0.1657	.4268E-01	.2951E-07
296 *	0.10	0.000	0.034	0.0146	0.8468	.5293E-01	.1540E-06
297 *	0.31	0.000	0.026	0.0169	2.8393	.6771E-01	.5184E-06
298 *	0.05	0.000	0.028	0.0193	2.8570	.6782E-01	.5217E-06
299	0.01	0.000	0.015	0.0575	2.8678	.6789E-01	.5237E-06
300	0.00	0.000	0.032	0.0275	2.8711	.6791E-01	.5243E-06
301	0.02	0.000	0.048	0.0201	2.8918	.6805E-01	.5282E-06
302	0.38	0.000	0.057	0.0563	2.8599	.6784E-01	.5222E-06
303	0.00	0.000	0.025	0.0201	2.7617	.6721E-01	.5039E-06
304	0.19	0.000	0.053	0.0338	1.4549	.5840E-01	.2649E-06
305	1.02	0.000	0.057	0.1490	2.6619	.6657E-01	.4853E-06
306	0.26	0.000	0.047	0.0887	1.3795	.5684E-01	.2509E-06
307	0.07	0.000	0.052	0.0458	0.1846	.4754E-01	.3288E-07
308	0.10	0.000	0.060	0.0483	0.1888	.4863E-01	.3363E-07
309	0.11	0.000	0.054	0.0518	0.1956	.5039E-01	.3486E-07
310	0.13	0.000	0.058	0.0567	0.1680	.4326E-01	.2992E-07
311	0.10	0.000	0.048	0.0558	0.1237	.3186E-01	.2202E-07
312	0.00	0.000	0.036	0.0467	0.1459	.3758E-01	.2598E-07
313	0.05	0.000	0.056	0.0433	2.3150	.6394E-01	.4231E-06
314	0.27	0.000	0.061	0.0583	3.1042	.6942E-01	.5680E-06
315	0.00	0.000	0.043	0.0394	3.2221	.7017E-01	.5902E-06
316	0.00	0.000	0.036	0.0317	3.2536	.7038E-01	.5961E-06
317	0.00	0.000	0.026	0.0256	3.2160	.7014E-01	.5890E-06
318	0.00	0.000	0.028	0.0189	3.2775	.7053E-01	.6006E-06
319	0.00	0.000	0.037	0.0097	3.3698	.7113E-01	.6180E-06
320	0.00	0.000	0.037	0.0005	3.4570	.7169E-01	.6344E-06
321	0.02	0.000	0.013	0.0012	3.5119	.7204E-01	.6448E-06
322 *	0.05	0.000	0.030	0.0034	3.5211	.7210E-01	.6465E-06
323	0.00	0.000	0.015	0.0006	3.5635	.7237E-01	.6545E-06
324	0.00	0.000	0.000	0.0005	3.6231	.7276E-01	.6658E-06
325 *	0.00	0.000	0.000	0.0005	3.6701	.7306E-01	.6747E-06
326 *	0.12	0.000	0.026	0.0028	3.7072	.7330E-01	.6817E-06
327 *	0.51	0.000	0.017	0.0053	3.7409	.7352E-01	.6881E-06
328 *	0.39	0.000	0.020	0.0077	3.7655	.7367E-01	.6928E-06
329 *	0.03	0.000	0.000	0.0102	3.7831	.7379E-01	.6961E-06
330	0.31	0.000	0.000	0.1624	3.7930	.7385E-01	.6980E-06
331 *	0.17	0.000	0.024	0.0188	3.8058	.7393E-01	.7004E-06
332 *	0.00	0.000	0.024	0.0213	3.7976	.7388E-01	.6988E-06
333	0.42	0.000	0.000	0.0841	3.7116	.7333E-01	.6825E-06
334 *	0.29	0.000	0.025	0.0353	3.5835	.7250E-01	.6583E-06
335 *	0.09	0.000	0.029	0.0064	3.5757	.7245E-01	.6568E-06
336 *	0.02	0.000	0.021	0.0088	3.4896	.7190E-01	.6406E-06
337 *	0.25	0.000	0.024	0.0111	3.4366	.7156E-01	.6305E-06
338 *	0.14	0.000	0.016	0.0136	3.6552	.7296E-01	.6719E-06
339 *	0.07	0.000	0.018	0.0160	3.8868	.7445E-01	.7158E-06
340 *	0.31	0.000	0.000	0.0182	4.0906	.7577E-01	.7545E-06
341 *	0.00	0.000	0.021	0.0206	4.2639	.7688E-01	.7876E-06
342 *	0.04	0.000	0.021	0.0227	4.4053	.7779E-01	.8146E-06
343 *	0.00	0.000	0.026	0.0252	4.5244	.7856E-01	.8375E-06
344 **	0.00	0.000	0.017	0.0252	4.6205	.7918E-01	.8559E-06
345 **	0.00	0.000	0.011	0.0252	4.6947	.7966E-01	.8701E-06
346 **	0.29	0.000	0.009	0.0252	4.7524	.8003E-01	.8812E-06
347 **	0.12	0.000	0.006	0.0252	4.7954	.8031E-01	.8895E-06
348 **	0.41	0.000	0.005	0.0252	4.8252	.8050E-01	.8953E-06
349 **	0.23	0.000	0.000	0.0252	4.8435	.8062E-01	.8988E-06
350 **	0.12	0.000	0.000	0.0252	4.8513	.8067E-01	.9003E-06
351 **	0.24	0.000	0.000	0.0252	4.8497	.8066E-01	.9000E-06
352 **	0.05	0.000	0.000	0.0252	4.8399	.8059E-01	.8981E-06
353 **	0.00	0.000	0.014	0.0252	4.8226	.8048E-01	.8947E-06
354 **	0.03	0.000	0.007	0.0252	4.7985	.8033E-01	.8901E-06
355 **	0.00	0.000	0.008	0.0252	4.7684	.8013E-01	.8843E-06
356 **	0.00	0.000	0.016	0.0252	4.7328	.7990E-01	.8775E-06
357 **	0.02	0.000	0.000	0.0252	4.6923	.7964E-01	.8697E-06
358 *	0.00	0.000	0.000	0.0252	4.6473	.7935E-01	.8610E-06
359 **	0.00	0.000	0.000	0.0252	4.5983	.7904E-01	.8516E-06
360 **	0.00	0.000	0.027	0.0252	4.5457	.7870E-01	.8415E-06
361 **	0.00	0.000	0.027	0.0252	4.4898	.7834E-01	.8308E-06
362 *	0.00	0.000	0.027	0.0321	4.4309	.7796E-01	.8195E-06
363 **	0.00	0.000	0.031	0.0321	4.3694	.7756E-01	.8078E-06

364 * 0.00 0.000 0.032 0.0321 4.3054 .7715E-01 .7955E-06
 365 * * 0.00 0.000 0.023 0.0321 4.2393 .7672E-01 .7829E-06

MONTHLY TOTALS (IN INCHES) FOR YEAR 1991

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	5.32	1.25	3.11	2.14	3.62	1.79
	4.49	1.85	2.89	2.62	4.42	2.43
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	0.294	0.521	0.507	0.263	0.800	0.850
	2.356	1.046	1.386	0.912	0.932	0.437
SUBSURFACE INFLOW INTO LAYER 2	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED FROM LAYER 3	1.8804	0.7418	0.8060	3.3914	7.0614	2.5515
	2.3630	2.2723	1.6474	1.5262	1.9642	2.4198
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.0000	0.0000	0.0000	0.0001	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	2.232	0.103	0.564	9.818	6.783	5.532
	4.162	3.708	1.438	0.991	2.728	4.446
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	1.579	0.010	1.627	0.641	2.548	0.312
	0.228	0.258	1.302	1.180	1.395	0.430

ANNUAL TOTALS FOR YEAR 1991

	INCHES	CU. FEET	PERCENT
PRECIPITATION	35.93	130423.057	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	10.302	37396.702	28.67
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	8.46
DRAINAGE COLLECTED FROM LAYER 3	28.6254	103908.091	79.67
PERC./LEAKAGE THROUGH LAYER 5	0.000243	0.882	0.00
AVG. HEAD ON TOP OF LAYER 4	3.5420		
CHANGE IN WATER STORAGE	0.040	145.113	0.11
SOIL WATER AT START OF YEAR	11.762	42696.464	
SOIL WATER AT END OF YEAR	11.802	42841.577	
SNOW WATER AT START OF YEAR	2.006	7281.615	5.58
SNOW WATER AT END OF YEAR	2.006	7281.615	5.58
ANNUAL WATER BUDGET BALANCE	0.0000	-0.002	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
 DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
 LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1992

S										
DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK	
I	I		WATER	#1	#1	#1				
R	L	IN.	IN.	IN.	IN./IN.	IN.	IN.	IN.		
1	*	0.00	0.000	0.023	0.0321	4.1712	.7629E-01	.7699E-06		
2	*	0.04	0.000	0.017	0.0321	4.1013	.7584E-01	.7566E-06		
3	*	0.00	0.000	0.017	0.0321	4.0298	.7538E-01	.7430E-06		
4	*	0.00	0.000	0.016	0.0321	3.9569	.7491E-01	.7291E-06		
5	*	0.00	0.000	0.019	0.0321	3.8828	.7443E-01	.7150E-06		
6	*	0.22	0.000	0.000	0.0321	3.8075	.7394E-01	.7007E-06		
7	*	0.00	0.000	0.023	0.0321	3.7312	.7345E-01	.6863E-06		
8	*	0.08	0.000	0.016	0.0321	3.6541	.7296E-01	.6716E-06		
9	*	0.08	0.000	0.010	0.0321	3.5762	.7245E-01	.6569E-06		
10	*	0.08	0.000	0.010	0.0321	3.4976	.7195E-01	.6421E-06		
11	*	0.00	0.000	0.007	0.0321	3.4185	.7144E-01	.6271E-06		
12	*	0.02	0.000	0.011	0.0321	3.3389	.7093E-01	.6121E-06		
13	*	0.09	0.000	0.007	0.0321	3.2588	.7041E-01	.5971E-06		
14	*	0.04	0.000	0.007	0.0321	3.1785	.6989E-01	.5820E-06		
15	*	0.18	0.000	0.008	0.0321	3.0979	.6937E-01	.5668E-06		
16	*	0.11	0.000	0.000	0.0321	3.0171	.6885E-01	.5517E-06		
17	*	0.45	0.000	0.000	0.0321	2.9362	.6833E-01	.5365E-06		
18	*	0.19	0.000	0.000	0.0321	2.8552	.6781E-01	.5214E-06		
19	*	0.08	0.000	0.000	0.0321	2.7742	.6729E-01	.5062E-06		
20	*	0.02	0.000	0.000	0.0321	2.6932	.6677E-01	.4911E-06		
21	*	0.00	0.000	0.018	0.0321	2.0130	.6235E-01	.3666E-06		
22	*	0.18	0.000	0.013	0.0321	0.1959	.5047E-01	.3491E-07		
23	*	0.55	0.000	0.000	0.0321	0.1940	.4998E-01	.3457E-07		
24	*	0.07	0.000	0.012	0.0321	0.1864	.4800E-01	.3320E-07		
25	*	0.10	0.000	0.012	0.0321	0.1768	.4553E-01	.3149E-07		
26	*	0.06	0.000	0.009	0.0321	0.1670	.4302E-01	.2975E-07		
27	*	0.03	0.000	0.000	0.0321	0.1580	.4068E-01	.2813E-07		
28	*	0.00	0.000	0.017	0.0321	0.1499	.3861E-01	.2670E-07		
29	*	0.00	0.000	0.013	0.0321	0.1429	.3682E-01	.2545E-07		
30	*	0.16	0.000	0.011	0.0321	0.1370	.3528E-01	.2439E-07		
31	*	0.15	0.000	0.000	0.0321	0.1319	.3397E-01	.2348E-07		
32	*	0.00	0.000	0.020	0.0321	0.1276	.3286E-01	.2271E-07		
33	*	0.00	0.000	0.016	0.0321	0.1239	.3191E-01	.2205E-07		
34	*	0.01	0.000	0.014	0.0321	0.1207	.3109E-01	.2149E-07		
35	*	0.00	0.000	0.018	0.0321	0.1180	.3039E-01	.2100E-07		
36	*	0.00	0.000	0.015	0.0321	0.1156	.2977E-01	.2057E-07		
37	*	0.22	0.000	0.000	0.0321	0.1134	.2922E-01	.2019E-07		
38	*	0.19	0.000	0.000	0.0321	0.1115	.2872E-01	.1985E-07		
39	*	0.21	0.000	0.000	0.0321	0.1098	.2827E-01	.1954E-07		
40	*	0.06	0.000	0.000	0.0321	0.1082	.2786E-01	.1925E-07		
41	*	0.25	0.000	0.000	0.0321	0.1067	.2748E-01	.1899E-07		
42	*	0.06	0.000	0.000	0.0321	0.1053	.2713E-01	.1875E-07		
43	*	0.00	0.000	0.026	0.0321	0.1040	.2680E-01	.1852E-07		
44	*	0.09	0.000	0.016	0.0321	0.1028	.2648E-01	.1830E-07		
45	*	0.00	0.000	0.011	0.0321	0.1016	.2618E-01	.1809E-07		
46	*	0.00	0.000	0.017	0.0321	0.1005	.2589E-01	.1789E-07		
47	*	0.00	0.000	0.022	0.0321	0.0994	.2562E-01	.1770E-07		
48	*	0.00	0.000	0.012	0.0321	0.0984	.2535E-01	.1751E-07		
49	*	0.00	0.000	0.013	0.0321	0.0974	.2509E-01	.1734E-07		
50	*	0.00	0.000	0.018	0.0321	0.0965	.2484E-01	.1717E-07		
51	*	0.23	0.000	0.000	0.0321	0.0955	.2460E-01	.1700E-07		
52	*	0.01	0.000	0.000	0.0321	0.0946	.2437E-01	.1684E-07		
53	*	0.03	0.000	0.013	0.0321	0.0937	.2414E-01	.1668E-07		
54	*	0.00	0.000	0.018	0.0321	0.0929	.2392E-01	.1653E-07		
55	*	0.24	0.000	0.000	0.0321	0.0920	.2371E-01	.1638E-07		
56	*	0.05	0.000	0.016	0.0321	0.0912	.2350E-01	.1623E-07		
57	*	0.07	0.000	0.015	0.0321	0.0904	.2329E-01	.1609E-07		
58	*	0.13	0.000	0.000	0.0321	0.0897	.2310E-01	.1596E-07		
59	*	0.17	0.000	0.016	0.0321	0.0889	.2290E-01	.1582E-07		
60	*	0.00	0.000	0.013	0.0321	0.0882	.2271E-01	.1569E-07		
61	*	0.00	0.000	0.016	0.0321	0.0875	.2253E-01	.1556E-07		

62	*	*	0.01	0.000	0.011	0.0321	0.0868	.2235E-01	.1544E-07
63	*	*	0.00	0.000	0.011	0.0321	0.0861	.2217E-01	.1532E-07
64	*	*	0.00	0.000	0.009	0.0321	0.0854	.2200E-01	.1520E-07
65	*	*	0.05	0.000	0.000	0.0321	0.0848	.2183E-01	.1508E-07
66	*	*	0.28	0.000	0.000	0.0321	0.0841	.2167E-01	.1497E-07
67	*	*	0.00	0.000	0.000	0.0321	0.0835	.2151E-01	.1486E-07
68	*	*	0.20	0.000	0.000	0.0321	0.0829	.2135E-01	.1475E-07
69	*	*	0.15	0.000	0.000	0.0321	0.0823	.2119E-01	.1464E-07
70	*	*	0.08	0.000	0.024	0.0321	0.0817	.2104E-01	.1454E-07
71	*	*	0.00	0.000	0.037	0.0321	0.0811	.2090E-01	.1443E-07
72	*	*	0.00	0.000	0.014	0.0620	0.0806	.2075E-01	.1434E-07
73	*	*	0.00	0.000	0.000	0.1769	0.0800	.2061E-01	.1424E-07
74	*	*	0.00	0.000	0.019	0.1864	0.0795	.2047E-01	.1414E-07
75	*	*	0.00	0.000	0.039	0.1864	0.0790	.2034E-01	.1405E-07
76	*	*	0.00	0.000	0.000	0.2583	0.0784	.2020E-01	.1396E-07
77	*	*	0.00	0.000	0.029	0.2650	0.0779	.2007E-01	.1387E-07
78	*	*	0.00	0.000	0.021	0.2650	0.0774	.1995E-01	.1378E-07
79	*	*	0.00	0.000	0.018	0.2650	0.0770	.1982E-01	.1369E-07
80	*	*	0.00	0.000	0.016	0.2650	0.0765	.1970E-01	.1361E-07
81	*	*	0.00	0.000	0.024	0.2650	0.0760	.1958E-01	.1352E-07
82	*	*	0.00	0.000	0.026	0.2650	0.0756	.1946E-01	.1344E-07
83	*	*	0.00	0.000	0.000	0.3277	0.0751	.1935E-01	.1336E-07
84	*	*	0.00	0.000	0.000	0.3500	0.0731	.1884E-01	.1301E-07
85	*	*	0.08	0.000	0.000	0.3500	0.0693	.1785E-01	.1233E-07
86	*	*	0.08	0.000	0.000	0.3500	0.0709	.1826E-01	.1261E-07
87	*	*	0.00	0.000	0.000	0.3500	0.0741	.1909E-01	.1318E-07
88	*	*	0.00	0.000	0.000	0.3500	0.0816	.2102E-01	.1452E-07
89	*	*	0.00	0.000	0.000	0.3500	0.0761	.1960E-01	.1354E-07
90	*	*	0.00	0.000	0.000	0.3500	0.0554	.1427E-01	.9854E-08
91	*	*	0.00	0.000	0.000	0.3500	0.1241	.3197E-01	.2210E-07
92	*	*	0.02	0.000	0.010	0.3500	3.5238	.7212E-01	.6470E-06
93	*	*	0.00	0.000	0.000	0.3500	3.8011	.7390E-01	.6995E-06
94	*	*	0.01	0.000	0.007	0.3500	4.0145	.7528E-01	.7400E-06
95	*	*	0.00	0.000	0.000	0.3500	4.1934	.7643E-01	.7741E-06
96	*	*	0.00	0.000	0.000	0.3500	4.3369	.7735E-01	.8016E-06
97	*	*	0.02	0.000	0.020	0.3500	4.4539	.7811E-01	.8239E-06
98	*	*	0.20	0.000	0.013	0.3500	4.5491	.7872E-01	.8422E-06
99	*	*	0.00	0.000	0.000	0.3500	4.6355	.7928E-01	.8588E-06
100	*	*	0.00	0.000	0.000	0.3500	4.5987	.7904E-01	.8517E-06
101	*	*	0.10	0.000	0.013	0.3500	4.5647	.7882E-01	.8452E-06
102	*	*	0.00	0.000	0.000	0.3500	4.6087	.7910E-01	.8536E-06
103	*	*	0.00	0.000	0.000	0.3500	4.5768	.7890E-01	.8475E-06
104	*	*	0.00	0.000	0.000	0.3500	4.5450	.7869E-01	.8414E-06
105	*	*	0.00	0.000	0.000	0.3500	4.5431	.7868E-01	.8410E-06
106	*	*	0.00	0.000	0.000	0.3500	4.5510	.7873E-01	.8425E-06
107	*	*	0.00	0.000	0.000	0.3500	4.5584	.7878E-01	.8440E-06
108	*	*	0.00	0.000	0.000	0.3500	4.5619	.7880E-01	.8446E-06
109	*	*	0.00	0.000	0.000	0.3500	4.5601	.7879E-01	.8443E-06
110	*	*	0.26	0.000	0.047	0.3500	4.5525	.7874E-01	.8428E-06
111	*	*	0.27	0.000	0.061	0.3500	4.5389	.7865E-01	.8402E-06
112	*	*	0.13	0.000	0.013	0.3500	4.5424	.7868E-01	.8409E-06
113	*	*	0.13	0.000	0.013	0.3500	4.4767	.7825E-01	.8283E-06
114	*	*	0.01	0.000	0.007	0.3500	4.3687	.7756E-01	.8076E-06
115	*	*	0.01	0.000	0.007	0.3500	4.2187	.7659E-01	.7790E-06
116	*	*	0.00	0.000	0.000	0.3500	4.0743	.7566E-01	.7514E-06
117	*	*	0.00	0.000	0.027	0.0005	4.0301	.7538E-01	.7430E-06
118	*	*	0.00	0.000	0.000	0.0005	4.4057	.7780E-01	.8148E-06
119	*	*	0.07	0.000	0.021	0.0066	5.3373	.8379E-01	.9943E-06
120	*	*	0.00	0.000	0.035	0.0023	6.0855	.8861E-01	.1140E-05
121	*	*	0.00	0.000	0.008	0.0013	6.6343	.9215E-01	.1248E-05
122	*	*	0.07	0.000	0.025	0.0066	7.0462	.9480E-01	.1330E-05
123	*	*	0.16	0.000	0.115	0.0086	7.3586	.9681E-01	.1392E-05
124	*	*	0.07	0.000	0.104	0.0076	7.7100	.9907E-01	.1462E-05
125	*	*	0.00	0.000	0.031	0.0037	8.3369	.1031	.1588E-05
126	*	*	0.00	0.000	0.015	0.0015	8.5458	.1045	.1631E-05
127	*	*	0.00	0.000	0.004	0.0005	8.6319	.1050	.1648E-05
128	*	*	0.00	0.000	0.000	0.0005	8.6821	.1053	.1658E-05
129	*	*	0.00	0.000	0.000	0.0005	8.7168	.1056	.1665E-05
130	*	*	0.00	0.000	0.000	0.0005	8.7309	.1057	.1668E-05
131	*	*	0.00	0.000	0.000	0.0005	8.7272	.1056	.1667E-05
132	*	*	0.93	0.000	0.027	0.1133	8.7082	.1055	.1664E-05
133	*	*	0.03	0.000	0.073	0.0520	8.6759	.1053	.1657E-05
134	*	*	0.00	0.000	0.032	0.0010	8.6422	.1051	.1650E-05
135	*	*	0.00	0.000	0.002	0.0005	8.5713	.1046	.1636E-05
136	*	*	0.00	0.000	0.000	0.0005	8.3852	.1034	.1598E-05
137	*	*	0.31	0.000	0.054	0.0028	8.2075	.1023	.1562E-05
138	*	*	0.23	0.000	0.064	0.0529	8.1138	.1017	.1543E-05
139	*	*	0.00	0.000	0.070	0.0190	8.0552	.1013	.1532E-05
140	*	*	0.00	0.000	0.113	0.0046	8.0216	.1011	.1525E-05
141	*	*	0.00	0.000	0.017	0.0005	7.9088	.1004	.1502E-05
142	*	*	0.00	0.000	0.000	0.0005	7.7703	.9946E-01	.1474E-05
143	*	*	0.40	0.000	0.061	0.0429	7.6553	.9872E-01	.1451E-05

144	0.00	0.000	0.085	0.0248	7.5779	.9822E-01	.1436E-05
145	0.00	0.000	0.042	0.0148	7.5266	.9789E-01	.1426E-05
146	0.00	0.000	0.032	0.0066	7.4853	.9763E-01	.1417E-05
147	0.00	0.000	0.028	0.0005	7.4099	.9714E-01	.1402E-05
148	0.00	0.000	0.000	0.0005	7.3092	.9649E-01	.1382E-05
149	0.00	0.000	0.000	0.0005	7.1814	.9567E-01	.1357E-05
150	0.00	0.000	0.000	0.0005	7.0793	.9501E-01	.1336E-05
151	0.00	0.000	0.000	0.0005	6.9999	.9450E-01	.1321E-05
152	0.00	0.000	0.000	0.0005	6.9304	.9405E-01	.1307E-05
153	0.00	0.000	0.000	0.0005	6.8638	.9362E-01	.1294E-05
154	0.00	0.000	0.000	0.0005	6.7970	.9319E-01	.1280E-05
155	0.00	0.000	0.000	0.0005	6.7286	.9275E-01	.1267E-05
156	0.00	0.000	0.000	0.0005	6.6581	.9230E-01	.1253E-05
157	0.00	0.000	0.000	0.0005	6.5852	.9183E-01	.1238E-05
158	0.14	0.000	0.020	0.0155	6.5097	.9134E-01	.1224E-05
159	0.01	0.000	0.019	0.0144	6.4318	.9084E-01	.1208E-05
160	0.00	0.000	0.015	0.0125	6.3515	.9033E-01	.1192E-05
161	0.00	0.000	0.016	0.0094	6.2678	.8979E-01	.1176E-05
162	0.00	0.000	0.015	0.0069	6.1871	.8927E-01	.1160E-05
163	0.00	0.000	0.011	0.0044	6.1046	.8874E-01	.1144E-05
164	0.00	0.000	0.016	0.0023	6.0236	.8821E-01	.1128E-05
165	0.00	0.000	0.007	0.0005	5.9340	.8764E-01	.1110E-05
166	0.00	0.000	0.000	0.0005	5.8423	.8705E-01	.1093E-05
167	0.21	0.000	0.021	0.0242	5.7449	.8642E-01	.1074E-05
168	0.00	0.000	0.015	0.0223	5.6449	.8578E-01	.1054E-05
169	0.34	0.000	0.030	0.0609	5.5438	.8512E-01	.1034E-05
170	0.28	0.000	0.177	0.0561	5.4430	.8448E-01	.1015E-05
171	0.00	0.000	0.158	0.0337	5.3582	.8393E-01	.9983E-06
172	0.00	0.000	0.167	0.0086	5.2592	.8329E-01	.9791E-06
173	0.00	0.000	0.033	0.0005	5.1298	.8246E-01	.9540E-06
174	0.00	0.000	0.000	0.0005	5.0192	.8175E-01	.9327E-06
175	0.06	0.000	0.017	0.0059	4.8815	.8086E-01	.9061E-06
176	0.00	0.000	0.021	0.0032	4.7268	.7986E-01	.8763E-06
177	0.00	0.000	0.017	0.0005	4.5757	.7889E-01	.8473E-06
178	0.00	0.000	0.000	0.0005	4.4467	.7806E-01	.8226E-06
179	0.00	0.000	0.000	0.0005	4.3344	.7734E-01	.8011E-06
180	0.57	0.000	0.042	0.0664	4.2287	.7666E-01	.7809E-06
181	0.00	0.000	0.099	0.0221	4.1285	.7601E-01	.7618E-06
182	0.00	0.000	0.028	0.0151	4.0479	.7549E-01	.7464E-06
183	1.00	0.000	0.066	0.1286	3.9710	.7500E-01	.7318E-06
184	1.44	0.000	0.240	0.1848	3.8617	.7429E-01	.7110E-06
185	0.03	0.000	0.143	0.0479	3.7469	.7355E-01	.6892E-06
186	0.05	0.000	0.184	0.0020	3.6297	.7280E-01	.6670E-06
187	0.02	0.000	0.028	0.0007	3.5057	.7200E-01	.6436E-06
188	0.00	0.000	0.000	0.0005	3.3636	.7109E-01	.6168E-06
189	0.00	0.000	0.000	0.0005	3.2917	.7062E-01	.6032E-06
190	0.04	0.000	0.020	0.0028	3.4540	.7167E-01	.6338E-06
191	0.00	0.000	0.014	0.0005	3.6373	.7285E-01	.6685E-06
192	0.47	0.000	0.055	0.0524	3.8018	.7391E-01	.6996E-06
193	0.00	0.000	0.122	0.0120	3.9341	.7476E-01	.7248E-06
194	0.08	0.000	0.064	0.0140	4.0499	.7551E-01	.7468E-06
195	0.01	0.000	0.080	0.0048	4.0259	.7535E-01	.7422E-06
196	0.00	0.000	0.018	0.0016	4.0266	.7536E-01	.7424E-06
197	0.68	0.000	0.081	0.0759	4.0849	.7573E-01	.7534E-06
198	0.09	0.000	0.171	0.0296	4.1394	.7608E-01	.7638E-06
199	0.00	0.000	0.146	0.0026	4.2019	.7648E-01	.7758E-06
200	0.00	0.000	0.013	0.0005	4.1773	.7633E-01	.7711E-06
201	0.03	0.000	0.029	0.0005	4.0510	.7551E-01	.7470E-06
202	0.00	0.000	0.000	0.0005	4.0269	.7536E-01	.7424E-06
203	0.01	0.000	0.010	0.0005	4.0742	.7566E-01	.7514E-06
204	0.00	0.000	0.000	0.0005	4.1317	.7603E-01	.7624E-06
205	0.00	0.000	0.000	0.0005	4.1844	.7637E-01	.7724E-06
206	0.00	0.000	0.000	0.0005	4.2286	.7666E-01	.7809E-06
207	0.08	0.000	0.026	0.0072	4.2634	.7688E-01	.7875E-06
208	0.00	0.000	0.037	0.0026	4.2886	.7704E-01	.7923E-06
209	0.00	0.000	0.009	0.0015	4.3048	.7715E-01	.7954E-06
210	0.17	0.000	0.074	0.0130	4.3122	.7719E-01	.7968E-06
211	0.00	0.000	0.053	0.0064	4.3166	.7722E-01	.7977E-06
212	0.00	0.000	0.030	0.0019	4.3082	.7717E-01	.7961E-06
213	0.00	0.000	0.006	0.0005	4.2942	.7708E-01	.7934E-06
214	0.02	0.000	0.020	0.0005	4.2793	.7698E-01	.7905E-06
215	0.00	0.000	0.000	0.0005	4.2510	.7680E-01	.7851E-06
216	0.00	0.000	0.000	0.0005	4.2165	.7658E-01	.7786E-06
217	0.00	0.000	0.000	0.0005	4.1779	.7633E-01	.7712E-06
218	0.00	0.000	0.000	0.0005	4.1358	.7606E-01	.7631E-06
219	0.00	0.000	0.000	0.0005	4.0904	.7577E-01	.7545E-06
220	0.30	0.000	0.078	0.0283	4.0421	.7545E-01	.7453E-06
221	0.04	0.000	0.102	0.0202	3.9906	.7512E-01	.7355E-06
222	0.00	0.000	0.119	0.0051	3.9381	.7479E-01	.7255E-06
223	0.00	0.000	0.019	0.0027	3.8822	.7443E-01	.7149E-06
224	0.00	0.000	0.009	0.0005	3.8242	.7405E-01	.7039E-06
225	0.00	0.000	0.000	0.0005	3.7659	.7368E-01	.6928E-06

226	0.00	0.000	0.000	0.0005	3.7034	.7327E-01	.6810E-06
227	0.00	0.000	0.000	0.0005	3.6380	.7285E-01	.6686E-06
228	0.00	0.000	0.000	0.0005	3.5711	.7242E-01	.6559E-06
229	0.00	0.000	0.000	0.0005	3.5030	.7198E-01	.6431E-06
230	0.17	0.000	0.054	0.0148	3.4336	.7154E-01	.6300E-06
231	0.01	0.000	0.070	0.0072	3.3640	.7109E-01	.6169E-06
232	0.00	0.000	0.035	0.0023	3.2937	.7064E-01	.6036E-06
233	0.00	0.000	0.009	0.0010	3.2223	.7018E-01	.5902E-06
234	0.01	0.000	0.011	0.0005	3.1502	.6971E-01	.5766E-06
235	0.00	0.000	0.000	0.0005	3.0799	.6926E-01	.5634E-06
236	0.00	0.000	0.000	0.0005	3.0068	.6879E-01	.5497E-06
237	0.01	0.000	0.010	0.0005	2.9322	.6831E-01	.5358E-06
238	0.39	0.000	0.051	0.0428	2.8571	.6782E-01	.5217E-06
239	0.00	0.000	0.087	0.0255	2.7815	.6734E-01	.5076E-06
240	0.00	0.000	0.155	0.0024	2.7052	.6685E-01	.4933E-06
241	0.00	0.000	0.009	0.0005	2.0283	.6248E-01	.3695E-06
242	0.15	0.000	0.060	0.0118	0.7919	.5410E-01	.1437E-06
243	0.31	0.000	0.064	0.0425	0.1960	.5049E-01	.3493E-07
244	0.00	0.000	0.142	0.0247	0.1932	.4977E-01	.3443E-07
245	0.00	0.000	0.057	0.0176	0.1847	.4756E-01	.3290E-07
246	0.41	0.000	0.075	0.0573	0.1746	.4498E-01	.3111E-07
247	0.00	0.000	0.100	0.0169	0.1618	.4168E-01	.2882E-07
248	0.00	0.000	0.096	0.0043	0.1427	.3675E-01	.2541E-07
249	0.44	0.000	0.096	0.0462	0.1338	.3446E-01	.2382E-07
250	0.06	0.000	0.074	0.0218	0.1372	.3534E-01	.2443E-07
251	0.12	0.000	0.107	0.0205	0.1408	.3627E-01	.2507E-07
252	0.03	0.000	0.099	0.0078	0.1341	.3454E-01	.2387E-07
253	0.07	0.000	0.058	0.0087	0.1298	.3344E-01	.2312E-07
254	0.01	0.000	0.049	0.0028	0.1282	.3302E-01	.2282E-07
255	0.00	0.000	0.010	0.0016	0.1256	.3236E-01	.2236E-07
256	0.00	0.000	0.004	0.0005	0.1216	.3132E-01	.2165E-07
257	0.04	0.000	0.026	0.0020	0.1142	.2941E-01	.2032E-07
258	0.00	0.000	0.008	0.0009	0.1018	.2621E-01	.1811E-07
259	0.00	0.000	0.001	0.0005	0.0874	.2252E-01	.1556E-07
260	0.80	0.000	0.044	0.0950	0.0710	.1830E-01	.1264E-07
261	0.27	0.000	0.077	0.0724	0.0615	.1584E-01	.1094E-07
262	0.11	0.000	0.080	0.0319	0.0540	.1391E-01	.9606E-08
263	0.00	0.000	0.077	0.0222	0.0541	.1394E-01	.9623E-08
264	0.00	0.000	0.068	0.0136	0.0694	.1787E-01	.1234E-07
265	0.00	0.000	0.044	0.0081	0.0917	.2363E-01	.1633E-07
266	0.02	0.000	0.054	0.0029	0.1041	.2683E-01	.1854E-07
267	0.00	0.000	0.013	0.0005	0.0988	.2544E-01	.1758E-07
268	0.00	0.000	0.000	0.0005	0.0758	.1952E-01	.1348E-07
269	0.00	0.000	0.000	0.0005	0.0666	.1715E-01	.1184E-07
270	0.67	0.000	0.054	0.0775	0.0680	.1751E-01	.1210E-07
271	0.38	0.000	0.063	0.0792	0.0774	.1994E-01	.1378E-07
272	0.03	0.000	0.057	0.0234	0.0846	.2178E-01	.1504E-07
273	0.00	0.000	0.057	0.0130	0.1104	.2843E-01	.1965E-07
274	0.00	0.000	0.028	0.0057	0.1441	.3713E-01	.2567E-07
275	0.00	0.000	0.021	0.0005	0.1670	.4301E-01	.2974E-07
276	0.00	0.000	0.000	0.0005	0.1624	.4184E-01	.2893E-07
277	0.00	0.000	0.000	0.0005	0.1445	.3723E-01	.2574E-07
278	0.00	0.000	0.000	0.0005	0.1147	.2955E-01	.2042E-07
279	0.00	0.000	0.000	0.0005	0.1022	.2633E-01	.1820E-07
280	0.00	0.000	0.000	0.0005	0.1134	.2922E-01	.2019E-07
281	0.85	0.000	0.042	0.1014	0.1388	.3574E-01	.2471E-07
282	0.02	0.000	0.035	0.0495	0.1679	.4326E-01	.2991E-07
283	0.39	0.000	0.040	0.0459	0.8424	.5270E-01	.1532E-06
284	0.03	0.000	0.041	0.0222	2.7868	.6737E-01	.5086E-06
285	0.00	0.000	0.047	0.0132	2.7136	.6690E-01	.4949E-06
286	0.00	0.000	0.054	0.0013	2.5990	.6616E-01	.4736E-06
287	0.04	0.000	0.023	0.0029	1.3406	.5734E-01	.2437E-06
288	0.07	0.000	0.032	0.0076	0.1648	.4246E-01	.2936E-07
289	0.00	0.000	0.038	0.0026	0.1290	.3323E-01	.2297E-07
290	0.45	0.000	0.058	0.0516	0.1364	.3513E-01	.2428E-07
291	0.04	0.000	0.059	0.0233	0.8633	.5048E-01	.1571E-06
292	0.00	0.000	0.053	0.0067	2.9945	.6871E-01	.5474E-06
293	0.00	0.000	0.026	0.0005	2.9947	.6871E-01	.5475E-06
294	0.33	0.000	0.036	0.0373	2.8932	.6806E-01	.5285E-06
295	0.00	0.000	0.021	0.0264	2.8398	.6771E-01	.5185E-06
296	0.00	0.000	0.024	0.0180	2.2205	.6368E-01	.4054E-06
297	0.00	0.000	0.033	0.0097	2.9399	.6836E-01	.5372E-06
298	0.00	0.000	0.035	0.0006	2.9491	.6842E-01	.5389E-06
299	0.00	0.000	0.001	0.0005	2.9602	.6849E-01	.5410E-06
300	0.00	0.000	0.000	0.0005	2.9401	.6836E-01	.5372E-06
301	0.00	0.000	0.000	0.0005	2.9473	.6841E-01	.5386E-06
302 *	0.00	0.000	0.000	0.0005	2.9761	.6859E-01	.5440E-06
303 *	0.00	0.000	0.000	0.0005	3.0093	.6880E-01	.5502E-06
304 *	0.00	0.000	0.000	0.0005	3.0400	.6900E-01	.5560E-06
305	0.00	0.000	0.000	0.0005	3.0655	.6917E-01	.5607E-06
306 *	0.00	0.000	0.000	0.0005	3.0850	.6929E-01	.5644E-06
307 *	0.46	0.000	0.027	0.0028	3.0978	.6937E-01	.5668E-06

308	0.11	0.000	0.000	0.0677	3.1064	.6943E-01	.5684E-06
309	0.13	0.000	0.046	0.0448	3.1089	.6945E-01	.5689E-06
310	0.09	0.000	0.043	0.0199	3.1244	.6955E-01	.5718E-06
311	0.06	0.000	0.038	0.0226	3.0981	.6938E-01	.5668E-06
312	0.00	0.000	0.031	0.0187	2.9882	.6867E-01	.5463E-06
313 *	0.00	0.000	0.000	0.0187	2.8646	.6787E-01	.5231E-06
314	0.00	0.000	0.025	0.0149	2.8091	.6752E-01	.5127E-06
315	0.12	0.000	0.042	0.0240	2.8077	.6751E-01	.5125E-06
316	0.00	0.000	0.022	0.0208	2.8211	.6759E-01	.5150E-06
317 *	0.18	0.000	0.022	0.0231	2.8292	.6764E-01	.5165E-06
318 *	0.04	0.000	0.027	0.0255	2.8299	.6765E-01	.5166E-06
319	0.01	0.000	0.023	0.0404	2.8259	.6762E-01	.5159E-06
320	0.00	0.000	0.029	0.0367	2.8185	.6758E-01	.5145E-06
321 *	0.04	0.000	0.033	0.0376	2.8086	.6751E-01	.5126E-06
322 *	0.00	0.000	0.021	0.0331	2.7946	.6742E-01	.5100E-06
323	0.00	0.000	0.025	0.0271	2.7815	.6734E-01	.5076E-06
324	0.00	0.000	0.023	0.0217	2.7716	.6727E-01	.5057E-06
325	0.82	0.000	0.042	0.1179	2.7603	.6720E-01	.5036E-06
326	0.44	0.000	0.043	0.0998	2.1037	.6290E-01	.3835E-06
327 *	0.00	0.000	0.000	0.0262	2.1037	.6282E-01	.3835E-06
328 *	0.00	0.000	0.000	0.0007	2.6873	.6673E-01	.4900E-06
329 *	0.00	0.000	0.001	0.0005	2.0095	.6232E-01	.3660E-06
330 *	0.00	0.000	0.000	0.0005	1.9316	.6186E-01	.3515E-06
331	0.00	0.000	0.000	0.0005	0.1932	.4977E-01	.3443E-07
332	0.00	0.000	0.000	0.0005	0.1571	.4047E-01	.2798E-07
333	0.00	0.000	0.000	0.0005	0.1178	.3033E-01	.2096E-07
334	0.00	0.000	0.000	0.0005	0.1276	.3287E-01	.2272E-07
335	0.00	0.000	0.000	0.0005	0.1758	.4528E-01	.3132E-07
336	0.00	0.000	0.000	0.0005	2.9932	.6870E-01	.5472E-06
337	0.11	0.000	0.029	0.0106	3.0546	.6910E-01	.5587E-06
338 *	0.08	0.000	0.030	0.0128	3.1048	.6942E-01	.5681E-06
339 *	0.17	0.000	0.019	0.0152	3.1455	.6968E-01	.5757E-06
340 *	0.01	0.000	0.026	0.0177	3.1772	.6989E-01	.5817E-06
341 *	0.00	0.000	0.027	0.0199	3.1977	.7002E-01	.5856E-06
342 *	0.00	0.000	0.013	0.0224	3.2122	.7011E-01	.5883E-06
343 *	0.00	0.000	0.008	0.0245	3.2171	.7014E-01	.5892E-06
344 *	0.08	0.000	0.007	0.0270	3.2154	.7013E-01	.5889E-06
345 **	0.03	0.000	0.010	0.0270	3.2088	.7009E-01	.5876E-06
346 **	0.00	0.000	0.007	0.0270	3.1951	.7000E-01	.5851E-06
347 **	0.00	0.000	0.008	0.0270	3.1762	.6988E-01	.5815E-06
348 **	0.00	0.000	0.012	0.0270	3.1529	.6973E-01	.5771E-06
349 **	0.11	0.000	0.009	0.0270	3.1255	.6955E-01	.5720E-06
350 **	0.47	0.000	0.011	0.0270	3.0945	.6935E-01	.5662E-06
351 **	0.53	0.000	0.017	0.0270	3.0600	.6913E-01	.5597E-06
352 **	0.16	0.000	0.012	0.0270	3.0223	.6889E-01	.5526E-06
353 **	0.16	0.000	0.009	0.0270	2.9818	.6863E-01	.5451E-06
354 **	0.05	0.000	0.011	0.0270	2.9387	.6835E-01	.5370E-06
355 **	0.07	0.000	0.013	0.0270	2.8932	.6806E-01	.5285E-06
356 **	0.05	0.000	0.000	0.0270	2.8454	.6775E-01	.5195E-06
357 **	0.15	0.000	0.000	0.0270	2.7957	.6743E-01	.5102E-06
358 **	0.14	0.000	0.000	0.0270	2.7440	.6710E-01	.5006E-06
359 **	0.16	0.000	0.015	0.0270	2.6907	.6675E-01	.4906E-06
360 **	0.22	0.000	0.012	0.0270	1.4193	.5842E-01	.2583E-06
361 **	0.09	0.000	0.009	0.0270	0.7981	.5409E-01	.1448E-06
362 **	0.01	0.000	0.007	0.0270	0.1936	.4986E-01	.3449E-07
363 **	0.01	0.000	0.000	0.0270	0.1918	.4940E-01	.3417E-07
364 **	0.07	0.000	0.000	0.0270	0.1878	.4838E-01	.3346E-07
365 **	0.16	0.000	0.000	0.0270	0.1830	.4713E-01	.3260E-07
366 **	0.21	0.000	0.000	0.0270	0.1780	.4584E-01	.3170E-07

MONTHLY TOTALS (IN INCHES) FOR YEAR 1992

	JAN	JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.98	2.02	0.93	1.23	2.20	1.61	
	4.20	1.41	3.46	2.22	2.50	3.30	
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	0.297	0.309	0.314	0.300	0.995	0.943	
	1.719	1.104	1.575	0.720	0.564	0.320	
SUBSURFACE INFLOW INTO	0.2580	0.2414	0.2580	0.2497	0.2580	0.2497	

LAYER 2	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED	1.9174	0.7672	0.6397	2.3614	3.1209	2.5633
FROM LAYER 3	2.3287	2.1749	0.8371	1.7124	1.8782	2.0110
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	2.343	0.103	0.080	4.548	7.958	5.593
TOP OF LAYER 4	3.990	3.227	0.108	1.724	2.325	2.464
STD. DEVIATION OF DAILY	1.593	0.011	0.010	0.590	0.618	0.878
HEAD ON TOP OF LAYER 4	0.299	1.090	0.036	1.322	1.037	1.135

ANNUAL TOTALS FOR YEAR 1992

	INCHES	CU. FEET	PERCENT
PRECIPITATION	28.06	101855.580	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.161	33252.321	32.65
SUBSURFACE INFLOW INTO LAYER 2	3.046331	11057.941	10.86
DRAINAGE COLLECTED FROM LAYER 3	22.3123	80991.897	79.52
PERC./LEAKAGE THROUGH LAYER 5	0.000196	0.712	0.00
AVG. HEAD ON TOP OF LAYER 4	2.8720		
CHANGE IN WATER STORAGE	-0.367	-1331.407	-1.31
SOIL WATER AT START OF YEAR	11.802	42841.577	
SOIL WATER AT END OF YEAR	10.680	38767.481	
SNOW WATER AT START OF YEAR	2.006	7281.615	7.15
SNOW WATER AT END OF YEAR	2.762	10024.303	9.84
ANNUAL WATER BUDGET BALANCE	0.0000	-0.002	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1993

S	DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK
I	I			WATER	#1	#1	#1			
R	L	IN.	IN.	IN./IN.	IN.	IN.	IN.			
1	*	0.21	0.000	0.000	0.0270	0.1731	.4458E-01	.3083E-07		
2	*	0.24	0.000	0.020	0.0270	0.1685	.4339E-01	.3001E-07		
3	*	0.08	0.000	0.000	0.0270	0.1642	.4229E-01	.2924E-07		
4	*	0.01	0.000	0.016	0.0270	0.1602	.4126E-01	.2853E-07		

5	*	*	0.02	0.000	0.018	0.0270	0.1565	.4031E-01	.2787E-07
6	*	*	0.05	0.000	0.018	0.0270	0.1531	.3943E-01	.2726E-07
7	*	*	0.28	0.000	0.012	0.0270	0.1499	.3861E-01	.2669E-07
8	*	*	0.20	0.000	0.009	0.0270	0.1469	.3784E-01	.2616E-07
9	*	*	0.02	0.000	0.012	0.0270	0.1441	.3712E-01	.2566E-07
10	*	*	0.00	0.000	0.020	0.0270	0.1415	.3644E-01	.2519E-07
11	*	*	0.00	0.000	0.019	0.0270	0.1390	.3580E-01	.2474E-07
12	*	*	0.00	0.000	0.017	0.0270	0.1366	.3518E-01	.2432E-07
13	*	*	0.12	0.000	0.000	0.0270	0.1343	.3460E-01	.2392E-07
14	*	*	0.04	0.000	0.000	0.0270	0.1322	.3404E-01	.2353E-07
15	*	*	0.05	0.000	0.000	0.0270	0.1301	.3351E-01	.2316E-07
16	*	*	0.17	0.000	0.000	0.0270	0.1281	.3300E-01	.2281E-07
17	*	*	0.02	0.000	0.017	0.0270	0.1262	.3251E-01	.2247E-07
18	*	*	0.09	0.000	0.016	0.0270	0.1244	.3203E-01	.2214E-07
19	*	*	0.04	0.000	0.000	0.0270	0.1226	.3158E-01	.2182E-07
20	*	*	0.00	0.000	0.020	0.0270	0.1209	.3114E-01	.2152E-07
21	*	*	0.00	0.000	0.021	0.0270	0.1192	.3071E-01	.2123E-07
22	*	*	0.38	0.000	0.016	0.0270	0.1177	.3030E-01	.2094E-07
23	*	*	0.09	0.000	0.000	0.0270	0.1161	.2991E-01	.2067E-07
24	*	*	0.28	0.000	0.014	0.0270	0.1146	.2953E-01	.2040E-07
25	*	*	0.03	0.000	0.012	0.0270	0.1132	.2915E-01	.2015E-07
26	*	*	0.04	0.000	0.012	0.0270	0.1118	.2880E-01	.1990E-07
27	*	*	0.37	0.000	0.000	0.0270	0.1104	.2845E-01	.1966E-07
28	*	*	0.01	0.000	0.014	0.0270	0.1091	.2811E-01	.1943E-07
29	*	*	0.34	0.000	0.000	0.0270	0.1079	.2778E-01	.1920E-07
30	*	*	0.12	0.000	0.000	0.0270	0.1066	.2747E-01	.1898E-07
31	*	*	0.00	0.000	0.028	0.0270	0.1054	.2716E-01	.1877E-07
32	*	*	0.00	0.000	0.027	0.0270	0.1043	.2686E-01	.1856E-07
33	*	*	0.00	0.000	0.020	0.0270	0.1032	.2657E-01	.1836E-07
34	*	*	0.00	0.000	0.021	0.0270	0.1021	.2629E-01	.1816E-07
35	*	*	0.00	0.000	0.019	0.0270	0.1010	.2601E-01	.1797E-07
36	*	*	0.00	0.000	0.027	0.0270	0.1000	.2575E-01	.1779E-07
37	*	*	0.02	0.000	0.020	0.0270	0.0989	.2549E-01	.1761E-07
38	*	*	0.02	0.000	0.000	0.0270	0.0980	.2523E-01	.1743E-07
39	*	*	0.03	0.000	0.017	0.0270	0.0970	.2499E-01	.1726E-07
40	*	*	0.00	0.000	0.026	0.0270	0.0961	.2475E-01	.1710E-07
41	*	*	0.00	0.000	0.023	0.0270	0.0952	.2452E-01	.1694E-07
42	*	*	0.00	0.000	0.028	0.0270	0.0943	.2429E-01	.1678E-07
43	*	*	0.03	0.000	0.000	0.0270	0.0934	.2407E-01	.1663E-07
44	*	*	0.00	0.000	0.024	0.0270	0.0926	.2385E-01	.1648E-07
45	*	*	0.01	0.000	0.000	0.0270	0.0918	.2364E-01	.1633E-07
46	*	*	0.04	0.000	0.018	0.0270	0.0910	.2343E-01	.1619E-07
47	*	*	0.08	0.000	0.016	0.0270	0.0902	.2323E-01	.1605E-07
48	*	*	0.04	0.000	0.020	0.0270	0.0894	.2304E-01	.1592E-07
49	*	*	0.38	0.000	0.015	0.0270	0.0887	.2285E-01	.1578E-07
50	*	*	0.34	0.000	0.015	0.0270	0.0880	.2266E-01	.1565E-07
51	*	*	0.01	0.000	0.016	0.0270	0.0873	.2248E-01	.1553E-07
52	*	*	0.00	0.000	0.024	0.0270	0.0866	.2230E-01	.1541E-07
53	*	*	0.00	0.000	0.018	0.0270	0.0859	.2213E-01	.1528E-07
54	*	*	0.03	0.000	0.014	0.0270	0.0852	.2196E-01	.1517E-07
55	*	*	0.09	0.000	0.015	0.0270	0.0846	.2179E-01	.1505E-07
56	*	*	0.02	0.000	0.000	0.0270	0.0840	.2163E-01	.1494E-07
57	*	*	0.00	0.000	0.027	0.0270	0.0833	.2147E-01	.1483E-07
58	*	*	0.00	0.000	0.029	0.0270	0.0827	.2131E-01	.1472E-07
59	*	*	0.00	0.000	0.024	0.0270	0.0821	.2116E-01	.1462E-07
60	*	*	0.00	0.000	0.020	0.0270	0.0816	.2101E-01	.1451E-07
61	*	*	0.00	0.000	0.014	0.0270	0.0810	.2086E-01	.1441E-07
62	*	*	0.00	0.000	0.000	0.0270	0.0804	.2072E-01	.1431E-07
63	*	*	0.00	0.000	0.023	0.0270	0.0799	.2058E-01	.1422E-07
64	*	*	0.00	0.000	0.016	0.0270	0.0794	.2044E-01	.1412E-07
65	*	*	0.00	0.000	0.029	0.0270	0.0789	.2031E-01	.1403E-07
66	*	*	0.00	0.000	0.024	0.0270	0.0783	.2018E-01	.1394E-07
67	*	*	0.13	0.000	0.024	0.0270	0.0778	.2005E-01	.1385E-07
68	*	*	0.05	0.000	0.000	0.0270	0.0773	.1992E-01	.1376E-07
69	*	*	0.01	0.000	0.025	0.0270	0.0769	.1980E-01	.1368E-07
70	*	*	0.06	0.000	0.016	0.0270	0.0764	.1968E-01	.1359E-07
71	*	*	0.00	0.000	0.008	0.0270	0.0759	.1956E-01	.1351E-07
72	*	*	0.05	0.000	0.000	0.0270	0.0755	.1944E-01	.1343E-07
73	*	*	0.04	0.000	0.015	0.0270	0.0750	.1933E-01	.1335E-07
74	*	*	0.00	0.000	0.020	0.0270	0.0746	.1921E-01	.1327E-07
75	*	*	0.00	0.000	0.017	0.0270	0.0742	.1910E-01	.1319E-07
76	*	*	0.30	0.000	0.000	0.0270	0.0737	.1899E-01	.1312E-07
77	*	*	0.04	0.000	0.000	0.0270	0.0733	.1889E-01	.1305E-07
78	*	*	0.00	0.000	0.025	0.0270	0.0729	.1878E-01	.1297E-07
79	*	*	0.03	0.000	0.000	0.0270	0.0725	.1868E-01	.1290E-07
80	*	*	0.01	0.000	0.022	0.0270	0.0721	.1858E-01	.1283E-07
81	*	*	0.00	0.000	0.033	0.0270	0.0717	.1848E-01	.1276E-07
82	*	*	0.00	0.000	0.025	0.0270	0.0714	.1838E-01	.1270E-07
83	*	*	0.00	0.000	0.000	0.0270	0.0710	.1829E-01	.1263E-07
84	*	*	0.00	0.000	0.036	0.0270	0.0706	.1819E-01	.1257E-07
85	*	*	0.00	0.000	0.029	0.0270	0.0703	.1810E-01	.1250E-07
86	*	*	0.00	0.000	0.022	0.0270	0.0699	.1801E-01	.1244E-07

87	*	*	0.00	0.000	0.016	0.0270	0.0696	.1792E-01	.1238E-07
88	*	*	0.00	0.000	0.032	0.0270	0.0692	.1783E-01	.1232E-07
89	*	*	0.00	0.000	0.033	0.0270	0.0689	.1775E-01	.1226E-07
90	*	*	0.00	0.000	0.036	0.0270	0.0686	.1766E-01	.1220E-07
91	*	*	0.04	0.000	0.000	0.0270	0.0682	.1758E-01	.1214E-07
92	*	*	0.00	0.000	0.040	0.0270	0.0679	.1750E-01	.1208E-07
93	*	*	0.04	0.000	0.036	0.0270	0.0676	.1742E-01	.1203E-07
94	*	*	0.00	0.000	0.040	0.0270	0.0673	.1734E-01	.1197E-07
95	*	*	0.00	0.000	0.029	0.0270	0.0670	.1726E-01	.1192E-07
96	*	*	0.00	0.000	0.041	0.0270	0.0667	.1718E-01	.1187E-07
97	*	*	0.00	0.000	0.033	0.0270	0.0664	.1710E-01	.1181E-07
98	*	*	0.00	0.000	0.046	0.0270	0.0661	.1703E-01	.1176E-07
99	*		0.32	0.000	0.000	0.0656	0.0658	.1696E-01	.1171E-07
100	*		0.29	0.000	0.000	0.3500	0.0656	.1688E-01	.1166E-07
101	*		0.00	0.000	0.034	0.3500	0.0654	.1685E-01	.1163E-07
102	*	*	0.00	0.000	0.048	0.3500	0.0616	.1587E-01	.1096E-07
103	*		0.00	0.000	0.000	0.3500	0.0617	.1589E-01	.1097E-07
104	*		0.00	0.000	0.021	0.3500	0.0625	.1609E-01	.1111E-07
105	*		0.00	0.000	0.000	0.3500	0.0643	.1657E-01	.1144E-07
106	*		0.00	0.000	0.000	0.3500	0.0665	.1712E-01	.1182E-07
107	*		0.15	0.000	0.000	0.3500	0.0682	.1756E-01	.1213E-07
108	*		0.00	0.000	0.000	0.3500	0.0692	.1782E-01	.1231E-07
109	*		0.42	0.000	0.013	0.3500	0.0703	.1811E-01	.1251E-07
110	*		0.00	0.000	0.000	0.3500	0.0712	.1834E-01	.1266E-07
111	*		0.00	0.000	0.000	0.3500	0.0686	.1767E-01	.1221E-07
112	*		0.00	0.000	0.000	0.3500	0.0510	.1314E-01	.9071E-08
113	*		0.00	0.000	0.000	0.3500	0.0814	.2096E-01	.1448E-07
114	*		0.00	0.000	0.000	0.3500	2.6784	.6592E-01	.4915E-06
115	*		0.35	0.000	0.013	0.3500	3.7711	.7371E-01	.6938E-06
116	*		0.00	0.000	0.000	0.3500	3.9583	.7492E-01	.7294E-06
117	*		0.00	0.000	0.000	0.3500	3.9366	.7478E-01	.7252E-06
118	*		0.41	0.000	0.013	0.3500	4.0864	.7574E-01	.7537E-06
119	*		0.38	0.000	0.013	0.3500	4.2167	.7658E-01	.7786E-06
120	*		0.00	0.000	0.000	0.3500	4.1576	.7620E-01	.7673E-06
121	*		0.00	0.000	0.000	0.3500	4.0955	.7580E-01	.7555E-06
122	*		0.10	0.000	0.013	0.3500	4.3796	.7763E-01	.8097E-06
123			0.71	0.000	0.093	0.0587	4.6775	.7955E-01	.8668E-06
124	*		0.04	0.000	0.096	0.0437	6.2042	.8938E-01	.1164E-05
125			0.34	0.000	0.119	0.0428	7.8474	.9996E-01	.1490E-05
126			0.00	0.000	0.093	0.0298	8.8582	.1065	.1694E-05
127			0.00	0.000	0.108	0.0115	9.5485	.1111	.1835E-05
128			0.03	0.000	0.069	0.0015	10.0415	.1145	.1937E-05
129			0.00	0.000	0.004	0.0005	10.3967	.1170	.2010E-05
130			0.02	0.000	0.020	0.0005	10.6545	.1189	.2064E-05
131			0.00	0.000	0.000	0.0005	11.0156	.1215	.2139E-05
132			0.00	0.000	0.000	0.0005	11.5400	.1253	.2249E-05
133			0.00	0.000	0.000	0.0005	11.6649	.1262	.2276E-05
134			0.00	0.000	0.000	0.0005	11.7003	.1265	.2283E-05
135			0.00	0.000	0.000	0.0005	11.7065	.1266	.2284E-05
136			0.08	0.000	0.015	0.0084	11.6898	.1264	.2281E-05
137			0.00	0.000	0.009	0.0072	11.6547	.1262	.2274E-05
138			0.17	0.000	0.027	0.0250	11.6033	.1258	.2263E-05
139			0.00	0.000	0.016	0.0230	11.5369	.1253	.2249E-05
140			0.00	0.000	0.018	0.0203	11.4585	.1247	.2232E-05
141			0.00	0.000	0.015	0.0184	11.3714	.1241	.2214E-05
142			0.00	0.000	0.018	0.0162	11.2745	.1234	.2194E-05
143			0.00	0.000	0.016	0.0142	11.1695	.1226	.2172E-05
144			0.14	0.000	0.029	0.0270	11.0576	.1218	.2148E-05
145			0.41	0.000	0.029	0.0736	10.9437	.1210	.2124E-05
146			0.00	0.000	0.136	0.0313	10.8261	.1201	.2100E-05
147			0.00	0.000	0.140	0.0100	10.7241	.1194	.2078E-05
148			0.52	0.000	0.141	0.0529	10.5419	.1181	.2041E-05
149			0.00	0.000	0.083	0.0179	10.3499	.1167	.2001E-05
150			0.00	0.000	0.095	0.0057	10.1493	.1153	.1959E-05
151			0.56	0.000	0.124	0.0577	9.9643	.1140	.1921E-05
152			0.01	0.000	0.105	0.0189	9.7495	.1125	.1877E-05
153			0.00	0.000	0.102	0.0057	9.5553	.1112	.1837E-05
154			0.00	0.000	0.021	0.0005	9.3834	.1100	.1801E-05
155			0.00	0.000	0.000	0.0005	9.1762	.1086	.1759E-05
156			0.00	0.000	0.000	0.0005	8.9786	.1073	.1719E-05
157			0.00	0.000	0.000	0.0005	8.8430	.1064	.1691E-05
158			0.12	0.000	0.028	0.0120	8.7457	.1058	.1671E-05
159			0.00	0.000	0.021	0.0093	8.6607	.1052	.1654E-05
160			0.10	0.000	0.039	0.0166	8.5802	.1047	.1638E-05
161			0.04	0.000	0.037	0.0170	8.4993	.1042	.1621E-05
162			0.00	0.000	0.025	0.0136	8.4159	.1036	.1604E-05
163			0.00	0.000	0.024	0.0093	8.3255	.1030	.1586E-05
164			0.00	0.000	0.025	0.0053	8.2438	.1025	.1570E-05
165			0.00	0.000	0.020	0.0028	8.1548	.1019	.1552E-05
166			0.24	0.000	0.036	0.0273	8.0564	.1013	.1532E-05
167			0.00	0.000	0.026	0.0241	7.9572	.1007	.1512E-05
168			0.00	0.000	0.035	0.0198	7.8496	.9997E-01	.1490E-05

169	0.08	0.000	0.048	0.0234	7.7383	.9926E-01	.1468E-05
170	0.00	0.000	0.041	0.0183	7.6296	.9856E-01	.1446E-05
171	0.00	0.000	0.038	0.0135	7.5180	.9784E-01	.1424E-05
172	0.57	0.000	0.065	0.0755	7.4039	.9710E-01	.1401E-05
173	0.00	0.000	0.138	0.0186	7.2929	.9639E-01	.1379E-05
174	0.00	0.000	0.105	0.0053	7.2042	.9582E-01	.1361E-05
175	0.00	0.000	0.020	0.0005	7.0959	.9512E-01	.1340E-05
176	0.49	0.000	0.073	0.0527	6.9442	.9414E-01	.1309E-05
177	0.00	0.000	0.140	0.0102	6.7561	.9293E-01	.1272E-05
178	0.00	0.000	0.045	0.0039	6.5956	.9190E-01	.1241E-05
179	0.00	0.000	0.014	0.0021	6.4666	.9107E-01	.1215E-05
180	0.00	0.000	0.007	0.0005	6.2912	.8994E-01	.1181E-05
181	0.00	0.000	0.000	0.0005	6.1197	.8883E-01	.1147E-05
182	0.00	0.000	0.000	0.0005	5.9751	.8790E-01	.1119E-05
183	0.00	0.000	0.000	0.0005	5.8608	.8717E-01	.1096E-05
184	0.22	0.000	0.051	0.0216	5.7661	.8656E-01	.1078E-05
185	0.00	0.000	0.065	0.0135	5.6811	.8601E-01	.1061E-05
186	0.00	0.000	0.071	0.0042	5.6004	.8549E-01	.1045E-05
187	0.00	0.000	0.015	0.0023	5.5211	.8498E-01	.1030E-05
188	0.02	0.000	0.027	0.0005	5.4434	.8448E-01	.1015E-05
189	0.28	0.000	0.057	0.0284	5.3691	.8400E-01	.1000E-05
190	0.00	0.000	0.080	0.0182	5.2883	.8348E-01	.9847E-06
191	0.07	0.000	0.116	0.0124	5.2064	.8295E-01	.9689E-06
192	0.00	0.000	0.069	0.0038	5.1238	.8242E-01	.9529E-06
193	0.00	0.000	0.015	0.0013	5.0380	.8187E-01	.9363E-06
194	0.00	0.000	0.003	0.0005	4.9549	.8133E-01	.9202E-06
195	0.01	0.000	0.010	0.0005	4.8736	.8081E-01	.9046E-06
196	0.00	0.000	0.000	0.0005	4.7878	.8026E-01	.8881E-06
197	0.00	0.000	0.000	0.0005	4.6996	.7969E-01	.8711E-06
198	0.13	0.000	0.066	0.0085	4.6104	.7911E-01	.8540E-06
199	0.00	0.000	0.039	0.0033	4.5206	.7854E-01	.8367E-06
200	0.01	0.000	0.022	0.0019	4.4325	.7797E-01	.8198E-06
201	0.00	0.000	0.006	0.0005	4.3424	.7739E-01	.8026E-06
202	0.00	0.000	0.000	0.0005	4.2550	.7683E-01	.7859E-06
203	0.00	0.000	0.000	0.0005	4.1660	.7625E-01	.7689E-06
204	0.00	0.000	0.000	0.0005	4.0756	.7567E-01	.7517E-06
205	0.00	0.000	0.000	0.0005	3.9849	.7509E-01	.7344E-06
206	0.00	0.000	0.000	0.0005	3.8942	.7450E-01	.7172E-06
207	0.39	0.000	0.075	0.0397	3.8032	.7392E-01	.6999E-06
208	0.05	0.000	0.140	0.0285	3.7138	.7334E-01	.6830E-06
209	0.00	0.000	0.155	0.0058	3.6230	.7276E-01	.6658E-06
210	0.05	0.000	0.049	0.0036	3.5340	.7218E-01	.6489E-06
211	0.08	0.000	0.049	0.0075	3.4510	.7165E-01	.6333E-06
212	0.00	0.000	0.041	0.0020	3.3605	.7107E-01	.6162E-06
213	0.03	0.000	0.037	0.0012	3.2662	.7046E-01	.5985E-06
214	0.00	0.000	0.003	0.0005	3.1738	.6986E-01	.5811E-06
215	0.00	0.000	0.000	0.0005	3.0839	.6928E-01	.5642E-06
216	0.01	0.000	0.010	0.0005	2.9931	.6870E-01	.5472E-06
217	0.00	0.000	0.000	0.0005	2.9013	.6811E-01	.5300E-06
218	0.48	0.000	0.088	0.0496	2.8097	.6752E-01	.5129E-06
219	0.02	0.000	0.140	0.0111	2.7185	.6693E-01	.4958E-06
220	0.00	0.000	0.047	0.0045	1.4234	.5842E-01	.2591E-06
221	0.00	0.000	0.017	0.0024	1.3974	.5825E-01	.2542E-06
222	0.07	0.000	0.042	0.0050	1.3623	.5785E-01	.2477E-06
223	0.00	0.000	0.025	0.0019	0.1908	.4914E-01	.3399E-07
224	0.00	0.000	0.005	0.0005	0.1858	.4786E-01	.3310E-07
225	0.00	0.000	0.000	0.0005	0.1718	.4425E-01	.3060E-07
226	0.00	0.000	0.000	0.0005	0.1565	.4031E-01	.2787E-07
227	0.06	0.000	0.027	0.0046	0.1412	.3636E-01	.2514E-07
228	0.15	0.000	0.075	0.0137	0.1269	.3270E-01	.2260E-07
229	0.00	0.000	0.067	0.0050	0.1122	.2891E-01	.1998E-07
230	0.00	0.000	0.022	0.0018	0.1005	.2589E-01	.1789E-07
231	0.00	0.000	0.005	0.0005	0.0927	.2388E-01	.1649E-07
232	0.01	0.000	0.010	0.0005	0.0832	.2143E-01	.1480E-07
233	0.00	0.000	0.000	0.0005	0.0811	.2088E-01	.1443E-07
234	0.00	0.000	0.000	0.0005	0.0825	.2126E-01	.1469E-07
235	0.49	0.000	0.091	0.0504	0.0849	.2187E-01	.1511E-07
236	0.51	0.000	0.163	0.0693	0.0874	.2252E-01	.1555E-07
237	0.01	0.000	0.069	0.0194	0.0871	.2243E-01	.1550E-07
238	0.00	0.000	0.089	0.0065	0.0846	.2178E-01	.1504E-07
239	0.01	0.000	0.035	0.0005	0.0914	.2353E-01	.1626E-07
240	0.63	0.000	0.104	0.0663	0.0995	.2564E-01	.1771E-07
241	0.00	0.000	0.058	0.0274	0.1083	.2790E-01	.1928E-07
242	0.00	0.000	0.070	0.0073	0.1100	.2834E-01	.1958E-07
243	0.52	0.000	0.115	0.0547	0.1031	.2655E-01	.1835E-07
244	0.00	0.000	0.058	0.0214	0.1004	.2586E-01	.1787E-07
245	0.00	0.000	0.084	0.0088	0.0989	.2547E-01	.1760E-07
246	0.23	0.000	0.099	0.0214	0.0928	.2391E-01	.1652E-07
247	0.00	0.000	0.081	0.0108	0.0910	.2344E-01	.1619E-07
248	0.08	0.000	0.091	0.0092	0.0940	.2422E-01	.1673E-07
249	0.00	0.000	0.045	0.0036	0.0930	.2397E-01	.1656E-07
250	0.01	0.000	0.023	0.0013	0.0874	.2252E-01	.1556E-07

251	0.00	0.000	0.003	0.0005	0.0666	.1716E-01	.1185E-07
252	0.01	0.000	0.010	0.0005	0.0485	.1250E-01	.8632E-08
253	0.41	0.000	0.077	0.0421	0.0401	.1033E-01	.7132E-08
254	0.00	0.000	0.057	0.0246	0.0456	.1174E-01	.8104E-08
255	0.00	0.000	0.090	0.0104	0.0582	.1499E-01	.1035E-07
256	0.00	0.000	0.045	0.0005	0.0783	.2017E-01	.1393E-07
257	0.63	0.000	0.077	0.0696	0.0980	.2524E-01	.1744E-07
258	0.29	0.000	0.077	0.0625	0.1348	.3472E-01	.2400E-07
259	0.00	0.000	0.060	0.0232	0.1433	.3690E-01	.2551E-07
260	0.00	0.000	0.074	0.0139	0.1422	.3663E-01	.2532E-07
261	0.00	0.000	0.081	0.0036	0.1578	.4065E-01	.2810E-07
262	0.00	0.000	0.013	0.0005	0.1658	.4272E-01	.2954E-07
263	0.00	0.000	0.000	0.0005	0.1455	.3749E-01	.2591E-07
264	0.00	0.000	0.000	0.0005	0.1219	.3140E-01	.2170E-07
265	0.00	0.000	0.000	0.0005	0.1067	.2749E-01	.1900E-07
266	0.12	0.000	0.043	0.0101	0.1063	.2737E-01	.1891E-07
267	0.02	0.000	0.033	0.0085	0.1182	.3046E-01	.2105E-07
268	0.00	0.000	0.031	0.0043	0.1369	.3526E-01	.2437E-07
269	0.00	0.000	0.018	0.0019	0.1554	.4004E-01	.2768E-07
270	0.15	0.000	0.049	0.0138	0.1745	.4494E-01	.3108E-07
271	0.08	0.000	0.050	0.0175	0.1884	.4852E-01	.3356E-07
272	0.25	0.000	0.047	0.0425	1.4470	.5849E-01	.2635E-06
273	0.03	0.000	0.061	0.0387	1.4427	.5847E-01	.2627E-06
274	0.04	0.000	0.065	0.0340	1.4353	.5838E-01	.2613E-06
275	0.08	0.000	0.073	0.0326	0.8118	.5423E-01	.1474E-06
276	0.00	0.000	0.073	0.0205	0.8120	.5432E-01	.1474E-06
277	0.08	0.000	0.072	0.0172	0.8105	.5422E-01	.1471E-06
278	0.00	0.000	0.078	0.0045	0.1949	.5021E-01	.3473E-07
279	0.00	0.000	0.018	0.0016	1.4244	.5843E-01	.2592E-06
280	0.00	0.000	0.005	0.0005	1.4004	.5816E-01	.2548E-06
281	0.38	0.000	0.041	0.0428	0.7820	.5409E-01	.1418E-06
282	0.08	0.000	0.062	0.0255	0.1916	.4935E-01	.3413E-07
283	0.00	0.000	0.061	0.0158	0.1766	.4550E-01	.3147E-07
284	0.00	0.000	0.056	0.0043	0.1686	.4342E-01	.3003E-07
285	0.00	0.000	0.021	0.0005	0.1670	.4301E-01	.2974E-07
286	0.00	0.000	0.000	0.0005	0.1663	.4283E-01	.2961E-07
287	0.00	0.000	0.000	0.0005	0.1688	.4349E-01	.3007E-07
288	0.00	0.000	0.000	0.0005	0.1591	.4099E-01	.2834E-07
289	0.00	0.000	0.000	0.0005	0.1391	.3582E-01	.2476E-07
290	0.01	0.000	0.010	0.0005	0.1169	.3012E-01	.2081E-07
291	0.03	0.000	0.017	0.0019	0.1004	.2587E-01	.1788E-07
292 *	0.00	0.000	0.000	0.0019	0.0916	.2359E-01	.1629E-07
293 *	0.00	0.000	0.000	0.0019	0.0913	.2352E-01	.1625E-07
294 *	0.24	0.000	0.009	0.0044	0.0974	.2510E-01	.1734E-07
295 *	0.58	0.000	0.008	0.0069	0.1064	.2741E-01	.1894E-07
296 *	0.00	0.000	0.015	0.0093	0.1161	.2991E-01	.2067E-07
297 *	0.00	0.000	0.000	0.0117	0.1254	.3230E-01	.2233E-07
298	0.00	0.000	0.015	0.0310	0.1332	.3430E-01	.2371E-07
299	0.02	0.000	0.000	0.0466	0.1391	.3582E-01	.2476E-07
300	0.00	0.000	0.000	0.0778	0.1448	.3730E-01	.2579E-07
301	0.00	0.000	0.031	0.0311	0.1449	.3732E-01	.2580E-07
302 *	0.11	0.000	0.036	0.0310	0.1471	.3789E-01	.2619E-07
303	0.18	0.000	0.012	0.0556	0.1608	.4141E-01	.2863E-07
304	0.13	0.000	0.054	0.0559	0.1702	.4383E-01	.3031E-07
305	0.01	0.000	0.036	0.0476	0.1665	.4290E-01	.2966E-07
306	0.00	0.000	0.026	0.0415	0.1616	.4163E-01	.2878E-07
307 *	0.00	0.000	0.000	0.0391	0.1600	.4120E-01	.2849E-07
308	0.00	0.000	0.029	0.0329	0.1523	.3922E-01	.2712E-07
309	0.02	0.000	0.048	0.0262	0.1393	.3588E-01	.2480E-07
310	0.12	0.000	0.069	0.0298	0.1142	.2942E-01	.2033E-07
311	0.06	0.000	0.047	0.0281	0.0939	.2419E-01	.1671E-07
312 *	0.01	0.000	0.010	0.0245	0.0799	.2057E-01	.1421E-07
313 *	0.04	0.000	0.025	0.0253	0.0709	.1827E-01	.1262E-07
314 *	0.13	0.000	0.027	0.0275	0.0815	.2100E-01	.1451E-07
315	0.01	0.000	0.033	0.0347	0.0923	.2377E-01	.1642E-07
316	0.09	0.000	0.049	0.0394	0.0954	.2457E-01	.1698E-07
317 *	0.00	0.000	0.018	0.0367	0.0942	.2427E-01	.1677E-07
318	0.84	0.000	0.043	0.1194	0.0960	.2472E-01	.1708E-07
319	0.00	0.000	0.016	0.0493	0.0988	.2545E-01	.1759E-07
320	0.02	0.000	0.026	0.0012	0.1104	.2842E-01	.1964E-07
321	0.00	0.000	0.002	0.0005	0.1386	.3570E-01	.2468E-07
322	0.00	0.000	0.000	0.0005	0.1595	.4109E-01	.2841E-07
323	0.00	0.000	0.000	0.0005	0.1728	.4450E-01	.3078E-07
324 *	0.07	0.000	0.031	0.0028	0.1588	.4090E-01	.2828E-07
325 *	0.00	0.000	0.019	0.0028	0.1173	.3022E-01	.2088E-07
326 *	0.00	0.000	0.007	0.0014	0.0974	.2510E-01	.1734E-07
327 *	0.01	0.000	0.010	0.0014	0.1155	.2975E-01	.2056E-07
328 *	0.15	0.000	0.029	0.0038	0.1568	.4038E-01	.2792E-07
329	0.00	0.000	0.029	0.0129	1.5258	.5819E-01	.2782E-06
330	0.08	0.000	0.033	0.0188	2.8819	.6798E-01	.5263E-06
331 *	0.61	0.000	0.018	0.0212	2.9011	.6811E-01	.5299E-06
332 *	0.00	0.000	0.008	0.0236	2.9150	.6820E-01	.5325E-06

333	*	0.04	0.000	0.018	0.0261	2.9220	.6824E-01	.5339E-06
334	*	0.03	0.000	0.019	0.0280	2.9222	.6824E-01	.5339E-06
335	*	0.00	0.000	0.019	0.0280	2.9195	.6823E-01	.5334E-06
336	*	0.14	0.000	0.017	0.0280	2.9093	.6816E-01	.5315E-06
337	*	0.01	0.000	0.013	0.0280	2.8937	.6806E-01	.5286E-06
338	*	0.00	0.000	0.011	0.0280	2.8737	.6793E-01	.5248E-06
339	*	0.00	0.000	0.005	0.0280	2.8499	.6778E-01	.5204E-06
340	*	0.00	0.000	0.005	0.0280	2.8224	.6760E-01	.5152E-06
341	*	0.10	0.000	0.007	0.0280	2.7917	.6740E-01	.5095E-06
342	*	0.00	0.000	0.007	0.0280	2.7579	.6719E-01	.5032E-06
343	*	0.00	0.000	0.000	0.0280	2.7213	.6695E-01	.4963E-06
344	*	0.00	0.000	0.000	0.0280	1.4439	.5863E-01	.2629E-06
345	*	0.23	0.000	0.000	0.0280	1.4320	.5840E-01	.2607E-06
346	*	0.00	0.000	0.014	0.0280	1.4188	.5829E-01	.2582E-06
347	*	0.00	0.000	0.018	0.0280	0.1944	.5008E-01	.3464E-07
348	*	0.00	0.000	0.016	0.0280	0.1959	.5046E-01	.3490E-07
349	*	0.00	0.000	0.020	0.0280	0.1949	.5020E-01	.3472E-07
350	*	0.00	0.000	0.013	0.0280	0.1925	.4958E-01	.3430E-07
351	*	0.00	0.000	0.012	0.0280	0.1894	.4877E-01	.3374E-07
352	*	0.07	0.000	0.010	0.0280	0.1858	.4786E-01	.3311E-07
353	*	0.03	0.000	0.012	0.0280	0.1821	.4691E-01	.3244E-07
354	*	0.00	0.000	0.017	0.0280	0.1784	.4595E-01	.3178E-07
355	*	0.16	0.000	0.000	0.0280	0.1747	.4500E-01	.3112E-07
356	*	0.04	0.000	0.000	0.0280	0.1711	.4407E-01	.3047E-07
357	*	0.00	0.000	0.023	0.0280	0.1676	.4316E-01	.2985E-07
358	*	0.14	0.000	0.000	0.0280	0.1642	.4229E-01	.2924E-07
359	*	0.24	0.000	0.000	0.0280	0.1609	.4145E-01	.2866E-07
360	*	0.19	0.000	0.011	0.0280	0.1578	.4064E-01	.2810E-07
361	*	0.07	0.000	0.011	0.0280	0.1548	.3987E-01	.2756E-07
362	*	0.12	0.000	0.010	0.0280	0.1519	.3912E-01	.2705E-07
363	*	0.17	0.000	0.011	0.0280	0.1491	.3841E-01	.2655E-07
364	*	0.23	0.000	0.010	0.0280	0.1465	.3772E-01	.2608E-07
365	*	0.04	0.000	0.000	0.0280	0.1439	.3706E-01	.2562E-07

MONTHLY TOTALS (IN INCHES) FOR YEAR 1993

	JAN	JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	3.30	1.14	0.72	2.40	3.12	1.65	
	1.31	3.00	2.31	1.96	2.34	1.98	
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	0.000	0.000
EVAPOTRANSPIRATION	0.332	0.503	0.562	0.419	1.525	1.277	
	1.220	1.413	1.476	0.832	0.726	0.291	
SUBSURFACE INFLOW INTO LAYER 2	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497	
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580	
LATERAL DRAINAGE COLLECTED FROM LAYER 3	1.0520	0.6637	0.5947	0.9121	3.5613	3.0178	
	2.4656	1.2688	0.9130	1.2721	1.1521	1.6232	
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0001	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	0.132	0.092	0.074	0.945	10.021	7.941
	4.676	0.887	0.199	0.351	0.633	1.067
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.020	0.007	0.004	1.636	2.229	0.991
	0.784	1.220	0.341	0.421	1.066	1.210

ANNUAL TOTALS FOR YEAR 1993

	INCHES	CU. FEET	PERCENT
PRECIPITATION	25.23	91582.904	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	10.575	38385.562	41.91
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	12.04
DRAINAGE COLLECTED FROM LAYER 3	18.4966	67141.165	73.31
PERC./LEAKAGE THROUGH LAYER 5	0.000157	0.569	0.00
AVG. HEAD ON TOP OF LAYER 4	2.2516		
CHANGE IN WATER STORAGE	-0.804	-2916.662	-3.18
SOIL WATER AT START OF YEAR	10.680	38767.481	
SOIL WATER AT END OF YEAR	10.410	37786.522	
SNOW WATER AT START OF YEAR	2.762	10024.303	10.95
SNOW WATER AT END OF YEAR	2.228	8088.601	8.83
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
 DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
 LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1994

S	DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK
I I				WATER	#1	#1	#1			
R L	IN.	IN.	IN./IN.	IN.	IN.	IN.	IN.			

1	*	*	0.08	0.000	0.000	0.0280	0.1414	.3643E-01	.2518E-07	
2	*	*	0.11	0.000	0.011	0.0280	0.1391	.3582E-01	.2476E-07	
3	*	*	0.00	0.000	0.017	0.0280	0.1368	.3523E-01	.2436E-07	
4	*	*	0.01	0.000	0.014	0.0280	0.1346	.3467E-01	.2396E-07	
5	*	*	0.28	0.000	0.000	0.0280	0.1325	.3413E-01	.2359E-07	
6	*	*	0.04	0.000	0.000	0.0280	0.1305	.3360E-01	.2323E-07	
7	*	*	0.53	0.000	0.000	0.0280	0.1285	.3310E-01	.2288E-07	
8	*	*	0.31	0.000	0.017	0.0280	0.1266	.3261E-01	.2254E-07	
9	*	*	0.05	0.000	0.000	0.0280	0.1248	.3214E-01	.2221E-07	
10	*	*	0.01	0.000	0.016	0.0280	0.1230	.3169E-01	.2190E-07	
11	*	*	0.11	0.000	0.012	0.0280	0.1213	.3125E-01	.2160E-07	
12	*	*	0.05	0.000	0.010	0.0280	0.1197	.3082E-01	.2130E-07	
13	*	*	0.21	0.000	0.014	0.0280	0.1181	.3041E-01	.2102E-07	
14	*	*	0.23	0.000	0.012	0.0280	0.1165	.3002E-01	.2074E-07	
15	*	*	0.14	0.000	0.009	0.0280	0.1150	.2963E-01	.2048E-07	
16	*	*	0.12	0.000	0.008	0.0280	0.1136	.2926E-01	.2022E-07	
17	*	*	0.12	0.000	0.007	0.0280	0.1122	.2890E-01	.1997E-07	
18	*	*	0.20	0.000	0.000	0.0280	0.1108	.2855E-01	.1973E-07	
19	*	*	0.22	0.000	0.000	0.0280	0.1095	.2821E-01	.1950E-07	
20	*	*	0.10	0.000	0.000	0.0280	0.1083	.2788E-01	.1927E-07	
21	*	*	0.11	0.000	0.009	0.0280	0.1070	.2757E-01	.1905E-07	
22	*	*	0.36	0.000	0.000	0.0280	0.1058	.2726E-01	.1883E-07	
23	*	*	0.00	0.000	0.013	0.0280	0.1047	.2696E-01	.1863E-07	
24	*	*	0.05	0.000	0.000	0.0280	0.1035	.2666E-01	.1842E-07	
25	*	*	0.01	0.000	0.000	0.0280	0.1024	.2638E-01	.1823E-07	
26	*	*	0.00	0.000	0.000	0.0280	0.1013	.2610E-01	.1804E-07	
27	*	*	0.01	0.000	0.000	0.0280	0.1003	.2584E-01	.1785E-07	
28	*	*	0.12	0.000	0.000	0.0280	0.0993	.2557E-01	.1767E-07	
29	*	*	0.12	0.000	0.000	0.0280	0.0983	.2532E-01	.1749E-07	
30	*	*	0.00	0.000	0.023	0.0280	0.0973	.2507E-01	.1732E-07	

31	*	*	0.00	0.000	0.023	0.0280	0.0964	.2483E-01	.1716E-07
32	*	*	0.02	0.000	0.020	0.0280	0.0955	.2460E-01	.1699E-07
33	*	*	0.00	0.000	0.023	0.0280	0.0946	.2437E-01	.1684E-07
34	*	*	0.03	0.000	0.019	0.0280	0.0937	.2415E-01	.1668E-07
35	*	*	0.16	0.000	0.020	0.0280	0.0929	.2393E-01	.1653E-07
36	*	*	0.09	0.000	0.014	0.0280	0.0921	.2372E-01	.1638E-07
37	*	*	0.12	0.000	0.017	0.0280	0.0913	.2351E-01	.1624E-07
38	*	*	0.02	0.000	0.009	0.0280	0.0905	.2331E-01	.1610E-07
39	*	*	0.08	0.000	0.012	0.0280	0.0897	.2311E-01	.1597E-07
40	*	*	0.02	0.000	0.011	0.0280	0.0890	.2292E-01	.1583E-07
41	*	*	0.00	0.000	0.000	0.0280	0.0882	.2273E-01	.1570E-07
42	*	*	0.03	0.000	0.000	0.0280	0.0875	.2255E-01	.1558E-07
43	*	*	0.01	0.000	0.000	0.0280	0.0868	.2237E-01	.1545E-07
44	*	*	0.14	0.000	0.000	0.0280	0.0862	.2219E-01	.1533E-07
45	*	*	0.04	0.000	0.021	0.0280	0.0855	.2202E-01	.1521E-07
46	*	*	0.00	0.000	0.024	0.0280	0.0848	.2185E-01	.1510E-07
47	*	*	0.03	0.000	0.000	0.0280	0.0842	.2169E-01	.1498E-07
48	*	*	0.00	0.000	0.024	0.0280	0.0836	.2153E-01	.1487E-07
49	*	*	0.00	0.000	0.029	0.0280	0.0830	.2137E-01	.1476E-07
50	*	*	0.00	0.000	0.026	0.0280	0.0824	.2122E-01	.1466E-07
51	*	*	0.01	0.000	0.000	0.0280	0.0818	.2107E-01	.1455E-07
52	*	*	0.00	0.000	0.000	0.0280	0.0812	.2092E-01	.1445E-07
53	*	*	0.00	0.000	0.030	0.0280	0.0807	.2078E-01	.1435E-07
54	*	*	0.00	0.000	0.023	0.0280	0.0801	.2064E-01	.1426E-07
55	*	*	0.00	0.000	0.027	0.0280	0.0796	.2050E-01	.1416E-07
56	*	*	0.00	0.000	0.025	0.0280	0.0791	.2037E-01	.1407E-07
57	*	*	0.00	0.000	0.025	0.0280	0.0786	.2023E-01	.1398E-07
58	*	*	0.00	0.000	0.024	0.0280	0.0780	.2010E-01	.1389E-07
59	*	*	0.00	0.000	0.020	0.0280	0.0776	.1998E-01	.1380E-07
60	*	*	0.03	0.000	0.018	0.0280	0.0771	.1985E-01	.1371E-07
61	*	*	0.00	0.000	0.014	0.0280	0.0766	.1973E-01	.1363E-07
62	*	*	0.00	0.000	0.011	0.0280	0.0761	.1961E-01	.1354E-07
63	*	*	0.00	0.000	0.010	0.0280	0.0757	.1949E-01	.1346E-07
64	*	*	0.00	0.000	0.016	0.0280	0.0752	.1938E-01	.1338E-07
65	*	*	0.00	0.000	0.000	0.0280	0.0748	.1926E-01	.1330E-07
66	*	*	0.00	0.000	0.019	0.0280	0.0743	.1915E-01	.1323E-07
67	*	*	0.00	0.000	0.019	0.0280	0.0739	.1904E-01	.1315E-07
68	*	*	0.03	0.000	0.000	0.0280	0.0735	.1893E-01	.1308E-07
69	*	*	0.00	0.000	0.019	0.0280	0.0731	.1883E-01	.1301E-07
70	*	*	0.00	0.000	0.019	0.0280	0.0727	.1873E-01	.1293E-07
71	*	*	0.00	0.000	0.025	0.0280	0.0723	.1862E-01	.1286E-07
72	*	*	0.00	0.000	0.018	0.0280	0.0719	.1852E-01	.1279E-07
73	*	*	0.00	0.000	0.022	0.0280	0.0715	.1843E-01	.1273E-07
74	*	*	0.03	0.000	0.012	0.0280	0.0712	.1833E-01	.1266E-07
75	*	*	0.05	0.000	0.019	0.0280	0.0708	.1824E-01	.1259E-07
76	*	*	0.00	0.000	0.013	0.0280	0.0704	.1814E-01	.1253E-07
77	*	*	0.03	0.000	0.000	0.0280	0.0701	.1805E-01	.1247E-07
78	*	*	0.03	0.000	0.000	0.0280	0.0697	.1796E-01	.1241E-07
79	*	*	0.00	0.000	0.000	0.0280	0.0694	.1787E-01	.1234E-07
80	*	*	0.00	0.000	0.042	0.0280	0.0691	.1779E-01	.1228E-07
81	*	*	0.05	0.000	0.021	0.0280	0.0687	.1770E-01	.1222E-07
82	*	*	0.00	0.000	0.040	0.0280	0.0684	.1762E-01	.1217E-07
83	*	*	0.03	0.000	0.024	0.0280	0.0681	.1753E-01	.1211E-07
84	*	*	0.41	0.000	0.018	0.0280	0.0678	.1745E-01	.1205E-07
85	*	*	0.00	0.000	0.015	0.0280	0.0674	.1737E-01	.1200E-07
86	*	*	0.04	0.000	0.000	0.0280	0.0671	.1729E-01	.1194E-07
87	*	*	0.18	0.000	0.000	0.0280	0.0668	.1722E-01	.1189E-07
88	*	*	0.01	0.000	0.000	0.0280	0.0665	.1714E-01	.1184E-07
89	*	*	0.01	0.000	0.000	0.0319	0.0663	.1706E-01	.1179E-07
90	*	*	0.00	0.000	0.028	0.0319	0.0660	.1699E-01	.1173E-07
91	*	*	0.00	0.000	0.023	0.0319	0.0657	.1692E-01	.1168E-07
92	*	*	0.00	0.000	0.032	0.0319	0.0654	.1685E-01	.1163E-07
93	*	*	0.08	0.000	0.000	0.0319	0.0651	.1678E-01	.1159E-07
94	*	*	0.00	0.000	0.033	0.0319	0.0649	.1671E-01	.1154E-07
95	*	*	0.00	0.000	0.000	0.1361	0.0646	.1664E-01	.1149E-07
96	*	*	0.00	0.000	0.000	0.2646	0.0643	.1657E-01	.1144E-07
97	*	*	0.00	0.000	0.000	0.3500	0.0641	.1651E-01	.1140E-07
98	*	*	0.00	0.000	0.000	0.3500	0.0617	.1588E-01	.1097E-07
99	*	*	0.00	0.000	0.000	0.3500	0.0592	.1525E-01	.1053E-07
100	*	*	0.07	0.000	0.000	0.3500	0.0605	.1559E-01	.1076E-07
101	*	*	0.00	0.000	0.049	0.3500	0.0630	.1623E-01	.1121E-07
102	*	*	0.00	0.000	0.054	0.3500	0.0667	.1718E-01	.1186E-07
103	*	*	0.00	0.000	0.053	0.3500	0.0726	.1870E-01	.1292E-07
104	*	*	0.00	0.000	0.041	0.3500	0.0704	.1812E-01	.1252E-07
105	*	*	0.00	0.000	0.030	0.3500	0.0523	.1347E-01	.9303E-08
106	*	*	0.21	0.000	0.032	0.3500	0.0385	.9916E-02	.7168E-08
107	*	*	0.09	0.000	0.000	0.3500	0.0595	.1534E-01	.1059E-07
108	*	*	0.00	0.000	0.051	0.3500	0.1300	.3350E-01	.2315E-07
109	*	*	0.06	0.000	0.055	0.3500	2.3031	.6313E-01	.4209E-06
110	*	*	0.00	0.000	0.000	0.3500	3.0766	.6924E-01	.5628E-06
111	*	*	0.00	0.000	0.000	0.3500	3.0030	.6876E-01	.5490E-06
112	*	*	0.00	0.000	0.000	0.3500	2.9279	.6828E-01	.5350E-06

113	*	0.00	0.000	0.000	0.3500	2.9699	.6855E-01	.5428E-06
114	*	0.00	0.000	0.000	0.3500	3.0441	.6903E-01	.5567E-06
115	*	0.00	0.000	0.000	0.3500	3.1171	.6950E-01	.5704E-06
116	*	0.03	0.000	0.013	0.3500	3.1816	.6991E-01	.5825E-06
117	*	1.19	0.000	0.015	0.3500	3.2592	.7041E-01	.5971E-06
118	*	0.04	0.000	0.014	0.3500	3.2861	.7059E-01	.6022E-06
119	*	0.00	0.000	0.000	0.3500	3.2102	.7010E-01	.5879E-06
120	*	0.19	0.000	0.015	0.3500	3.1013	.6940E-01	.5675E-06
121	*	0.00	0.000	0.000	0.3500	3.1571	.6976E-01	.5779E-06
122	*	0.00	0.000	0.000	0.3500	3.1798	.6990E-01	.5822E-06
123	*	0.00	0.000	0.000	0.3500	3.3597	.7106E-01	.6161E-06
124	*	0.00	0.000	0.000	0.3500	3.5584	.7234E-01	.6535E-06
125	*	0.09	0.000	0.015	0.3500	3.7389	.7350E-01	.6877E-06
126	*	0.00	0.000	0.000	0.3500	3.9089	.7460E-01	.7200E-06
127	*	0.00	0.000	0.000	0.3500	3.9950	.7515E-01	.7363E-06
128	*	0.00	0.000	0.000	0.3500	4.0736	.7566E-01	.7513E-06
129	*	0.07	0.000	0.015	0.3500	4.1517	.7616E-01	.7662E-06
130	*	0.00	0.000	0.000	0.3500	4.2405	.7673E-01	.7831E-06
131		0.00	0.000	0.052	0.0005	4.2797	.7699E-01	.7906E-06
132		0.23	0.000	0.089	0.0181	4.6704	.7950E-01	.8656E-06
133		0.00	0.000	0.103	0.0052	5.6566	.8585E-01	.1056E-05
134		0.02	0.000	0.039	0.0028	6.4124	.9072E-01	.1204E-05
135		0.25	0.000	0.099	0.0217	6.9641	.9427E-01	.1313E-05
136		0.11	0.000	0.111	0.0208	7.3762	.9692E-01	.1395E-05
137		0.00	0.000	0.109	0.0065	7.6864	.9892E-01	.1457E-05
138		0.00	0.000	0.025	0.0033	8.0780	.1014	.1536E-05
139		0.00	0.000	0.017	0.0005	8.6729	.1053	.1656E-05
140		0.00	0.000	0.000	0.0005	8.8534	.1065	.1693E-05
141		0.00	0.000	0.000	0.0005	8.9416	.1071	.1711E-05
142		0.00	0.000	0.000	0.0005	8.9992	.1074	.1723E-05
143		0.00	0.000	0.000	0.0005	9.0314	.1076	.1729E-05
144		0.00	0.000	0.000	0.0005	9.0422	.1077	.1732E-05
145		0.75	0.000	0.031	0.0904	9.0350	.1077	.1730E-05
146		0.78	0.000	0.150	0.1248	9.0124	.1075	.1726E-05
147		0.00	0.000	0.063	0.0365	8.9808	.1073	.1719E-05
148		0.00	0.000	0.037	0.0005	8.9342	.1070	.1710E-05
149		0.00	0.000	0.000	0.0005	8.7953	.1061	.1681E-05
150		0.00	0.000	0.000	0.0005	8.5934	.1048	.1640E-05
151		0.11	0.000	0.043	0.0089	8.4039	.1035	.1602E-05
152		0.15	0.000	0.042	0.0224	8.3673	.1033	.1595E-05
153		0.00	0.000	0.123	0.0066	8.3833	.1034	.1598E-05
154		0.00	0.000	0.028	0.0025	8.3993	.1035	.1601E-05
155		0.00	0.000	0.011	0.0005	8.4064	.1036	.1602E-05
156		0.00	0.000	0.000	0.0005	8.4001	.1035	.1601E-05
157		0.33	0.000	0.027	0.0384	8.3751	.1034	.1596E-05
158		0.00	0.000	0.100	0.0258	8.3405	.1031	.1589E-05
159		0.00	0.000	0.027	0.0197	8.2976	.1029	.1580E-05
160		0.00	0.000	0.016	0.0143	8.2541	.1026	.1572E-05
161		0.00	0.000	0.025	0.0074	8.2094	.1023	.1563E-05
162		0.00	0.000	0.025	0.0010	8.1581	.1020	.1552E-05
163		0.51	0.000	0.033	0.0603	8.0953	.1016	.1540E-05
164		0.01	0.000	0.080	0.0223	7.9871	.1009	.1518E-05
165		0.00	0.000	0.125	0.0035	7.8872	.1002	.1498E-05
166		0.48	0.000	0.084	0.0515	7.7802	.9953E-01	.1476E-05
167		0.00	0.000	0.109	0.0131	7.5999	.9836E-01	.1440E-05
168		0.00	0.000	0.062	0.0053	7.4399	.9733E-01	.1408E-05
169		0.02	0.000	0.046	0.0012	7.3045	.9646E-01	.1381E-05
170		0.21	0.000	0.045	0.0214	7.1186	.9527E-01	.1344E-05
171		0.00	0.000	0.041	0.0161	6.9890	.9443E-01	.1318E-05
172		0.00	0.000	0.041	0.0111	6.9040	.9388E-01	.1302E-05
173		0.00	0.000	0.034	0.0059	6.8387	.9346E-01	.1289E-05
174		0.00	0.000	0.022	0.0031	6.7878	.9314E-01	.1279E-05
175		0.00	0.000	0.011	0.0017	6.7372	.9281E-01	.1268E-05
176		0.00	0.000	0.006	0.0005	6.6763	.9242E-01	.1256E-05
177		0.00	0.000	0.000	0.0005	6.6208	.9206E-01	.1245E-05
178		0.00	0.000	0.000	0.0005	6.5562	.9164E-01	.1233E-05
179		0.10	0.000	0.026	0.0098	6.4876	.9120E-01	.1219E-05
180		0.81	0.000	0.049	0.1048	6.4169	.9075E-01	.1205E-05
181		0.04	0.000	0.137	0.0402	6.3429	.9027E-01	.1191E-05
182		0.00	0.000	0.134	0.0006	6.2946	.8996E-01	.1181E-05
183		0.00	0.000	0.001	0.0005	6.1945	.8931E-01	.1162E-05
184		0.00	0.000	0.000	0.0005	6.0370	.8830E-01	.1131E-05
185		0.00	0.000	0.000	0.0005	5.8574	.8714E-01	.1096E-05
186		0.00	0.000	0.000	0.0005	5.7323	.8634E-01	.1071E-05
187		0.00	0.000	0.000	0.0005	5.6642	.8590E-01	.1058E-05
188		0.00	0.000	0.000	0.0005	5.6174	.8560E-01	.1049E-05
189		0.01	0.000	0.010	0.0005	5.5755	.8533E-01	.1041E-05
190		1.16	0.000	0.064	0.1375	5.5333	.8506E-01	.1032E-05
191		0.00	0.000	0.175	0.0500	5.4936	.8480E-01	.1025E-05
192		0.00	0.000	0.073	0.0019	5.4644	.8461E-01	.1019E-05
193		0.02	0.000	0.025	0.0005	5.3673	.8399E-01	.1000E-05
194		0.00	0.000	0.000	0.0005	5.2197	.8304E-01	.9714E-06

195	0.00	0.000	0.000	0.0005	5.0554	.8198E-01	.9397E-06
196	0.00	0.000	0.000	0.0005	4.9892	.8155E-01	.9269E-06
197	0.00	0.000	0.000	0.0005	4.9996	.8162E-01	.9289E-06
198	0.00	0.000	0.000	0.0005	5.0207	.8176E-01	.9329E-06
199	0.00	0.000	0.000	0.0005	5.0380	.8187E-01	.9363E-06
200	0.00	0.000	0.000	0.0005	5.0488	.8194E-01	.9384E-06
201	0.00	0.000	0.000	0.0005	5.0522	.8196E-01	.9390E-06
202	0.13	0.000	0.051	0.0104	5.0483	.8193E-01	.9383E-06
203	1.09	0.000	0.087	0.1358	5.0373	.8186E-01	.9362E-06
204	0.03	0.000	0.137	0.0556	5.0233	.8177E-01	.9335E-06
205	0.02	0.000	0.083	0.0026	5.0116	.8170E-01	.9312E-06
206	0.01	0.000	0.018	0.0010	4.9256	.8114E-01	.9146E-06
207	0.02	0.000	0.021	0.0005	4.7800	.8021E-01	.8866E-06
208	0.03	0.000	0.030	0.0005	4.6291	.7923E-01	.8575E-06
209	0.00	0.000	0.000	0.0005	4.5995	.7904E-01	.8518E-06
210	0.00	0.000	0.000	0.0005	4.6390	.7930E-01	.8594E-06
211	0.00	0.000	0.000	0.0005	4.6839	.7959E-01	.8681E-06
212	0.00	0.000	0.000	0.0005	4.7226	.7984E-01	.8755E-06
213	0.43	0.000	0.069	0.0456	4.7527	.8003E-01	.8813E-06
214	0.00	0.000	0.057	0.0174	4.7731	.8016E-01	.8852E-06
215	0.00	0.000	0.096	0.0052	4.7978	.8032E-01	.8900E-06
216	0.00	0.000	0.019	0.0005	4.7349	.7992E-01	.8779E-06
217	0.00	0.000	0.000	0.0005	4.6750	.7953E-01	.8664E-06
218	0.00	0.000	0.000	0.0005	4.6146	.7914E-01	.8548E-06
219	0.00	0.000	0.000	0.0005	4.5756	.7889E-01	.8473E-06
220	0.01	0.000	0.010	0.0005	4.5499	.7872E-01	.8423E-06
221	0.01	0.000	0.010	0.0005	4.5283	.7859E-01	.8382E-06
222	0.00	0.000	0.000	0.0005	4.5064	.7844E-01	.8340E-06
223	0.00	0.000	0.000	0.0005	4.4820	.7829E-01	.8293E-06
224	0.00	0.000	0.000	0.0005	4.4543	.7811E-01	.8240E-06
225	0.00	0.000	0.000	0.0005	4.4231	.7791E-01	.8180E-06
226	0.00	0.000	0.000	0.0005	4.3882	.7768E-01	.8114E-06
227	0.06	0.000	0.028	0.0045	4.3498	.7744E-01	.8040E-06
228	0.00	0.000	0.022	0.0017	4.3079	.7717E-01	.7960E-06
229	0.00	0.000	0.005	0.0005	4.2621	.7687E-01	.7872E-06
230	0.00	0.000	0.000	0.0005	4.2171	.7658E-01	.7787E-06
231	0.00	0.000	0.000	0.0005	4.1664	.7626E-01	.7690E-06
232	0.08	0.000	0.027	0.0071	4.1117	.7590E-01	.7586E-06
233	0.03	0.000	0.053	0.0042	4.0545	.7553E-01	.7477E-06
234	0.00	0.000	0.015	0.0023	3.9951	.7515E-01	.7364E-06
235	0.00	0.000	0.010	0.0005	3.9329	.7475E-01	.7245E-06
236	0.00	0.000	0.000	0.0005	3.8728	.7436E-01	.7131E-06
237	0.33	0.000	0.058	0.0345	3.8096	.7396E-01	.7011E-06
238	0.19	0.000	0.173	0.0366	3.7430	.7353E-01	.6885E-06
239	0.01	0.000	0.137	0.0208	3.6746	.7309E-01	.6755E-06
240	0.71	0.000	0.120	0.0934	3.6047	.7264E-01	.6623E-06
241	0.00	0.000	0.075	0.0322	3.5331	.7218E-01	.6488E-06
242	0.00	0.000	0.035	0.0015	3.4801	.7184E-01	.6387E-06
243	0.19	0.000	0.068	0.0163	3.4172	.7143E-01	.6269E-06
244	0.00	0.000	0.086	0.0056	3.3185	.7080E-01	.6083E-06
245	0.00	0.000	0.031	0.0012	3.1826	.6992E-01	.5827E-06
246	0.00	0.000	0.003	0.0005	3.0495	.6906E-01	.5577E-06
247	0.00	0.000	0.000	0.0005	2.9465	.6840E-01	.5384E-06
248	0.00	0.000	0.000	0.0005	2.8678	.6789E-01	.5237E-06
249	0.24	0.000	0.051	0.0241	2.8056	.6749E-01	.5121E-06
250	0.00	0.000	0.088	0.0131	2.7530	.6715E-01	.5023E-06
251	0.00	0.000	0.048	0.0071	2.7052	.6685E-01	.4933E-06
252	0.00	0.000	0.028	0.0034	1.4315	.5853E-01	.2606E-06
253	0.00	0.000	0.012	0.0019	0.8077	.5423E-01	.1466E-06
254	0.00	0.000	0.006	0.0005	0.8027	.5396E-01	.1457E-06
255	0.00	0.000	0.000	0.0005	0.1931	.4974E-01	.3441E-07
256	0.16	0.000	0.036	0.0160	0.1945	.5011E-01	.3466E-07
257	0.01	0.000	0.031	0.0133	0.1941	.5001E-01	.3459E-07
258	0.06	0.000	0.048	0.0146	0.1920	.4946E-01	.3421E-07
259	1.77	0.000	0.048	0.1705	0.1890	.4867E-01	.3367E-07
260	0.07	0.000	0.107	0.0098	0.1798	.4632E-01	.3204E-07
261	0.00	0.000	0.051	0.0027	0.1826	.4704E-01	.3253E-07
262	0.00	0.000	0.010	0.0012	0.7640	.5341E-01	.1385E-06
263	0.00	0.000	0.003	0.0005	0.1958	.5044E-01	.3489E-07
264	0.00	0.000	0.000	0.0005	0.1657	.4267E-01	.2951E-07
265	0.14	0.000	0.045	0.0124	0.1222	.3147E-01	.2175E-07
266	0.35	0.000	0.053	0.0492	0.1229	.3165E-01	.2187E-07
267	0.00	0.000	0.077	0.0368	0.1686	.4342E-01	.3003E-07
268	0.00	0.000	0.060	0.0260	2.9945	.6871E-01	.5474E-06
269	0.44	0.000	0.096	0.0655	3.0758	.6923E-01	.5627E-06
270	0.04	0.000	0.060	0.0228	3.1348	.6961E-01	.5738E-06
271	0.31	0.000	0.080	0.0412	3.1886	.6996E-01	.5839E-06
272	0.02	0.000	0.061	0.0336	3.1500	.6971E-01	.5766E-06
273	0.00	0.000	0.087	0.0197	3.0266	.6892E-01	.5534E-06
274	0.00	0.000	0.041	0.0088	2.9544	.6845E-01	.5399E-06
275	0.00	0.000	0.034	0.0005	2.9838	.6864E-01	.5454E-06
276	0.00	0.000	0.000	0.0005	2.9853	.6865E-01	.5457E-06

277	0.00	0.000	0.000	0.0005	2.9598	.6849E-01	.5409E-06
278	0.00	0.000	0.000	0.0005	2.9788	.6861E-01	.5445E-06
279 *	0.00	0.000	0.000	0.0005	3.0156	.6885E-01	.5514E-06
280	0.00	0.000	0.000	0.0005	3.0539	.6909E-01	.5586E-06
281	0.59	0.000	0.041	0.0691	3.0881	.6931E-01	.5650E-06
282	0.04	0.000	0.054	0.0335	3.1156	.6949E-01	.5701E-06
283	0.13	0.000	0.052	0.0126	3.1542	.6974E-01	.5774E-06
284	0.00	0.000	0.045	0.0063	3.1374	.6963E-01	.5742E-06
285	0.00	0.000	0.029	0.0027	3.0186	.6886E-01	.5519E-06
286	0.00	0.000	0.009	0.0015	2.9276	.6828E-01	.5349E-06
287	0.00	0.000	0.004	0.0005	2.9245	.6826E-01	.5343E-06
288	0.00	0.000	0.000	0.0005	2.9622	.6850E-01	.5414E-06
289	0.00	0.000	0.000	0.0005	2.9969	.6872E-01	.5479E-06
290	0.00	0.000	0.000	0.0005	3.0285	.6893E-01	.5538E-06
291	0.15	0.000	0.038	0.0142	3.0548	.6910E-01	.5587E-06
292	0.12	0.000	0.037	0.0245	3.0789	.6925E-01	.5632E-06
293 *	0.01	0.000	0.010	0.0245	3.0945	.6935E-01	.5662E-06
294	0.00	0.000	0.034	0.0201	3.1028	.6941E-01	.5677E-06
295	0.13	0.000	0.056	0.0294	3.1045	.6942E-01	.5680E-06
296	0.31	0.000	0.056	0.0607	3.1016	.6940E-01	.5675E-06
297	0.16	0.000	0.052	0.0574	3.0913	.6933E-01	.5656E-06
298 *	0.10	0.000	0.027	0.0477	3.0956	.6936E-01	.5664E-06
299 *	0.06	0.000	0.029	0.0468	3.0836	.6928E-01	.5641E-06
300	0.00	0.000	0.042	0.0465	2.9912	.6869E-01	.5468E-06
301 *	0.00	0.000	0.025	0.0398	2.8744	.6794E-01	.5249E-06
302	0.03	0.000	0.045	0.0344	2.7908	.6740E-01	.5093E-06
303 *	0.00	0.000	0.023	0.0286	2.7176	.6693E-01	.4957E-06
304 *	0.00	0.000	0.000	0.0265	2.0422	.6257E-01	.3721E-06
305 *	0.00	0.000	0.000	0.0252	0.7994	.5418E-01	.1451E-06
306 *	0.00	0.000	0.025	0.0213	0.1954	.5032E-01	.3481E-07
307	0.00	0.000	0.036	0.0165	0.1894	.4879E-01	.3375E-07
308	0.00	0.000	0.030	0.0122	0.1826	.4704E-01	.3254E-07
309	0.07	0.000	0.048	0.0130	0.1764	.4545E-01	.3143E-07
310	0.00	0.000	0.035	0.0058	0.1714	.4414E-01	.3052E-07
311	0.13	0.000	0.045	0.0158	0.1680	.4328E-01	.2993E-07
312	0.00	0.000	0.030	0.0121	0.1816	.4677E-01	.3235E-07
313	0.00	0.000	0.037	0.0074	0.7989	.5414E-01	.1450E-06
314	0.00	0.000	0.026	0.0040	0.1931	.4973E-01	.3440E-07
315	0.00	0.000	0.019	0.0012	0.1900	.4895E-01	.3386E-07
316	0.00	0.000	0.003	0.0005	0.1859	.4788E-01	.3311E-07
317	0.00	0.000	0.000	0.0005	0.1819	.4684E-01	.3240E-07
318 *	0.03	0.000	0.030	0.0005	0.1839	.4736E-01	.3276E-07
319 *	0.02	0.000	0.020	0.0005	0.1852	.4771E-01	.3300E-07
320 *	0.00	0.000	0.000	0.0005	0.1851	.4768E-01	.3298E-07
321 *	0.00	0.000	0.000	0.0005	0.1842	.4745E-01	.3282E-07
322 *	0.00	0.000	0.000	0.0005	0.1830	.4714E-01	.3260E-07
323 *	0.02	0.000	0.020	0.0005	0.1816	.4679E-01	.3236E-07
324 *	0.00	0.000	0.000	0.0005	0.1802	.4642E-01	.3210E-07
325	0.29	0.000	0.027	0.0334	0.1787	.4603E-01	.3183E-07
326 *	0.63	0.000	0.030	0.0350	0.1771	.4561E-01	.3155E-07
327 *	0.00	0.000	0.030	0.0344	0.1758	.4529E-01	.3132E-07
328 *	0.00	0.000	0.019	0.0338	0.1725	.4443E-01	.3073E-07
329 *	0.00	0.000	0.030	0.0334	0.1698	.4372E-01	.3024E-07
330	0.07	0.000	0.000	0.0525	0.1681	.4329E-01	.2993E-07
331 *	0.01	0.000	0.028	0.0490	0.1669	.4298E-01	.2972E-07
332 *	0.24	0.000	0.016	0.0487	0.1643	.4233E-01	.2927E-07
333 *	0.22	0.000	0.015	0.0487	0.1700	.4378E-01	.3027E-07
334 *	0.00	0.000	0.026	0.0487	0.1755	.4521E-01	.3127E-07
335 *	0.00	0.000	0.017	0.0487	0.1744	.4491E-01	.3106E-07
336 *	0.00	0.000	0.017	0.0487	0.1675	.4315E-01	.2984E-07
337 *	0.00	0.000	0.022	0.0487	0.1575	.4057E-01	.2805E-07
338 **	0.00	0.000	0.013	0.0487	0.1432	.3689E-01	.2550E-07
339 **	0.00	0.000	0.019	0.0487	0.1351	.3480E-01	.2405E-07
340 **	0.05	0.000	0.015	0.0487	0.1314	.3383E-01	.2339E-07
341 **	0.04	0.000	0.017	0.0487	0.1232	.3173E-01	.2193E-07
342 **	0.02	0.000	0.012	0.0487	0.1111	.2862E-01	.1978E-07
343 **	0.18	0.000	0.010	0.0487	0.0982	.2528E-01	.1747E-07
344 **	0.03	0.000	0.009	0.0487	0.0874	.2251E-01	.1555E-07
345 **	0.02	0.000	0.012	0.0487	0.0806	.2075E-01	.1434E-07
346 **	0.04	0.000	0.000	0.0487	0.0781	.2013E-01	.1390E-07
347 **	0.00	0.000	0.015	0.0487	0.0795	.2047E-01	.1414E-07
348 **	0.04	0.000	0.000	0.0487	0.0835	.2150E-01	.1485E-07
349 **	0.00	0.000	0.014	0.0487	0.0890	.2293E-01	.1584E-07
350 **	0.03	0.000	0.010	0.0487	0.0952	.2452E-01	.1694E-07
351 **	0.03	0.000	0.011	0.0487	0.1013	.2610E-01	.1803E-07
352 **	0.00	0.000	0.011	0.0487	0.1069	.2755E-01	.1903E-07
353 **	0.01	0.000	0.009	0.0487	0.1118	.2880E-01	.1990E-07
354 **	0.00	0.000	0.010	0.0487	0.1159	.2984E-01	.2062E-07
355 **	0.00	0.000	0.000	0.0487	0.1191	.3067E-01	.2119E-07
356 **	0.00	0.000	0.000	0.0487	0.1215	.3129E-01	.2163E-07
357 **	0.00	0.000	0.030	0.0487	0.1232	.3174E-01	.2194E-07
358 **	0.00	0.000	0.029	0.0487	0.1244	.3203E-01	.2214E-07

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359 * * 0.00 0.000 0.027 0.0487 0.1250 .3220E-01 .2225E-07
360 * * 0.00 0.000 0.021 0.0487 0.1252 .3226E-01 .2230E-07
361 * * 0.00 0.000 0.025 0.0487 0.1251 .3223E-01 .2228E-07
362 * * 0.03 0.000 0.018 0.0487 0.1248 .3214E-01 .2221E-07
363 * * 0.03 0.000 0.018 0.0487 0.1242 .3198E-01 .2211E-07
364 * * 0.00 0.000 0.014 0.0487 0.1234 .3179E-01 .2197E-07
365 * * 0.00 0.000 0.016 0.0487 0.1225 .3157E-01 .2182E-07

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MONTHLY TOTALS (IN INCHES) FOR YEAR 1994

	JAN	JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	3.70	0.80	0.93	1.96	2.41	2.66	
	2.52	2.05	3.61	1.83	1.73	0.55	
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	0.215	0.442	0.442	0.510	1.000	1.376	
	0.908	1.087	1.307	0.783	0.624	0.440	
SUBSURFACE INFLOW INTO LAYER 2	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497	
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580	
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.9219	0.6177	0.5673	1.1330	2.8450	2.9391	
	2.5777	2.3744	1.7248	2.1279	1.4007	0.9348	
PERCOLATION/LEAKAGE THROUGH LAYER 5	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	0.115	0.086	0.071	1.256	6.574	7.539
	5.237	4.219	1.604	2.984	0.221	0.117
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.013	0.005	0.003	1.490	2.345	0.756
	0.464	0.417	1.374	0.201	0.157	0.024

ANNUAL TOTALS FOR YEAR 1994

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.75	89840.542	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.135	33157.888	36.91
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	12.27
DRAINAGE COLLECTED FROM LAYER 3	20.1645	73195.604	81.47
PERC./LEAKAGE THROUGH LAYER 5	0.000172	0.623	0.00
AVG. HEAD ON TOP OF LAYER 4	2.5018		
CHANGE IN WATER STORAGE	-1.511	-5485.843	-6.11
SOIL WATER AT START OF YEAR	10.410	37786.522	
SOIL WATER AT END OF YEAR	10.439	37891.176	
SNOW WATER AT START OF YEAR	2.228	8088.601	9.00

SNOW WATER AT END OF YEAR	0.688	2498.103	2.78
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
 DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
 LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1995

S	DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK
I	I			WATER	#1	#1	#1			
R	L	IN.	IN.	IN.	IN./IN.	IN.	IN.	IN.		
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1	*	*	0.13	0.000	0.018	0.0487	0.1216	.3131E-01	.2164E-07	
2	*	*	0.07	0.000	0.000	0.0487	0.1205	.3105E-01	.2146E-07	
3	*	*	0.05	0.000	0.018	0.0487	0.1194	.3076E-01	.2126E-07	
4	*	*	0.04	0.000	0.012	0.0487	0.1183	.3047E-01	.2106E-07	
5	*	*	0.00	0.000	0.010	0.0487	0.1172	.3018E-01	.2086E-07	
6	*	*	0.10	0.000	0.000	0.0487	0.1160	.2988E-01	.2065E-07	
7	*	*	0.01	0.000	0.000	0.0487	0.1148	.2958E-01	.2044E-07	
8	*	*	0.10	0.000	0.000	0.0487	0.1137	.2928E-01	.2023E-07	
9	*	*	0.02	0.000	0.000	0.0487	0.1125	.2898E-01	.2003E-07	
10	*	*	0.07	0.000	0.014	0.0487	0.1114	.2868E-01	.1982E-07	
11	*	*	0.01	0.000	0.018	0.0487	0.1102	.2839E-01	.1962E-07	
12	*	*	0.49	0.000	0.011	0.0487	0.1091	.2810E-01	.1942E-07	
13	*	*	0.05	0.000	0.010	0.0487	0.1080	.2782E-01	.1922E-07	
14	*	*	0.00	0.000	0.014	0.0487	0.1069	.2754E-01	.1903E-07	
15	*	*	0.00	0.000	0.012	0.0487	0.1059	.2727E-01	.1884E-07	
16	*	*	0.00	0.000	0.007	0.0487	0.1048	.2700E-01	.1865E-07	
17	*	*	0.01	0.000	0.010	0.0487	0.1038	.2673E-01	.1847E-07	
18	*	*	0.00	0.000	0.010	0.0487	0.1028	.2647E-01	.1829E-07	
19	*	*	0.00	0.000	0.009	0.0487	0.1018	.2622E-01	.1812E-07	
20	*	*	0.40	0.000	0.007	0.0487	0.1008	.2597E-01	.1795E-07	
21	*	*	0.09	0.000	0.008	0.0487	0.0999	.2573E-01	.1778E-07	
22	*	*	0.10	0.000	0.000	0.0487	0.0990	.2549E-01	.1761E-07	
23	*	*	0.00	0.000	0.000	0.0487	0.0981	.2526E-01	.1745E-07	
24	*	*	0.01	0.000	0.000	0.0487	0.0972	.2503E-01	.1729E-07	
25	*	*	0.00	0.000	0.018	0.0487	0.0963	.2481E-01	.1714E-07	
26	*	*	0.00	0.000	0.000	0.0487	0.0955	.2459E-01	.1699E-07	
27	*	*	0.00	0.000	0.000	0.0487	0.0946	.2437E-01	.1684E-07	
28	*	*	0.00	0.000	0.028	0.0487	0.0938	.2417E-01	.1670E-07	
29	*	*	0.03	0.000	0.021	0.0487	0.0930	.2396E-01	.1655E-07	
30	*	*	0.00	0.000	0.026	0.0487	0.0922	.2376E-01	.1642E-07	
31	*	*	0.00	0.000	0.026	0.0487	0.0915	.2356E-01	.1628E-07	
32	*	*	0.03	0.000	0.000	0.0487	0.0907	.2337E-01	.1615E-07	
33	*	*	0.00	0.000	0.030	0.0487	0.0900	.2318E-01	.1602E-07	
34	*	*	0.13	0.000	0.025	0.0487	0.0893	.2300E-01	.1589E-07	
35	*	*	0.19	0.000	0.018	0.0487	0.0886	.2282E-01	.1576E-07	
36	*	*	0.08	0.000	0.016	0.0487	0.0879	.2264E-01	.1564E-07	
37	*	*	0.02	0.000	0.014	0.0487	0.0872	.2247E-01	.1552E-07	
38	*	*	0.03	0.000	0.015	0.0487	0.0866	.2230E-01	.1540E-07	
39	*	*	0.03	0.000	0.015	0.0487	0.0859	.2213E-01	.1529E-07	
40	*	*	0.14	0.000	0.009	0.0487	0.0853	.2197E-01	.1518E-07	
41	*	*	0.45	0.000	0.010	0.0487	0.0847	.2181E-01	.1507E-07	
42	*	*	0.12	0.000	0.010	0.0487	0.0841	.2166E-01	.1496E-07	
43	*	*	0.15	0.000	0.011	0.0487	0.0835	.2150E-01	.1485E-07	
44	*	*	0.31	0.000	0.011	0.0487	0.0829	.2135E-01	.1475E-07	
45	*	*	0.05	0.000	0.011	0.0487	0.0823	.2120E-01	.1465E-07	
46	*	*	0.77	0.000	0.011	0.0487	0.0818	.2106E-01	.1455E-07	
47	*	*	0.12	0.000	0.010	0.0487	0.0812	.2092E-01	.1445E-07	
48	*	*	0.03	0.000	0.000	0.0487	0.0807	.2078E-01	.1435E-07	
49	*	*	0.00	0.000	0.000	0.0487	0.0801	.2064E-01	.1426E-07	
50	*	*	0.00	0.000	0.023	0.0487	0.0796	.2051E-01	.1417E-07	
51	*	*	0.07	0.000	0.000	0.0487	0.0791	.2038E-01	.1408E-07	
52	*	*	0.04	0.000	0.000	0.0487	0.0786	.2025E-01	.1399E-07	
53	*	*	0.00	0.000	0.029	0.0487	0.0781	.2013E-01	.1390E-07	
54	*	*	0.07	0.000	0.000	0.0487	0.0777	.2000E-01	.1382E-07	
55	*	*	0.03	0.000	0.000	0.0487	0.0772	.1988E-01	.1373E-07	
56	*	*	0.01	0.000	0.021	0.0487	0.0767	.1976E-01	.1365E-07	

57	*	*	0.00	0.000	0.023	0.0487	0.0763	.1964E-01	.1357E-07
58	*	*	0.00	0.000	0.026	0.0487	0.0758	.1953E-01	.1349E-07
59	*	*	0.10	0.000	0.019	0.0487	0.0754	.1942E-01	.1341E-07
60	*	*	0.08	0.000	0.018	0.0487	0.0749	.1930E-01	.1333E-07
61	*	*	0.03	0.000	0.018	0.0487	0.0745	.1920E-01	.1326E-07
62	*	*	0.12	0.000	0.000	0.0487	0.0741	.1909E-01	.1318E-07
63	*	*	0.01	0.000	0.000	0.0487	0.0737	.1898E-01	.1311E-07
64	*	*	0.15	0.000	0.000	0.0487	0.0733	.1888E-01	.1304E-07
65	*	*	0.05	0.000	0.013	0.0487	0.0729	.1878E-01	.1297E-07
66	*	*	0.12	0.000	0.021	0.0487	0.0725	.1868E-01	.1290E-07
67	*	*	0.04	0.000	0.000	0.0487	0.0721	.1858E-01	.1283E-07
68	*	*	0.00	0.000	0.000	0.1545	0.0718	.1848E-01	.1277E-07
69	*	*	0.00	0.000	0.000	0.3488	0.0714	.1839E-01	.1270E-07
70	*	*	0.00	0.000	0.000	0.3500	0.0696	.1793E-01	.1238E-07
71	*	*	0.00	0.000	0.000	0.3500	0.0659	.1698E-01	.1173E-07
72	*	*	0.00	0.000	0.000	0.3500	0.0672	.1731E-01	.1195E-07
73	*	*	0.00	0.000	0.000	0.3500	0.0707	.1821E-01	.1258E-07
74	*	*	0.00	0.000	0.000	0.3500	0.0787	.2026E-01	.1399E-07
75	*	*	0.00	0.000	0.000	0.3500	0.0824	.2123E-01	.1466E-07
76	*	*	0.00	0.000	0.000	0.3500	0.0716	.1844E-01	.1274E-07
77	*	*	0.02	0.000	0.011	0.3500	0.0520	.1341E-01	.9257E-08
78	*	*	0.00	0.000	0.000	0.3500	0.0388	.9982E-02	.7161E-08
79	*	*	0.64	0.000	0.014	0.3500	0.0515	.1326E-01	.9159E-08
80	*	*	0.19	0.000	0.056	0.3500	0.0968	.2494E-01	.1723E-07
81	*	*	0.00	0.000	0.049	0.3500	0.1715	.4416E-01	.3054E-07
82	*	*	0.00	0.000	0.043	0.3500	1.3728	.5695E-01	.2497E-06
83	*	*	0.00	0.000	0.035	0.3500	0.1591	.4099E-01	.2834E-07
84	*	*	0.00	0.000	0.007	0.3500	0.1505	.3875E-01	.2679E-07
85	*	*	0.00	0.000	0.000	0.3500	0.8628	.5104E-01	.1570E-06
86	*	*	0.00	0.000	0.000	0.3500	2.9674	.6853E-01	.5424E-06
87	*	*	0.00	0.000	0.000	0.3500	3.0304	.6894E-01	.5542E-06
88	*	*	0.00	0.000	0.000	0.3500	3.0832	.6928E-01	.5641E-06
89	*	*	0.00	0.000	0.000	0.3500	3.1260	.6956E-01	.5721E-06
90	*	*	0.00	0.000	0.000	0.3500	3.1592	.6977E-01	.5783E-06
91	*	*	0.00	0.000	0.000	0.3500	3.1836	.6993E-01	.5829E-06
92	*	*	0.00	0.000	0.000	0.3500	3.1999	.7003E-01	.5860E-06
93	*	*	0.15	0.000	0.030	0.3500	3.2087	.7009E-01	.5876E-06
94	*	*	0.04	0.000	0.000	0.3500	3.2105	.7010E-01	.5880E-06
95	*	*	0.14	0.000	0.029	0.3500	3.2061	.7007E-01	.5871E-06
96	*	*	0.02	0.000	0.024	0.3500	3.1959	.7001E-01	.5852E-06
97	*	*	0.00	0.000	0.032	0.3500	3.1805	.6991E-01	.5823E-06
98	*	*	0.00	0.000	0.039	0.3500	3.1602	.6978E-01	.5785E-06
99	*	*	0.00	0.000	0.030	0.3500	3.1355	.6962E-01	.5739E-06
100	*	*	0.00	0.000	0.083	0.3500	3.1068	.6943E-01	.5685E-06
101	*	*	0.18	0.000	0.025	0.3500	3.0744	.6922E-01	.5624E-06
102	*	*	0.22	0.000	0.021	0.3500	3.0386	.6899E-01	.5557E-06
103	*	*	0.06	0.000	0.000	0.3500	2.9998	.6874E-01	.5484E-06
104	*	*	0.00	0.000	0.036	0.3500	2.9581	.6847E-01	.5406E-06
105	*	*	0.00	0.000	0.037	0.3500	2.9139	.6819E-01	.5323E-06
106	*	*	0.00	0.000	0.042	0.3500	2.8673	.6789E-01	.5236E-06
107	*	*	0.00	0.000	0.042	0.3500	2.8186	.6758E-01	.5145E-06
108	*	*	0.69	0.000	0.000	0.3500	2.7679	.6725E-01	.5050E-06
109	*	*	0.03	0.000	0.000	0.3500	2.7154	.6691E-01	.4952E-06
110	*	*	0.00	0.000	0.000	0.3500	1.4345	.5836E-01	.2611E-06
111	*	*	0.00	0.000	0.082	0.3500	1.4252	.5839E-01	.2594E-06
112	*	*	0.00	0.000	0.000	0.3500	1.3990	.5840E-01	.2545E-06
113	*	*	0.08	0.000	0.014	0.3500	0.7829	.5410E-01	.1420E-06
114	*	*	0.08	0.000	0.014	0.3500	0.1954	.5032E-01	.3481E-07
115	*	*	0.00	0.000	0.000	0.3500	0.1903	.4900E-01	.3390E-07
116	*	*	0.00	0.000	0.000	0.3500	0.1829	.4712E-01	.3259E-07
117	*	*	0.00	0.000	0.000	0.3500	0.1705	.4390E-01	.3036E-07
118	*	*	0.00	0.000	0.000	0.3500	0.1443	.3716E-01	.2569E-07
119	*	*	0.00	0.000	0.000	0.3500	0.1058	.2726E-01	.1884E-07
120	*	*	0.00	0.000	0.000	0.3500	0.0807	.2078E-01	.1436E-07
121	*	*	0.00	0.000	0.000	0.3500	0.0816	.2101E-01	.1451E-07
122	*	*	0.00	0.000	0.000	0.3500	0.1016	.2618E-01	.1809E-07
123	*	*	0.00	0.000	0.000	0.3500	0.1291	.3326E-01	.2299E-07
124	*	*	0.00	0.000	0.000	0.3500	0.1562	.4023E-01	.2781E-07
125	*	*	0.15	0.000	0.014	0.3500	0.1793	.4618E-01	.3194E-07
126	*	*	0.00	0.000	0.000	0.3500	0.8290	.5310E-01	.1506E-06
127	*	*	0.00	0.000	0.000	0.3500	2.7093	.6687E-01	.4941E-06
128	*	*	0.00	0.000	0.000	0.3500	2.0285	.6247E-01	.3695E-06
129	*	*	0.60	0.000	0.014	0.3500	0.7884	.5302E-01	.1431E-06
130	*	*	0.00	0.000	0.000	0.3500	0.1795	.4624E-01	.3198E-07
131	*	*	0.00	0.000	0.000	0.3500	1.3738	.5736E-01	.2498E-06
132	*	*	0.00	0.000	0.000	0.3500	1.3370	.5778E-01	.2430E-06
133	*	*	1.26	0.000	0.014	0.3500	0.1796	.4625E-01	.3199E-07
134	*	*	0.01	0.000	0.007	0.3500	0.1506	.3880E-01	.2683E-07
135	*	*	0.00	0.000	0.000	0.3500	0.1570	.4044E-01	.2796E-07
136	*	*	0.41	0.000	0.014	0.3500	0.1612	.4153E-01	.2872E-07
137	*	*	0.00	0.000	0.000	0.3500	0.1385	.3569E-01	.2467E-07
138	*	*	0.00	0.000	0.035	0.0005	0.1416	.3647E-01	.2521E-07

139	0.00	0.000	0.000	0.0005	2.3178	.5359E-01	.4287E-06
140	0.18	0.000	0.062	0.0150	5.6226	.8563E-01	.1050E-05
141	0.07	0.000	0.096	0.0118	6.6436	.9221E-01	.1250E-05
142	0.43	0.000	0.095	0.0533	7.3523	.9677E-01	.1391E-05
143	0.00	0.000	0.086	0.0292	7.8676	.1001	.1494E-05
144	0.00	0.000	0.136	0.0095	8.2559	.1026	.1572E-05
145	0.00	0.000	0.037	0.0005	8.5523	.1045	.1632E-05
146	0.00	0.000	0.000	0.0005	8.9060	.1068	.1704E-05
147	0.00	0.000	0.000	0.0005	9.4996	.1108	.1825E-05
148	0.53	0.000	0.050	0.0605	9.6771	.1120	.1862E-05
149	0.00	0.000	0.080	0.0214	9.7464	.1125	.1876E-05
150	0.00	0.000	0.026	0.0144	9.7834	.1128	.1884E-05
151	0.00	0.000	0.028	0.0067	9.7942	.1128	.1886E-05
152	0.00	0.000	0.025	0.0005	9.7882	.1128	.1885E-05
153	0.00	0.000	0.000	0.0005	9.7581	.1126	.1878E-05
154	0.00	0.000	0.000	0.0005	9.6717	.1120	.1861E-05
155	0.00	0.000	0.000	0.0005	9.5867	.1114	.1843E-05
156	0.05	0.000	0.015	0.0048	9.5074	.1109	.1827E-05
157	0.21	0.000	0.023	0.0281	9.4290	.1103	.1811E-05
158	0.11	0.000	0.034	0.0376	9.3486	.1098	.1794E-05
159	0.00	0.000	0.168	0.0165	9.2650	.1092	.1777E-05
160	0.00	0.000	0.023	0.0129	9.1774	.1086	.1759E-05
161	0.03	0.000	0.034	0.0120	9.0914	.1080	.1742E-05
162	0.00	0.000	0.022	0.0093	9.0013	.1074	.1723E-05
163	0.00	0.000	0.025	0.0062	8.9001	.1068	.1703E-05
164	0.00	0.000	0.025	0.0005	8.7937	.1061	.1681E-05
165	0.00	0.000	0.000	0.0005	8.6929	.1054	.1661E-05
166	0.00	0.000	0.000	0.0005	8.5824	.1047	.1638E-05
167	0.00	0.000	0.000	0.0005	8.4666	.1039	.1615E-05
168	0.00	0.000	0.000	0.0005	8.3492	.1032	.1591E-05
169	0.00	0.000	0.000	0.0005	8.2310	.1024	.1567E-05
170	0.00	0.000	0.000	0.0005	8.1121	.1017	.1543E-05
171	0.00	0.000	0.000	0.0005	7.9925	.1009	.1519E-05
172	0.00	0.000	0.000	0.0005	7.8722	.1001	.1495E-05
173	0.00	0.000	0.000	0.0005	7.7514	.9934E-01	.1471E-05
174	0.00	0.000	0.000	0.0005	7.6299	.9856E-01	.1446E-05
175	0.00	0.000	0.000	0.0005	7.5080	.9777E-01	.1422E-05
176	0.00	0.000	0.000	0.0005	7.3856	.9699E-01	.1397E-05
177	0.00	0.000	0.000	0.0005	7.2629	.9619E-01	.1373E-05
178	0.00	0.000	0.000	0.0005	7.1399	.9540E-01	.1348E-05
179	0.02	0.000	0.013	0.0013	7.0168	.9461E-01	.1324E-05
180	0.00	0.000	0.002	0.0007	6.8923	.9381E-01	.1299E-05
181	0.00	0.000	0.001	0.0005	6.7711	.9303E-01	.1275E-05
182	0.00	0.000	0.000	0.0005	6.6517	.9226E-01	.1252E-05
183	0.00	0.000	0.000	0.0005	6.5295	.9147E-01	.1227E-05
184	0.73	0.000	0.025	0.0886	6.4062	.9068E-01	.1203E-05
185	0.00	0.000	0.082	0.0349	6.2824	.8988E-01	.1179E-05
186	0.08	0.000	0.071	0.0088	6.1729	.8918E-01	.1157E-05
187	0.41	0.000	0.085	0.0486	6.0612	.8846E-01	.1135E-05
188	0.01	0.000	0.088	0.0296	5.9216	.8756E-01	.1108E-05
189	0.02	0.000	0.125	0.0139	5.7721	.8660E-01	.1079E-05
190	0.00	0.000	0.074	0.0005	5.6131	.8557E-01	.1048E-05
191	0.02	0.000	0.020	0.0005	5.4625	.8460E-01	.1019E-05
192	0.00	0.000	0.000	0.0005	5.2942	.8352E-01	.9859E-06
193	0.05	0.000	0.019	0.0044	5.1214	.8241E-01	.9524E-06
194	0.58	0.000	0.052	0.0700	4.9637	.8139E-01	.9220E-06
195	0.01	0.000	0.084	0.0261	4.8328	.8055E-01	.8967E-06
196	0.00	0.000	0.152	0.0007	4.7488	.8001E-01	.8805E-06
197	0.00	0.000	0.001	0.0005	4.6706	.7950E-01	.8655E-06
198	0.16	0.000	0.051	0.0138	4.5467	.7870E-01	.8417E-06
199	0.10	0.000	0.066	0.0180	4.3917	.7771E-01	.8120E-06
200	0.31	0.000	0.080	0.0468	4.2525	.7681E-01	.7854E-06
201	0.00	0.000	0.163	0.0264	4.1454	.7612E-01	.7650E-06
202	0.07	0.000	0.073	0.0254	4.0639	.7560E-01	.7495E-06
203	0.26	0.000	0.098	0.0425	3.9951	.7515E-01	.7363E-06
204	0.00	0.000	0.186	0.0177	3.9490	.7486E-01	.7276E-06
205	0.00	0.000	0.076	0.0076	3.9073	.7459E-01	.7197E-06
206	0.00	0.000	0.039	0.0005	3.8427	.7417E-01	.7074E-06
207	0.00	0.000	0.000	0.0005	3.7853	.7380E-01	.6965E-06
208	0.00	0.000	0.000	0.0005	3.7122	.7333E-01	.6827E-06
209	0.00	0.000	0.000	0.0005	3.6311	.7281E-01	.6673E-06
210	0.00	0.000	0.000	0.0005	3.5529	.7230E-01	.6525E-06
211	0.00	0.000	0.000	0.0005	3.4791	.7183E-01	.6386E-06
212	0.00	0.000	0.000	0.0005	3.4088	.7138E-01	.6253E-06
213	0.00	0.000	0.000	0.0005	3.3408	.7094E-01	.6125E-06
214	0.00	0.000	0.000	0.0005	3.2741	.7051E-01	.5999E-06
215	0.03	0.000	0.020	0.0015	3.2080	.7008E-01	.5875E-06
216	0.47	0.000	0.056	0.0533	3.1423	.6966E-01	.5751E-06
217	0.00	0.000	0.116	0.0153	3.0789	.6925E-01	.5633E-06
218	0.00	0.000	0.078	0.0050	3.0286	.6893E-01	.5538E-06
219	0.35	0.000	0.086	0.0375	2.9695	.6855E-01	.5427E-06
220	0.00	0.000	0.131	0.0204	2.8614	.6785E-01	.5225E-06

221	0.00	0.000	0.111	0.0065	2.7516	.6715E-01	.5020E-06
222	0.00	0.000	0.025	0.0005	2.0368	.6239E-01	.3711E-06
223	0.00	0.000	0.000	0.0005	1.3853	.5802E-01	.2520E-06
224	0.02	0.000	0.020	0.0005	0.1941	.5000E-01	.3459E-07
225	0.35	0.000	0.055	0.0373	0.1873	.4825E-01	.3338E-07
226	0.00	0.000	0.121	0.0222	0.1753	.4515E-01	.3123E-07
227	0.00	0.000	0.132	0.0057	0.1626	.4189E-01	.2897E-07
228	0.00	0.000	0.022	0.0005	0.1526	.3930E-01	.2717E-07
229	0.00	0.000	0.000	0.0005	0.1422	.3664E-01	.2533E-07
230	0.00	0.000	0.000	0.0005	0.1394	.3590E-01	.2482E-07
231	0.01	0.000	0.010	0.0005	0.1388	.3575E-01	.2471E-07
232	0.00	0.000	0.000	0.0005	0.1381	.3558E-01	.2460E-07
233	0.00	0.000	0.000	0.0005	0.1374	.3538E-01	.2446E-07
234	0.00	0.000	0.000	0.0005	0.1366	.3519E-01	.2433E-07
235	0.00	0.000	0.000	0.0005	0.1361	.3506E-01	.2423E-07
236	0.03	0.000	0.023	0.0013	0.1358	.3497E-01	.2418E-07
237	1.03	0.000	0.068	0.1215	0.1357	.3496E-01	.2416E-07
238	0.00	0.000	0.067	0.0540	0.1353	.3486E-01	.2409E-07
239	0.00	0.000	0.092	0.0058	0.1287	.3316E-01	.2292E-07
240	0.00	0.000	0.022	0.0005	0.1356	.3492E-01	.2414E-07
241	0.00	0.000	0.000	0.0005	0.1448	.3729E-01	.2578E-07
242	3.23	0.000	0.135	0.1939	0.1538	.3961E-01	.2738E-07
243	0.00	0.000	0.039	0.0005	0.1471	.3789E-01	.2620E-07
244	0.00	0.000	0.000	0.0005	0.1436	.3698E-01	.2557E-07
245	0.01	0.000	0.010	0.0005	0.1181	.3043E-01	.2103E-07
246	0.00	0.000	0.000	0.0005	0.1260	.3245E-01	.2243E-07
247	0.00	0.000	0.000	0.0005	3.7695	.7370E-01	.6935E-06
248	0.00	0.000	0.000	0.0005	4.1913	.7642E-01	.7737E-06
249	1.07	0.000	0.078	0.1246	4.5347	.7863E-01	.8394E-06
250	0.00	0.000	0.037	0.0588	4.8069	.8038E-01	.8917E-06
251	0.00	0.000	0.068	0.0072	4.9799	.8149E-01	.9251E-06
252	0.00	0.000	0.027	0.0005	4.9385	.8123E-01	.9171E-06
253	0.00	0.000	0.000	0.0005	4.8247	.8049E-01	.8952E-06
254	0.00	0.000	0.000	0.0005	5.0401	.8188E-01	.9367E-06
255	0.00	0.000	0.000	0.0005	5.3317	.8376E-01	.9931E-06
256	0.24	0.000	0.059	0.0232	5.5832	.8538E-01	.1042E-05
257	0.09	0.000	0.073	0.0253	5.7917	.8672E-01	.1083E-05
258	0.20	0.000	0.072	0.0408	5.9613	.8781E-01	.1116E-05
259	1.10	0.000	0.077	0.1513	6.1027	.8872E-01	.1144E-05
260	0.00	0.000	0.084	0.0494	6.2212	.8949E-01	.1167E-05
261	0.00	0.000	0.050	0.0022	6.2353	.8958E-01	.1170E-05
262	0.17	0.000	0.047	0.0168	6.1229	.8885E-01	.1147E-05
263	0.03	0.000	0.053	0.0139	5.9825	.8795E-01	.1120E-05
264	0.05	0.000	0.057	0.0127	6.1617	.8910E-01	.1155E-05
265	0.32	0.000	0.076	0.0428	6.4224	.9078E-01	.1206E-05
266	0.00	0.000	0.037	0.0321	6.6405	.9219E-01	.1249E-05
267	0.00	0.000	0.053	0.0207	6.8311	.9341E-01	.1287E-05
268	0.00	0.000	0.047	0.0087	6.9789	.9437E-01	.1316E-05
269	0.01	0.000	0.041	0.0005	7.0566	.9487E-01	.1332E-05
270	0.00	0.000	0.000	0.0005	7.0644	.9492E-01	.1333E-05
271	0.00	0.000	0.000	0.0005	7.0585	.9488E-01	.1332E-05
272	0.37	0.000	0.046	0.0406	7.0902	.9508E-01	.1338E-05
273	0.54	0.000	0.070	0.0821	7.1281	.9533E-01	.1346E-05
274	0.35	0.000	0.083	0.0650	7.1609	.9554E-01	.1353E-05
275	0.00	0.000	0.083	0.0280	7.1562	.9551E-01	.1352E-05
276	0.14	0.000	0.099	0.0298	7.0274	.9468E-01	.1326E-05
277	0.00	0.000	0.080	0.0152	6.8591	.9359E-01	.1293E-05
278	0.00	0.000	0.064	0.0032	6.8736	.9369E-01	.1296E-05
279	0.23	0.000	0.072	0.0229	6.9166	.9396E-01	.1304E-05
280	0.11	0.000	0.068	0.0282	6.9545	.9421E-01	.1312E-05
281	0.00	0.000	0.044	0.0227	7.0190	.9462E-01	.1324E-05
282	0.01	0.000	0.059	0.0159	7.0796	.9501E-01	.1336E-05
283	0.00	0.000	0.044	0.0103	7.1352	.9537E-01	.1347E-05
284	0.00	0.000	0.039	0.0050	7.1689	.9559E-01	.1354E-05
285	0.00	0.000	0.019	0.0027	7.1889	.9572E-01	.1358E-05
286	0.05	0.000	0.028	0.0044	7.1945	.9575E-01	.1359E-05
287	0.43	0.000	0.037	0.0535	7.1929	.9574E-01	.1359E-05
288	0.03	0.000	0.048	0.0239	7.1716	.9561E-01	.1355E-05
289	0.00	0.000	0.033	0.0145	7.1588	.9552E-01	.1352E-05
290	0.00	0.000	0.030	0.0069	7.0710	.9496E-01	.1335E-05
291	0.03	0.000	0.044	0.0021	6.9140	.9395E-01	.1304E-05
292 *	0.41	0.000	0.018	0.0045	6.8005	.9322E-01	.1281E-05
293 *	0.33	0.000	0.023	0.0070	6.6918	.9252E-01	.1260E-05
294 *	0.40	0.000	0.000	0.0095	6.6149	.9202E-01	.1244E-05
295 *	0.09	0.000	0.013	0.0117	6.5619	.9168E-01	.1234E-05
296 *	0.70	0.000	0.018	0.0142	6.5205	.9141E-01	.1226E-05
297 *	0.54	0.000	0.019	0.0163	6.4778	.9114E-01	.1217E-05
298 *	0.00	0.000	0.022	0.0188	6.4324	.9085E-01	.1208E-05
299	0.00	0.000	0.000	0.0212	6.3859	.9055E-01	.1199E-05
300 *	0.06	0.000	0.000	0.0234	6.3319	.9020E-01	.1189E-05
301	0.00	0.000	0.024	0.0359	6.2767	.8984E-01	.1178E-05
302 *	0.27	0.000	0.031	0.0384	6.2169	.8946E-01	.1166E-05

EVAPOTRANSPIRATION	0.307	0.355	0.285	0.579	0.795	0.411
	1.710	1.428	1.162	1.170	0.401	0.323
SUBSURFACE INFLOW INTO	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497
LAYER 2	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED	0.8424	0.5943	0.9583	1.8170	2.1060	3.1139
FROM LAYER 3	2.4928	1.5051	2.4573	2.8896	2.9923	2.7859
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	0.106	0.082	0.631	2.135	3.705	8.433
TOP OF LAYER 4	4.812	1.098	5.308	6.800	7.813	6.280
STD. DEVIATION OF DAILY	0.009	0.005	1.121	1.277	3.998	0.943
HEAD ON TOP OF LAYER 4	1.029	1.347	1.984	0.361	1.138	1.055

ANNUAL TOTALS FOR YEAR 1995

	INCHES	CU. FEET	PERCENT
PRECIPITATION	34.01	123453.609	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	8.926	32399.911	26.24
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	8.93
DRAINAGE COLLECTED FROM LAYER 3	24.5548	89131.813	72.20
PERC./LEAKAGE THROUGH LAYER 5	0.000271	0.983	0.00
AVG. HEAD ON TOP OF LAYER 4	3.9335		
CHANGE IN WATER STORAGE	3.567	12948.632	10.49
SOIL WATER AT START OF YEAR	10.439	37891.176	
SOIL WATER AT END OF YEAR	12.328	44751.409	
SNOW WATER AT START OF YEAR	0.688	2498.103	2.02
SNOW WATER AT END OF YEAR	2.365	8586.503	6.96
ANNUAL WATER BUDGET BALANCE	0.0000	-0.002	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1996

S	DAY	A	O	RAIN	ET	E. ZONE	HEAD	DRAIN	LEAK
I	I			WATER	#1	#1	#1		
R	L	IN.	IN.	IN.	IN./IN.	IN.	IN.	IN.	IN.

1	*	*	0.00	0.000	0.021	0.1692	4.4278	.7794E-01	.8189E-06
2	*	*	0.00	0.000	0.017	0.1692	4.3161	.7722E-01	.7976E-06
3	*	*	0.01	0.000	0.000	0.1692	4.2052	.7651E-01	.7764E-06
4	*	*	0.06	0.000	0.015	0.1692	4.0951	.7580E-01	.7554E-06
5	*	*	0.05	0.000	0.009	0.1692	3.9857	.7509E-01	.7346E-06
6	*	*	0.02	0.000	0.010	0.1692	3.8772	.7439E-01	.7139E-06
7	*	*	0.00	0.000	0.009	0.1692	3.7694	.7370E-01	.6935E-06
8	*	*	0.00	0.000	0.015	0.1692	3.6625	.7301E-01	.6732E-06
9	*	*	0.04	0.000	0.000	0.1692	3.5565	.7233E-01	.6532E-06
10	*	*	0.00	0.000	0.014	0.1692	3.4512	.7165E-01	.6333E-06
11	*	*	0.00	0.000	0.019	0.1692	3.3469	.7098E-01	.6136E-06
12	*	*	0.01	0.000	0.000	0.1692	3.2434	.7031E-01	.5942E-06
13	*	*	0.00	0.000	0.018	0.1692	3.1408	.6965E-01	.5749E-06
14	*	*	0.05	0.000	0.000	0.1692	3.0390	.6900E-01	.5558E-06
15	*	*	0.16	0.000	0.012	0.1692	2.9382	.6835E-01	.5369E-06
16	*	*	0.19	0.000	0.012	0.1692	2.8382	.6770E-01	.5182E-06
17	*	*	0.04	0.000	0.012	0.1692	2.7392	.6706E-01	.4997E-06
18	*	*	1.13	0.000	0.012	0.1692	2.6410	.6643E-01	.4814E-06
19	*	*	0.27	0.000	0.009	0.1692	1.3775	.5803E-01	.2505E-06
20	*	*	0.05	0.000	0.008	0.1692	0.1933	.4979E-01	.3444E-07
21	*	*	0.01	0.000	0.000	0.1692	0.1862	.4796E-01	.3317E-07
22	*	*	0.04	0.000	0.000	0.1692	0.1749	.4506E-01	.3116E-07
23	*	*	0.00	0.000	0.015	0.1692	0.1627	.4191E-01	.2898E-07
24	*	*	0.04	0.000	0.011	0.1692	0.1510	.3889E-01	.2688E-07
25	*	*	0.03	0.000	0.011	0.1692	0.1404	.3617E-01	.2500E-07
26	*	*	0.03	0.000	0.009	0.1692	0.1312	.3380E-01	.2336E-07
27	*	*	0.50	0.000	0.010	0.1692	0.1234	.3178E-01	.2197E-07
28	*	*	0.06	0.000	0.010	0.1692	0.1168	.3009E-01	.2079E-07
29	*	*	0.70	0.000	0.000	0.1692	0.1113	.2867E-01	.1981E-07
30	*	*	0.14	0.000	0.000	0.1692	0.1067	.2749E-01	.1900E-07
31	*	*	0.08	0.000	0.000	0.1692	0.1029	.2651E-01	.1832E-07
32	*	*	0.06	0.000	0.000	0.1692	0.0998	.2570E-01	.1775E-07
33	*	*	0.04	0.000	0.000	0.1692	0.0971	.2501E-01	.1728E-07
34	*	*	0.01	0.000	0.000	0.1692	0.0949	.2443E-01	.1688E-07
35	*	*	0.00	0.000	0.014	0.1692	0.0930	.2394E-01	.1654E-07
36	*	*	0.01	0.000	0.012	0.1692	0.0913	.2352E-01	.1625E-07
37	*	*	0.00	0.000	0.019	0.1692	0.0899	.2315E-01	.1599E-07
38	*	*	0.10	0.000	0.000	0.1692	0.0886	.2283E-01	.1577E-07
39	*	*	0.03	0.000	0.000	0.1692	0.0875	.2254E-01	.1557E-07
40	*	*	0.20	0.000	0.000	0.1692	0.0865	.2228E-01	.1539E-07
41	*	*	0.65	0.000	0.000	0.1692	0.0856	.2205E-01	.1523E-07
42	*	*	0.25	0.000	0.000	0.1692	0.0848	.2183E-01	.1508E-07
43	*	*	0.00	0.000	0.017	0.1692	0.0840	.2163E-01	.1494E-07
44	*	*	0.17	0.000	0.020	0.1692	0.0832	.2144E-01	.1481E-07
45	*	*	0.03	0.000	0.019	0.1692	0.0826	.2126E-01	.1469E-07
46	*	*	0.00	0.000	0.022	0.1692	0.0819	.2110E-01	.1457E-07
47	*	*	0.02	0.000	0.000	0.1692	0.0813	.2093E-01	.1446E-07
48	*	*	0.04	0.000	0.015	0.1692	0.0807	.2078E-01	.1435E-07
49	*	*	0.00	0.000	0.022	0.1692	0.0801	.2063E-01	.1425E-07
50	*	*	0.02	0.000	0.000	0.1692	0.0795	.2048E-01	.1415E-07
51	*	*	0.00	0.000	0.021	0.1692	0.0790	.2034E-01	.1405E-07
52	*	*	0.00	0.000	0.020	0.1692	0.0784	.2020E-01	.1396E-07
53	*	*	0.00	0.000	0.027	0.1692	0.0779	.2007E-01	.1386E-07
54	*	*	0.52	0.000	0.000	0.1692	0.0774	.1994E-01	.1377E-07
55	*	*	0.10	0.000	0.000	0.1692	0.0769	.1981E-01	.1369E-07
56	*	*	0.00	0.000	0.029	0.1692	0.0764	.1969E-01	.1360E-07
57	*	*	0.00	0.000	0.036	0.1692	0.0760	.1957E-01	.1352E-07
58	*	*	0.27	0.000	0.025	0.1692	0.0755	.1945E-01	.1343E-07
59	*	*	0.25	0.000	0.000	0.1692	0.0751	.1933E-01	.1335E-07
60	*	*	0.00	0.000	0.027	0.1692	0.0746	.1922E-01	.1327E-07
61	*	*	0.09	0.000	0.000	0.1692	0.0742	.1911E-01	.1320E-07
62	*	*	0.29	0.000	0.025	0.1692	0.0738	.1900E-01	.1312E-07
63	*	*	0.04	0.000	0.015	0.1692	0.0733	.1889E-01	.1305E-07
64	*	*	0.02	0.000	0.000	0.1692	0.0729	.1878E-01	.1297E-07
65	*	*	0.00	0.000	0.024	0.1692	0.0725	.1868E-01	.1290E-07
66	*	*	0.00	0.000	0.017	0.1692	0.0721	.1858E-01	.1283E-07
67	*	*	0.00	0.000	0.020	0.1692	0.0717	.1848E-01	.1276E-07
68	*	*	0.02	0.000	0.013	0.1692	0.0714	.1838E-01	.1270E-07
69	*	*	0.00	0.000	0.012	0.1692	0.0710	.1829E-01	.1263E-07
70	*	*	0.00	0.000	0.000	0.1692	0.0706	.1819E-01	.1256E-07
71	*	*	0.00	0.000	0.000	0.1692	0.0703	.1810E-01	.1250E-07
72	*	*	0.00	0.000	0.030	0.1692	0.0699	.1801E-01	.1244E-07
73	*	*	0.00	0.000	0.026	0.1692	0.0696	.1792E-01	.1237E-07
74	*	*	0.16	0.000	0.000	0.1692	0.0692	.1783E-01	.1231E-07
75	*	*	0.10	0.000	0.000	0.1692	0.0689	.1774E-01	.1225E-07
76	*	*	0.00	0.000	0.025	0.1692	0.0685	.1766E-01	.1219E-07
77	*	*	0.03	0.000	0.029	0.1692	0.0682	.1757E-01	.1214E-07
78	*	*	0.02	0.000	0.027	0.1692	0.0679	.1749E-01	.1208E-07
79	*	*	0.00	0.000	0.000	0.1692	0.0676	.1741E-01	.1202E-07
80	*	*	0.00	0.000	0.041	0.1692	0.0673	.1733E-01	.1197E-07
81	*	*	0.00	0.000	0.032	0.1692	0.0670	.1725E-01	.1191E-07
82	*	*	0.00	0.000	0.000	0.2967	0.0667	.1717E-01	.1186E-07

83	*	0.00	0.000	0.000	0.3500	0.0664	.1710E-01	.1181E-07
84	*	0.39	0.000	0.000	0.3500	0.0649	.1671E-01	.1154E-07
85	*	1.26	0.000	0.000	0.3500	0.0613	.1580E-01	.1091E-07
86	*	0.01	0.000	0.000	0.3500	0.0622	.1601E-01	.1106E-07
87	*	0.00	0.000	0.035	0.3500	0.0622	.1602E-01	.1107E-07
88	*	0.00	0.000	0.038	0.3500	0.0468	.1205E-01	.8319E-08
89	*	0.01	0.000	0.033	0.3500	2.1724	.5175E-01	.4009E-06
90	*	0.18	0.000	0.034	0.3500	4.9597	.8136E-01	.9212E-06
91	*	0.00	0.000	0.024	0.3500	5.7086	.8619E-01	.1066E-05
92	*	0.00	0.000	0.034	0.3500	6.2745	.8983E-01	.1177E-05
93	*	0.02	0.000	0.000	0.3500	6.7106	.9264E-01	.1263E-05
94	*	0.07	0.000	0.000	0.3500	7.0806	.9502E-01	.1337E-05
95	*	0.02	0.000	0.000	0.3500	7.6375	.9861E-01	.1448E-05
96	*	0.00	0.000	0.000	0.3500	7.6779	.9887E-01	.1456E-05
97	*	0.00	0.000	0.000	0.3500	7.9300	.1005	.1506E-05
98	*	0.00	0.000	0.000	0.3500	8.6827	.1054	.1659E-05
99	*	0.00	0.000	0.000	0.3500	9.3761	.1100	.1800E-05
100	*	0.00	0.000	0.000	0.3500	9.8991	.1136	.1907E-05
101	*	0.00	0.000	0.000	0.3500	10.2888	.1163	.1988E-05
102	*	0.21	0.000	0.012	0.3500	10.5837	.1184	.2049E-05
103	*	0.01	0.000	0.007	0.3500	10.7722	.1197	.2088E-05
104	*	0.09	0.000	0.065	0.3500	10.7890	.1198	.2092E-05
105	*	0.00	0.000	0.025	0.3500	10.8602	.1204	.2107E-05
106	*	0.27	0.000	0.012	0.3500	10.9471	.1210	.2125E-05
107	*	0.00	0.000	0.000	0.3500	10.9924	.1213	.2134E-05
108	*	0.00	0.000	0.000	0.3500	10.8475	.1203	.2104E-05
109	*	0.23	0.000	0.012	0.3500	10.8255	.1201	.2100E-05
110	*	0.00	0.000	0.000	0.3500	10.8453	.1202	.2104E-05
111	*	0.06	0.000	0.012	0.3500	10.6965	.1192	.2073E-05
112	*	0.14	0.000	0.012	0.3500	10.6951	.1192	.2072E-05
113	*	0.05	0.000	0.050	0.3500	10.6793	.1191	.2069E-05
114	*	0.04	0.000	0.040	0.3500	10.5339	.1180	.2039E-05
115	*	0.00	0.000	0.000	0.3500	10.4998	.1178	.2032E-05
116	*	1.02	0.000	0.038	0.3500	10.5113	.1179	.2034E-05
117	*	0.17	0.000	0.046	0.3500	10.5200	.1179	.2036E-05
118	*	0.00	0.000	0.042	0.3500	10.5176	.1179	.2035E-05
119	*	0.00	0.000	0.056	0.3500	10.5173	.1179	.2035E-05
120	*	0.01	0.000	0.000	0.3500	10.3974	.1170	.2010E-05
121	*	0.67	0.000	0.012	0.3500	10.2783	.1162	.1986E-05
122	*	0.14	0.000	0.012	0.3500	10.0956	.1149	.1948E-05
123	*	0.00	0.000	0.000	0.3500	9.8936	.1135	.1906E-05
124	*	0.00	0.000	0.000	0.3500	9.7022	.1122	.1867E-05
125	*	0.00	0.000	0.000	0.3500	9.9023	.1136	.1908E-05
126	*	0.00	0.000	0.000	0.3500	10.2027	.1157	.1970E-05
127	*	0.00	0.000	0.000	0.3500	10.4547	.1175	.2022E-05
128	*	0.16	0.000	0.012	0.3500	10.6481	.1188	.2063E-05
129	*	0.00	0.000	0.041	0.0005	10.8076	.1200	.2096E-05
130	*	0.07	0.000	0.023	0.0064	12.4745	4.438	.2318E-05
131	*	0.14	0.000	0.098	0.0089	0.0433	.1114E-01	.8131E-08
132	*	0.00	0.000	0.075	0.0024	4.2616	.7687E-01	.7872E-06
133	*	0.00	0.000	0.010	0.0005	4.9563	.8134E-01	.9206E-06
134	*	0.00	0.000	0.000	0.0005	5.4747	.8468E-01	.1021E-05
135	*	0.00	0.000	0.000	0.0005	5.8774	.8727E-01	.1099E-05
136	*	0.00	0.000	0.000	0.0005	6.1930	.8931E-01	.1161E-05
137	*	0.00	0.000	0.000	0.0005	6.6790	.9243E-01	.1257E-05
138	*	0.07	0.000	0.014	0.0074	7.2149	.9589E-01	.1363E-05
139	*	0.03	0.000	0.022	0.0083	7.3840	.9697E-01	.1397E-05
140	*	0.78	0.000	0.029	0.1022	7.4788	.9759E-01	.1416E-05
141	*	0.00	0.000	0.101	0.0372	7.5454	.9801E-01	.1429E-05
142	*	0.00	0.000	0.039	0.0027	7.5925	.9832E-01	.1439E-05
143	*	0.00	0.000	0.010	0.0005	7.5857	.9827E-01	.1437E-05
144	*	0.00	0.000	0.000	0.0005	7.4423	.9735E-01	.1409E-05
145	*	0.00	0.000	0.000	0.0005	7.3491	.9675E-01	.1390E-05
146	*	0.00	0.000	0.000	0.0005	7.3196	.9656E-01	.1384E-05
147	*	0.00	0.000	0.000	0.0005	7.3061	.9647E-01	.1381E-05
148	*	0.00	0.000	0.000	0.0005	7.2920	.9638E-01	.1379E-05
149	*	0.00	0.000	0.000	0.0005	7.2728	.9626E-01	.1375E-05
150	*	0.00	0.000	0.000	0.0005	7.2470	.9609E-01	.1370E-05
151	*	0.00	0.000	0.000	0.0005	7.2143	.9588E-01	.1363E-05
152	*	0.00	0.000	0.000	0.0005	7.1749	.9563E-01	.1355E-05
153	*	0.22	0.000	0.020	0.0254	7.1291	.9533E-01	.1346E-05
154	*	0.98	0.000	0.028	0.1440	7.0773	.9500E-01	.1336E-05
155	*	0.32	0.000	0.155	0.0856	7.0235	.9465E-01	.1325E-05
156	*	0.07	0.000	0.146	0.0340	6.9783	.9436E-01	.1316E-05
157	*	0.00	0.000	0.118	0.0173	6.8619	.9361E-01	.1293E-05
158	*	0.47	0.000	0.167	0.0525	6.7006	.9257E-01	.1261E-05
159	*	0.00	0.000	0.111	0.0147	6.5099	.9135E-01	.1224E-05
160	*	0.00	0.000	0.078	0.0048	6.4279	.9082E-01	.1207E-05
161	*	0.00	0.000	0.025	0.0005	6.3353	.9022E-01	.1189E-05
162	*	0.00	0.000	0.000	0.0005	6.2517	.8968E-01	.1173E-05
163	*	0.00	0.000	0.000	0.0005	6.2517	.8968E-01	.1173E-05
164	*	0.00	0.000	0.000	0.0005	6.2802	.8987E-01	.1178E-05

165	0.00	0.000	0.000	0.0005	6.3096	.9006E-01	.1184E-05
166	0.00	0.000	0.000	0.0005	6.3322	.9020E-01	.1189E-05
167	0.00	0.000	0.000	0.0005	6.3456	.9029E-01	.1191E-05
168	0.08	0.000	0.014	0.0085	6.3494	.9031E-01	.1192E-05
169	0.00	0.000	0.010	0.0073	6.3448	.9028E-01	.1191E-05
170	0.00	0.000	0.018	0.0050	6.3321	.9020E-01	.1189E-05
171	0.03	0.000	0.028	0.0044	6.3080	.9005E-01	.1184E-05
172	0.00	0.000	0.017	0.0016	6.2820	.8988E-01	.1179E-05
173	0.32	0.000	0.027	0.0380	6.2533	.8969E-01	.1173E-05
174	0.00	0.000	0.014	0.0255	6.2101	.8942E-01	.1165E-05
175	0.18	0.000	0.034	0.0380	6.1574	.8908E-01	.1154E-05
176	0.00	0.000	0.147	0.0162	6.1143	.8880E-01	.1146E-05
177	0.00	0.000	0.019	0.0104	6.0323	.8827E-01	.1130E-05
178	0.00	0.000	0.024	0.0069	5.9349	.8764E-01	.1111E-05
179	0.01	0.000	0.032	0.0034	5.8040	.8680E-01	.1085E-05
180	0.93	0.000	0.046	0.1125	5.6803	.8600E-01	.1061E-05
181	1.08	0.000	0.188	0.1694	5.5824	.8537E-01	.1042E-05
182	0.00	0.000	0.118	0.0448	5.5201	.8497E-01	.1030E-05
183	0.09	0.000	0.084	0.0163	5.4248	.8436E-01	.1011E-05
184	0.02	0.000	0.090	0.0038	5.2996	.8355E-01	.9869E-06
185	0.00	0.000	0.014	0.0020	5.1414	.8253E-01	.9563E-06
186	0.00	0.000	0.006	0.0005	5.0114	.8170E-01	.9312E-06
187	0.26	0.000	0.047	0.0271	5.1019	.8228E-01	.9486E-06
188	0.39	0.000	0.070	0.0667	5.2321	.8312E-01	.9738E-06
189	0.00	0.000	0.146	0.0305	5.3595	.8394E-01	.9985E-06
190	0.07	0.000	0.179	0.0130	5.4245	.8436E-01	.1011E-05
191	0.00	0.000	0.059	0.0020	5.4346	.8442E-01	.1013E-05
192	0.00	0.000	0.006	0.0005	5.4500	.8452E-01	.1016E-05
193	0.12	0.000	0.051	0.0091	5.4522	.8454E-01	.1017E-05
194	0.39	0.000	0.055	0.0511	5.4779	.8470E-01	.1022E-05
195	0.08	0.000	0.203	0.0341	5.5123	.8492E-01	.1028E-05
196	0.01	0.000	0.058	0.0251	5.5523	.8518E-01	.1036E-05
197	0.00	0.000	0.080	0.0117	5.5977	.8547E-01	.1045E-05
198	0.00	0.000	0.054	0.0005	5.6257	.8565E-01	.1050E-05
199	0.00	0.000	0.000	0.0005	5.6219	.8563E-01	.1050E-05
200	0.05	0.000	0.023	0.0039	5.5552	.8520E-01	.1037E-05
201	0.00	0.000	0.019	0.0013	5.5047	.8487E-01	.1027E-05
202	0.00	0.000	0.003	0.0005	5.4717	.8466E-01	.1020E-05
203	0.00	0.000	0.000	0.0005	5.4439	.8448E-01	.1015E-05
204	0.06	0.000	0.021	0.0054	5.4102	.8426E-01	.1008E-05
205	0.00	0.000	0.028	0.0020	5.3740	.8403E-01	.1001E-05
206	0.00	0.000	0.007	0.0011	5.3353	.8378E-01	.9938E-06
207	0.00	0.000	0.003	0.0005	5.2930	.8351E-01	.9856E-06
208	0.00	0.000	0.000	0.0005	5.2524	.8325E-01	.9778E-06
209	0.00	0.000	0.000	0.0005	5.2042	.8294E-01	.9684E-06
210	0.19	0.000	0.048	0.0180	5.1516	.8260E-01	.9582E-06
211	0.00	0.000	0.064	0.0101	5.0957	.8224E-01	.9474E-06
212	0.18	0.000	0.093	0.0204	5.0384	.8187E-01	.9364E-06
213	0.00	0.000	0.118	0.0055	4.9776	.8148E-01	.9246E-06
214	0.00	0.000	0.028	0.0020	4.9168	.8109E-01	.9129E-06
215	0.00	0.000	0.006	0.0005	4.8496	.8065E-01	.9000E-06
216	0.00	0.000	0.000	0.0005	4.7831	.8023E-01	.8871E-06
217	0.00	0.000	0.000	0.0005	4.7116	.7977E-01	.8734E-06
218	0.95	0.000	0.101	0.1066	4.6371	.7929E-01	.8591E-06
219	0.00	0.000	0.108	0.0418	4.5607	.7879E-01	.8444E-06
220	0.21	0.000	0.156	0.0220	4.4999	.7840E-01	.8328E-06
221	0.00	0.000	0.102	0.0056	4.4276	.7794E-01	.8189E-06
222	0.00	0.000	0.028	0.0012	4.3160	.7722E-01	.7975E-06
223	0.00	0.000	0.003	0.0005	4.1646	.7624E-01	.7686E-06
224	0.00	0.000	0.000	0.0005	4.0195	.7531E-01	.7410E-06
225	0.00	0.000	0.000	0.0005	3.9044	.7457E-01	.7191E-06
226	0.00	0.000	0.000	0.0005	3.8247	.7406E-01	.7040E-06
227	0.31	0.000	0.088	0.0282	3.7666	.7368E-01	.6930E-06
228	0.15	0.000	0.140	0.0291	3.7169	.7336E-01	.6835E-06
229	0.00	0.000	0.153	0.0100	3.6749	.7309E-01	.6756E-06
230	0.00	0.000	0.041	0.0047	3.6303	.7280E-01	.6671E-06
231	0.00	0.000	0.025	0.0005	3.5834	.7250E-01	.6583E-06
232	0.28	0.000	0.087	0.0246	3.5437	.7225E-01	.6508E-06
233	0.00	0.000	0.081	0.0146	3.4963	.7194E-01	.6418E-06
234	0.00	0.000	0.088	0.0036	3.4434	.7160E-01	.6318E-06
235	0.18	0.000	0.081	0.0149	3.3868	.7124E-01	.6212E-06
236	0.04	0.000	0.088	0.0089	3.3367	.7091E-01	.6117E-06
237	0.00	0.000	0.050	0.0027	3.2823	.7056E-01	.6015E-06
238	0.00	0.000	0.012	0.0005	3.2218	.7017E-01	.5901E-06
239	0.00	0.000	0.000	0.0005	3.1649	.6981E-01	.5794E-06
240	0.00	0.000	0.000	0.0005	3.1058	.6943E-01	.5683E-06
241	0.00	0.000	0.000	0.0005	3.0432	.6902E-01	.5565E-06
242	0.00	0.000	0.000	0.0005	2.9792	.6861E-01	.5446E-06
243	0.00	0.000	0.000	0.0005	2.9147	.6819E-01	.5325E-06
244	0.00	0.000	0.000	0.0005	2.8496	.6778E-01	.5203E-06
245	0.00	0.000	0.000	0.0005	2.7842	.6736E-01	.5081E-06
246	0.48	0.000	0.042	0.0553	2.7184	.6693E-01	.4958E-06

247	0.00	0.000	0.022	0.0253	2.0445	.6257E-01	.3725E-06
248	0.00	0.000	0.012	0.0015	0.7982	.5358E-01	.1449E-06
249	0.00	0.000	0.005	0.0005	0.1941	.5000E-01	.3459E-07
250	0.00	0.000	0.000	0.0005	1.3704	.5796E-01	.2492E-06
251	0.00	0.000	0.000	0.0005	0.7586	.5389E-01	.1375E-06
252	0.02	0.000	0.015	0.0011	0.1906	.4910E-01	.3397E-07
253	0.00	0.000	0.002	0.0005	0.1775	.4573E-01	.3162E-07
254	0.20	0.000	0.031	0.0216	0.1550	.3992E-01	.2760E-07
255	0.36	0.000	0.102	0.0539	0.1323	.3407E-01	.2355E-07
256	0.23	0.000	0.091	0.0529	0.1163	.2997E-01	.2071E-07
257	0.01	0.000	0.073	0.0428	0.0991	.2554E-01	.1764E-07
258	0.05	0.000	0.076	0.0373	0.0993	.2557E-01	.1767E-07
259	0.02	0.000	0.064	0.0287	0.1172	.3019E-01	.2086E-07
260	0.00	0.000	0.068	0.0168	0.1245	.3208E-01	.2217E-07
261	0.00	0.000	0.075	0.0021	0.1244	.3205E-01	.2215E-07
262	0.00	0.000	0.007	0.0005	0.1146	.2953E-01	.2041E-07
263	0.00	0.000	0.000	0.0005	0.1099	.2830E-01	.1956E-07
264	0.01	0.000	0.010	0.0005	0.1180	.3040E-01	.2101E-07
265	0.00	0.000	0.000	0.0005	0.1181	.3043E-01	.2103E-07
266	0.00	0.000	0.000	0.0005	0.1089	.2805E-01	.1939E-07
267	0.00	0.000	0.000	0.0005	0.0961	.2476E-01	.1711E-07
268	0.06	0.000	0.018	0.0057	0.0858	.2209E-01	.1526E-07
269	0.00	0.000	0.011	0.0034	0.0821	.2115E-01	.1461E-07
270 *	0.34	0.000	0.030	0.0058	0.0798	.2055E-01	.1419E-07
271	0.27	0.000	0.000	0.0759	0.0855	.2203E-01	.1522E-07
272	0.05	0.000	0.071	0.0342	0.0974	.2510E-01	.1734E-07
273	0.00	0.000	0.032	0.0005	0.1020	.2626E-01	.1814E-07
274	0.02	0.000	0.016	0.0010	0.1155	.2975E-01	.2056E-07
275	0.00	0.000	0.002	0.0005	0.1380	.3555E-01	.2457E-07
276	0.01	0.000	0.010	0.0005	0.1563	.4027E-01	.2784E-07
277	0.00	0.000	0.000	0.0005	0.1557	.4010E-01	.2772E-07
278	0.00	0.000	0.000	0.0005	0.1380	.3555E-01	.2457E-07
279	0.00	0.000	0.000	0.0005	0.1163	.2997E-01	.2071E-07
280	0.06	0.000	0.019	0.0056	0.1017	.2620E-01	.1810E-07
281	0.00	0.000	0.017	0.0034	0.0978	.2518E-01	.1740E-07
282	0.00	0.000	0.018	0.0011	0.1027	.2646E-01	.1828E-07
283	0.11	0.000	0.032	0.0106	0.1131	.2912E-01	.2012E-07
284	0.01	0.000	0.025	0.0087	0.1242	.3199E-01	.2211E-07
285	0.00	0.000	0.017	0.0056	0.1379	.3551E-01	.2455E-07
286	0.00	0.000	0.014	0.0026	0.1472	.3793E-01	.2622E-07
287	0.00	0.000	0.009	0.0014	0.1542	.3973E-01	.2747E-07
288	0.00	0.000	0.004	0.0005	0.1650	.4250E-01	.2938E-07
289	0.01	0.000	0.009	0.0005	0.1714	.4415E-01	.3053E-07
290	0.00	0.000	0.000	0.0005	0.1759	.4531E-01	.3134E-07
291 *	0.56	0.000	0.030	0.0028	0.1778	.4580E-01	.3168E-07
292 *	0.04	0.000	0.026	0.0053	0.1762	.4538E-01	.3138E-07
293 *	0.00	0.000	0.018	0.0077	0.1740	.4482E-01	.3099E-07
294 *	0.00	0.000	0.024	0.0102	0.1711	.4406E-01	.3047E-07
295 *	0.02	0.000	0.000	0.0123	0.1683	.4335E-01	.2997E-07
296	0.03	0.000	0.000	0.0148	0.1645	.4238E-01	.2930E-07
297	0.26	0.000	0.000	0.1045	0.1616	.4163E-01	.2879E-07
298	0.06	0.000	0.047	0.0468	0.1597	.4114E-01	.2845E-07
299	0.01	0.000	0.032	0.0030	0.1494	.3849E-01	.2661E-07
300 *	0.00	0.000	0.000	0.0030	0.1548	.3986E-01	.2756E-07
301 *	0.00	0.000	0.000	0.0030	0.1624	.4184E-01	.2893E-07
302 *	0.00	0.000	0.000	0.0030	0.1709	.4402E-01	.3044E-07
303	0.98	0.000	0.039	0.1206	0.1696	.4368E-01	.3021E-07
304 *	0.19	0.000	0.025	0.0623	0.1566	.4033E-01	.2788E-07
305 *	0.09	0.000	0.000	0.0058	0.1239	.3192E-01	.2206E-07
306	0.10	0.000	0.000	0.0449	0.1071	.2759E-01	.1907E-07
307	0.00	0.000	0.022	0.0238	0.1129	.2908E-01	.2010E-07
308	0.00	0.000	0.029	0.0161	0.1120	.2884E-01	.1993E-07
309	0.00	0.000	0.035	0.0075	0.1128	.2905E-01	.2008E-07
310	0.05	0.000	0.050	0.0044	0.1165	.3000E-01	.2073E-07
311	0.07	0.000	0.031	0.0093	0.0900	.2319E-01	.1602E-07
312	0.00	0.000	0.025	0.0062	0.0727	.1873E-01	.1294E-07
313	0.00	0.000	0.023	0.0031	0.0778	.2003E-01	.1384E-07
314	0.65	0.000	0.035	0.0793	0.1129	.2909E-01	.2010E-07
315	0.19	0.000	0.043	0.0576	0.1641	.4227E-01	.2923E-07
316 *	0.09	0.000	0.035	0.0232	2.2578	.6385E-01	.4124E-06
317	0.02	0.000	0.035	0.0258	2.9431	.6838E-01	.5378E-06
318	0.10	0.000	0.046	0.0318	2.8238	.6761E-01	.5155E-06
319	0.02	0.000	0.043	0.0289	1.4963	.5876E-01	.2727E-06
320	0.63	0.000	0.042	0.0950	2.2189	.6356E-01	.4051E-06
321	0.40	0.000	0.055	0.0822	2.9755	.6859E-01	.5439E-06
322	0.08	0.000	0.045	0.0286	3.0493	.6906E-01	.5577E-06
323	0.00	0.000	0.025	0.0207	3.0066	.6879E-01	.5497E-06
324	0.00	0.000	0.028	0.0133	2.8977	.6809E-01	.5293E-06
325 *	0.00	0.000	0.022	0.0092	1.4981	.5814E-01	.2730E-06
326 *	0.00	0.000	0.018	0.0061	0.9204	.5399E-01	.1677E-06
327 *	0.03	0.000	0.019	0.0069	3.2420	.7030E-01	.5939E-06
328 *	0.01	0.000	0.010	0.0064	3.4315	.7152E-01	.6296E-06

329 *	0.04	0.000	0.012	0.0083	3.5961	.7258E-01	.6607E-06
330 *	0.05	0.000	0.017	0.0105	3.7407	.7351E-01	.6881E-06
331 *	0.08	0.000	0.016	0.0127	3.8594	.7428E-01	.7106E-06
332 *	0.00	0.000	0.018	0.0150	3.9571	.7491E-01	.7291E-06
333 *	0.00	0.000	0.025	0.0151	4.0371	.7542E-01	.7443E-06
334 *	0.02	0.000	0.032	0.0133	4.1018	.7584E-01	.7567E-06
335 *	0.55	0.000	0.023	0.0157	4.1551	.7618E-01	.7668E-06
336 *	0.00	0.000	0.022	0.0181	4.1922	.7642E-01	.7739E-06
337 *	0.03	0.000	0.020	0.0181	4.2171	.7658E-01	.7787E-06
338 *	0.04	0.000	0.020	0.0181	4.2320	.7668E-01	.7815E-06
339 *	0.00	0.000	0.019	0.0181	4.2381	.7672E-01	.7827E-06
340 *	0.13	0.000	0.018	0.0181	4.2364	.7671E-01	.7823E-06
341 *	0.13	0.000	0.020	0.0181	4.2277	.7665E-01	.7807E-06
342 *	0.01	0.000	0.018	0.0181	4.2125	.7655E-01	.7778E-06
343 *	0.11	0.000	0.014	0.0181	4.1914	.7642E-01	.7738E-06
344 *	0.09	0.000	0.000	0.0181	4.1649	.7625E-01	.7687E-06
345 *	0.00	0.000	0.024	0.0181	4.1336	.7604E-01	.7627E-06
346 *	0.00	0.000	0.015	0.0181	4.0977	.7581E-01	.7559E-06
347 *	0.00	0.000	0.018	0.0181	4.0578	.7556E-01	.7483E-06
348 *	0.00	0.000	0.015	0.0181	4.0141	.7527E-01	.7400E-06
349 *	0.00	0.000	0.017	0.0181	3.9671	.7497E-01	.7310E-06
350 *	0.62	0.000	0.015	0.0181	3.9170	.7465E-01	.7215E-06
351 *	0.00	0.000	0.016	0.0181	3.8641	.7431E-01	.7115E-06
352 *	0.00	0.000	0.013	0.0181	3.8087	.7395E-01	.7009E-06
353 *	0.11	0.000	0.015	0.0181	3.7509	.7358E-01	.6900E-06
354 *	0.16	0.000	0.012	0.0181	3.6911	.7319E-01	.6786E-06
355 *	0.00	0.000	0.020	0.0181	3.6293	.7280E-01	.6670E-06
356 *	0.11	0.000	0.013	0.0181	3.5658	.7239E-01	.6550E-06
357 *	0.07	0.000	0.012	0.0181	3.5008	.7197E-01	.6427E-06
358 *	0.08	0.000	0.011	0.0181	3.4344	.7154E-01	.6301E-06
359 *	0.28	0.000	0.011	0.0181	3.3667	.7111E-01	.6174E-06
360 *	0.12	0.000	0.000	0.0181	3.2978	.7066E-01	.6044E-06
361 *	0.01	0.000	0.000	0.0181	3.2280	.7021E-01	.5913E-06
362 *	0.17	0.000	0.000	0.0181	3.1573	.6976E-01	.5780E-06
363 *	0.00	0.000	0.020	0.0181	3.0858	.6930E-01	.5645E-06
364 *	0.07	0.000	0.000	0.0181	3.0136	.6883E-01	.5510E-06
365 *	0.15	0.000	0.014	0.0181	2.9407	.6836E-01	.5374E-06
366 *	0.00	0.000	0.017	0.0181	2.8674	.6789E-01	.5236E-06

MONTHLY TOTALS (IN INCHES) FOR YEAR 1996

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	3.71	2.77	2.62	3.08	1.39	4.69
	1.91	2.12	2.12	2.44	3.18	2.49
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	0.277	0.345	0.502	0.472	0.485	1.583
	1.624	1.465	0.873	0.417	0.858	0.430
SUBSURFACE INFLOW INTO LAYER 2	0.2580	0.2414	0.2580	0.2497	0.2580	0.2497
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED FROM LAYER 3	1.7933	0.6232	0.7108	3.3998	7.3394	2.7045
	2.6000	2.2905	1.0949	1.1942	1.6512	2.2811
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.0000	0.0000	0.0000	0.0001	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	2.140	0.083	0.476	9.829	7.680	6.324
	5.349	3.799	0.444	0.150	2.043	3.752
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	1.712	0.007	1.354	1.431	2.352	0.408
	0.186	0.631	0.762	0.024	1.583	0.449

ANNUAL TOTALS FOR YEAR 1996

	INCHES	CU. FEET	PERCENT
PRECIPITATION	32.52	118045.027	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.331	33871.611	28.69
SUBSURFACE INFLOW INTO LAYER 2		3.046331	11057.941 9.37
DRAINAGE COLLECTED FROM LAYER 3		27.6830	100487.040 85.13
PERC./LEAKAGE THROUGH LAYER 5		0.000242	0.877 0.00
AVG. HEAD ON TOP OF LAYER 4	3.5057		
CHANGE IN WATER STORAGE	-1.448	-5256.558	-4.45
SOIL WATER AT START OF YEAR	12.328	44751.409	
SOIL WATER AT END OF YEAR	10.698	38833.078	
SNOW WATER AT START OF YEAR	2.365	8586.503	7.27
SNOW WATER AT END OF YEAR	2.548	9248.276	7.83
ANNUAL WATER BUDGET BALANCE	0.0000	-0.002	0.00

HEAD #1: AVERAGE HEAD ON TOP OF LAYER 4
DRAIN #1: LATERAL DRAINAGE FROM LAYER 3 (RECIRCULATION AND COLLECTION)
LEAK #1: PERCOLATION OR LEAKAGE THROUGH LAYER 5

DAILY OUTPUT FOR YEAR 1997

S	DAY	A	O	RAIN	RUNOFF	ET	E. ZONE	HEAD	DRAIN	LEAK
I	I			WATER	#1	#1	#1			
R	L	IN.	IN.	IN.	IN./IN.	IN.	IN.	IN.		
-	-	-	-	-	-	-	-	-	-	-
1	*	*	0.00	0.000	0.019	0.0181	2.7936	.6742E-01	.5098E-06	
2	*	*	0.16	0.000	0.000	0.0181	2.7195	.6694E-01	.4960E-06	
3	*	*	0.02	0.000	0.019	0.0181	2.0398	.6253E-01	.3716E-06	
4	*	*	0.00	0.000	0.025	0.0181	1.3920	.5824E-01	.2532E-06	
5	*	*	0.45	0.000	0.000	0.0181	0.1924	.4955E-01	.3428E-07	
6	*	*	0.25	0.000	0.020	0.0181	0.1883	.4850E-01	.3354E-07	
7	*	*	0.18	0.000	0.017	0.0181	0.1810	.4662E-01	.3224E-07	
8	*	*	0.07	0.000	0.012	0.0181	0.1728	.4450E-01	.3078E-07	
9	*	*	0.00	0.000	0.014	0.0181	0.1648	.4244E-01	.2934E-07	
10	*	*	0.07	0.000	0.012	0.0181	0.1574	.4054E-01	.2803E-07	
11	*	*	0.40	0.000	0.011	0.0181	0.1509	.3886E-01	.2686E-07	
12	*	*	0.24	0.000	0.013	0.0181	0.1452	.3739E-01	.2585E-07	
13	*	*	0.10	0.000	0.011	0.0181	0.1402	.3612E-01	.2497E-07	
14	*	*	0.01	0.000	0.000	0.0181	0.1360	.3502E-01	.2421E-07	
15	*	*	0.00	0.000	0.009	0.0181	0.1323	.3406E-01	.2355E-07	
16	*	*	0.23	0.000	0.009	0.0181	0.1290	.3323E-01	.2297E-07	
17	*	*	0.21	0.000	0.000	0.0181	0.1262	.3249E-01	.2246E-07	
18	*	*	0.12	0.000	0.000	0.0181	0.1236	.3184E-01	.2201E-07	
19	*	*	0.03	0.000	0.000	0.0181	0.1213	.3125E-01	.2160E-07	
20	*	*	0.02	0.000	0.000	0.0181	0.1192	.3071E-01	.2123E-07	
21	*	*	0.00	0.000	0.019	0.0181	0.1173	.3022E-01	.2088E-07	
22	*	*	0.22	0.000	0.000	0.0181	0.1156	.2976E-01	.2057E-07	
23	*	*	0.57	0.000	0.000	0.0181	0.1139	.2934E-01	.2027E-07	
24	*	*	0.03	0.000	0.016	0.0181	0.1123	.2894E-01	.2000E-07	
25	*	*	0.37	0.000	0.015	0.0181	0.1109	.2856E-01	.1973E-07	

26	*	*	0.13	0.000	0.011	0.0181	0.1095	.2819E-01	.1948E-07
27	*	*	0.02	0.000	0.014	0.0181	0.1081	.2785E-01	.1924E-07
28	*	*	0.16	0.000	0.000	0.0181	0.1068	.2752E-01	.1901E-07
29	*	*	0.19	0.000	0.015	0.0181	0.1056	.2720E-01	.1879E-07
30	*	*	0.00	0.000	0.013	0.0181	0.1044	.2689E-01	.1858E-07
31	*	*	0.00	0.000	0.009	0.0181	0.1032	.2659E-01	.1838E-07
32	*	*	0.06	0.000	0.000	0.0181	0.1021	.2631E-01	.1818E-07
33	*	*	0.00	0.000	0.015	0.0181	0.1011	.2603E-01	.1798E-07
34	*	*	0.01	0.000	0.000	0.0181	0.1000	.2576E-01	.1780E-07
35	*	*	0.00	0.000	0.019	0.0181	0.0990	.2550E-01	.1762E-07
36	*	*	0.00	0.000	0.000	0.0181	0.0980	.2524E-01	.1744E-07
37	*	*	0.01	0.000	0.000	0.0181	0.0970	.2499E-01	.1727E-07
38	*	*	0.02	0.000	0.000	0.0181	0.0961	.2475E-01	.1710E-07
39	*	*	0.00	0.000	0.022	0.0181	0.0952	.2452E-01	.1694E-07
40	*	*	0.00	0.000	0.019	0.0181	0.0943	.2429E-01	.1678E-07
41	*	*	0.00	0.000	0.016	0.0181	0.0934	.2407E-01	.1663E-07
42	*	*	0.03	0.000	0.016	0.0181	0.0926	.2385E-01	.1648E-07
43	*	*	0.10	0.000	0.011	0.0181	0.0918	.2364E-01	.1633E-07
44	*	*	0.04	0.000	0.014	0.0181	0.0910	.2343E-01	.1619E-07
45	*	*	0.00	0.000	0.022	0.0181	0.0902	.2323E-01	.1605E-07
46	*	*	0.07	0.000	0.000	0.0181	0.0894	.2304E-01	.1592E-07
47	*	*	0.03	0.000	0.012	0.0181	0.0887	.2285E-01	.1578E-07
48	*	*	0.01	0.000	0.011	0.0181	0.0880	.2266E-01	.1565E-07
49	*	*	0.03	0.000	0.010	0.0181	0.0873	.2248E-01	.1553E-07
50	*	*	0.00	0.000	0.009	0.0181	0.0866	.2230E-01	.1540E-07
51	*	*	0.04	0.000	0.011	0.0181	0.0859	.2212E-01	.1528E-07
52	*	*	0.00	0.000	0.011	0.0181	0.0852	.2195E-01	.1517E-07
53	*	*	0.00	0.000	0.014	0.0181	0.0846	.2179E-01	.1505E-07
54	*	*	0.00	0.000	0.018	0.0181	0.0840	.2162E-01	.1494E-07
55	*	*	0.04	0.000	0.000	0.0181	0.0833	.2146E-01	.1483E-07
56	*	*	0.00	0.000	0.000	0.0181	0.0827	.2131E-01	.1472E-07
57	*	*	0.00	0.000	0.000	0.0181	0.0821	.2116E-01	.1461E-07
58	*	*	0.00	0.000	0.041	0.0181	0.0816	.2101E-01	.1451E-07
59	*	*	0.00	0.000	0.000	0.1213	0.0810	.2086E-01	.1441E-07
60	*	*	0.05	0.000	0.000	0.2543	0.0804	.2072E-01	.1431E-07
61	*	*	0.36	0.000	0.030	0.2598	0.0799	.2058E-01	.1421E-07
62	*	*	0.08	0.000	0.000	0.3147	0.0794	.2044E-01	.1412E-07
63	*	*	0.00	0.000	0.000	0.3500	0.0789	.2031E-01	.1403E-07
64	*	*	0.13	0.000	0.000	0.3500	0.0768	.1978E-01	.1366E-07
65	*	*	0.01	0.000	0.000	0.3500	0.0727	.1872E-01	.1293E-07
66	*	*	0.03	0.000	0.027	0.3500	0.0745	.1920E-01	.1326E-07
67	*	*	0.00	0.000	0.029	0.3500	0.0780	.2010E-01	.1389E-07
68	*	*	0.00	0.000	0.036	0.3500	0.0811	.2089E-01	.1443E-07
69	*	*	0.34	0.000	0.035	0.3500	0.0830	.2137E-01	.1476E-07
70	*	*	0.00	0.000	0.036	0.3500	0.0836	.2153E-01	.1487E-07
71	*	*	0.00	0.000	0.000	0.3500	0.0844	.2173E-01	.1501E-07
72	*	*	0.00	0.000	0.029	0.3500	0.0817	.2105E-01	.1454E-07
73	*	*	0.06	0.000	0.000	0.3500	0.0790	.2035E-01	.1406E-07
74	*	*	0.40	0.000	0.020	0.3500	0.0765	.1972E-01	.1362E-07
75	*	*	0.04	0.000	0.000	0.3500	0.0767	.1975E-01	.1364E-07
76	*	*	0.07	0.000	0.025	0.3500	0.0762	.1963E-01	.1356E-07
77	*	*	0.00	0.000	0.011	0.3500	0.0740	.1907E-01	.1317E-07
78	*	*	0.00	0.000	0.022	0.3500	0.0708	.1824E-01	.1260E-07
79	*	*	0.00	0.000	0.015	0.3500	0.0586	.1509E-01	.1042E-07
80	*	*	0.07	0.000	0.017	0.3500	0.0426	.1097E-01	.7659E-08
81	*	*	0.01	0.000	0.000	0.3500	0.0310	.7975E-02	.6990E-08
82	*	*	0.03	0.000	0.000	0.3500	0.0253	.6526E-02	.6956E-08
83	*	*	0.00	0.000	0.000	0.3500	0.0345	.8898E-02	.7065E-08
84	*	*	0.16	0.000	0.000	0.3500	0.0545	.1405E-01	.9699E-08
85	*	*	0.29	0.000	0.026	0.3500	0.0787	.2028E-01	.1401E-07
86	*	*	0.00	0.000	0.023	0.3500	0.1025	.2640E-01	.1824E-07
87	*	*	0.00	0.000	0.030	0.3500	0.1233	.3177E-01	.2196E-07
88	*	*	0.00	0.000	0.024	0.3500	0.1403	.3613E-01	.2497E-07
89	*	*	0.00	0.000	0.016	0.3500	0.1532	.3946E-01	.2728E-07
90	*	*	0.00	0.000	0.000	0.3500	0.1626	.4188E-01	.2896E-07
91	*	*	0.00	0.000	0.000	0.3500	0.1653	.4258E-01	.2944E-07
92	*	*	0.00	0.000	0.000	0.3500	0.1712	.4409E-01	.3049E-07
93	*	*	0.00	0.000	0.000	0.3500	0.1861	.4794E-01	.3316E-07
94	*	*	0.00	0.000	0.000	0.3500	0.1919	.4943E-01	.3419E-07
95	*	*	0.05	0.000	0.082	0.3500	0.1930	.4972E-01	.3439E-07
96	*	*	0.13	0.000	0.067	0.3500	0.1759	.4530E-01	.3133E-07
97	*	*	0.01	0.000	0.055	0.3500	0.1514	.3900E-01	.2696E-07
98	*	*	0.04	0.000	0.044	0.3500	0.9808	.4334E-01	.1795E-06
99	*	*	0.04	0.000	0.000	0.3500	3.8676	.7433E-01	.7121E-06
100	*	*	0.00	0.000	0.054	0.3500	4.3285	.7730E-01	.8000E-06
101	*	*	0.00	0.000	0.000	0.3500	4.6997	.7969E-01	.8711E-06
102	*	*	0.00	0.000	0.000	0.3500	5.0016	.8163E-01	.9293E-06
103	*	*	0.00	0.000	0.000	0.3500	5.2352	.8314E-01	.9744E-06
104	*	*	0.00	0.000	0.000	0.3500	5.4228	.8435E-01	.1011E-05
105	*	*	0.00	0.000	0.000	0.3500	5.5728	.8531E-01	.1040E-05
106	*	*	0.00	0.000	0.000	0.3500	5.6914	.8608E-01	.1063E-05
107	*	*	0.01	0.000	0.004	0.3500	5.7839	.8667E-01	.1081E-05

108	*	0.00	0.000	0.000	0.3500	5.8611	.8717E-01	.1096E-05
109	*	0.00	0.000	0.000	0.3500	5.9109	.8749E-01	.1106E-05
110	*	0.00	0.000	0.000	0.3500	5.9415	.8769E-01	.1112E-05
111	*	0.00	0.000	0.000	0.3500	5.9581	.8779E-01	.1115E-05
112	*	0.00	0.000	0.000	0.3500	5.9626	.8782E-01	.1116E-05
113	*	0.00	0.000	0.000	0.3500	5.9564	.8778E-01	.1115E-05
114	*	0.00	0.000	0.000	0.3500	5.9406	.8768E-01	.1112E-05
115	*	0.00	0.000	0.000	0.3500	5.9164	.8752E-01	.1107E-05
116	*	0.00	0.000	0.000	0.3500	5.8846	.8732E-01	.1101E-05
117	*	0.00	0.000	0.000	0.3500	5.8462	.8707E-01	.1093E-05
118	*	0.02	0.000	0.004	0.3500	5.8010	.8678E-01	.1084E-05
119	*	0.00	0.000	0.000	0.3500	5.7545	.8648E-01	.1075E-05
120	*	0.06	0.000	0.004	0.3500	5.7000	.8613E-01	.1065E-05
121	*	0.00	0.000	0.000	0.3500	5.6447	.8577E-01	.1054E-05
122	*	0.00	0.000	0.000	0.3500	5.5771	.8534E-01	.1041E-05
123	*	0.00	0.000	0.000	0.3500	5.4982	.8483E-01	.1025E-05
124	*	0.00	0.000	0.000	0.3500	5.4173	.8431E-01	.1010E-05
125	*	0.00	0.000	0.000	0.3500	5.3361	.8379E-01	.9940E-06
126	*	0.03	0.000	0.004	0.3500	5.2529	.8325E-01	.9779E-06
127		0.00	0.000	0.047	0.0005	5.1856	.8282E-01	.9648E-06
128		0.11	0.000	0.044	0.0088	5.4359	.8443E-01	.1013E-05
129		0.37	0.000	0.055	0.0476	6.0730	.8853E-01	.1138E-05
130		0.35	0.000	0.154	0.0601	6.5548	.9164E-01	.1232E-05
131		0.00	0.000	0.143	0.0337	6.9217	.9400E-01	.1305E-05
132		0.15	0.000	0.130	0.0323	7.2072	.9584E-01	.1362E-05
133		0.41	0.000	0.093	0.0697	7.4173	.9719E-01	.1404E-05
134		0.00	0.000	0.091	0.0347	7.5746	.9820E-01	.1435E-05
135		0.09	0.000	0.100	0.0302	7.6919	.9896E-01	.1459E-05
136		0.06	0.000	0.130	0.0174	7.7765	.9950E-01	.1476E-05
137		0.16	0.000	0.114	0.0186	7.8317	.9986E-01	.1487E-05
138		0.00	0.000	0.100	0.0061	7.8563	.1000	.1492E-05
139		0.00	0.000	0.030	0.0023	7.8087	.9971E-01	.1482E-05
140		0.36	0.000	0.065	0.0382	7.7690	.9945E-01	.1474E-05
141		0.01	0.000	0.092	0.0280	7.7463	.9931E-01	.1469E-05
142		0.00	0.000	0.045	0.0193	7.7080	.9906E-01	.1462E-05
143		0.00	0.000	0.041	0.0097	7.6826	.9890E-01	.1457E-05
144		0.00	0.000	0.035	0.0006	7.6567	.9873E-01	.1452E-05
145		0.02	0.000	0.007	0.0020	7.6153	.9846E-01	.1443E-05
146		0.00	0.000	0.006	0.0011	7.5136	.9781E-01	.1423E-05
147		0.00	0.000	0.002	0.0005	7.4052	.9711E-01	.1401E-05
148		0.00	0.000	0.000	0.0005	7.3167	.9654E-01	.1384E-05
149		0.00	0.000	0.000	0.0005	7.2346	.9601E-01	.1367E-05
150		0.00	0.000	0.000	0.0005	7.1562	.9551E-01	.1352E-05
151		0.00	0.000	0.000	0.0005	7.0795	.9501E-01	.1336E-05
152		0.00	0.000	0.000	0.0005	7.0026	.9452E-01	.1321E-05
153		0.00	0.000	0.000	0.0005	6.9245	.9402E-01	.1306E-05
154		0.00	0.000	0.000	0.0005	6.8447	.9350E-01	.1290E-05
155		0.00	0.000	0.000	0.0005	6.7629	.9298E-01	.1274E-05
156		0.00	0.000	0.000	0.0005	6.6791	.9244E-01	.1257E-05
157		0.00	0.000	0.000	0.0005	6.5933	.9188E-01	.1240E-05
158		0.00	0.000	0.000	0.0005	6.5056	.9132E-01	.1223E-05
159		0.00	0.000	0.000	0.0005	6.4161	.9074E-01	.1205E-05
160		0.00	0.000	0.000	0.0005	6.3248	.9015E-01	.1187E-05
161		0.00	0.000	0.000	0.0005	6.2320	.8956E-01	.1169E-05
162		0.00	0.000	0.000	0.0005	6.1378	.8895E-01	.1150E-05
163		0.00	0.000	0.000	0.0005	6.0423	.8834E-01	.1132E-05
164		0.00	0.000	0.000	0.0005	5.9457	.8771E-01	.1113E-05
165		0.00	0.000	0.000	0.0005	5.8480	.8708E-01	.1094E-05
166		0.00	0.000	0.000	0.0005	5.7494	.8645E-01	.1074E-05
167		0.33	0.000	0.009	0.0403	5.6498	.8581E-01	.1055E-05
168		0.05	0.000	0.014	0.0276	5.5506	.8517E-01	.1036E-05
169		0.08	0.000	0.017	0.0267	5.4527	.8454E-01	.1017E-05
170		0.27	0.000	0.017	0.0566	5.3729	.8402E-01	.1001E-05
171		0.00	0.000	0.161	0.0301	5.2482	.8322E-01	.9770E-06
172		0.00	0.000	0.014	0.0253	5.1263	.8244E-01	.9533E-06
173		0.00	0.000	0.012	0.0208	4.9912	.8157E-01	.9272E-06
174		0.00	0.000	0.012	0.0158	4.8472	.8064E-01	.8995E-06
175		0.16	0.000	0.019	0.0327	4.7117	.7977E-01	.8734E-06
176		0.85	0.000	0.208	0.1123	4.5627	.7881E-01	.8448E-06
177		0.00	0.000	0.155	0.0345	4.4082	.7781E-01	.8152E-06
178		0.00	0.000	0.165	0.0005	4.2884	.7704E-01	.7923E-06
179		0.00	0.000	0.000	0.0005	4.1673	.7626E-01	.7692E-06
180		0.00	0.000	0.000	0.0005	4.0245	.7534E-01	.7419E-06
181		0.00	0.000	0.000	0.0005	3.8702	.7435E-01	.7126E-06
182		0.03	0.000	0.008	0.0029	3.7231	.7340E-01	.6847E-06
183		0.00	0.000	0.015	0.0005	3.6229	.7276E-01	.6658E-06
184		0.42	0.000	0.021	0.0504	3.5690	.7241E-01	.6555E-06
185		0.25	0.000	0.036	0.0523	3.5231	.7211E-01	.6469E-06
186		0.00	0.000	0.152	0.0143	3.4912	.7191E-01	.6409E-06
187		0.17	0.000	0.042	0.0299	3.4588	.7170E-01	.6347E-06
188		0.00	0.000	0.184	0.0063	3.3621	.7108E-01	.6165E-06
189		0.00	0.000	0.023	0.0024	3.2293	.7022E-01	.5915E-06

190	0.06	0.000	0.016	0.0070	3.1317	.6959E-01	.5732E-06
191	0.00	0.000	0.019	0.0046	3.0837	.6928E-01	.5641E-06
192	0.00	0.000	0.022	0.0019	3.0389	.6899E-01	.5557E-06
193	0.00	0.000	0.008	0.0005	3.0011	.6875E-01	.5487E-06
194	0.00	0.000	0.000	0.0005	2.9752	.6858E-01	.5438E-06
195	0.00	0.000	0.000	0.0005	2.9483	.6841E-01	.5388E-06
196	0.00	0.000	0.000	0.0005	2.9194	.6823E-01	.5334E-06
197	0.00	0.000	0.000	0.0005	2.8896	.6803E-01	.5278E-06
198	0.05	0.000	0.008	0.0058	2.8586	.6783E-01	.5220E-06
199	0.46	0.000	0.029	0.0594	2.8261	.6762E-01	.5159E-06
200	0.00	0.000	0.109	0.0170	2.7911	.6740E-01	.5094E-06
201	0.00	0.000	0.092	0.0053	2.1332	.6290E-01	.3891E-06
202	0.41	0.000	0.104	0.0423	2.7386	.6706E-01	.4996E-06
203	0.10	0.000	0.178	0.0303	2.6416	.6644E-01	.4815E-06
204	0.00	0.000	0.132	0.0108	0.7872	.5406E-01	.1428E-06
205	0.00	0.000	0.043	0.0014	0.1871	.4820E-01	.3334E-07
206	0.00	0.000	0.004	0.0005	0.1715	.4417E-01	.3054E-07
207	0.13	0.000	0.044	0.0112	0.1774	.4569E-01	.3160E-07
208	0.00	0.000	0.033	0.0071	0.1753	.4515E-01	.3122E-07
209	0.00	0.000	0.033	0.0027	0.1635	.4212E-01	.2912E-07
210	0.00	0.000	0.009	0.0015	0.1493	.3845E-01	.2658E-07
211	0.00	0.000	0.004	0.0005	0.1401	.3609E-01	.2494E-07
212	0.00	0.000	0.000	0.0005	0.1351	.3480E-01	.2405E-07
213	0.00	0.000	0.000	0.0005	0.1389	.3578E-01	.2473E-07
214	0.00	0.000	0.000	0.0005	0.1452	.3740E-01	.2585E-07
215	0.00	0.000	0.000	0.0005	0.1513	.3898E-01	.2695E-07
216	0.00	0.000	0.000	0.0005	0.1567	.4035E-01	.2790E-07
217	0.02	0.000	0.013	0.0013	0.1611	.4149E-01	.2868E-07
218	0.00	0.000	0.003	0.0005	0.1648	.4246E-01	.2936E-07
219	0.00	0.000	0.000	0.0005	0.1654	.4261E-01	.2947E-07
220	0.00	0.000	0.000	0.0005	0.1683	.4335E-01	.2998E-07
221	0.00	0.000	0.000	0.0005	0.1704	.4390E-01	.3036E-07
222	0.07	0.000	0.011	0.0079	0.1710	.4406E-01	.3047E-07
223	0.00	0.000	0.033	0.0037	0.1705	.4392E-01	.3037E-07
224	0.00	0.000	0.014	0.0020	0.1692	.4358E-01	.3013E-07
225	0.00	0.000	0.006	0.0005	0.1677	.4320E-01	.2987E-07
226	0.00	0.000	0.000	0.0005	0.1646	.4241E-01	.2932E-07
227	0.40	0.000	0.042	0.0452	0.1629	.4196E-01	.2902E-07
228	0.57	0.000	0.080	0.0844	0.1615	.4159E-01	.2876E-07
229	0.01	0.000	0.119	0.0213	0.1565	.4030E-01	.2786E-07
230	0.00	0.000	0.126	0.0033	0.1533	.3948E-01	.2729E-07
231	0.00	0.000	0.012	0.0005	0.1601	.4123E-01	.2851E-07
232	0.02	0.000	0.020	0.0005	0.1657	.4268E-01	.2951E-07
233	0.73	0.000	0.089	0.0806	0.1711	.4408E-01	.3048E-07
234	0.00	0.000	0.082	0.0317	0.1659	.4274E-01	.2955E-07
235	0.00	0.000	0.051	0.0051	0.1427	.3674E-01	.2540E-07
236	0.00	0.000	0.019	0.0005	0.1171	.3016E-01	.2084E-07
237	0.00	0.000	0.000	0.0005	0.1153	.2969E-01	.2052E-07
238	0.01	0.000	0.010	0.0005	0.1221	.3145E-01	.2173E-07
239	0.00	0.000	0.000	0.0005	0.1166	.3003E-01	.2076E-07
240	0.00	0.000	0.000	0.0005	0.0927	.2388E-01	.1650E-07
241	0.00	0.000	0.000	0.0005	0.0702	.1809E-01	.1249E-07
242	0.00	0.000	0.000	0.0005	0.0636	.1638E-01	.1131E-07
243	0.05	0.000	0.013	0.0051	0.0729	.1878E-01	.1297E-07
244	0.00	0.000	0.016	0.0020	0.0927	.2387E-01	.1649E-07
245	0.00	0.000	0.008	0.0005	0.1123	.2893E-01	.1999E-07
246	0.00	0.000	0.000	0.0005	0.1344	.3462E-01	.2393E-07
247	0.00	0.000	0.000	0.0005	0.1586	.4084E-01	.2824E-07
248	0.00	0.000	0.000	0.0005	0.1752	.4513E-01	.3121E-07
249	0.06	0.000	0.011	0.0066	0.1851	.4768E-01	.3298E-07
250	0.00	0.000	0.010	0.0053	0.1905	.4907E-01	.3394E-07
251	0.00	0.000	0.015	0.0035	0.1931	.4974E-01	.3441E-07
252	0.00	0.000	0.010	0.0019	0.1941	.4999E-01	.3458E-07
253	0.26	0.000	0.022	0.0313	0.1934	.4982E-01	.3446E-07
254	0.00	0.000	0.016	0.0291	0.1907	.4912E-01	.3398E-07
255	0.00	0.000	0.015	0.0272	0.1902	.4900E-01	.3389E-07
256	0.00	0.000	0.016	0.0246	0.1901	.4896E-01	.3387E-07
257	0.00	0.000	0.015	0.0201	0.1890	.4869E-01	.3368E-07
258	0.00	0.000	0.010	0.0174	0.1846	.4756E-01	.3289E-07
259	0.11	0.000	0.024	0.0270	0.1805	.4648E-01	.3215E-07
260	0.88	0.000	0.023	0.1327	0.1774	.4571E-01	.3161E-07
261	0.15	0.000	0.076	0.0675	0.1742	.4486E-01	.3102E-07
262	2.16	0.000	0.114	0.1447	0.1685	.4341E-01	.3002E-07
263	0.10	0.000	0.074	0.0271	0.1781	.4587E-01	.3172E-07
264	0.07	0.000	0.095	0.0237	0.1862	.4797E-01	.3318E-07
265	0.00	0.000	0.116	0.0087	0.1812	.4667E-01	.3228E-07
266	0.02	0.000	0.069	0.0022	0.1346	.3467E-01	.2397E-07
267	0.00	0.000	0.009	0.0005	0.9497	.4736E-01	.1735E-06
268	0.00	0.000	0.000	0.0005	3.5254	.7213E-01	.6473E-06
269	0.00	0.000	0.000	0.0005	3.7750	.7374E-01	.6946E-06
270	0.00	0.000	0.000	0.0005	3.9855	.7509E-01	.7345E-06
271	0.16	0.000	0.036	0.0160	4.1612	.7622E-01	.7680E-06

272	0.11	0.000	0.042	0.0243	4.3066	.7716E-01	.7958E-06
273	0.36	0.000	0.068	0.0608	4.4267	.7793E-01	.8187E-06
274	0.03	0.000	0.065	0.0388	4.5250	.7856E-01	.8376E-06
275	0.00	0.000	0.083	0.0252	4.5977	.7903E-01	.8515E-06
276	0.00	0.000	0.072	0.0118	4.6074	.7910E-01	.8534E-06
277	0.00	0.000	0.052	0.0005	4.6176	.7916E-01	.8553E-06
278	0.00	0.000	0.000	0.0005	4.6127	.7913E-01	.8544E-06
279	0.38	0.000	0.037	0.0433	4.5527	.7874E-01	.8429E-06
280	0.08	0.000	0.059	0.0261	4.5313	.7860E-01	.8388E-06
281	0.00	0.000	0.066	0.0145	4.5493	.7872E-01	.8422E-06
282	0.20	0.000	0.074	0.0275	4.5016	.7841E-01	.8331E-06
283	0.02	0.000	0.079	0.0184	4.4154	.7786E-01	.8166E-06
284	0.00	0.000	0.055	0.0109	4.3615	.7751E-01	.8062E-06
285	0.20	0.000	0.077	0.0258	4.3315	.7732E-01	.8005E-06
286	0.10	0.000	0.047	0.0322	4.3188	.7724E-01	.7981E-06
287 *	0.28	0.000	0.029	0.0342	4.3127	.7720E-01	.7969E-06
288 *	0.25	0.000	0.030	0.0367	4.3120	.7719E-01	.7968E-06
289	0.00	0.000	0.032	0.0388	4.3017	.7713E-01	.7948E-06
290 *	0.00	0.000	0.030	0.0413	4.2929	.7707E-01	.7931E-06
291	0.00	0.000	0.039	0.0645	4.2782	.7698E-01	.7903E-06
292	0.00	0.000	0.046	0.0305	4.2643	.7689E-01	.7877E-06
293	0.07	0.000	0.060	0.0274	4.2627	.7688E-01	.7874E-06
294	0.00	0.000	0.062	0.0149	4.1717	.7629E-01	.7700E-06
295 *	0.16	0.000	0.024	0.0137	4.0410	.7545E-01	.7451E-06
296	0.01	0.000	0.033	0.0243	3.9311	.7474E-01	.7242E-06
297	0.00	0.000	0.058	0.0163	3.8367	.7413E-01	.7063E-06
298	0.00	0.000	0.035	0.0109	3.7708	.7371E-01	.6938E-06
299 *	0.00	0.000	0.026	0.0073	3.7405	.7351E-01	.6880E-06
300 *	0.00	0.000	0.000	0.0073	3.7179	.7337E-01	.6837E-06
301 *	0.00	0.000	0.000	0.0073	3.6945	.7322E-01	.6793E-06
302 *	0.00	0.000	0.000	0.0073	3.6725	.7308E-01	.6751E-06
303 *	0.00	0.000	0.000	0.0073	3.6517	.7294E-01	.6712E-06
304 *	0.20	0.000	0.020	0.0098	3.6301	.7280E-01	.6671E-06
305 *	0.04	0.000	0.020	0.0122	3.6065	.7265E-01	.6626E-06
306 *	0.28	0.000	0.019	0.0147	3.5803	.7248E-01	.6577E-06
307 *	0.06	0.000	0.021	0.0172	3.5511	.7229E-01	.6522E-06
308 **	0.31	0.000	0.019	0.0172	3.5190	.7209E-01	.6461E-06
309 **	0.00	0.000	0.026	0.0172	3.4839	.7186E-01	.6395E-06
310 **	0.00	0.000	0.018	0.0172	3.4459	.7162E-01	.6323E-06
311 **	0.00	0.000	0.027	0.0172	3.4052	.7135E-01	.6246E-06
312 **	0.00	0.000	0.023	0.0172	3.3618	.7107E-01	.6164E-06
313 **	0.03	0.000	0.000	0.0172	3.3160	.7078E-01	.6078E-06
314 **	0.08	0.000	0.018	0.0172	3.2679	.7047E-01	.5988E-06
315 **	0.28	0.000	0.000	0.0172	3.2177	.7015E-01	.5893E-06
316 *	0.10	0.000	0.000	0.1198	3.1655	.6981E-01	.5795E-06
317 *	0.04	0.000	0.000	0.1583	3.1115	.6946E-01	.5694E-06
318 *	0.00	0.000	0.000	0.1583	3.0558	.6910E-01	.5589E-06
319 *	0.09	0.000	0.005	0.1689	2.9986	.6874E-01	.5482E-06
320 **	0.05	0.000	0.025	0.1689	2.9399	.6836E-01	.5372E-06
321 **	0.00	0.000	0.021	0.1689	2.8800	.6797E-01	.5260E-06
322 **	0.00	0.000	0.004	0.1689	2.8189	.6758E-01	.5146E-06
323 **	0.10	0.000	0.030	0.1689	2.7567	.6718E-01	.5030E-06
324 *	0.02	0.000	0.031	0.1763	2.6936	.6677E-01	.4912E-06
325 **	0.03	0.000	0.030	0.1763	1.4189	.5840E-01	.2582E-06
326 **	0.00	0.000	0.000	0.1763	0.7978	.5413E-01	.1448E-06
327 *	0.44	0.000	0.005	0.2306	0.1945	.5009E-01	.3465E-07
328 *	0.06	0.000	0.005	0.2375	0.1902	.4900E-01	.3389E-07
329 *	0.03	0.000	0.005	0.2406	0.1841	.4741E-01	.3279E-07
330 *	0.00	0.000	0.000	0.2406	0.1774	.4569E-01	.3160E-07
331 **	0.00	0.000	0.000	0.2406	0.1709	.4403E-01	.3045E-07
332 **	0.00	0.000	0.000	0.2406	0.1650	.4249E-01	.2938E-07
333 *	0.00	0.000	0.000	0.2406	0.1596	.4110E-01	.2842E-07
334 *	0.00	0.000	0.000	0.2406	0.1548	.3986E-01	.2756E-07
335 *	0.00	0.000	0.000	0.2406	0.1505	.3876E-01	.2680E-07
336 *	0.00	0.000	0.000	0.2406	0.1467	.3778E-01	.2612E-07
337 *	0.00	0.000	0.000	0.2406	0.1433	.3690E-01	.2551E-07
338 **	0.14	0.000	0.019	0.2406	0.1402	.3611E-01	.2496E-07
339 **	0.25	0.000	0.014	0.2406	0.1374	.3538E-01	.2446E-07
340 **	0.26	0.000	0.011	0.2406	0.1348	.3472E-01	.2400E-07
341 **	0.22	0.000	0.015	0.2406	0.1324	.3410E-01	.2357E-07
342 **	0.00	0.000	0.014	0.2406	0.1301	.3352E-01	.2317E-07
343 **	0.00	0.000	0.010	0.2406	0.1280	.3298E-01	.2280E-07
344 **	0.00	0.000	0.010	0.2406	0.1261	.3247E-01	.2244E-07
345 **	0.00	0.000	0.011	0.2406	0.1242	.3198E-01	.2210E-07
346 **	0.00	0.000	0.000	0.2406	0.1224	.3152E-01	.2178E-07
347 **	0.00	0.000	0.016	0.2406	0.1206	.3108E-01	.2148E-07
348 **	0.00	0.000	0.000	0.2406	0.1190	.3065E-01	.2118E-07
349 **	0.00	0.000	0.023	0.2406	0.1174	.3024E-01	.2090E-07
350 **	0.00	0.000	0.017	0.2406	0.1159	.2985E-01	.2063E-07
351 **	0.00	0.000	0.019	0.2406	0.1144	.2947E-01	.2036E-07
352 **	0.00	0.000	0.024	0.2406	0.1130	.2910E-01	.2011E-07
353 **	0.00	0.000	0.031	0.2406	0.1116	.2875E-01	.1986E-07

354	*	*	0.00	0.000	0.020	0.2406	0.1103	.2840E-01	.1963E-07
355	*	*	0.00	0.000	0.020	0.2406	0.1090	.2807E-01	.1940E-07
356	*	*	0.00	0.000	0.020	0.2406	0.1077	.2774E-01	.1917E-07
357	*	*	0.00	0.000	0.021	0.2406	0.1065	.2743E-01	.1895E-07
358	*	*	0.00	0.000	0.023	0.2406	0.1053	.2713E-01	.1874E-07
359	*	*	0.00	0.000	0.026	0.2406	0.1042	.2683E-01	.1854E-07
360	*	*	0.00	0.000	0.025	0.2406	0.1031	.2654E-01	.1834E-07
361	*	*	0.04	0.000	0.015	0.2406	0.1020	.2627E-01	.1815E-07
362	*	*	0.00	0.000	0.013	0.2406	0.1009	.2599E-01	.1796E-07
363	*	*	0.18	0.000	0.012	0.2406	0.0999	.2573E-01	.1778E-07
364	*	*	0.11	0.000	0.000	0.2406	0.0989	.2547E-01	.1760E-07
365	*	*	0.06	0.000	0.000	0.2406	0.0979	.2522E-01	.1743E-07

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	4.25	0.49	2.13	0.36	2.12	1.74
	2.08	1.88	4.44	1.98	2.04	1.26
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	0.303	0.292	0.450	0.314	1.528	0.802
	1.367	0.743	0.911	1.291	0.353	0.430
SUBSURFACE INFLOW INTO LAYER 2	0.2580	0.2331	0.2580	0.2497	0.2580	0.2497
	0.2580	0.2580	0.2497	0.2580	0.2497	0.2580
LATERAL DRAINAGE COLLECTED FROM LAYER 3	1.1793	0.6522	0.6426	2.2346	2.9099	2.5664
	1.9134	1.1527	1.5183	2.3719	1.8740	0.9462
PERCOLATION/LEAKAGE THROUGH LAYER 5	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	0.404	0.090	0.080	4.142	6.901	5.609
	2.259	0.144	0.970	4.207	2.260	0.118
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.747	0.006	0.031	2.425	0.969	0.943
	1.361	0.032	1.569	0.337	1.405	0.015

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	8.785	31890.379	35.47
SUBSURFACE INFLOW INTO LAYER 2	3.038008	11027.728	12.26
DRAINAGE COLLECTED FROM LAYER 3	19.9616	72459.089	80.59
PERC./LEAKAGE THROUGH LAYER 5	0.000154	0.560	0.00
AVG. HEAD ON TOP OF LAYER 4	2.2655		
CHANGE IN WATER STORAGE	-0.939	-3409.158	-3.79
SOIL WATER AT START OF YEAR	10.698	38833.078	

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	9.459 (0.6958)	34336.34	32.257
SUBSURFACE INFLOW INTO LAYER 2	3.03801	11027.728	10.36004
LATERAL DRAINAGE COLLECTED FROM LAYER 3	23.11403 (3.95659)	83902.100	78.82214
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00020 (0.00005)	0.744	0.00070
AVERAGE HEAD ON TOP OF LAYER 4	2.982 (0.681)		
CHANGE IN WATER STORAGE	-0.209 (1.7543)	-757.98	-0.712

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYY)

	(INCHES)	(CU. FT.)	
PRECIPITATION	3.23	11724.64445	2421995
RUNOFF	0.000	0.00000	0
DRAINAGE COLLECTED FROM LAYER 3	4.43777	16108.75142	1301996
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.000002	0.00872	1311991
AVERAGE HEAD ON TOP OF LAYER 4	12.689		
MAXIMUM HEAD ON TOP OF LAYER 4	19.710		
LOCATION OF MAXIMUM HEAD IN LAYER 3 (DISTANCE FROM DRAIN)	74.4 FEET		
SNOW WATER	8.77	31822.5987	771996
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3500	
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.0005	

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
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1	10.1455	0.0423
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2	0.9778	0.0815
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3	0.0837	0.4254
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4	0.0000	0.0000
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5	0.2700	0.7500
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SNOW WATER	0.830	
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Case 3

Project : KEMC TDRSA LINER with GeoNet with HDPE geomembrane and GCL

This project is prepared to check head build-up and lateral drainage in drainage layer. Geomembrane properties are set to lead to no percolation, and top (rock) layer has no slope and is left open – so runoff is also avoided. Side-slope flow contributions are considered by applying the flow input as a subsurface inflow to the GeoNet.

Jerry Eykholt, PhD, PE

Foth & Van Dyke and Assoc.

Model : HELP

An US EPA model for predicting landfill hydrologic processes and testing of effectiveness of landfill designs

Location : KEMC site, near Marquette, Michigan

Uses daily precipitation and temperature data for Houghton FAA for period of 1991 – 1997.

10/18/2005

1. Profile. TDRSA with sand drainage layer, GeoNet, HDPE liner and GCL.

Model Settings

[HELP] Case Settings

Parameter	Value	Units
Runoff Method	Model calculated	(-)
Initial Moisture Settings	Model calculated	(-)

[HELP] Surface Water Settings

Parameter	Value	Units
Runoff Area	0	(%%)
Vegetation Class	Bare soil	(-)

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
 Development Rock	0.0000	-20.0000	20.0000
 Sand	-20.0000	-21.0000	1.0000
 Drainage Net (0.6cm)	-21.0000	-21.0197	0.0197
 High Density Polyethylene	-21.0192	-21.0225	0.0033
 Bentonite	-21.0225	-21.0525	0.0300

1.1. Layer. Development Rock

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 0.0100
Bottom Slope : 2.0000

[HELP] Vertical Perc. Layer Parameters

Parameter	Value	Units
total porosity	.35	(vol/vol)
field capacity	.001	(vol/vol)
wilting point	.0005	(vol/vol)
sat.hydr.conductivity	10	(cm/sec)
subsurface inflow	0	(mm/year)

1.2. Layer. Sand

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Lateral Drainage Layer Parameters

Parameter	Value	Units
total porosity	0.437	(vol/vol)
field capacity	.005	(vol/vol)
wilting point	.001	(vol/vol)
sat.hydr.conductivity	0.01 - 0.00001	(cm/sec)
subsurface inflow	0	(mm/year)

Note: Peak heads and lateral drainage flows were greatest for high K (0.01 cm/s).

1.3. Layer. Drainage Net (0.6cm)

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Geotextiles and Geonets Parameters

Parameter	Value	Units
total porosity	0.85	(vol/vol)
field capacity	0.01	(vol/vol)
wilting point	0.005	(vol/vol)
sat.hydr.conductivity	16.7	(cm/sec)
subsurface inflow	0, 11000-895	(mm/year)

Notes: Visual HELP limits selection of thickness to either 0.5 cm or 0.6 cm. GeoNet thickness is 0.77 cm, so input for K was selected that gave the equivalent transmissivity of $1.0 \times 10^{-3} \text{ m}^2/\text{s}$ with a thickness of 0.60 cm. Subsurface inflow was selected as zero to ignore flow contributions from 50 ft. side slope at 3:1. Other values for inflow correspond to peak daily lateral drainage from 50 ft. slope, corrected for uniform input to 176 ft. slope. Range of inflow values correspond to sand K of $1 \times 10^{-2} \text{ cm/s}$ (11,000 mm/yr) to $1 \times 10^{-5} \text{ cm/s}$ (895 mm/yr). Note that inflow setting had little impact on peak heads.

1.4. Layer. High Density Polyethylene

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Geomembrane Liner Parameters

Parameter	Value	Units
sat.hydr.conductivity	2E-13	(cm/sec)
pinhole density	0	(#/ha)
installation defects	0	(#/ha)
placement quality	1	(-)
geotextile transmissivity	0	(cm ² /sec)

Note: Perfect HDPE liner characteristics and placement quality were selected to greatly minimize percolation – so that estimates for drainage and head buildup within the drainage layers would be conservative.

1.5. Layer. Bentonite

Top Slope Length: 176.0000
Bottom Slope Length: 176.0000
Top Slope: 2.0000
Bottom Slope : 2.0000

[HELP] Barrier Soil Liner Parameters

Parameter	Value	Units
total porosity	0.75	(vol/vol)
field capacity	0.747	(vol/vol)
wilting point	0.4	(vol/vol)
sat.hydr.conductivity	3E-9	(cm/sec)
subsurface inflow	0	(mm/year)

215	0.00	0.000	0.000	0.0005	0.0022	.2319E-01	.6803E-08
216	0.00	0.000	0.000	0.0005	0.0022	.2392E-01	.6803E-08
217	0.02	0.000	0.012	0.0013	0.0024	.2542E-01	.6803E-08
218	0.00	0.000	0.003	0.0005	0.0022	.2405E-01	.6803E-08
219	0.00	0.000	0.000	0.0005	0.0024	.2548E-01	.6803E-08
220	0.00	0.000	0.000	0.0005	0.0026	.2757E-01	.6803E-08
221	0.00	0.000	0.000	0.0005	0.0026	.2809E-01	.6803E-08
222	0.07	0.000	0.009	0.0073	0.0026	.2812E-01	.6803E-08
223	0.00	0.000	0.032	0.0032	0.0026	.2779E-01	.6803E-08
224	0.00	0.000	0.011	0.0005	0.0025	.2678E-01	.6803E-08
225	0.00	0.000	0.000	0.0005	0.0025	.2686E-01	.6803E-08
226	0.00	0.000	0.000	0.0005	0.0026	.2798E-01	.6803E-08
227	0.40	0.000	0.042	0.0451	0.0026	.2767E-01	.6803E-08
228	0.57	0.000	0.085	0.0644	0.0024	.2631E-01	.6803E-08
229	0.01	0.000	0.169	0.0335	0.0018	.1893E-01	.6803E-08
230	0.00	0.000	0.147	0.0051	0.0029	.3120E-01	.6803E-08
231	0.00	0.000	0.019	0.0005	0.0031	.3293E-01	.6803E-08
232	0.02	0.000	0.018	0.0005	0.0030	.3276E-01	.6803E-08
233	0.73	0.000	0.081	0.0630	0.0033	.3543E-01	.6803E-08
234	0.00	0.000	0.136	0.0343	0.0020	.2134E-01	.6803E-08
235	0.00	0.000	0.121	0.0102	0.0017	.1873E-01	.6803E-08
236	0.00	0.000	0.047	0.0005	0.0018	.1937E-01	.6803E-08
237	0.00	0.000	0.000	0.0005	0.0020	.2196E-01	.6803E-08
238	0.01	0.000	0.010	0.0005	0.0022	.2316E-01	.6803E-08
239	0.00	0.000	0.000	0.0005	0.0019	.2003E-01	.6803E-08
240	0.00	0.000	0.000	0.0005	0.0016	.1693E-01	.6803E-08
241	0.00	0.000	0.000	0.0005	0.0004	.3881E-02	.6661E-08
242	0.00	0.000	0.000	0.0005	0.0000	0.000	0.000
243	0.05	0.000	0.012	0.0017	0.0000	0.000	0.000
244	0.00	0.000	0.003	0.0005	0.0000	0.000	0.000
245	0.00	0.000	0.000	0.0005	0.0002	.2652E-02	.3888E-08
246	0.00	0.000	0.000	0.0005	0.0012	.1296E-01	.6803E-08
247	0.00	0.000	0.000	0.0005	0.0017	.1853E-01	.6803E-08
248	0.00	0.000	0.000	0.0005	0.0020	.2196E-01	.6803E-08
249	0.06	0.000	0.010	0.0066	0.0023	.2449E-01	.6803E-08
250	0.00	0.000	0.010	0.0034	0.0025	.2731E-01	.6803E-08
251	0.00	0.000	0.009	0.0014	0.0024	.2611E-01	.6803E-08
252	0.00	0.000	0.003	0.0005	0.0026	.2751E-01	.6803E-08
253	0.26	0.000	0.016	0.0305	0.0032	.3466E-01	.6803E-08
254	0.00	0.000	0.016	0.0280	0.0034	.3634E-01	.6803E-08
255	0.00	0.000	0.017	0.0230	0.0034	.3647E-01	.6803E-08
256	0.00	0.000	0.014	0.0198	0.0028	.2964E-01	.6803E-08
257	0.00	0.000	0.015	0.0170	0.0027	.2882E-01	.6803E-08
258	0.00	0.000	0.010	0.0156	0.0030	.3197E-01	.6803E-08
259	0.11	0.000	0.022	0.0260	0.0034	.3664E-01	.6803E-08
260	0.88	0.000	0.022	0.0657	0.0028	.3012E-01	.6803E-08
261	0.15	0.000	0.078	0.0563	0.0022	.2321E-01	.6803E-08
262	2.16	0.000	0.115	0.1124	0.0033	.3525E-01	.6803E-08
263	0.10	0.000	0.071	0.0071	0.0032	.3423E-01	.6803E-08
264	0.07	0.000	0.048	0.0099	0.0040	.4272E-01	.6803E-08
265	0.00	0.000	0.057	0.0012	0.0000	.2603E-03	.2725E-08
266	0.02	0.000	0.015	0.0013	0.0023	.2489E-01	.2916E-08
267	0.00	0.000	0.003	0.0005	0.0144	.1548	.6803E-08
268	0.00	0.000	0.000	0.0005	0.0180	.1932	.6803E-08
269	0.00	0.000	0.000	0.0005	0.0172	.1850	.6803E-08
270	0.00	0.000	0.000	0.0005	0.0159	.1712	.6803E-08
271	0.16	0.000	0.036	0.0160	0.0146	.1575	.6803E-08
272	0.11	0.000	0.042	0.0239	0.0134	.1446	.6803E-08
273	0.36	0.000	0.075	0.0595	0.0125	.1347	.6803E-08
274	0.03	0.000	0.065	0.0444	0.0115	.1234	.6803E-08
275	0.00	0.000	0.081	0.0230	0.0103	.1112	.6803E-08
276	0.00	0.000	0.074	0.0120	0.0120	.1295	.6803E-08
277	0.00	0.000	0.065	0.0005	0.0093	.1005	.6803E-08
278	0.00	0.000	0.000	0.0005	0.0066	.7101E-01	.6803E-08
279	0.38	0.000	0.037	0.0434	0.0062	.6625E-01	.6803E-08
280	0.08	0.000	0.070	0.0440	0.0055	.5861E-01	.6803E-08
281	0.00	0.000	0.080	0.0280	0.0058	.6204E-01	.6803E-08
282	0.20	0.000	0.075	0.0412	0.0060	.6421E-01	.6803E-08
283	0.02	0.000	0.080	0.0316	0.0078	.8347E-01	.6803E-08
284	0.00	0.000	0.053	0.0223	0.0060	.6459E-01	.6803E-08
285	0.20	0.000	0.080	0.0361	0.0066	.7125E-01	.6803E-08
286	0.10	0.000	0.047	0.0424	0.0064	.6896E-01	.6803E-08
287 *	0.28	0.000	0.029	0.0401	0.0055	.5932E-01	.6803E-08
288 *	0.25	0.000	0.030	0.0371	0.0041	.4357E-01	.6803E-08
289	0.00	0.000	0.032	0.0369	0.0059	.6326E-01	.6803E-08
290 *	0.00	0.000	0.030	0.0369	0.0059	.6351E-01	.6803E-08
291	0.00	0.000	0.039	0.0669	0.0052	.5630E-01	.6803E-08
292	0.00	0.000	0.060	0.0452	0.0028	.3048E-01	.6803E-08
293	0.07	0.000	0.063	0.0325	0.0053	.5692E-01	.6803E-08
294	0.00	0.000	0.065	0.0200	0.0053	.5732E-01	.6803E-08
295 *	0.16	0.000	0.024	0.0216	0.0056	.6012E-01	.6803E-08
296	0.01	0.000	0.033	0.0324	0.0043	.4583E-01	.6803E-08
297	0.00	0.000	0.065	0.0238	0.0015	.1657E-01	.6803E-08
298	0.00	0.000	0.034	0.0191	0.0003	.3594E-02	.6803E-08

1x10⁻²
w/o lateral
Drainage

1x10⁻² cm/sec

299	*	0.00	0.000	0.022	0.0159	0.0009	.9725E-02	.6803E-08
300	*	0.00	0.000	0.000	0.0159	0.0021	.2209E-01	.6803E-08
301	*	0.00	0.000	0.000	0.0157	0.0033	.3560E-01	.6803E-08
302	*	0.00	0.000	0.000	0.0152	0.0039	.4171E-01	.6803E-08
303	*	0.00	0.000	0.000	0.0147	0.0044	.4775E-01	.6803E-08
304	*	0.20	0.000	0.020	0.0169	0.0049	.5252E-01	.6803E-08
305	*	0.04	0.000	0.020	0.0189	0.0051	.5446E-01	.6803E-08
306	*	0.28	0.000	0.019	0.0213	0.0050	.5411E-01	.6803E-08
307	*	0.06	0.000	0.021	0.0216	0.0051	.5456E-01	.6803E-08
308	* *	0.31	0.000	0.019	0.0216	0.0046	.4982E-01	.6803E-08
309	* *	0.00	0.000	0.026	0.0216	0.0050	.5412E-01	.6803E-08
310	* *	0.00	0.000	0.018	0.0216	0.0047	.5095E-01	.6803E-08
311	* *	0.00	0.000	0.027	0.0216	0.0044	.4761E-01	.6803E-08
312	* *	0.00	0.000	0.023	0.0216	0.0042	.4520E-01	.6803E-08
313	* *	0.03	0.000	0.000	0.0216	0.0040	.4354E-01	.6803E-08
314	* *	0.08	0.000	0.018	0.0216	0.0039	.4233E-01	.6803E-08
315	* *	0.28	0.000	0.000	0.0216	0.0038	.4137E-01	.6803E-08
316	*	0.10	0.000	0.000	0.1243	0.0038	.4053E-01	.6803E-08
317	*	0.04	0.000	0.000	0.1628	0.0037	.3975E-01	.6803E-08
318	*	0.00	0.000	0.000	0.1628	0.0036	.3898E-01	.6803E-08
319	*	0.09	0.000	0.004	0.1735	0.0036	.3823E-01	.6803E-08
320	* *	0.05	0.000	0.025	0.1735	0.0035	.3747E-01	.6803E-08
321	* *	0.00	0.000	0.021	0.1735	0.0034	.3672E-01	.6803E-08
322	* *	0.00	0.000	0.004	0.1735	0.0033	.3598E-01	.6803E-08
323	* *	0.10	0.000	0.030	0.1735	0.0033	.3524E-01	.6803E-08
324	*	0.02	0.000	0.031	0.1809	0.0032	.3451E-01	.6803E-08
325	* *	0.03	0.000	0.030	0.1809	0.0031	.3379E-01	.6803E-08
326	* *	0.00	0.000	0.000	0.1809	0.0031	.3309E-01	.6803E-08
327	*	0.44	0.000	0.004	0.2353	0.0030	.3241E-01	.6803E-08
328	*	0.06	0.000	0.004	0.2423	0.0030	.3174E-01	.6803E-08
329	*	0.03	0.000	0.004	0.2455	0.0029	.3109E-01	.6803E-08
330	*	0.00	0.000	0.000	0.2455	0.0028	.3045E-01	.6803E-08
331	* *	0.00	0.000	0.000	0.2455	0.0028	.2984E-01	.6803E-08
332	* *	0.00	0.000	0.000	0.2455	0.0027	.2924E-01	.6803E-08
333	*	0.00	0.000	0.000	0.2455	0.0027	.2866E-01	.6803E-08
334	*	0.00	0.000	0.000	0.2455	0.0026	.2810E-01	.6803E-08
335	*	0.00	0.000	0.000	0.2455	0.0026	.2755E-01	.6803E-08
336	*	0.00	0.000	0.000	0.2455	0.0025	.2702E-01	.6803E-08
337	*	0.00	0.000	0.000	0.2455	0.0025	.2651E-01	.6803E-08
338	* *	0.14	0.000	0.019	0.2455	0.0024	.2602E-01	.6803E-08
339	* *	0.25	0.000	0.014	0.2455	0.0024	.2553E-01	.6803E-08
340	* *	0.26	0.000	0.011	0.2455	0.0023	.2507E-01	.6803E-08
341	* *	0.22	0.000	0.015	0.2455	0.0023	.2461E-01	.6803E-08
342	* *	0.00	0.000	0.014	0.2455	0.0022	.2418E-01	.6803E-08
343	* *	0.00	0.000	0.010	0.2455	0.0022	.2375E-01	.6803E-08
344	* *	0.00	0.000	0.010	0.2455	0.0022	.2334E-01	.6803E-08
345	* *	0.00	0.000	0.011	0.2455	0.0021	.2294E-01	.6803E-08
346	* *	0.00	0.000	0.000	0.2455	0.0021	.2255E-01	.6803E-08
347	* *	0.00	0.000	0.016	0.2455	0.0021	.2217E-01	.6803E-08
348	* *	0.00	0.000	0.000	0.2455	0.0020	.2180E-01	.6803E-08
349	* *	0.00	0.000	0.023	0.2455	0.0020	.2145E-01	.6803E-08
350	* *	0.00	0.000	0.017	0.2455	0.0020	.2110E-01	.6803E-08
351	* *	0.00	0.000	0.019	0.2455	0.0019	.2076E-01	.6803E-08
352	* *	0.00	0.000	0.024	0.2455	0.0019	.2044E-01	.6803E-08
353	* *	0.00	0.000	0.031	0.2455	0.0019	.2012E-01	.6803E-08
354	* *	0.00	0.000	0.020	0.2455	0.0018	.1981E-01	.6803E-08
355	* *	0.00	0.000	0.020	0.2455	0.0018	.1951E-01	.6803E-08
356	* *	0.00	0.000	0.020	0.2455	0.0018	.1921E-01	.6803E-08
357	* *	0.00	0.000	0.021	0.2455	0.0018	.1893E-01	.6803E-08
358	* *	0.00	0.000	0.023	0.2455	0.0017	.1865E-01	.6803E-08
359	* *	0.00	0.000	0.026	0.2455	0.0017	.1838E-01	.6803E-08
360	* *	0.00	0.000	0.025	0.2455	0.0017	.1812E-01	.6803E-08
361	* *	0.04	0.000	0.015	0.2455	0.0017	.1786E-01	.6803E-08
362	* *	0.00	0.000	0.013	0.2455	0.0016	.1761E-01	.6803E-08
363	* *	0.18	0.000	0.012	0.2455	0.0016	.1737E-01	.6803E-08
364	* *	0.11	0.000	0.000	0.2455	0.0016	.1713E-01	.6803E-08
365	* *	0.06	0.000	0.000	0.2455	0.0016	.1690E-01	.6803E-08

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	4.25 2.08	0.49 1.88	2.13 4.44	0.36 1.98	2.12 2.04	1.74 1.26
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	0.303	0.292	0.450	0.309	1.532	0.822
	1.512	0.953	0.707	1.355	0.350	0.430
LATERAL DRAINAGE COLLECTED FROM LAYER 3	0.7680	0.4344	0.4401	3.3046	3.4888	1.2782
	0.6994	0.7113	1.7278	1.8412	1.1839	0.6664
PERCOLATION/LEAKAGE THROUGH LAYER 5	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 DAILY HEAD ON	0.002	0.001	0.001	0.010	0.010	0.004
TOP OF LAYER 4	0.002	0.002	0.005	0.006	0.004	0.002
STD. DEVIATION OF DAILY	0.000	0.000	0.001	0.007	0.006	0.002
HEAD ON TOP OF LAYER 4	0.001	0.001	0.006	0.003	0.001	0.000

ANNUAL TOTALS FOR YEAR 1997

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.435	0.382	1.131	1.088
	1.634	1.312	1.412	1.073	0.693	0.381

STD. DEVIATIONS	0.037	0.093	0.105	0.115	0.411	0.520
	0.506	0.293	0.407	0.311	0.263	0.067

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	0.7767	0.4387	1.0262	2.8852	4.7126	1.4985
	1.3387	1.0724	1.3129	1.2691	1.5852	1.3115

STD. DEVIATIONS	0.1708	0.0630	0.8967	1.6080	1.1269	0.3838
	0.5759	0.4649	1.1470	0.5222	0.9093	0.5598

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0023	0.0014	0.0031	0.0089	0.0141	0.0046
	0.0040	0.0032	0.0041	0.0038	0.0049	0.0039

STD. DEVIATIONS	0.0005	0.0002	0.0027	0.0050	0.0034	0.0012
	0.0017	0.0014	0.0036	0.0016	0.0028	0.0017

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES		CU. FEET	PERCENT
PRECIPITATION	29.32	(4.758)	106444.8	100.00
RUNOFF	0.000	(0.0000)	0.00	0.000
EVAPOTRANSPIRATION	10.226	(0.9888)	37118.55	34.871
LATERAL DRAINAGE COLLECTED FROM LAYER 3	19.22758	(3.99672)	69794.588	65.56879
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000	(0.00000)	0.009	0.00001
AVERAGE HEAD ON TOP OF LAYER 4	0.005	(0.001)		
CHANGE IN WATER STORAGE	-0.129	(1.4234)	-468.30	-0.440

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDYYYY)

	(INCHES)	(CU. FT.)	
PRECIPITATION	3.23	11724.64445	2421995
RUNOFF	0.000	0.00000	0
DRAINAGE COLLECTED FROM LAYER 3	0.94795	3440.96707	1241993

PERCOLATION/LEAKAGE THROUGH LAYER	5	0.000000	0.00005	1241993
AVERAGE HEAD ON TOP OF LAYER	4	0.088		
MAXIMUM HEAD ON TOP OF LAYER	4	0.173		
LOCATION OF MAXIMUM HEAD IN LAYER	3			
(DISTANCE FROM DRAIN)		3.2 FEET		
SNOW WATER		8.77	31823.0757	771996
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3500		
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.0005		

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
1	10.2032	0.0425
2	0.9132	0.0761
3	0.0037	0.0155
4	0.0000	0.0000
5	0.2700	0.7500
SNOW WATER	0.830	

$$1 \times 10^{-3} \text{ cm/sec}$$

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	0.303	0.292	0.450	0.309	1.532	0.822
	1.512	0.953	0.707	1.355	0.350	0.430
LATERAL DRAINAGE COLLECTED	0.8189	0.4631	0.3787	3.2320	3.4681	1.3880
FROM LAYER 3	0.6990	0.7437	1.5230	1.9530	1.2275	0.7088
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	0.002	0.002	0.001	0.010	0.010	0.004
TOP OF LAYER 4	0.002	0.002	0.005	0.006	0.004	0.002
STD. DEVIATION OF DAILY	0.000	0.000	0.001	0.006	0.006	0.002
HEAD ON TOP OF LAYER 4	0.001	0.001	0.005	0.003	0.001	0.000

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.016	32727.582	36.40
DRAINAGE COLLECTED FROM LAYER 3	16.6037	60270.076	67.03
PERC./LEAKAGE THROUGH LAYER 5	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 4	0.0042		
CHANGE IN WATER STORAGE	-0.850	-3084.525	-3.43
SOIL WATER AT START OF YEAR	10.981	39861.958	
SOIL WATER AT END OF YEAR	11.850	43013.745	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.963	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION						
TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16
STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99
RUNOFF						
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.435	0.382	1.131	1.088
	1.634	1.312	1.412	1.073	0.693	0.381

STD. DEVIATIONS	0.037	0.093	0.105	0.115	0.411	0.520
	0.506	0.293	0.407	0.311	0.263	0.067

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	0.8268	0.4676	0.8688	2.8761	4.7438	1.5586
	1.3192	1.1147	1.2657	1.2885	1.5514	1.3593

STD. DEVIATIONS	0.1835	0.0674	0.7414	1.7179	1.0935	0.3810
	0.5340	0.4801	1.0733	0.5772	0.9043	0.5574

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0025	0.0015	0.0026	0.0089	0.0142	0.0048
	0.0040	0.0033	0.0039	0.0039	0.0048	0.0041

STD. DEVIATIONS	0.0006	0.0002	0.0022	0.0053	0.0033	0.0012
	0.0016	0.0014	0.0033	0.0017	0.0028	0.0017

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	10.226 (0.9888)	37118.55	34.871
LATERAL DRAINAGE COLLECTED FROM LAYER 3	19.24054 (3.97591)	69841.627	65.61298
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.009	0.00001
AVERAGE HEAD ON TOP OF LAYER 4	0.005 (0.001)		
CHANGE IN WATER STORAGE	-0.142 (1.4312)	-515.34	-0.484

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYYYY)

	(INCHES)	(CU. FT.)
PRECIPITATION	3.23	11724.64445 2421995
RUNOFF	0.000	0.00000 0

DRAINAGE COLLECTED FROM LAYER 3 0.91700 3328.63844 1241993
 PERCOLATION/LEAKAGE THROUGH LAYER 5 0.000000 0.00005 1241993
 AVERAGE HEAD ON TOP OF LAYER 4 0.085
 MAXIMUM HEAD ON TOP OF LAYER 4 0.167
 LOCATION OF MAXIMUM HEAD IN LAYER 3
 (DISTANCE FROM DRAIN) 3.1 FEET
 SNOW WATER 8.77 31823.0757 771996
 MAXIMUM VEG. SOIL WATER (VOL/VOL) 0.3500
 MINIMUM VEG. SOIL WATER (VOL/VOL) 0.0005

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
1	10.2032	0.0425
2	1.3729	0.1144
3	0.0038	0.0159
4	0.0000	0.0000
5	0.2700	0.7500

SNOW WATER : 0.830

EVAPOTRANSPIRATION	0.303	0.292	0.450	0.309	1.532	0.822
	1.512	0.953	0.707	1.355	0.350	0.430
LATERAL DRAINAGE COLLECTED	0.8959	0.5068	0.3435	3.0628	3.4415	1.5419
FROM LAYER 3	0.7169	0.7741	1.2321	2.1326	1.2740	0.7720
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 5	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	0.009	0.010	0.005
TOP OF LAYER 4	0.002	0.002	0.004	0.006	0.004	0.002
STD. DEVIATION OF DAILY	0.000	0.000	0.001	0.006	0.005	0.002
HEAD ON TOP OF LAYER 4	0.001	0.001	0.004	0.003	0.001	0.000

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.016	32727.582	36.40
DRAINAGE COLLECTED FROM LAYER 3	16.6942	60598.511	67.40
PERC./LEAKAGE THROUGH LAYER 5	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 4	0.0042		
CHANGE IN WATER STORAGE	-0.940	-3412.960	-3.80
SOIL WATER AT START OF YEAR	11.771	42727.507	
SOIL WATER AT END OF YEAR	12.549	45550.860	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.963	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION						
TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16
STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99
RUNOFF						
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.435	0.382	1.131	1.088
	1.634	1.312	1.412	1.073	0.693	0.381

STD. DEVIATIONS	0.037	0.093	0.105	0.115	0.411	0.520
	0.506	0.293	0.407	0.311	0.263	0.067

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	0.9007	0.5113	0.6813	2.8168	4.7774	1.6557
	1.3029	1.1706	1.2032	1.3147	1.5034	1.4223

STD. DEVIATIONS	0.2041	0.0744	0.4878	1.8861	1.0528	0.3887
	0.4794	0.4974	0.9627	0.6702	0.8971	0.5564

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0027	0.0017	0.0020	0.0087	0.0143	0.0051
	0.0039	0.0035	0.0037	0.0039	0.0047	0.0043

STD. DEVIATIONS	0.0006	0.0002	0.0015	0.0058	0.0032	0.0012
	0.0014	0.0015	0.0030	0.0020	0.0028	0.0017

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	10.226 (0.9888)	37118.55	34.871
LATERAL DRAINAGE COLLECTED FROM LAYER 3	19.26020 (3.94250)	69913.000	65.68003
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.009	0.00001
AVERAGE HEAD ON TOP OF LAYER 4	0.005 (0.001)		
CHANGE IN WATER STORAGE	-0.162 (1.4493)	-586.72	-0.551

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYYY)

	(INCHES)	(CU. FT.)	
PRECIPITATION	3.23	11724.64445	2421995
RUNOFF	0.000	0.00000	0

DRAINAGE COLLECTED FROM LAYER 3 0.73427 2665.33312 1251993
 PERCOLATION/LEAKAGE THROUGH LAYER 5 0.000000 0.00004 1251993
 AVERAGE HEAD ON TOP OF LAYER 4 0.068
 MAXIMUM HEAD ON TOP OF LAYER 4 0.134
 LOCATION OF MAXIMUM HEAD IN LAYER 3
 (DISTANCE FROM DRAIN) 2.6 FEET
 SNOW WATER 8.77 31823.0757 771996

 MAXIMUM VEG. SOIL WATER (VOL/VOL) 0.3500
 MINIMUM VEG. SOIL WATER (VOL/VOL) 0.0005

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
1	10.2032	0.0425
2	2.0717	0.1726
3	0.0039	0.0164
4	0.0000	0.0000
5	0.2700	0.7500

SNOW WATER 0.830

$$1 \times 10^{-5} \text{ cm/pc}$$

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	0.303	0.292	0.450	0.309	1.607	0.828
	1.568	0.879	0.835	1.377	0.350	0.430
LATERAL DRAINAGE COLLECTED	0.9847	0.5635	0.3448	2.7470	3.4143	1.7486
FROM LAYER 3	0.7267	0.7642	0.8202	2.2803	1.3306	0.8702
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 5	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	0.009	0.010	0.005
TOP OF LAYER 4	0.002	0.002	0.003	0.007	0.004	0.003
STD. DEVIATION OF DAILY	0.000	0.000	0.001	0.005	0.005	0.001
HEAD ON TOP OF LAYER 4	0.001	0.001	0.003	0.003	0.000	0.000

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.228	33497.864	37.26
DRAINAGE COLLECTED FROM LAYER 3	16.5951	60239.025	67.00
PERC./LEAKAGE THROUGH LAYER 5	0.000002	0.008	0.00
AVG. HEAD ON TOP OF LAYER 4	0.0042		
CHANGE IN WATER STORAGE	-1.053	-3823.756	-4.25
SOIL WATER AT START OF YEAR	12.951	47012.555	
SOIL WATER AT END OF YEAR	13.616	49425.112	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.963	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION						
TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16
STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99
RUNOFF						
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000 0.000 0.000

EVAPOTRANSPIRATION

TOTALS 0.289 0.395 0.437 0.390 1.126 1.084
1.561 1.276 1.369 1.059 0.690 0.381

STD. DEVIATIONS 0.037 0.093 0.103 0.120 0.447 0.501
0.461 0.292 0.393 0.323 0.250 0.067

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS 0.9958 0.5731 0.4051 2.7113 4.7519 1.8914
1.3295 1.2811 1.1958 1.3425 1.4575 1.5200

STD. DEVIATIONS 0.2300 0.0833 0.0601 2.2075 0.9791 0.4726
0.4817 0.5593 0.9383 0.7818 0.8815 0.5532

PERCOLATION/LEAKAGE THROUGH LAYER 5

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 0.0030 0.0019 0.0012 0.0084 0.0143 0.0059
0.0040 0.0038 0.0037 0.0040 0.0045 0.0046

STD. DEVIATIONS 0.0007 0.0003 0.0002 0.0068 0.0030 0.0015
0.0014 0.0017 0.0029 0.0023 0.0027 0.0017

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	10.056 (0.9035)	36502.92	34.293
LATERAL DRAINAGE COLLECTED FROM LAYER 3	19.45512 (4.04945)	70620.545	66.34473
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.008	0.00001
AVERAGE HEAD ON TOP OF LAYER 4	0.005 (0.001)		
CHANGE IN WATER STORAGE	-0.187 (1.4645)	-678.63	-0.638

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYYYY)

	(INCHES)	(CU. FT.)
PRECIPITATION	3.23	11724.64445 2421995
RUNOFF	0.000	0.00000 0

DRAINAGE COLLECTED FROM LAYER 3 0.34265 1243.79084 1261993
 PERCOLATION/LEAKAGE THROUGH LAYER 5 0.000000 0.00002 921991
 AVERAGE HEAD ON TOP OF LAYER 4 0.032
 MAXIMUM HEAD ON TOP OF LAYER 4 0.063
 LOCATION OF MAXIMUM HEAD IN LAYER 3
 (DISTANCE FROM DRAIN) 1.4 FEET
 SNOW WATER 8.77 31823.0757 771996

 MAXIMUM VEG. SOIL WATER (VOL/VOL) 0.3500
 MINIMUM VEG. SOIL WATER (VOL/VOL) 0.0005

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
1	10.2037	0.0425
2	3.1383	0.2615
3	0.0041	0.0173
4	0.0000	0.0000
5	0.2700	0.7500

SNOW WATER -0.830

CASE 3
SIDE SLOPE ONLY

Project : KMEC TDRSA Side-Slope Run to Estimate Peak Lateral Drainage to GeoNet

This project is prepared to estimate flow contribution from 50 ft., 3:1 side-slope to the TDRSA GeoNet layer.

Jerry Eykholt, PhD, PE

Foth & Van Dyke and Assoc.

Model : HELP

An US EPA model for predicting landfill hydrologic processes and testing of effectiveness of landfill designs

Location : KMEC site near Marquette, MI

10/18/2005

1. Profile. Side-slope profile for TDRSA, GeoNet case

Model Settings

[HELP] Case Settings

Parameter	Value	Units
Runoff Method	Model calculated	(-)
Initial Moisture Settings	Model calculated	(-)

[HELP] Surface Water Settings

Parameter	Value	Units
Runoff Area	0	(%%)
Vegetation Class	Bare soil	(-)

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
 Development Rock	0.0000	-20.0000	20.0000
 Sand	-20.0000	-21.0000	1.0000
 Drainage Net (0.6cm)	-21.0000	-21.0197	0.0197
 High Density Polyethylene	-21.0192	-21.0225	0.0033
 Bentonite	-21.0225	-21.0525	0.0300

1.1. Layer. Development Rock

Top Slope Length: 50.0000
Bottom Slope Length: 50.0000
Top Slope: 0.1000
Bottom Slope : 33.0000

[HELP] Vertical Perc. Layer Parameters

Parameter	Value	Units
total porosity	.35	(vol/vol)
field capacity	.001	(vol/vol)
wilting point	.0005	(vol/vol)
sat.hydr.conductivity	10	(cm/sec)
subsurface inflow	0	(mm/year)

1.2. Layer. Sand

Top Slope Length: 50.0000
Bottom Slope Length: 50.0000
Top Slope: 33.0000
Bottom Slope : 33.0000

[HELP] Lateral Drainage Layer Parameters

Parameter	Value	Units
total porosity	0.437	(vol/vol)
field capacity	.005	(vol/vol)
wilting point	.001	(vol/vol)
sat.hydr.conductivity	.01	(cm/sec)
subsurface inflow	0	(mm/year)

1.3. Layer. Drainage Net (0.6cm)

Top Slope Length: 50.0000
 Bottom Slope Length: 50.0000
 Top Slope: 33.0000
 Bottom Slope : 33.0000

[HELP] Geotextiles and Geonets Parameters

Parameter	Value	Units
total porosity	0.85	(vol/vol)
field capacity	0.01	(vol/vol)
wilting point	0.005	(vol/vol)
sat.hydr.conductivity	16.7	(cm/sec)
subsurface inflow	0	(mm/year)

1.4. Layer. High Density Polyethylene

Top Slope Length: 50.0000
 Bottom Slope Length: 50.0000
 Top Slope: 33.0000
 Bottom Slope : 33.0000

[HELP] Geomembrane Liner Parameters

Parameter	Value	Units
sat.hydr.conductivity	2E-13	(cm/sec)
pinhole density	0	(#/ha)
installation defects	0	(#/ha)
placement quality	1	(-)
geotextile transmissivity	0	(cm2/sec)

1.5. Layer. Bentonite

Top Slope Length: 50.0000
 Bottom Slope Length: 50.0000
 Top Slope: 33.0000
 Bottom Slope : 33.0000

[HELP] Barrier Soil Liner Parameters

Parameter	Value	Units
total porosity	0.75	(vol/vol)
field capacity	0.747	(vol/vol)
wilting point	0.4	(vol/vol)
sat.hydr.conductivity	3E-9	(cm/sec)
subsurface inflow	0	(mm/year)

Case 36 1×10^{-4} cm/sec

303	*	0.00	0.000	0.000	0.0005	0.0005	.6162E-01	.7103E-09
304	*	0.20	0.000	0.020	0.0005	0.0005	.6431E-01	.7093E-09
305	*	0.04	0.000	0.020	0.0005	0.0005	.6437E-01	.7103E-09
306	*	0.28	0.000	0.019	0.0005	0.0006	.6810E-01	.7101E-09
307	*	0.06	0.000	0.021	0.0005	0.0006	.7138E-01	.7103E-09
308	*	0.31	0.000	0.019	0.0005	0.0007	.7666E-01	.4017E-08
309	*	0.00	0.000	0.026	0.0005	0.0007	.8135E-01	.4111E-08
310	*	0.00	0.000	0.018	0.0005	0.0006	.7192E-01	.4111E-08
311	*	0.00	0.000	0.027	0.0005	0.0005	.6391E-01	.4111E-08
312	*	0.00	0.000	0.023	0.0005	0.0005	.5877E-01	.4111E-08
313	*	0.03	0.000	0.000	0.0005	0.0005	.5568E-01	.4111E-08
314	*	0.08	0.000	0.018	0.0005	0.0005	.5377E-01	.4111E-08
315	*	0.28	0.000	0.000	0.0005	0.0004	.5250E-01	.4111E-08
316	*	0.10	0.000	0.000	0.1031	0.0004	.5154E-01	.4111E-08
317	*	0.04	0.000	0.000	0.1416	0.0004	.5072E-01	.4111E-08
318	*	0.00	0.000	0.000	0.1416	0.0004	.4995E-01	.4111E-08
319	*	0.09	0.000	0.002	0.1526	0.0004	.4919E-01	.4111E-08
320	*	0.05	0.000	0.025	0.1526	0.0004	.4841E-01	.4111E-08
321	*	0.00	0.000	0.021	0.1526	0.0004	.4761E-01	.4111E-08
322	*	0.00	0.000	0.004	0.1526	0.0004	.4678E-01	.4111E-08
323	*	0.10	0.000	0.030	0.1526	0.0004	.4593E-01	.4111E-08
324	*	0.02	0.000	0.031	0.1600	0.0004	.4507E-01	.4111E-08
325	*	0.03	0.000	0.030	0.1600	0.0004	.4421E-01	.4111E-08
326	*	0.00	0.000	0.000	0.1600	0.0004	.4334E-01	.4111E-08
327	*	0.44	0.000	0.002	0.2147	0.0004	.4247E-01	.4111E-08
328	*	0.06	0.000	0.002	0.2220	0.0004	.4161E-01	.4111E-08
329	*	0.03	0.000	0.002	0.2255	0.0003	.4076E-01	.4111E-08
330	*	0.00	0.000	0.000	0.2255	0.0003	.3992E-01	.4111E-08
331	*	0.00	0.000	0.000	0.2255	0.0003	.3910E-01	.4111E-08
332	*	0.00	0.000	0.000	0.2255	0.0003	.3830E-01	.4111E-08
333	*	0.00	0.000	0.000	0.2255	0.0003	.3751E-01	.4111E-08
334	*	0.00	0.000	0.000	0.2255	0.0003	.3674E-01	.4111E-08
335	*	0.00	0.000	0.000	0.2255	0.0003	.3600E-01	.4111E-08
336	*	0.00	0.000	0.000	0.2255	0.0003	.3527E-01	.4111E-08
337	*	0.00	0.000	0.000	0.2255	0.0003	.3457E-01	.4111E-08
338	*	0.14	0.000	0.019	0.2255	0.0003	.3388E-01	.4111E-08
339	*	0.25	0.000	0.014	0.2255	0.0003	.3321E-01	.4111E-08
340	*	0.26	0.000	0.011	0.2255	0.0003	.3257E-01	.4111E-08
341	*	0.22	0.000	0.015	0.2255	0.0003	.3194E-01	.4111E-08
342	*	0.00	0.000	0.014	0.2255	0.0003	.3133E-01	.4111E-08
343	*	0.00	0.000	0.010	0.2255	0.0003	.3074E-01	.4111E-08
344	*	0.00	0.000	0.010	0.2255	0.0003	.3017E-01	.4111E-08
345	*	0.00	0.000	0.011	0.2255	0.0003	.2961E-01	.4111E-08
346	*	0.00	0.000	0.000	0.2255	0.0002	.2907E-01	.4111E-08
347	*	0.00	0.000	0.016	0.2255	0.0002	.2855E-01	.4111E-08
348	*	0.00	0.000	0.000	0.2255	0.0002	.2804E-01	.4111E-08
349	*	0.00	0.000	0.023	0.2255	0.0002	.2755E-01	.4111E-08
350	*	0.00	0.000	0.017	0.2255	0.0002	.2707E-01	.4111E-08
351	*	0.00	0.000	0.019	0.2255	0.0002	.2661E-01	.4111E-08
352	*	0.00	0.000	0.024	0.2255	0.0002	.2616E-01	.4111E-08
353	*	0.00	0.000	0.031	0.2255	0.0002	.2572E-01	.4111E-08
354	*	0.00	0.000	0.020	0.2255	0.0002	.2530E-01	.4111E-08
355	*	0.00	0.000	0.020	0.2255	0.0002	.2488E-01	.4111E-08
356	*	0.00	0.000	0.020	0.2255	0.0002	.2448E-01	.4111E-08
357	*	0.00	0.000	0.021	0.2255	0.0002	.2409E-01	.4111E-08
358	*	0.00	0.000	0.023	0.2255	0.0002	.2371E-01	.4111E-08
359	*	0.00	0.000	0.026	0.2255	0.0002	.2335E-01	.4111E-08
360	*	0.00	0.000	0.025	0.2255	0.0002	.2299E-01	.4111E-08
361	*	0.04	0.000	0.015	0.2255	0.0002	.2264E-01	.4111E-08
362	*	0.00	0.000	0.013	0.2255	0.0002	.2230E-01	.4111E-08
363	*	0.18	0.000	0.012	0.2255	0.0002	.2197E-01	.4111E-08
364	*	0.11	0.000	0.000	0.2255	0.0002	.2165E-01	.4111E-08
365	*	0.06	0.000	0.000	0.2255	0.0002	.2133E-01	.4111E-08

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

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

PRECIPITATION 4.25 0.49 2.13 0.36 2.12 1.74
2.08 1.88 4.44 1.98 2.04 1.26

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

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.434	0.368	0.899	0.736
	1.116	0.844	1.156	0.819	0.654	0.381

STD. DEVIATIONS	0.037	0.093	0.106	0.124	0.339	0.441
	0.475	0.321	0.258	0.283	0.304	0.067

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	0.9291	0.5221	0.7050	2.7366	4.4696	1.9748
	1.7223	1.4759	1.7263	1.8143	1.8479	1.4729

STD. DEVIATIONS	0.1701	0.0627	0.5331	1.8705	0.9831	0.4383
	0.5618	0.3944	1.1134	0.5350	0.7875	0.5085

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0003	0.0002	0.0002	0.0008	0.0012	0.0006
	0.0005	0.0004	0.0005	0.0005	0.0005	0.0004

STD. DEVIATIONS	0.0000	0.0000	0.0001	0.0005	0.0003	0.0001
	0.0002	0.0001	0.0003	0.0001	0.0002	0.0001

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	8.092 (0.8682)	29373.90	27.595
LATERAL DRAINAGE COLLECTED FROM LAYER 3	21.39678 (3.78706)	77668.605	72.96606
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.002	0.00000
AVERAGE HEAD ON TOP OF LAYER 4	0.000 (0.000)		
CHANGE IN WATER STORAGE	-0.165 (1.4448)	-597.67	-0.561

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYYY)

	(INCHES)	(CU. FT.)
PRECIPITATION	3.23	11724.64445 2421995
RUNOFF	0.000	0.00000 0

DRAINAGE COLLECTED FROM LAYER 3 0.62551 2270.53487 891991
 PERCOLATION/LEAKAGE THROUGH LAYER 5 0.000000 0.00001 2731991
 AVERAGE HEAD ON TOP OF LAYER 4 0.005
 MAXIMUM HEAD ON TOP OF LAYER 4 0.002
 LOCATION OF MAXIMUM HEAD IN LAYER 3
 (DISTANCE FROM DRAIN) 0.0 FEET
 SNOW WATER 8.77 31823.0757 771996

MAXIMUM VEG. SOIL WATER (VOL/VOL) 0.3500
 MINIMUM VEG. SOIL WATER (VOL/VOL) 0.0005

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
1	10.1270	0.0422
2	2.1020	0.1752
3	0.0024	0.0100
4	0.0000	0.0000
5	0.2700	0.7500

SNOW WATER 0.830

303	*	0.00	0.000	0.000	0.0005	0.0002	.4687E-01	.1744E-08
304	*	0.20	0.000	0.020	0.0005	0.0001	.3916E-01	.1743E-08
305	*	0.04	0.000	0.020	0.0005	0.0001	.3965E-01	.1744E-08
306	*	0.28	0.000	0.019	0.0005	0.0001	.3822E-01	.1744E-08
307	*	0.06	0.000	0.021	0.0005	0.0001	.3899E-01	.1744E-08
308	**	0.31	0.000	0.019	0.0005	0.0001	.3779E-01	.1744E-08
309	**	0.00	0.000	0.026	0.0005	0.0001	.3003E-01	.1743E-08
310	**	0.00	0.000	0.018	0.0005	0.0001	.2119E-01	.1743E-08
311	**	0.00	0.000	0.027	0.0005	0.0001	.1749E-01	.1744E-08
312	**	0.00	0.000	0.023	0.0005	0.0001	.1634E-01	.1744E-08
313	**	0.03	0.000	0.000	0.0005	0.0001	.1620E-01	.1744E-08
314	**	0.08	0.000	0.018	0.0005	0.0001	.1636E-01	.1744E-08
315	**	0.28	0.000	0.000	0.0005	0.0001	.1652E-01	.1744E-08
316	*	0.10	0.000	0.000	0.1031	0.0001	.1658E-01	.1744E-08
317	*	0.04	0.000	0.000	0.1416	0.0001	.1651E-01	.1744E-08
318	*	0.00	0.000	0.000	0.1416	0.0001	.1634E-01	.1744E-08
319	*	0.09	0.000	0.003	0.1525	0.0001	.1608E-01	.1744E-08
320	**	0.05	0.000	0.025	0.1525	0.0001	.1575E-01	.1744E-08
321	**	0.00	0.000	0.021	0.1525	0.0001	.1538E-01	.1744E-08
322	**	0.00	0.000	0.004	0.1525	0.0001	.1497E-01	.1744E-08
323	*	0.10	0.000	0.030	0.1525	0.0001	.1455E-01	.1744E-08
324	*	0.02	0.000	0.031	0.1599	0.0000	.1412E-01	.1744E-08
325	**	0.03	0.000	0.030	0.1599	0.0000	.1369E-01	.1744E-08
326	**	0.00	0.000	0.000	0.1599	0.0000	.1327E-01	.1744E-08
327	*	0.44	0.000	0.003	0.2144	0.0000	.1285E-01	.1744E-08
328	*	0.06	0.000	0.003	0.2215	0.0000	.1245E-01	.1744E-08
329	*	0.03	0.000	0.003	0.2248	0.0000	.1205E-01	.1744E-08
330	*	0.00	0.000	0.000	0.2248	0.0000	.1167E-01	.1744E-08
331	**	0.00	0.000	0.000	0.2248	0.0000	.1131E-01	.1744E-08
332	**	0.00	0.000	0.000	0.2248	0.0000	.1096E-01	.1744E-08
333	*	0.00	0.000	0.000	0.2248	0.0000	.1063E-01	.1744E-08
334	*	0.00	0.000	0.000	0.2248	0.0000	.1030E-01	.1744E-08
335	*	0.00	0.000	0.000	0.2248	0.0000	.9998E-02	.1744E-08
336	*	0.00	0.000	0.000	0.2248	0.0000	.9704E-02	.1744E-08
337	*	0.00	0.000	0.000	0.2248	0.0000	.9424E-02	.1744E-08
338	*	0.14	0.000	0.019	0.2248	0.0000	.9155E-02	.1744E-08
339	**	0.25	0.000	0.014	0.2248	0.0000	.8899E-02	.1744E-08
340	**	0.26	0.000	0.011	0.2248	0.0000	.8654E-02	.1744E-08
341	**	0.22	0.000	0.015	0.2248	0.0000	.8419E-02	.1744E-08
342	**	0.00	0.000	0.014	0.2248	0.0000	.8195E-02	.1744E-08
343	**	0.00	0.000	0.010	0.2248	0.0000	.7981E-02	.1744E-08
344	**	0.00	0.000	0.010	0.2248	0.0000	.7775E-02	.1744E-08
345	**	0.00	0.000	0.011	0.2248	0.0000	.7578E-02	.1744E-08
346	**	0.00	0.000	0.000	0.2248	0.0000	.7390E	

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

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

PRECIPITATION	4.25	0.49	2.13	0.36	2.12	1.74
	2.08	1.88	4.44	1.98	2.04	1.26

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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

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EVAPOTRANSPIRATION	0.303	0.292	0.450	0.311	0.458	0.207
	0.221	0.133	0.731	0.427	0.346	0.430
LATERAL DRAINAGE COLLECTED	0.2042	0.1051	1.3237	3.8041	4.2101	1.1882
FROM LAYER 3	2.0363	1.8318	3.1722	1.9344	0.5482	0.2161
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 4	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.001	0.001	0.000
HEAD ON TOP OF LAYER 4	0.000	0.000	0.001	0.000	0.000	0.000

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	4.310	15645.270	17.40
DRAINAGE COLLECTED FROM LAYER 3	20.5743	74683.223	83.06
PERC./LEAKAGE THROUGH LAYER 5	0.000001	0.003	0.00
AVG. HEAD ON TOP OF LAYER 4	0.0002		
CHANGE IN WATER STORAGE	-0.114	-415.354	-0.46
SOIL WATER AT START OF YEAR	2.344	8506.749	
SOIL WATER AT END OF YEAR	3.947	14327.708	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.963	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION						
TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16
STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99
RUNOFF						
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.436	0.384	0.485	0.309
	0.558	0.357	0.544	0.371	0.443	0.381

STD. DEVIATIONS	0.037	0.093	0.103	0.128	0.225	0.236
	0.399	0.163	0.257	0.091	0.142	0.067

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	0.2257	0.1105	2.8536	3.0055	4.8015	1.5783
	2.5699	1.7958	2.7438	1.9060	2.1309	0.6543

STD. DEVIATIONS	0.0498	0.0155	2.6470	1.1797	1.3786	0.6038
	0.9554	0.8092	0.7824	0.3736	1.2029	0.4596

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0000	0.0000	0.0003	0.0003	0.0005	0.0002
	0.0003	0.0002	0.0003	0.0002	0.0002	0.0001

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

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	4.954 (0.6677)	17980.89	16.892
LATERAL DRAINAGE COLLECTED FROM LAYER 3	24.37571 (3.80870)	88481.902	83.12465
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.003	0.00000
AVERAGE HEAD ON TOP OF LAYER 4	0.000 (0.000)		
CHANGE IN WATER STORAGE	-0.005 (1.4691)	-17.95	-0.017

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYY)

	(INCHES)	(CU. FT.)
PRECIPITATION	3.23	11724.64445 2421995
RUNOFF	0.000	0.00000 0

DRAINAGE COLLECTED FROM LAYER 3 3.79493 13775.31189 861991
 PERCOLATION/LEAKAGE THROUGH LAYER 5 0.000000 0.00002 1901997
 AVERAGE HEAD ON TOP OF LAYER 4 0.013
 MAXIMUM HEAD ON TOP OF LAYER 4 0.013
 LOCATION OF MAXIMUM HEAD IN LAYER 3
 (DISTANCE FROM DRAIN) 0.0 FEET
 SNOW WATER 8.77 31823.0757 771996

MAXIMUM VEG. SOIL WATER (VOL/VOL) 0.3500
 MINIMUM VEG. SOIL WATER (VOL/VOL) 0.0005

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
1	2.6402	0.0110
2	1.0345	0.0862
3	0.0024	0.0101
4	0.0000	0.0000
5	0.2700	0.7500

SNOW WATER 0.830

303	*	0.00	0.000	0.000	0.0137	0.0023	.3119E-01	.2633E-08
304	*	0.20	0.000	0.020	0.0161	0.0026	.3529E-01	.3483E-08
305	*	0.04	0.000	0.020	0.0184	0.0028	.3786E-01	.3483E-08
306	*	0.28	0.000	0.019	0.0208	0.0031	.4124E-01	.3483E-08
307	*	0.06	0.000	0.021	0.0230	0.0033	.4459E-01	.1782E-08
308	**	0.31	0.000	0.019	0.0230	0.0034	.4536E-01	.2633E-08
309	**	0.00	0.000	0.026	0.0230	0.0036	.4807E-01	.3483E-08
310	*	0.00	0.000	0.018	0.0230	0.0037	.4916E-01	.3483E-08
311	*	0.00	0.000	0.027	0.0230	0.0037	.4970E-01	.3483E-08
312	*	0.00	0.000	0.023	0.0230	0.0037	.4994E-01	.3483E-08
313	*	0.03	0.000	0.000	0.0230	0.0037	.4997E-01	.3483E-08
314	*	0.08	0.000	0.018	0.0230	0.0037	.4983E-01	.3483E-08
315	*	0.28	0.000	0.000	0.0230	0.0037	.4955E-01	.3483E-08
316	*	0.10	0.000	0.000	0.1257	0.0037	.4914E-01	.3483E-08
317	*	0.04	0.000	0.000	0.1642	0.0036	.4864E-01	.3483E-08
318	*	0.00	0.000	0.000	0.1642	0.0036	.4807E-01	.3483E-08
319	*	0.09	0.000	0.005	0.1748	0.0035	.4743E-01	.3483E-08
320	*	0.05	0.000	0.025	0.1748	0.0035	.4674E-01	.3483E-08
321	**	0.00	0.000	0.021	0.1748	0.0034	.4602E-01	.3483E-08
322	**	0.00	0.000	0.004	0.1748	0.0034	.4527E-01	.3483E-08
323	*	0.10	0.000	0.030	0.1748	0.0033	.4450E-01	.3483E-08
324	*	0.02	0.000	0.031	0.1822	0.0033	.4373E-01	.3483E-08
325	*	0.03	0.000	0.030	0.1822	0.0032	.4296E-01	.3483E-08
326	*	0.00	0.000	0.000	0.1822	0.0031	.4218E-01	.3483E-08
327	*	0.44	0.000	0.004	0.2367	0.0031	.4141E-01	.3483E-08
328	*	0.06	0.000	0.004	0.2436	0.0030	.4065E-01	.3483E-08
329	*	0.03	0.000	0.004	0.2468	0.0030	.3990E-01	.3483E-08
330	*	0.00	0.000	0.000	0.2468	0.0029	.3916E-01	.3483E-08
331	*	0.00	0.000	0.000	0.2468	0.0029	.3843E-01	.3483E-08
332	**	0.00	0.000	0.000	0.2468	0.0028	.3772E-01	.3483E-08
333	*	0.00	0.000	0.000	0.2468	0.0028	.3702E-01	.3483E-08
334	*	0.00	0.000	0.000	0.2468	0.0027	.3634E-01	.3483E-08
335	*	0.00	0.000	0.000	0.2468	0.0027	.3568E-01	.3483E-08
336	*	0.00	0.000	0.000	0.2468	0.0026	.3503E-01	.3483E-08
337	*	0.00	0.000	0.000	0.2468	0.0026	.3440E-01	.3483E-08
338	*	0.14	0.000	0.019	0.2468	0.0025	.3378E-01	.3483E-08
339	*	0.25	0.000	0.014	0.2468	0.0025	.3318E-01	.3483E-08
340	*	0.26	0.000	0.011	0.2468	0.0024	.3260E-01	.3483E-08
341	*	0.22	0.000	0.015	0.2468	0.0024	.3203E-01	.3483E-08
342	*	0.00	0.000	0.014	0.2468	0.0023	.3148E-01	.3483E-08
343	*	0.00	0.000	0.010	0.2468	0.0023	.3094E-01	.1782E-08
344	*	0.00	0.000	0.010	0.2468	0.0023	.3042E-01	.1782E-08
345	*	0.00	0.000	0.011	0.2468	0.0022	.2991E-01	.1782E-08
346	**	0.00	0.000	0.000	0.2468	0.0022	.2941E-01	.1782E-08</

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

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

PRECIPITATION	4.25	0.49	2.13	0.36	2.12	1.74
	2.08	1.88	4.44	1.98	2.04	1.26

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	0.303	0.292	0.450	0.309	1.607	0.828
	1.568	0.879	0.835	1.377	0.350	0.430

LATERAL DRAINAGE COLLECTED	0.9833	0.5629	0.3431	2.7438	3.4250	1.7457
FROM LAYER 3	0.7241	0.7627	0.8302	2.2731	1.3306	0.8691

PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 5	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

AVERAGE DAILY HEAD ON	0.002	0.001	0.001	0.007	0.008	0.004
TOP OF LAYER 4	0.002	0.002	0.002	0.005	0.003	0.002

STD. DEVIATION OF DAILY	0.000	0.000	0.001	0.004	0.004	0.001
HEAD ON TOP OF LAYER 4	0.001	0.001	0.002	0.003	0.000	0.000

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.228	33497.864	37.26
DRAINAGE COLLECTED FROM LAYER 3	16.5935	60233.245	66.99
PERC./LEAKAGE THROUGH LAYER 5	0.000000	0.002	0.00
AVG. HEAD ON TOP OF LAYER 4	0.0034		
CHANGE IN WATER STORAGE	-1.052	-3817.969	-4.25
SOIL WATER AT START OF YEAR	12.948	47000.538	
SOIL WATER AT END OF YEAR	13.614	49418.881	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.963	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION						
TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16
STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99
RUNOFF						
TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.437	0.390	1.126	1.084
	1.561	1.276	1.369	1.059	0.690	0.381

STD. DEVIATIONS	0.037	0.093	0.103	0.120	0.447	0.501
	0.461	0.292	0.393	0.323	0.250	0.067

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	0.9959	0.5731	0.4054	2.7179	4.7471	1.8890
	1.3333	1.2797	1.1950	1.3436	1.4561	1.5196

STD. DEVIATIONS	0.2305	0.0835	0.0601	2.2096	0.9777	0.4749
	0.4858	0.5587	0.9366	0.7803	0.8804	0.5534

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0024	0.0015	0.0010	0.0067	0.0114	0.0047
	0.0032	0.0031	0.0030	0.0032	0.0036	0.0036

STD. DEVIATIONS	0.0006	0.0002	0.0001	0.0055	0.0023	0.0012
	0.0012	0.0013	0.0023	0.0019	0.0022	0.0013

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	10.056 (0.9035)	36502.92	34.293
LATERAL DRAINAGE COLLECTED FROM LAYER 3	19.45577 (4.05029)	70622.899	66.34695
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.001	0.00000
AVERAGE HEAD ON TOP OF LAYER 4	0.004 (0.001)		
CHANGE IN WATER STORAGE	-0.188 (1.4658)	-680.98	-0.640

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYYYY)

	(INCHES)	(CU. FT.)
PRECIPITATION	3.23	11724.64445 2421995
RUNOFF	0.000	0.00000 0

DRAINAGE COLLECTED FROM LAYER 3 0.34015 1234.72489 931991
 PERCOLATION/LEAKAGE THROUGH LAYER 5 0.000000 0.00001 1321992
 AVERAGE HEAD ON TOP OF LAYER 4 0.025
 MAXIMUM HEAD ON TOP OF LAYER 4 0.001
 LOCATION OF MAXIMUM HEAD IN LAYER 3
 (DISTANCE FROM DRAIN) 0.0 FEET
 SNOW WATER 8.77 31823.0757 771996

MAXIMUM VEG. SOIL WATER (VOL/VOL) 0.3500
 MINIMUM VEG. SOIL WATER (VOL/VOL) 0.0005

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
1	10.2037	0.0425
2	3.1383	0.2615
3	0.0024	0.0100
4	0.0000	0.0000
5	0.2700	0.7500

SNOW WATER 0.830

CASE 3 w/
Sideslope
Contributions

Project : KMEC TDRSA LINER with GCL

This input set is prepared to check flow contributions from 50 ft. side-slope at 3:1 to drainage layer in the base 2% slope region.

Jerry Eykholt, PhD, PE

Foth & Van Dyke and Assoc.

Model : HELP

An US EPA model for predicting landfill hydrologic processes and testing of effectiveness of landfill designs

Location : KMEC Site, near Marquette, Michigan

10/10/2005

1. Profile. EPA profile1

Model Settings

[HELP] Case Settings

Parameter	Value	Units
Runoff Method	Model calculated	(-)
Initial Moisture Settings	Model calculated	(-)

[HELP] Surface Water Settings

Parameter	Value	Units
Runoff Area	0	(%%)
Vegetation Class	Bare soil	(-)

Profile Structure

Layer	Top (ft)	Bottom (ft)	Thickness (ft)
 Development Rock	0.0000	-20.0000	20.0000
 Sand	-20.0000	-21.0000	1.0000
 Drainage Net (0.5cm)	-21.0000	-21.0164	0.0164
 High Density Polyethylene	-21.0159	-21.0192	0.0033
 Bentonite	-21.0192	-21.0492	0.0300

1.1. Layer. Development Rock

Top Slope Length: 50.0000
 Bottom Slope Length: 50.0000
 Top Slope: 33.0000
 Bottom Slope : 33.0000

[HELP] Vertical Perc. Layer Parameters

Parameter	Value	Units
total porosity	.35	(vol/vol)
field capacity	.001	(vol/vol)
wilting point	.0005	(vol/vol)
sat.hydr.conductivity	10	(cm/sec)
subsurface inflow	0	(mm/year)

1.2. Layer. Sand

Top Slope Length: 50.0000
 Bottom Slope Length: 50.0000
 Top Slope: 33.0000
 Bottom Slope : 33.0000

[HELP] Lateral Drainage Layer Parameters

Parameter	Value	Units
total porosity	0.437	(vol/vol)
field capacity	.005	(vol/vol)
wilting point	.001	(vol/vol)
sat.hydr.conductivity	.01	(cm/sec)
subsurface inflow	0	(mm/year)

1.3. Layer. Drainage Net (0.5cm)

Top Slope Length: 50.0000
Bottom Slope Length: 50.0000
Top Slope: 33.0000
Bottom Slope : 33.0000

[HELP] Geotextiles and Geonets Parameters

Parameter	Value	Units
total porosity	0.85	(vol/vol)
field capacity	0.01	(vol/vol)
wilting point	0.005	(vol/vol)
sat.hydr.conductivity	.4	(cm/sec)
subsurface inflow	0	(mm/year)

1.4. Layer. High Density Polyethylene

Top Slope Length: 50.0000
Bottom Slope Length: 50.0000
Top Slope: 33.0000
Bottom Slope : 33.0000

[HELP] Geomembrane Liner Parameters

Parameter	Value	Units
sat.hydr.conductivity	2E-13	(cm/sec)
pinhole density	0	(#/ha)
installation defects	0	(#/ha)
placement quality	1	(-)
geotextile transmissivity	0	(cm2/sec)

1.5. Layer. Bentonite

Top Slope Length: 50.0000
Bottom Slope Length: 176.0000
Top Slope: 33.0000
Bottom Slope : 33.0000

[HELP] Barrier Soil Liner Parameters

Parameter	Value	Units
total porosity	0.75	(vol/vol)
field capacity	0.747	(vol/vol)
wilting point	0.4	(vol/vol)
sat.hydr.conductivity	3E-9	(cm/sec)
subsurface inflow	0	(mm/year)

CPE 3c 1410⁻² cm/sec

272	0.11	0.000	0.042	0.0239	0.0178	.1913	.6803E-08
273	0.36	0.000	0.075	0.0595	0.0169	.1813	.6803E-08
274	0.03	0.000	0.065	0.0444	0.0158	.1700	.6803E-08
275	0.00	0.000	0.081	0.0230	0.0147	.1578	.6803E-08
276	0.00	0.000	0.074	0.0120	0.0164	.1761	.6803E-08
277	0.00	0.000	0.065	0.0005	0.0137	.1472	.6803E-08
278	0.00	0.000	0.000	0.0005	0.0109	.1177	.6803E-08
279	0.38	0.000	0.037	0.0434	0.0105	.1129	.6803E-08
280	0.08	0.000	0.070	0.0440	0.0098	.1053	.6803E-08
281	0.00	0.000	0.080	0.0280	0.0101	.1087	.6803E-08
282	0.20	0.000	0.075	0.0412	0.0103	.1109	.6803E-08
283	0.02	0.000	0.080	0.0316	0.0121	.1301	.6803E-08
284	0.00	0.000	0.053	0.0223	0.0103	.1112	.6803E-08
285	0.20	0.000	0.080	0.0361	0.0110	.1179	.6803E-08
286	0.10	0.000	0.047	0.0424	0.0107	.1156	.6803E-08
287 *	0.28	0.000	0.029	0.0401	0.0099	.1060	.6803E-08
288 *	0.25	0.000	0.030	0.0371	0.0084	.9021E-01	.6803E-08
289	0.00	0.000	0.032	0.0369	0.0102	.1099	.6803E-08
290 *	0.00	0.000	0.030	0.0369	0.0102	.1102	.6803E-08
291	0.00	0.000	0.039	0.0669	0.0096	.1029	.6803E-08
292	0.00	0.000	0.060	0.0452	0.0072	.7712E-01	.6803E-08
293	0.07	0.000	0.063	0.0325	0.0096	.1036	.6803E-08
294	0.00	0.000	0.065	0.0200	0.0097	.1040	.6803E-08
295 *	0.16	0.000	0.024	0.0216	0.0099	.1068	.6803E-08
296	0.01	0.000	0.033	0.0324	0.0086	.9247E-01	.6803E-08
297	0.00	0.000	0.065	0.0238	0.0059	.6321E-01	.6803E-08
298	0.00	0.000	0.034	0.0191	0.0047	.5023E-01	.6803E-08
299 *	0.00	0.000	0.022	0.0159	0.0052	.5636E-01	.6803E-08
300 *	0.00	0.000	0.000	0.0159	0.0064	.6873E-01	.6803E-08
301 *	0.00	0.000	0.000	0.0157	0.0076	.8224E-01	.6803E-08
302 *	0.00	0.000	0.000	0.0152	0.0082	.8835E-01	.6803E-08
303 *	0.00	0.000	0.000	0.0147	0.0088	.9439E-01	.6803E-08
304 *	0.20	0.000	0.020	0.0169	0.0092	.9916E-01	.6803E-08
305 *	0.04	0.000	0.020	0.0189	0.0094	.1011	.6803E-08
306 *	0.28	0.000	0.019	0.0213	0.0094	.1008	.6803E-08
307 *	0.06	0.000	0.021	0.0216	0.0094	.1012	.6803E-08
308 **	0.31	0.000	0.019	0.0216	0.0090	.9646E-01	.6803E-08
309 **	0.00	0.000	0.026	0.0216	0.0094	.1008	.6803E-08
310 **	0.00	0.000	0.018	0.0216	0.0091	.9759E-01	.6803E-08
311 **	0.00	0.000	0.027	0.0216	0.0088	.9425E-01	.6803E-08
312 **	0.00	0.000	0.023	0.0216	0.0085	.9184E-01	.6803E-08
313 **	0.03	0.000	0.000	0.0216	0.0084	.9018E-01	.6803E-08
314 **	0.08	0.000	0.018	0.0216	0.0083	.8897E-01	.6803E-08
315 **	0.28	0.000	0.000	0.0216	0.0082	.8801E-01	.6803E-08
316 *	0.10	0.000	0.000	0.1243	0.0081	.8717E-01	.6803E-08
317 *	0.04	0.000	0.000	0.1628	0.0080	.8639E-01	.6803E-08
318 *	0.00	0.000	0.000	0.1628	0.0080	.8562E-01	.6803E-08
319 *	0.09	0.000	0.004	0.1735	0.0079	.8487E-01	.6803E-08
320 **	0.05	0.000	0.025	0.1735	0.0078	.8411E-01	.6803E-08
321 **	0.00	0.000	0.021	0.1735	0.0078	.8336E-01	.6803E-08
322 **	0.00	0.000	0.004	0.1735	0.0077	.8262E-01	.6803E-08
323 *	0.10	0.000	0.030	0.1735	0.0076	.8188E-01	.6803E-08
324 *	0.02	0.000	0.031	0.1809	0.0075	.8115E-01	.6803E-08
325 **	0.03	0.000	0.030	0.1809	0.0075	.8043E-01	.6803E-08
326 **	0.00	0.000	0.000	0.1809	0.0074	.7973E-01	.6803E-08
327 *	0.44	0.000	0.004	0.2353	0.0074	.7905E-01	.6803E-08
328 *	0.06	0.000	0.004	0.2423	0.0073	.7838E-01	.6803E-08
329 *	0.03	0.000	0.004	0.2455	0.0072	.7773E-01	.6803E-08
330 *	0.00	0.000	0.000	0.2455	0.0072	.7709E-01	.6803E-08
331 **	0.00	0.000	0.000	0.2455	0.0071	.7648E-01	.6803E-08
332 **	0.00	0.000	0.000	0.2455	0.0071	.7588E-01	.6803E-08
333 *	0.00	0.000	0.000	0.2455	0.0070	.7530E-01	.6803E-08
334 *	0.00	0.000	0.000	0.2455	0.0070	.7474E-01	.6803E-08
335 *	0.00	0.000	0.000	0.2455	0.0069	.7419E-01	.6803E-08
336 *	0.00	0.000	0.000	0.2455	0.0069	.7367E-01	.6803E-08
337 *	0.00	0.000	0.000	0.2455	0.0068	.7315E-01	.6803E-08
338 **	0.14	0.000	0.019	0.2455	0.0068	.7266E-01	.6803E-08
339 **	0.25	0.000	0.014	0.2455	0.0067	.7217E-01	.6803E-08
340 **	0.26	0.000	0.011	0.2455	0.0067	.7171E-01	.6803E-08
341 **	0.22	0.000	0.015	0.2455	0.0066	.7125E-01	.6803E-08
342 **	0.00	0.000	0.014	0.2455	0.0066	.7082E-01	.6803E-08
343 **	0.00	0.000	0.010	0.2455	0.0065	.7039E-01	.6803E-08
344 **	0.00	0.000	0.010	0.2455	0.0065	.6998E-01	.6803E-08
345 **	0.00	0.000	0.011	0.2455	0.0065	.6958E-01	.6803E-08
346 **	0.00	0.000	0.000	0.2455	0.0064	.6919E-01	.6803E-08
347 **	0.00	0.000	0.016	0.2455	0.0064	.6881E-01	.6803E-08
348 **	0.00	0.000	0.000	0.2455	0.0064	.6844E-01	.6803E-08
349 **	0.00	0.000	0.023	0.2455	0.0063	.6809E-01	.6803E-08
350 **	0.00	0.000	0.017	0.2455	0.0063	.6774E-01	.6803E-08
351 **	0.00	0.000	0.019	0.2455	0.0063	.6740E-01	.6803E-08
352 **	0.00	0.000	0.024	0.2455	0.0062	.6708E-01	.6803E-08
353 **	0.00	0.000	0.031	0.2455	0.0062	.6676E-01	.6803E-08

354	*	*	0.00	0.000	0.020	0.2455	0.0062	.6645E-01	.6803E-08
355	*	*	0.00	0.000	0.020	0.2455	0.0062	.6615E-01	.6803E-08
356	*	*	0.00	0.000	0.020	0.2455	0.0061	.6586E-01	.6803E-08
357	*	*	0.00	0.000	0.021	0.2455	0.0061	.6557E-01	.6803E-08
358	*	*	0.00	0.000	0.023	0.2455	0.0061	.6529E-01	.6803E-08
359	*	*	0.00	0.000	0.026	0.2455	0.0060	.6502E-01	.6803E-08
360	*	*	0.00	0.000	0.025	0.2455	0.0060	.6476E-01	.6803E-08
361	*	*	0.04	0.000	0.015	0.2455	0.0060	.6450E-01	.6803E-08
362	*	*	0.00	0.000	0.013	0.2455	0.0060	.6425E-01	.6803E-08
363	*	*	0.18	0.000	0.012	0.2455	0.0060	.6401E-01	.6803E-08
364	*	*	0.11	0.000	0.000	0.2455	0.0059	.6377E-01	.6803E-08
365	*	*	0.06	0.000	0.000	0.2455	0.0059	.6354E-01	.6803E-08

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

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

PRECIPITATION	4.25	0.49	2.13	0.36	2.12	1.74
	2.08	1.88	4.44	1.98	2.04	1.26
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	0.303	0.292	0.450	0.309	1.532	0.822
	1.512	0.953	0.707	1.355	0.350	0.430
SUBSURFACE INFLOW INTO LAYER 3	1.4458	1.3059	1.4458	1.3992	1.4458	1.3992
	1.4458	1.4458	1.3992	1.4458	1.3992	1.4458
LATERAL DRAINAGE COLLECTED FROM LAYER 3	2.2139	1.7404	1.8860	4.7038	4.9346	2.6774
	2.1452	2.1572	3.1270	3.2870	2.5831	2.1122
PERCOLATION/LEAKAGE THROUGH LAYER 5	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	0.007	0.006	0.006	0.015	0.015	0.008
	0.006	0.006	0.010	0.010	0.008	0.006
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.000	0.000	0.001	0.007	0.006	0.002
	0.001	0.001	0.006	0.003	0.001	0.000

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.016	32727.582	36.40
SUBSURFACE INFLOW INTO LAYER 3	17.023684	61794.628	68.73
DRAINAGE COLLECTED FROM LAYER 3	33.5678	121848.593	135.52
PERC./LEAKAGE THROUGH LAYER 5	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 4	0.0085		
CHANGE IN WATER STORAGE	-0.790	-2868.415	-3.19
SOIL WATER AT START OF YEAR	10.466	37990.127	

SOIL WATER AT END OF YEAR	11.394	41358.024	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.963	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

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

PRECIPITATION

TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16

STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99

RUNOFF

TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.435	0.382	1.131	1.088
	1.634	1.312	1.412	1.073	0.693	0.381

STD. DEVIATIONS	0.037	0.093	0.105	0.115	0.411	0.520
	0.506	0.293	0.407	0.311	0.263	0.067

SUBSURFACE INFLOW INTO LAYER 3

TOTALS	1.4458	1.3059	1.4458	1.3992	1.4458	1.3992
	1.4458	1.4458	1.3992	1.4458	1.3992	1.4458

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	2.2225	1.7580	2.4721	4.2844	6.1584	2.8977
	2.7845	2.5183	2.7121	2.7149	2.9844	2.7574

STD. DEVIATIONS	0.1708	0.0696	0.8967	1.6080	1.1269	0.3838
	0.5759	0.4649	1.1470	0.5222	0.9093	0.5598

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0067	0.0058	0.0074	0.0133	0.0185	0.0090
	0.0084	0.0076	0.0084	0.0081	0.0093	0.0083

STD. DEVIATIONS	0.0005	0.0002	0.0027	0.0050	0.0034	0.0012
	0.0017	0.0014	0.0036	0.0016	0.0028	0.0017

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	10.226 (0.9888)	37118.55	34.871
SUBSURFACE INFLOW INTO LAYER 3	17.02368	61794.628	58.05319
LATERAL DRAINAGE COLLECTED FROM LAYER 3	36.26459 (4.00147)	131637.587	123.66742
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.009	0.00001
AVERAGE HEAD ON TOP OF LAYER 4	0.009 (0.001)		
CHANGE IN WATER STORAGE	-0.129 (1.4234)	-468.30	-0.440

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYYYY)

	(INCHES)	(CU. FT.)	
PRECIPITATION	3.23	11724.64445	2421995
RUNOFF	0.000	0.00000	0
DRAINAGE COLLECTED FROM LAYER 3	0.99459	3610.26742	1241993
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.000000	0.00006	1241993
AVERAGE HEAD ON TOP OF LAYER 4	0.092		
MAXIMUM HEAD ON TOP OF LAYER 4	0.181		
LOCATION OF MAXIMUM HEAD IN LAYER 3 (DISTANCE FROM DRAIN)	3.4 FEET		
SNOW WATER	8.77	31823.0757	771996
MAXIMUM VEG. SOIL WATER (VOL/VOL)	0.3500		
MINIMUM VEG. SOIL WATER (VOL/VOL)	0.0005		

*** 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 1997

SNOW WATER 0.830

TIME: 6:50 DATE: 11/16/2005

LAYER 1

LAYER 2

CASE 3C 1×10^{-3} cm/sec

272	0.11	0.000	0.042	0.0239	0.0181	.1951	.6803E-08
273	0.36	0.000	0.075	0.0595	0.0172	.1852	.6803E-08
274	0.03	0.000	0.065	0.0444	0.0162	.1741	.6803E-08
275	0.00	0.000	0.081	0.0230	0.0149	.1600	.6803E-08
276	0.00	0.000	0.074	0.0120	0.0167	.1794	.6803E-08
277	0.00	0.000	0.065	0.0005	0.0149	.1604	.6803E-08
278	0.00	0.000	0.000	0.0005	0.0117	.1262	.6803E-08
279	0.38	0.000	0.037	0.0434	0.0110	.1188	.6803E-08
280	0.08	0.000	0.070	0.0440	0.0100	.1071	.6803E-08
281	0.00	0.000	0.080	0.0280	0.0099	.1069	.6803E-08
282	0.20	0.000	0.075	0.0412	0.0098	.1050	.6803E-08
283	0.02	0.000	0.080	0.0316	0.0117	.1256	.6803E-08
284	0.00	0.000	0.053	0.0223	0.0102	.1099	.6803E-08
285	0.20	0.000	0.080	0.0361	0.0108	.1163	.6803E-08
286	0.10	0.000	0.047	0.0424	0.0108	.1159	.6803E-08
287 *	0.28	0.000	0.029	0.0401	0.0100	.1074	.6803E-08
288 *	0.25	0.000	0.030	0.0371	0.0083	.8932E-01	.6803E-08
289	0.00	0.000	0.032	0.0369	0.0099	.1066	.6803E-08
290 *	0.00	0.000	0.030	0.0369	0.0102	.1100	.6803E-08
291	0.00	0.000	0.039	0.0669	0.0097	.1044	.6803E-08
292	0.00	0.000	0.060	0.0452	0.0071	.7675E-01	.6803E-08
293	0.07	0.000	0.063	0.0325	0.0094	.1011	.6803E-08
294	0.00	0.000	0.065	0.0200	0.0098	.1049	.6803E-08
295 *	0.16	0.000	0.024	0.0216	0.0103	.1105	.6803E-08
296	0.01	0.000	0.033	0.0324	0.0091	.9819E-01	.6803E-08
297	0.00	0.000	0.065	0.0238	0.0063	.6813E-01	.6803E-08
298	0.00	0.000	0.034	0.0191	0.0048	.5168E-01	.6803E-08
299 *	0.00	0.000	0.022	0.0159	0.0049	.5292E-01	.6803E-08
300 *	0.00	0.000	0.000	0.0159	0.0056	.6035E-01	.6803E-08
301 *	0.00	0.000	0.000	0.0157	0.0066	.7123E-01	.6803E-08
302 *	0.00	0.000	0.000	0.0152	0.0071	.7658E-01	.6803E-08
303 *	0.00	0.000	0.000	0.0147	0.0077	.8276E-01	.6803E-08
304 *	0.20	0.000	0.020	0.0169	0.0083	.8883E-01	.6803E-08
305 *	0.04	0.000	0.020	0.0189	0.0086	.9274E-01	.6803E-08
306 *	0.28	0.000	0.019	0.0213	0.0087	.9399E-01	.6803E-08
307 *	0.06	0.000	0.021	0.0216	0.0090	.9640E-01	.6803E-08
308 **	0.31	0.000	0.019	0.0216	0.0085	.9182E-01	.6803E-08
309 **	0.00	0.000	0.026	0.0216	0.0090	.9726E-01	.6803E-08
310 **	0.00	0.000	0.018	0.0216	0.0089	.9537E-01	.6803E-08
311 **	0.00	0.000	0.027	0.0216	0.0086	.9260E-01	.6803E-08
312 **	0.00	0.000	0.023	0.0216	0.0084	.9030E-01	.6803E-08
313 **	0.03	0.000	0.000	0.0216	0.0082	.8854E-01	.6803E-08
314 **	0.08	0.000	0.018	0.0216	0.0081	.8718E-01	.6803E-08
315 **	0.28	0.000	0.000	0.0216	0.0080	.8606E-01	.6803E-08
316 *	0.10	0.000	0.000	0.1243	0.0079	.8510E-01	.6803E-08
317 *	0.04	0.000	0.000	0.1628	0.0078	.8422E-01	.6803E-08
318 *	0.00	0.000	0.000	0.1628	0.0078	.8339E-01	.6803E-08
319 *	0.09	0.000	0.004	0.1735	0.0077	.8258E-01	.6803E-08
320 **	0.05	0.000	0.025	0.1735	0.0076	.8180E-01	.6803E-08
321 **	0.00	0.000	0.021	0.1735	0.0075	.8103E-01	.6803E-08
322 **	0.00	0.000	0.004	0.1735	0.0075	.8027E-01	.6803E-08
323 **	0.10	0.000	0.030	0.1735	0.0074	.7952E-01	.6803E-08
324 *	0.02	0.000	0.031	0.1809	0.0073	.7878E-01	.6803E-08
325 **	0.03	0.000	0.030	0.1809	0.0073	.7805E-01	.6803E-08
326 **	0.00	0.000	0.000	0.1809	0.0072	.7734E-01	.6803E-08
327 *	0.44	0.000	0.004	0.2353	0.0071	.7664E-01	.6803E-08
328 *	0.06	0.000	0.004	0.2423	0.0071	.7595E-01	.6803E-08
329 *	0.03	0.000	0.004	0.2455	0.0070	.7529E-01	.6803E-08
330 *	0.00	0.000	0.000	0.2455	0.0069	.7463E-01	.6803E-08
331 **	0.00	0.000	0.000	0.2455	0.0069	.7400E-01	.6803E-08
332 **	0.00	0.000	0.000	0.2455	0.0068	.7338E-01	.6803E-08
333 *	0.00	0.000	0.000	0.2455	0.0068	.7278E-01	.6803E-08
334 *	0.00	0.000	0.000	0.2455	0.0067	.7220E-01	.6803E-08
335 *	0.00	0.000	0.000	0.2455	0.0067	.7163E-01	.6803E-08
336 *	0.00	0.000	0.000	0.2455	0.0066	.7108E-01	.6803E-08
337 *	0.00	0.000	0.000	0.2455	0.0066	.7054E-01	.6803E-08
338 **	0.14	0.000	0.019	0.2455	0.0065	.7002E-01	.6803E-08
339 **	0.25	0.000	0.014	0.2455	0.0065	.6952E-01	.6803E-08
340 **	0.26	0.000	0.011	0.2455	0.0064	.6903E-01	.6803E-08
341 **	0.22	0.000	0.015	0.2455	0.0064	.6855E-01	.6803E-08
342 **	0.00	0.000	0.014	0.2455	0.0063	.6809E-01	.6803E-08
343 **	0.00	0.000	0.010	0.2455	0.0063	.6764E-01	.6803E-08
344 **	0.00	0.000	0.010	0.2455	0.0062	.6721E-01	.6803E-08
345 **	0.00	0.000	0.011	0.2455	0.0062	.6678E-01	.6803E-08
346 **	0.00	0.000	0.000	0.2455	0.0062	.6637E-01	.6803E-08
347 **	0.00	0.000	0.016	0.2455	0.0061	.6597E-01	.6803E-08
348 **	0.00	0.000	0.000	0.2455	0.0061	.6558E-01	.6803E-08
349 **	0.00	0.000	0.023	0.2455	0.0061	.6521E-01	.6803E-08
350 **	0.00	0.000	0.017	0.2455	0.0060	.6484E-01	.6803E-08
351 **	0.00	0.000	0.019	0.2455	0.0060	.6449E-01	.6803E-08
352 **	0.00	0.000	0.024	0.2455	0.0060	.6414E-01	.6803E-08
353 **	0.00	0.000	0.031	0.2455	0.0059	.6380E-01	.6803E-08

354	*	*	0.00	0.000	0.020	0.2455	0.0059	.6347E-01	.6803E-08
355	*	*	0.00	0.000	0.020	0.2455	0.0059	.6315E-01	.6803E-08
356	*	*	0.00	0.000	0.020	0.2455	0.0058	.6284E-01	.6803E-08
357	*	*	0.00	0.000	0.021	0.2455	0.0058	.6254E-01	.6803E-08
358	*	*	0.00	0.000	0.023	0.2455	0.0058	.6225E-01	.6803E-08
359	*	*	0.00	0.000	0.026	0.2455	0.0058	.6196E-01	.6803E-08
360	*	*	0.00	0.000	0.025	0.2455	0.0057	.6168E-01	.6803E-08
361	*	*	0.04	0.000	0.015	0.2455	0.0057	.6141E-01	.6803E-08
362	*	*	0.00	0.000	0.013	0.2455	0.0057	.6114E-01	.6803E-08
363	*	*	0.18	0.000	0.012	0.2455	0.0057	.6088E-01	.6803E-08
364	*	*	0.11	0.000	0.000	0.2455	0.0056	.6063E-01	.6803E-08
365	*	*	0.06	0.000	0.000	0.2455	0.0056	.6038E-01	.6803E-08

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	4.25	0.49	2.13	0.36	2.12	1.74
	2.08	1.88	4.44	1.98	2.04	1.26
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	0.303	0.292	0.450	0.309	1.532	0.822
	1.512	0.953	0.707	1.355	0.350	0.430
SUBSURFACE INFLOW INTO LAYER 3	1.3141	1.1869	1.3141	1.2717	1.3141	1.2717
	1.3141	1.3141	1.2717	1.3141	1.2717	1.3141
LATERAL DRAINAGE COLLECTED FROM LAYER 3	2.1330	1.6500	1.6928	4.5037	4.7821	2.6596
	2.0131	2.0577	2.7947	3.2671	2.4992	2.0228
PERCOLATION/LEAKAGE THROUGH LAYER 5	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	0.006	0.005	0.005	0.014	0.014	0.008
	0.006	0.006	0.009	0.010	0.008	0.006
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.000	0.000	0.001	0.006	0.006	0.002
	0.001	0.001	0.005	0.003	0.001	0.000

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.016	32727.582	36.40
SUBSURFACE INFLOW INTO LAYER 3	15.472131	56162.612	62.46
DRAINAGE COLLECTED FROM LAYER 3	32.0758	116432.688	129.49
PERC./LEAKAGE THROUGH LAYER 5	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 4	0.0082		
CHANGE IN WATER STORAGE	-0.850	-3084.525	-3.43
SOIL WATER AT START OF YEAR	10.985	39873.977	

SOIL WATER AT END OF YEAR	11.853	43025.764	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.963	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

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

PRECIPITATION

TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16

STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99

RUNOFF

TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.435	0.382	1.131	1.088
	1.634	1.312	1.412	1.073	0.693	0.381

STD. DEVIATIONS	0.037	0.093	0.105	0.115	0.411	0.520
	0.506	0.293	0.407	0.311	0.263	0.067

SUBSURFACE INFLOW INTO LAYER 3

TOTALS	1.3141	1.1869	1.3141	1.2717	1.3141	1.2717
	1.3141	1.3141	1.2717	1.3141	1.2717	1.3141

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	2.1409	1.6666	2.1829	4.1478	6.0579	2.8303
	2.6333	2.4288	2.5374	2.6026	2.8231	2.6734

STD. DEVIATIONS	0.1835	0.0730	0.7414	1.7179	1.0935	0.3810
	0.5340	0.4801	1.0733	0.5772	0.9043	0.5574

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0064	0.0055	0.0065	0.0129	0.0182	0.0088
	0.0079	0.0073	0.0079	0.0078	0.0088	0.0080

STD. DEVIATIONS	0.0006	0.0002	0.0022	0.0053	0.0033	0.0012
	0.0016	0.0014	0.0033	0.0017	0.0028	0.0017

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	10.226 (0.9888)	37118.55	34.871
SUBSURFACE INFLOW INTO LAYER 3	15.47213	56162.612	52.76218
LATERAL DRAINAGE COLLECTED FROM LAYER 3	34.72478 (3.98020)	126048.203	118.41645
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.009	0.00001
AVERAGE HEAD ON TOP OF LAYER 4	0.009 (0.001)		
CHANGE IN WATER STORAGE	-0.142 (1.4312)	-515.34	-0.484

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDYYYY)

	(INCHES)	(CU. FT.)	
PRECIPITATION	3.23	11724.64445	2421995
RUNOFF	0.000	0.00000	0
DRAINAGE COLLECTED FROM LAYER 3	0.95939	3482.50861	1241993
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.000000	0.00006	1241993
AVERAGE HEAD ON TOP OF LAYER 4	0.089		
MAXIMUM HEAD ON TOP OF LAYER 4	0.175		
LOCATION OF MAXIMUM HEAD IN LAYER 3 (DISTANCE FROM DRAIN)	3.3 FEET		
SNOW WATER	8.77	31823.0757	771996
MAXIMUM VEG. SOIL WATER (VOL/VOL)	0.3500		
MINIMUM VEG. SOIL WATER (VOL/VOL)	0.0005		

*** 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 1997

LAYER	(INCHES)	(VOL/VOL)
1	10.2032	0.0425
2	1.3729	0.1144
3	0.0071	0.0299
4	0.0000	0.0000
5	0.2700	0.7500

SNOW WATER 0.830

CASE 3C $1 \times 10^{-4} \text{ cm/sec}$

272	0.11	0.000	0.042	0.0239	0.0148	.1594	.6803E-08
273	0.36	0.000	0.075	0.0595	0.0144	.1547	.6803E-08
274	0.03	0.000	0.065	0.0444	0.0136	.1466	.6803E-08
275	0.00	0.000	0.081	0.0230	0.0123	.1326	.6803E-08
276	0.00	0.000	0.074	0.0120	0.0142	.1530	.6803E-08
277	0.00	0.000	0.065	0.0005	0.0133	.1430	.6803E-08
278	0.00	0.000	0.000	0.0005	0.0099	.1068	.6803E-08
279	0.38	0.000	0.037	0.0434	0.0091	.9766E-01	.6803E-08
280	0.08	0.000	0.070	0.0440	0.0077	.8267E-01	.6803E-08
281	0.00	0.000	0.080	0.0280	0.0073	.7895E-01	.6803E-08
282	0.20	0.000	0.075	0.0412	0.0068	.7304E-01	.6803E-08
283	0.02	0.000	0.080	0.0316	0.0086	.9299E-01	.6803E-08
284	0.00	0.000	0.053	0.0223	0.0073	.7901E-01	.6803E-08
285	0.20	0.000	0.080	0.0361	0.0079	.8503E-01	.6803E-08
286	0.10	0.000	0.047	0.0424	0.0080	.8604E-01	.6803E-08
287 *	0.28	0.000	0.029	0.0401	0.0073	.7869E-01	.6803E-08
288 *	0.25	0.000	0.030	0.0371	0.0055	.5921E-01	.6803E-08
289	0.00	0.000	0.032	0.0369	0.0069	.7439E-01	.6803E-08
290 *	0.00	0.000	0.030	0.0369	0.0074	.7978E-01	.6803E-08
291	0.00	0.000	0.039	0.0669	0.0070	.7556E-01	.6803E-08
292	0.00	0.000	0.060	0.0452	0.0044	.4713E-01	.6803E-08
293	0.07	0.000	0.063	0.0325	0.0065	.6955E-01	.6803E-08
294	0.00	0.000	0.065	0.0200	0.0070	.7553E-01	.6803E-08
295 *	0.16	0.000	0.024	0.0216	0.0078	.8364E-01	.6803E-08
296	0.01	0.000	0.033	0.0324	0.0068	.7337E-01	.6803E-08
297	0.00	0.000	0.065	0.0238	0.0040	.4307E-01	.6803E-08
298	0.00	0.000	0.034	0.0191	0.0023	.2421E-01	.6803E-08
299 *	0.00	0.000	0.022	0.0159	0.0020	.2191E-01	.6803E-08
300 *	0.00	0.000	0.000	0.0159	0.0024	.2558E-01	.6803E-08
301 *	0.00	0.000	0.000	0.0157	0.0031	.3364E-01	.6803E-08
302 *	0.00	0.000	0.000	0.0152	0.0035	.3710E-01	.6803E-08
303 *	0.00	0.000	0.000	0.0147	0.0039	.4200E-01	.6803E-08
304 *	0.20	0.000	0.020	0.0169	0.0044	.4779E-01	.6803E-08
305 *	0.04	0.000	0.020	0.0189	0.0049	.5238E-01	.6803E-08
306 *	0.28	0.000	0.019	0.0213	0.0051	.5453E-01	.6803E-08
307 *	0.06	0.000	0.021	0.0216	0.0054	.5847E-01	.6803E-08
308 **	0.31	0.000	0.019	0.0216	0.0051	.5438E-01	.6803E-08
309 **	0.00	0.000	0.026	0.0216	0.0057	.6096E-01	.6803E-08
310 **	0.00	0.000	0.018	0.0216	0.0056	.6048E-01	.6803E-08
311 **	0.00	0.000	0.027	0.0216	0.0055	.5867E-01	.6803E-08
312 **	0.00	0.000	0.023	0.0216	0.0053	.5693E-01	.6803E-08
313 **	0.03	0.000	0.000	0.0216	0.0052	.5547E-01	.6803E-08
314 **	0.08	0.000	0.018	0.0216	0.0050	.5427E-01	.6803E-08
315 **	0.28	0.000	0.000	0.0216	0.0050	.5324E-01	.6803E-08
316 *	0.10	0.000	0.000	0.1243	0.0049	.5232E-01	.6803E-08
317 *	0.04	0.000	0.000	0.1628	0.0048	.5146E-01	.6803E-08
318 *	0.00	0.000	0.000	0.1628	0.0047	.5064E-01	.6803E-08
319 *	0.09	0.000	0.004	0.1735	0.0046	.4985E-01	.6803E-08
320 **	0.05	0.000	0.025	0.1735	0.0046	.4907E-01	.6803E-08
321 **	0.00	0.000	0.021	0.1735	0.0045	.4830E-01	.6803E-08
322 **	0.00	0.000	0.004	0.1735	0.0044	.4754E-01	.6803E-08
323 **	0.10	0.000	0.030	0.1735	0.0044	.4679E-01	.6803E-08
324 *	0.02	0.000	0.031	0.1809	0.0043	.4605E-01	.6803E-08
325 **	0.03	0.000	0.030	0.1809	0.0042	.4531E-01	.6803E-08
326 **	0.00	0.000	0.000	0.1809	0.0041	.4459E-01	.6803E-08
327 *	0.44	0.000	0.004	0.2353	0.0041	.4388E-01	.6803E-08
328 *	0.06	0.000	0.004	0.2423	0.0040	.4318E-01	.6803E-08
329 *	0.03	0.000	0.004	0.2455	0.0040	.4250E-01	.6803E-08
330 *	0.00	0.000	0.000	0.2455	0.0039	.4183E-01	.6803E-08
331 **	0.00	0.000	0.000	0.2455	0.0038	.4117E-01	.6803E-08
332 **	0.00	0.000	0.000	0.2455	0.0038	.4053E-01	.6803E-08
333 *	0.00	0.000	0.000	0.2455	0.0037	.3991E-01	.6803E-08
334 *	0.00	0.000	0.000	0.2455	0.0037	.3930E-01	.6803E-08
335 *	0.00	0.000	0.000	0.2455	0.0036	.3870E-01	.6803E-08
336 *	0.00	0.000	0.000	0.2455	0.0035	.3812E-01	.6803E-08
337 *	0.00	0.000	0.000	0.2455	0.0035	.3756E-01	.6803E-08
338 **	0.14	0.000	0.019	0.2455	0.0034	.3701E-01	.6803E-08
339 **	0.25	0.000	0.014	0.2455	0.0034	.3647E-01	.6803E-08
340 **	0.26	0.000	0.011	0.2455	0.0033	.3595E-01	.6803E-08
341 **	0.22	0.000	0.015	0.2455	0.0033	.3545E-01	.6803E-08
342 **	0.00	0.000	0.014	0.2455	0.0033	.3496E-01	.6803E-08
343 **	0.00	0.000	0.010	0.2455	0.0032	.3448E-01	.6803E-08
344 **	0.00	0.000	0.010	0.2455	0.0032	.3401E-01	.6803E-08
345 **	0.00	0.000	0.011	0.2455	0.0031	.3356E-01	.6803E-08
346 **	0.00	0.000	0.000	0.2455	0.0031	.3312E-01	.6803E-08
347 **	0.00	0.000	0.016	0.2455	0.0030	.3269E-01	.6803E-08
348 **	0.00	0.000	0.000	0.2455	0.0030	.3228E-01	.6803E-08
349 **	0.00	0.000	0.023	0.2455	0.0030	.3187E-01	.6803E-08
350 **	0.00	0.000	0.017	0.2455	0.0029	.3148E-01	.6803E-08
351 **	0.00	0.000	0.019	0.2455	0.0029	.3109E-01	.6803E-08
352 **	0.00	0.000	0.024	0.2455	0.0029	.3072E-01	.6803E-08
353 **	0.00	0.000	0.031	0.2455	0.0028	.3035E-01	.6803E-08

354	*	*	0.00	0.000	0.020	0.2455	0.0028	.3000E-01	.6803E-08
355	*	*	0.00	0.000	0.020	0.2455	0.0028	.2966E-01	.6803E-08
356	*	*	0.00	0.000	0.020	0.2455	0.0027	.2932E-01	.6803E-08
357	*	*	0.00	0.000	0.021	0.2455	0.0027	.2899E-01	.6803E-08
358	*	*	0.00	0.000	0.023	0.2455	0.0027	.2867E-01	.6803E-08
359	*	*	0.00	0.000	0.026	0.2455	0.0026	.2836E-01	.6803E-08
360	*	*	0.00	0.000	0.025	0.2455	0.0026	.2806E-01	.6803E-08
361	*	*	0.04	0.000	0.015	0.2455	0.0026	.2776E-01	.6803E-08
362	*	*	0.00	0.000	0.013	0.2455	0.0026	.2747E-01	.6803E-08
363	*	*	0.18	0.000	0.012	0.2455	0.0025	.2719E-01	.6803E-08
364	*	*	0.11	0.000	0.000	0.2455	0.0025	.2692E-01	.6803E-08
365	*	*	0.06	0.000	0.000	0.2455	0.0025	.2665E-01	.6803E-08

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	4.25	0.49	2.13	0.36	2.12	1.74
	2.08	1.88	4.44	1.98	2.04	1.26
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	0.303	0.292	0.450	0.309	1.532	0.822
	1.512	0.953	0.707	1.355	0.350	0.430
SUBSURFACE INFLOW INTO LAYER 3	0.2169	0.1960	0.2169	0.2100	0.2169	0.2100
	0.2169	0.2169	0.2100	0.2169	0.2100	0.2169
LATERAL DRAINAGE COLLECTED FROM LAYER 3	1.1129	0.7028	0.5605	3.2728	3.6585	1.7518
	0.9339	0.9911	1.4420	2.3495	1.4840	0.9889
PERCOLATION/LEAKAGE THROUGH LAYER 5	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	0.003	0.002	0.002	0.010	0.011	0.005
	0.003	0.003	0.004	0.007	0.005	0.003
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.000	0.000	0.001	0.006	0.005	0.002
	0.001	0.001	0.004	0.003	0.001	0.000

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.016	32727.582	36.40
SUBSURFACE INFLOW INTO LAYER 3	2.554405	9272.289	10.31
DRAINAGE COLLECTED FROM LAYER 3	19.2486	69870.799	77.71
PERC./LEAKAGE THROUGH LAYER 5	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 4	0.0049		
CHANGE IN WATER STORAGE	-0.940	-3412.960	-3.80
SOIL WATER AT START OF YEAR	11.771	42729.492	

SOIL WATER AT END OF YEAR	12.549	45552.844	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.963	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

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

PRECIPITATION

TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16

STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99

RUNOFF

TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.435	0.382	1.131	1.088
	1.634	1.312	1.412	1.073	0.693	0.381

STD. DEVIATIONS	0.037	0.093	0.105	0.115	0.411	0.520
	0.506	0.293	0.407	0.311	0.263	0.067

SUBSURFACE INFLOW INTO LAYER 3

TOTALS	0.2169	0.1960	0.2169	0.2100	0.2169	0.2100
	0.2169	0.2169	0.2100	0.2169	0.2100	0.2169

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	1.1177	0.7093	0.8982	3.0268	4.9943	1.8656
	1.5198	1.3875	1.4131	1.5317	1.7134	1.6392

STD. DEVIATIONS	0.2041	0.0749	0.4878	1.8861	1.0528	0.3887
	0.4794	0.4974	0.9627	0.6702	0.8971	0.5564

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0034	0.0023	0.0027	0.0094	0.0150	0.0058
	0.0046	0.0042	0.0044	0.0046	0.0053	0.0049

STD. DEVIATIONS	0.0006	0.0002	0.0015	0.0058	0.0032	0.0012
	0.0014	0.0015	0.0030	0.0020	0.0028	0.0017

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	10.226 (0.9888)	37118.55	34.871
SUBSURFACE INFLOW INTO LAYER 3	2.55441	9272.289	8.71089
LATERAL DRAINAGE COLLECTED FROM LAYER 3	21.81660 (3.94319)	79192.546	74.39773
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.009	0.00001
AVERAGE HEAD ON TOP OF LAYER 4	0.006 (0.001)		
CHANGE IN WATER STORAGE	-0.162 (1.4493)	-586.72	-0.551

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYY)

	(INCHES)	(CU. FT.)
PRECIPITATION	3.23	11724.64445 2421995
RUNOFF	0.000	0.00000 0
DRAINAGE COLLECTED FROM LAYER 3	0.74127	2690.73665 1251993
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.000000	0.00004 1251993
AVERAGE HEAD ON TOP OF LAYER 4	0.069	
MAXIMUM HEAD ON TOP OF LAYER 4	0.136	
LOCATION OF MAXIMUM HEAD IN LAYER 3 (DISTANCE FROM DRAIN)	2.6 FEET	
SNOW WATER	8.77	31823.0757 771996
MAXIMUM VEG. SOIL WATER (VOL/VOL)	0.3500	
MINIMUM VEG. SOIL WATER (VOL/VOL)	0.0005	

*** 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 1997

272	0.11	0.000	0.042	0.0239	0.0099	.1066	.6803E-08
273	0.36	0.000	0.068	0.0597	0.0111	.1193	.6803E-08
274	0.03	0.000	0.065	0.0486	0.0115	.1241	.6803E-08
275	0.00	0.000	0.083	0.0331	0.0117	.1254	.6803E-08
276	0.00	0.000	0.078	0.0171	0.0115	.1235	.6803E-08
277	0.00	0.000	0.068	0.0017	0.0127	.1362	.6803E-08
278	0.00	0.000	0.004	0.0005	0.0135	.1456	.6803E-08
279	0.38	0.000	0.037	0.0434	0.0125	.1342	.6803E-08
280	0.08	0.000	0.070	0.0446	0.0093	.1000	.6803E-08
281	0.00	0.000	0.082	0.0329	0.0079	.8501E-01	.6803E-08
282	0.20	0.000	0.075	0.0436	0.0065	.6972E-01	.6803E-08
283	0.02	0.000	0.079	0.0344	0.0070	.7551E-01	.6803E-08
284	0.00	0.000	0.054	0.0239	0.0079	.8481E-01	.6803E-08
285	0.20	0.000	0.080	0.0375	0.0077	.8288E-01	.6803E-08
286	0.10	0.000	0.047	0.0426	0.0087	.9366E-01	.6803E-08
287 *	0.28	0.000	0.029	0.0421	0.0078	.8382E-01	.6803E-08
288 *	0.25	0.000	0.030	0.0392	0.0061	.6513E-01	.6803E-08
289	0.00	0.000	0.032	0.0366	0.0061	.6565E-01	.6803E-08
290 *	0.00	0.000	0.030	0.0365	0.0079	.8457E-01	.6803E-08
291	0.00	0.000	0.039	0.0622	0.0084	.9072E-01	.6803E-08
292	0.00	0.000	0.060	0.0446	0.0055	.5773E-01	.5869E-08
293	0.07	0.000	0.064	0.0384	0.0073	.7878E-01	.6803E-08
294	0.00	0.000	0.058	0.0237	0.0072	.7710E-01	.6803E-08
295 *	0.16	0.000	0.024	0.0223	0.0062	.6705E-01	.6803E-08
296	0.01	0.000	0.033	0.0328	0.0074	.7952E-01	.6803E-08
297	0.00	0.000	0.065	0.0241	0.0057	.6169E-01	.6803E-08
298	0.00	0.000	0.039	0.0189	0.0034	.3663E-01	.6803E-08
299 *	0.00	0.000	0.030	0.0146	0.0021	.2236E-01	.6803E-08
300 *	0.00	0.000	0.000	0.0142	0.0018	.1959E-01	.6803E-08
301 *	0.00	0.000	0.000	0.0139	0.0022	.2388E-01	.6803E-08
302 *	0.00	0.000	0.000	0.0138	0.0028	.2972E-01	.6803E-08
303 *	0.00	0.000	0.000	0.0137	0.0032	.3466E-01	.6803E-08
304 *	0.20	0.000	0.020	0.0161	0.0036	.3881E-01	.6803E-08
305 *	0.04	0.000	0.020	0.0184	0.0039	.4146E-01	.6803E-08
306 *	0.28	0.000	0.019	0.0208	0.0042	.4472E-01	.6803E-08
307 *	0.06	0.000	0.021	0.0230	0.0045	.4831E-01	.6803E-08
308 **	0.31	0.000	0.019	0.0230	0.0046	.4895E-01	.6803E-08
309 **	0.00	0.000	0.026	0.0230	0.0048	.5175E-01	.6803E-08
310 **	0.00	0.000	0.018	0.0230	0.0049	.5290E-01	.6803E-08
311 **	0.00	0.000	0.027	0.0230	0.0050	.5347E-01	.6803E-08
312 **	0.00	0.000	0.023	0.0230	0.0050	.5373E-01	.6803E-08
313 **	0.03	0.000	0.000	0.0230	0.0050	.5378E-01	.6803E-08
314 **	0.08	0.000	0.018	0.0230	0.0050	.5365E-01	.6803E-08
315 *	0.28	0.000	0.000	0.0230	0.0050	.5338E-01	.6803E-08
316 *	0.10	0.000	0.000	0.1257	0.0049	.5298E-01	.6803E-08
317 *	0.04	0.000	0.000	0.1642	0.0049	.5249E-01	.6803E-08
318 *	0.00	0.000	0.000	0.1642	0.0048	.5191E-01	.6803E-08
319 *	0.09	0.000	0.005	0.1748	0.0048	.5128E-01	.6803E-08
320 **	0.05	0.000	0.025	0.1748	0.0047	.5059E-01	.6803E-08
321 **	0.00	0.000	0.021	0.1748	0.0046	.4987E-01	.6803E-08
322 **	0.00	0.000	0.004	0.1748	0.0046	.4913E-01	.6803E-08
323 *	0.10	0.000	0.030	0.1748	0.0045	.4837E-01	.6803E-08
324 *	0.02	0.000	0.031	0.1822	0.0044	.4759E-01	.6803E-08
325 **	0.03	0.000	0.030	0.1822	0.0044	.4682E-01	.6803E-08
326 *	0.00	0.000	0.000	0.1822	0.0043	.4604E-01	.6803E-08
327 *	0.44	0.000	0.004	0.2367	0.0042	.4527E-01	.6803E-08
328 *	0.06	0.000	0.004	0.2436	0.0041	.4451E-01	.6803E-08
329 *	0.03	0.000	0.004	0.2468	0.0041	.4376E-01	.6803E-08
330 *	0.00	0.000	0.000	0.2468	0.0040	.4302E-01	.6803E-08
331 *	0.00	0.000	0.000	0.2468	0.0039	.4229E-01	.6803E-08
332 **	0.00	0.000	0.000	0.2468	0.0039	.4158E-01	.6803E-08
333 *	0.00	0.000	0.000	0.2468	0.0038	.4088E-01	.6803E-08
334 *	0.00	0.000	0.000	0.2468	0.0037	.4020E-01	.6803E-08
335 *	0.00	0.000	0.000	0.2468	0.0037	.3953E-01	.6803E-08
336 *	0.00	0.000	0.000	0.2468	0.0036	.3888E-01	.6803E-08
337 *	0.00	0.000	0.000	0.2468	0.0036	.3825E-01	.6803E-08
338 **	0.14	0.000	0.019	0.2468	0.0035	.3763E-01	.6803E-08
339 **	0.25	0.000	0.014	0.2468	0.0034	.3703E-01	.6803E-08
340 **	0.26	0.000	0.011	0.2468	0.0034	.3645E-01	.6803E-08
341 *	0.22	0.000	0.015	0.2468	0.0033	.3588E-01	.6803E-08
342 **	0.00	0.000	0.014	0.2468	0.0033	.3532E-01	.6803E-08
343 **	0.00	0.000	0.010	0.2468	0.0032	.3478E-01	.6803E-08
344 **	0.00	0.000	0.010	0.2468	0.0032	.3426E-01	.6803E-08
345 **	0.00	0.000	0.011	0.2468	0.0031	.3375E-01	.6803E-08
346 **	0.00	0.000	0.000	0.2468	0.0031	.3325E-01	.6803E-08
347 **	0.00	0.000	0.016	0.2468	0.0030	.3277E-01	.6803E-08
348 **	0.00	0.000	0.000	0.2468	0.0030	.3230E-01	.6803E-08
349 **	0.00	0.000	0.023	0.2468	0.0030	.3184E-01	.6803E-08
350 *	0.00	0.000	0.017	0.2468	0.0029	.3140E-01	.6803E-08
351 **	0.00	0.000	0.019	0.2468	0.0029	.3096E-01	.6803E-08
352 **	0.00	0.000	0.024	0.2468	0.0028	.3054E-01	.6803E-08
353 **	0.00	0.000	0.031	0.2468	0.0028	.3013E-01	.6803E-08

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354	*	*	0.00	0.000	0.020	0.2468	0.0028	.2973E-01	.6803E-08
355	*	*	0.00	0.000	0.020	0.2468	0.0027	.2934E-01	.6803E-08
356	*	*	0.00	0.000	0.020	0.2468	0.0027	.2896E-01	.6803E-08
357	*	*	0.00	0.000	0.021	0.2468	0.0027	.2859E-01	.6803E-08
358	*	*	0.00	0.000	0.023	0.2468	0.0026	.2823E-01	.6803E-08
359	*	*	0.00	0.000	0.026	0.2468	0.0026	.2788E-01	.6803E-08
360	*	*	0.00	0.000	0.025	0.2468	0.0026	.2753E-01	.6803E-08
361	*	*	0.04	0.000	0.015	0.2468	0.0025	.2720E-01	.6803E-08
362	*	*	0.00	0.000	0.013	0.2468	0.0025	.2687E-01	.6803E-08
363	*	*	0.18	0.000	0.012	0.2468	0.0025	.2656E-01	.6803E-08
364	*	*	0.11	0.000	0.000	0.2468	0.0024	.2625E-01	.6803E-08
365	*	*	0.06	0.000	0.000	0.2468	0.0024	.2594E-01	.6803E-08

MONTHLY TOTALS (IN INCHES) FOR YEAR 1997

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

PRECIPITATION	4.25	0.49	2.13	0.36	2.12	1.74
	2.08	1.88	4.44	1.98	2.04	1.26
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	0.303	0.292	0.450	0.309	1.607	0.828
	1.568	0.879	0.835	1.377	0.350	0.430
SUBSURFACE INFLOW INTO LAYER 3	0.1178	0.1064	0.1178	0.1140	0.1178	0.1140
	0.1178	0.1178	0.1140	0.1178	0.1140	0.1178
LATERAL DRAINAGE COLLECTED FROM LAYER 3	1.1025	0.6699	0.4627	2.8610	3.5321	1.8626
	0.8445	0.8820	0.9342	2.3981	1.4447	0.9880
PERCOLATION/LEAKAGE THROUGH LAYER 5	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	0.003	0.002	0.001	0.009	0.011	0.006
	0.003	0.003	0.003	0.007	0.004	0.003
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 4	0.000	0.000	0.001	0.005	0.005	0.001
	0.001	0.001	0.003	0.003	0.000	0.000

ANNUAL TOTALS FOR YEAR 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	24.77	89913.140	100.00
RUNOFF	0.000	0.000	0.00
EVAPOTRANSPIRATION	9.228	33497.864	37.26
SUBSURFACE INFLOW INTO LAYER 3	1.387253	5035.618	5.60
DRAINAGE COLLECTED FROM LAYER 3	17.9824	65274.642	72.60
PERC./LEAKAGE THROUGH LAYER 5	0.000002	0.009	0.00
AVG. HEAD ON TOP OF LAYER 4	0.0046		
CHANGE IN WATER STORAGE	-1.053	-3823.756	-4.25
SOIL WATER AT START OF YEAR	12.952	47013.633	

SOIL WATER AT END OF YEAR	13.616	49426.190	
SNOW WATER AT START OF YEAR	2.548	9248.276	10.29
SNOW WATER AT END OF YEAR	0.830	3011.963	3.35
ANNUAL WATER BUDGET BALANCE	0.0000	-0.001	0.00

AVERAGE MONTHLY VALUES IN INCHES FOR YEARS 1991 THROUGH 1997

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

TOTALS	3.58	1.63	1.70	1.84	2.64	2.08
	2.76	2.55	3.29	2.46	2.63	2.16

STD. DEVIATIONS	1.09	0.97	0.93	0.87	0.84	1.32
	1.18	1.40	0.89	0.81	0.91	0.99

RUNOFF

TOTALS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

STD. DEVIATIONS	0.000	0.000	0.000	0.000	0.000	0.000
	0.000	0.000	0.000	0.000	0.000	0.000

EVAPOTRANSPIRATION

TOTALS	0.289	0.395	0.437	0.390	1.126	1.084
	1.561	1.276	1.369	1.059	0.690	0.381

STD. DEVIATIONS	0.037	0.093	0.103	0.120	0.447	0.501
	0.461	0.292	0.393	0.323	0.250	0.067

SUBSURFACE INFLOW INTO LAYER 3

TOTALS	0.1178	0.1064	0.1178	0.1140	0.1178	0.1140
	0.1178	0.1178	0.1140	0.1178	0.1140	0.1178

LATERAL DRAINAGE COLLECTED FROM LAYER 3

TOTALS	1.1136	0.6806	0.5229	2.8253	4.8698	2.0054
	1.4473	1.3989	1.3099	1.4603	1.5716	1.6379

STD. DEVIATIONS	0.2300	0.0836	0.0601	2.2075	0.9791	0.4726
	0.4817	0.5593	0.9383	0.7818	0.8816	0.5532

PERCOLATION/LEAKAGE THROUGH LAYER 5

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	0.0033	0.0022	0.0016	0.0088	0.0146	0.0062
	0.0043	0.0042	0.0041	0.0044	0.0049	0.0049

STD. DEVIATIONS	0.0007	0.0003	0.0002	0.0068	0.0030	0.0015
	0.0014	0.0017	0.0029	0.0023	0.0027	0.0017

AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1991 THROUGH 1997

	INCHES	CU. FEET	PERCENT
PRECIPITATION	29.32 (4.758)	106444.8	100.00
RUNOFF	0.000 (0.0000)	0.00	0.000
EVAPOTRANSPIRATION	10.056 (0.9035)	36502.92	34.293
SUBSURFACE INFLOW INTO LAYER 3	1.38725	5035.618	4.73073
LATERAL DRAINAGE COLLECTED FROM LAYER 3	20.84346 (4.04981)	75660.104	71.07917
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.00000 (0.00000)	0.009	0.00001
AVERAGE HEAD ON TOP OF LAYER 4	0.005 (0.001)		
CHANGE IN WATER STORAGE	-0.187 (1.4645)	-678.63	-0.638

PEAK DAILY VALUES FOR YEARS 1991 THROUGH 1997 and their dates (DDDDYYY)

	(INCHES)	(CU. FT.)	
PRECIPITATION	3.23	11724.64445	2421995
RUNOFF	0.000	0.00000	0
DRAINAGE COLLECTED FROM LAYER 3	0.34645	1257.58702	1261993
PERCOLATION/LEAKAGE THROUGH LAYER 5	0.000000	0.00002	921991
AVERAGE HEAD ON TOP OF LAYER 4	0.032		
MAXIMUM HEAD ON TOP OF LAYER 4	0.064		
LOCATION OF MAXIMUM HEAD IN LAYER 3 (DISTANCE FROM DRAIN)	1.4 FEET		
SNOW WATER	8.77	31823.0757	771996
MAXIMUM VEG. SOIL WATER (VOL/VOL)		0.3500	
MINIMUM VEG. SOIL WATER (VOL/VOL)		0.0005	

*** 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 1997