0041

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 11, 1984

Mr. Ben Grimes
Environmental Coordinator
Plateau Mining Company
P. O. Drawer PMC
Price, Utah 84501

Dear Mr. Grimes:

Re: Approval of Sediment Control Plan Decant Pipe Modifications for Sediment Ponds No. 4, 5 and 6, Starpoint Mines, Plateau Mining Company, ACT/007/006, #2, #3 and #4, Carbon County, Utah

The Division's technical staff has reviewed Plateau Mining Company's proposed plans for decant pipe modifications for sediment ponds 4, 5 and 6, received August, 1983, July 27, 1984 and September 24, 1984. Modifications call for a small diameter orifice to be opened in the spillway riser at the top of the sediment storage level. The orifice is sized to provide a detention time sufficient to allow compliance with settleable solids effluent limitations.

Based on the review, the Division finds the modification plans to be acceptible with compliance to stipulations. Therefore, the Division hereby approves the decant modifications with the following stipulation:

1. For ponds No. 4, 5 and 6, an oil skimmer and trash screen must be placed such that discharges will enter the orifice from the underside of the oil skimmer and the orifice will not be plugged by debris.

In accordance with your committment to submit as built plans, the oil skimmer-trash screen should be included on these revised plans and should be submitted within 30 days of completion of pond modifications.

If you have any questions, please call.

Sincerely,

D. Wayne Hedberg

D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

TJS:jvb
cc: A. Klein
R. Hagen
J. Helfrich
B. Kale
S. Linner
J. Smith
T. Suchoski
98500-30 & 31

ORIGINAL

LE: ACT/007/006 #3, #15 (red book)

PLATEAU MINING COMPANY

A Subsidiary of Getty Mining Company

P.O. Drawer PMC Price, Utah 84501

Telephone (801) 637-2875

RECEIVED

SEP 24 1984

DIVISION OF OIL GAS & MINING

September 19, 1984

Mr. D. Wayne Hedburg
Utah Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

RE: Plateau Mining Company, Sedimentation Ponds 4, 5 and 6

Dear Wayne:

In response to comments made in a meeting with your technical staff on August 17, 1984, Plateau Mining Company (PMC) has revised the analysis used to design automatic dewatering devices for Ponds 4, 5 and 6 at the Star Point Mine. The DEPOSITS model has been used to derive inflow-outflow hydrographs and sedimentgraphs, given designs for the impoundments and outlet works submitted to the UDOGM on July 26, 1983. Enclosed with this letter are the following revised materials:

1. Existing designs for the impoundments;

2. Outlet works design modifications;

3. DEPOSITS model output.

The inflow hydrograph calculated by the DEPOSITS model is derived by applying the 10-year, 24-hour SCS Type II storm and the SCS unit hydrograph to derive the runoff response. The outflow hydrograph is derived by calculating the cumulative volume in the pond and applying stage-storage relationships to determine head on the decant orifice, which is used in the orifice equation to derive the discharge. The outflow sedimentgraph is derived by applying the variable rates of inflow and outflow to determine detention time, and applying particle size distributions to Stokes' Law in a transient analysis.

The output from the DEPOSIT model runs for each sedimentation pond shows that the automatic dewatering device proposed will provide sufficient detention time to achieve discharge water quality in compliance with effluent limitations. The automatic dewatering device has additional advantages as follows: (1) little or no maintenance of mechanical apparatus; (2) efficient dewatering of detention volumes allowing treatment of multiple storm runoff events; and (3) reduced time of containment resulting in less water loss and salt loading from evaporation. Thus the corrective measures outlined in the original July 26, 1983 submittal will be achieved.

The proposed outlet works assembly will replace the dewatering devices currently in use at Ponds 4, 5 and 6. The location of the dewatering devices are shown on the existing design drawings submitted. The elevation of the orifice holes is the sediment storage level in each pond. The elevation of the top of the riser pipe is the level of the 10-year, 24-hour runoff plus sediment storage in each pond. PMC plans to implement the modified designs in the Fall of 1984 in preparation for the Spring runoff season in 1985. As-built drawings will be submitted to the UDOGM for each pond after construction.

The enclosed materials should satisfy comments made in your June 21, 1984 letter and the August 17, 1984 meeting. Please contact Ben Grimes at (801) 637-2875 or Jeff Saunders at (303) 879-4426 with any questions on the enclosed materials.

Sincerely,

Jeff Saunders

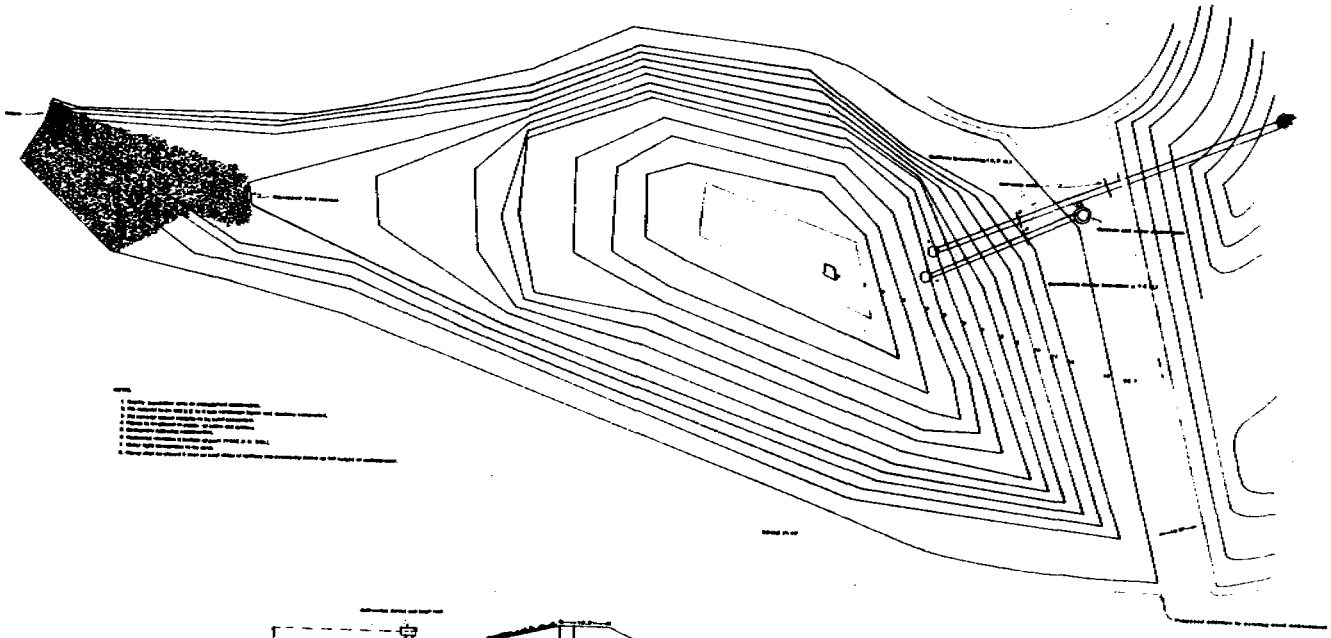
Geoffrey P. Saunders
Staff Hyrologist
Environmental Services Group

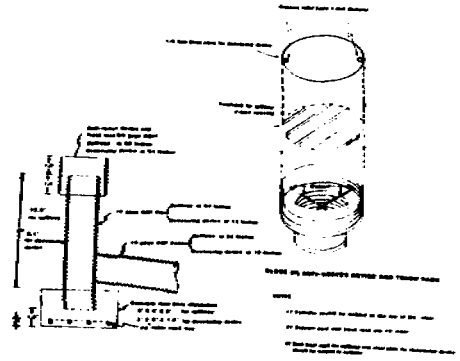
GPS/fc

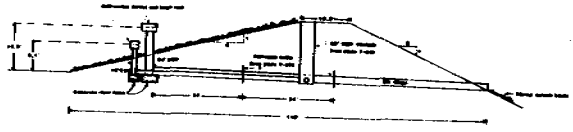
Enclosures

cc: Kent Crofts
Ben Grimes

EXISTING DESIGNS FOR THE IMPOUNDMENTS







NOT TO SCALE

PLATE 7-12 DESIGN DETAILS OF SEDIMENTATION POND NO. 4

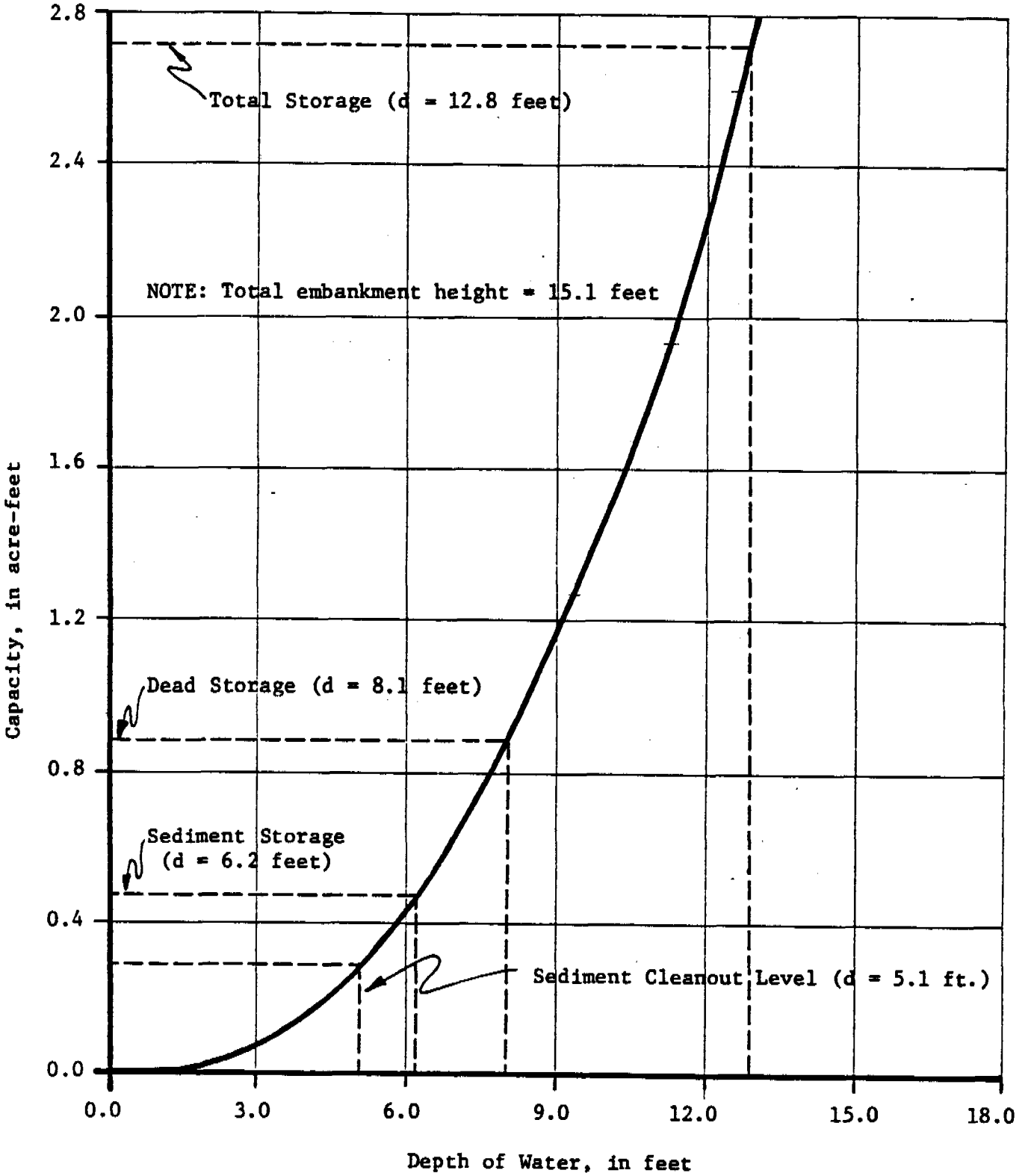
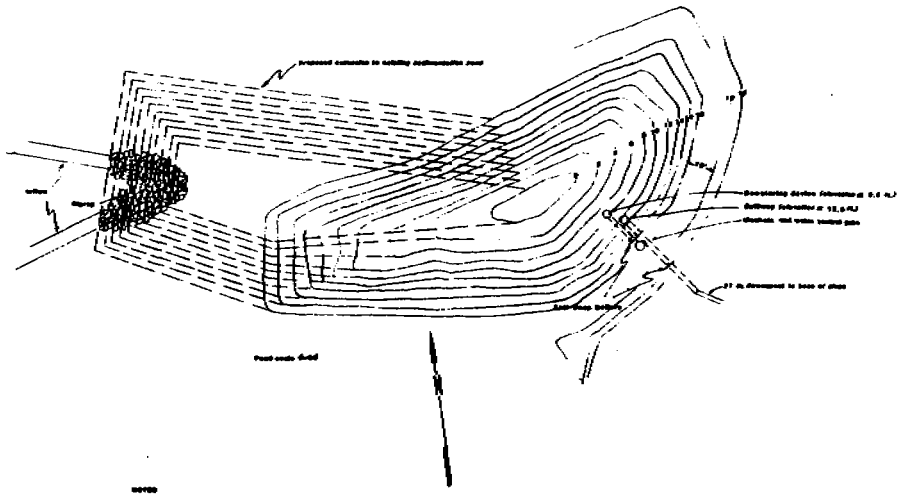
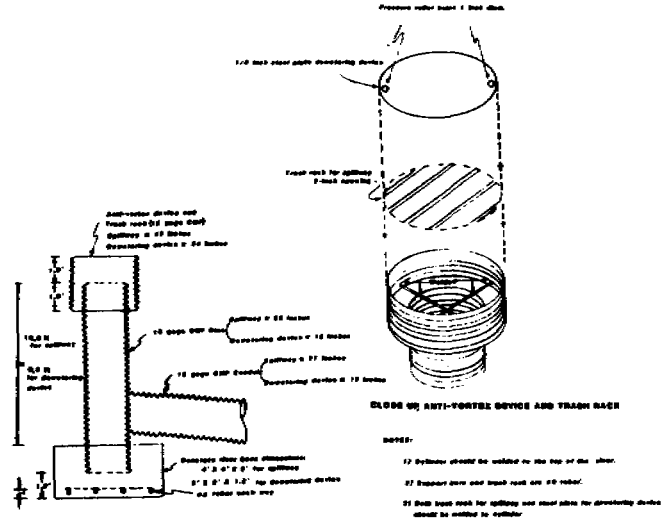
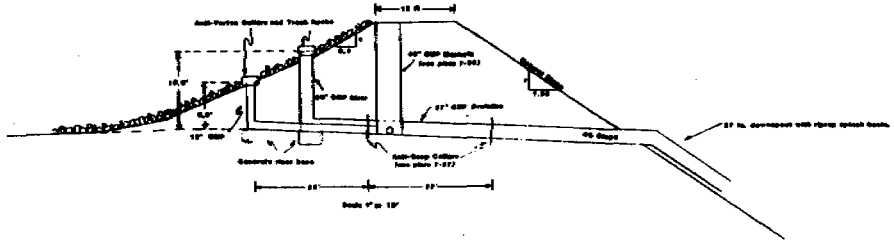


FIGURE 7-14. Stage-capacity curve for sedimentation Pond No. 4.







NOT TO SCALE

I. VAUGHN E. HANSEN, CERTIFY THAT THIS PLATE WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION AND THAT ALL INFORMATION, LOCATIONS, OR CONSTRUCTION DETAILS HEREIN ARE CORRECT.

SIGNATURE Vaughn E. Hansen

UTAH ENG. REGISTRATION NO. 1290

DATE May 12, 1981

PLATE 7-13 DESIGN DETAILS OF SEDIMENTATION POND NO. 5

PLATEAU MINING COMPANY

Prepared by

VAUGHN HANSEN ASSOCIATES

Salt Lake City Utah

May, 1981

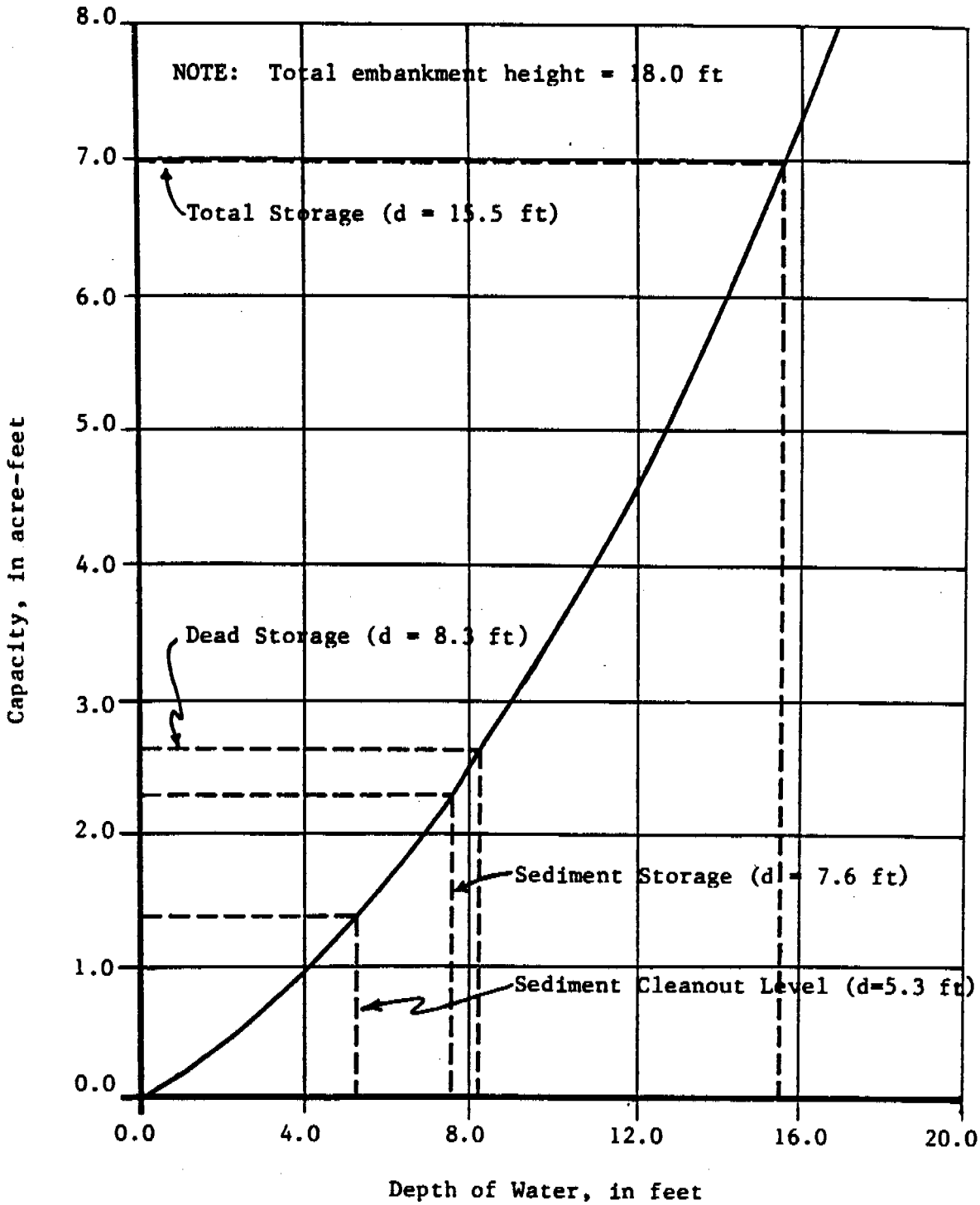
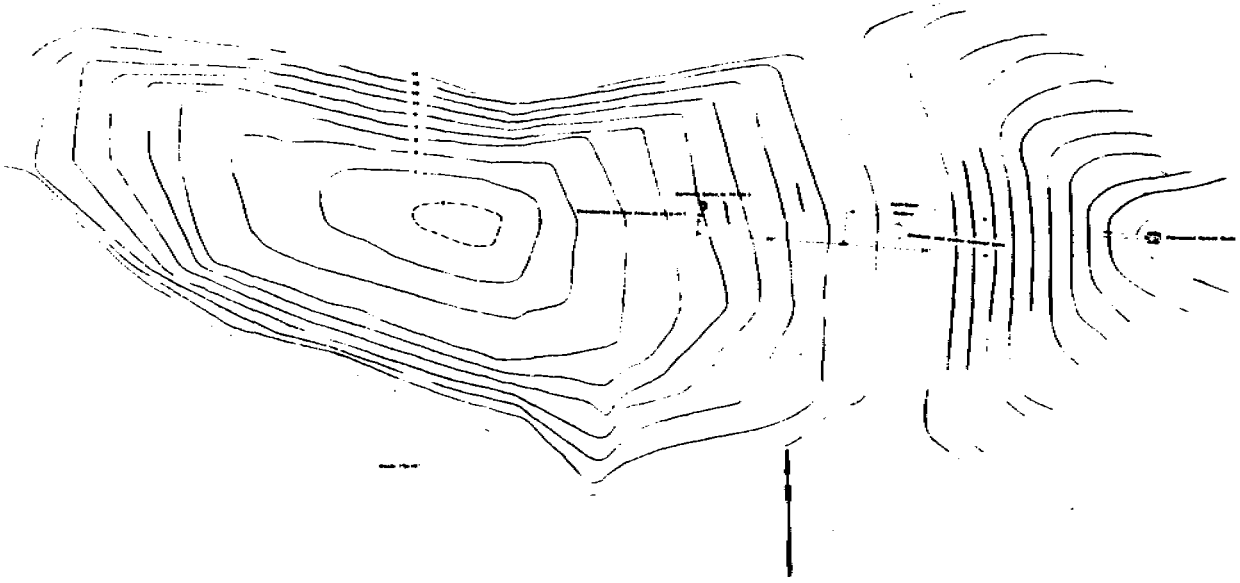
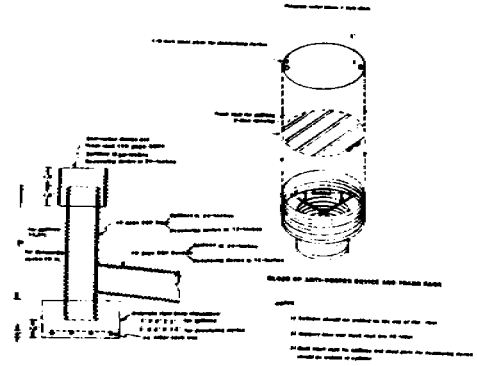
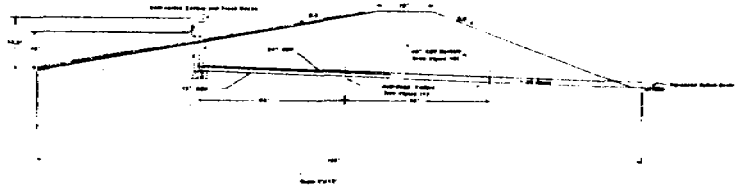


FIGURE 7-15. Stage-Capacity Curve for Sedimentation Pond 5







NOT TO SCALE

PLATE 7-14 DESIGN DETAILS OF SEDIMENTATION POND NO.6

PLATEAU MINING COMPANY

Prepared by

HARDING LAWSON ASSOCIATES

Salt Lake City, Utah

Dec, 1981

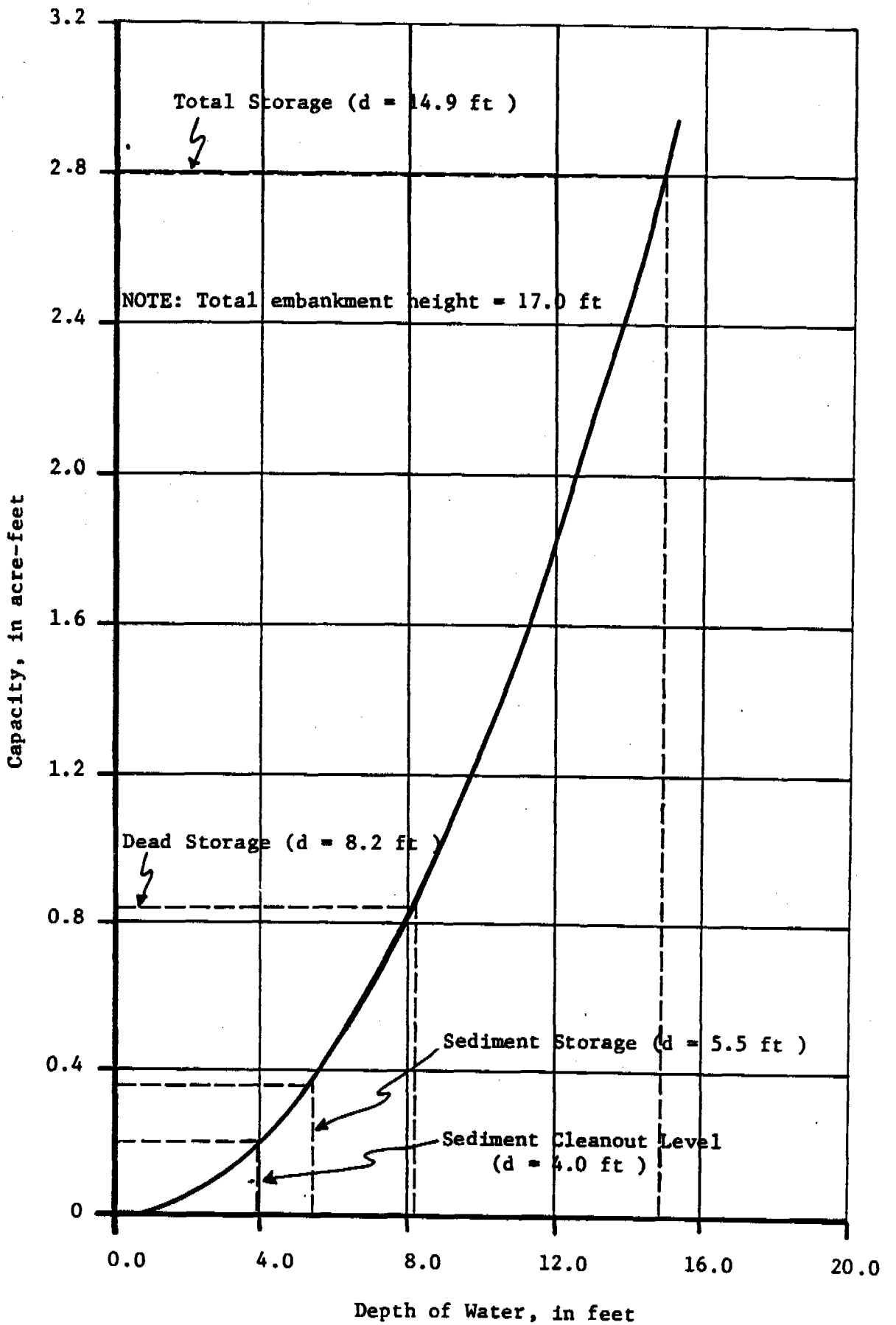


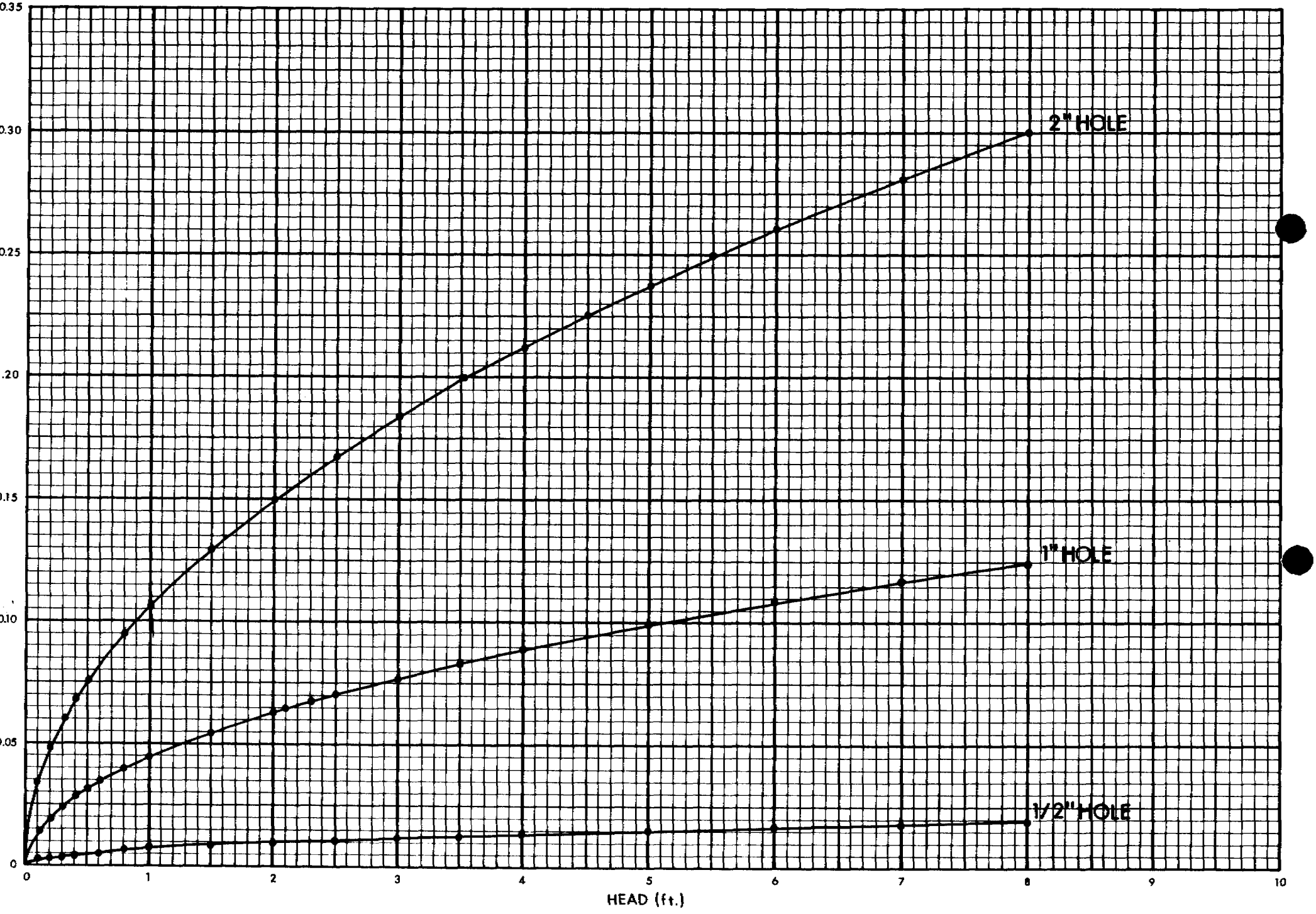
FIGURE 7-16. Stage-Capacity Curve for Sedimentation Pond 6

OUTLET WORKS DESIGN MODIFICATIONS

SEDIMENTATION POND DESIGN SUMMARY

	POND NO. 4	POND NO. 5	POND NO. 6
Tributary Area (ac)	26.9	96.6	31.0
Watershed Slope (%)	22.0	26.6	17.9
Hydraulic Length (ft.)	3690	7560	3550
Curve Number	84	78	71
10-yr, 24-hr Precip. (in)	2.1	2.1	2.1
10-yr, 24-hr Runoff (in)	0.815	0.541	0.306
10-yr, 24-hr Runoff (ac-ft)	1.83	4.35	0.79
Peak Inflow (cfs)	22.3	31.7	5.3
Time of Concentration (hr)	0.2	0.4	0.3
Time of Peak (hr)	12.15	12.35	12.25
Sediment Storage (ac-ft)	0.43	1.80	0.2
Decant Orifice Diameter (in)	1"	2"	1"
Peak Outflow (cfs)	0.18	0.27	0.05
Peak Inflow TSS (mg/l)	294.0	470.7	1020.0
Average Inflow TSS (mg/l)	9.8	5.8	32.6
Peak Outflow TSS (mg/l)	15.2	6.8	38.2
Average Outflow TSS (mg/l)	5.0	0.4	12.7
Trap Efficiency (%)	98.1	99.9	98.6
Detention Time (hr)	37.9	44.9	44.4

RISER PIPE RATING CURVES



PARTICLE SIZE ANALYSIS

POND NO. 4

Microns	mm	% Count	Weight %	% Finer
0-10	0-.010	65.01%	88.41	34.99%
10-25	.010-.025	22.54%	30.65	77.46%
25-50	.025-.050	6.50%	8.84%	93.50%
50-100	.050-.100	4.77%	6.49	95.23%
100-150	.100-.150	1.08%	1.47	98.92%
150 & up	.150 & up	0.10%	0.14	99.90%

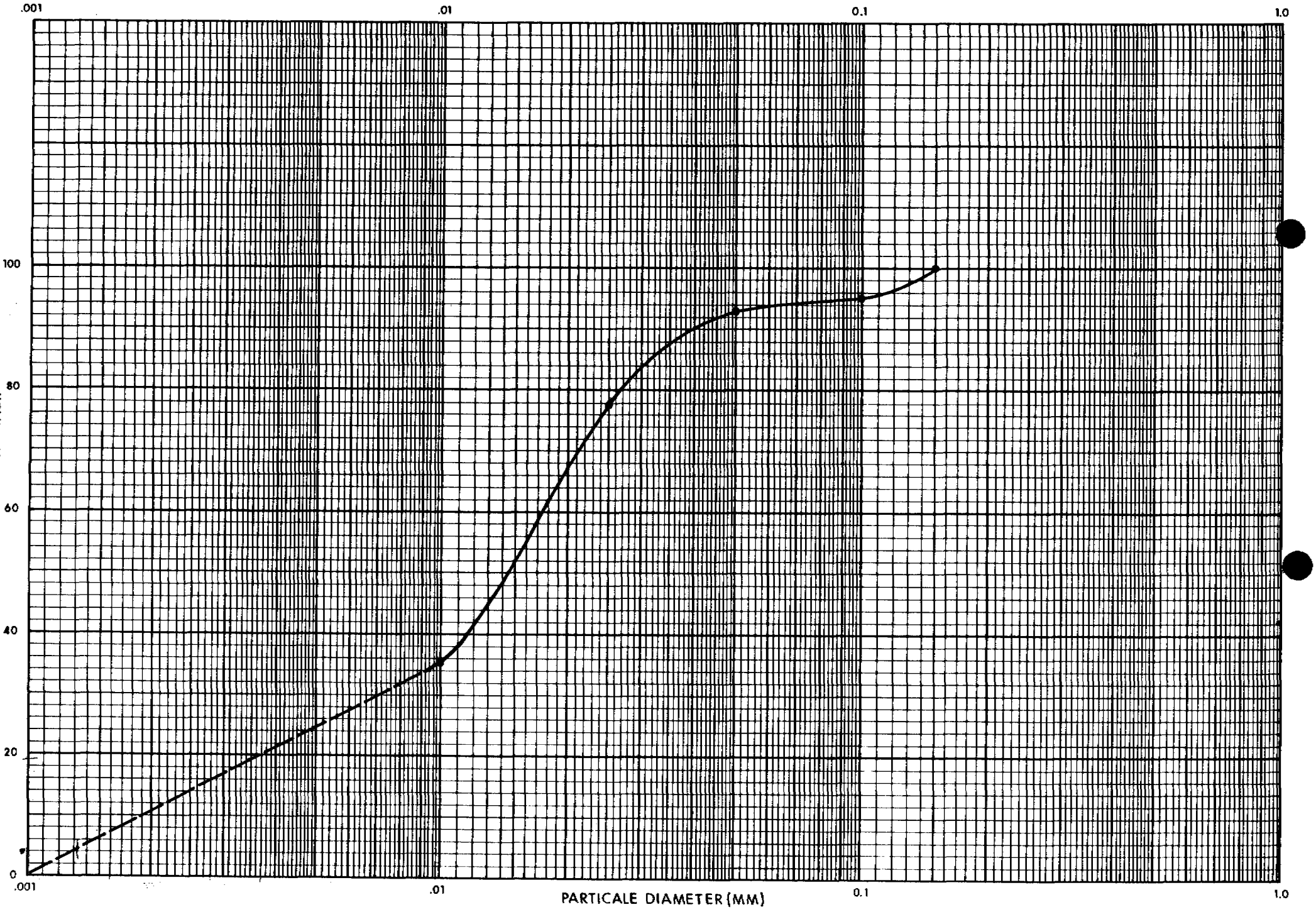
POND NO. 5

Microns	mm	% Count	Weight %	% Finer
0-10	0-.010	70.66%	93.29	29.34%
10-25	.010-.025	16.19%	21.37	83.81%
25-50	.025-.050	8.10%	10.69	91.9%
50-100	.050-.100	4.42%	5.83	95.58%
100-150	.100-.150	0.59%	0.78	99.41%
150 & up	.150 & up	0.04%	0.06	99.96%

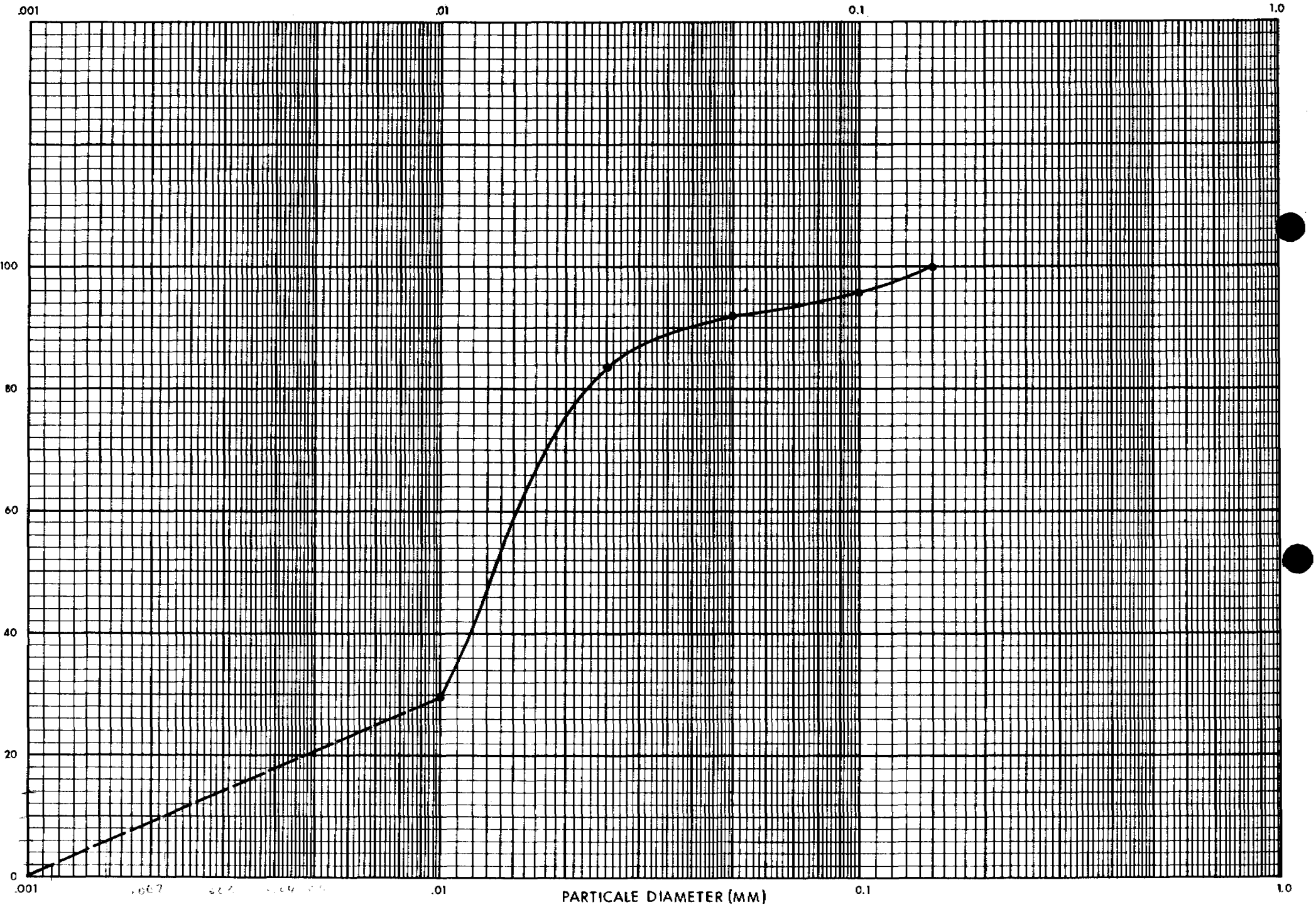
POND NO. 6

Microns	mm	% Count	Weight %	% Finer
0-10	0-.010	65.61%	93.16	34.39%
10-25	.010-.025	22.71%	22.25	77.29%
25-50	.025-.050	6.56%	9.32	93.44%
50-100	.050-.100	4.54%	6.45	95.46%
100-150	.100-.150	0.50%	0.72	99.50%
150 & up	.150 & up	0.08%	0.11	99.92%

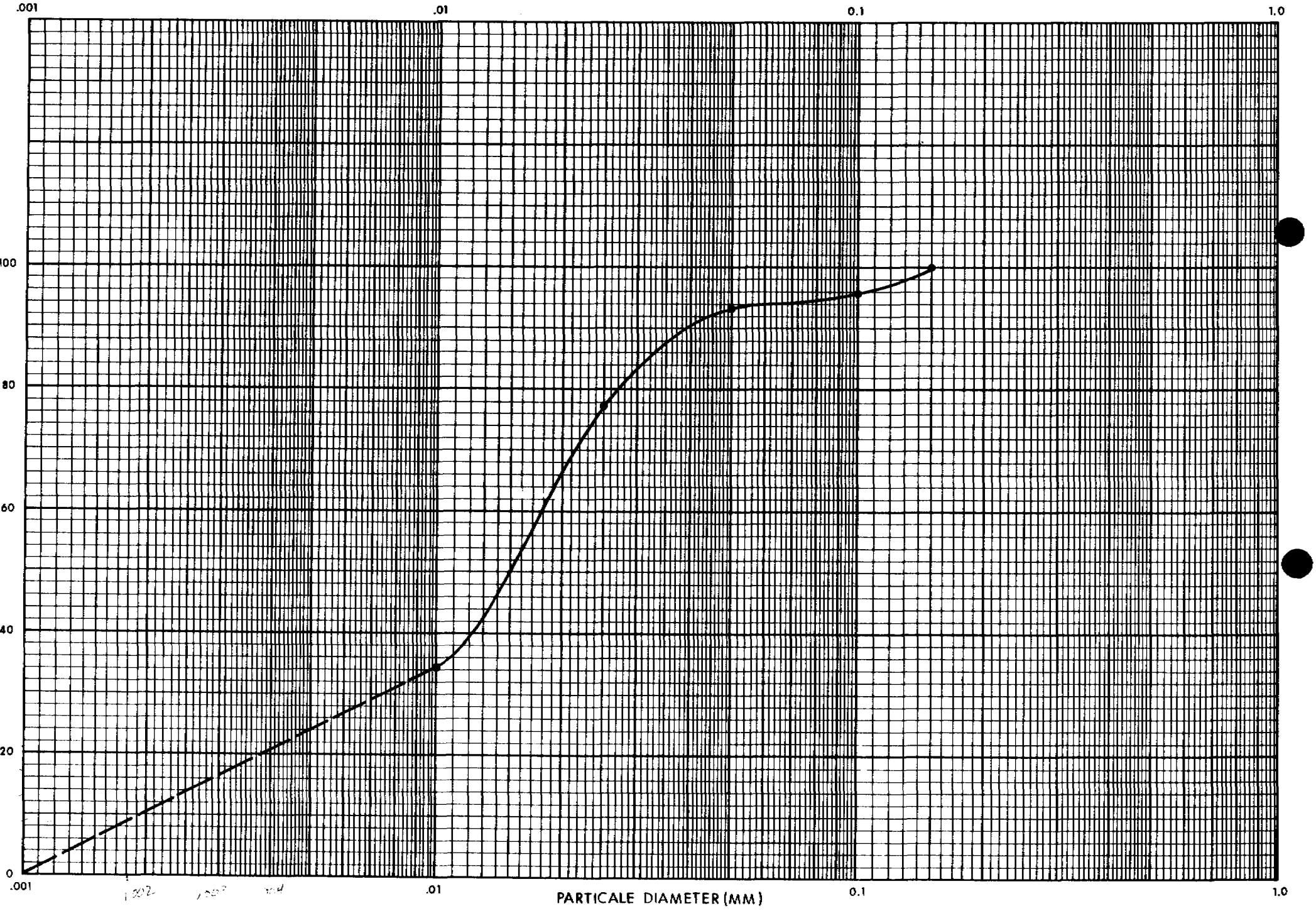
SEDIMENT SIZE DISTRIBUTION - POND NO. 4



SEDIMENT SIZE DISTRIBUTION - POND NO. 5



SEDIMENT SIZE DISTRIBUTION - POND NO. 6



DEPOSITS MODEL OUTPUT

PMC Pond 4

PMC Pond 4

1

********** THE WASH PROGRAM DETERMINES A WATERSHED STORM HYDROGRAPH **********

***** WATERSHED CONDITIONS *****

AREA = 26.9 ACRES SLOPE = 22.000 % LENGTH = 3690.0 FT RAIN = 2.10 INCHES TIME = 24.00 HRS

***** HYDROGRAPH PARAMETERS *****

CL =1.000 CI =1.000 D =0.050 CN = 84.000 DELTAT = 0.25

ITP = 1 TP =0.200HRS QPCFS = 101.72 CFS QPIN = 3.750 IN/HR

***** UNIT HYDROGRAPH *****

0.00	9.69	49.83	88.50	101.72	92.11	71.73	50.34	32.74	20.09
11.77	6.65	3.64	1.94	1.01	0.52	0.26	0.13	0.06	0.03
0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00

********** STORM HYDROGRAPH GENERATED FROM START OF RUNOFF **********

TIME *	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
0.00 *	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.10
0.50 *	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
1.00 *	0.21	0.22	0.23	0.25	0.27	0.30	0.33	0.38	0.47	0.61
1.50 *	0.77	0.95	1.19	1.48	1.80	2.24	3.21	4.81	6.78	9.00
2.00 *	11.83	15.24	18.90	21.90	22.26	19.90	16.15	12.35	9.22	6.93
2.50 *	5.41	4.46	3.89	3.55	3.35	3.24	3.17	3.12	3.08	3.05
3.00 *	3.02	2.99	2.97	2.94	2.91	2.88	2.86	2.83	2.80	2.77
3.50 *	2.74	2.71	2.68	2.65	2.62	2.59	2.55	2.52	2.49	2.46
4.00 *	2.42	2.39	2.35	2.30	2.18	1.98	1.76	1.56	1.41	1.30
4.50 *	1.22	1.18	1.15	1.13	1.12	1.11	1.11	1.10	1.10	1.09
5.00 *	1.09	1.09	1.08	1.08	1.08	1.07	1.07	1.06	1.06	1.06
5.50 *	1.05	1.05	1.05	1.04	1.04	1.03	1.03	1.03	1.02	1.02
6.00 *	1.01	1.01	1.01	1.00	1.00	0.99	0.99	0.99	0.98	0.98
6.50 *	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.94
7.00 *	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.89
7.50 *	0.89	0.88	0.88	0.88	0.87	0.87	0.86	0.86	0.85	0.85
8.00 *	0.85	0.84	0.84	0.83	0.83	0.82	0.82	0.81	0.81	0.80
8.50 *	0.80	0.80	0.79	0.79	0.78	0.78	0.77	0.77	0.76	0.76
9.00 *	0.76	0.75	0.75	0.74	0.74	0.73	0.73	0.72	0.72	0.71
9.50 *	0.71	0.70	0.70	0.69	0.69	0.69	0.68	0.68	0.67	0.67
10.00 *	0.66	0.66	0.65	0.65	0.64	0.64	0.63	0.63	0.62	0.62
10.50 *	0.61	0.61	0.60	0.60	0.59	0.59	0.59	0.58	0.57	0.57
11.00 *	0.57	0.56	0.56	0.55	0.55	0.54	0.54	0.53	0.53	0.52
11.50 *	0.52	0.51	0.51	0.50	0.50	0.49	0.49	0.48	0.48	0.47
12.00 *	0.47	0.46	0.46	0.45	0.45	0.44	0.44	0.43	0.43	0.42
12.50 *	0.42	0.41	0.41	0.40	0.40	0.39	0.39	0.38	0.38	0.37
13.00 *	0.37	0.36	0.36	0.35	0.35	0.34	0.34	0.33	0.33	0.32
13.50 *	0.32	0.31	0.31	0.30	0.30	0.29	0.29	0.28	0.28	0.27
14.00 *	0.27	0.26	0.23	0.19	0.14	0.09	0.06	0.04	0.02	0.01
14.50 *	0.01	0.00								

THE DEPTH OF WATER ON WATERSHED = 0.815 INCHES

VOLUME OF RUNOFF = 1.83 ACRE-FT

PEAK RUNOFF RATE = 22.3 CFS

TIME OF PEAK RUNOFF = 12.15 HRS

TIME INCR. OF NEW HYDROGRAPH = 0.25 HRS

****** STORM HYDROGRAPH GENERATED FROM START OF RUNOFF *******

0.1	0.1	0.1	0.2	0.3	0.6	1.8	9.0	22.3	6.9
3.4	3.1	2.9	2.8	2.6	2.5	2.2	1.3	1.1	1.1
1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4
0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.0	0.0	

1
1

********** THE DEPOSITS MODEL. JANUARY 1980 **********

***** INPUT CONTROL VARIABLES *****

MP	M	N	NS	MS	LS
7	59	7	7	400	0

NSTORM	CONSED	DEPOST	FLOW	TRP	FILTER	FIX	FRACTN	FLOWAV
1.00	1.00	1.00	3.00	1.00	1.00	1.00	0.00	0.00

INFLOW SEDIMENT DISTRIBUTION COMPLETE MIXING

MASS	VISCOS	DELTAT	DELPLG	DENSTY	SG	SET	SHORT	SLAG	DEAD
0.310	0.0114	0.25	0.25	1.20	2.65	2.00	1.00	0.00	0.00

***** DEPOSITS ERROR MESSAGES *****

1

***** STORM EVENT SUMMARY *****

PERMANENT POOL CAPACITY	=	0.43	ACRE-FT
DEAD STORAGE	=	0.00	ACRE-FT
STORM RUNOFF VOLUME	=	1.84	ACRE-FT
STORM VOLUME DISCHARGED	=	0.44	ACRE-FT
POND VOLUME AT PEAK STAGE	=	2.14	ACRE-FT
PEAK STAGE	=	11.73	FT
PEAK INFLOW RATE	=	22.26	CFS
PEAK DISCHARGE RATE	=	0.18	CFS
PEAK INFLOW SEDIMENT CONCENTRATION	=	294.0	MG/L
PEAK EFFLUENT SEDIMENT CONCENTRATION	=	15.2	MG/L
STORM AVERAGE EFFLUENT CONCENTRATION	=	9.8	MG/L

AVERAGE EFFLUENT SEDIMENT CONCENTRATION	=	5.0	MG/L
BASIN TRAP EFFICIENCY	=	98.09	%
DETENTION TIME OF FLOW WITH SEDIMENT	=	88.91	HRS
DETENTION TIME FROM HYDROGRAPH CENTERS	=	37.85	HRS
DETENTION TIME INCLUDING STORED FLOW	=	83.11	HRS
SEDIMENT LOAD	=	0.31	TONS

***** PARTICLE SIZE DISTRIBUTION OF SEDIMENT INFLOW *****

SIZE (MM)	0.0000	0.0100	0.0250	0.0500	0.1000	0.1500	0.2000
% FINER	0.0	35.0	77.5	93.5	95.2	98.9	99.9

***** PARTICLE SIZE DISTRIBUTION OF EFFLUENT ******

SIZE (MM)	0.0000	0.0100	0.0250	0.0500	0.1000	0.1500	0.2000
% FINER	0.0	100.0	100.0	100.0	100.0	100.0	100.0

***** OUTFLOW WITHDRAWAL DISTRIBUTION *****

STAGE (FT)	OUTFLOW 1 (%)	OUTFLOW 2 (%)	OUTFLOW 3 (%)	OUTFLOW 4 (%)
0.00	100.00	0.00	0.00	0.00
2.00	100.00	0.00	0.00	0.00
4.00	100.00	0.00	0.00	0.00
6.00	100.00	0.00	0.00	0.00
8.00	100.00	0.00	0.00	0.00
10.00	100.00	0.00	0.00	0.00
12.00	100.00	0.00	0.00	0.00

***** BASIN GEOMETRY *****

STAGE (FT)	AREA (ACRES)	AVERAGE DEPTH (FT)	DISCHARGE (CFS)	CAPACITY (ACRES-FT)
0.0000	0.00000	0.00	0.00	0.00000
2.0000	0.05000	2.00	0.00	0.05000

4.0000	0.05000	3.33	0.00	0.15000
6.0000	0.23000	3.86	0.00	0.43000
8.0000	0.24000	4.80	0.04	0.90000
10.0000	0.26000	6.37	0.05	1.40000
12.0000	0.59000	7.21	0.20	2.25000

1

***** STORM HYDROGRAPHS & SEDIMENTGRAPHS *****

TIME	INFLOW	DISCHARGE	DETENTION TIME	STAGE	DEPTH	SEDIMENT	INFLUENT	EFFLUENT
(HRS)	(CFS)	(CFS)	(HRS)	(FT)	(FT)	(%)	(MG/L)	(MG/L)
0.25	0.10	0.00	0.13	3.00	1.93	0.00	1.5	0.0
0.50	0.15	0.00	0.38	6.01	2.58	0.00	2.4	0.0
0.75	0.20	0.00	0.63	6.03	3.09	0.00	3.3	0.0
1.00	0.27	0.00	0.88	6.04	3.32	0.00	4.4	0.0
1.25	0.61	0.00	1.13	6.07	3.44	0.00	8.2	0.0
1.50	1.80	0.00	1.38	6.15	3.53	0.00	22.6	0.0
1.75	9.00	0.01	1.63	6.43	3.60	0.00	101.6	0.0
2.00	22.26	0.04	1.88	7.36	3.69	0.00	294.0	0.0
2.25	6.93	0.05	2.13	8.64	3.83	0.00	274.6	0.0
2.50	3.35	0.05	2.38	9.46	4.02	0.00	96.7	0.0
2.75	3.05	0.05	2.63	9.80	4.22	0.00	60.2	0.0
3.00	2.91	0.06	2.88	10.01	4.40	0.00	56.1	0.0
3.25	2.77	0.07	3.13	10.17	4.56	0.00	53.4	0.0
3.50	2.62	0.08	3.38	10.30	4.70	0.00	50.6	0.0
3.75	2.46	0.09	3.63	10.42	4.83	0.00	47.7	0.0
4.00	2.18	0.10	3.88	10.53	4.94	0.00	43.6	0.0
4.25	1.30	0.10	4.13	10.63	5.04	0.00	32.7	0.0
4.50	1.12	0.11	4.38	10.69	5.13	0.00	22.7	0.0
4.75	1.09	0.11	4.63	10.75	5.22	0.00	20.8	0.0
5.00	1.08	0.11	4.88	10.79	5.29	0.00	20.4	0.0
5.25	1.06	0.12	5.13	10.84	5.36	0.00	20.1	0.0
5.50	1.04	0.12	5.38	10.89	5.42	0.00	19.7	0.0
5.75	1.02	0.12	5.63	10.93	5.48	0.00	19.3	0.0
6.00	1.00	0.13	5.88	10.97	5.54	0.00	19.0	0.0
6.25	0.98	0.13	6.13	11.02	5.59	0.00	18.6	0.0
6.50	0.96	0.13	6.38	11.06	5.64	0.00	18.2	0.0
6.75	0.94	0.13	6.63	11.10	5.68	0.00	17.8	0.0
7.00	0.91	0.14	6.88	11.14	5.72	0.00	17.4	0.0
7.25	0.89	0.14	7.13	11.18	5.76	0.00	17.0	0.0
7.50	0.87	0.14	7.38	11.21	5.80	0.00	16.6	0.0
7.75	0.85	0.15	7.63	11.25	5.84	0.00	16.2	0.0
8.00	0.83	0.15	7.88	11.28	5.87	0.00	15.8	0.0
8.25	0.80	0.15	8.13	11.31	5.90	0.00	15.4	0.0
8.50	0.78	0.15	8.38	11.35	5.93	0.00	14.9	0.0
8.75	0.76	0.16	8.63	11.38	5.96	0.00	14.5	0.0
9.00	0.74	0.16	8.88	11.41	5.99	0.00	14.1	0.0
9.25	0.71	0.16	9.13	11.43	6.02	0.00	13.6	0.0
9.50	0.69	0.16	9.38	11.46	6.04	0.00	13.2	0.0
9.75	0.67	0.16	9.63	11.49	6.07	0.00	12.8	0.0
10.00	0.64	0.16	9.88	11.51	6.09	0.00	12.3	0.0
10.25	0.62	0.17	10.13	11.53	6.11	0.00	11.9	0.0
10.50	0.59	0.17	10.38	11.56	6.14	0.00	11.4	0.0
10.75	0.57	0.17	10.63	11.58	6.16	0.00	11.0	0.0
11.00	0.55	0.17	10.88	11.60	6.18	0.00	10.5	0.0
11.25	0.52	0.17	11.13	11.62	6.20	0.00	10.0	0.0
11.50	0.50	0.17	11.38	11.63	6.21	0.00	9.6	0.0
11.75	0.47	0.17	11.63	11.65	6.23	0.00	9.1	0.0
12.00	0.45	0.18	11.88	11.66	6.25	0.00	8.7	0.0

12.25	0.42	0.18	12.13	11.68	6.27	0.00	8.2	0.0
12.50	0.40	0.18	12.38	11.69	6.28	0.00	7.7	0.0
12.75	0.37	0.18	12.63	11.70	6.30	0.00	7.2	0.0
13.00	0.35	0.18	12.88	11.71	6.31	0.00	6.8	0.0
13.25	0.32	0.18	13.13	11.72	6.33	0.00	6.3	0.0
13.50	0.30	0.18	13.38	11.72	6.34	0.00	5.8	0.0
13.75	0.27	0.18	13.63	11.73	6.36	0.00	5.3	0.0
14.00	0.14	0.18	13.88	11.73	6.37	0.00	3.8	0.0
14.25	0.01	0.18	14.13	11.73	6.38	0.00	1.4	0.0
14.50	0.00	0.18	14.38	11.72	6.40	0.00	0.1	0.0
14.75	0.00	0.18	14.63	11.71	6.41	0.00	0.0	0.0
15.00	0.00	0.18	14.88	11.71	6.42	0.00	0.0	0.0
15.25	0.00	0.18	15.13	11.70	6.43	0.00	0.0	0.0
15.50	0.00	0.18	15.38	11.69	6.44	0.00	0.0	0.0
15.75	0.00	0.18	15.63	11.68	6.45	0.00	0.0	0.0
16.00	0.00	0.18	15.88	11.67	6.46	0.00	0.0	0.0
16.25	0.00	0.17	16.13	11.66	6.47	0.00	0.0	0.0
16.50	0.00	0.17	16.38	11.65	6.48	0.00	0.0	0.0
16.75	0.00	0.17	16.63	11.65	6.49	0.00	0.0	0.0
17.00	0.00	0.17	16.88	11.64	6.50	0.00	0.0	0.0
17.25	0.00	0.17	17.13	11.63	6.50	0.00	0.0	0.0
17.50	0.00	0.17	17.38	11.62	6.51	0.00	0.0	0.0
17.75	0.00	0.17	17.63	11.61	6.52	0.00	0.0	0.0
18.00	0.00	0.17	17.88	11.60	6.53	0.00	0.0	0.0
18.25	0.00	0.17	18.13	11.60	6.53	0.00	0.0	0.0
18.50	0.00	0.17	18.38	11.59	6.54	0.00	0.0	0.0
18.75	0.00	0.17	18.63	11.58	6.55	0.00	0.0	0.0
19.00	0.00	0.17	18.88	11.57	6.55	0.00	0.0	0.0
19.25	0.00	0.17	19.13	11.56	6.56	0.00	0.0	0.0
19.50	0.00	0.17	19.38	11.55	6.57	0.00	0.0	0.0
19.75	0.00	0.17	19.63	11.55	6.57	0.00	0.0	0.0
20.00	0.00	0.17	19.88	11.54	6.58	0.00	0.0	0.0
20.25	0.00	0.16	20.13	11.53	6.58	0.00	0.0	0.0
20.50	0.00	0.16	20.38	11.52	6.59	0.00	0.0	0.0
20.75	0.00	0.16	20.63	11.51	6.59	0.00	0.0	0.0
21.00	0.00	0.16	20.88	11.51	6.60	0.00	0.0	0.0
21.25	0.00	0.16	21.13	11.50	6.60	0.00	0.0	0.0
21.50	0.00	0.16	21.38	11.49	6.61	0.00	0.0	0.0
21.75	0.00	0.16	21.63	11.48	6.61	0.00	0.0	0.0
22.00	0.00	0.16	21.88	11.47	6.62	0.00	0.0	0.0
22.25	0.00	0.16	22.13	11.47	6.62	0.00	0.0	0.0
22.50	0.00	0.16	22.38	11.46	6.63	0.00	0.0	0.0
22.75	0.00	0.16	22.63	11.45	6.63	0.00	0.0	0.0
23.00	0.00	0.16	22.88	11.44	6.63	0.00	0.0	0.0
23.25	0.00	0.16	23.13	11.44	6.64	0.00	0.0	0.0
23.50	0.00	0.16	23.38	11.43	6.64	0.00	0.0	0.0
23.75	0.00	0.16	23.63	11.42	6.64	0.00	0.0	0.0
24.00	0.00	0.16	23.88	11.41	6.65	0.00	0.0	0.0
24.25	0.00	0.16	24.13	11.41	6.65	0.00	0.0	0.0
24.50	0.00	0.16	24.38	11.40	6.65	0.00	0.0	0.0
24.75	0.00	0.15	24.63	11.39	6.66	0.00	0.0	0.0
25.00	0.00	0.15	24.88	11.38	6.66	0.00	0.0	0.0
25.25	0.00	0.15	25.13	11.38	6.66	0.00	0.0	0.0
25.50	0.00	0.15	25.38	11.37	6.67	0.00	0.0	0.0
25.75	0.00	0.15	25.63	11.36	6.67	0.00	0.0	0.0
26.00	0.00	0.15	25.88	11.35	6.67	0.00	0.0	0.0
26.25	0.00	0.15	26.13	11.35	6.67	0.00	0.0	0.0
26.50	0.00	0.15	26.38	11.34	6.68	0.00	0.0	0.0
26.75	0.00	0.15	26.63	11.33	6.68	0.00	0.0	0.0
27.00	0.00	0.15	26.88	11.32	6.68	0.00	0.0	0.0
27.25	0.00	0.15	27.13	11.32	6.68	0.00	0.0	0.0
27.50	0.00	0.15	27.38	11.31	6.68	0.00	0.0	0.0
27.75	0.00	0.15	27.63	11.30	6.69	0.00	0.0	0.0
28.00	0.00	0.15	27.88	11.29	6.69	0.00	0.0	0.0
28.25	0.00	0.15	28.13	11.29	6.69	0.00	0.0	0.0
28.50	0.00	0.15	28.38	11.28	6.69	0.00	0.0	0.0

28.75	0.00	0.15	28.63	11.27	6.69	0.00	0.0	0.0
29.00	0.00	0.15	28.88	11.27	6.70	0.00	0.0	0.0
29.25	0.00	0.14	29.13	11.26	6.70	0.00	0.0	0.0
29.50	0.00	0.14	29.38	11.25	6.70	0.00	0.0	0.0
29.75	0.00	0.14	29.63	11.25	6.70	0.00	0.0	0.0
30.00	0.00	0.14	29.88	11.24	6.70	0.00	0.0	0.0
30.25	0.00	0.14	30.13	11.23	6.70	0.00	0.0	0.0
30.50	0.00	0.14	30.38	11.22	6.71	0.00	0.0	0.0
30.75	0.00	0.14	30.63	11.22	6.71	0.00	0.0	0.0
31.00	0.00	0.14	30.88	11.21	6.71	0.00	0.0	0.0
31.25	0.00	0.14	31.13	11.20	6.71	0.00	0.0	0.0
31.50	0.00	0.14	31.38	11.20	6.71	0.00	0.0	0.0
31.75	0.00	0.14	31.63	11.19	6.71	0.00	0.0	0.0
32.00	0.00	0.14	31.88	11.18	6.71	0.00	0.0	0.0
32.25	0.00	0.14	32.13	11.18	6.72	0.00	0.0	0.0
32.50	0.00	0.14	32.38	11.17	6.72	0.00	0.0	0.0
32.75	0.00	0.14	32.63	11.16	6.72	0.00	0.0	0.0
33.00	0.00	0.14	32.88	11.16	6.72	0.00	0.0	0.0
33.25	0.00	0.14	33.13	11.15	6.72	0.00	0.0	0.0
33.50	0.00	0.14	33.38	11.14	6.72	0.00	0.0	0.0
33.75	0.00	0.14	33.63	11.14	6.72	0.00	0.0	0.0
34.00	0.00	0.14	33.88	11.13	6.72	0.00	0.0	0.0
34.25	0.00	0.13	34.13	11.12	6.72	0.00	0.0	0.0
34.50	0.00	0.13	34.38	11.12	6.72	0.00	0.0	0.0
34.75	0.00	0.13	34.63	11.11	6.72	0.00	0.0	0.0
35.00	0.00	0.13	34.88	11.10	6.73	0.00	0.0	0.0
35.25	0.00	0.13	35.13	11.10	6.73	0.00	0.0	0.0
35.50	0.00	0.13	35.38	11.09	6.73	0.00	0.0	0.0
35.75	0.00	0.13	35.63	11.08	6.73	0.00	0.0	0.0
36.00	0.00	0.13	35.88	11.08	6.73	0.00	0.0	0.0
36.25	0.00	0.13	36.13	11.07	6.73	0.00	0.0	0.0
36.50	0.00	0.13	36.38	11.06	6.73	0.00	0.0	0.0
36.75	0.00	0.13	36.63	11.06	6.73	0.00	0.0	0.0
37.00	0.00	0.13	36.88	11.05	6.73	0.00	0.0	0.0
37.25	0.00	0.13	37.07	11.05	6.74	0.00	0.0	0.0
37.50	0.00	0.13	37.10	11.04	6.77	0.00	0.0	0.1
37.75	0.00	0.13	37.10	11.03	6.79	0.00	0.0	0.2
38.00	0.00	0.13	37.16	11.03	6.80	0.00	0.0	0.2
38.25	0.00	0.13	37.26	11.02	6.81	0.00	0.0	0.3
38.50	0.00	0.13	37.39	11.01	6.82	0.00	0.0	0.4
38.75	0.00	0.13	37.55	11.01	6.83	0.00	0.0	0.5
39.00	0.00	0.13	37.73	11.00	6.83	0.00	0.0	0.5
39.25	0.00	0.13	37.91	11.00	6.84	0.00	0.0	0.5
39.50	0.00	0.13	38.11	10.99	6.84	0.00	0.0	1.4
39.75	0.00	0.12	38.34	10.98	6.84	0.01	0.0	1.4
40.00	0.00	0.12	38.56	10.98	6.85	0.01	0.0	1.4
40.25	0.00	0.12	38.78	10.97	6.85	0.01	0.0	1.4
40.50	0.00	0.12	39.01	10.97	6.85	0.01	0.0	1.4
40.75	0.00	0.12	39.23	10.96	6.85	0.01	0.0	1.4
41.00	0.00	0.12	39.46	10.95	6.85	0.01	0.0	1.4
41.25	0.00	0.12	39.68	10.95	6.85	0.02	0.0	1.3
41.50	0.00	0.12	39.91	10.94	6.85	0.02	0.0	1.3
41.75	0.00	0.12	40.13	10.94	6.86	0.02	0.0	2.6
42.00	0.00	0.12	40.37	10.93	6.86	0.03	0.0	6.0
42.25	0.00	0.12	40.62	10.92	6.86	0.03	0.0	6.0
42.50	0.00	0.12	40.86	10.92	6.86	0.04	0.0	6.0
42.75	0.00	0.12	41.10	10.91	6.86	0.05	0.0	5.9
43.00	0.00	0.12	41.35	10.91	6.85	0.05	0.0	5.9
43.25	0.00	0.12	41.59	10.90	6.85	0.06	0.0	5.9
43.50	0.00	0.12	41.84	10.90	6.85	0.06	0.0	5.9
43.75	0.00	0.12	42.08	10.89	6.85	0.07	0.0	5.9
44.00	0.00	0.12	42.33	10.88	6.85	0.08	0.0	5.9
44.25	0.00	0.12	42.57	10.88	6.85	0.08	0.0	5.8
44.50	0.00	0.12	42.82	10.87	6.85	0.09	0.0	5.8
44.75	0.00	0.12	43.06	10.87	6.85	0.10	0.0	5.8
45.00	0.00	0.12	43.30	10.86	6.85	0.10	0.0	5.8

45.25	0.00	0.12	43.55	10.86	6.85	0.11	0.0	5.8
45.50	0.00	0.11	43.79	10.85	6.85	0.11	0.0	5.8
45.75	0.00	0.11	44.04	10.84	6.85	0.12	0.0	5.7
46.00	0.00	0.11	44.28	10.84	6.85	0.13	0.0	5.7
46.25	0.00	0.11	44.53	10.83	6.85	0.13	0.0	5.7
46.50	0.00	0.11	44.77	10.83	6.85	0.14	0.0	5.7
46.75	0.00	0.11	45.02	10.82	6.85	0.14	0.0	5.7
47.00	0.00	0.11	45.26	10.82	6.85	0.15	0.0	5.7
47.25	0.00	0.11	45.51	10.81	6.85	0.15	0.0	5.6
47.50	0.00	0.11	45.75	10.81	6.85	0.16	0.0	5.6
47.75	0.00	0.11	46.00	10.80	6.85	0.17	0.0	5.6
48.00	0.00	0.11	46.24	10.80	6.85	0.17	0.0	5.6
48.25	0.00	0.11	46.49	10.79	6.85	0.18	0.0	5.6
48.50	0.00	0.11	46.73	10.78	6.85	0.18	0.0	5.6
48.75	0.00	0.11	46.98	10.78	6.85	0.19	0.0	5.6
49.00	0.00	0.11	47.22	10.77	6.85	0.19	0.0	5.5
49.25	0.00	0.11	47.47	10.77	6.84	0.20	0.0	5.5
49.50	0.00	0.11	47.71	10.76	6.84	0.20	0.0	5.5
49.75	0.00	0.11	47.96	10.76	6.84	0.21	0.0	5.5
50.00	0.00	0.11	48.20	10.75	6.84	0.22	0.0	5.5
50.25	0.00	0.11	48.45	10.75	6.84	0.22	0.0	5.5
50.50	0.00	0.11	48.69	10.74	6.84	0.23	0.0	5.5
50.75	0.00	0.11	48.94	10.74	6.84	0.23	0.0	5.4
51.00	0.00	0.11	49.18	10.73	6.84	0.24	0.0	5.4
51.25	0.00	0.11	49.43	10.73	6.84	0.24	0.0	5.4
51.50	0.00	0.11	49.67	10.72	6.84	0.25	0.0	5.4
51.75	0.00	0.10	49.92	10.72	6.84	0.25	0.0	5.4
52.00	0.00	0.10	50.16	10.71	6.84	0.26	0.0	5.4
52.25	0.00	0.10	50.41	10.71	6.84	0.26	0.0	5.4
52.50	0.00	0.10	50.65	10.70	6.84	0.27	0.0	5.3
52.75	0.00	0.10	50.90	10.70	6.84	0.27	0.0	5.3
53.00	0.00	0.10	51.14	10.69	6.84	0.28	0.0	5.3
53.25	0.00	0.10	51.39	10.69	6.84	0.28	0.0	5.3
53.50	0.00	0.10	51.63	10.68	6.84	0.29	0.0	5.3
53.75	0.00	0.10	51.88	10.68	6.83	0.29	0.0	5.3
54.00	0.00	0.10	52.13	10.67	6.83	0.30	0.0	12.3
54.25	0.00	0.10	52.37	10.67	6.83	0.32	0.0	15.2
54.50	0.00	0.10	52.62	10.66	6.83	0.33	0.0	15.2
54.75	0.00	0.10	52.87	10.66	6.83	0.34	0.0	15.1
55.00	0.00	0.10	53.12	10.65	6.83	0.36	0.0	15.1
55.25	0.00	0.10	53.37	10.65	6.83	0.37	0.0	15.1
55.50	0.00	0.10	53.62	10.64	6.83	0.39	0.0	15.0
55.75	0.00	0.10	53.86	10.64	6.83	0.40	0.0	15.0
56.00	0.00	0.10	54.11	10.63	6.83	0.41	0.0	15.0
56.25	0.00	0.10	54.36	10.63	6.83	0.43	0.0	14.9
56.50	0.00	0.10	54.61	10.62	6.83	0.44	0.0	14.9
56.75	0.00	0.10	54.86	10.62	6.83	0.45	0.0	14.9
57.00	0.00	0.10	55.11	10.61	6.82	0.47	0.0	14.8
57.25	0.00	0.10	55.35	10.61	6.82	0.48	0.0	14.8
57.50	0.00	0.10	55.60	10.60	6.82	0.49	0.0	14.8
57.75	0.00	0.10	55.85	10.60	6.82	0.50	0.0	14.7
58.00	0.00	0.10	56.10	10.59	6.82	0.52	0.0	14.7
58.25	0.00	0.10	56.35	10.59	6.82	0.53	0.0	14.7
58.50	0.00	0.10	56.60	10.58	6.82	0.54	0.0	14.6
58.75	0.00	0.09	56.84	10.58	6.82	0.55	0.0	14.6
59.00	0.00	0.09	57.09	10.58	6.82	0.57	0.0	14.6
59.25	0.00	0.09	57.34	10.57	6.82	0.58	0.0	14.5
59.50	0.00	0.09	57.59	10.57	6.82	0.59	0.0	14.5
59.75	0.00	0.09	57.84	10.56	6.82	0.60	0.0	14.5
60.00	0.00	0.09	58.09	10.56	6.81	0.62	0.0	14.4
60.25	0.00	0.09	58.34	10.55	6.81	0.63	0.0	14.4
60.50	0.00	0.09	58.58	10.55	6.81	0.64	0.0	14.4
60.75	0.00	0.09	58.83	10.54	6.81	0.65	0.0	14.3
61.00	0.00	0.09	59.08	10.54	6.81	0.66	0.0	14.3
61.25	0.00	0.09	59.33	10.53	6.81	0.68	0.0	14.3
61.50	0.00	0.09	59.58	10.53	6.81	0.69	0.0	14.2

61.75	0.00	0.09	59.83	10.53	6.81	0.70	0.0	14.2
62.00	0.00	0.09	60.08	10.52	6.81	0.71	0.0	14.2
62.25	0.00	0.09	60.32	10.52	6.81	0.72	0.0	14.2
62.50	0.00	0.09	60.57	10.51	6.81	0.73	0.0	14.1
62.75	0.00	0.09	60.82	10.51	6.80	0.75	0.0	14.1
63.00	0.00	0.09	61.07	10.50	6.80	0.76	0.0	14.1
63.25	0.00	0.09	61.32	10.50	6.80	0.77	0.0	14.0
63.50	0.00	0.09	61.57	10.50	6.80	0.78	0.0	14.0
63.75	0.00	0.09	61.82	10.49	6.80	0.79	0.0	14.0
64.00	0.00	0.09	62.06	10.49	6.80	0.80	0.0	13.9
64.25	0.00	0.09	62.31	10.48	6.80	0.81	0.0	13.9
64.50	0.00	0.09	62.56	10.48	6.80	0.82	0.0	13.9
64.75	0.00	0.09	62.81	10.47	6.80	0.84	0.0	13.9
65.00	0.00	0.09	63.06	10.47	6.80	0.85	0.0	13.8
65.25	0.00	0.09	63.31	10.47	6.80	0.86	0.0	13.8
65.50	0.00	0.09	63.56	10.46	6.80	0.87	0.0	13.8
65.75	0.00	0.09	63.80	10.46	6.79	0.88	0.0	13.7
66.00	0.00	0.09	64.05	10.45	6.79	0.89	0.0	13.7
66.25	0.00	0.09	64.30	10.45	6.79	0.90	0.0	13.7
66.50	0.00	0.08	64.55	10.44	6.79	0.91	0.0	13.7
66.75	0.00	0.08	64.80	10.44	6.79	0.92	0.0	13.6
67.00	0.00	0.08	65.05	10.44	6.79	0.93	0.0	13.6
67.25	0.00	0.08	65.30	10.43	6.79	0.94	0.0	13.6
67.50	0.00	0.08	65.54	10.43	6.79	0.95	0.0	13.6
67.75	0.00	0.08	65.79	10.42	6.79	0.96	0.0	13.5
68.00	0.00	0.08	66.04	10.42	6.79	0.97	0.0	13.5
68.25	0.00	0.08	66.29	10.42	6.79	0.98	0.0	13.5
68.50	0.00	0.08	66.54	10.41	6.79	0.99	0.0	13.5
68.75	0.00	0.08	66.79	10.41	6.78	1.00	0.0	13.4
69.00	0.00	0.08	67.04	10.40	6.78	1.01	0.0	13.4
69.25	0.00	0.08	67.29	10.40	6.78	1.02	0.0	13.4
69.50	0.00	0.08	67.53	10.40	6.78	1.03	0.0	13.4
69.75	0.00	0.08	67.78	10.39	6.78	1.04	0.0	13.3
70.00	0.00	0.08	68.03	10.39	6.78	1.05	0.0	13.3
70.25	0.00	0.08	68.28	10.38	6.78	1.06	0.0	13.3
70.50	0.00	0.08	68.53	10.38	6.78	1.07	0.0	13.2
70.75	0.00	0.08	68.78	10.38	6.78	1.08	0.0	13.2
71.00	0.00	0.08	69.03	10.37	6.78	1.09	0.0	13.2
71.25	0.00	0.08	69.28	10.37	6.78	1.10	0.0	13.2
71.50	0.00	0.08	69.52	10.37	6.77	1.11	0.0	13.2
71.75	0.00	0.08	69.77	10.36	6.77	1.12	0.0	13.1
72.00	0.00	0.08	70.02	10.36	6.77	1.13	0.0	13.1
72.25	0.00	0.08	70.27	10.35	6.77	1.14	0.0	13.1
72.50	0.00	0.08	70.52	10.35	6.77	1.15	0.0	13.1
72.75	0.00	0.08	70.77	10.35	6.77	1.16	0.0	13.0
73.00	0.00	0.08	71.02	10.34	6.77	1.16	0.0	13.0
73.25	0.00	0.08	71.27	10.34	6.77	1.17	0.0	13.0
73.50	0.00	0.08	71.51	10.33	6.77	1.18	0.0	13.0
73.75	0.00	0.08	71.76	10.33	6.77	1.19	0.0	12.9
74.00	0.00	0.08	72.01	10.33	6.77	1.20	0.0	12.9
74.25	0.00	0.08	72.26	10.32	6.77	1.21	0.0	12.9
74.50	0.00	0.08	72.51	10.32	6.76	1.22	0.0	12.9
74.75	0.00	0.08	72.76	10.32	6.76	1.23	0.0	12.8
75.00	0.00	0.08	73.01	10.31	6.76	1.24	0.0	12.8
75.25	0.00	0.07	73.26	10.31	6.76	1.24	0.0	12.8
75.50	0.00	0.07	73.50	10.31	6.76	1.25	0.0	12.8
75.75	0.00	0.07	73.75	10.30	6.76	1.26	0.0	12.8
76.00	0.00	0.07	74.00	10.30	6.76	1.27	0.0	12.7
76.25	0.00	0.07	74.25	10.29	6.76	1.28	0.0	12.7
76.50	0.00	0.07	74.50	10.29	6.76	1.29	0.0	12.7
76.75	0.00	0.07	74.75	10.29	6.76	1.30	0.0	12.7
77.00	0.00	0.07	75.00	10.28	6.76	1.30	0.0	12.6
77.25	0.00	0.07	75.25	10.28	6.76	1.31	0.0	12.6
77.50	0.00	0.07	75.50	10.28	6.75	1.32	0.0	12.6
77.75	0.00	0.07	75.74	10.27	6.75	1.33	0.0	12.6
78.00	0.00	0.07	75.99	10.27	6.75	1.34	0.0	12.6

78.25	0.00	0.07	76.24	10.27	6.75	1.34	0.0	12.5
78.50	0.00	0.07	76.49	10.26	6.75	1.35	0.0	12.5
78.75	0.00	0.07	76.74	10.26	6.75	1.36	0.0	12.5
79.00	0.00	0.07	76.99	10.26	6.75	1.37	0.0	12.5
79.25	0.00	0.07	77.24	10.25	6.75	1.38	0.0	12.5
79.50	0.00	0.07	77.49	10.25	6.75	1.38	0.0	12.4
79.75	0.00	0.07	77.73	10.25	6.75	1.39	0.0	12.4
80.00	0.00	0.07	77.98	10.24	6.75	1.40	0.0	12.4
80.25	0.00	0.07	78.23	10.24	6.74	1.41	0.0	12.4
80.50	0.00	0.07	78.48	10.24	6.74	1.42	0.0	12.3
80.75	0.00	0.07	78.73	10.23	6.74	1.42	0.0	12.3
81.00	0.00	0.07	78.98	10.23	6.74	1.43	0.0	12.3
81.25	0.00	0.07	79.23	10.23	6.74	1.44	0.0	12.3
81.50	0.00	0.07	79.48	10.22	6.74	1.45	0.0	12.3
81.75	0.00	0.07	79.73	10.22	6.74	1.45	0.0	12.2
82.00	0.00	0.07	79.97	10.22	6.74	1.46	0.0	12.2
82.25	0.00	0.07	80.22	10.21	6.74	1.47	0.0	12.2
82.50	0.00	0.07	80.47	10.21	6.74	1.48	0.0	12.2
82.75	0.00	0.07	80.72	10.21	6.74	1.48	0.0	12.2
83.00	0.00	0.07	80.97	10.20	6.74	1.49	0.0	12.2
83.25	0.00	0.07	81.22	10.20	6.73	1.50	0.0	12.1
83.50	0.00	0.07	81.47	10.20	6.73	1.51	0.0	12.1
83.75	0.00	0.07	81.72	10.19	6.73	1.51	0.0	12.1
84.00	0.00	0.07	81.97	10.19	6.73	1.52	0.0	12.1
84.25	0.00	0.07	82.22	10.19	6.73	1.53	0.0	12.1
84.50	0.00	0.07	82.46	10.18	6.73	1.54	0.0	12.0
84.75	0.00	0.07	82.71	10.18	6.73	1.54	0.0	12.0
85.00	0.00	0.06	82.96	10.18	6.73	1.55	0.0	12.0
85.25	0.00	0.06	83.21	10.17	6.73	1.56	0.0	12.0
85.50	0.00	0.06	83.46	10.17	6.73	1.56	0.0	12.0
85.75	0.00	0.06	83.71	10.17	6.73	1.57	0.0	11.9
86.00	0.00	0.06	83.96	10.16	6.73	1.58	0.0	11.9
86.25	0.00	0.06	84.21	10.16	6.72	1.58	0.0	11.9
86.50	0.00	0.06	84.46	10.16	6.72	1.59	0.0	11.9
86.75	0.00	0.06	84.70	10.15	6.72	1.60	0.0	11.9
87.00	0.00	0.06	84.95	10.15	6.72	1.60	0.0	11.9
87.25	0.00	0.06	85.20	10.15	6.72	1.61	0.0	11.8
87.50	0.00	0.06	85.45	10.15	6.72	1.62	0.0	11.8
87.75	0.00	0.06	85.70	10.14	6.72	1.62	0.0	11.8
88.00	0.00	0.06	85.95	10.14	6.72	1.63	0.0	11.8
88.25	0.00	0.06	86.20	10.14	6.72	1.64	0.0	11.8
88.50	0.00	0.06	86.45	10.13	6.72	1.64	0.0	11.7
88.75	0.00	0.06	86.70	10.13	6.72	1.65	0.0	11.7
89.00	0.00	0.06	86.95	10.13	6.72	1.66	0.0	11.7
89.25	0.00	0.06	87.19	10.12	6.72	1.66	0.0	11.7
89.50	0.00	0.06	87.44	10.12	6.71	1.67	0.0	11.7
89.75	0.00	0.06	87.69	10.12	6.71	1.68	0.0	11.7
90.00	0.00	0.06	87.94	10.12	6.71	1.68	0.0	11.6
90.25	0.00	0.06	88.19	10.11	6.71	1.69	0.0	11.6
90.50	0.00	0.06	88.44	10.11	6.71	1.70	0.0	11.6
90.75	0.00	0.06	88.69	10.11	6.71	1.70	0.0	11.6
91.00	0.00	0.06	88.94	10.10	6.71	1.71	0.0	11.6
91.25	0.00	0.06	89.19	10.10	6.71	1.71	0.0	11.6
91.50	0.00	0.06	89.44	10.10	6.71	1.72	0.0	11.5
91.75	0.00	0.06	89.69	10.10	6.71	1.73	0.0	11.5
92.00	0.00	0.06	89.93	10.09	6.71	1.73	0.0	11.5
92.25	0.00	0.06	90.18	10.09	6.71	1.74	0.0	11.5
92.50	0.00	0.06	90.43	10.09	6.70	1.75	0.0	11.5
92.75	0.00	0.06	90.68	10.08	6.70	1.75	0.0	11.5
93.00	0.00	0.06	90.93	10.08	6.70	1.76	0.0	11.4
93.25	0.00	0.06	91.18	10.08	6.70	1.76	0.0	11.4
93.50	0.00	0.06	91.43	10.08	6.70	1.77	0.0	11.4
93.75	0.00	0.06	91.68	10.07	6.70	1.78	0.0	11.4
94.00	0.00	0.06	91.93	10.07	6.70	1.78	0.0	11.4
94.25	0.00	0.06	92.18	10.07	6.70	1.79	0.0	11.4
94.50	0.00	0.06	92.43	10.06	6.70	1.79	0.0	11.3

94.75	0.00	0.06	92.67	10.06	6.70	1.80	0.0	11.3
95.00	0.00	0.06	92.92	10.06	6.70	1.80	0.0	11.3
95.25	0.00	0.06	93.17	10.06	6.70	1.81	0.0	11.3
95.50	0.00	0.06	93.42	10.05	6.70	1.82	0.0	11.3
95.75	0.00	0.06	93.67	10.05	6.69	1.82	0.0	11.3
96.00	0.00	0.06	93.92	10.05	6.69	1.83	0.0	11.2
96.25	0.00	0.06	94.17	10.04	6.69	1.83	0.0	11.2
96.50	0.00	0.06	94.42	10.04	6.69	1.84	0.0	11.2
96.75	0.00	0.05	94.67	10.04	6.69	1.84	0.0	11.2
97.00	0.00	0.05	94.92	10.04	6.69	1.85	0.0	11.2
97.25	0.00	0.05	95.17	10.03	6.69	1.86	0.0	11.2
97.50	0.00	0.05	95.41	10.03	6.69	1.86	0.0	11.2
97.75	0.00	0.05	95.66	10.03	6.69	1.87	0.0	11.1
98.00	0.00	0.05	95.91	10.03	6.69	1.87	0.0	11.1
98.25	0.00	0.05	96.16	10.02	6.69	1.88	0.0	11.1
98.50	0.00	0.05	96.41	10.02	6.69	1.88	0.0	11.1
98.75	0.00	0.05	96.66	10.02	6.68	1.89	0.0	11.1
99.00	0.00	0.05	96.91	10.02	6.68	1.89	0.0	11.1
99.25	0.00	0.05	97.16	10.01	6.68	1.90	0.0	11.0
99.50	0.00	0.05	97.41	10.01	6.68	1.90	0.0	11.0
99.75	0.00	0.05	97.66	10.01	6.68	1.91	0.0	11.0

PMC Pond 5

PMC Pond 5

********** THE WASH PROGRAM DETERMINES A WATERSHED STORM HYDROGRAPH **********

***** WATERSHED CONDITIONS *****

AREA = 96.6 ACRES SLOPE = 26.600 % LENGTH = 7560.0 FT RAIN = 2.10 INCHES TIME = 24.00 HRS

***** HYDROGRAPH PARAMETERS *****

CL =1.000 CI =1.000 D =0.050 CN = 78.000 DELTAT = 0.25

ITP = 3 TP =0.400HRS QPCFS = 182.63 CFS QPIN = 1.875 IN/HR

***** UNIT HYDROGRAPH *****

0.00	2.13	17.40	49.05	89.47	128.57	158.90	176.97	182.63	177.83
165.38	148.20	128.79	109.08	90.39	73.49	58.78	46.34	36.06	27.75
21.13	15.95	11.93	8.86	6.54	4.79	3.49	2.53	1.82	1.31
0.93	0.66	0.47	0.33	0.23	0.16	0.11	0.08	0.06	0.04

0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

********** STORM HYDROGRAPH GENERATED FROM START OF RUNOFF **********

TIME *	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
0.00 *	0.06	0.13	0.26	0.53	1.06	1.97	3.37	5.42	8.32	12.20
0.50 *	16.98	22.04	26.51	29.74	31.45	31.71	30.78	28.99	26.70	24.19
1.00 *	21.68	19.32	17.21	15.37	13.81	12.52	11.47	10.63	9.96	9.43
1.50 *	9.02	8.69	8.43	8.23	8.06	7.92	7.80	7.70	7.61	7.53
2.00 *	7.45	7.37	7.30	7.22	7.15	7.08	7.00	6.93	6.85	6.77
2.50 *	6.69	6.59	6.44	6.23	5.97	5.67	5.35	5.02	4.71	4.42
3.00 *	4.17	3.94	3.75	3.60	3.47	3.36	3.28	3.21	3.16	3.12
3.50 *	3.08	3.05	3.03	3.01	3.00	2.98	2.97	2.96	2.95	2.94
4.00 *	2.92	2.91	2.91	2.90	2.89	2.88	2.87	2.86	2.85	2.84
4.50 *	2.83	2.82	2.81	2.80	2.79	2.78	2.77	2.76	2.75	2.74
5.00 *	2.73	2.72	2.71	2.70	2.69	2.68	2.67	2.66	2.65	2.64
5.50 *	2.63	2.61	2.60	2.59	2.58	2.57	2.56	2.55	2.54	2.53
6.00 *	2.52	2.50	2.49	2.48	2.47	2.46	2.45	2.44	2.43	2.41
6.50 *	2.40	2.39	2.38	2.37	2.36	2.34	2.33	2.32	2.31	2.30
7.00 *	2.28	2.27	2.26	2.25	2.24	2.22	2.21	2.20	2.19	2.17
7.50 *	2.16	2.15	2.14	2.13	2.11	2.10	2.09	2.08	2.06	2.05
8.00 *	2.04	2.02	2.01	2.00	1.99	1.97	1.96	1.95	1.93	1.92
8.50 *	1.91	1.90	1.88	1.87	1.86	1.84	1.83	1.82	1.80	1.79
9.00 *	1.78	1.76	1.75	1.74	1.72	1.71	1.70	1.68	1.67	1.66
9.50 *	1.64	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.53	1.52
10.00 *	1.51	1.49	1.48	1.47	1.45	1.44	1.42	1.41	1.40	1.38
10.50 *	1.37	1.35	1.34	1.33	1.31	1.30	1.28	1.27	1.26	1.24
11.00 *	1.23	1.21	1.20	1.19	1.17	1.16	1.14	1.13	1.11	1.10
11.50 *	1.09	1.07	1.06	1.04	1.03	1.01	1.00	0.99	0.97	0.96
12.00 *	0.94	0.93	0.91	0.90	0.88	0.87	0.86	0.84	0.83	0.81
12.50 *	0.77	0.73	0.67	0.60	0.52	0.45	0.38	0.31	0.25	0.20
13.00 *	0.16	0.12	0.10	0.07	0.06	0.04	0.03	0.02	0.02	0.01
13.50 *	0.01	0.01	0.00							

THE DEPTH OF WATER ON WATERSHED = 0.541 INCHES

VOLUME OF RUNOFF = 4.35 ACRE-FT

PEAK RUNOFF RATE = 31.7 CFS

TIME OF PEAK RUNOFF = 12.35 HRS

TIME INCR. OF NEW HYDROGRAPH = 0.25 HRS

****** STORM HYDROGRAPH GENERATED FROM START OF RUNOFF *******

0.1	2.0	17.0	31.7	21.7	12.5	9.0	7.9	7.4	7.1
6.7	5.7	4.2	3.4	3.1	3.0	2.9	2.9	2.8	2.8
2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2
2.2	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.6
1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	0.9	0.9
0.8	0.4	0.2	0.0	0.0					

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********** THE DEPOSITS MODEL. JANUARY 1980 **********

***** INPUT CONTROL VARIABLES *****

MP	M	N	NS	MS	LS
9	55	9	7	400	0

NSTORM	CONSED	DEPOST	FLOW	TRP	FILTER	FIX	FRACTN	FLOWAV
1.00	1.00	1.00	3.00	1.00	1.00	1.00	0.00	0.00

INFLOW SEDIMENT DISTRIBUTION COMPLETE MIXING

MASS	VISCOS	DELTAT	DELPLG	DENSTY	SG	SET	SHORT	SLAG	DEAD
1.130	0.0114	0.25	0.25	1.20	2.65	2.00	1.00	0.00	0.00

***** DEPOSITS ERROR MESSAGES *****

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***** STORM EVENT SUMMARY *****

PERMANENT POOL CAPACITY	=	1.80	ACRE-FT
DEAD STORAGE	=	0.00	ACRE-FT
STORM RUNOFF VOLUME	=	4.35	ACRE-FT
STORM VOLUME DISCHARGED	=	0.15	ACRE-FT
POND VOLUME AT PEAK STAGE	=	5.91	ACRE-FT
PEAK STAGE	=	14.14	FT
PEAK INFLOW RATE	=	31.71	CFS
PEAK DISCHARGE RATE	=	0.27	CFS
PEAK INFLOW SEDIMENT CONCENTRATION	=	470.7	MG/L
PEAK EFFLUENT SEDIMENT CONCENTRATION	=	6.8	MG/L

STORM AVERAGE EFFLUENT CONCENTRATION	=	5.8	MG/L
AVERAGE EFFLUENT SEDIMENT CONCENTRATION	=	0.4	MG/L
BASIN TRAP EFFICIENCY	=	99.90	%
DETENTION TIME OF FLOW WITH SEDIMENT	=	98.84	HRS
DETENTION TIME FROM HYDROGRAPH CENTERS	=	44.91	HRS
DETENTION TIME INCLUDING STORED FLOW	=	97.13	HRS
SEDIMENT LOAD	=	1.13	TONS

***** PARTICLE SIZE DISTRIBUTION OF SEDIMENT INFLOW *****

SIZE (MM)	0.0000	0.0100	0.0250	0.0500	0.1000	0.1500	0.2000
% FINER	0.0	29.3	83.8	91.9	95.6	99.4	100.0

***** PARTICLE SIZE DISTRIBUTION OF EFFLUENT ******

SIZE (MM)	0.0000	0.0100	0.0250	0.0500	0.1000	0.1500	0.2000
% FINER	0.0	100.0	100.0	100.0	100.0	100.0	100.0

***** OUTFLOW WITHDRAWAL DISTRIBUTION *****

STAGE (FT)	OUTFLOW 1 (%)	OUTFLOW 2 (%)	OUTFLOW 3 (%)	OUTFLOW 4 (%)
0.00	100.00	0.00	0.00	0.00
2.00	100.00	0.00	0.00	0.00
4.00	100.00	0.00	0.00	0.00
6.00	100.00	0.00	0.00	0.00
8.00	100.00	0.00	0.00	0.00
10.00	100.00	0.00	0.00	0.00
12.00	100.00	0.00	0.00	0.00
14.00	100.00	0.00	0.00	0.00
16.00	100.00	0.00	0.00	0.00

***** BASIN GEOMETRY *****

STAGE	AREA	AVERAGE DEPTH	DISCHARGE	CAPACITY

(FT)	(ACRES)	(FT)	(CFS)	(ACRES-FT)
0.0000	0.00000	0.00	0.00	0.00000
2.0000	0.30000	2.00	0.00	0.30000
4.0000	0.40000	3.20	0.00	1.00000
6.0000	0.40000	4.89	0.00	1.80000
8.0000	0.40000	6.77	0.07	2.60000
10.0000	0.50000	8.51	0.16	3.50000
12.0000	0.60000	10.00	0.22	4.60000
14.0000	0.60000	11.52	0.27	5.80000
16.0000	0.90000	12.74	0.31	7.30000

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***** STORM HYDROGRAPHS & SEDIMENTGRAPHS *****

TIME	INFLOW	DISCHARGE	DETENTION TIME	STAGE	DEPTH	SEDIMENT	INFLUENT	EFFLUENT
(HRS)	(CFS)	(CFS)	(HRS)	(FT)	(FT)	(%)	(MG/L)	(MG/L)
0.25	1.97	0.00	0.13	3.03	2.47	0.00	17.9	0.0
0.50	16.98	0.02	0.38	6.30	3.37	0.00	167.1	0.0
0.75	31.71	0.06	0.63	7.17	4.25	0.00	429.3	0.0
1.00	21.68	0.12	0.88	8.42	4.91	0.00	470.7	0.0
1.25	12.52	0.15	1.13	9.43	5.50	0.00	301.5	0.0
1.50	9.02	0.17	1.38	10.04	6.01	0.00	189.9	0.0
1.75	7.92	0.18	1.63	10.41	6.42	0.00	149.3	0.0
2.00	7.45	0.19	1.88	10.70	6.75	0.00	135.5	0.0
2.25	7.08	0.20	2.13	10.98	7.03	0.00	128.0	0.0
2.50	6.69	0.20	2.38	11.24	7.27	0.00	121.4	0.0
2.75	5.67	0.21	2.63	11.47	7.49	0.00	109.0	0.0
3.00	4.17	0.22	2.88	11.67	7.68	0.00	86.7	0.0
3.25	3.36	0.22	3.13	11.83	7.85	0.00	66.4	0.0
3.50	3.08	0.22	3.38	11.95	8.00	0.00	56.8	0.0
3.75	2.98	0.23	3.63	12.06	8.14	0.00	53.4	0.0
4.00	2.92	0.23	3.88	12.15	8.27	0.00	52.1	0.0
4.25	2.88	0.23	4.13	12.24	8.38	0.00	51.1	0.0
4.50	2.83	0.23	4.38	12.33	8.49	0.00	50.3	0.0
4.75	2.78	0.23	4.63	12.42	8.58	0.00	49.5	0.0
5.00	2.73	0.24	4.88	12.51	8.67	0.00	48.6	0.0
5.25	2.68	0.24	5.13	12.60	8.76	0.00	47.7	0.0
5.50	2.63	0.24	5.38	12.68	8.84	0.00	46.8	0.0
5.75	2.57	0.24	5.63	12.76	8.92	0.00	45.8	0.0
6.00	2.52	0.24	5.88	12.84	8.99	0.00	44.8	0.0
6.25	2.46	0.25	6.13	12.92	9.06	0.00	43.9	0.0
6.50	2.40	0.25	6.38	13.00	9.12	0.00	42.9	0.0
6.75	2.34	0.25	6.63	13.07	9.18	0.00	41.8	0.0
7.00	2.28	0.25	6.88	13.15	9.24	0.00	40.8	0.0
7.25	2.22	0.25	7.13	13.22	9.30	0.00	39.7	0.0
7.50	2.16	0.25	7.38	13.28	9.36	0.00	38.7	0.0
7.75	2.10	0.25	7.63	13.35	9.41	0.00	37.6	0.0
8.00	2.04	0.26	7.88	13.41	9.46	0.00	36.5	0.0
8.25	1.97	0.26	8.13	13.47	9.51	0.00	35.4	0.0
8.50	1.91	0.26	8.38	13.53	9.56	0.00	34.2	0.0
8.75	1.84	0.26	8.63	13.59	9.61	0.00	33.1	0.0
9.00	1.78	0.26	8.88	13.64	9.66	0.00	31.9	0.0
9.25	1.71	0.26	9.13	13.70	9.70	0.00	30.8	0.0
9.50	1.64	0.26	9.38	13.75	9.74	0.00	29.6	0.0
9.75	1.58	0.26	9.63	13.79	9.78	0.00	28.4	0.0

10.00	1.51	0.27	9.88	13.84	9.82	0.00	27.2	0.0
10.25	1.44	0.27	10.13	13.88	9.86	0.00	26.0	0.0
10.50	1.37	0.27	10.38	13.92	9.90	0.00	24.7	0.0
10.75	1.30	0.27	10.63	13.96	9.94	0.00	23.5	0.0
11.00	1.23	0.27	10.88	13.99	9.97	0.00	22.3	0.0
11.25	1.16	0.27	11.13	14.02	10.01	0.00	21.0	0.0
11.50	1.09	0.27	11.38	14.05	10.04	0.00	19.8	0.0
11.75	1.01	0.27	11.63	14.07	10.08	0.00	18.5	0.0
12.00	0.94	0.27	11.88	14.09	10.11	0.00	17.3	0.0
12.25	0.87	0.27	12.13	14.11	10.14	0.00	16.0	0.0
12.50	0.77	0.27	12.38	14.12	10.17	0.00	14.5	0.0
12.75	0.45	0.27	12.63	14.14	10.19	0.00	10.8	0.0
13.00	0.16	0.27	12.88	14.14	10.22	0.00	5.4	0.0
13.25	0.04	0.27	13.13	14.14	10.25	0.00	1.8	0.0
13.50	0.01	0.27	13.38	14.13	10.27	0.00	0.4	0.0
13.75	0.00	0.27	13.63	14.13	10.30	0.00	0.0	0.0
14.00	0.00	0.27	13.88	14.12	10.32	0.00	0.0	0.0
14.25	0.00	0.27	14.13	14.11	10.34	0.00	0.0	0.0
14.50	0.00	0.27	14.38	14.11	10.37	0.00	0.0	0.0
14.75	0.00	0.27	14.63	14.10	10.39	0.00	0.0	0.0
15.00	0.00	0.27	14.88	14.09	10.41	0.00	0.0	0.0
15.25	0.00	0.27	15.13	14.08	10.43	0.00	0.0	0.0
15.50	0.00	0.27	15.38	14.08	10.44	0.00	0.0	0.0
15.75	0.00	0.27	15.63	14.07	10.46	0.00	0.0	0.0
16.00	0.00	0.27	15.88	14.06	10.48	0.00	0.0	0.0
16.25	0.00	0.27	16.13	14.05	10.50	0.00	0.0	0.0
16.50	0.00	0.27	16.38	14.05	10.51	0.00	0.0	0.0
16.75	0.00	0.27	16.63	14.04	10.53	0.00	0.0	0.0
17.00	0.00	0.27	16.88	14.03	10.54	0.00	0.0	0.0
17.25	0.00	0.27	17.13	14.02	10.56	0.00	0.0	0.0
17.50	0.00	0.27	17.38	14.02	10.57	0.00	0.0	0.0
17.75	0.00	0.27	17.63	14.01	10.58	0.00	0.0	0.0
18.00	0.00	0.27	17.88	14.00	10.60	0.00	0.0	0.0
18.25	0.00	0.27	18.13	13.99	10.61	0.00	0.0	0.0
18.50	0.00	0.27	18.38	13.98	10.62	0.00	0.0	0.0
18.75	0.00	0.27	18.63	13.97	10.63	0.00	0.0	0.0
19.00	0.00	0.27	18.88	13.96	10.65	0.00	0.0	0.0
19.25	0.00	0.27	19.13	13.95	10.66	0.00	0.0	0.0
19.50	0.00	0.27	19.38	13.95	10.67	0.00	0.0	0.0
19.75	0.00	0.27	19.63	13.94	10.68	0.00	0.0	0.0
20.00	0.00	0.27	19.88	13.93	10.69	0.00	0.0	0.0
20.25	0.00	0.27	20.13	13.92	10.70	0.00	0.0	0.0
20.50	0.00	0.27	20.38	13.91	10.71	0.00	0.0	0.0
20.75	0.00	0.27	20.63	13.90	10.71	0.00	0.0	0.0
21.00	0.00	0.27	20.88	13.89	10.72	0.00	0.0	0.0
21.25	0.00	0.27	21.13	13.88	10.73	0.00	0.0	0.0
21.50	0.00	0.27	21.38	13.87	10.74	0.00	0.0	0.0
21.75	0.00	0.27	21.63	13.86	10.75	0.00	0.0	0.0
22.00	0.00	0.27	21.88	13.85	10.76	0.00	0.0	0.0
22.25	0.00	0.27	22.13	13.84	10.76	0.00	0.0	0.0
22.50	0.00	0.27	22.38	13.84	10.77	0.00	0.0	0.0
22.75	0.00	0.26	22.63	13.83	10.78	0.00	0.0	0.0
23.00	0.00	0.26	22.88	13.82	10.78	0.00	0.0	0.0
23.25	0.00	0.26	23.13	13.81	10.79	0.00	0.0	0.0
23.50	0.00	0.26	23.38	13.80	10.80	0.00	0.0	0.0
23.75	0.00	0.26	23.63	13.79	10.80	0.00	0.0	0.0
24.00	0.00	0.26	23.88	13.78	10.81	0.00	0.0	0.0
24.25	0.00	0.26	24.13	13.77	10.81	0.00	0.0	0.0
24.50	0.00	0.26	24.38	13.76	10.82	0.00	0.0	0.0
24.75	0.00	0.26	24.63	13.75	10.82	0.00	0.0	0.0
25.00	0.00	0.26	24.88	13.74	10.83	0.00	0.0	0.0
25.25	0.00	0.26	25.13	13.74	10.83	0.00	0.0	0.0
25.50	0.00	0.26	25.38	13.73	10.84	0.00	0.0	0.0
25.75	0.00	0.26	25.63	13.72	10.84	0.00	0.0	0.0
26.00	0.00	0.26	25.88	13.71	10.85	0.00	0.0	0.0
26.25	0.00	0.26	26.13	13.70	10.85	0.00	0.0	0.0

26.50	0.00	0.26	26.38	13.69	10.86	0.00	0.0	0.0
26.75	0.00	0.26	26.63	13.68	10.86	0.00	0.0	0.0
27.00	0.00	0.26	26.88	13.67	10.86	0.00	0.0	0.0
27.25	0.00	0.26	27.13	13.66	10.87	0.00	0.0	0.0
27.50	0.00	0.26	27.38	13.65	10.87	0.00	0.0	0.0
27.75	0.00	0.26	27.63	13.65	10.87	0.00	0.0	0.0
28.00	0.00	0.26	27.88	13.64	10.88	0.00	0.0	0.0
28.25	0.00	0.26	28.13	13.63	10.88	0.00	0.0	0.0
28.50	0.00	0.26	28.38	13.62	10.88	0.00	0.0	0.0
28.75	0.00	0.26	28.63	13.61	10.89	0.00	0.0	0.0
29.00	0.00	0.26	28.88	13.60	10.89	0.00	0.0	0.0
29.25	0.00	0.26	29.13	13.59	10.89	0.00	0.0	0.0
29.50	0.00	0.26	29.38	13.58	10.90	0.00	0.0	0.0
29.75	0.00	0.26	29.63	13.57	10.90	0.00	0.0	0.0
30.00	0.00	0.26	29.88	13.56	10.90	0.00	0.0	0.0
30.25	0.00	0.26	30.13	13.56	10.90	0.00	0.0	0.0
30.50	0.00	0.26	30.38	13.55	10.90	0.00	0.0	0.0
30.75	0.00	0.26	30.63	13.54	10.91	0.00	0.0	0.0
31.00	0.00	0.26	30.88	13.53	10.91	0.00	0.0	0.0
31.25	0.00	0.26	31.13	13.52	10.91	0.00	0.0	0.0
31.50	0.00	0.26	31.38	13.51	10.91	0.00	0.0	0.0
31.75	0.00	0.26	31.63	13.50	10.91	0.00	0.0	0.0
32.00	0.00	0.26	31.88	13.49	10.92	0.00	0.0	0.0
32.25	0.00	0.26	32.13	13.48	10.92	0.00	0.0	0.0
32.50	0.00	0.26	32.38	13.48	10.92	0.00	0.0	0.0
32.75	0.00	0.26	32.63	13.47	10.92	0.00	0.0	0.0
33.00	0.00	0.26	32.88	13.46	10.92	0.00	0.0	0.0
33.25	0.00	0.26	33.13	13.45	10.92	0.00	0.0	0.0
33.50	0.00	0.26	33.38	13.44	10.93	0.00	0.0	0.0
33.75	0.00	0.26	33.63	13.43	10.93	0.00	0.0	0.0
34.00	0.00	0.26	33.88	13.42	10.93	0.00	0.0	0.0
34.25	0.00	0.26	34.13	13.41	10.93	0.00	0.0	0.0
34.50	0.00	0.26	34.38	13.41	10.93	0.00	0.0	0.0
34.75	0.00	0.26	34.63	13.40	10.93	0.00	0.0	0.0
35.00	0.00	0.25	34.88	13.39	10.93	0.00	0.0	0.0
35.25	0.00	0.25	35.13	13.38	10.93	0.00	0.0	0.0
35.50	0.00	0.25	35.38	13.37	10.93	0.00	0.0	0.0
35.75	0.00	0.25	35.63	13.36	10.93	0.00	0.0	0.0
36.00	0.00	0.25	35.88	13.35	10.93	0.00	0.0	0.0
36.25	0.00	0.25	36.13	13.34	10.94	0.00	0.0	0.0
36.50	0.00	0.25	36.38	13.34	10.94	0.00	0.0	0.0
36.75	0.00	0.25	36.63	13.33	10.94	0.00	0.0	0.0
37.00	0.00	0.25	36.88	13.32	10.94	0.00	0.0	0.0
37.25	0.00	0.25	37.13	13.31	10.94	0.00	0.0	0.0
37.50	0.00	0.25	37.38	13.30	10.94	0.00	0.0	0.0
37.75	0.00	0.25	37.63	13.29	10.94	0.00	0.0	0.0
38.00	0.00	0.25	37.88	13.28	10.94	0.00	0.0	0.0
38.25	0.00	0.25	38.13	13.27	10.94	0.00	0.0	0.0
38.50	0.00	0.25	38.38	13.27	10.94	0.00	0.0	0.0
38.75	0.00	0.25	38.63	13.26	10.94	0.00	0.0	0.0
39.00	0.00	0.25	38.88	13.25	10.94	0.00	0.0	0.0
39.25	0.00	0.25	39.13	13.24	10.94	0.00	0.0	0.0
39.50	0.00	0.25	39.38	13.23	10.94	0.00	0.0	0.0
39.75	0.00	0.25	39.63	13.22	10.94	0.00	0.0	0.0
40.00	0.00	0.25	39.88	13.21	10.94	0.00	0.0	0.0
40.25	0.00	0.25	40.13	13.20	10.94	0.00	0.0	0.0
40.50	0.00	0.25	40.38	13.20	10.94	0.00	0.0	0.0
40.75	0.00	0.25	40.63	13.19	10.94	0.00	0.0	0.0
41.00	0.00	0.25	40.88	13.18	10.94	0.00	0.0	0.0
41.25	0.00	0.25	41.13	13.17	10.94	0.00	0.0	0.0
41.50	0.00	0.25	41.38	13.16	10.94	0.00	0.0	0.0
41.75	0.00	0.25	41.63	13.15	10.94	0.00	0.0	0.0
42.00	0.00	0.25	41.88	13.14	10.94	0.00	0.0	0.0
42.25	0.00	0.25	42.13	13.14	10.94	0.00	0.0	0.0
42.50	0.00	0.25	42.38	13.13	10.94	0.00	0.0	0.0
42.75	0.00	0.25	42.63	13.12	10.93	0.00	0.0	0.0

43.00	0.00	0.25	42.88	13.11	10.93	0.00	0.0	0.0
43.25	0.00	0.25	43.13	13.10	10.93	0.00	0.0	0.0
43.50	0.00	0.25	43.38	13.09	10.93	0.00	0.0	0.0
43.75	0.00	0.25	43.63	13.08	10.93	0.00	0.0	0.0
44.00	0.00	0.25	43.88	13.08	10.93	0.00	0.0	0.0
44.25	0.00	0.25	44.13	13.07	10.93	0.00	0.0	0.0
44.50	0.00	0.25	44.38	13.06	10.93	0.00	0.0	0.0
44.75	0.00	0.25	44.63	13.05	10.93	0.00	0.0	0.0
45.00	0.00	0.25	44.88	13.04	10.93	0.00	0.0	0.0
45.25	0.00	0.25	45.13	13.03	10.93	0.00	0.0	0.0
45.50	0.00	0.25	45.38	13.03	10.93	0.00	0.0	0.0
45.75	0.00	0.25	45.63	13.02	10.93	0.00	0.0	0.0
46.00	0.00	0.25	45.88	13.01	10.93	0.00	0.0	0.0
46.25	0.00	0.25	46.13	13.00	10.92	0.00	0.0	0.0
46.50	0.00	0.25	46.38	12.99	10.92	0.00	0.0	0.0
46.75	0.00	0.25	46.63	12.98	10.92	0.00	0.0	0.0
47.00	0.00	0.25	46.88	12.97	10.92	0.00	0.0	0.0
47.25	0.00	0.25	47.13	12.97	10.92	0.00	0.0	0.0
47.50	0.00	0.24	47.38	12.96	10.92	0.00	0.0	0.0
47.75	0.00	0.24	47.63	12.95	10.92	0.00	0.0	0.0
48.00	0.00	0.24	47.88	12.94	10.92	0.00	0.0	0.0
48.25	0.00	0.24	48.13	12.93	10.92	0.00	0.0	0.0
48.50	0.00	0.24	48.38	12.92	10.92	0.00	0.0	0.0
48.75	0.00	0.24	48.63	12.92	10.91	0.00	0.0	0.0
49.00	0.00	0.24	48.88	12.91	10.91	0.00	0.0	0.0
49.25	0.00	0.24	49.13	12.90	10.91	0.00	0.0	0.0
49.50	0.00	0.24	49.38	12.89	10.91	0.00	0.0	0.0
49.75	0.00	0.24	49.63	12.88	10.91	0.00	0.0	0.0
50.00	0.00	0.24	49.88	12.87	10.91	0.00	0.0	0.0
50.25	0.00	0.24	50.13	12.87	10.91	0.00	0.0	0.0
50.50	0.00	0.24	50.38	12.86	10.91	0.00	0.0	0.0
50.75	0.00	0.24	50.63	12.85	10.90	0.00	0.0	0.0
51.00	0.00	0.24	50.88	12.84	10.90	0.00	0.0	0.0
51.25	0.00	0.24	51.13	12.83	10.90	0.00	0.0	0.0
51.50	0.00	0.24	51.38	12.82	10.90	0.00	0.0	0.0
51.75	0.00	0.24	51.63	12.81	10.90	0.00	0.0	0.0
52.00	0.00	0.24	51.88	12.81	10.90	0.00	0.0	0.0
52.25	0.00	0.24	52.13	12.80	10.90	0.00	0.0	0.0
52.50	0.00	0.24	52.38	12.79	10.90	0.00	0.0	0.0
52.75	0.00	0.24	52.63	12.78	10.89	0.00	0.0	0.0
53.00	0.00	0.24	52.88	12.77	10.89	0.00	0.0	0.0
53.25	0.00	0.24	53.13	12.77	10.89	0.00	0.0	0.0
53.50	0.00	0.24	53.38	12.76	10.89	0.00	0.0	0.0
53.75	0.00	0.24	53.63	12.75	10.89	0.00	0.0	0.0
54.00	0.00	0.24	53.88	12.74	10.89	0.00	0.0	0.0
54.25	0.00	0.24	54.13	12.73	10.89	0.00	0.0	0.0
54.50	0.00	0.24	54.38	12.72	10.88	0.00	0.0	0.0
54.75	0.00	0.24	54.63	12.72	10.88	0.00	0.0	0.0
55.00	0.00	0.24	54.88	12.71	10.88	0.00	0.0	0.0
55.25	0.00	0.24	55.13	12.70	10.88	0.00	0.0	0.0
55.50	0.00	0.24	55.38	12.69	10.88	0.00	0.0	0.0
55.75	0.00	0.24	55.63	12.68	10.88	0.00	0.0	0.0
56.00	0.00	0.24	55.88	12.67	10.87	0.00	0.0	0.0
56.25	0.00	0.24	56.13	12.67	10.87	0.00	0.0	0.0
56.50	0.00	0.24	56.38	12.66	10.87	0.00	0.0	0.0
56.75	0.00	0.24	56.63	12.65	10.87	0.00	0.0	0.0
57.00	0.00	0.24	56.88	12.64	10.87	0.00	0.0	0.0
57.25	0.00	0.24	57.13	12.63	10.87	0.00	0.0	0.0
57.50	0.00	0.24	57.38	12.63	10.86	0.00	0.0	0.0
57.75	0.00	0.24	57.63	12.62	10.86	0.00	0.0	0.0
58.00	0.00	0.24	57.88	12.61	10.86	0.00	0.0	0.0
58.25	0.00	0.24	58.13	12.60	10.86	0.00	0.0	0.0
58.50	0.00	0.24	58.38	12.59	10.86	0.00	0.0	0.0
58.75	0.00	0.24	58.63	12.58	10.86	0.00	0.0	0.0
59.00	0.00	0.24	58.88	12.58	10.85	0.00	0.0	0.0
59.25	0.00	0.24	59.13	12.57	10.85	0.00	0.0	0.0

59.50	0.00	0.24	59.38	12.56	10.85	0.00	0.0	0.0
59.75	0.00	0.24	59.63	12.55	10.85	0.00	0.0	0.0
60.00	0.00	0.24	59.88	12.54	10.85	0.00	0.0	0.0
60.25	0.00	0.24	60.13	12.54	10.84	0.00	0.0	0.0
60.50	0.00	0.24	60.38	12.53	10.84	0.00	0.0	0.0
60.75	0.00	0.23	60.63	12.52	10.84	0.00	0.0	0.0
61.00	0.00	0.23	60.88	12.51	10.84	0.00	0.0	0.0
61.25	0.00	0.23	61.13	12.50	10.84	0.00	0.0	0.0
61.50	0.00	0.23	61.38	12.50	10.84	0.00	0.0	0.0
61.75	0.00	0.23	61.63	12.49	10.83	0.00	0.0	0.0
62.00	0.00	0.23	61.88	12.48	10.83	0.00	0.0	0.0
62.25	0.00	0.23	62.13	12.47	10.83	0.00	0.0	0.0
62.50	0.00	0.23	62.38	12.46	10.83	0.00	0.0	0.0
62.75	0.00	0.23	62.63	12.45	10.83	0.00	0.0	0.0
63.00	0.00	0.23	62.88	12.45	10.82	0.00	0.0	0.0
63.25	0.00	0.23	63.13	12.44	10.82	0.00	0.0	0.0
63.50	0.00	0.23	63.38	12.43	10.82	0.00	0.0	0.0
63.75	0.00	0.23	63.63	12.42	10.82	0.00	0.0	0.0
64.00	0.00	0.23	63.88	12.41	10.82	0.00	0.0	0.0
64.25	0.00	0.23	64.13	12.41	10.81	0.00	0.0	0.0
64.50	0.00	0.23	64.38	12.40	10.81	0.00	0.0	0.0
64.75	0.00	0.23	64.63	12.39	10.81	0.00	0.0	0.0
65.00	0.00	0.23	64.88	12.38	10.81	0.00	0.0	0.0
65.25	0.00	0.23	65.13	12.37	10.81	0.00	0.0	0.0
65.50	0.00	0.23	65.38	12.37	10.80	0.00	0.0	0.0
65.75	0.00	0.23	65.63	12.36	10.80	0.00	0.0	0.0
66.00	0.00	0.23	65.88	12.35	10.80	0.00	0.0	0.0
66.25	0.00	0.23	66.13	12.34	10.80	0.00	0.0	0.0
66.50	0.00	0.23	66.38	12.34	10.80	0.00	0.0	0.0
66.75	0.00	0.23	66.63	12.33	10.79	0.00	0.0	0.0
67.00	0.00	0.23	66.88	12.32	10.79	0.00	0.0	0.0
67.25	0.00	0.23	67.13	12.31	10.79	0.00	0.0	0.0
67.50	0.00	0.23	67.38	12.30	10.79	0.00	0.0	0.0
67.75	0.00	0.23	67.63	12.30	10.79	0.00	0.0	0.0
68.00	0.00	0.23	67.88	12.29	10.78	0.00	0.0	0.0
68.25	0.00	0.23	68.13	12.28	10.78	0.00	0.0	0.0
68.50	0.00	0.23	68.38	12.27	10.78	0.00	0.0	0.0
68.75	0.00	0.23	68.63	12.26	10.78	0.00	0.0	0.0
69.00	0.00	0.23	68.88	12.26	10.78	0.00	0.0	0.0
69.25	0.00	0.23	69.13	12.25	10.77	0.00	0.0	0.0
69.50	0.00	0.23	69.38	12.24	10.77	0.00	0.0	0.0
69.75	0.00	0.23	69.63	12.23	10.77	0.00	0.0	0.0
70.00	0.00	0.23	69.88	12.22	10.77	0.00	0.0	0.0
70.25	0.00	0.23	70.13	12.22	10.76	0.00	0.0	0.0
70.50	0.00	0.23	70.38	12.21	10.76	0.00	0.0	0.0
70.75	0.00	0.23	70.63	12.20	10.76	0.00	0.0	0.0
71.00	0.00	0.23	70.88	12.19	10.76	0.00	0.0	0.0
71.25	0.00	0.23	71.13	12.19	10.76	0.00	0.0	0.0
71.50	0.00	0.23	71.38	12.18	10.75	0.00	0.0	0.0
71.75	0.00	0.23	71.63	12.17	10.75	0.00	0.0	0.0
72.00	0.00	0.23	71.88	12.16	10.75	0.00	0.0	0.0
72.25	0.00	0.23	72.13	12.15	10.75	0.00	0.0	0.0
72.50	0.00	0.23	72.38	12.15	10.75	0.00	0.0	0.0
72.75	0.00	0.23	72.63	12.14	10.74	0.00	0.0	0.0
73.00	0.00	0.23	72.88	12.13	10.74	0.00	0.0	0.0
73.25	0.00	0.23	73.13	12.12	10.74	0.00	0.0	0.0
73.50	0.00	0.23	73.38	12.12	10.74	0.00	0.0	0.0
73.75	0.00	0.23	73.63	12.11	10.73	0.00	0.0	0.0
74.00	0.00	0.23	73.88	12.10	10.73	0.00	0.0	0.0
74.25	0.00	0.23	74.13	12.09	10.73	0.00	0.0	0.0
74.50	0.00	0.22	74.38	12.08	10.73	0.00	0.0	0.0
74.75	0.00	0.22	74.63	12.08	10.73	0.00	0.0	0.0
75.00	0.00	0.22	74.88	12.07	10.72	0.00	0.0	0.0
75.25	0.00	0.22	75.13	12.06	10.72	0.00	0.0	0.0
75.50	0.00	0.22	75.38	12.05	10.72	0.00	0.0	0.0
75.75	0.00	0.22	75.63	12.05	10.72	0.00	0.0	0.0

76.00	0.00	0.22	75.88	12.04	10.71	0.00	0.0	0.0
76.25	0.00	0.22	76.13	12.03	10.71	0.00	0.0	0.0
76.50	0.00	0.22	76.38	12.02	10.71	0.00	0.0	0.0
76.75	0.00	0.22	76.63	12.01	10.71	0.00	0.0	0.0
77.00	0.00	0.22	76.88	12.01	10.70	0.00	0.0	0.0
77.25	0.00	0.22	77.13	12.00	10.70	0.00	0.0	0.0
77.50	0.00	0.22	77.38	11.99	10.70	0.00	0.0	0.0
77.75	0.00	0.22	77.63	11.98	10.70	0.00	0.0	0.0
78.00	0.00	0.22	77.88	11.97	10.70	0.00	0.0	0.0
78.25	0.00	0.22	78.13	11.97	10.69	0.00	0.0	0.0
78.50	0.00	0.22	78.38	11.96	10.69	0.00	0.0	0.0
78.75	0.00	0.22	78.63	11.95	10.69	0.00	0.0	0.0
79.00	0.00	0.22	78.88	11.94	10.69	0.00	0.0	0.0
79.25	0.00	0.22	79.13	11.93	10.68	0.00	0.0	0.0
79.50	0.00	0.22	79.38	11.92	10.68	0.00	0.0	0.0
79.75	0.00	0.22	79.63	11.92	10.68	0.00	0.0	0.0
80.00	0.00	0.22	79.88	11.91	10.68	0.00	0.0	0.0
80.25	0.00	0.22	80.13	11.90	10.67	0.00	0.0	0.0
80.50	0.00	0.22	80.38	11.89	10.67	0.00	0.0	0.0
80.75	0.00	0.22	80.63	11.88	10.67	0.00	0.0	0.0
81.00	0.00	0.22	80.88	11.87	10.67	0.00	0.0	0.0
81.25	0.00	0.22	81.13	11.87	10.67	0.00	0.0	0.0
81.50	0.00	0.22	81.38	11.86	10.66	0.00	0.0	0.0
81.75	0.00	0.22	81.63	11.85	10.66	0.00	0.0	0.0
82.00	0.00	0.22	81.88	11.84	10.66	0.00	0.0	0.0
82.25	0.00	0.22	82.13	11.83	10.66	0.00	0.0	0.0
82.50	0.00	0.22	82.38	11.83	10.65	0.00	0.0	0.0
82.75	0.00	0.22	82.63	11.82	10.65	0.00	0.0	0.0
83.00	0.00	0.22	82.88	11.81	10.65	0.00	0.0	0.0
83.25	0.00	0.22	83.13	11.80	10.65	0.00	0.0	0.0
83.50	0.00	0.22	83.38	11.79	10.64	0.00	0.0	0.0
83.75	0.00	0.22	83.63	11.78	10.64	0.00	0.0	0.0
84.00	0.00	0.22	83.88	11.78	10.64	0.00	0.0	0.0
84.25	0.00	0.22	84.13	11.77	10.64	0.00	0.0	0.0
84.50	0.00	0.22	84.38	11.76	10.63	0.00	0.0	0.0
84.75	0.00	0.22	84.63	11.75	10.63	0.00	0.0	0.0
85.00	0.00	0.22	84.88	11.74	10.63	0.00	0.0	0.0
85.25	0.00	0.21	85.13	11.74	10.63	0.00	0.0	0.0
85.50	0.00	0.21	85.38	11.73	10.62	0.00	0.0	0.0
85.75	0.00	0.21	85.63	11.72	10.62	0.00	0.0	0.0
86.00	0.00	0.21	85.88	11.71	10.62	0.00	0.0	0.0
86.25	0.00	0.21	86.13	11.70	10.62	0.00	0.0	0.0
86.50	0.00	0.21	86.38	11.70	10.62	0.00	0.0	0.0
86.75	0.00	0.21	86.63	11.69	10.61	0.00	0.0	0.0
87.00	0.00	0.21	86.88	11.68	10.61	0.00	0.0	0.0
87.25	0.00	0.21	87.13	11.67	10.61	0.00	0.0	0.0
87.50	0.00	0.21	87.38	11.66	10.61	0.00	0.0	0.0
87.75	0.00	0.21	87.63	11.66	10.60	0.00	0.0	0.0
88.00	0.00	0.21	87.88	11.65	10.60	0.00	0.0	0.0
88.25	0.00	0.21	88.13	11.64	10.60	0.00	0.0	0.0
88.50	0.00	0.21	88.38	11.63	10.60	0.00	0.0	0.0
88.75	0.00	0.21	88.63	11.62	10.59	0.00	0.0	0.0
89.00	0.00	0.21	88.88	11.62	10.59	0.00	0.0	0.0
89.25	0.00	0.21	89.13	11.61	10.59	0.00	0.0	0.0
89.50	0.00	0.21	89.38	11.60	10.59	0.00	0.0	0.0
89.75	0.00	0.21	89.63	11.59	10.58	0.00	0.0	0.0
90.00	0.00	0.21	89.88	11.58	10.58	0.00	0.0	0.0
90.25	0.00	0.21	90.13	11.58	10.58	0.00	0.0	0.0
90.50	0.00	0.21	90.38	11.57	10.58	0.00	0.0	0.0
90.75	0.00	0.21	90.63	11.56	10.57	0.00	0.0	0.0
91.00	0.00	0.21	90.88	11.55	10.57	0.00	0.0	0.0
91.25	0.00	0.21	91.10	11.54	10.57	0.00	0.0	0.7
91.50	0.00	0.21	91.30	11.54	10.57	0.00	0.0	0.7
91.75	0.00	0.21	91.50	11.53	10.57	0.00	0.0	0.7
92.00	0.00	0.21	91.70	11.52	10.58	0.00	0.0	0.7
92.25	0.00	0.21	91.90	11.51	10.58	0.00	0.0	1.2

92.50	0.00	0.21	92.12	11.51	10.58	0.01	0.0	6.8
92.75	0.00	0.21	92.37	11.50	10.58	0.01	0.0	6.8
93.00	0.00	0.21	92.61	11.49	10.57	0.01	0.0	6.8
93.25	0.00	0.21	92.86	11.48	10.57	0.02	0.0	6.8
93.50	0.00	0.21	93.10	11.47	10.57	0.02	0.0	6.8
93.75	0.00	0.21	93.34	11.47	10.57	0.02	0.0	6.8
94.00	0.00	0.21	93.59	11.46	10.56	0.03	0.0	6.7
94.25	0.00	0.21	93.83	11.45	10.56	0.03	0.0	6.7
94.50	0.00	0.21	94.08	11.44	10.56	0.03	0.0	6.7
94.75	0.00	0.21	94.32	11.44	10.56	0.04	0.0	6.7
95.00	0.00	0.21	94.57	11.43	10.56	0.04	0.0	6.7
95.25	0.00	0.21	94.81	11.42	10.55	0.04	0.0	6.7
95.50	0.00	0.21	95.06	11.41	10.55	0.05	0.0	6.7
95.75	0.00	0.21	95.30	11.40	10.55	0.05	0.0	6.7
96.00	0.00	0.20	95.55	11.40	10.55	0.05	0.0	6.7
96.25	0.00	0.20	95.79	11.39	10.54	0.06	0.0	6.7
96.50	0.00	0.20	96.03	11.38	10.54	0.06	0.0	6.7
96.75	0.00	0.20	96.28	11.37	10.54	0.06	0.0	6.6
97.00	0.00	0.20	96.52	11.37	10.54	0.07	0.0	6.6
97.25	0.00	0.20	96.77	11.36	10.53	0.07	0.0	6.6
97.50	0.00	0.20	97.01	11.35	10.53	0.07	0.0	6.6
97.75	0.00	0.20	97.26	11.34	10.53	0.08	0.0	6.6
98.00	0.00	0.20	97.50	11.34	10.53	0.08	0.0	6.6
98.25	0.00	0.20	97.75	11.33	10.53	0.08	0.0	6.6
98.50	0.00	0.20	97.99	11.32	10.52	0.09	0.0	6.6
98.75	0.00	0.20	98.24	11.31	10.52	0.09	0.0	6.6
99.00	0.00	0.20	98.48	11.30	10.52	0.09	0.0	6.6
99.25	0.00	0.20	98.73	11.30	10.52	0.10	0.0	6.6
99.50	0.00	0.20	98.97	11.29	10.51	0.10	0.0	6.5
99.75	0.00	0.20	99.22	11.28	10.51	0.10	0.0	6.5

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PMC Pond 6

PMC Pond 6

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********** THE WASH PROGRAM DETERMINES A WATERSHED STORM HYDROGRAPH **********

***** WATERSHED CONDITIONS *****

AREA = 31.0 ACRES SLOPE = 17.900 % LENGTH = 3550.0 FT RAIN = 2.10 INCHES TIME = 24.00 HRS

***** HYDROGRAPH PARAMETERS *****

CL =1.000 CI =1.000 D =0.050 CN = 71.000 DELTAT = 0.25

ITP = 3 TP =0.300HRS QPCFS = 78.15 CFS QPIN = 2.500 IN/HR

***** UNIT HYDROGRAPH *****

0.00	2.26	15.84	38.28	59.86	73.75	78.15	74.61	66.02	55.11
43.94	33.76	25.15	18.26	12.97	9.04	6.20	4.19	2.80	1.84
1.20	0.78	0.50	0.32	0.20	0.13	0.08	0.05	0.03	0.02
0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00						

********** STORM HYDROGRAPH GENERATED FROM START OF RUNOFF **********

TIME *	0.00	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45
0.00 *	0.03	0.12	0.38	0.91	1.79	2.96	4.12	4.94	5.30	5.25
0.50 *	4.90	4.40	3.85	3.34	2.90	2.54	2.26	2.05	1.90	1.79
1.00 *	1.71	1.66	1.62	1.60	1.58	1.57	1.56	1.55	1.54	1.53
1.50 *	1.52	1.52	1.51	1.50	1.49	1.48	1.47	1.46	1.45	1.44
2.00 *	1.43	1.42	1.40	1.39	1.38	1.36	1.33	1.28	1.21	1.13
2.50 *	1.04	0.96	0.89	0.83	0.78	0.74	0.72	0.70	0.68	0.67
3.00 *	0.66	0.66	0.65	0.65	0.65	0.65	0.64	0.64	0.64	0.64
3.50 *	0.64	0.64	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62
4.00 *	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61
4.50 *	0.61	0.60	0.60	0.60	0.60	0.60	0.59	0.59	0.59	0.59
5.00 *	0.59	0.58	0.58	0.58	0.58	0.58	0.57	0.57	0.57	0.57
5.50 *	0.57	0.56	0.56	0.56	0.56	0.56	0.55	0.55	0.55	0.55
6.00 *	0.54	0.54	0.54	0.54	0.53	0.53	0.53	0.53	0.53	0.52
6.50 *	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.50	0.50	0.50
7.00 *	0.50	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.47	0.47
7.50 *	0.47	0.47	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.44
8.00 *	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.42	0.42	0.42
8.50 *	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.39	0.39	0.39
9.00 *	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.36	0.36	0.36
9.50 *	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.33	0.33	0.33
10.00 *	0.32	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.30	0.29
10.50 *	0.29	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.26
11.00 *	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.24	0.23	0.23
11.50 *	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20
12.00 *	0.19	0.19	0.19	0.18	0.18	0.16	0.14	0.12	0.10	0.08
12.50 *	0.06	0.04	0.03	0.02	0.02	0.01	0.01	0.00		

THE DEPTH OF WATER ON WATERSHED = 0.306 INCHES

VOLUME OF RUNOFF = 0.79 ACRE-FT

PEAK RUNOFF RATE = 5.3 CFS

TIME OF PEAK RUNOFF = 12.25 HRS

TIME INCR. OF NEW HYDROGRAPH = 0.25 HRS

****** STORM HYDROGRAPH GENERATED FROM START OF RUNOFF *******

0.9	5.3	3.3	1.9	1.6	1.5	1.5	1.5	1.4	1.2
0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3
0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1
0.0	0.0								

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********** THE DEPOSITS MODEL. JANUARY 1980 **********

***** INPUT CONTROL VARIABLES *****

MP	M	N	NS	MS	LS
8	52	8	7	400	0

NSTORM	CONSED	DEPOST	FLOW	TRP	FILTER	FIX	FRACTN	FLOWAV
1.00	1.00	1.00	3.00	1.00	1.00	1.00	0.00	0.00

INFLOW SEDIMENT DISTRIBUTION COMPLETE MIXING

MASS	VISCOS	DELTAT	DELPLG	DENSTY	SG	SET	SHORT	SLAG	DEAD
0.390	0.0114	0.25	0.25	1.20	2.65	2.00	1.00	0.00	0.00

***** DEPOSITS ERROR MESSAGES *****

***** STORM EVENT SUMMARY *****

PERMANENT POOL CAPACITY	=	0.20	ACRE-FT
DEAD STORAGE	=	0.00	ACRE-FT
STORM RUNOFF VOLUME	=	0.78	ACRE-FT
STORM VOLUME DISCHARGED	=	0.13	ACRE-FT
POND VOLUME AT PEAK STAGE	=	0.94	ACRE-FT
PEAK STAGE	=	8.57	FT
PEAK INFLOW RATE	=	5.30	CFS
PEAK DISCHARGE RATE	=	0.05	CFS
PEAK INFLOW SEDIMENT CONCENTRATION	=	1020.0	MG/L
PEAK EFFLUENT SEDIMENT CONCENTRATION	=	38.2	MG/L
STORM AVERAGE EFFLUENT CONCENTRATION	=	32.6	MG/L

AVERAGE EFFLUENT SEDIMENT CONCENTRATION	=	12.7	MG/L
BASIN TRAP EFFICIENCY	=	98.56	%
DETENTION TIME OF FLOW WITH SEDIMENT	=	95.45	HRS
DETENTION TIME FROM HYDROGRAPH CENTERS	=	44.44	HRS
DETENTION TIME INCLUDING STORED FLOW	=	90.08	HRS
SEDIMENT LOAD	=	0.39	TONS

***** PARTICLE SIZE DISTRIBUTION OF SEDIMENT INFLOW *****

SIZE (MM)	0.0000	0.0100	0.0250	0.0500	0.1000	0.1500	0.2000
% FINER	0.0	34.4	77.3	93.4	95.5	99.5	99.9

***** PARTICLE SIZE DISTRIBUTION OF EFFLUENT ******

SIZE (MM)	0.0000	0.0100	0.0250	0.0500	0.1000	0.1500	0.2000
% FINER	0.0	100.0	100.0	100.0	100.0	100.0	100.0

***** OUTFLOW WITHDRAWAL DISTRIBUTION *****

STAGE (FT)	OUTFLOW 1 (%)	OUTFLOW 2 (%)	OUTFLOW 3 (%)	OUTFLOW 4 (%)
0.00	100.00	0.00	0.00	0.00
2.00	100.00	0.00	0.00	0.00
4.00	100.00	0.00	0.00	0.00
6.00	100.00	0.00	0.00	0.00
8.00	100.00	0.00	0.00	0.00
10.00	100.00	0.00	0.00	0.00
12.00	100.00	0.00	0.00	0.00
14.00	100.00	0.00	0.00	0.00

***** BASIN GEOMETRY *****

STAGE (FT)	AREA (ACRES)	AVERAGE DEPTH (FT)	DISCHARGE (CFS)	CAPACITY (ACRES-FT)
0.0000	0.00000	0.00	0.00	0.00000
2.0000	0.05000	2.00	0.00	0.05000

4.0000	0.10000	3.00	0.00	0.20000
6.0000	0.15000	4.22	0.02	0.45000
8.0000	0.20000	5.50	0.04	0.80000
10.0000	0.30000	6.62	0.06	1.30000
12.0000	0.30000	7.89	0.07	1.90000
14.0000	0.30000	9.52	0.08	2.50000

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***** STORM HYDROGRAPHS & SEDIMENTGRAPHS *****

TIME	INFLOW	DISCHARGE	DETENTION TIME	STAGE	DEPTH	SEDIMENT	INFLUENT	EFFLUENT
(HRS)	(CFS)	(CFS)	(HRS)	(FT)	(FT)	(%)	(MG/L)	(MG/L)
0.25	5.30	0.00	0.13	2.26	1.66	0.00	733.1	0.0
0.50	3.34	0.01	0.38	4.87	2.28	0.00	1020.0	0.0
0.75	1.90	0.01	0.63	5.44	2.85	0.00	618.5	0.0
1.00	1.60	0.02	0.88	5.80	3.18	0.00	412.4	0.0
1.25	1.54	0.02	1.13	6.04	3.40	0.00	369.9	0.0
1.50	1.50	0.02	1.38	6.23	3.56	0.00	358.5	0.0
1.75	1.45	0.02	1.63	6.41	3.70	0.00	348.3	0.0
2.00	1.39	0.03	1.88	6.57	3.81	0.00	335.4	0.0
2.25	1.21	0.03	2.13	6.73	3.91	0.00	307.1	0.0
2.50	0.83	0.03	2.38	6.87	3.99	0.00	240.8	0.0
2.75	0.68	0.03	2.63	6.97	4.07	0.00	178.2	0.0
3.00	0.65	0.03	2.88	7.05	4.14	0.00	157.1	0.0
3.25	0.64	0.03	3.13	7.12	4.20	0.00	152.2	0.0
3.50	0.63	0.03	3.38	7.19	4.26	0.00	150.2	0.0
3.75	0.63	0.03	3.63	7.26	4.31	0.00	148.5	0.0
4.00	0.62	0.03	3.88	7.33	4.36	0.00	146.6	0.0
4.25	0.61	0.04	4.13	7.40	4.40	0.00	144.7	0.0
4.50	0.60	0.04	4.38	7.47	4.44	0.00	142.6	0.0
4.75	0.59	0.04	4.63	7.54	4.48	0.00	140.4	0.0
5.00	0.58	0.04	4.88	7.60	4.52	0.00	138.1	0.0
5.25	0.57	0.04	5.13	7.67	4.56	0.00	135.7	0.0
5.50	0.56	0.04	5.38	7.73	4.59	0.00	133.2	0.0
5.75	0.55	0.04	5.63	7.79	4.63	0.00	130.7	0.0
6.00	0.54	0.04	5.88	7.85	4.66	0.00	128.0	0.0
6.25	0.53	0.04	6.13	7.91	4.69	0.00	125.3	0.0
6.50	0.51	0.04	6.38	7.97	4.72	0.00	122.5	0.0
6.75	0.50	0.04	6.63	8.01	4.75	0.00	119.6	0.0
7.00	0.49	0.04	6.88	8.05	4.78	0.00	116.6	0.0
7.25	0.47	0.04	7.13	8.09	4.80	0.00	113.5	0.0
7.50	0.46	0.04	7.38	8.12	4.83	0.00	110.4	0.0
7.75	0.45	0.04	7.63	8.16	4.85	0.00	107.2	0.0
8.00	0.43	0.04	7.88	8.19	4.88	0.00	104.0	0.0
8.25	0.42	0.04	8.13	8.23	4.90	0.00	100.6	0.0
8.50	0.41	0.04	8.38	8.26	4.92	0.00	97.3	0.0
8.75	0.39	0.04	8.63	8.29	4.94	0.00	93.8	0.0
9.00	0.38	0.04	8.88	8.31	4.96	0.00	90.4	0.0
9.25	0.36	0.04	9.13	8.34	4.98	0.00	86.8	0.0
9.50	0.35	0.04	9.38	8.37	5.00	0.00	83.2	0.0
9.75	0.33	0.05	9.63	8.39	5.02	0.00	79.6	0.0
10.00	0.31	0.05	9.88	8.42	5.04	0.00	75.9	0.0
10.25	0.30	0.05	10.13	8.44	5.06	0.00	72.2	0.0
10.50	0.28	0.05	10.38	8.46	5.07	0.00	68.5	0.0
10.75	0.27	0.05	10.63	8.48	5.09	0.00	64.7	0.0
11.00	0.25	0.05	10.88	8.50	5.11	0.00	60.9	0.0
11.25	0.23	0.05	11.13	8.51	5.12	0.00	57.0	0.0
11.50	0.22	0.05	11.38	8.53	5.13	0.00	53.1	0.0

11.75	0.20	0.05	11.63	8.54	5.15	0.00	49.2	0.0
12.00	0.18	0.05	11.88	8.56	5.16	0.00	45.2	0.0
12.25	0.10	0.05	12.13	8.57	5.18	0.00	33.3	0.0
12.50	0.02	0.05	12.38	8.57	5.19	0.00	14.4	0.0
12.75	0.00	0.05	12.63	8.57	5.20	0.00	3.1	0.0
13.00	0.00	0.05	12.88	8.57	5.21	0.00	0.0	0.0
13.25	0.00	0.05	13.13	8.56	5.23	0.00	0.0	0.0
13.50	0.00	0.05	13.38	8.56	5.24	0.00	0.0	0.0
13.75	0.00	0.05	13.63	8.56	5.25	0.00	0.0	0.0
14.00	0.00	0.05	13.88	8.55	5.26	0.00	0.0	0.0
14.25	0.00	0.05	14.13	8.55	5.27	0.00	0.0	0.0
14.50	0.00	0.05	14.38	8.54	5.28	0.00	0.0	0.0
14.75	0.00	0.05	14.63	8.54	5.29	0.00	0.0	0.0
15.00	0.00	0.05	14.88	8.54	5.29	0.00	0.0	0.0
15.25	0.00	0.05	15.13	8.53	5.30	0.00	0.0	0.0
15.50	0.00	0.05	15.38	8.53	5.31	0.00	0.0	0.0
15.75	0.00	0.05	15.63	8.53	5.32	0.00	0.0	0.0
16.00	0.00	0.05	15.88	8.52	5.33	0.00	0.0	0.0
16.25	0.00	0.05	16.13	8.52	5.33	0.00	0.0	0.0
16.50	0.00	0.05	16.38	8.51	5.34	0.00	0.0	0.0
16.75	0.00	0.05	16.63	8.51	5.35	0.00	0.0	0.0
17.00	0.00	0.05	16.88	8.51	5.35	0.00	0.0	0.0
17.25	0.00	0.05	17.13	8.50	5.36	0.00	0.0	0.0
17.50	0.00	0.05	17.38	8.50	5.36	0.00	0.0	0.0
17.75	0.00	0.05	17.63	8.49	5.37	0.00	0.0	0.0
18.00	0.00	0.05	17.88	8.49	5.38	0.00	0.0	0.0
18.25	0.00	0.05	18.13	8.49	5.38	0.00	0.0	0.0
18.50	0.00	0.05	18.38	8.48	5.39	0.00	0.0	0.0
18.75	0.00	0.05	18.63	8.48	5.39	0.00	0.0	0.0
19.00	0.00	0.05	18.88	8.48	5.40	0.00	0.0	0.0
19.25	0.00	0.05	19.13	8.47	5.40	0.00	0.0	0.0
19.50	0.00	0.05	19.38	8.47	5.41	0.00	0.0	0.0
19.75	0.00	0.05	19.63	8.46	5.41	0.00	0.0	0.0
20.00	0.00	0.05	19.88	8.46	5.42	0.00	0.0	0.0
20.25	0.00	0.05	20.13	8.46	5.42	0.00	0.0	0.0
20.50	0.00	0.05	20.38	8.45	5.42	0.00	0.0	0.0
20.75	0.00	0.05	20.63	8.45	5.43	0.00	0.0	0.0
21.00	0.00	0.05	20.88	8.45	5.43	0.00	0.0	0.0
21.25	0.00	0.05	21.13	8.44	5.44	0.00	0.0	0.0
21.50	0.00	0.05	21.38	8.44	5.44	0.00	0.0	0.0
21.75	0.00	0.05	21.63	8.43	5.44	0.00	0.0	0.0
22.00	0.00	0.05	21.88	8.43	5.45	0.00	0.0	0.0
22.25	0.00	0.05	22.13	8.43	5.45	0.00	0.0	0.0
22.50	0.00	0.05	22.38	8.42	5.45	0.00	0.0	0.0
22.75	0.00	0.05	22.63	8.42	5.46	0.00	0.0	0.0
23.00	0.00	0.05	22.88	8.42	5.46	0.00	0.0	0.0
23.25	0.00	0.05	23.13	8.41	5.46	0.00	0.0	0.0
23.50	0.00	0.05	23.38	8.41	5.46	0.00	0.0	0.0
23.75	0.00	0.05	23.63	8.40	5.47	0.00	0.0	0.0
24.00	0.00	0.04	23.88	8.40	5.47	0.00	0.0	0.0
24.25	0.00	0.04	24.13	8.40	5.47	0.00	0.0	0.0
24.50	0.00	0.04	24.38	8.39	5.48	0.00	0.0	0.0
24.75	0.00	0.04	24.63	8.39	5.48	0.00	0.0	0.0
25.00	0.00	0.04	24.88	8.39	5.48	0.00	0.0	0.0
25.25	0.00	0.04	25.13	8.38	5.48	0.00	0.0	0.0
25.50	0.00	0.04	25.38	8.38	5.48	0.00	0.0	0.0
25.75	0.00	0.04	25.63	8.38	5.49	0.00	0.0	0.0
26.00	0.00	0.04	25.88	8.37	5.49	0.00	0.0	0.0
26.25	0.00	0.04	26.13	8.37	5.49	0.00	0.0	0.0
26.50	0.00	0.04	26.38	8.36	5.49	0.00	0.0	0.0
26.75	0.00	0.04	26.63	8.36	5.49	0.00	0.0	0.0
27.00	0.00	0.04	26.88	8.36	5.50	0.00	0.0	0.0
27.25	0.00	0.04	27.13	8.35	5.50	0.00	0.0	0.0
27.50	0.00	0.04	27.38	8.35	5.50	0.00	0.0	0.0
27.75	0.00	0.04	27.63	8.35	5.50	0.00	0.0	0.0
28.00	0.00	0.04	27.88	8.34	5.50	0.00	0.0	0.0

28.25	0.00	0.04	28.13	8.34	5.51	0.00	0.0	0.0
28.50	0.00	0.04	28.38	8.33	5.51	0.00	0.0	0.0
28.75	0.00	0.04	28.63	8.33	5.51	0.00	0.0	0.0
29.00	0.00	0.04	28.88	8.33	5.51	0.00	0.0	0.0
29.25	0.00	0.04	29.13	8.32	5.51	0.00	0.0	0.0
29.50	0.00	0.04	29.38	8.32	5.51	0.00	0.0	0.0
29.75	0.00	0.04	29.63	8.32	5.51	0.00	0.0	0.0
30.00	0.00	0.04	29.88	8.31	5.52	0.00	0.0	0.0
30.25	0.00	0.04	30.13	8.31	5.52	0.00	0.0	0.0
30.50	0.00	0.04	30.38	8.31	5.52	0.00	0.0	0.0
30.75	0.00	0.04	30.63	8.30	5.52	0.00	0.0	0.0
31.00	0.00	0.04	30.88	8.30	5.52	0.00	0.0	0.0
31.25	0.00	0.04	31.13	8.29	5.52	0.00	0.0	0.0
31.50	0.00	0.04	31.38	8.29	5.52	0.00	0.0	0.0
31.75	0.00	0.04	31.63	8.29	5.52	0.00	0.0	0.0
32.00	0.00	0.04	31.88	8.28	5.53	0.00	0.0	0.0
32.25	0.00	0.04	32.13	8.28	5.53	0.00	0.0	0.0
32.50	0.00	0.04	32.38	8.28	5.53	0.00	0.0	0.0
32.75	0.00	0.04	32.63	8.27	5.53	0.00	0.0	0.0
33.00	0.00	0.04	32.88	8.27	5.53	0.00	0.0	0.0
33.25	0.00	0.04	33.13	8.26	5.53	0.00	0.0	0.0
33.50	0.00	0.04	33.38	8.26	5.53	0.00	0.0	0.0
33.75	0.00	0.04	33.63	8.26	5.53	0.00	0.0	0.0
34.00	0.00	0.04	33.88	8.25	5.53	0.00	0.0	0.0
34.25	0.00	0.04	34.13	8.25	5.53	0.00	0.0	0.0
34.50	0.00	0.04	34.38	8.25	5.53	0.00	0.0	0.0
34.75	0.00	0.04	34.63	8.24	5.53	0.00	0.0	0.0
35.00	0.00	0.04	34.88	8.24	5.54	0.00	0.0	0.0
35.25	0.00	0.04	35.13	8.24	5.54	0.00	0.0	0.0
35.50	0.00	0.04	35.38	8.23	5.54	0.00	0.0	0.0
35.75	0.00	0.04	35.63	8.23	5.54	0.00	0.0	0.0
36.00	0.00	0.04	35.88	8.23	5.54	0.00	0.0	0.0
36.25	0.00	0.04	36.13	8.22	5.54	0.00	0.0	0.0
36.50	0.00	0.04	36.38	8.22	5.54	0.00	0.0	0.0
36.75	0.00	0.04	36.63	8.21	5.54	0.00	0.0	0.0
37.00	0.00	0.04	36.88	8.21	5.54	0.00	0.0	0.0
37.25	0.00	0.04	37.13	8.21	5.54	0.00	0.0	0.0
37.50	0.00	0.04	37.38	8.20	5.54	0.00	0.0	0.0
37.75	0.00	0.04	37.63	8.20	5.54	0.00	0.0	0.0
38.00	0.00	0.04	37.88	8.20	5.54	0.00	0.0	0.0
38.25	0.00	0.04	38.13	8.19	5.54	0.00	0.0	0.0
38.50	0.00	0.04	38.38	8.19	5.54	0.00	0.0	0.0
38.75	0.00	0.04	38.63	8.19	5.54	0.00	0.0	0.0
39.00	0.00	0.04	38.88	8.18	5.54	0.00	0.0	0.0
39.25	0.00	0.04	39.13	8.18	5.54	0.00	0.0	0.0
39.50	0.00	0.04	39.38	8.17	5.54	0.00	0.0	0.0
39.75	0.00	0.04	39.63	8.17	5.55	0.00	0.0	0.0
40.00	0.00	0.04	39.88	8.17	5.55	0.00	0.0	0.0
40.25	0.00	0.04	40.13	8.16	5.55	0.00	0.0	0.0
40.50	0.00	0.04	40.38	8.16	5.55	0.00	0.0	0.0
40.75	0.00	0.04	40.63	8.16	5.55	0.00	0.0	0.0
41.00	0.00	0.04	40.88	8.15	5.55	0.00	0.0	0.0
41.25	0.00	0.04	41.13	8.15	5.55	0.00	0.0	0.0
41.50	0.00	0.04	41.38	8.15	5.55	0.00	0.0	0.0
41.75	0.00	0.04	41.63	8.14	5.55	0.00	0.0	0.0
42.00	0.00	0.04	41.88	8.14	5.55	0.00	0.0	0.0
42.25	0.00	0.04	42.13	8.14	5.55	0.00	0.0	0.0
42.50	0.00	0.04	42.38	8.13	5.55	0.00	0.0	0.0
42.75	0.00	0.04	42.63	8.13	5.55	0.00	0.0	0.0
43.00	0.00	0.04	42.88	8.12	5.55	0.00	0.0	0.0
43.25	0.00	0.04	43.13	8.12	5.55	0.00	0.0	0.0
43.50	0.00	0.04	43.38	8.12	5.55	0.00	0.0	0.0
43.75	0.00	0.04	43.63	8.11	5.55	0.00	0.0	0.0
44.00	0.00	0.04	43.88	8.11	5.55	0.00	0.0	0.0
44.25	0.00	0.04	44.13	8.11	5.55	0.00	0.0	0.0
44.50	0.00	0.04	44.38	8.10	5.55	0.00	0.0	0.0

44.75	0.00	0.04	44.63	8.10	5.55	0.00	0.0	0.0
45.00	0.00	0.04	44.88	8.10	5.55	0.00	0.0	0.0
45.25	0.00	0.04	45.13	8.09	5.55	0.00	0.0	0.0
45.50	0.00	0.04	45.38	8.09	5.55	0.00	0.0	0.0
45.75	0.00	0.04	45.63	8.09	5.55	0.00	0.0	0.0
46.00	0.00	0.04	45.88	8.08	5.55	0.00	0.0	0.0
46.25	0.00	0.04	46.13	8.08	5.55	0.00	0.0	0.0
46.50	0.00	0.04	46.38	8.08	5.55	0.00	0.0	0.0
46.75	0.00	0.04	46.63	8.07	5.55	0.00	0.0	0.0
47.00	0.00	0.04	46.88	8.07	5.55	0.00	0.0	0.0
47.25	0.00	0.04	47.13	8.06	5.55	0.00	0.0	0.0
47.50	0.00	0.04	47.38	8.06	5.55	0.00	0.0	0.0
47.75	0.00	0.04	47.63	8.06	5.55	0.00	0.0	0.0
48.00	0.00	0.04	47.88	8.05	5.55	0.00	0.0	0.0
48.25	0.00	0.04	48.13	8.05	5.55	0.00	0.0	0.0
48.50	0.00	0.04	48.38	8.05	5.55	0.00	0.0	0.0
48.75	0.00	0.04	48.63	8.04	5.55	0.00	0.0	0.0
49.00	0.00	0.04	48.88	8.04	5.55	0.00	0.0	0.0
49.25	0.00	0.04	49.13	8.04	5.55	0.00	0.0	0.0
49.50	0.00	0.04	49.38	8.03	5.55	0.00	0.0	0.0
49.75	0.00	0.04	49.63	8.03	5.55	0.00	0.0	0.0
50.00	0.00	0.04	49.88	8.03	5.55	0.00	0.0	0.0
50.25	0.00	0.04	50.13	8.02	5.55	0.00	0.0	0.0
50.50	0.00	0.04	50.38	8.02	5.55	0.00	0.0	0.0
50.75	0.00	0.04	50.63	8.02	5.55	0.00	0.0	0.0
51.00	0.00	0.04	50.88	8.01	5.55	0.00	0.0	0.0
51.25	0.00	0.04	51.13	8.01	5.55	0.00	0.0	0.0
51.50	0.00	0.04	51.38	8.01	5.55	0.00	0.0	0.0
51.75	0.00	0.04	51.63	8.00	5.55	0.00	0.0	0.0
52.00	0.00	0.04	51.88	8.00	5.55	0.00	0.0	0.0
52.25	0.00	0.04	52.13	7.99	5.55	0.00	0.0	0.0
52.50	0.00	0.04	52.38	7.99	5.55	0.00	0.0	0.0
52.75	0.00	0.04	52.63	7.98	5.54	0.00	0.0	0.0
53.00	0.00	0.04	52.88	7.98	5.54	0.00	0.0	0.0
53.25	0.00	0.04	53.13	7.97	5.54	0.00	0.0	0.0
53.50	0.00	0.04	53.38	7.97	5.54	0.00	0.0	0.0
53.75	0.00	0.04	53.63	7.96	5.54	0.00	0.0	0.0
54.00	0.00	0.04	53.88	7.96	5.54	0.00	0.0	0.0
54.25	0.00	0.04	54.13	7.95	5.54	0.00	0.0	0.0
54.50	0.00	0.04	54.38	7.95	5.54	0.00	0.0	0.0
54.75	0.00	0.04	54.63	7.94	5.54	0.00	0.0	0.0
55.00	0.00	0.04	54.88	7.94	5.54	0.00	0.0	0.0
55.25	0.00	0.04	55.13	7.93	5.54	0.00	0.0	0.0
55.50	0.00	0.04	55.38	7.93	5.54	0.00	0.0	0.0
55.75	0.00	0.04	55.63	7.92	5.54	0.00	0.0	0.0
56.00	0.00	0.04	55.88	7.92	5.54	0.00	0.0	0.0
56.25	0.00	0.04	56.13	7.91	5.54	0.00	0.0	0.0
56.50	0.00	0.04	56.38	7.91	5.54	0.00	0.0	0.0
56.75	0.00	0.04	56.63	7.91	5.54	0.00	0.0	0.0
57.00	0.00	0.04	56.88	7.90	5.54	0.00	0.0	0.0
57.25	0.00	0.04	57.13	7.90	5.54	0.00	0.0	0.0
57.50	0.00	0.04	57.37	7.89	5.54	0.01	0.0	17.5
57.75	0.00	0.04	57.62	7.89	5.54	0.01	0.0	32.0
58.00	0.00	0.04	57.87	7.88	5.54	0.02	0.0	31.9
58.25	0.00	0.04	58.12	7.88	5.54	0.03	0.0	31.9
58.50	0.00	0.04	58.36	7.87	5.54	0.04	0.0	31.8
58.75	0.00	0.04	58.61	7.87	5.54	0.05	0.0	31.7
59.00	0.00	0.04	58.86	7.86	5.54	0.06	0.0	31.7
59.25	0.00	0.04	59.10	7.86	5.54	0.07	0.0	31.6
59.50	0.00	0.04	59.35	7.85	5.54	0.08	0.0	31.5
59.75	0.00	0.04	59.60	7.85	5.54	0.09	0.0	31.5
60.00	0.00	0.04	59.84	7.84	5.53	0.10	0.0	31.4
60.25	0.00	0.04	60.09	7.84	5.53	0.11	0.0	31.3
60.50	0.00	0.04	60.34	7.83	5.53	0.12	0.0	31.3
60.75	0.00	0.04	60.58	7.83	5.53	0.12	0.0	31.2
61.00	0.00	0.04	60.83	7.82	5.53	0.13	0.0	31.1

61.25	0.00	0.04	61.08	7.82	5.53	0.14	0.0	31.1
61.50	0.00	0.04	61.32	7.81	5.53	0.15	0.0	31.0
61.75	0.00	0.04	61.57	7.81	5.53	0.16	0.0	30.9
62.00	0.00	0.04	61.82	7.81	5.53	0.17	0.0	30.9
62.25	0.00	0.04	62.06	7.80	5.53	0.18	0.0	30.8
62.50	0.00	0.04	62.31	7.80	5.53	0.19	0.0	30.8
62.75	0.00	0.04	62.56	7.79	5.53	0.20	0.0	30.7
63.00	0.00	0.04	62.80	7.79	5.53	0.20	0.0	30.6
63.25	0.00	0.04	63.05	7.78	5.53	0.21	0.0	30.6
63.50	0.00	0.04	63.30	7.78	5.53	0.22	0.0	30.5
63.75	0.00	0.04	63.54	7.77	5.53	0.23	0.0	30.5
64.00	0.00	0.04	63.79	7.77	5.53	0.24	0.0	30.4
64.25	0.00	0.04	64.04	7.76	5.53	0.25	0.0	30.3
64.50	0.00	0.04	64.28	7.76	5.53	0.26	0.0	30.3
64.75	0.00	0.04	64.53	7.75	5.53	0.26	0.0	30.2
65.00	0.00	0.04	64.78	7.75	5.53	0.27	0.0	30.2
65.25	0.00	0.04	65.03	7.74	5.53	0.28	0.0	30.1
65.50	0.00	0.04	65.27	7.74	5.52	0.29	0.0	30.0
65.75	0.00	0.04	65.52	7.74	5.52	0.30	0.0	30.0
66.00	0.00	0.04	65.77	7.73	5.52	0.31	0.0	29.9
66.25	0.00	0.04	66.01	7.73	5.52	0.31	0.0	29.9
66.50	0.00	0.04	66.26	7.72	5.52	0.32	0.0	29.8
66.75	0.00	0.04	66.51	7.72	5.52	0.33	0.0	29.8
67.00	0.00	0.04	66.75	7.71	5.52	0.34	0.0	29.7
67.25	0.00	0.04	67.00	7.71	5.52	0.35	0.0	29.6
67.50	0.00	0.04	67.25	7.70	5.52	0.36	0.0	29.6
67.75	0.00	0.04	67.49	7.70	5.52	0.36	0.0	29.5
68.00	0.00	0.04	67.74	7.69	5.52	0.37	0.0	29.5
68.25	0.00	0.04	67.99	7.69	5.52	0.38	0.0	29.4
68.50	0.00	0.04	68.24	7.69	5.52	0.39	0.0	29.4
68.75	0.00	0.04	68.48	7.68	5.52	0.40	0.0	29.3
69.00	0.00	0.04	68.73	7.68	5.52	0.40	0.0	29.3
69.25	0.00	0.04	68.98	7.67	5.52	0.41	0.0	29.2
69.50	0.00	0.04	69.22	7.67	5.52	0.42	0.0	29.1
69.75	0.00	0.04	69.47	7.66	5.51	0.43	0.0	29.1
70.00	0.00	0.04	69.72	7.66	5.51	0.44	0.0	29.0
70.25	0.00	0.04	69.96	7.65	5.51	0.44	0.0	29.0
70.50	0.00	0.04	70.21	7.65	5.51	0.45	0.0	28.9
70.75	0.00	0.04	70.46	7.65	5.51	0.46	0.0	28.9
71.00	0.00	0.04	70.70	7.64	5.51	0.47	0.0	28.8
71.25	0.00	0.04	70.95	7.64	5.51	0.48	0.0	28.8
71.50	0.00	0.04	71.20	7.63	5.51	0.48	0.0	28.7
71.75	0.00	0.04	71.45	7.63	5.51	0.49	0.0	28.7
72.00	0.00	0.04	71.69	7.62	5.51	0.50	0.0	28.6
72.25	0.00	0.04	71.94	7.62	5.51	0.51	0.0	28.6
72.50	0.00	0.04	72.19	7.61	5.51	0.51	0.0	28.5
72.75	0.00	0.04	72.43	7.61	5.51	0.52	0.0	28.5
73.00	0.00	0.04	72.68	7.61	5.51	0.53	0.0	28.4
73.25	0.00	0.04	72.93	7.60	5.50	0.54	0.0	28.4
73.50	0.00	0.04	73.17	7.60	5.50	0.54	0.0	28.3
73.75	0.00	0.04	73.42	7.59	5.50	0.55	0.0	28.3
74.00	0.00	0.04	73.67	7.59	5.50	0.56	0.0	28.2
74.25	0.00	0.04	73.92	7.58	5.50	0.57	0.0	28.2
74.50	0.00	0.04	74.16	7.58	5.50	0.57	0.0	28.1
74.75	0.00	0.04	74.41	7.57	5.50	0.58	0.0	28.1
75.00	0.00	0.04	74.66	7.57	5.50	0.59	0.0	28.0
75.25	0.00	0.04	74.90	7.57	5.50	0.60	0.0	28.0
75.50	0.00	0.04	75.15	7.56	5.50	0.60	0.0	27.9
75.75	0.00	0.04	75.40	7.56	5.50	0.61	0.0	27.9
76.00	0.00	0.04	75.64	7.55	5.50	0.62	0.0	27.8
76.25	0.00	0.04	75.89	7.55	5.50	0.63	0.0	27.8
76.50	0.00	0.04	76.14	7.54	5.49	0.63	0.0	27.7
76.75	0.00	0.04	76.39	7.54	5.49	0.64	0.0	27.7
77.00	0.00	0.04	76.63	7.54	5.49	0.65	0.0	27.6
77.25	0.00	0.04	76.88	7.53	5.49	0.66	0.0	27.6
77.50	0.00	0.04	77.13	7.53	5.49	0.66	0.0	27.5

77.75	0.00	0.04	77.37	7.52	5.49	0.67	0.0	35.3
78.00	0.00	0.04	77.62	7.52	5.49	0.68	0.0	38.2
78.25	0.00	0.04	77.87	7.51	5.49	0.69	0.0	38.1
78.50	0.00	0.04	78.12	7.51	5.49	0.70	0.0	38.1
78.75	0.00	0.04	78.37	7.51	5.49	0.71	0.0	38.0
79.00	0.00	0.04	78.61	7.50	5.49	0.72	0.0	37.9
79.25	0.00	0.04	78.86	7.50	5.49	0.73	0.0	37.9
79.50	0.00	0.04	79.11	7.49	5.48	0.74	0.0	37.8
79.75	0.00	0.04	79.36	7.49	5.48	0.75	0.0	37.8
80.00	0.00	0.04	79.61	7.48	5.48	0.76	0.0	37.7
80.25	0.00	0.04	79.85	7.48	5.48	0.77	0.0	37.6
80.50	0.00	0.04	80.10	7.48	5.48	0.78	0.0	37.6
80.75	0.00	0.04	80.35	7.47	5.48	0.79	0.0	37.5
81.00	0.00	0.04	80.60	7.47	5.48	0.80	0.0	37.5
81.25	0.00	0.04	80.85	7.46	5.48	0.81	0.0	37.4
81.50	0.00	0.04	81.09	7.46	5.48	0.82	0.0	37.3
81.75	0.00	0.04	81.34	7.46	5.48	0.83	0.0	37.3
82.00	0.00	0.04	81.59	7.45	5.47	0.84	0.0	37.2
82.25	0.00	0.04	81.84	7.45	5.47	0.85	0.0	37.1
82.50	0.00	0.04	82.09	7.44	5.47	0.86	0.0	37.1
82.75	0.00	0.04	82.33	7.44	5.47	0.87	0.0	37.0
83.00	0.00	0.04	82.58	7.43	5.47	0.87	0.0	37.0
83.25	0.00	0.04	82.83	7.43	5.47	0.88	0.0	36.9
83.50	0.00	0.04	83.08	7.43	5.47	0.89	0.0	36.9
83.75	0.00	0.04	83.33	7.42	5.47	0.90	0.0	36.8
84.00	0.00	0.03	83.57	7.42	5.47	0.91	0.0	36.7
84.25	0.00	0.03	83.82	7.41	5.47	0.92	0.0	36.7
84.50	0.00	0.03	84.07	7.41	5.47	0.93	0.0	36.6
84.75	0.00	0.03	84.32	7.41	5.46	0.94	0.0	36.6
85.00	0.00	0.03	84.56	7.40	5.46	0.95	0.0	36.5
85.25	0.00	0.03	84.81	7.40	5.46	0.96	0.0	36.5
85.50	0.00	0.03	85.06	7.39	5.46	0.97	0.0	36.4
85.75	0.00	0.03	85.31	7.39	5.46	0.98	0.0	36.3
86.00	0.00	0.03	85.56	7.38	5.46	0.98	0.0	36.3
86.25	0.00	0.03	85.80	7.38	5.46	0.99	0.0	36.2
86.50	0.00	0.03	86.05	7.38	5.46	1.00	0.0	36.2
86.75	0.00	0.03	86.30	7.37	5.46	1.01	0.0	36.1
87.00	0.00	0.03	86.55	7.37	5.46	1.02	0.0	36.1
87.25	0.00	0.03	86.80	7.36	5.45	1.03	0.0	36.0
87.50	0.00	0.03	87.04	7.36	5.45	1.04	0.0	36.0
87.75	0.00	0.03	87.29	7.36	5.45	1.05	0.0	35.9
88.00	0.00	0.03	87.54	7.35	5.45	1.06	0.0	35.8
88.25	0.00	0.03	87.79	7.35	5.45	1.07	0.0	35.8
88.50	0.00	0.03	88.04	7.34	5.45	1.07	0.0	35.7
88.75	0.00	0.03	88.29	7.34	5.45	1.08	0.0	35.7
89.00	0.00	0.03	88.53	7.34	5.45	1.09	0.0	35.6
89.25	0.00	0.03	88.78	7.33	5.45	1.10	0.0	35.6
89.50	0.00	0.03	89.03	7.33	5.45	1.11	0.0	35.5
89.75	0.00	0.03	89.28	7.32	5.44	1.12	0.0	35.5
90.00	0.00	0.03	89.53	7.32	5.44	1.13	0.0	35.4
90.25	0.00	0.03	89.77	7.32	5.44	1.13	0.0	35.4
90.50	0.00	0.03	90.02	7.31	5.44	1.14	0.0	35.3
90.75	0.00	0.03	90.27	7.31	5.44	1.15	0.0	35.3
91.00	0.00	0.03	90.52	7.30	5.44	1.16	0.0	35.2
91.25	0.00	0.03	90.77	7.30	5.44	1.17	0.0	35.2
91.50	0.00	0.03	91.01	7.30	5.44	1.18	0.0	35.1
91.75	0.00	0.03	91.26	7.29	5.44	1.19	0.0	35.1
92.00	0.00	0.03	91.51	7.29	5.44	1.19	0.0	35.0
92.25	0.00	0.03	91.76	7.28	5.43	1.20	0.0	35.0
92.50	0.00	0.03	92.01	7.28	5.43	1.21	0.0	34.9
92.75	0.00	0.03	92.25	7.28	5.43	1.22	0.0	34.9
93.00	0.00	0.03	92.50	7.27	5.43	1.23	0.0	34.8
93.25	0.00	0.03	92.75	7.27	5.43	1.24	0.0	34.8
93.50	0.00	0.03	93.00	7.26	5.43	1.24	0.0	34.7
93.75	0.00	0.03	93.25	7.26	5.43	1.25	0.0	34.7
94.00	0.00	0.03	93.49	7.26	5.43	1.26	0.0	34.6

94.25	0.00	0.03	93.74	7.25	5.43	1.27	0.0	34.6
94.50	0.00	0.03	93.99	7.25	5.42	1.28	0.0	34.5
94.75	0.00	0.03	94.24	7.25	5.42	1.29	0.0	34.5
95.00	0.00	0.03	94.49	7.24	5.42	1.29	0.0	34.4
95.25	0.00	0.03	94.73	7.24	5.42	1.30	0.0	34.4
95.50	0.00	0.03	94.98	7.23	5.42	1.31	0.0	34.3
95.75	0.00	0.03	95.23	7.23	5.42	1.32	0.0	34.3
96.00	0.00	0.03	95.48	7.23	5.42	1.33	0.0	34.2
96.25	0.00	0.03	95.73	7.22	5.42	1.33	0.0	34.2
96.50	0.00	0.03	95.98	7.22	5.42	1.34	0.0	34.1
96.75	0.00	0.03	96.22	7.21	5.42	1.35	0.0	34.1
97.00	0.00	0.03	96.47	7.21	5.41	1.36	0.0	34.0
97.25	0.00	0.03	96.72	7.21	5.41	1.37	0.0	34.0
97.50	0.00	0.03	96.97	7.20	5.41	1.37	0.0	33.9
97.75	0.00	0.03	97.22	7.20	5.41	1.38	0.0	33.9
98.00	0.00	0.03	97.46	7.20	5.41	1.39	0.0	33.8
98.25	0.00	0.03	97.71	7.19	5.41	1.40	0.0	33.8
98.50	0.00	0.03	97.96	7.19	5.41	1.41	0.0	33.7
98.75	0.00	0.03	98.21	7.18	5.41	1.41	0.0	33.7
99.00	0.00	0.03	98.46	7.18	5.41	1.42	0.0	33.7
99.25	0.00	0.03	98.70	7.18	5.40	1.43	0.0	33.6
99.50	0.00	0.03	98.95	7.17	5.40	1.44	0.0	33.6
99.75	0.00	0.03	99.20	7.17	5.40	1.44	0.0	33.5

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