

HYDROLOGIC REPORT FOR

GLEN EAGLE GOLF COURSE

DETENTION AND LAKE DESIGN

25 YEAR/20 MIN. STORM

LAKE #12

PREPARED BY:

PICKETT RAY & SILVER, INC.

333 MID RIVERS MALL DRIVE

ST. PETERS, MO. 63376

DESIGNER: TANYA DIETZ

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# HYDROLOGIC REPORT

GLEN EAGLE GOLF COURSE  
 LAKE #12.....  
 INFLOW.....

Hyd. No. 1

Hydrograph type = RATIONAL	Peak <sup>INFLOW</sup> discharge = 17.51 cfs
Storm frequency = 25 yr	Time interval = 1 min
Time of conc. = 20 min	Intensity = 5.03 in/hr
Runoff coeff. = .56114	Basin area = 6.2 ac

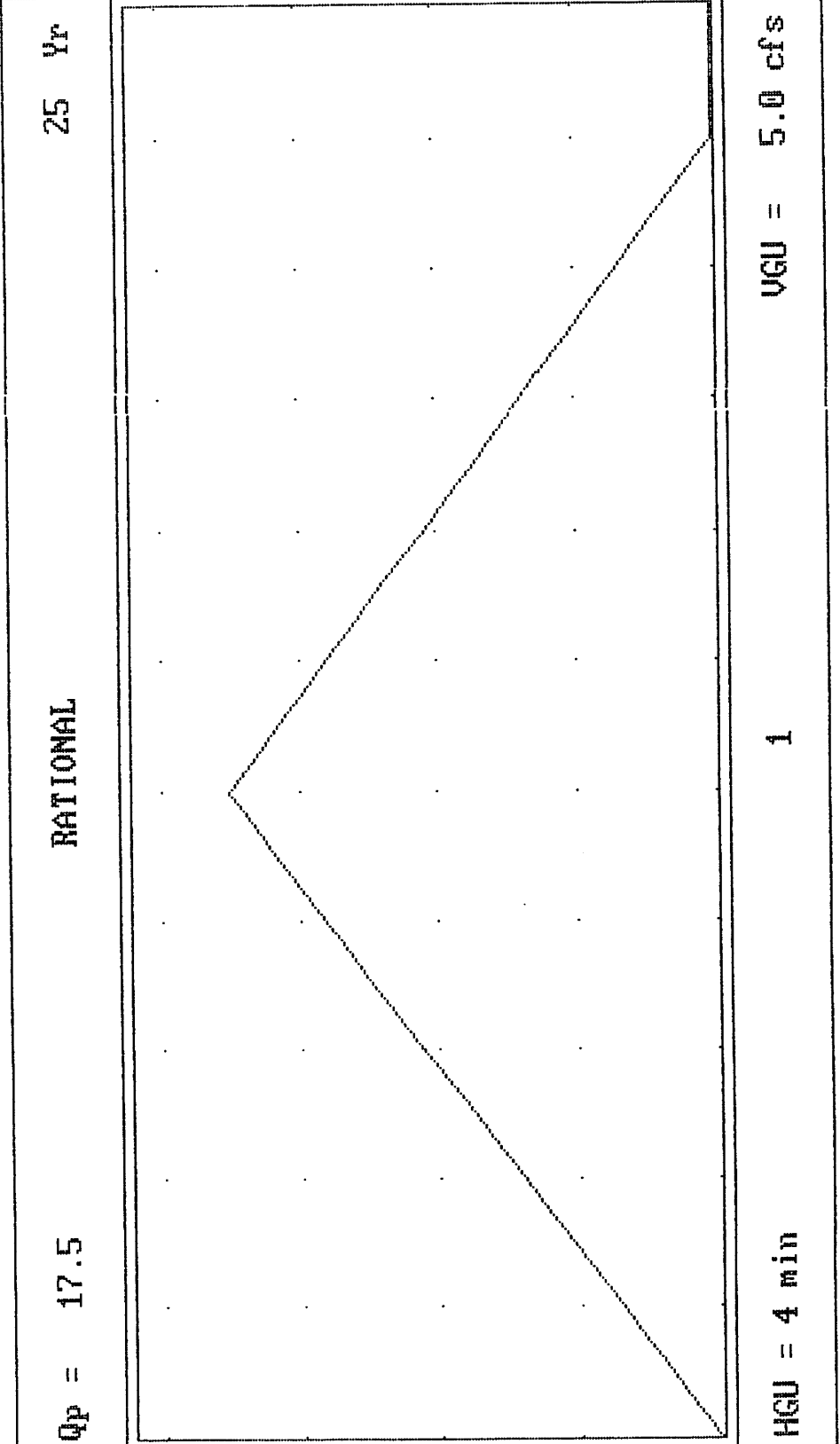
## HYDROGRAPH DISCHARGE TABLE

TIME--OUTFLOW		TIME--OUTFLOW		TIME--OUTFLOW		TIME--OUTFLOW	
(min	cfs)	(min	cfs)	(min	cfs)	(min	cfs)
1.00	0.88	2.00	1.75	3.00	2.63	4.00	3.50
5.00	4.38	6.00	5.25	7.00	6.13	8.00	7.01
9.00	7.88	10.00	8.76	11.00	9.63	12.00	10.51
13.00	11.38	14.00	12.26	15.00	13.14	16.00	14.01
17.00	14.89	18.00	15.76	19.00	16.64	20.00	17.51
21.00	16.64	22.00	15.76	23.00	14.89	24.00	14.01
25.00	13.14	26.00	12.26	27.00	11.38	28.00	10.51
29.00	9.63	30.00	8.76	31.00	7.88	32.00	7.01
33.00	6.13	34.00	5.25	35.00	4.38	36.00	3.50
37.00	2.63	38.00	1.75	39.00	0.88	40.00	0.00

**PEAK INFLOW:**

OFFSITE (RES.)	1.0 Ac. x 3.26 = 3.3 cfs
ONSITE (RES.)	2.3 Ac. x 3.26 = 7.5 cfs
ONSITE (GOLF)	2.9 Ac. x 2.31 = 6.7 cfs
<b>TOTAL</b>	<b>6.2 Acres = 17.5 cfs</b>

NOTE: Offsite areas are calculated as being developed under their current zoning classification.



$VOL = (\text{cuft/acft}) = 21017 / 0.482$





Reservoir No. 6

STAGE / STORAGE / DISCHARGE

LAKE #12....

Storage values were input manually

Discharge values: Culvert struct A.  $Q = .6 * A * [2gh/k]^{.5} * 1$   
 Culvert struct B.  $Q = .6 * A * [2gh/k]^{.5} * 0$   
 Weir struct A.  $Q = 3 * 0 * H ^ 1.5$   
 Weir struct B.  $Q = 3 * 0 * H ^ 1.5$

ELEVATION	DISCHARGE (cfs)					TOTAL
	CULVERT A		CULVERT B	WEIR A	WEIR B	
591.50	0.00		0.00	-	0.00	0.00
591.55	0.01	IC	0.00	-	0.00	0.01
591.60	0.08	IC	0.00	-	0.00	0.08
591.65	0.15	IC	0.00	-	0.00	0.15
591.70	0.18	IC	0.00	-	0.00	0.18
591.75	0.30	IC	0.00	-	0.00	0.30
591.80	0.45	IC	0.00	-	0.00	0.45
591.85	0.63	IC	0.00	-	0.00	0.63
591.90	0.68	IC	0.00	-	0.00	0.68
591.95	0.90	IC	0.00	-	0.00	0.90
592.00	1.13	IC	0.00	-	0.00	1.13

[PgDn]

[Esc] to exit

Reservoir No. 6

STAGE / STORAGE / DISCHARGE

LAKE #12....

Storage values were input manually

Discharge values: Culvert struct A.  $Q = .6 * A * [2gh/k]^{.5} * 1$   
 Culvert struct B.  $Q = .6 * A * [2gh/k]^{.5} * 0$   
 Weir struct A.  $Q = 3 * 0 * H ^ 1.5$   
 Weir struct B.  $Q = 3 * 0 * H ^ 1.5$

ELEVATION	DISCHARGE (cfs)					TOTAL
	CULVERT A		CULVERT B	WEIR A	WEIR B	
592.00	1.13	IC	0.00	-	0.00	1.13
592.05	1.19	IC	0.00	-	0.00	1.19
592.10	1.44	IC	0.00	-	0.00	1.44
592.15	1.49	IC	0.00	-	0.00	1.49
592.20	1.74	IC	0.00	-	0.00	1.74
592.25	1.97	IC	0.00	-	0.00	1.97
592.30	2.17	IC	0.00	-	0.00	2.17
592.35	2.24	IC	0.00	-	0.00	2.24
592.40	2.41	IC	0.00	-	0.00	2.41
592.45	2.59	IC	0.00	-	0.00	2.59
592.50	2.67	IC	0.00	-	0.00	2.67

[PgDn]

[Esc] to exit

Reservoir No. 6

STAGE / STORAGE / DISCHARGE

LAKE #12....

Storage values were input manually

Discharge values: Culvert struct A.  $Q = .6 * A * [2gh/k]^{.5} * 1$   
 Culvert struct B.  $Q = .6 * A * [2gh/k]^{.5} * 0$   
 Weir struct A.  $Q = 3 * 0 * H^{1.5}$   
 Weir struct B.  $Q = 3 * 0 * H^{1.5}$

ELEVATION	DISCHARGE (cfs)					TOTAL	
	CULVERT A		CULVERT B		WEIR A		WEIR B
592.50	2.67	IC	0.00	-	0.00	0.00	2.67
592.55	2.80	IC	0.00	-	0.00	0.00	2.80
592.60	2.93	IC	0.00	-	0.00	0.00	2.93
592.65	3.05	IC	0.00	-	0.00	0.00	3.05
592.70	3.16	IC	0.00	-	0.00	0.00	3.16
592.75	3.27	IC	0.00	-	0.00	0.00	3.27
592.80	3.38	IC	0.00	-	0.00	0.00	3.38
592.85	3.49	IC	0.00	-	0.00	0.00	3.49
592.90	3.59	IC	0.00	-	0.00	0.00	3.59
592.95	3.69	IC	0.00	-	0.00	0.00	3.69
593.00	3.78	IC	0.00	-	0.00	0.00	3.78

[PgDn]

[Esc] to exit

Reservoir No. 6

STAGE / STORAGE / DISCHARGE

LAKE #12....

Storage values were input manually

Discharge values: Culvert struct A.  $Q = .6 * A * [2gh/k]^{.5} * 1$   
 Culvert struct B.  $Q = .6 * A * [2gh/k]^{.5} * 0$   
 Weir struct A.  $Q = 3 * 0 * H^{1.5}$   
 Weir struct B.  $Q = 3 * 0 * H^{1.5}$

ELEVATION	DISCHARGE (cfs)					TOTAL	
	CULVERT A		CULVERT B		WEIR A		WEIR B
593.00	3.78	IC	0.00	-	0.00	0.00	3.78
593.05	3.87	IC	0.00	-	0.00	0.00	3.87
593.10	3.97	IC	0.00	-	0.00	0.00	3.97
593.15	4.05	IC	0.00	-	0.00	0.00	4.05
593.20	4.14	IC	0.00	-	0.00	0.00	4.14
593.25	4.23	IC	0.00	-	0.00	0.00	4.23
593.30	4.31	IC	0.00	-	0.00	0.00	4.31
593.35	4.39	IC	0.00	-	0.00	0.00	4.39
593.40	4.47	IC	0.00	-	0.00	0.00	4.47
593.45	4.55	IC	0.00	-	0.00	0.00	4.55
593.50	4.63	IC	0.00	-	0.00	0.00	4.63

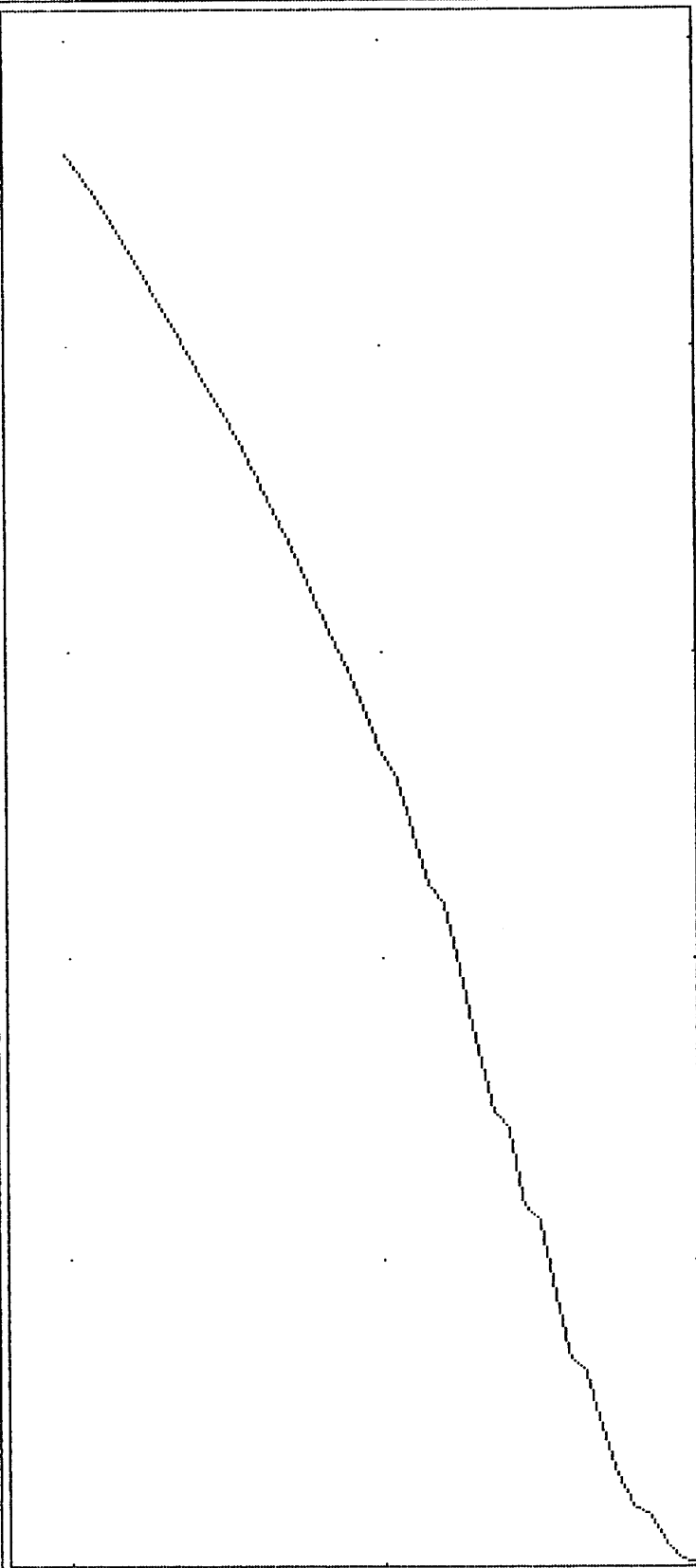
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[Esc] to exit





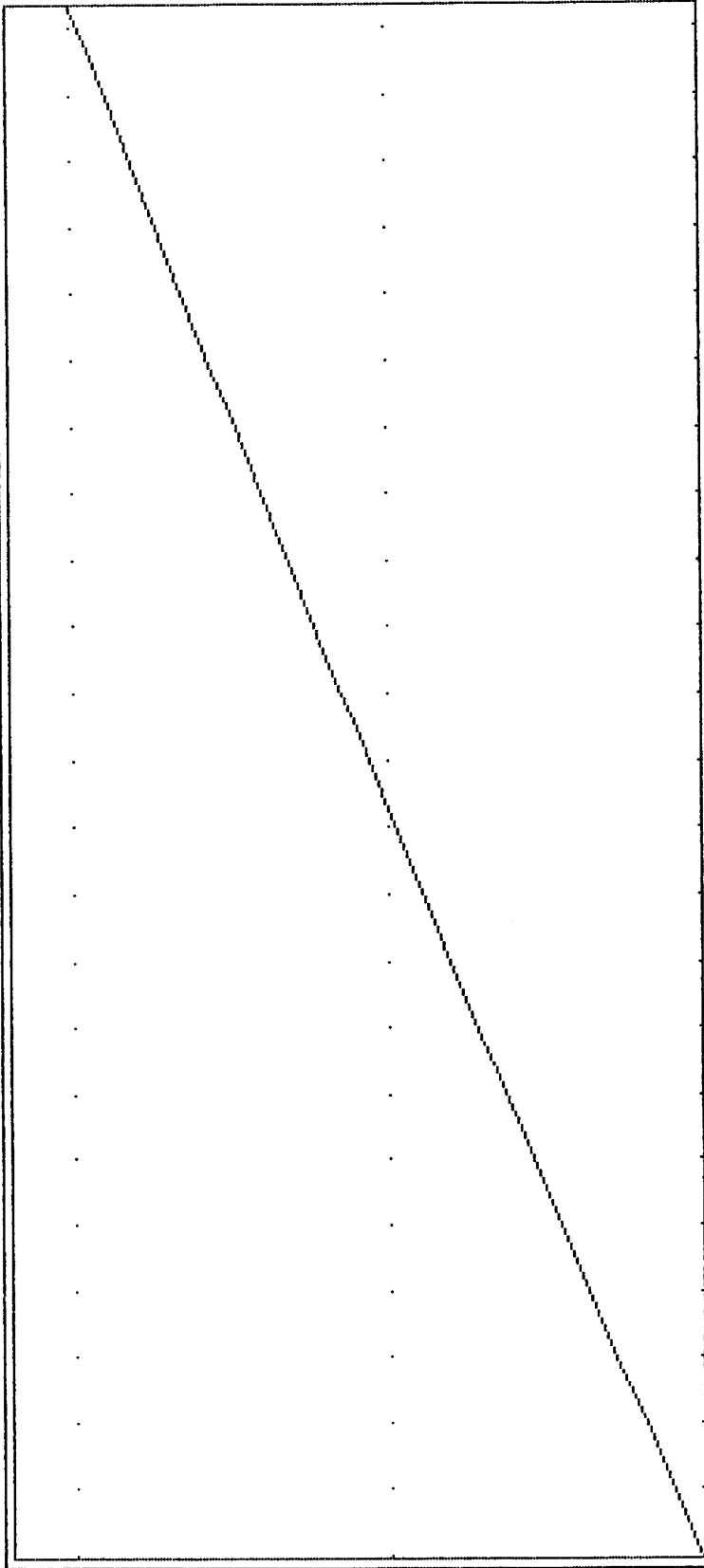
STAGE / DISCHARGE CURVE



HGU = 1.0 cfs

UGU = 1.0 ft

STAGE / STORAGE CURVE



HGU = 4000 cu ft

VGU = 1.0 ft

# HYDROLOGIC REPORT

GLEN EAGLE GOLF COURSE

.....  
LAKE #12.....

Hyd. No. 2

Hydrograph type = RESERVOIR ROUTE	Peak discharge = 0.90 cfs
Storm frequency = 25 yr	Time interval = 1 min
Inflow hyd. no. = 1	Reservoir no. = 6

## HYDROGRAPH DISCHARGE TABLE

TIME min	INFLOW (i) cfs	INFLOW (j) cfs	2S/dt-0 (i) cfs	2S/dt+0 (j) cfs	OUTFLOW cfs
2.00	1.75	2.63	3.50	3.50	0.00
3.00	2.63	3.50	7.88	7.88	0.00
4.00	3.50	4.38	14.00	14.01	0.00
5.00	4.38	5.25	21.88	21.88	0.00
6.00	5.25	6.13	31.50	31.51	0.01
7.00	6.13	7.01	42.87	42.88	0.01
8.00	7.01	7.88	55.99	56.00	0.01
9.00	7.88	8.76	70.85	70.87	0.01
10.00	8.76	9.63	87.44	87.49	0.02
11.00	9.63	10.51	105.75	105.83	0.04
12.00	10.51	11.38	125.78	125.89	0.06
13.00	11.38	12.26	147.52	147.67	0.08
14.00	12.26	13.14	170.96	171.16	0.10
15.00	13.14	14.01	196.11	196.36	0.13
16.00	14.01	14.89	222.95	223.26	0.15
17.00	14.89	15.76	251.52	251.85	0.16
18.00	15.76	16.64	281.83	282.17	0.17
19.00	16.64	17.51	313.82	314.23	0.20
20.00	17.51	16.64	347.46	347.98	0.26
21.00	16.64	15.76	380.99	381.61	0.31
22.00	15.76	14.89	412.63	413.39	0.38
23.00	14.89	14.01	442.40	443.28	0.44
24.00	14.01	13.14	470.28	471.30	0.51
25.00	13.14	12.26	496.28	497.43	0.57
26.00	12.26	11.38	520.41	521.68	0.63

HYDROGRAPH DISCHARGE TABLE Cont'd

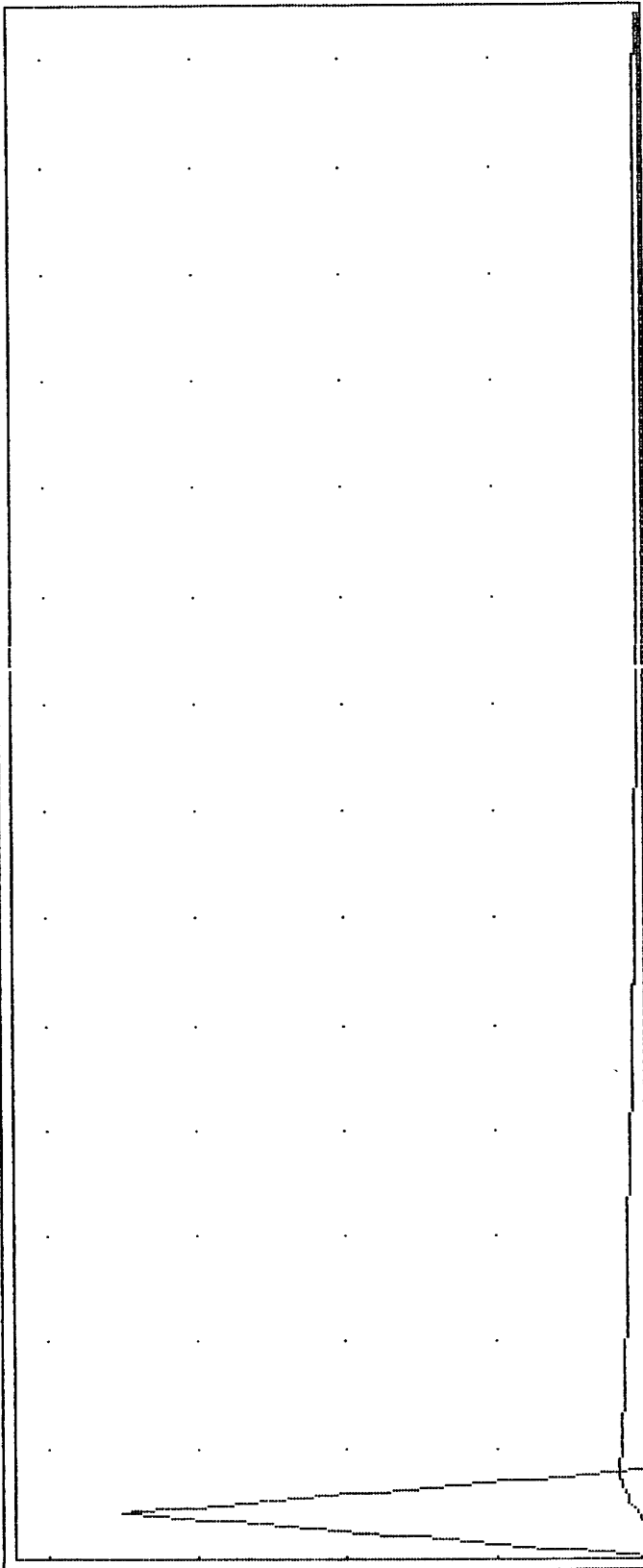
TIME min	INFLOW (i) cfs	INFLOW (j) cfs	2S/dt-0 (i) cfs	2S/dt+0 (j) cfs	OUTFLOW cfs
27.00	11.38	10.51	542.76	544.05	0.65
28.00	10.51	9.63	563.34	564.65	0.66
29.00	9.63	8.76	582.14	583.48	0.67
30.00	8.76	7.88	599.15	600.53	0.69
31.00	7.88	7.01	614.32	615.79	0.74
32.00	7.01	6.13	627.65	629.20	0.77
33.00	6.13	5.25	639.17	640.79	0.81
34.00	5.25	4.38	648.88	650.56	0.84
35.00	4.38	3.50	656.80	658.52	0.86
36.00	3.50	2.63	662.92	664.68	0.88
37.00	2.63	1.75	667.27	669.05	0.89
38.00	1.75	0.88	669.85	671.65	0.90

Maximum outflow (cfs) = 0.90  
 Maximum storage (cu ft) = 20147  
 Maximum elevation (ft) = 591.95

25 Yr

RESERVOIR ROUTE

Qp = 0.9



UGU = 5.0 cfs

2

HGU = 50 min

MAX STORAGE = 20147

MAX ELEVATION = 591.95



HYDROLOGIC REPORT FOR

GLEN EAGLE GOLF COURSE

DETENTION AND LAKE DESIGN

100 YEAR/20 MIN. STORM

LAKE #12

PREPARED BY:

PICKETT RAY & SILVER, INC.

333 MID RIVERS MALL DRIVE

ST. PETERS, MO. 63376

DESIGNER: TANYA DIETZ

# HYDROLOGIC REPORT

GLEN EAGLE GOLF COURSE  
 LAKE #12.....  
 INFLOW.....

Hyd. No. 3

Hydrograph type = RATIONAL	<i>INFLOW</i> Peak discharge = 22.41 cfs
Storm frequency = 100 yr	Time interval = 1 min
Time of conc. = 20 min	Intensity = 6.17 in/hr
Runoff coeff. = .585555	Basin area = 6.2 ac

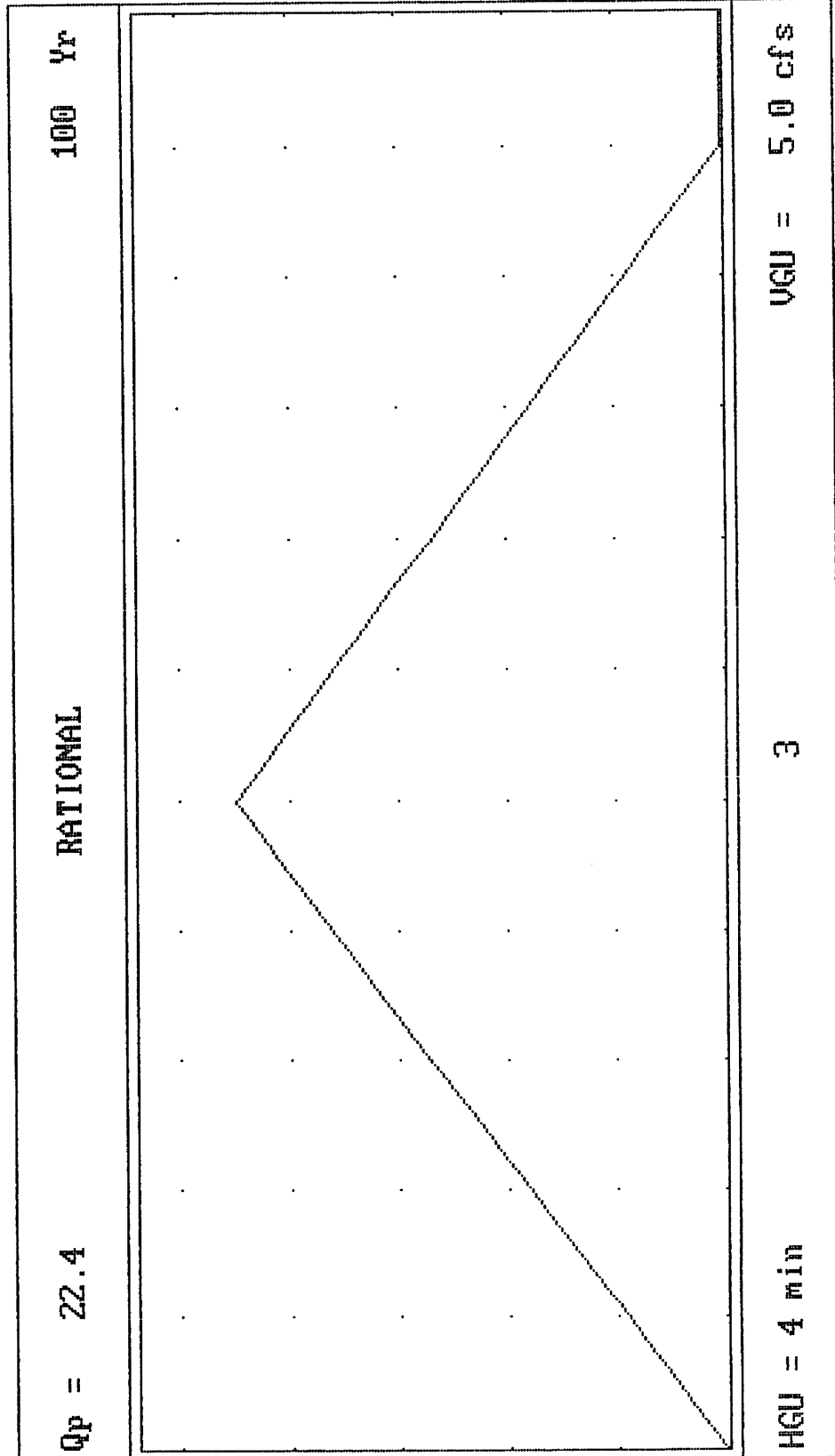
## HYDROGRAPH DISCHARGE TABLE

TIME--OUTFLOW (min      cfs)	TIME--OUTFLOW (min      cfs)	TIME--OUTFLOW (min      cfs)	TIME--OUTFLOW (min      cfs)
1.00      1.12	2.00      2.24	3.00      3.36	4.00      4.48
5.00      5.60	6.00      6.72	7.00      7.84	8.00      8.97
9.00     10.09	10.00     11.21	11.00     12.33	12.00     13.45
13.00     14.57	14.00     15.69	15.00     16.81	16.00     17.93
17.00     19.05	18.00     20.17	19.00     21.29	20.00     22.41
21.00     21.29	22.00     20.17	23.00     19.05	24.00     17.93
25.00     16.81	26.00     15.69	27.00     14.57	28.00     13.45
29.00     12.33	30.00     11.21	31.00     10.09	32.00      8.97
33.00      7.84	34.00      6.72	35.00      5.60	36.00      4.48
37.00      3.36	38.00      2.24	39.00      1.12	40.00      0.00

<b>PEAK INFLOW:</b>	
OFFSITE (RES.)	1.0 Ac. x 4.17 = 4.2 cfs
ONSITE (RES.)	2.3 Ac. x 4.17 = 9.6 cfs
ONSITE (GOLF)	2.9 Ac. x 2.95 = 8.6 cfs
<b>TOTAL</b>	<b>6.2 Acres = 22.4 cfs</b>

NOTE: Offsite areas are calculated as being developed under their current zoning classification.





$$VOL = (\text{cuft/acft}) = 26897 / 0.617$$





Reservoir No. 6

STAGE / STORAGE / DISCHARGE

LAKE #12....

Storage values were input manually

Discharge values: Culvert struct A.  $Q = .6 * A * [2gh/k]^{.5} * 1$   
 Culvert struct B.  $Q = .6 * A * [2gh/k]^{.5} * 0$   
 Weir struct A.  $Q = 3 * 0 * H^{1.5}$   
 Weir struct B.  $Q = 3 * 0 * H^{1.5}$

ELEVATION	DISCHARGE (cfs)					TOTAL
	CULVERT A		CULVERT B	WEIR A	WEIR B	
591.50	0.00		0.00	-	0.00	0.00
591.55	0.01	IC	0.00	-	0.00	0.01
591.60	0.08	IC	0.00	-	0.00	0.08
591.65	0.15	IC	0.00	-	0.00	0.15
591.70	0.18	IC	0.00	-	0.00	0.18
591.75	0.30	IC	0.00	-	0.00	0.30
591.80	0.45	IC	0.00	-	0.00	0.45
591.85	0.63	IC	0.00	-	0.00	0.63
591.90	0.68	IC	0.00	-	0.00	0.68
591.95	0.90	IC	0.00	-	0.00	0.90
592.00	1.13	IC	0.00	-	0.00	1.13

[PgDn]

[Esc] to exit

Reservoir No. 6

STAGE / STORAGE / DISCHARGE

LAKE #12....

Storage values were input manually

Discharge values: Culvert struct A.  $Q = .6 * A * [2gh/k]^{.5} * 1$   
 Culvert struct B.  $Q = .6 * A * [2gh/k]^{.5} * 0$   
 Weir struct A.  $Q = 3 * 0 * H^{1.5}$   
 Weir struct B.  $Q = 3 * 0 * H^{1.5}$

ELEVATION	DISCHARGE (cfs)					TOTAL
	CULVERT A		CULVERT B	WEIR A	WEIR B	
592.00	1.13	IC	0.00	-	0.00	1.13
592.05	1.19	IC	0.00	-	0.00	1.19
592.10	1.44	IC	0.00	-	0.00	1.44
592.15	1.49	IC	0.00	-	0.00	1.49
592.20	1.74	IC	0.00	-	0.00	1.74
592.25	1.97	IC	0.00	-	0.00	1.97
592.30	2.17	IC	0.00	-	0.00	2.17
592.35	2.24	IC	0.00	-	0.00	2.24
592.40	2.41	IC	0.00	-	0.00	2.41
592.45	2.59	IC	0.00	-	0.00	2.59
592.50	2.67	IC	0.00	-	0.00	2.67

[PgDn]

[Esc] to exit

Reservoir No. 6

STAGE / STORAGE / DISCHARGE

LAKE #12....

Storage values were input manually

Discharge values: Culvert struct A.  $Q = .6 * A * [2gh/k]^{.5} * 1$   
 Culvert struct B.  $Q = .6 * A * [2gh/k]^{.5} * 0$   
 Weir struct A.  $Q = 3 * 0 * H^{1.5}$   
 Weir struct B.  $Q = 3 * 0 * H^{1.5}$

ELEVATION	DISCHARGE (cfs)					TOTAL
	CULVERT A	CULVERT B	WEIR A	WEIR B		
592.50	2.67 IC	0.00 -	0.00	0.00	0.00	2.67
592.55	2.80 IC	0.00 -	0.00	0.00	0.00	2.80
592.60	2.93 IC	0.00 -	0.00	0.00	0.00	2.93
592.65	3.05 IC	0.00 -	0.00	0.00	0.00	3.05
592.70	3.16 IC	0.00 -	0.00	0.00	0.00	3.16
592.75	3.27 IC	0.00 -	0.00	0.00	0.00	3.27
592.80	3.38 IC	0.00 -	0.00	0.00	0.00	3.38
592.85	3.49 IC	0.00 -	0.00	0.00	0.00	3.49
592.90	3.59 IC	0.00 -	0.00	0.00	0.00	3.59
592.95	3.69 IC	0.00 -	0.00	0.00	0.00	3.69
593.00	3.78 IC	0.00 -	0.00	0.00	0.00	3.78

[PgDn]

[Esc] to exit

Reservoir No. 6

STAGE / STORAGE / DISCHARGE

LAKE #12....

Storage values were input manually

Discharge values: Culvert struct A.  $Q = .6 * A * [2gh/k]^{.5} * 1$   
 Culvert struct B.  $Q = .6 * A * [2gh/k]^{.5} * 0$   
 Weir struct A.  $Q = 3 * 0 * H^{1.5}$   
 Weir struct B.  $Q = 3 * 0 * H^{1.5}$

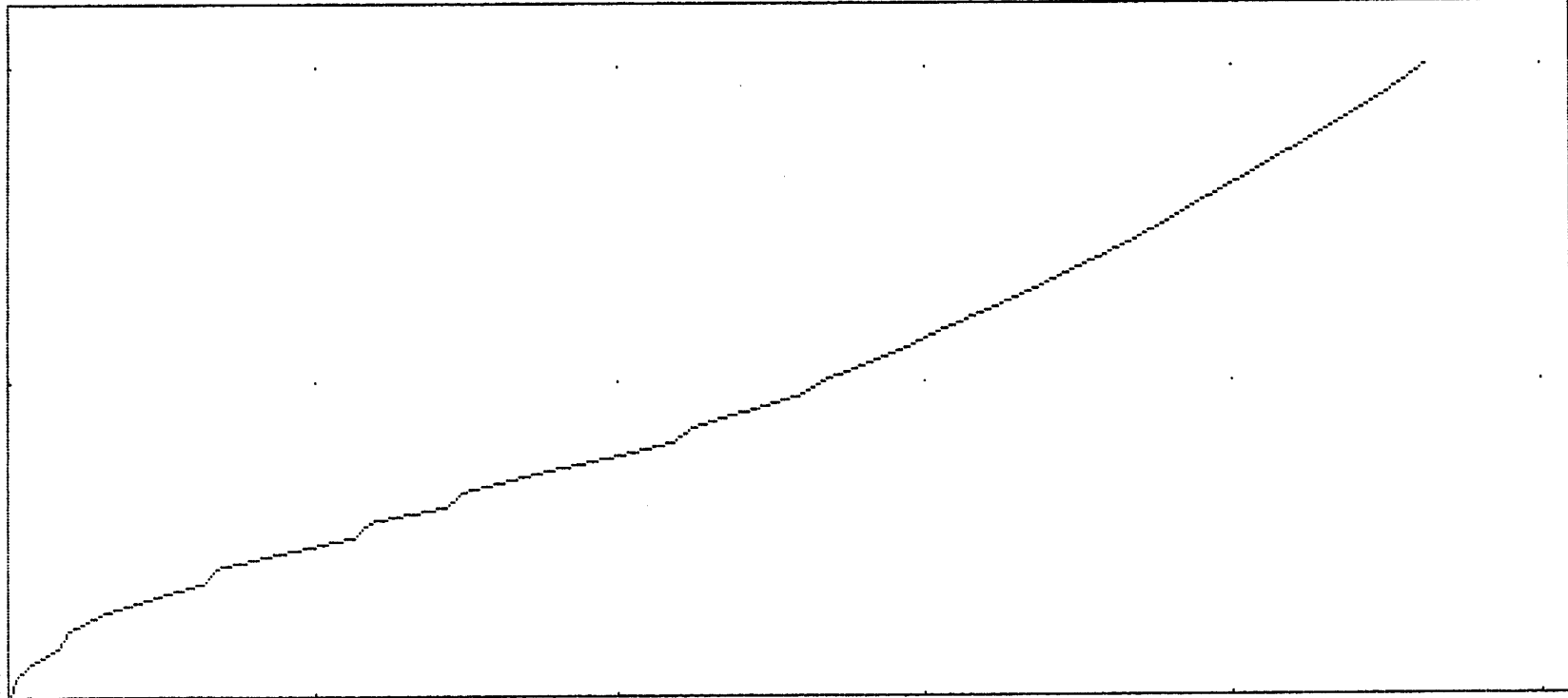
ELEVATION	DISCHARGE (cfs)					TOTAL
	CULVERT A	CULVERT B	WEIR A	WEIR B		
593.00	3.78 IC	0.00 -	0.00	0.00	0.00	3.78
593.05	3.87 IC	0.00 -	0.00	0.00	0.00	3.87
593.10	3.97 IC	0.00 -	0.00	0.00	0.00	3.97
593.15	4.05 IC	0.00 -	0.00	0.00	0.00	4.05
593.20	4.14 IC	0.00 -	0.00	0.00	0.00	4.14
593.25	4.23 IC	0.00 -	0.00	0.00	0.00	4.23
593.30	4.31 IC	0.00 -	0.00	0.00	0.00	4.31
593.35	4.39 IC	0.00 -	0.00	0.00	0.00	4.39
593.40	4.47 IC	0.00 -	0.00	0.00	0.00	4.47
593.45	4.55 IC	0.00 -	0.00	0.00	0.00	4.55
593.50	4.63 IC	0.00 -	0.00	0.00	0.00	4.63

[PgDn]

[Esc] to exit



STAGE / DISCHARGE CURVE



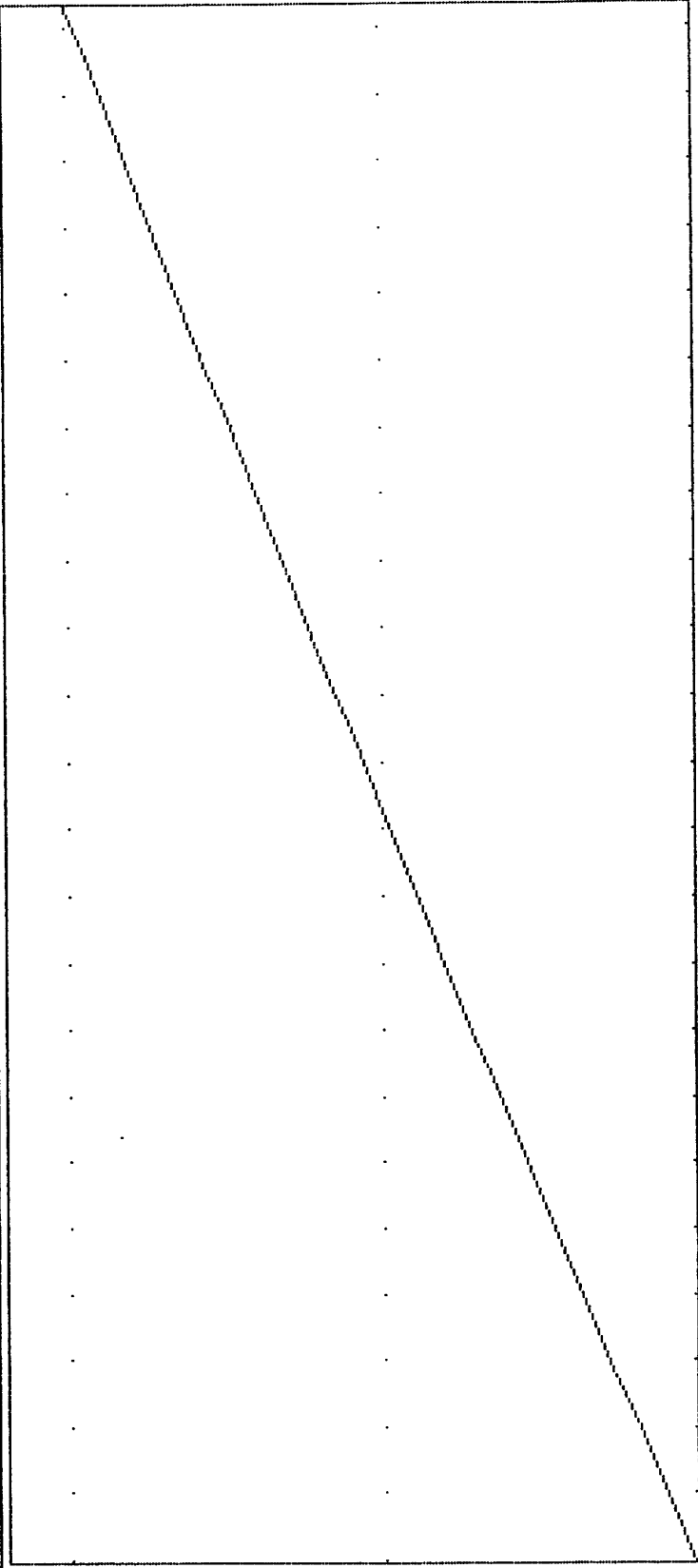
HGU = 1.0 cfs

VGU = 1.0 ft

[←] Cont

[Esc] Exit

STAGE / STORAGE CURVE



HGU = 4000 cu ft

HGU = 1.0 ft



# HYDROLOGIC REPORT

GLEN EAGLE GOLF COURSE

.....  
LAKE #12.....

Hyd. No. 4

Hydrograph type = RESERVOIR ROUTE	Peak discharge = 1.29 cfs
Storm frequency = 100 yr	Time interval = 1 min
Inflow hyd. no. = 3	Reservoir no. = 6

## HYDROGRAPH DISCHARGE TABLE

TIME min	INFLOW (i) cfs	INFLOW (j) cfs	2S/dt-0 (i) cfs	2S/dt+0 (j) cfs	OUTFLOW cfs
1.00	1.12	2.24	1.12	1.12	0.00
2.00	2.24	3.36	4.48	4.48	0.00
3.00	3.36	4.48	10.08	10.08	0.00
4.00	4.48	5.60	17.92	17.93	0.00
5.00	5.60	6.72	28.00	28.01	0.00
6.00	6.72	7.84	40.31	40.32	0.01
7.00	7.84	8.97	54.86	54.88	0.01
8.00	8.97	10.09	71.65	71.67	0.01
9.00	10.09	11.21	90.65	90.70	0.03
10.00	11.21	12.33	111.85	111.94	0.04
11.00	12.33	13.45	135.25	135.39	0.07
12.00	13.45	14.57	160.85	161.03	0.09
13.00	14.57	15.69	188.63	188.87	0.12
14.00	15.69	16.81	218.60	218.89	0.15
15.00	16.81	17.93	250.77	251.10	0.16
16.00	17.93	19.05	285.17	285.51	0.17
17.00	19.05	20.17	321.72	322.15	0.22
18.00	20.17	21.29	360.39	360.94	0.28
19.00	21.29	22.41	401.14	401.85	0.36
20.00	22.41	21.29	443.96	444.85	0.44
21.00	21.29	20.17	486.57	487.67	0.55
22.00	20.17	19.05	526.76	528.04	0.64
23.00	19.05	17.93	564.67	565.99	0.66
24.00	17.93	16.81	600.27	601.65	0.69
25.00	16.81	15.69	633.43	635.01	0.79

HYDROGRAPH DISCHARGE TABLE Cont'd

TIME min	INFLOW (i) cfs	INFLOW (j) cfs	2S/dt-0 (i) cfs	2S/dt+0 (j) cfs	OUTFLOW cfs
26.00	15.69	14.57	664.16	665.93	0.88
27.00	14.57	13.45	692.48	694.42	0.97
28.00	13.45	12.33	718.39	720.50	1.05
29.00	12.33	11.21	741.91	744.17	1.13
30.00	11.21	10.09	763.15	765.44	1.15
31.00	10.09	8.97	782.13	784.45	1.16
32.00	8.97	7.84	798.83	801.18	1.17
33.00	7.84	6.72	813.28	815.64	1.18
34.00	6.72	5.60	825.43	827.85	1.21
35.00	5.60	4.48	835.29	837.76	1.24
36.00	4.48	3.36	842.85	845.37	1.26
37.00	3.36	2.24	848.13	850.69	1.28
38.00	2.24	1.12	851.16	853.74	1.29
39.00	1.12	0.00	851.93	854.52	1.29
40.00	0.00	0.00	850.48	853.05	1.29
41.00	0.00	0.00	847.92	850.48	1.28
42.00	0.00	0.00	845.38	847.92	1.27
43.00	0.00	0.00	842.85	845.38	1.26
44.00	0.00	0.00	840.34	842.85	1.25
45.00	0.00	0.00	837.85	840.34	1.25
46.00	0.00	0.00	835.37	837.85	1.24
47.00	0.00	0.00	832.91	835.37	1.23
48.00	0.00	0.00	830.47	832.91	1.22
49.00	0.00	0.00	828.04	830.47	1.21
50.00	0.00	0.00	825.62	828.04	1.21
51.00	0.00	0.00	823.22	825.62	1.20
52.00	0.00	0.00	820.84	823.22	1.19
53.00	0.00	0.00	818.47	820.84	1.19
54.00	0.00	0.00	816.10	818.47	1.18
55.00	0.00	0.00	813.73	816.10	1.18
56.00	0.00	0.00	811.37	813.73	1.18
57.00	0.00	0.00	809.01	811.37	1.18
58.00	0.00	0.00	806.66	809.01	1.18
59.00	0.00	0.00	804.30	806.66	1.18
60.00	0.00	0.00	801.95	804.30	1.17
61.00	0.00	0.00	799.61	801.95	1.17
62.00	0.00	0.00	797.27	799.61	1.17
63.00	0.00	0.00	794.93	797.27	1.17
64.00	0.00	0.00	792.59	794.93	1.17
65.00	0.00	0.00	790.26	792.59	1.17
66.00	0.00	0.00	787.93	790.26	1.16
67.00	0.00	0.00	785.61	787.93	1.16

HYDROGRAPH DISCHARGE TABLE Cont'd

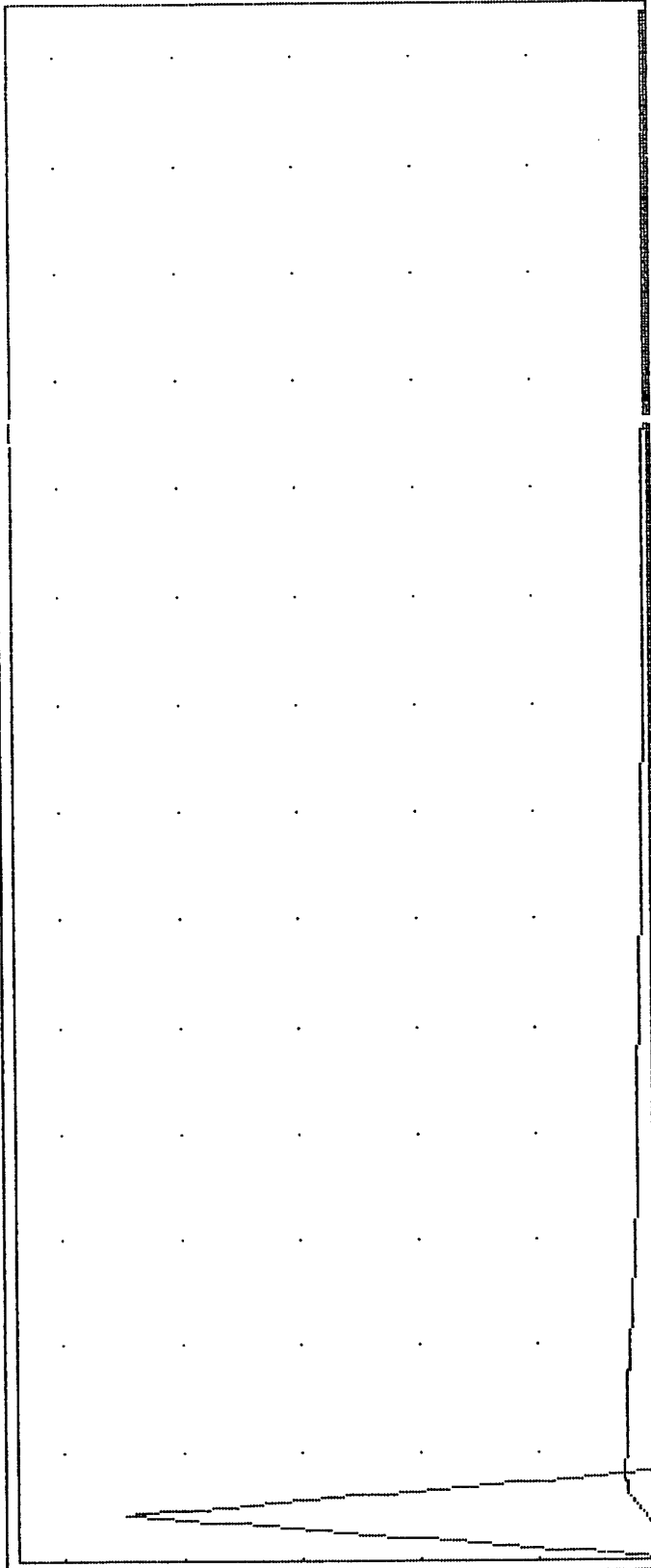
TIME min	INFLOW (i) cfs	INFLOW (j) cfs	2S/dt-0 (i) cfs	2S/dt+0 (j) cfs	OUTFLOW cfs
68.00	0.00	0.00	783.28	785.61	1.16
69.00	0.00	0.00	780.97	783.28	1.16
70.00	0.00	0.00	778.65	780.97	1.16
71.00	0.00	0.00	776.34	778.65	1.16
72.00	0.00	0.00	774.03	776.34	1.15
73.00	0.00	0.00	771.73	774.03	1.15
74.00	0.00	0.00	769.42	771.73	1.15
75.00	0.00	0.00	767.12	769.42	1.15
76.00	0.00	0.00	764.83	767.12	1.15
77.00	0.00	0.00	762.54	764.83	1.15
78.00	0.00	0.00	760.25	762.54	1.14
79.00	0.00	0.00	757.96	760.25	1.14
80.00	0.00	0.00	755.68	757.96	1.14
81.00	0.00	0.00	753.40	755.68	1.14
82.00	0.00	0.00	751.13	753.40	1.14
83.00	0.00	0.00	748.85	751.13	1.14
84.00	0.00	0.00	746.59	748.85	1.13
85.00	0.00	0.00	744.32	746.59	1.13
86.00	0.00	0.00	742.06	744.32	1.13
87.00	0.00	0.00	739.82	742.06	1.12
88.00	0.00	0.00	737.59	739.82	1.11
89.00	0.00	0.00	735.37	737.59	1.11
90.00	0.00	0.00	733.17	735.37	1.10
91.00	0.00	0.00	730.99	733.17	1.09
92.00	0.00	0.00	728.81	730.99	1.09
93.00	0.00	0.00	726.65	728.81	1.08
94.00	0.00	0.00	724.51	726.65	1.07
95.00	0.00	0.00	722.38	724.51	1.07
96.00	0.00	0.00	720.26	722.38	1.06
97.00	0.00	0.00	718.15	720.26	1.05
98.00	0.00	0.00	716.06	718.15	1.05
99.00	0.00	0.00	713.98	716.06	1.04
100.00	0.00	0.00	711.91	713.98	1.03
101.00	0.00	0.00	709.86	711.91	1.03
102.00	0.00	0.00	707.82	709.86	1.02
103.00	0.00	0.00	705.79	707.82	1.01
104.00	0.00	0.00	703.78	705.79	1.01
105.00	0.00	0.00	701.78	703.78	1.00

Maximum outflow (cfs) = 1.29  
 Maximum storage (cu ft) = 25597  
 Maximum elevation (ft) = 592.07

100 Yr

RESERVOIR ROUTE

Qp = 1.3



UGU = 5.0 cfs

4

HGU = 50 min

MAX STORAGE = 25597

MAX ELEVATION = 592.07

