

THE **STERLING** CO.

BRIARCHASE

DETENTION REPORT

Prepared For:
McBRIDE & SON HOMES, INC.
#1 McBride & Son Center Dr.
St. Louis, Missouri 63005
(636) 537-2000

Prepared By:
THE STERLING COMPANY
5055 New Baumgartner Road
St. Louis, Missouri 63129
(314) 487-0440

Sterling Project No.: 02-03-043

Date:
November 11, 2002

Revised March 11, 2003
Revised June 18, 2003

*Spec A2. OK
Review for
will send
CAC on
2 rem
see volume
A Johnson
7/9/03*

John Alexander


**BRIARCHASE
DETENTION ANALYSIS
02-03-043**

Site Acreage = 38.47 Acres
 Design Storms = 2, 15, 25, 100 Years
 Design Period = 20 Minutes

Return		(Residential)	(Lake)	(Res.)	(Lake)
Frequency	Existing	Proposed	Proposed	Differential	Differential
<u>(Years)</u>	<u>P.I. (5%)</u>	<u>P.I.</u>	<u>P.I.</u>	<u>Runoff</u>	<u>Runoff</u>
2	1.15	1.84	2.39	0.69	1.24
15	1.87	3.00	3.85	1.13	1.98
25	2.31	3.70	4.75	1.39	2.44
100	2.95	4.75	6.08	1.80	3.13

Retention Basin #1 Analysis:

3.98 Acres (Residential) in Basin #1 Watershed
 0.36 Acres (Lake surface) in Basin #1 Watershed
 4.92 Acres tributary to Basin #1

Detention required for Basin #1 watershed

Return		Total
<u>Frequency</u>		<u>Required</u>
2 Year	= 3.98 Ac. (0.69) + 0.36 Ac. (1.24)	3.19 cfs
15 Year	= 3.98 Ac. (1.13) + 0.36 Ac. (1.98)	5.21 cfs
25 Year	= 3.98 Ac. (1.39) + 0.36 Ac. (2.44)	6.41 cfs
100 Year	= 3.98 Ac. (1.80) + 0.36 Ac. (3.13)	8.29 cfs

Direct runoff tributary to Basin #1

Return	Total
<u>Frequency</u>	<u>Tributary</u>
2 Year = 4.11 Ac. (1.84) + 0.45 Ac. (1.15) + 0.36 Ac. + (2.39)=	8.94 cfs
15 Year = 4.11 Ac. (3.00) + 0.45 Ac. (1.87) + 0.36 Ac. + (3.85)=	14.56 cfs
25 Year = 4.11 Ac. (3.70) + 0.45 Ac. (2.31) + 0.36 Ac. + (4.75)=	17.96 cfs
100 Year = 4.11 Ac. (4.75) + 0.45 Ac. (2.95) + 0.36 Ac. + (6.08)=	23.04 cfs

Total Designed Detention for Basin #1:

Return	Total
<u>Frequency (Inflow – Outflow)</u>	<u>Designed</u>
2 Year = (8.94 cfs – 0.44 cfs) =	8.50 cfs
15 Year = (14.56 cfs – 0.83 cfs) =	13.73 cfs
25 Year = (17.96 cfs – 1.16 cfs) =	16.80 cfs
100 Year = (23.04 cfs – 1.63 cfs) =	21.41 cfs
Freeboard (Top of Dam elev. – 100 yr. 20 min. blocked low flow elev.)	
Basin #1 = 639.00 – 637.62 =	1.38 ft.

Detention Basin #2 Analysis:

- 4.84 Acres (Residential) in Basin #2 Watershed
- 0.51 Acres (Lake surface) in Basin #2 Watershed
- 8.34 Acres tributary to Basin #2

Detention required for Basin #2 watershed

Return	Total
<u>Frequency</u>	<u>Required</u>
2 Year = 10.43 Ac. (0.69) + 0.51 Ac. (1.24) =	7.83 cfs
15 Year = 10.43 Ac. (1.13) + 0.51 Ac. (1.98) =	12.79 cfs
25 Year = 10.43 Ac. (1.39) + 0.51 Ac. (2.44) =	15.74 cfs
100 Year = 10.43 Ac. (1.80) + 0.51 Ac. (3.13) =	20.37 cfs

Direct runoff tributary to Basin #2

Return	Total
<u>Frequency</u>	<u>Tributary</u>
2 Year = 7.12 Ac. (1.84) + 0.71 Ac. (1.15) + 0.51 Ac. + (2.39)=	15.14 cfs
15 Year = 7.12 Ac. (3.00) + 0.71 Ac. (1.87) + 0.51 Ac. + (3.85)=	24.65 cfs
25 Year = 7.12 Ac. (3.70) + 0.71 Ac. (2.31) + 0.51 Ac. + (4.75)=	30.41 cfs
100 Year = 7.12 Ac. (4.75) + 0.71 Ac. (2.95) + 0.51 Ac. + (6.08)=	39.02 cfs

Total Designed Detention for Basin #2:

Return	Total
<u>Frequency (Inflow – Outflow)</u>	<u>Designed</u>
2 Year = (15.14 cfs – 3.99 cfs) =	11.15 cfs ✓
15 Year = (24.65 cfs – 5.13 cfs) =	19.52 cfs ✓
25 Year = (30.41 cfs – 5.72 cfs) =	24.69 cfs ✓
100 Year = (39.02 cfs – 7.06 cfs) =	31.96 cfs ✓

Freeboard (Top of Dam elev. – 100 yr. 20 min. blocked low flow elev.)

Basin #2 = 619.00 – 617.87 = 1.13 ft.

Detention Basin #3 Analysis:

18.04 Acres (Residential) in Basin #3 Watershed

1.18 Acres (Lake surface) in Basin #3 Watershed

20.51 Acres tributary to Basin #3

Detention required for Basin #3 watershed

Return	Total
<u>Frequency</u>	<u>Required</u>
2 Year = 18.47 Ac. (0.69) + 1.18 Ac. (1.24) =	14.21 cfs
15 Year = 18.47 Ac. (1.13) + 1.18 Ac. (1.98) =	23.21 cfs
25 Year = 18.47 Ac. (1.39) + 1.18 Ac. (2.44) =	28.55 cfs
100 Year = 18.47 Ac. (1.80) + 1.18 Ac. (3.13) =	36.94 cfs

Direct runoff tributary to Basin #3

Return	Total
<u>Frequency</u>	<u>Tributary</u>
2 Year = 18.60 Ac. (1.84) + 0.73 Ac. (1.15) + 1.18 Ac. + (2.39)=	37.88 cfs
15 Year = 18.60 Ac. (3.00) + 0.73 Ac. (1.87) + 1.18 Ac. + (3.85)=	61.71 cfs
25 Year = 18.60 Ac. (3.70) + 0.73 Ac. (2.31) + 1.18 Ac. + (4.75)=	76.11 cfs
100 Year = 18.60 Ac. (4.75) + 0.73 Ac. (2.95) + 1.18 Ac. + (6.08)=	97.68 cfs

Total Designed Detention for Basin #3:

Return	Total
<u>Frequency (Inflow – Outflow)</u>	<u>Designed</u>
2 Year = (37.88 cfs – 0.65cfs) =	37.23 cfs
15 Year = (61.71 cfs – 1.34 cfs) =	60.37 cfs
25 Year = (76.11 cfs – 1.79 cfs) =	74.32 cfs
100 Year = (97.68 cfs – 10.85 cfs) =	86.83 cfs

Freeboard (Top of Dam elev. – 100 yr. 20 min. blocked low flow elev.)

Basin #3 = 621.00 – 619.80 = 1.20 ft.

Conclusion:

Total Combined Detention Required and Designed:

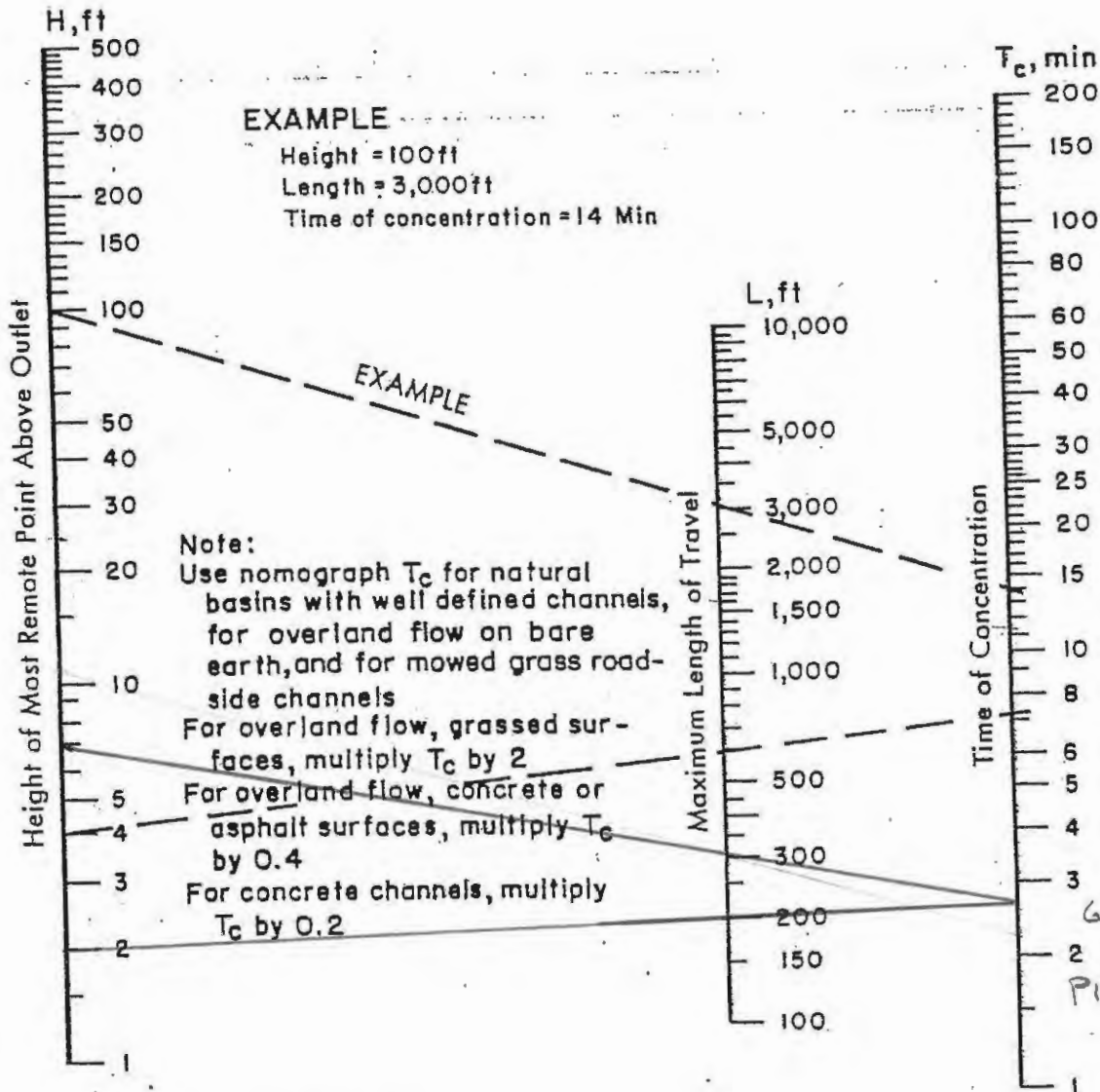
Return	Total	Total
<u>Frequency</u>	<u>Required</u>	<u>Designed</u>
2 Year = (3.19 cfs + 7.83cfs + 14.21) =	25.23 cfs	56.88 cfs
15 Year = (5.21 cfs + 12.79cfs + 23.21)=	41.21 cfs	93.62 cfs
25 Year = (6.41 cfs + 15.74cfs + 28.55)=	50.70 cfs	115.81 cfs
100 Year = (8.29 cfs + 20.37cfs + 36.94)=	65.60 cfs	140.20 cfs

BRIARCHASE BASIN #1

THE STERLING COMPANY
5055 NEW BAUMGARTNER RD.
ST. LOUIS, MO 63129

(314) 487-0440
Fax (314) 487-8944

Project: TIME OF CONCENTRATION SHEET 1 of 3
Date: 11-1-02 Project No: 02-02-034
Designed: D.M. Checked: _____



Based on study by P. Z. Kirpich,
Civil Engineering, Vol. 10, No. 6, June 1940, p. 362

OVERLAND FLOW : 200' GRASS, 2' DIFF $T_c = 5.60$
PIPE FLOW : 300' PIPE, 7' DIFF $T_c = 1.12$

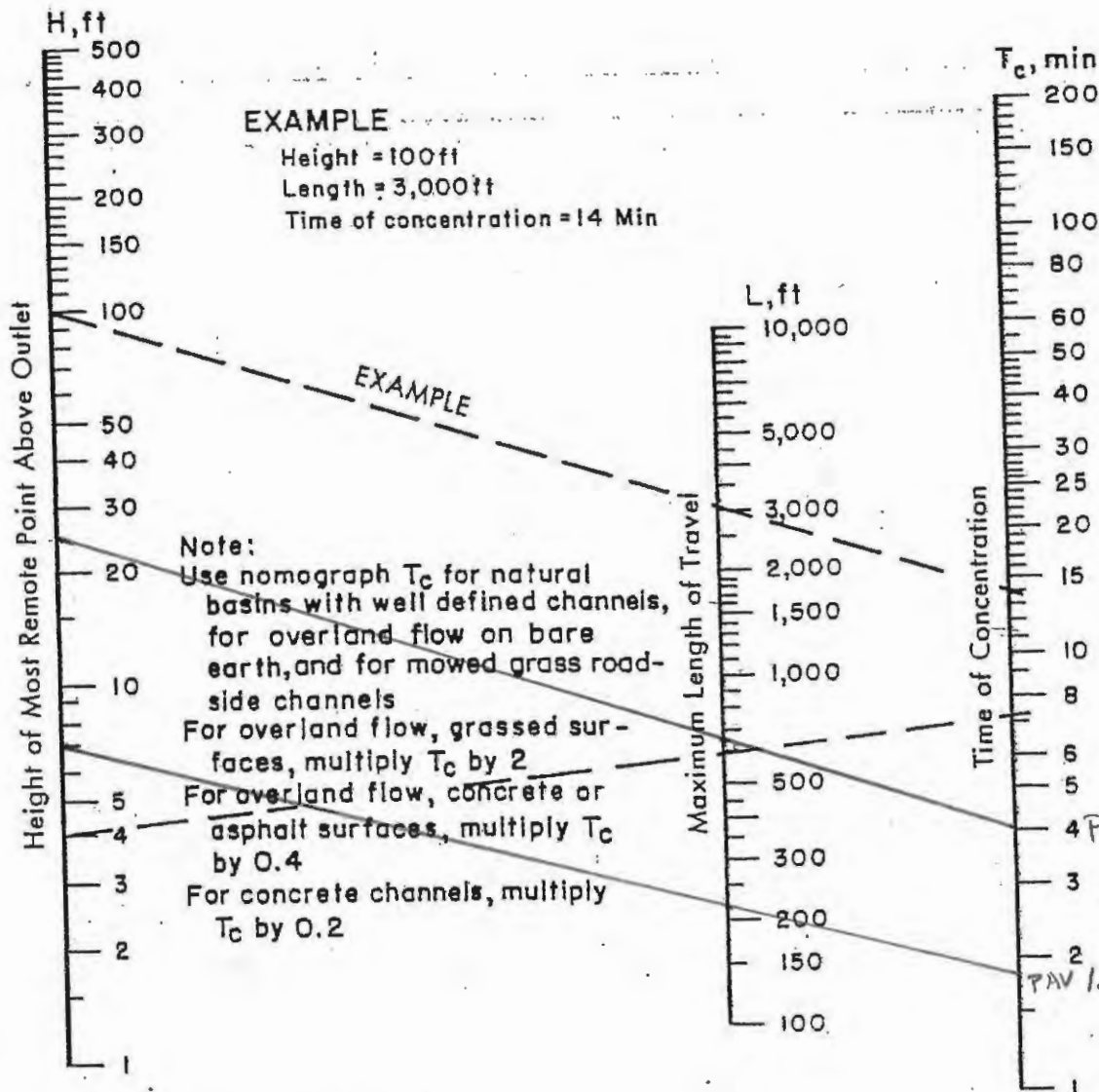
6.72
USE 7.0

BRIAR CHASE BASIN #2

THE STERLING COMPANY
5055 NEW BAUMGARTNER RD.
ST. LOUIS, MO 63129

(314) 487-0440
Fax (314) 487-8944

Project: TIME OF CONCENTRATION SHEET 2 of 3
Date: 11-11-02 Project No: 02-03-034
Designed: D. P. Checked: _____



Based on study by P. Z. Kirpich,
Civil Engineering, Vol. 10, No. 6, June 1940, p. 362

OVERLAND FLOW : 50' GRASS, 1' DIFF $T_c = 0.00$
OVERLAND FLOW : 220' PAV, 7' DIFF $T_c = 0.72$
PIPE FLOW : 665' PIPE, 25' DIFF $T_c = 1.60$

2.32

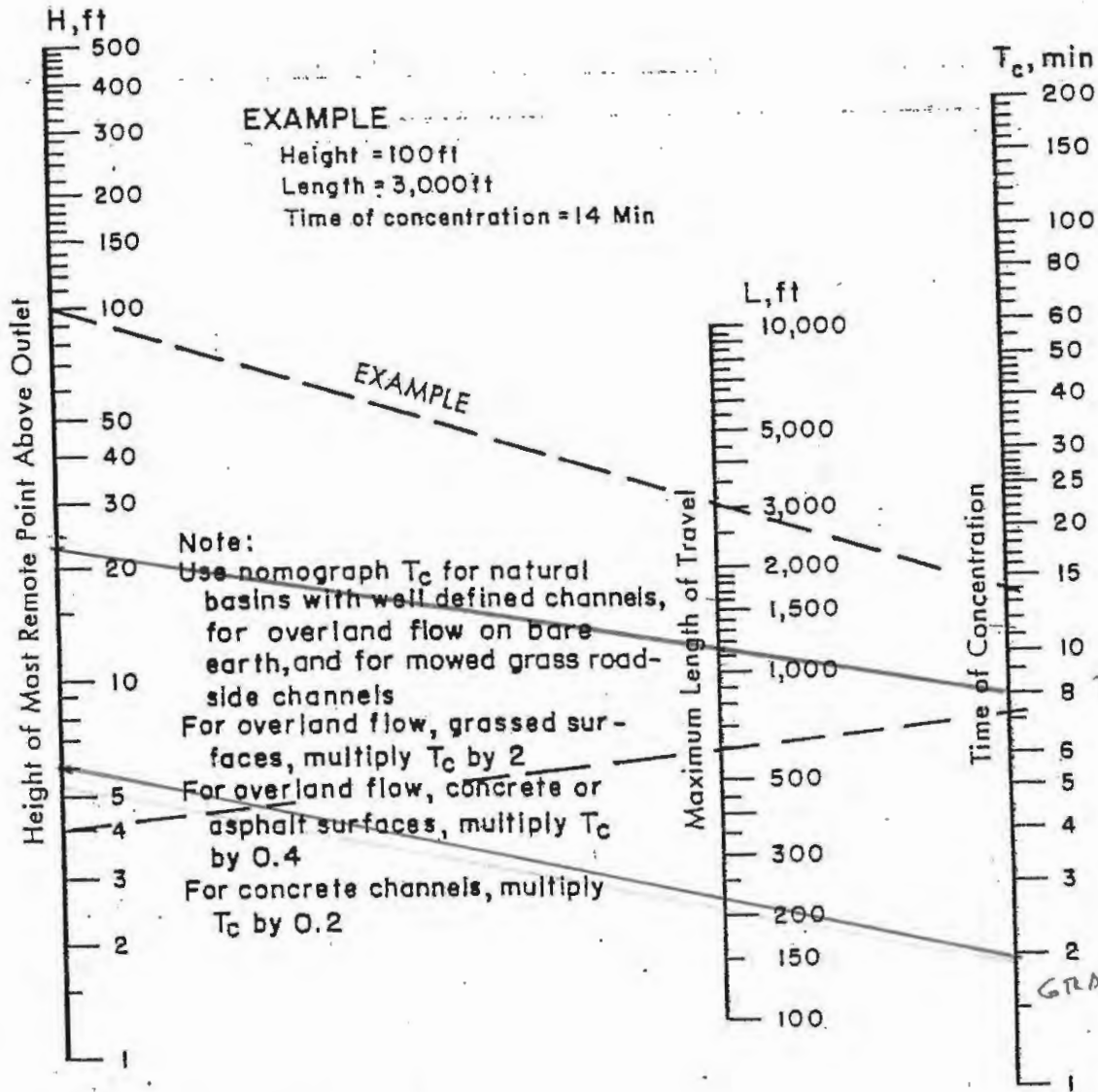
USE 3.0

BRIARCHASE BASIN #3

THE STERLING COMPANY
5055 NEW BAUMGARTNER RD.
ST. LOUIS, MO 63129

(314) 487-0440
Fax (314) 487-8944

Project: TIME OF CONCENTRATION SHEET 3 of 3
Date: 11-11-02 Project No: 02-03-034
Designed: D. M. Checked: _____



Based on study by P. Z. Kirpich,
Civil Engineering, Vol. 10, No. 6, June 1940, p. 362

OVERLAND FLOW: 210' GRASS, 6' DIFF $T_c = 3.90$
PIPE FLOW 1100' PIPE 23' DIFF $T_c = 3.20$

7.00

USE 7.0

POND-2 Version: 5.17
 S/N: 1903000008

BRIARCHASE
 DETENTION BASIN #1

CALCULATED 11-11-2002 11:29:03
 DISK FILE: J:\data\0203043\BASIN1 .VOL

Planimeter scale: 1 inch = 1 ft.

Elevation (ft)	Planimeter (sq.in.)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	* Volume (cubic-ft)	Volume Sum (cubic-ft)
635.00	15,511.00	15,511	0	0	0
636.00	17,376.00	17,376	49,304	16,435	16,435
637.00	19,349.00	19,349	55,061	18,354	34,788
638.00	21,356.00	21,356	61,033	20,344	55,133
639.00	23,419.00	23,419	67,139	22,380	77,512

$$IA = (\text{sq.rt}(\text{Area1}) + ((E_i - E_1) / (E_2 - E_1)) * (\text{sq.rt}(\text{Area2}) - \text{sq.rt}(\text{Area1})))^2$$

where: E1, E2 = Closest two elevations with planimeter data
 Ei = Elevation at which to interpolate area
 Area1, Area2 = Areas computed for E1, E2, respectively
 IA = Interpolated area for Ei

* Incremental volume computed by the Conic Method for Reservoir Volumes.

$$\text{Volume} = (1/3) * (EL2 - EL1) * (\text{Area1} + \text{Area2} + \text{sq.rt.}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
 Area1, Area2 = Areas computed for EL1, EL2, respectively
 Volume = Incremental volume between EL1 and EL2

Outlet Structure File: BASIN1 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRAIRCHASE, 02-03-043
DETENTION BASIN #1
OVERFLOW STRUCTURE
11/11/02

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
635.00	0.0	1
635.20	0.1	1
635.40	0.2	1
635.60	0.4	1
635.80	0.6	1
636.00	0.8	1
636.20	1.1	1
636.40	1.4	1
636.60	1.7	1
636.80	2.0	1
637.00	2.3	1 +3
637.20	6.1	1 +3
637.40	12.6	1 +3
637.60	19.8	2 +4
637.80	24.1	2 +4
638.00	27.8	2 +4
638.20	31.0	2 +4
638.40	33.9	2 +4
638.60	36.6	2 +4
638.80	39.0	2 +4
639.00	41.4	2 +4

Outlet Structure File: BASIN1 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRAIRCHASE, 02-03-043
DETENTION BASIN #1
OVERFLOW STRUCTURE
11/11/02

Outlet Structure File: J:\data\0203043\BASIN1 .STR
Planimeter Input File: J:\data\0203043\BASIN1 .VOL
Rating Table Output File: J:\data\0203043\BASIN1 .PND

Min. Elev.(ft) = 635 Max. Elev.(ft) = 639 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
WEIR-VR	1	->	1
ORIFICE	2	->	2
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
J:\data\0203043\BASIN1 .PND

Outlet Structure File: BASIN1 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRAIRCHASE, 02-03-043
DETENTION BASIN #1
OVERFLOW STRUCTURE
11/11/02

>>>>> Structure No. 1 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev. (ft)?	635
E2 elev. (ft)?	637.5
Weir coefficient?	3.3
Weir elev. (ft)?	635
Length (ft)?	.25
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN1 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRAIRCHASE, 02-03-043
DETENTION BASIN #1
OVERFLOW STRUCTURE
11/11/02

>>>>> Structure No. 2 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	637.5
E2 elev.(ft)?	639.001
Orifice coeff.?	.6
Invert elev.(ft)?	635
Datum elev.(ft) ?	636.25
Orifice area (sq ft)?	.625

Outlet Structure File: BASIN1 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

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*****  
BRAIRCHASE, 02-03-043  
DETENTION BASIN #1  
OVERFLOW STRUCTURE  
11/11/02  
*****
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>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev. (ft)?	637
E2 elev. (ft)?	637.5
Weir coefficient?	3.3
Weir elev. (ft)?	637
Length (ft)?	11.42
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN1 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRAIRCHASE, 02-03-043
DETENTION BASIN #1
OVERFLOW STRUCTURE
11/11/02

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	637.5
E2 elev.(ft)?	639.001
Orifice coeff.?	.6
Invert elev.(ft)?	637
Datum elev.(ft) ?	637.25
Orifice area (sq ft)?	5.71

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*****
*
*      BRIARCHASE
*  DETENTION BASIN #1
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*
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Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Rating Table file: J:\data\0203043\BASIN1 .PND

----INITIAL CONDITIONS----

Elevation = 635.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
635.00	0.0	0	0.0	0.0
635.20	0.1	3,139	10.5	10.6
635.40	0.2	6,351	21.2	21.4
635.60	0.4	9,636	32.1	32.5
635.80	0.6	12,997	43.3	43.9
636.00	0.8	16,435	54.8	55.6
636.20	1.1	19,949	66.5	67.6
636.40	1.4	23,540	78.5	79.9
636.60	1.7	27,209	90.7	92.4
636.80	2.0	30,959	103.2	105.2
637.00	2.3	34,788	116.0	118.3
637.20	6.1	38,698	129.0	135.1
637.40	12.6	42,686	142.3	154.9
637.60	19.8	46,753	155.8	175.6
637.80	24.1	50,902	169.7	193.8
638.00	27.8	55,133	183.8	211.6
638.20	31.0	59,445	198.1	229.1
638.40	33.9	63,838	212.8	246.7
638.60	36.6	68,312	227.7	264.3
638.80	39.0	72,870	242.9	281.9
639.00	41.4	77,512	258.4	299.8

Time increment (t) = 10.0 min.

ond File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	635.00
10.0	8.94	8.9	8.8	8.9	0.08	635.17
20.0	8.94	17.9	26.1	26.7	0.29	635.49
30.0	0.00	8.9	34.1	35.0	0.44	635.64
40.0	0.00	0.0	33.3	34.1	0.43	635.63
50.0	0.00	0.0	32.4	33.3	0.41	635.61
60.0	0.00	0.0	31.6	32.4	0.40	635.60
70.0	0.00	0.0	30.9	31.6	0.38	635.58
80.0	0.00	0.0	30.1	30.9	0.37	635.57
90.0	0.00	0.0	29.4	30.1	0.36	635.56
100.0	0.00	0.0	28.7	29.4	0.34	635.54
110.0	0.00	0.0	28.1	28.7	0.33	635.53
120.0	0.00	0.0	27.4	28.1	0.32	635.52
130.0	0.00	0.0	26.8	27.4	0.31	635.51
140.0	0.00	0.0	26.2	26.8	0.30	635.50
150.0	0.00	0.0	25.6	26.2	0.29	635.49
160.0	0.00	0.0	25.1	25.6	0.28	635.48
170.0	0.00	0.0	24.5	25.1	0.27	635.47
180.0	0.00	0.0	24.0	24.5	0.26	635.46
190.0	0.00	0.0	23.5	24.0	0.25	635.45
200.0	0.00	0.0	23.1	23.5	0.24	635.44
210.0	0.00	0.0	22.6	23.1	0.23	635.43
220.0	0.00	0.0	22.2	22.6	0.22	635.42
230.0	0.00	0.0	21.7	22.2	0.21	635.41
240.0	0.00	0.0	21.3	21.7	0.21	635.41
250.0	0.00	0.0	20.9	21.3	0.20	635.40
260.0	0.00	0.0	20.5	20.9	0.20	635.39
270.0	0.00	0.0	20.1	20.5	0.19	635.38
280.0	0.00	0.0	19.8	20.1	0.19	635.38
290.0	0.00	0.0	19.4	19.8	0.19	635.37
300.0	0.00	0.0	19.0	19.4	0.18	635.36
310.0	0.00	0.0	18.7	19.0	0.18	635.36
320.0	0.00	0.0	18.3	18.7	0.18	635.35
330.0	0.00	0.0	18.0	18.3	0.17	635.34
340.0	0.00	0.0	17.6	18.0	0.17	635.34
350.0	0.00	0.0	17.3	17.6	0.17	635.33
360.0	0.00	0.0	17.0	17.3	0.16	635.32
370.0	0.00	0.0	16.7	17.0	0.16	635.32
380.0	0.00	0.0	16.4	16.7	0.16	635.31
390.0	0.00	0.0	16.0	16.4	0.15	635.31
400.0	0.00	0.0	15.7	16.0	0.15	635.30
410.0	0.00	0.0	15.4	15.7	0.15	635.30
420.0	0.00	0.0	15.2	15.4	0.15	635.29
430.0	0.00	0.0	14.9	15.2	0.14	635.29
440.0	0.00	0.0	14.6	14.9	0.14	635.28

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	14.3	14.6	0.14	635.27
460.0	0.00	0.0	14.1	14.3	0.13	635.27
470.0	0.00	0.0	13.8	14.1	0.13	635.26
480.0	0.00	0.0	13.5	13.8	0.13	635.26
490.0	0.00	0.0	13.3	13.5	0.13	635.25
500.0	0.00	0.0	13.0	13.3	0.13	635.25
510.0	0.00	0.0	12.8	13.0	0.12	635.25
520.0	0.00	0.0	12.5	12.8	0.12	635.24
530.0	0.00	0.0	12.3	12.5	0.12	635.24
540.0	0.00	0.0	12.1	12.3	0.12	635.23
550.0	0.00	0.0	11.8	12.1	0.11	635.23
560.0	0.00	0.0	11.6	11.8	0.11	635.22
570.0	0.00	0.0	11.4	11.6	0.11	635.22
580.0	0.00	0.0	11.2	11.4	0.11	635.22
590.0	0.00	0.0	11.0	11.2	0.11	635.21
600.0	0.00	0.0	10.8	11.0	0.10	635.21
610.0	0.00	0.0	10.6	10.8	0.10	635.20
620.0	0.00	0.0	10.4	10.6	0.10	635.20
630.0	0.00	0.0	10.2	10.4	0.10	635.20
640.0	0.00	0.0	10.0	10.2	0.10	635.19
650.0	0.00	0.0	9.8	10.0	0.09	635.19
660.0	0.00	0.0	9.6	9.8	0.09	635.19
670.0	0.00	0.0	9.4	9.6	0.09	635.18
680.0	0.00	0.0	9.2	9.4	0.09	635.18
690.0	0.00	0.0	9.1	9.2	0.09	635.17
700.0	0.00	0.0	8.9	9.1	0.09	635.17
710.0	0.00	0.0	8.7	8.9	0.08	635.17
720.0	0.00	0.0	8.6	8.7	0.08	635.17
730.0	0.00	0.0	8.4	8.6	0.08	635.16
740.0	0.00	0.0	8.2	8.4	0.08	635.16
750.0	0.00	0.0	8.1	8.2	0.08	635.16
760.0	0.00	0.0	7.9	8.1	0.08	635.15
770.0	0.00	0.0	7.8	7.9	0.08	635.15
780.0	0.00	0.0	7.6	7.8	0.07	635.15
790.0	0.00	0.0	7.5	7.6	0.07	635.14
800.0	0.00	0.0	7.3	7.5	0.07	635.14
810.0	0.00	0.0	7.2	7.3	0.07	635.14
820.0	0.00	0.0	7.1	7.2	0.07	635.14
830.0	0.00	0.0	6.9	7.1	0.07	635.13
840.0	0.00	0.0	6.8	6.9	0.07	635.13
850.0	0.00	0.0	6.7	6.8	0.06	635.13
860.0	0.00	0.0	6.5	6.7	0.06	635.13
870.0	0.00	0.0	6.4	6.5	0.06	635.12
880.0	0.00	0.0	6.3	6.4	0.06	635.12
890.0	0.00	0.0	6.2	6.3	0.06	635.12
900.0	0.00	0.0	6.1	6.2	0.06	635.12

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	5.9	6.1	0.06	635.11
920.0	0.00	0.0	5.8	5.9	0.06	635.11
930.0	0.00	0.0	5.7	5.8	0.06	635.11
940.0	0.00	0.0	5.6	5.7	0.05	635.11
950.0	0.00	0.0	5.5	5.6	0.05	635.11
960.0	0.00	0.0	5.4	5.5	0.05	635.10
970.0	0.00	0.0	5.3	5.4	0.05	635.10
980.0	0.00	0.0	5.2	5.3	0.05	635.10
990.0	0.00	0.0	5.1	5.2	0.05	635.10
1000.0	0.00	0.0	5.0	5.1	0.05	635.10
1010.0	0.00	0.0	4.9	5.0	0.05	635.09
1020.0	0.00	0.0	4.8	4.9	0.05	635.09
1030.0	0.00	0.0	4.7	4.8	0.05	635.09
1040.0	0.00	0.0	4.6	4.7	0.04	635.09
1050.0	0.00	0.0	4.6	4.6	0.04	635.09
1060.0	0.00	0.0	4.5	4.6	0.04	635.09
1070.0	0.00	0.0	4.4	4.5	0.04	635.08
1080.0	0.00	0.0	4.3	4.4	0.04	635.08
1090.0	0.00	0.0	4.2	4.3	0.04	635.08
1100.0	0.00	0.0	4.1	4.2	0.04	635.08
1110.0	0.00	0.0	4.1	4.1	0.04	635.08
1120.0	0.00	0.0	4.0	4.1	0.04	635.08
1130.0	0.00	0.0	3.9	4.0	0.04	635.08
1140.0	0.00	0.0	3.8	3.9	0.04	635.07
1150.0	0.00	0.0	3.8	3.8	0.04	635.07
1160.0	0.00	0.0	3.7	3.8	0.04	635.07
1170.0	0.00	0.0	3.6	3.7	0.03	635.07
1180.0	0.00	0.0	3.6	3.6	0.03	635.07
1190.0	0.00	0.0	3.5	3.6	0.03	635.07
1200.0	0.00	0.0	3.4	3.5	0.03	635.07
1210.0	0.00	0.0	3.4	3.4	0.03	635.06
1220.0	0.00	0.0	3.3	3.4	0.03	635.06
1230.0	0.00	0.0	3.2	3.3	0.03	635.06
1240.0	0.00	0.0	3.2	3.2	0.03	635.06
1250.0	0.00	0.0	3.1	3.2	0.03	635.06
1260.0	0.00	0.0	3.0	3.1	0.03	635.06
1270.0	0.00	0.0	3.0	3.0	0.03	635.06
1280.0	0.00	0.0	2.9	3.0	0.03	635.06
1290.0	0.00	0.0	2.9	2.9	0.03	635.06
1300.0	0.00	0.0	2.8	2.9	0.03	635.05
1310.0	0.00	0.0	2.8	2.8	0.03	635.05
1320.0	0.00	0.0	2.7	2.8	0.03	635.05
1330.0	0.00	0.0	2.7	2.7	0.03	635.05
1340.0	0.00	0.0	2.6	2.7	0.03	635.05
1350.0	0.00	0.0	2.6	2.6	0.02	635.05
1360.0	0.00	0.0	2.5	2.6	0.02	635.05

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	2.5	2.5	0.02	635.05
1380.0	0.00	0.0	2.4	2.5	0.02	635.05
1390.0	0.00	0.0	2.4	2.4	0.02	635.05
1400.0	0.00	0.0	2.3	2.4	0.02	635.05
1410.0	0.00	0.0	2.3	2.3	0.02	635.04
1420.0	0.00	0.0	2.2	2.3	0.02	635.04
1430.0	0.00	0.0	2.2	2.2	0.02	635.04
1440.0	0.00	0.0	2.2	2.2	0.02	635.04
1450.0	0.00	0.0	2.1	2.2	0.02	635.04
1460.0	0.00	0.0	2.1	2.1	0.02	635.04
1470.0	0.00	0.0	2.0	2.1	0.02	635.04
1480.0	0.00	0.0	2.0	2.0	0.02	635.04
1490.0	0.00	0.0	2.0	2.0	0.02	635.04
1500.0	0.00	0.0	1.9	2.0	0.02	635.04
1510.0	0.00	0.0	1.9	1.9	0.02	635.04
1520.0	0.00	0.0	1.9	1.9	0.02	635.04
1530.0	0.00	0.0	1.8	1.9	0.02	635.04
1540.0	0.00	0.0	1.8	1.8	0.02	635.03
1550.0	0.00	0.0	1.8	1.8	0.02	635.03
1560.0	0.00	0.0	1.7	1.8	0.02	635.03
1570.0	0.00	0.0	1.7	1.7	0.02	635.03
1580.0	0.00	0.0	1.7	1.7	0.02	635.03
1590.0	0.00	0.0	1.6	1.7	0.02	635.03
1600.0	0.00	0.0	1.6	1.6	0.02	635.03
1610.0	0.00	0.0	1.6	1.6	0.02	635.03
1620.0	0.00	0.0	1.5	1.6	0.01	635.03
1630.0	0.00	0.0	1.5	1.5	0.01	635.03
1640.0	0.00	0.0	1.5	1.5	0.01	635.03
1650.0	0.00	0.0	1.4	1.5	0.01	635.03
1660.0	0.00	0.0	1.4	1.4	0.01	635.03
1670.0	0.00	0.0	1.4	1.4	0.01	635.03
1680.0	0.00	0.0	1.4	1.4	0.01	635.03
1690.0	0.00	0.0	1.3	1.4	0.01	635.03
1700.0	0.00	0.0	1.3	1.3	0.01	635.03
1710.0	0.00	0.0	1.3	1.3	0.01	635.02
1720.0	0.00	0.0	1.3	1.3	0.01	635.02
1730.0	0.00	0.0	1.2	1.3	0.01	635.02
1740.0	0.00	0.0	1.2	1.2	0.01	635.02
1750.0	0.00	0.0	1.2	1.2	0.01	635.02
1760.0	0.00	0.0	1.2	1.2	0.01	635.02
1770.0	0.00	0.0	1.1	1.2	0.01	635.02
1780.0	0.00	0.0	1.1	1.1	0.01	635.02
1790.0	0.00	0.0	1.1	1.1	0.01	635.02
1800.0	0.00	0.0	1.1	1.1	0.01	635.02
1810.0	0.00	0.0	1.1	1.1	0.01	635.02
1820.0	0.00	0.0	1.0	1.1	0.01	635.02

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	1.0	1.0	0.01	635.02
1840.0	0.00	0.0	1.0	1.0	0.01	635.02
1850.0	0.00	0.0	1.0	1.0	0.01	635.02
1860.0	0.00	0.0	1.0	1.0	0.01	635.02
1870.0	0.00	0.0	0.9	1.0	0.01	635.02
1880.0	0.00	0.0	0.9	0.9	0.01	635.02
1890.0	0.00	0.0	0.9	0.9	0.01	635.02
1900.0	0.00	0.0	0.9	0.9	0.01	635.02
1910.0	0.00	0.0	0.9	0.9	0.01	635.02
1920.0	0.00	0.0	0.9	0.9	0.01	635.02
1930.0	0.00	0.0	0.8	0.9	0.01	635.02
1940.0	0.00	0.0	0.8	0.8	0.01	635.02
1950.0	0.00	0.0	0.8	0.8	0.01	635.02
1960.0	0.00	0.0	0.8	0.8	0.01	635.02
1970.0	0.00	0.0	0.8	0.8	0.01	635.02
1980.0	0.00	0.0	0.8	0.8	0.01	635.01
1990.0	0.00	0.0	0.8	0.8	0.01	635.01
2000.0	0.00	0.0	0.7	0.8	0.01	635.01
2010.0	0.00	0.0	0.7	0.7	0.01	635.01
2020.0	0.00	0.0	0.7	0.7	0.01	635.01
2030.0	0.00	0.0	0.7	0.7	0.01	635.01
2040.0	0.00	0.0	0.7	0.7	0.01	635.01
2050.0	0.00	0.0	0.7	0.7	0.01	635.01
2060.0	0.00	0.0	0.7	0.7	0.01	635.01
2070.0	0.00	0.0	0.6	0.7	0.01	635.01
2080.0	0.00	0.0	0.6	0.6	0.01	635.01
2090.0	0.00	0.0	0.6	0.6	0.01	635.01
2100.0	0.00	0.0	0.6	0.6	0.01	635.01
2110.0	0.00	0.0	0.6	0.6	0.01	635.01
2120.0	0.00	0.0	0.6	0.6	0.01	635.01
2130.0	0.00	0.0	0.6	0.6	0.01	635.01
2140.0	0.00	0.0	0.6	0.6	0.01	635.01
2150.0	0.00	0.0	0.6	0.6	0.01	635.01
2160.0	0.00	0.0	0.5	0.6	0.01	635.01
2170.0	0.00	0.0	0.5	0.5	0.01	635.01
2180.0	0.00	0.0	0.5	0.5	0.01	635.01
2190.0	0.00	0.0	0.5	0.5	0.00	635.01
2200.0	0.00	0.0	0.5	0.5	0.00	635.01
2210.0	0.00	0.0	0.5	0.5	0.00	635.01
2220.0	0.00	0.0	0.5	0.5	0.00	635.01
2230.0	0.00	0.0	0.5	0.5	0.00	635.01
2240.0	0.00	0.0	0.5	0.5	0.00	635.01
2250.0	0.00	0.0	0.5	0.5	0.00	635.01
2260.0	0.00	0.0	0.5	0.5	0.00	635.01
2270.0	0.00	0.0	0.4	0.5	0.00	635.01
2280.0	0.00	0.0	0.4	0.4	0.00	635.01

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	0.4	0.4	0.00	635.01
2300.0	0.00	0.0	0.4	0.4	0.00	635.01
2310.0	0.00	0.0	0.4	0.4	0.00	635.01
2320.0	0.00	0.0	0.4	0.4	0.00	635.01
2330.0	0.00	0.0	0.4	0.4	0.00	635.01
2340.0	0.00	0.0	0.4	0.4	0.00	635.01
2350.0	0.00	0.0	0.4	0.4	0.00	635.01
2360.0	0.00	0.0	0.4	0.4	0.00	635.01
2370.0	0.00	0.0	0.4	0.4	0.00	635.01
2380.0	0.00	0.0	0.4	0.4	0.00	635.01
2390.0	0.00	0.0	0.4	0.4	0.00	635.01
2400.0	0.00	0.0	0.3	0.4	0.00	635.01
2410.0	0.00	0.0	0.3	0.3	0.00	635.01
2420.0	0.00	0.0	0.3	0.3	0.00	635.01
2430.0	0.00	0.0	0.3	0.3	0.00	635.01
2440.0	0.00	0.0	0.3	0.3	0.00	635.01
2450.0	0.00	0.0	0.3	0.3	0.00	635.01
2460.0	0.00	0.0	0.3	0.3	0.00	635.01
2470.0	0.00	0.0	0.3	0.3	0.00	635.01
2480.0	0.00	0.0	0.3	0.3	0.00	635.01
2490.0	0.00	0.0	0.3	0.3	0.00	635.01
2500.0	0.00	0.0	0.3	0.3	0.00	635.01
2510.0	0.00	0.0	0.3	0.3	0.00	635.01
2520.0	0.00	0.0	0.3	0.3	0.00	635.01
2530.0	0.00	0.0	0.3	0.3	0.00	635.01
2540.0	0.00	0.0	0.3	0.3	0.00	635.01
2550.0	0.00	0.0	0.3	0.3	0.00	635.00
2560.0	0.00	0.0	0.3	0.3	0.00	635.00
2570.0	0.00	0.0	0.2	0.3	0.00	635.00
2580.0	0.00	0.0	0.2	0.2	0.00	635.00
2590.0	0.00	0.0	0.2	0.2	0.00	635.00
2600.0	0.00	0.0	0.2	0.2	0.00	635.00
2610.0	0.00	0.0	0.2	0.2	0.00	635.00
2620.0	0.00	0.0	0.2	0.2	0.00	635.00
2630.0	0.00	0.0	0.2	0.2	0.00	635.00
2640.0	0.00	0.0	0.2	0.2	0.00	635.00
2650.0	0.00	0.0	0.2	0.2	0.00	635.00
2660.0	0.00	0.0	0.2	0.2	0.00	635.00
2670.0	0.00	0.0	0.2	0.2	0.00	635.00
2680.0	0.00	0.0	0.2	0.2	0.00	635.00
2690.0	0.00	0.0	0.2	0.2	0.00	635.00
2700.0	0.00	0.0	0.2	0.2	0.00	635.00
710.0	0.00	0.0	0.2	0.2	0.00	635.00
2720.0	0.00	0.0	0.2	0.2	0.00	635.00
2730.0	0.00	0.0	0.2	0.2	0.00	635.00
2740.0	0.00	0.0	0.2	0.2	0.00	635.00

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	0.2	0.2	0.00	635.00
2760.0	0.00	0.0	0.2	0.2	0.00	635.00
2770.0	0.00	0.0	0.2	0.2	0.00	635.00
2780.0	0.00	0.0	0.2	0.2	0.00	635.00
2790.0	0.00	0.0	0.2	0.2	0.00	635.00
2800.0	0.00	0.0	0.2	0.2	0.00	635.00
2810.0	0.00	0.0	0.2	0.2	0.00	635.00
2820.0	0.00	0.0	0.2	0.2	0.00	635.00
2830.0	0.00	0.0	0.2	0.2	0.00	635.00
2840.0	0.00	0.0	0.1	0.2	0.00	635.00
2850.0	0.00	0.0	0.1	0.1	0.00	635.00
2860.0	0.00	0.0	0.1	0.1	0.00	635.00
2870.0	0.00	0.0	0.1	0.1	0.00	635.00
2880.0	0.00	0.0	0.1	0.1	0.00	635.00
2890.0	0.00	0.0	0.1	0.1	0.00	635.00
2900.0	0.00	0.0	0.1	0.1	0.00	635.00
2910.0	0.00	0.0	0.1	0.1	0.00	635.00
2920.0	0.00	0.0	0.1	0.1	0.00	635.00
2930.0	0.00	0.0	0.1	0.1	0.00	635.00
2940.0	0.00	0.0	0.1	0.1	0.00	635.00
2950.0	0.00	0.0	0.1	0.1	0.00	635.00
2960.0	0.00	0.0	0.1	0.1	0.00	635.00
2970.0	0.00	0.0	0.1	0.1	0.00	635.00
2980.0	0.00	0.0	0.1	0.1	0.00	635.00
2990.0	0.00	0.0	0.1	0.1	0.00	635.00
3000.0	0.00	0.0	0.1	0.1	0.00	635.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN1 .PND
Inflow Hydrograph: J:\data\0203043\02B1 .HYD
Outflow Hydrograph: J:\data\0203043\B102 .HYD

Starting Pond W.S. Elevation = 635.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 8.94 cfs
Peak Outflow = 0.44 cfs
Peak Elevation = 635.64 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 10,367 cu-ft

Total Storage in Pond = 10,367 cu-ft


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*****
*
*          BRIARCHASE          *
*   DETENTION BASIN #1      *
*
*
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*
*****
  
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Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Rating Table file: J:\data\0203043\BASIN1 .PND

----INITIAL CONDITIONS----
 Elevation = 635.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
635.00	0.0	0	0.0	0.0
635.20	0.1	3,139	10.5	10.6
635.40	0.2	6,351	21.2	21.4
635.60	0.4	9,636	32.1	32.5
635.80	0.6	12,997	43.3	43.9
636.00	0.8	16,435	54.8	55.6
636.20	1.1	19,949	66.5	67.6
636.40	1.4	23,540	78.5	79.9
636.60	1.7	27,209	90.7	92.4
636.80	2.0	30,959	103.2	105.2
637.00	2.3	34,788	116.0	118.3
637.20	6.1	38,698	129.0	135.1
637.40	12.6	42,686	142.3	154.9
637.60	19.8	46,753	155.8	175.6
637.80	24.1	50,902	169.7	193.8
638.00	27.8	55,133	183.8	211.6
638.20	31.0	59,445	198.1	229.1
638.40	33.9	63,838	212.8	246.7
638.60	36.6	68,312	227.7	264.3
638.80	39.0	72,870	242.9	281.9
639.00	41.4	77,512	258.4	299.8

Time increment (t) = 10.0 min.

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	----	0.0	0.0	0.00	635.00
10.0	14.56	14.6	14.3	14.6	0.14	635.27
20.0	14.56	29.1	42.2	43.4	0.59	635.79
30.0	0.00	14.6	55.1	56.8	0.83	636.02
40.0	0.00	0.0	53.5	55.1	0.79	635.99
50.0	0.00	0.0	52.0	53.5	0.76	635.96
60.0	0.00	0.0	50.5	52.0	0.74	635.94
70.0	0.00	0.0	49.1	50.5	0.71	635.91
80.0	0.00	0.0	47.7	49.1	0.69	635.89
90.0	0.00	0.0	46.4	47.7	0.67	635.87
100.0	0.00	0.0	45.1	46.4	0.64	635.84
110.0	0.00	0.0	43.9	45.1	0.62	635.82
120.0	0.00	0.0	42.7	43.9	0.60	635.80
130.0	0.00	0.0	41.5	42.7	0.58	635.78
140.0	0.00	0.0	40.4	41.5	0.56	635.76
150.0	0.00	0.0	39.3	40.4	0.54	635.74
160.0	0.00	0.0	38.3	39.3	0.52	635.72
170.0	0.00	0.0	37.3	38.3	0.50	635.70
180.0	0.00	0.0	36.3	37.3	0.48	635.68
190.0	0.00	0.0	35.4	36.3	0.47	635.67
200.0	0.00	0.0	34.5	35.4	0.45	635.65
210.0	0.00	0.0	33.6	34.5	0.43	635.63
220.0	0.00	0.0	32.8	33.6	0.42	635.62
230.0	0.00	0.0	32.0	32.8	0.40	635.60
240.0	0.00	0.0	31.2	32.0	0.39	635.59
250.0	0.00	0.0	30.4	31.2	0.38	635.58
260.0	0.00	0.0	29.7	30.4	0.36	635.56
270.0	0.00	0.0	29.0	29.7	0.35	635.55
280.0	0.00	0.0	28.3	29.0	0.34	635.54
290.0	0.00	0.0	27.7	28.3	0.32	635.52
300.0	0.00	0.0	27.1	27.7	0.31	635.51
310.0	0.00	0.0	26.5	27.1	0.30	635.50
320.0	0.00	0.0	25.9	26.5	0.29	635.49
330.0	0.00	0.0	25.3	25.9	0.28	635.48
340.0	0.00	0.0	24.8	25.3	0.27	635.47
350.0	0.00	0.0	24.2	24.8	0.26	635.46
360.0	0.00	0.0	23.7	24.2	0.25	635.45
370.0	0.00	0.0	23.3	23.7	0.24	635.44
380.0	0.00	0.0	22.8	23.3	0.23	635.43
390.0	0.00	0.0	22.3	22.8	0.23	635.43
400.0	0.00	0.0	21.9	22.3	0.22	635.42
410.0	0.00	0.0	21.5	21.9	0.21	635.41
420.0	0.00	0.0	21.1	21.5	0.20	635.40
430.0	0.00	0.0	20.7	21.1	0.20	635.39
440.0	0.00	0.0	20.3	20.7	0.19	635.39

ond File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	19.9	20.3	0.19	635.38
460.0	0.00	0.0	19.5	19.9	0.19	635.37
470.0	0.00	0.0	19.2	19.5	0.18	635.37
480.0	0.00	0.0	18.8	19.2	0.18	635.36
490.0	0.00	0.0	18.5	18.8	0.18	635.35
500.0	0.00	0.0	18.1	18.5	0.17	635.35
510.0	0.00	0.0	17.8	18.1	0.17	635.34
520.0	0.00	0.0	17.4	17.8	0.17	635.33
530.0	0.00	0.0	17.1	17.4	0.16	635.33
540.0	0.00	0.0	16.8	17.1	0.16	635.32
550.0	0.00	0.0	16.5	16.8	0.16	635.32
560.0	0.00	0.0	16.2	16.5	0.15	635.31
570.0	0.00	0.0	15.9	16.2	0.15	635.30
580.0	0.00	0.0	15.6	15.9	0.15	635.30
590.0	0.00	0.0	15.3	15.6	0.15	635.29
600.0	0.00	0.0	15.0	15.3	0.14	635.29
610.0	0.00	0.0	14.7	15.0	0.14	635.28
620.0	0.00	0.0	14.4	14.7	0.14	635.28
630.0	0.00	0.0	14.2	14.4	0.14	635.27
640.0	0.00	0.0	13.9	14.2	0.13	635.27
650.0	0.00	0.0	13.6	13.9	0.13	635.26
660.0	0.00	0.0	13.4	13.6	0.13	635.26
670.0	0.00	0.0	13.1	13.4	0.13	635.25
680.0	0.00	0.0	12.9	13.1	0.12	635.25
690.0	0.00	0.0	12.6	12.9	0.12	635.24
700.0	0.00	0.0	12.4	12.6	0.12	635.24
710.0	0.00	0.0	12.2	12.4	0.12	635.23
720.0	0.00	0.0	11.9	12.2	0.11	635.23
730.0	0.00	0.0	11.7	11.9	0.11	635.23
740.0	0.00	0.0	11.5	11.7	0.11	635.22
750.0	0.00	0.0	11.3	11.5	0.11	635.22
760.0	0.00	0.0	11.1	11.3	0.11	635.21
770.0	0.00	0.0	10.8	11.1	0.10	635.21
780.0	0.00	0.0	10.6	10.8	0.10	635.21
790.0	0.00	0.0	10.4	10.6	0.10	635.20
800.0	0.00	0.0	10.2	10.4	0.10	635.20
810.0	0.00	0.0	10.0	10.2	0.10	635.19
820.0	0.00	0.0	9.9	10.0	0.10	635.19
830.0	0.00	0.0	9.7	9.9	0.09	635.19
840.0	0.00	0.0	9.5	9.7	0.09	635.18
850.0	0.00	0.0	9.3	9.5	0.09	635.18
860.0	0.00	0.0	9.1	9.3	0.09	635.18
870.0	0.00	0.0	9.0	9.1	0.09	635.17
880.0	0.00	0.0	8.8	9.0	0.08	635.17
890.0	0.00	0.0	8.6	8.8	0.08	635.17
900.0	0.00	0.0	8.5	8.6	0.08	635.16

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	8.3	8.5	0.08	635.16
920.0	0.00	0.0	8.1	8.3	0.08	635.16
930.0	0.00	0.0	8.0	8.1	0.08	635.15
940.0	0.00	0.0	7.8	8.0	0.08	635.15
950.0	0.00	0.0	7.7	7.8	0.07	635.15
960.0	0.00	0.0	7.5	7.7	0.07	635.15
970.0	0.00	0.0	7.4	7.5	0.07	635.14
980.0	0.00	0.0	7.3	7.4	0.07	635.14
990.0	0.00	0.0	7.1	7.3	0.07	635.14
1000.0	0.00	0.0	7.0	7.1	0.07	635.13
1010.0	0.00	0.0	6.9	7.0	0.07	635.13
1020.0	0.00	0.0	6.7	6.9	0.06	635.13
1030.0	0.00	0.0	6.6	6.7	0.06	635.13
1040.0	0.00	0.0	6.5	6.6	0.06	635.12
1050.0	0.00	0.0	6.4	6.5	0.06	635.12
1060.0	0.00	0.0	6.2	6.4	0.06	635.12
1070.0	0.00	0.0	6.1	6.2	0.06	635.12
1080.0	0.00	0.0	6.0	6.1	0.06	635.12
1090.0	0.00	0.0	5.9	6.0	0.06	635.11
1100.0	0.00	0.0	5.8	5.9	0.06	635.11
1110.0	0.00	0.0	5.7	5.8	0.05	635.11
1120.0	0.00	0.0	5.6	5.7	0.05	635.11
1130.0	0.00	0.0	5.5	5.6	0.05	635.11
1140.0	0.00	0.0	5.3	5.5	0.05	635.10
1150.0	0.00	0.0	5.2	5.3	0.05	635.10
1160.0	0.00	0.0	5.1	5.2	0.05	635.10
1170.0	0.00	0.0	5.0	5.1	0.05	635.10
1180.0	0.00	0.0	5.0	5.0	0.05	635.10
1190.0	0.00	0.0	4.9	5.0	0.05	635.09
1200.0	0.00	0.0	4.8	4.9	0.05	635.09
1210.0	0.00	0.0	4.7	4.8	0.05	635.09
1220.0	0.00	0.0	4.6	4.7	0.04	635.09
1230.0	0.00	0.0	4.5	4.6	0.04	635.09
1240.0	0.00	0.0	4.4	4.5	0.04	635.09
1250.0	0.00	0.0	4.3	4.4	0.04	635.08
1260.0	0.00	0.0	4.3	4.3	0.04	635.08
1270.0	0.00	0.0	4.2	4.3	0.04	635.08
1280.0	0.00	0.0	4.1	4.2	0.04	635.08
1290.0	0.00	0.0	4.0	4.1	0.04	635.08
1300.0	0.00	0.0	3.9	4.0	0.04	635.08
1310.0	0.00	0.0	3.9	3.9	0.04	635.07
1320.0	0.00	0.0	3.8	3.9	0.04	635.07
1330.0	0.00	0.0	3.7	3.8	0.04	635.07
1340.0	0.00	0.0	3.6	3.7	0.04	635.07
1350.0	0.00	0.0	3.6	3.6	0.03	635.07
1360.0	0.00	0.0	3.5	3.6	0.03	635.07

ond File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	3.4	3.5	0.03	635.07
1380.0	0.00	0.0	3.4	3.4	0.03	635.07
1390.0	0.00	0.0	3.3	3.4	0.03	635.06
1400.0	0.00	0.0	3.3	3.3	0.03	635.06
1410.0	0.00	0.0	3.2	3.3	0.03	635.06
1420.0	0.00	0.0	3.1	3.2	0.03	635.06
1430.0	0.00	0.0	3.1	3.1	0.03	635.06
1440.0	0.00	0.0	3.0	3.1	0.03	635.06
1450.0	0.00	0.0	3.0	3.0	0.03	635.06
1460.0	0.00	0.0	2.9	3.0	0.03	635.06
1470.0	0.00	0.0	2.8	2.9	0.03	635.05
1480.0	0.00	0.0	2.8	2.8	0.03	635.05
1490.0	0.00	0.0	2.7	2.8	0.03	635.05
1500.0	0.00	0.0	2.7	2.7	0.03	635.05
1510.0	0.00	0.0	2.6	2.7	0.03	635.05
1520.0	0.00	0.0	2.6	2.6	0.02	635.05
1530.0	0.00	0.0	2.5	2.6	0.02	635.05
1540.0	0.00	0.0	2.5	2.5	0.02	635.05
1550.0	0.00	0.0	2.4	2.5	0.02	635.05
1560.0	0.00	0.0	2.4	2.4	0.02	635.05
1570.0	0.00	0.0	2.4	2.4	0.02	635.05
1580.0	0.00	0.0	2.3	2.4	0.02	635.04
1590.0	0.00	0.0	2.3	2.3	0.02	635.04
1600.0	0.00	0.0	2.2	2.3	0.02	635.04
1610.0	0.00	0.0	2.2	2.2	0.02	635.04
1620.0	0.00	0.0	2.1	2.2	0.02	635.04
1630.0	0.00	0.0	2.1	2.1	0.02	635.04
1640.0	0.00	0.0	2.1	2.1	0.02	635.04
1650.0	0.00	0.0	2.0	2.1	0.02	635.04
1660.0	0.00	0.0	2.0	2.0	0.02	635.04
1670.0	0.00	0.0	1.9	2.0	0.02	635.04
1680.0	0.00	0.0	1.9	1.9	0.02	635.04
1690.0	0.00	0.0	1.9	1.9	0.02	635.04
1700.0	0.00	0.0	1.8	1.9	0.02	635.04
1710.0	0.00	0.0	1.8	1.8	0.02	635.03
1720.0	0.00	0.0	1.8	1.8	0.02	635.03
1730.0	0.00	0.0	1.7	1.8	0.02	635.03
1740.0	0.00	0.0	1.7	1.7	0.02	635.03
1750.0	0.00	0.0	1.7	1.7	0.02	635.03
1760.0	0.00	0.0	1.6	1.7	0.02	635.03
1770.0	0.00	0.0	1.6	1.6	0.02	635.03
1780.0	0.00	0.0	1.6	1.6	0.02	635.03
1790.0	0.00	0.0	1.5	1.6	0.01	635.03
1800.0	0.00	0.0	1.5	1.5	0.01	635.03
1810.0	0.00	0.0	1.5	1.5	0.01	635.03
1820.0	0.00	0.0	1.5	1.5	0.01	635.03

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	1.4	1.5	0.01	635.03
1840.0	0.00	0.0	1.4	1.4	0.01	635.03
1850.0	0.00	0.0	1.4	1.4	0.01	635.03
1860.0	0.00	0.0	1.4	1.4	0.01	635.03
1870.0	0.00	0.0	1.3	1.4	0.01	635.03
1880.0	0.00	0.0	1.3	1.3	0.01	635.03
1890.0	0.00	0.0	1.3	1.3	0.01	635.02
1900.0	0.00	0.0	1.3	1.3	0.01	635.02
1910.0	0.00	0.0	1.2	1.3	0.01	635.02
1920.0	0.00	0.0	1.2	1.2	0.01	635.02
1930.0	0.00	0.0	1.2	1.2	0.01	635.02
1940.0	0.00	0.0	1.2	1.2	0.01	635.02
1950.0	0.00	0.0	1.1	1.2	0.01	635.02
1960.0	0.00	0.0	1.1	1.1	0.01	635.02
1970.0	0.00	0.0	1.1	1.1	0.01	635.02
1980.0	0.00	0.0	1.1	1.1	0.01	635.02
1990.0	0.00	0.0	1.1	1.1	0.01	635.02
2000.0	0.00	0.0	1.0	1.1	0.01	635.02
2010.0	0.00	0.0	1.0	1.0	0.01	635.02
2020.0	0.00	0.0	1.0	1.0	0.01	635.02
2030.0	0.00	0.0	1.0	1.0	0.01	635.02
2040.0	0.00	0.0	1.0	1.0	0.01	635.02
2050.0	0.00	0.0	0.9	1.0	0.01	635.02
2060.0	0.00	0.0	0.9	0.9	0.01	635.02
2070.0	0.00	0.0	0.9	0.9	0.01	635.02
2080.0	0.00	0.0	0.9	0.9	0.01	635.02
2090.0	0.00	0.0	0.9	0.9	0.01	635.02
2100.0	0.00	0.0	0.9	0.9	0.01	635.02
2110.0	0.00	0.0	0.8	0.9	0.01	635.02
2120.0	0.00	0.0	0.8	0.8	0.01	635.02
2130.0	0.00	0.0	0.8	0.8	0.01	635.02
2140.0	0.00	0.0	0.8	0.8	0.01	635.02
2150.0	0.00	0.0	0.8	0.8	0.01	635.01
2160.0	0.00	0.0	0.8	0.8	0.01	635.01
2170.0	0.00	0.0	0.7	0.8	0.01	635.01
2180.0	0.00	0.0	0.7	0.7	0.01	635.01
2190.0	0.00	0.0	0.7	0.7	0.01	635.01
2200.0	0.00	0.0	0.7	0.7	0.01	635.01
2210.0	0.00	0.0	0.7	0.7	0.01	635.01
2220.0	0.00	0.0	0.7	0.7	0.01	635.01
2230.0	0.00	0.0	0.7	0.7	0.01	635.01
2240.0	0.00	0.0	0.7	0.7	0.01	635.01
2250.0	0.00	0.0	0.6	0.7	0.01	635.01
2260.0	0.00	0.0	0.6	0.6	0.01	635.01
2270.0	0.00	0.0	0.6	0.6	0.01	635.01
2280.0	0.00	0.0	0.6	0.6	0.01	635.01

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and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	0.6	0.6	0.01	635.01
2300.0	0.00	0.0	0.6	0.6	0.01	635.01
2310.0	0.00	0.0	0.6	0.6	0.01	635.01
2320.0	0.00	0.0	0.6	0.6	0.01	635.01
2330.0	0.00	0.0	0.5	0.6	0.01	635.01
2340.0	0.00	0.0	0.5	0.5	0.01	635.01
2350.0	0.00	0.0	0.5	0.5	0.01	635.01
2360.0	0.00	0.0	0.5	0.5	0.01	635.01
2370.0	0.00	0.0	0.5	0.5	0.00	635.01
2380.0	0.00	0.0	0.5	0.5	0.00	635.01
2390.0	0.00	0.0	0.5	0.5	0.00	635.01
2400.0	0.00	0.0	0.5	0.5	0.00	635.01
2410.0	0.00	0.0	0.5	0.5	0.00	635.01
2420.0	0.00	0.0	0.5	0.5	0.00	635.01
2430.0	0.00	0.0	0.5	0.5	0.00	635.01
2440.0	0.00	0.0	0.4	0.5	0.00	635.01
2450.0	0.00	0.0	0.4	0.4	0.00	635.01
2460.0	0.00	0.0	0.4	0.4	0.00	635.01
2470.0	0.00	0.0	0.4	0.4	0.00	635.01
2480.0	0.00	0.0	0.4	0.4	0.00	635.01
2490.0	0.00	0.0	0.4	0.4	0.00	635.01
2500.0	0.00	0.0	0.4	0.4	0.00	635.01
2510.0	0.00	0.0	0.4	0.4	0.00	635.01
2520.0	0.00	0.0	0.4	0.4	0.00	635.01
2530.0	0.00	0.0	0.4	0.4	0.00	635.01
2540.0	0.00	0.0	0.4	0.4	0.00	635.01
2550.0	0.00	0.0	0.4	0.4	0.00	635.01
2560.0	0.00	0.0	0.4	0.4	0.00	635.01
2570.0	0.00	0.0	0.3	0.4	0.00	635.01
2580.0	0.00	0.0	0.3	0.3	0.00	635.01
2590.0	0.00	0.0	0.3	0.3	0.00	635.01
2600.0	0.00	0.0	0.3	0.3	0.00	635.01
2610.0	0.00	0.0	0.3	0.3	0.00	635.01
2620.0	0.00	0.0	0.3	0.3	0.00	635.01
2630.0	0.00	0.0	0.3	0.3	0.00	635.01
2640.0	0.00	0.0	0.3	0.3	0.00	635.01
2650.0	0.00	0.0	0.3	0.3	0.00	635.01
2660.0	0.00	0.0	0.3	0.3	0.00	635.01
2670.0	0.00	0.0	0.3	0.3	0.00	635.01
2680.0	0.00	0.0	0.3	0.3	0.00	635.01
2690.0	0.00	0.0	0.3	0.3	0.00	635.01
2700.0	0.00	0.0	0.3	0.3	0.00	635.01
2710.0	0.00	0.0	0.3	0.3	0.00	635.01
2720.0	0.00	0.0	0.3	0.3	0.00	635.01
2730.0	0.00	0.0	0.3	0.3	0.00	635.00
2740.0	0.00	0.0	0.3	0.3	0.00	635.00

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	0.2	0.3	0.00	635.00
2760.0	0.00	0.0	0.2	0.2	0.00	635.00
2770.0	0.00	0.0	0.2	0.2	0.00	635.00
2780.0	0.00	0.0	0.2	0.2	0.00	635.00
2790.0	0.00	0.0	0.2	0.2	0.00	635.00
2800.0	0.00	0.0	0.2	0.2	0.00	635.00
2810.0	0.00	0.0	0.2	0.2	0.00	635.00
2820.0	0.00	0.0	0.2	0.2	0.00	635.00
2830.0	0.00	0.0	0.2	0.2	0.00	635.00
2840.0	0.00	0.0	0.2	0.2	0.00	635.00
2850.0	0.00	0.0	0.2	0.2	0.00	635.00
2860.0	0.00	0.0	0.2	0.2	0.00	635.00
2870.0	0.00	0.0	0.2	0.2	0.00	635.00
2880.0	0.00	0.0	0.2	0.2	0.00	635.00
2890.0	0.00	0.0	0.2	0.2	0.00	635.00
2900.0	0.00	0.0	0.2	0.2	0.00	635.00
2910.0	0.00	0.0	0.2	0.2	0.00	635.00
2920.0	0.00	0.0	0.2	0.2	0.00	635.00
2930.0	0.00	0.0	0.2	0.2	0.00	635.00
2940.0	0.00	0.0	0.2	0.2	0.00	635.00
2950.0	0.00	0.0	0.2	0.2	0.00	635.00
2960.0	0.00	0.0	0.2	0.2	0.00	635.00
2970.0	0.00	0.0	0.2	0.2	0.00	635.00
2980.0	0.00	0.0	0.2	0.2	0.00	635.00
2990.0	0.00	0.0	0.2	0.2	0.00	635.00
3000.0	0.00	0.0	0.2	0.2	0.00	635.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN1 .PND
Inflow Hydrograph: J:\data\0203043\15B1 .HYD
Outflow Hydrograph: J:\data\0203043\B115 .HYD

Starting Pond W.S. Elevation = 635.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 14.56 cfs
Peak Outflow = 0.83 cfs
Peak Elevation = 636.02 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 16,786 cu-ft

Total Storage in Pond = 16,786 cu-ft

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*****
*
*      BRIARCHASE      *
*  DETENTION BASIN #1 *
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*****
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Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Rating Table file: J:\data\0203043\BASIN1 .PND

----INITIAL CONDITIONS----

Elevation = 635.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
635.00	0.0	0	0.0	0.0
635.20	0.1	3,139	10.5	10.6
635.40	0.2	6,351	21.2	21.4
635.60	0.4	9,636	32.1	32.5
635.80	0.6	12,997	43.3	43.9
636.00	0.8	16,435	54.8	55.6
636.20	1.1	19,949	66.5	67.6
636.40	1.4	23,540	78.5	79.9
636.60	1.7	27,209	90.7	92.4
636.80	2.0	30,959	103.2	105.2
637.00	2.3	34,788	116.0	118.3
637.20	6.1	38,698	129.0	135.1
637.40	12.6	42,686	142.3	154.9
637.60	19.8	46,753	155.8	175.6
637.80	24.1	50,902	169.7	193.8
638.00	27.8	55,133	183.8	211.6
638.20	31.0	59,445	198.1	229.1
638.40	33.9	63,838	212.8	246.7
638.60	36.6	68,312	227.7	264.3
638.80	39.0	72,870	242.9	281.9
639.00	41.4	77,512	258.4	299.8

Time increment (t) = 10.0 min.

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	635.00
10.0	17.96	18.0	17.6	18.0	0.17	635.34
20.0	17.96	35.9	52.0	53.5	0.77	635.97
30.0	0.00	18.0	67.7	70.0	1.16	636.24
40.0	0.00	0.0	65.5	67.7	1.10	636.20
50.0	0.00	0.0	63.4	65.5	1.05	636.16
60.0	0.00	0.0	61.4	63.4	0.99	636.13
70.0	0.00	0.0	59.5	61.4	0.94	636.10
80.0	0.00	0.0	57.7	59.5	0.90	636.06
90.0	0.00	0.0	56.0	57.7	0.85	636.04
100.0	0.00	0.0	54.4	56.0	0.81	636.01
110.0	0.00	0.0	52.8	54.4	0.78	635.98
120.0	0.00	0.0	51.3	52.8	0.75	635.95
130.0	0.00	0.0	49.8	51.3	0.73	635.93
140.0	0.00	0.0	48.4	49.8	0.70	635.90
150.0	0.00	0.0	47.1	48.4	0.68	635.88
160.0	0.00	0.0	45.8	47.1	0.65	635.85
170.0	0.00	0.0	44.5	45.8	0.63	635.83
180.0	0.00	0.0	43.3	44.5	0.61	635.81
190.0	0.00	0.0	42.1	43.3	0.59	635.79
200.0	0.00	0.0	41.0	42.1	0.57	635.77
210.0	0.00	0.0	39.9	41.0	0.55	635.75
220.0	0.00	0.0	38.8	39.9	0.53	635.73
230.0	0.00	0.0	37.8	38.8	0.51	635.71
240.0	0.00	0.0	36.8	37.8	0.49	635.69
250.0	0.00	0.0	35.9	36.8	0.48	635.68
260.0	0.00	0.0	35.0	35.9	0.46	635.66
270.0	0.00	0.0	34.1	35.0	0.44	635.64
280.0	0.00	0.0	33.2	34.1	0.43	635.63
290.0	0.00	0.0	32.4	33.2	0.41	635.61
300.0	0.00	0.0	31.6	32.4	0.40	635.60
310.0	0.00	0.0	30.8	31.6	0.38	635.58
320.0	0.00	0.0	30.1	30.8	0.37	635.57
330.0	0.00	0.0	29.4	30.1	0.36	635.56
340.0	0.00	0.0	28.7	29.4	0.34	635.54
350.0	0.00	0.0	28.0	28.7	0.33	635.53
360.0	0.00	0.0	27.4	28.0	0.32	635.52
370.0	0.00	0.0	26.8	27.4	0.31	635.51
380.0	0.00	0.0	26.2	26.8	0.30	635.50
390.0	0.00	0.0	25.6	26.2	0.29	635.49
400.0	0.00	0.0	25.1	25.6	0.28	635.48
410.0	0.00	0.0	24.5	25.1	0.27	635.47
420.0	0.00	0.0	24.0	24.5	0.26	635.46
430.0	0.00	0.0	23.5	24.0	0.25	635.45
440.0	0.00	0.0	23.0	23.5	0.24	635.44

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	22.6	23.0	0.23	635.43
460.0	0.00	0.0	22.1	22.6	0.22	635.42
470.0	0.00	0.0	21.7	22.1	0.21	635.41
480.0	0.00	0.0	21.3	21.7	0.21	635.41
490.0	0.00	0.0	20.9	21.3	0.20	635.40
500.0	0.00	0.0	20.5	20.9	0.20	635.39
510.0	0.00	0.0	20.1	20.5	0.19	635.38
520.0	0.00	0.0	19.7	20.1	0.19	635.38
530.0	0.00	0.0	19.4	19.7	0.18	635.37
540.0	0.00	0.0	19.0	19.4	0.18	635.36
550.0	0.00	0.0	18.7	19.0	0.18	635.36
560.0	0.00	0.0	18.3	18.7	0.17	635.35
570.0	0.00	0.0	18.0	18.3	0.17	635.34
580.0	0.00	0.0	17.6	18.0	0.17	635.34
590.0	0.00	0.0	17.3	17.6	0.17	635.33
600.0	0.00	0.0	17.0	17.3	0.16	635.32
610.0	0.00	0.0	16.6	17.0	0.16	635.32
620.0	0.00	0.0	16.3	16.6	0.16	635.31
630.0	0.00	0.0	16.0	16.3	0.15	635.31
640.0	0.00	0.0	15.7	16.0	0.15	635.30
650.0	0.00	0.0	15.4	15.7	0.15	635.30
660.0	0.00	0.0	15.1	15.4	0.15	635.29
670.0	0.00	0.0	14.9	15.1	0.14	635.28
680.0	0.00	0.0	14.6	14.9	0.14	635.28
690.0	0.00	0.0	14.3	14.6	0.14	635.27
700.0	0.00	0.0	14.0	14.3	0.13	635.27
710.0	0.00	0.0	13.8	14.0	0.13	635.26
720.0	0.00	0.0	13.5	13.8	0.13	635.26
730.0	0.00	0.0	13.3	13.5	0.13	635.25
740.0	0.00	0.0	13.0	13.3	0.12	635.25
750.0	0.00	0.0	12.8	13.0	0.12	635.25
760.0	0.00	0.0	12.5	12.8	0.12	635.24
770.0	0.00	0.0	12.3	12.5	0.12	635.24
780.0	0.00	0.0	12.1	12.3	0.12	635.23
790.0	0.00	0.0	11.8	12.1	0.11	635.23
800.0	0.00	0.0	11.6	11.8	0.11	635.22
810.0	0.00	0.0	11.4	11.6	0.11	635.22
820.0	0.00	0.0	11.2	11.4	0.11	635.22
830.0	0.00	0.0	11.0	11.2	0.11	635.21
840.0	0.00	0.0	10.7	11.0	0.10	635.21
850.0	0.00	0.0	10.5	10.7	0.10	635.20
860.0	0.00	0.0	10.3	10.5	0.10	635.20
870.0	0.00	0.0	10.2	10.3	0.10	635.20
880.0	0.00	0.0	10.0	10.2	0.10	635.19
890.0	0.00	0.0	9.8	10.0	0.09	635.19
900.0	0.00	0.0	9.6	9.8	0.09	635.18

nd File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	9.4	9.6	0.09	635.18
920.0	0.00	0.0	9.2	9.4	0.09	635.18
930.0	0.00	0.0	9.1	9.2	0.09	635.17
940.0	0.00	0.0	8.9	9.1	0.09	635.17
950.0	0.00	0.0	8.7	8.9	0.08	635.17
960.0	0.00	0.0	8.5	8.7	0.08	635.16
970.0	0.00	0.0	8.4	8.5	0.08	635.16
980.0	0.00	0.0	8.2	8.4	0.08	635.16
990.0	0.00	0.0	8.1	8.2	0.08	635.16
1000.0	0.00	0.0	7.9	8.1	0.08	635.15
1010.0	0.00	0.0	7.8	7.9	0.07	635.15
1020.0	0.00	0.0	7.6	7.8	0.07	635.15
1030.0	0.00	0.0	7.5	7.6	0.07	635.14
1040.0	0.00	0.0	7.3	7.5	0.07	635.14
1050.0	0.00	0.0	7.2	7.3	0.07	635.14
1060.0	0.00	0.0	7.1	7.2	0.07	635.14
1070.0	0.00	0.0	6.9	7.1	0.07	635.13
1080.0	0.00	0.0	6.8	6.9	0.07	635.13
1090.0	0.00	0.0	6.7	6.8	0.06	635.13
1100.0	0.00	0.0	6.5	6.7	0.06	635.13
1110.0	0.00	0.0	6.4	6.5	0.06	635.12
1120.0	0.00	0.0	6.3	6.4	0.06	635.12
1130.0	0.00	0.0	6.2	6.3	0.06	635.12
1140.0	0.00	0.0	6.1	6.2	0.06	635.12
1150.0	0.00	0.0	5.9	6.1	0.06	635.11
1160.0	0.00	0.0	5.8	5.9	0.06	635.11
1170.0	0.00	0.0	5.7	5.8	0.06	635.11
1180.0	0.00	0.0	5.6	5.7	0.05	635.11
1190.0	0.00	0.0	5.5	5.6	0.05	635.11
1200.0	0.00	0.0	5.4	5.5	0.05	635.10
1210.0	0.00	0.0	5.3	5.4	0.05	635.10
1220.0	0.00	0.0	5.2	5.3	0.05	635.10
1230.0	0.00	0.0	5.1	5.2	0.05	635.10
1240.0	0.00	0.0	5.0	5.1	0.05	635.10
1250.0	0.00	0.0	4.9	5.0	0.05	635.09
1260.0	0.00	0.0	4.8	4.9	0.05	635.09
1270.0	0.00	0.0	4.7	4.8	0.05	635.09
1280.0	0.00	0.0	4.6	4.7	0.04	635.09
1290.0	0.00	0.0	4.5	4.6	0.04	635.09
1300.0	0.00	0.0	4.5	4.5	0.04	635.09
1310.0	0.00	0.0	4.4	4.5	0.04	635.08
1320.0	0.00	0.0	4.3	4.4	0.04	635.08
1330.0	0.00	0.0	4.2	4.3	0.04	635.08
1340.0	0.00	0.0	4.1	4.2	0.04	635.08
1350.0	0.00	0.0	4.1	4.1	0.04	635.08
1360.0	0.00	0.0	4.0	4.1	0.04	635.08

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	3.9	4.0	0.04	635.08
1380.0	0.00	0.0	3.8	3.9	0.04	635.07
1390.0	0.00	0.0	3.8	3.8	0.04	635.07
1400.0	0.00	0.0	3.7	3.8	0.04	635.07
1410.0	0.00	0.0	3.6	3.7	0.03	635.07
1420.0	0.00	0.0	3.5	3.6	0.03	635.07
1430.0	0.00	0.0	3.5	3.5	0.03	635.07
1440.0	0.00	0.0	3.4	3.5	0.03	635.07
1450.0	0.00	0.0	3.3	3.4	0.03	635.06
1460.0	0.00	0.0	3.3	3.3	0.03	635.06
1470.0	0.00	0.0	3.2	3.3	0.03	635.06
1480.0	0.00	0.0	3.2	3.2	0.03	635.06
1490.0	0.00	0.0	3.1	3.2	0.03	635.06
1500.0	0.00	0.0	3.0	3.1	0.03	635.06
1510.0	0.00	0.0	3.0	3.0	0.03	635.06
1520.0	0.00	0.0	2.9	3.0	0.03	635.06
1530.0	0.00	0.0	2.9	2.9	0.03	635.06
1540.0	0.00	0.0	2.8	2.9	0.03	635.05
1550.0	0.00	0.0	2.8	2.8	0.03	635.05
1560.0	0.00	0.0	2.7	2.8	0.03	635.05
1570.0	0.00	0.0	2.7	2.7	0.03	635.05
1580.0	0.00	0.0	2.6	2.7	0.03	635.05
1590.0	0.00	0.0	2.6	2.6	0.02	635.05
1600.0	0.00	0.0	2.5	2.6	0.02	635.05
1610.0	0.00	0.0	2.5	2.5	0.02	635.05
1620.0	0.00	0.0	2.4	2.5	0.02	635.05
1630.0	0.00	0.0	2.4	2.4	0.02	635.05
1640.0	0.00	0.0	2.3	2.4	0.02	635.04
1650.0	0.00	0.0	2.3	2.3	0.02	635.04
1660.0	0.00	0.0	2.2	2.3	0.02	635.04
1670.0	0.00	0.0	2.2	2.2	0.02	635.04
1680.0	0.00	0.0	2.2	2.2	0.02	635.04
1690.0	0.00	0.0	2.1	2.2	0.02	635.04
1700.0	0.00	0.0	2.1	2.1	0.02	635.04
1710.0	0.00	0.0	2.0	2.1	0.02	635.04
1720.0	0.00	0.0	2.0	2.0	0.02	635.04
1730.0	0.00	0.0	2.0	2.0	0.02	635.04
1740.0	0.00	0.0	1.9	2.0	0.02	635.04
1750.0	0.00	0.0	1.9	1.9	0.02	635.04
1760.0	0.00	0.0	1.9	1.9	0.02	635.04
1770.0	0.00	0.0	1.8	1.9	0.02	635.04
1780.0	0.00	0.0	1.8	1.8	0.02	635.03
1790.0	0.00	0.0	1.7	1.8	0.02	635.03
1800.0	0.00	0.0	1.7	1.7	0.02	635.03
1810.0	0.00	0.0	1.7	1.7	0.02	635.03
1820.0	0.00	0.0	1.7	1.7	0.02	635.03

nd File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	1.6	1.7	0.02	635.03
1840.0	0.00	0.0	1.6	1.6	0.02	635.03
1850.0	0.00	0.0	1.6	1.6	0.02	635.03
1860.0	0.00	0.0	1.5	1.6	0.01	635.03
1870.0	0.00	0.0	1.5	1.5	0.01	635.03
1880.0	0.00	0.0	1.5	1.5	0.01	635.03
1890.0	0.00	0.0	1.4	1.5	0.01	635.03
1900.0	0.00	0.0	1.4	1.4	0.01	635.03
1910.0	0.00	0.0	1.4	1.4	0.01	635.03
1920.0	0.00	0.0	1.4	1.4	0.01	635.03
1930.0	0.00	0.0	1.3	1.4	0.01	635.03
1940.0	0.00	0.0	1.3	1.3	0.01	635.03
1950.0	0.00	0.0	1.3	1.3	0.01	635.02
1960.0	0.00	0.0	1.3	1.3	0.01	635.02
1970.0	0.00	0.0	1.2	1.3	0.01	635.02
1980.0	0.00	0.0	1.2	1.2	0.01	635.02
1990.0	0.00	0.0	1.2	1.2	0.01	635.02
2000.0	0.00	0.0	1.2	1.2	0.01	635.02
2010.0	0.00	0.0	1.1	1.2	0.01	635.02
2020.0	0.00	0.0	1.1	1.1	0.01	635.02
2030.0	0.00	0.0	1.1	1.1	0.01	635.02
2040.0	0.00	0.0	1.1	1.1	0.01	635.02
2050.0	0.00	0.0	1.1	1.1	0.01	635.02
2060.0	0.00	0.0	1.0	1.1	0.01	635.02
2070.0	0.00	0.0	1.0	1.0	0.01	635.02
2080.0	0.00	0.0	1.0	1.0	0.01	635.02
2090.0	0.00	0.0	1.0	1.0	0.01	635.02
2100.0	0.00	0.0	1.0	1.0	0.01	635.02
2110.0	0.00	0.0	0.9	1.0	0.01	635.02
2120.0	0.00	0.0	0.9	0.9	0.01	635.02
2130.0	0.00	0.0	0.9	0.9	0.01	635.02
2140.0	0.00	0.0	0.9	0.9	0.01	635.02
2150.0	0.00	0.0	0.9	0.9	0.01	635.02
2160.0	0.00	0.0	0.9	0.9	0.01	635.02
2170.0	0.00	0.0	0.8	0.9	0.01	635.02
2180.0	0.00	0.0	0.8	0.8	0.01	635.02
2190.0	0.00	0.0	0.8	0.8	0.01	635.02
2200.0	0.00	0.0	0.8	0.8	0.01	635.02
2210.0	0.00	0.0	0.8	0.8	0.01	635.02
2220.0	0.00	0.0	0.8	0.8	0.01	635.01
2230.0	0.00	0.0	0.8	0.8	0.01	635.01
2240.0	0.00	0.0	0.7	0.8	0.01	635.01
2250.0	0.00	0.0	0.7	0.7	0.01	635.01
2260.0	0.00	0.0	0.7	0.7	0.01	635.01
2270.0	0.00	0.0	0.7	0.7	0.01	635.01
2280.0	0.00	0.0	0.7	0.7	0.01	635.01

nd File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	0.7	0.7	0.01	635.01
2300.0	0.00	0.0	0.7	0.7	0.01	635.01
2310.0	0.00	0.0	0.6	0.7	0.01	635.01
2320.0	0.00	0.0	0.6	0.6	0.01	635.01
2330.0	0.00	0.0	0.6	0.6	0.01	635.01
2340.0	0.00	0.0	0.6	0.6	0.01	635.01
2350.0	0.00	0.0	0.6	0.6	0.01	635.01
2360.0	0.00	0.0	0.6	0.6	0.01	635.01
2370.0	0.00	0.0	0.6	0.6	0.01	635.01
2380.0	0.00	0.0	0.6	0.6	0.01	635.01
2390.0	0.00	0.0	0.6	0.6	0.01	635.01
2400.0	0.00	0.0	0.5	0.6	0.01	635.01
2410.0	0.00	0.0	0.5	0.5	0.01	635.01
2420.0	0.00	0.0	0.5	0.5	0.01	635.01
2430.0	0.00	0.0	0.5	0.5	0.00	635.01
2440.0	0.00	0.0	0.5	0.5	0.00	635.01
2450.0	0.00	0.0	0.5	0.5	0.00	635.01
2460.0	0.00	0.0	0.5	0.5	0.00	635.01
2470.0	0.00	0.0	0.5	0.5	0.00	635.01
2480.0	0.00	0.0	0.5	0.5	0.00	635.01
2490.0	0.00	0.0	0.5	0.5	0.00	635.01
2500.0	0.00	0.0	0.5	0.5	0.00	635.01
2510.0	0.00	0.0	0.4	0.5	0.00	635.01
2520.0	0.00	0.0	0.4	0.4	0.00	635.01
2530.0	0.00	0.0	0.4	0.4	0.00	635.01
2540.0	0.00	0.0	0.4	0.4	0.00	635.01
2550.0	0.00	0.0	0.4	0.4	0.00	635.01
2560.0	0.00	0.0	0.4	0.4	0.00	635.01
2570.0	0.00	0.0	0.4	0.4	0.00	635.01
2580.0	0.00	0.0	0.4	0.4	0.00	635.01
2590.0	0.00	0.0	0.4	0.4	0.00	635.01
2600.0	0.00	0.0	0.4	0.4	0.00	635.01
2610.0	0.00	0.0	0.4	0.4	0.00	635.01
2620.0	0.00	0.0	0.4	0.4	0.00	635.01
2630.0	0.00	0.0	0.4	0.4	0.00	635.01
2640.0	0.00	0.0	0.3	0.4	0.00	635.01
2650.0	0.00	0.0	0.3	0.3	0.00	635.01
2660.0	0.00	0.0	0.3	0.3	0.00	635.01
2670.0	0.00	0.0	0.3	0.3	0.00	635.01
2680.0	0.00	0.0	0.3	0.3	0.00	635.01
2690.0	0.00	0.0	0.3	0.3	0.00	635.01
2700.0	0.00	0.0	0.3	0.3	0.00	635.01
2710.0	0.00	0.0	0.3	0.3	0.00	635.01
2720.0	0.00	0.0	0.3	0.3	0.00	635.01
2730.0	0.00	0.0	0.3	0.3	0.00	635.01
2740.0	0.00	0.0	0.3	0.3	0.00	635.01

and File: J:\data\0203043\BASIN1 .PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	0.3	0.3	0.00	635.01
2760.0	0.00	0.0	0.3	0.3	0.00	635.01
2770.0	0.00	0.0	0.3	0.3	0.00	635.01
2780.0	0.00	0.0	0.3	0.3	0.00	635.01
2790.0	0.00	0.0	0.3	0.3	0.00	635.00
2800.0	0.00	0.0	0.3	0.3	0.00	635.00
2810.0	0.00	0.0	0.2	0.3	0.00	635.00
2820.0	0.00	0.0	0.2	0.2	0.00	635.00
2830.0	0.00	0.0	0.2	0.2	0.00	635.00
2840.0	0.00	0.0	0.2	0.2	0.00	635.00
2850.0	0.00	0.0	0.2	0.2	0.00	635.00
2860.0	0.00	0.0	0.2	0.2	0.00	635.00
2870.0	0.00	0.0	0.2	0.2	0.00	635.00
2880.0	0.00	0.0	0.2	0.2	0.00	635.00
2890.0	0.00	0.0	0.2	0.2	0.00	635.00
2900.0	0.00	0.0	0.2	0.2	0.00	635.00
2910.0	0.00	0.0	0.2	0.2	0.00	635.00
2920.0	0.00	0.0	0.2	0.2	0.00	635.00
2930.0	0.00	0.0	0.2	0.2	0.00	635.00
2940.0	0.00	0.0	0.2	0.2	0.00	635.00
2950.0	0.00	0.0	0.2	0.2	0.00	635.00
2960.0	0.00	0.0	0.2	0.2	0.00	635.00
2970.0	0.00	0.0	0.2	0.2	0.00	635.00
2980.0	0.00	0.0	0.2	0.2	0.00	635.00
2990.0	0.00	0.0	0.2	0.2	0.00	635.00
3000.0	0.00	0.0	0.2	0.2	0.00	635.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN1 .PND
Inflow Hydrograph: J:\data\0203043\25B1 .HYD
Outflow Hydrograph: J:\data\0203043\B125 .HYD

Starting Pond W.S. Elevation = 635.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 17.96 cfs
Peak Outflow = 1.16 cfs
Peak Elevation = 636.24 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 20,645 cu-ft

Total Storage in Pond = 20,645 cu-ft

Outlet Structure File: BASIN1BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRAIRCHASE, 02-03-043
DETENTION BASIN #1
OVERFLOW STRUCTURE, BLOCKED LOW FLOW
11/11/02

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
637.00	0.0	3
637.20	3.4	3
637.40	9.5	3
637.60	16.3	4
637.80	20.4	4
638.00	23.8	4
638.20	26.8	4
638.40	29.5	4
638.60	31.9	4
638.80	34.2	4
639.00	36.4	4

Outlet Structure File: BASIN1BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRAIRCHASE, 02-03-043
DETENTION BASIN #1
OVERFLOW STRUCTURE, BLOCKED LOW FLOW
11/11/02

Outlet Structure File: J:\data\0203043\BASIN1BL.STR
Planimeter Input File: J:\data\0203043\BASIN1 .VOL
Rating Table Output File: J:\data\0203043\BASIN1BL.PND

Min. Elev.(ft) = 637 Max. Elev.(ft) = 639 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
J:\data\0203043\BASIN1BL.PND

Outlet Structure File: BASIN1BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

```
*****  
      BRAIRCHASE, 02-03-043  
      DETENTION BASIN #1  
OVERFLOW STRUCTURE, BLOCKED LOW FLOW  
      11/11/02  
*****
```

>>>>> Structure No. 4 <<<<<<
 (Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	637.5
E2 elev.(ft)?	639.001
Orifice coeff.?	.6
Invert elev.(ft)?	637
Datum elev.(ft) ?	637.25
Orifice area (sq ft)?	5.71

```

*****
*
*          BRIARCHASE          *
*  DETENTION BASIN #1        *
*   BLOCKED LOW FLOW         *
*
*
*
*****
    
```

Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Rating Table file: J:\data\0203043\BASIN1BL.PND

----INITIAL CONDITIONS----

Elevation = 637.00 ft
 Outflow = 0.00 cfs
 Storage = 34,788 cu-ft

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
637.00	0.0	34,788
637.20	3.4	38,698
637.40	9.5	42,686
637.60	16.3	46,753
637.80	20.4	50,902
638.00	23.8	55,133
638.20	26.8	59,445
638.40	29.5	63,838
638.60	31.9	68,312
638.80	34.2	72,870
639.00	36.4	77,512

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
116.0	116.0
129.0	132.4
142.3	151.8
155.8	172.1
169.7	190.1
183.8	207.6
198.1	224.9
212.8	242.3
227.7	259.6
242.9	277.1
258.4	294.8

Time increment (t) = 10.0 min.

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	----	116.0	116.0	0.00	637.00
10.0	8.94	8.9	121.2	124.9	1.85	637.11
20.0	8.94	17.9	128.1	139.1	5.50	637.27
30.0	0.00	8.9	127.3	137.0	4.85	637.25
40.0	0.00	0.0	122.6	127.3	2.35	637.14
50.0	0.00	0.0	119.9	122.6	1.38	637.08
60.0	0.00	0.0	118.2	119.9	0.81	637.05
70.0	0.00	0.0	117.3	118.2	0.47	637.03
80.0	0.00	0.0	116.7	117.3	0.28	637.02
90.0	0.00	0.0	116.4	116.7	0.16	637.01
100.0	0.00	0.0	116.2	116.4	0.10	637.01
110.0	0.00	0.0	116.1	116.2	0.06	637.00
120.0	0.00	0.0	116.1	116.1	0.03	637.00
130.0	0.00	0.0	116.0	116.1	0.02	637.00
140.0	0.00	0.0	116.0	116.0	0.01	637.00
150.0	0.00	0.0	116.0	116.0	0.01	637.00
160.0	0.00	0.0	116.0	116.0	0.00	637.00
170.0	0.00	0.0	116.0	116.0	0.00	637.00
180.0	0.00	0.0	116.0	116.0	0.00	637.00
190.0	0.00	0.0	116.0	116.0	0.00	637.00
200.0	0.00	0.0	116.0	116.0	0.00	637.00
210.0	0.00	0.0	116.0	116.0	0.00	637.00
220.0	0.00	0.0	116.0	116.0	0.00	637.00
230.0	0.00	0.0	116.0	116.0	0.00	637.00
240.0	0.00	0.0	116.0	116.0	0.00	637.00
250.0	0.00	0.0	116.0	116.0	0.00	637.00
260.0	0.00	0.0	116.0	116.0	0.00	637.00
270.0	0.00	0.0	116.0	116.0	0.00	637.00
280.0	0.00	0.0	116.0	116.0	0.00	637.00
290.0	0.00	0.0	116.0	116.0	0.00	637.00
300.0	0.00	0.0	116.0	116.0	0.00	637.00
310.0	0.00	0.0	116.0	116.0	0.00	637.00
320.0	0.00	0.0	116.0	116.0	0.00	637.00
330.0	0.00	0.0	116.0	116.0	0.00	637.00
340.0	0.00	0.0	116.0	116.0	0.00	637.00
350.0	0.00	0.0	116.0	116.0	0.00	637.00
360.0	0.00	0.0	116.0	116.0	0.00	637.00
370.0	0.00	0.0	116.0	116.0	0.00	637.00
380.0	0.00	0.0	116.0	116.0	0.00	637.00
390.0	0.00	0.0	116.0	116.0	0.00	637.00
400.0	0.00	0.0	116.0	116.0	0.00	637.00
410.0	0.00	0.0	116.0	116.0	0.00	637.00
420.0	0.00	0.0	116.0	116.0	0.00	637.00
430.0	0.00	0.0	116.0	116.0	0.00	637.00
440.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	116.0	116.0	0.00	637.00
460.0	0.00	0.0	116.0	116.0	0.00	637.00
470.0	0.00	0.0	116.0	116.0	0.00	637.00
480.0	0.00	0.0	116.0	116.0	0.00	637.00
490.0	0.00	0.0	116.0	116.0	0.00	637.00
500.0	0.00	0.0	116.0	116.0	0.00	637.00
510.0	0.00	0.0	116.0	116.0	0.00	637.00
520.0	0.00	0.0	116.0	116.0	0.00	637.00
530.0	0.00	0.0	116.0	116.0	0.00	637.00
540.0	0.00	0.0	116.0	116.0	0.00	637.00
550.0	0.00	0.0	116.0	116.0	0.00	637.00
560.0	0.00	0.0	116.0	116.0	0.00	637.00
570.0	0.00	0.0	116.0	116.0	0.00	637.00
580.0	0.00	0.0	116.0	116.0	0.00	637.00
590.0	0.00	0.0	116.0	116.0	0.00	637.00
600.0	0.00	0.0	116.0	116.0	0.00	637.00
610.0	0.00	0.0	116.0	116.0	0.00	637.00
620.0	0.00	0.0	116.0	116.0	0.00	637.00
630.0	0.00	0.0	116.0	116.0	0.00	637.00
640.0	0.00	0.0	116.0	116.0	0.00	637.00
650.0	0.00	0.0	116.0	116.0	0.00	637.00
660.0	0.00	0.0	116.0	116.0	0.00	637.00
670.0	0.00	0.0	116.0	116.0	0.00	637.00
680.0	0.00	0.0	116.0	116.0	0.00	637.00
690.0	0.00	0.0	116.0	116.0	0.00	637.00
700.0	0.00	0.0	116.0	116.0	0.00	637.00
710.0	0.00	0.0	116.0	116.0	0.00	637.00
720.0	0.00	0.0	116.0	116.0	0.00	637.00
730.0	0.00	0.0	116.0	116.0	0.00	637.00
740.0	0.00	0.0	116.0	116.0	0.00	637.00
750.0	0.00	0.0	116.0	116.0	0.00	637.00
760.0	0.00	0.0	116.0	116.0	0.00	637.00
770.0	0.00	0.0	116.0	116.0	0.00	637.00
780.0	0.00	0.0	116.0	116.0	0.00	637.00
790.0	0.00	0.0	116.0	116.0	0.00	637.00
800.0	0.00	0.0	116.0	116.0	0.00	637.00
810.0	0.00	0.0	116.0	116.0	0.00	637.00
820.0	0.00	0.0	116.0	116.0	0.00	637.00
830.0	0.00	0.0	116.0	116.0	0.00	637.00
840.0	0.00	0.0	116.0	116.0	0.00	637.00
850.0	0.00	0.0	116.0	116.0	0.00	637.00
860.0	0.00	0.0	116.0	116.0	0.00	637.00
870.0	0.00	0.0	116.0	116.0	0.00	637.00
880.0	0.00	0.0	116.0	116.0	0.00	637.00
890.0	0.00	0.0	116.0	116.0	0.00	637.00
900.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	116.0	116.0	0.00	637.00
920.0	0.00	0.0	116.0	116.0	0.00	637.00
930.0	0.00	0.0	116.0	116.0	0.00	637.00
940.0	0.00	0.0	116.0	116.0	0.00	637.00
950.0	0.00	0.0	116.0	116.0	0.00	637.00
960.0	0.00	0.0	116.0	116.0	0.00	637.00
970.0	0.00	0.0	116.0	116.0	0.00	637.00
980.0	0.00	0.0	116.0	116.0	0.00	637.00
990.0	0.00	0.0	116.0	116.0	0.00	637.00
1000.0	0.00	0.0	116.0	116.0	0.00	637.00
1010.0	0.00	0.0	116.0	116.0	0.00	637.00
1020.0	0.00	0.0	116.0	116.0	0.00	637.00
1030.0	0.00	0.0	116.0	116.0	0.00	637.00
1040.0	0.00	0.0	116.0	116.0	0.00	637.00
1050.0	0.00	0.0	116.0	116.0	0.00	637.00
1060.0	0.00	0.0	116.0	116.0	0.00	637.00
1070.0	0.00	0.0	116.0	116.0	0.00	637.00
1080.0	0.00	0.0	116.0	116.0	0.00	637.00
1090.0	0.00	0.0	116.0	116.0	0.00	637.00
1100.0	0.00	0.0	116.0	116.0	0.00	637.00
1110.0	0.00	0.0	116.0	116.0	0.00	637.00
1120.0	0.00	0.0	116.0	116.0	0.00	637.00
1130.0	0.00	0.0	116.0	116.0	0.00	637.00
1140.0	0.00	0.0	116.0	116.0	0.00	637.00
1150.0	0.00	0.0	116.0	116.0	0.00	637.00
1160.0	0.00	0.0	116.0	116.0	0.00	637.00
1170.0	0.00	0.0	116.0	116.0	0.00	637.00
1180.0	0.00	0.0	116.0	116.0	0.00	637.00
1190.0	0.00	0.0	116.0	116.0	0.00	637.00
1200.0	0.00	0.0	116.0	116.0	0.00	637.00
1210.0	0.00	0.0	116.0	116.0	0.00	637.00
1220.0	0.00	0.0	116.0	116.0	0.00	637.00
1230.0	0.00	0.0	116.0	116.0	0.00	637.00
1240.0	0.00	0.0	116.0	116.0	0.00	637.00
1250.0	0.00	0.0	116.0	116.0	0.00	637.00
1260.0	0.00	0.0	116.0	116.0	0.00	637.00
1270.0	0.00	0.0	116.0	116.0	0.00	637.00
1280.0	0.00	0.0	116.0	116.0	0.00	637.00
1290.0	0.00	0.0	116.0	116.0	0.00	637.00
1300.0	0.00	0.0	116.0	116.0	0.00	637.00
1310.0	0.00	0.0	116.0	116.0	0.00	637.00
1320.0	0.00	0.0	116.0	116.0	0.00	637.00
1330.0	0.00	0.0	116.0	116.0	0.00	637.00
1340.0	0.00	0.0	116.0	116.0	0.00	637.00
1350.0	0.00	0.0	116.0	116.0	0.00	637.00
1360.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	116.0	116.0	0.00	637.00
1380.0	0.00	0.0	116.0	116.0	0.00	637.00
1390.0	0.00	0.0	116.0	116.0	0.00	637.00
1400.0	0.00	0.0	116.0	116.0	0.00	637.00
1410.0	0.00	0.0	116.0	116.0	0.00	637.00
1420.0	0.00	0.0	116.0	116.0	0.00	637.00
1430.0	0.00	0.0	116.0	116.0	0.00	637.00
1440.0	0.00	0.0	116.0	116.0	0.00	637.00
1450.0	0.00	0.0	116.0	116.0	0.00	637.00
1460.0	0.00	0.0	116.0	116.0	0.00	637.00
1470.0	0.00	0.0	116.0	116.0	0.00	637.00
1480.0	0.00	0.0	116.0	116.0	0.00	637.00
1490.0	0.00	0.0	116.0	116.0	0.00	637.00
1500.0	0.00	0.0	116.0	116.0	0.00	637.00
1510.0	0.00	0.0	116.0	116.0	0.00	637.00
1520.0	0.00	0.0	116.0	116.0	0.00	637.00
1530.0	0.00	0.0	116.0	116.0	0.00	637.00
1540.0	0.00	0.0	116.0	116.0	0.00	637.00
1550.0	0.00	0.0	116.0	116.0	0.00	637.00
1560.0	0.00	0.0	116.0	116.0	0.00	637.00
1570.0	0.00	0.0	116.0	116.0	0.00	637.00
1580.0	0.00	0.0	116.0	116.0	0.00	637.00
1590.0	0.00	0.0	116.0	116.0	0.00	637.00
1600.0	0.00	0.0	116.0	116.0	0.00	637.00
1610.0	0.00	0.0	116.0	116.0	0.00	637.00
1620.0	0.00	0.0	116.0	116.0	0.00	637.00
1630.0	0.00	0.0	116.0	116.0	0.00	637.00
1640.0	0.00	0.0	116.0	116.0	0.00	637.00
1650.0	0.00	0.0	116.0	116.0	0.00	637.00
1660.0	0.00	0.0	116.0	116.0	0.00	637.00
1670.0	0.00	0.0	116.0	116.0	0.00	637.00
1680.0	0.00	0.0	116.0	116.0	0.00	637.00
1690.0	0.00	0.0	116.0	116.0	0.00	637.00
1700.0	0.00	0.0	116.0	116.0	0.00	637.00
1710.0	0.00	0.0	116.0	116.0	0.00	637.00
1720.0	0.00	0.0	116.0	116.0	0.00	637.00
1730.0	0.00	0.0	116.0	116.0	0.00	637.00
1740.0	0.00	0.0	116.0	116.0	0.00	637.00
1750.0	0.00	0.0	116.0	116.0	0.00	637.00
1760.0	0.00	0.0	116.0	116.0	0.00	637.00
1770.0	0.00	0.0	116.0	116.0	0.00	637.00
1780.0	0.00	0.0	116.0	116.0	0.00	637.00
1790.0	0.00	0.0	116.0	116.0	0.00	637.00
1800.0	0.00	0.0	116.0	116.0	0.00	637.00
1810.0	0.00	0.0	116.0	116.0	0.00	637.00
1820.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	116.0	116.0	0.00	637.00
1840.0	0.00	0.0	116.0	116.0	0.00	637.00
1850.0	0.00	0.0	116.0	116.0	0.00	637.00
1860.0	0.00	0.0	116.0	116.0	0.00	637.00
1870.0	0.00	0.0	116.0	116.0	0.00	637.00
1880.0	0.00	0.0	116.0	116.0	0.00	637.00
1890.0	0.00	0.0	116.0	116.0	0.00	637.00
1900.0	0.00	0.0	116.0	116.0	0.00	637.00
1910.0	0.00	0.0	116.0	116.0	0.00	637.00
1920.0	0.00	0.0	116.0	116.0	0.00	637.00
1930.0	0.00	0.0	116.0	116.0	0.00	637.00
1940.0	0.00	0.0	116.0	116.0	0.00	637.00
1950.0	0.00	0.0	116.0	116.0	0.00	637.00
1960.0	0.00	0.0	116.0	116.0	0.00	637.00
1970.0	0.00	0.0	116.0	116.0	0.00	637.00
1980.0	0.00	0.0	116.0	116.0	0.00	637.00
1990.0	0.00	0.0	116.0	116.0	0.00	637.00
2000.0	0.00	0.0	116.0	116.0	0.00	637.00
2010.0	0.00	0.0	116.0	116.0	0.00	637.00
2020.0	0.00	0.0	116.0	116.0	0.00	637.00
2030.0	0.00	0.0	116.0	116.0	0.00	637.00
2040.0	0.00	0.0	116.0	116.0	0.00	637.00
2050.0	0.00	0.0	116.0	116.0	0.00	637.00
2060.0	0.00	0.0	116.0	116.0	0.00	637.00
2070.0	0.00	0.0	116.0	116.0	0.00	637.00
2080.0	0.00	0.0	116.0	116.0	0.00	637.00
2090.0	0.00	0.0	116.0	116.0	0.00	637.00
2100.0	0.00	0.0	116.0	116.0	0.00	637.00
2110.0	0.00	0.0	116.0	116.0	0.00	637.00
2120.0	0.00	0.0	116.0	116.0	0.00	637.00
2130.0	0.00	0.0	116.0	116.0	0.00	637.00
2140.0	0.00	0.0	116.0	116.0	0.00	637.00
2150.0	0.00	0.0	116.0	116.0	0.00	637.00
2160.0	0.00	0.0	116.0	116.0	0.00	637.00
2170.0	0.00	0.0	116.0	116.0	0.00	637.00
2180.0	0.00	0.0	116.0	116.0	0.00	637.00
2190.0	0.00	0.0	116.0	116.0	0.00	637.00
2200.0	0.00	0.0	116.0	116.0	0.00	637.00
2210.0	0.00	0.0	116.0	116.0	0.00	637.00
2220.0	0.00	0.0	116.0	116.0	0.00	637.00
2230.0	0.00	0.0	116.0	116.0	0.00	637.00
2240.0	0.00	0.0	116.0	116.0	0.00	637.00
2250.0	0.00	0.0	116.0	116.0	0.00	637.00
2260.0	0.00	0.0	116.0	116.0	0.00	637.00
2270.0	0.00	0.0	116.0	116.0	0.00	637.00
2280.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	116.0	116.0	0.00	637.00
2300.0	0.00	0.0	116.0	116.0	0.00	637.00
2310.0	0.00	0.0	116.0	116.0	0.00	637.00
2320.0	0.00	0.0	116.0	116.0	0.00	637.00
2330.0	0.00	0.0	116.0	116.0	0.00	637.00
2340.0	0.00	0.0	116.0	116.0	0.00	637.00
2350.0	0.00	0.0	116.0	116.0	0.00	637.00
2360.0	0.00	0.0	116.0	116.0	0.00	637.00
2370.0	0.00	0.0	116.0	116.0	0.00	637.00
2380.0	0.00	0.0	116.0	116.0	0.00	637.00
2390.0	0.00	0.0	116.0	116.0	0.00	637.00
2400.0	0.00	0.0	116.0	116.0	0.00	637.00
2410.0	0.00	0.0	116.0	116.0	0.00	637.00
2420.0	0.00	0.0	116.0	116.0	0.00	637.00
2430.0	0.00	0.0	116.0	116.0	0.00	637.00
2440.0	0.00	0.0	116.0	116.0	0.00	637.00
2450.0	0.00	0.0	116.0	116.0	0.00	637.00
2460.0	0.00	0.0	116.0	116.0	0.00	637.00
2470.0	0.00	0.0	116.0	116.0	0.00	637.00
2480.0	0.00	0.0	116.0	116.0	0.00	637.00
2490.0	0.00	0.0	116.0	116.0	0.00	637.00
2500.0	0.00	0.0	116.0	116.0	0.00	637.00
2510.0	0.00	0.0	116.0	116.0	0.00	637.00
2520.0	0.00	0.0	116.0	116.0	0.00	637.00
2530.0	0.00	0.0	116.0	116.0	0.00	637.00
2540.0	0.00	0.0	116.0	116.0	0.00	637.00
2550.0	0.00	0.0	116.0	116.0	0.00	637.00
2560.0	0.00	0.0	116.0	116.0	0.00	637.00
2570.0	0.00	0.0	116.0	116.0	0.00	637.00
2580.0	0.00	0.0	116.0	116.0	0.00	637.00
2590.0	0.00	0.0	116.0	116.0	0.00	637.00
2600.0	0.00	0.0	116.0	116.0	0.00	637.00
2610.0	0.00	0.0	116.0	116.0	0.00	637.00
2620.0	0.00	0.0	116.0	116.0	0.00	637.00
2630.0	0.00	0.0	116.0	116.0	0.00	637.00
2640.0	0.00	0.0	116.0	116.0	0.00	637.00
2650.0	0.00	0.0	116.0	116.0	0.00	637.00
2660.0	0.00	0.0	116.0	116.0	0.00	637.00
2670.0	0.00	0.0	116.0	116.0	0.00	637.00
2680.0	0.00	0.0	116.0	116.0	0.00	637.00
2690.0	0.00	0.0	116.0	116.0	0.00	637.00
2700.0	0.00	0.0	116.0	116.0	0.00	637.00
2710.0	0.00	0.0	116.0	116.0	0.00	637.00
2720.0	0.00	0.0	116.0	116.0	0.00	637.00
2730.0	0.00	0.0	116.0	116.0	0.00	637.00
2740.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\02B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B102BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	116.0	116.0	0.00	637.00
2760.0	0.00	0.0	116.0	116.0	0.00	637.00
2770.0	0.00	0.0	116.0	116.0	0.00	637.00
2780.0	0.00	0.0	116.0	116.0	0.00	637.00
2790.0	0.00	0.0	116.0	116.0	0.00	637.00
2800.0	0.00	0.0	116.0	116.0	0.00	637.00
2810.0	0.00	0.0	116.0	116.0	0.00	637.00
2820.0	0.00	0.0	116.0	116.0	0.00	637.00
2830.0	0.00	0.0	116.0	116.0	0.00	637.00
2840.0	0.00	0.0	116.0	116.0	0.00	637.00
2850.0	0.00	0.0	116.0	116.0	0.00	637.00
2860.0	0.00	0.0	116.0	116.0	0.00	637.00
2870.0	0.00	0.0	116.0	116.0	0.00	637.00
2880.0	0.00	0.0	116.0	116.0	0.00	637.00
2890.0	0.00	0.0	116.0	116.0	0.00	637.00
2900.0	0.00	0.0	116.0	116.0	0.00	637.00
2910.0	0.00	0.0	116.0	116.0	0.00	637.00
2920.0	0.00	0.0	116.0	116.0	0.00	637.00
2930.0	0.00	0.0	116.0	116.0	0.00	637.00
2940.0	0.00	0.0	116.0	116.0	0.00	637.00
2950.0	0.00	0.0	116.0	116.0	0.00	637.00
2960.0	0.00	0.0	116.0	116.0	0.00	637.00
2970.0	0.00	0.0	116.0	116.0	0.00	637.00
2980.0	0.00	0.0	116.0	116.0	0.00	637.00
2990.0	0.00	0.0	116.0	116.0	0.00	637.00
3000.0	0.00	0.0	116.0	116.0	0.00	637.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN1BL.PND
Inflow Hydrograph: J:\data\0203043\02B1 .HYD
Outflow Hydrograph: J:\data\0203043\B102BL .HYD

Starting Pond W.S. Elevation = 637.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 8.94 cfs
Peak Outflow = 5.50 cfs
Peak Elevation = 637.27 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 34,788 cu-ft
Peak Storage From Storm = 5,285 cu-ft

Total Storage in Pond = 40,073 cu-ft

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*****
*
*          BRIARCHASE          *
*  DETENTION BASIN #1        *
*   BLOCKED LOW FLOW         *
*
*
*
*****
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Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Rating Table file: J:\data\0203043\BASIN1BL.PND

----INITIAL CONDITIONS----

Elevation = 637.00 ft
 Outflow = 0.00 cfs
 Storage = 34,788 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
637.00	0.0	34,788	116.0	116.0
637.20	3.4	38,698	129.0	132.4
637.40	9.5	42,686	142.3	151.8
637.60	16.3	46,753	155.8	172.1
637.80	20.4	50,902	169.7	190.1
638.00	23.8	55,133	183.8	207.6
638.20	26.8	59,445	198.1	224.9
638.40	29.5	63,838	212.8	242.3
638.60	31.9	68,312	227.7	259.6
638.80	34.2	72,870	242.9	277.1
639.00	36.4	77,512	258.4	294.8

Time increment (t) = 10.0 min.

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	116.0	116.0	0.00	637.00
10.0	14.56	14.6	124.5	130.5	3.01	637.18
20.0	14.56	29.1	133.4	153.6	10.11	637.42
30.0	0.00	14.6	131.4	148.0	8.29	637.36
40.0	0.00	0.0	125.0	131.4	3.19	637.19
50.0	0.00	0.0	121.3	125.0	1.87	637.11
60.0	0.00	0.0	119.1	121.3	1.10	637.06
70.0	0.00	0.0	117.8	119.1	0.64	637.04
80.0	0.00	0.0	117.0	117.8	0.38	637.02
90.0	0.00	0.0	116.6	117.0	0.22	637.01
100.0	0.00	0.0	116.3	116.6	0.13	637.01
110.0	0.00	0.0	116.2	116.3	0.08	637.00
120.0	0.00	0.0	116.1	116.2	0.04	637.00
130.0	0.00	0.0	116.0	116.1	0.03	637.00
140.0	0.00	0.0	116.0	116.0	0.02	637.00
150.0	0.00	0.0	116.0	116.0	0.01	637.00
160.0	0.00	0.0	116.0	116.0	0.01	637.00
170.0	0.00	0.0	116.0	116.0	0.00	637.00
180.0	0.00	0.0	116.0	116.0	0.00	637.00
190.0	0.00	0.0	116.0	116.0	0.00	637.00
200.0	0.00	0.0	116.0	116.0	0.00	637.00
210.0	0.00	0.0	116.0	116.0	0.00	637.00
220.0	0.00	0.0	116.0	116.0	0.00	637.00
230.0	0.00	0.0	116.0	116.0	0.00	637.00
240.0	0.00	0.0	116.0	116.0	0.00	637.00
250.0	0.00	0.0	116.0	116.0	0.00	637.00
260.0	0.00	0.0	116.0	116.0	0.00	637.00
270.0	0.00	0.0	116.0	116.0	0.00	637.00
280.0	0.00	0.0	116.0	116.0	0.00	637.00
290.0	0.00	0.0	116.0	116.0	0.00	637.00
300.0	0.00	0.0	116.0	116.0	0.00	637.00
310.0	0.00	0.0	116.0	116.0	0.00	637.00
320.0	0.00	0.0	116.0	116.0	0.00	637.00
330.0	0.00	0.0	116.0	116.0	0.00	637.00
340.0	0.00	0.0	116.0	116.0	0.00	637.00
350.0	0.00	0.0	116.0	116.0	0.00	637.00
360.0	0.00	0.0	116.0	116.0	0.00	637.00
370.0	0.00	0.0	116.0	116.0	0.00	637.00
380.0	0.00	0.0	116.0	116.0	0.00	637.00
390.0	0.00	0.0	116.0	116.0	0.00	637.00
400.0	0.00	0.0	116.0	116.0	0.00	637.00
410.0	0.00	0.0	116.0	116.0	0.00	637.00
420.0	0.00	0.0	116.0	116.0	0.00	637.00
430.0	0.00	0.0	116.0	116.0	0.00	637.00
440.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	116.0	116.0	0.00	637.00
460.0	0.00	0.0	116.0	116.0	0.00	637.00
470.0	0.00	0.0	116.0	116.0	0.00	637.00
480.0	0.00	0.0	116.0	116.0	0.00	637.00
490.0	0.00	0.0	116.0	116.0	0.00	637.00
500.0	0.00	0.0	116.0	116.0	0.00	637.00
510.0	0.00	0.0	116.0	116.0	0.00	637.00
520.0	0.00	0.0	116.0	116.0	0.00	637.00
530.0	0.00	0.0	116.0	116.0	0.00	637.00
540.0	0.00	0.0	116.0	116.0	0.00	637.00
550.0	0.00	0.0	116.0	116.0	0.00	637.00
560.0	0.00	0.0	116.0	116.0	0.00	637.00
570.0	0.00	0.0	116.0	116.0	0.00	637.00
580.0	0.00	0.0	116.0	116.0	0.00	637.00
590.0	0.00	0.0	116.0	116.0	0.00	637.00
600.0	0.00	0.0	116.0	116.0	0.00	637.00
610.0	0.00	0.0	116.0	116.0	0.00	637.00
620.0	0.00	0.0	116.0	116.0	0.00	637.00
630.0	0.00	0.0	116.0	116.0	0.00	637.00
640.0	0.00	0.0	116.0	116.0	0.00	637.00
650.0	0.00	0.0	116.0	116.0	0.00	637.00
660.0	0.00	0.0	116.0	116.0	0.00	637.00
670.0	0.00	0.0	116.0	116.0	0.00	637.00
680.0	0.00	0.0	116.0	116.0	0.00	637.00
690.0	0.00	0.0	116.0	116.0	0.00	637.00
700.0	0.00	0.0	116.0	116.0	0.00	637.00
710.0	0.00	0.0	116.0	116.0	0.00	637.00
720.0	0.00	0.0	116.0	116.0	0.00	637.00
730.0	0.00	0.0	116.0	116.0	0.00	637.00
740.0	0.00	0.0	116.0	116.0	0.00	637.00
750.0	0.00	0.0	116.0	116.0	0.00	637.00
760.0	0.00	0.0	116.0	116.0	0.00	637.00
770.0	0.00	0.0	116.0	116.0	0.00	637.00
780.0	0.00	0.0	116.0	116.0	0.00	637.00
790.0	0.00	0.0	116.0	116.0	0.00	637.00
800.0	0.00	0.0	116.0	116.0	0.00	637.00
810.0	0.00	0.0	116.0	116.0	0.00	637.00
820.0	0.00	0.0	116.0	116.0	0.00	637.00
830.0	0.00	0.0	116.0	116.0	0.00	637.00
840.0	0.00	0.0	116.0	116.0	0.00	637.00
850.0	0.00	0.0	116.0	116.0	0.00	637.00
860.0	0.00	0.0	116.0	116.0	0.00	637.00
870.0	0.00	0.0	116.0	116.0	0.00	637.00
880.0	0.00	0.0	116.0	116.0	0.00	637.00
890.0	0.00	0.0	116.0	116.0	0.00	637.00
900.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	116.0	116.0	0.00	637.00
920.0	0.00	0.0	116.0	116.0	0.00	637.00
930.0	0.00	0.0	116.0	116.0	0.00	637.00
940.0	0.00	0.0	116.0	116.0	0.00	637.00
950.0	0.00	0.0	116.0	116.0	0.00	637.00
960.0	0.00	0.0	116.0	116.0	0.00	637.00
970.0	0.00	0.0	116.0	116.0	0.00	637.00
980.0	0.00	0.0	116.0	116.0	0.00	637.00
990.0	0.00	0.0	116.0	116.0	0.00	637.00
1000.0	0.00	0.0	116.0	116.0	0.00	637.00
1010.0	0.00	0.0	116.0	116.0	0.00	637.00
1020.0	0.00	0.0	116.0	116.0	0.00	637.00
1030.0	0.00	0.0	116.0	116.0	0.00	637.00
1040.0	0.00	0.0	116.0	116.0	0.00	637.00
1050.0	0.00	0.0	116.0	116.0	0.00	637.00
1060.0	0.00	0.0	116.0	116.0	0.00	637.00
1070.0	0.00	0.0	116.0	116.0	0.00	637.00
1080.0	0.00	0.0	116.0	116.0	0.00	637.00
1090.0	0.00	0.0	116.0	116.0	0.00	637.00
1100.0	0.00	0.0	116.0	116.0	0.00	637.00
1110.0	0.00	0.0	116.0	116.0	0.00	637.00
1120.0	0.00	0.0	116.0	116.0	0.00	637.00
1130.0	0.00	0.0	116.0	116.0	0.00	637.00
1140.0	0.00	0.0	116.0	116.0	0.00	637.00
1150.0	0.00	0.0	116.0	116.0	0.00	637.00
1160.0	0.00	0.0	116.0	116.0	0.00	637.00
1170.0	0.00	0.0	116.0	116.0	0.00	637.00
1180.0	0.00	0.0	116.0	116.0	0.00	637.00
1190.0	0.00	0.0	116.0	116.0	0.00	637.00
1200.0	0.00	0.0	116.0	116.0	0.00	637.00
1210.0	0.00	0.0	116.0	116.0	0.00	637.00
1220.0	0.00	0.0	116.0	116.0	0.00	637.00
1230.0	0.00	0.0	116.0	116.0	0.00	637.00
1240.0	0.00	0.0	116.0	116.0	0.00	637.00
1250.0	0.00	0.0	116.0	116.0	0.00	637.00
1260.0	0.00	0.0	116.0	116.0	0.00	637.00
1270.0	0.00	0.0	116.0	116.0	0.00	637.00
1280.0	0.00	0.0	116.0	116.0	0.00	637.00
1290.0	0.00	0.0	116.0	116.0	0.00	637.00
1300.0	0.00	0.0	116.0	116.0	0.00	637.00
1310.0	0.00	0.0	116.0	116.0	0.00	637.00
1320.0	0.00	0.0	116.0	116.0	0.00	637.00
1330.0	0.00	0.0	116.0	116.0	0.00	637.00
1340.0	0.00	0.0	116.0	116.0	0.00	637.00
1350.0	0.00	0.0	116.0	116.0	0.00	637.00
1360.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	116.0	116.0	0.00	637.00
1380.0	0.00	0.0	116.0	116.0	0.00	637.00
1390.0	0.00	0.0	116.0	116.0	0.00	637.00
1400.0	0.00	0.0	116.0	116.0	0.00	637.00
1410.0	0.00	0.0	116.0	116.0	0.00	637.00
1420.0	0.00	0.0	116.0	116.0	0.00	637.00
1430.0	0.00	0.0	116.0	116.0	0.00	637.00
1440.0	0.00	0.0	116.0	116.0	0.00	637.00
1450.0	0.00	0.0	116.0	116.0	0.00	637.00
1460.0	0.00	0.0	116.0	116.0	0.00	637.00
1470.0	0.00	0.0	116.0	116.0	0.00	637.00
1480.0	0.00	0.0	116.0	116.0	0.00	637.00
1490.0	0.00	0.0	116.0	116.0	0.00	637.00
1500.0	0.00	0.0	116.0	116.0	0.00	637.00
1510.0	0.00	0.0	116.0	116.0	0.00	637.00
1520.0	0.00	0.0	116.0	116.0	0.00	637.00
1530.0	0.00	0.0	116.0	116.0	0.00	637.00
1540.0	0.00	0.0	116.0	116.0	0.00	637.00
1550.0	0.00	0.0	116.0	116.0	0.00	637.00
1560.0	0.00	0.0	116.0	116.0	0.00	637.00
1570.0	0.00	0.0	116.0	116.0	0.00	637.00
1580.0	0.00	0.0	116.0	116.0	0.00	637.00
1590.0	0.00	0.0	116.0	116.0	0.00	637.00
1600.0	0.00	0.0	116.0	116.0	0.00	637.00
1610.0	0.00	0.0	116.0	116.0	0.00	637.00
1620.0	0.00	0.0	116.0	116.0	0.00	637.00
1630.0	0.00	0.0	116.0	116.0	0.00	637.00
1640.0	0.00	0.0	116.0	116.0	0.00	637.00
1650.0	0.00	0.0	116.0	116.0	0.00	637.00
1660.0	0.00	0.0	116.0	116.0	0.00	637.00
1670.0	0.00	0.0	116.0	116.0	0.00	637.00
1680.0	0.00	0.0	116.0	116.0	0.00	637.00
1690.0	0.00	0.0	116.0	116.0	0.00	637.00
1700.0	0.00	0.0	116.0	116.0	0.00	637.00
1710.0	0.00	0.0	116.0	116.0	0.00	637.00
1720.0	0.00	0.0	116.0	116.0	0.00	637.00
1730.0	0.00	0.0	116.0	116.0	0.00	637.00
1740.0	0.00	0.0	116.0	116.0	0.00	637.00
1750.0	0.00	0.0	116.0	116.0	0.00	637.00
1760.0	0.00	0.0	116.0	116.0	0.00	637.00
1770.0	0.00	0.0	116.0	116.0	0.00	637.00
1780.0	0.00	0.0	116.0	116.0	0.00	637.00
1790.0	0.00	0.0	116.0	116.0	0.00	637.00
1800.0	0.00	0.0	116.0	116.0	0.00	637.00
1810.0	0.00	0.0	116.0	116.0	0.00	637.00
1820.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	116.0	116.0	0.00	637.00
1840.0	0.00	0.0	116.0	116.0	0.00	637.00
1850.0	0.00	0.0	116.0	116.0	0.00	637.00
1860.0	0.00	0.0	116.0	116.0	0.00	637.00
1870.0	0.00	0.0	116.0	116.0	0.00	637.00
1880.0	0.00	0.0	116.0	116.0	0.00	637.00
1890.0	0.00	0.0	116.0	116.0	0.00	637.00
1900.0	0.00	0.0	116.0	116.0	0.00	637.00
1910.0	0.00	0.0	116.0	116.0	0.00	637.00
1920.0	0.00	0.0	116.0	116.0	0.00	637.00
1930.0	0.00	0.0	116.0	116.0	0.00	637.00
1940.0	0.00	0.0	116.0	116.0	0.00	637.00
1950.0	0.00	0.0	116.0	116.0	0.00	637.00
1960.0	0.00	0.0	116.0	116.0	0.00	637.00
1970.0	0.00	0.0	116.0	116.0	0.00	637.00
1980.0	0.00	0.0	116.0	116.0	0.00	637.00
1990.0	0.00	0.0	116.0	116.0	0.00	637.00
2000.0	0.00	0.0	116.0	116.0	0.00	637.00
2010.0	0.00	0.0	116.0	116.0	0.00	637.00
2020.0	0.00	0.0	116.0	116.0	0.00	637.00
2030.0	0.00	0.0	116.0	116.0	0.00	637.00
2040.0	0.00	0.0	116.0	116.0	0.00	637.00
2050.0	0.00	0.0	116.0	116.0	0.00	637.00
2060.0	0.00	0.0	116.0	116.0	0.00	637.00
2070.0	0.00	0.0	116.0	116.0	0.00	637.00
2080.0	0.00	0.0	116.0	116.0	0.00	637.00
2090.0	0.00	0.0	116.0	116.0	0.00	637.00
2100.0	0.00	0.0	116.0	116.0	0.00	637.00
2110.0	0.00	0.0	116.0	116.0	0.00	637.00
2120.0	0.00	0.0	116.0	116.0	0.00	637.00
2130.0	0.00	0.0	116.0	116.0	0.00	637.00
2140.0	0.00	0.0	116.0	116.0	0.00	637.00
2150.0	0.00	0.0	116.0	116.0	0.00	637.00
2160.0	0.00	0.0	116.0	116.0	0.00	637.00
2170.0	0.00	0.0	116.0	116.0	0.00	637.00
2180.0	0.00	0.0	116.0	116.0	0.00	637.00
2190.0	0.00	0.0	116.0	116.0	0.00	637.00
2200.0	0.00	0.0	116.0	116.0	0.00	637.00
2210.0	0.00	0.0	116.0	116.0	0.00	637.00
2220.0	0.00	0.0	116.0	116.0	0.00	637.00
2230.0	0.00	0.0	116.0	116.0	0.00	637.00
2240.0	0.00	0.0	116.0	116.0	0.00	637.00
2250.0	0.00	0.0	116.0	116.0	0.00	637.00
2260.0	0.00	0.0	116.0	116.0	0.00	637.00
2270.0	0.00	0.0	116.0	116.0	0.00	637.00
2280.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	116.0	116.0	0.00	637.00
2300.0	0.00	0.0	116.0	116.0	0.00	637.00
2310.0	0.00	0.0	116.0	116.0	0.00	637.00
2320.0	0.00	0.0	116.0	116.0	0.00	637.00
2330.0	0.00	0.0	116.0	116.0	0.00	637.00
2340.0	0.00	0.0	116.0	116.0	0.00	637.00
2350.0	0.00	0.0	116.0	116.0	0.00	637.00
2360.0	0.00	0.0	116.0	116.0	0.00	637.00
2370.0	0.00	0.0	116.0	116.0	0.00	637.00
2380.0	0.00	0.0	116.0	116.0	0.00	637.00
2390.0	0.00	0.0	116.0	116.0	0.00	637.00
2400.0	0.00	0.0	116.0	116.0	0.00	637.00
2410.0	0.00	0.0	116.0	116.0	0.00	637.00
2420.0	0.00	0.0	116.0	116.0	0.00	637.00
2430.0	0.00	0.0	116.0	116.0	0.00	637.00
2440.0	0.00	0.0	116.0	116.0	0.00	637.00
2450.0	0.00	0.0	116.0	116.0	0.00	637.00
2460.0	0.00	0.0	116.0	116.0	0.00	637.00
2470.0	0.00	0.0	116.0	116.0	0.00	637.00
2480.0	0.00	0.0	116.0	116.0	0.00	637.00
2490.0	0.00	0.0	116.0	116.0	0.00	637.00
2500.0	0.00	0.0	116.0	116.0	0.00	637.00
2510.0	0.00	0.0	116.0	116.0	0.00	637.00
2520.0	0.00	0.0	116.0	116.0	0.00	637.00
2530.0	0.00	0.0	116.0	116.0	0.00	637.00
2540.0	0.00	0.0	116.0	116.0	0.00	637.00
2550.0	0.00	0.0	116.0	116.0	0.00	637.00
2560.0	0.00	0.0	116.0	116.0	0.00	637.00
2570.0	0.00	0.0	116.0	116.0	0.00	637.00
2580.0	0.00	0.0	116.0	116.0	0.00	637.00
2590.0	0.00	0.0	116.0	116.0	0.00	637.00
2600.0	0.00	0.0	116.0	116.0	0.00	637.00
2610.0	0.00	0.0	116.0	116.0	0.00	637.00
2620.0	0.00	0.0	116.0	116.0	0.00	637.00
2630.0	0.00	0.0	116.0	116.0	0.00	637.00
2640.0	0.00	0.0	116.0	116.0	0.00	637.00
2650.0	0.00	0.0	116.0	116.0	0.00	637.00
2660.0	0.00	0.0	116.0	116.0	0.00	637.00
2670.0	0.00	0.0	116.0	116.0	0.00	637.00
2680.0	0.00	0.0	116.0	116.0	0.00	637.00
2690.0	0.00	0.0	116.0	116.0	0.00	637.00
2700.0	0.00	0.0	116.0	116.0	0.00	637.00
2710.0	0.00	0.0	116.0	116.0	0.00	637.00
2720.0	0.00	0.0	116.0	116.0	0.00	637.00
2730.0	0.00	0.0	116.0	116.0	0.00	637.00
2740.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\15B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B115BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	116.0	116.0	0.00	637.00
2760.0	0.00	0.0	116.0	116.0	0.00	637.00
2770.0	0.00	0.0	116.0	116.0	0.00	637.00
2780.0	0.00	0.0	116.0	116.0	0.00	637.00
2790.0	0.00	0.0	116.0	116.0	0.00	637.00
2800.0	0.00	0.0	116.0	116.0	0.00	637.00
2810.0	0.00	0.0	116.0	116.0	0.00	637.00
2820.0	0.00	0.0	116.0	116.0	0.00	637.00
2830.0	0.00	0.0	116.0	116.0	0.00	637.00
2840.0	0.00	0.0	116.0	116.0	0.00	637.00
2850.0	0.00	0.0	116.0	116.0	0.00	637.00
2860.0	0.00	0.0	116.0	116.0	0.00	637.00
2870.0	0.00	0.0	116.0	116.0	0.00	637.00
2880.0	0.00	0.0	116.0	116.0	0.00	637.00
2890.0	0.00	0.0	116.0	116.0	0.00	637.00
2900.0	0.00	0.0	116.0	116.0	0.00	637.00
2910.0	0.00	0.0	116.0	116.0	0.00	637.00
2920.0	0.00	0.0	116.0	116.0	0.00	637.00
2930.0	0.00	0.0	116.0	116.0	0.00	637.00
2940.0	0.00	0.0	116.0	116.0	0.00	637.00
2950.0	0.00	0.0	116.0	116.0	0.00	637.00
2960.0	0.00	0.0	116.0	116.0	0.00	637.00
2970.0	0.00	0.0	116.0	116.0	0.00	637.00
2980.0	0.00	0.0	116.0	116.0	0.00	637.00
2990.0	0.00	0.0	116.0	116.0	0.00	637.00
3000.0	0.00	0.0	116.0	116.0	0.00	637.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN1BL.PND
Inflow Hydrograph: J:\data\0203043\15B1 .HYD
Outflow Hydrograph: J:\data\0203043\B115BL .HYD

Starting Pond W.S. Elevation = 637.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 14.56 cfs
Peak Outflow = 10.11 cfs
Peak Elevation = 637.42 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 34,788 cu-ft
Peak Storage From Storm = 8,263 cu-ft

Total Storage in Pond = 43,052 cu-ft

```

*****
*
*          BRIARCHASE          *
*   DETENTION BASIN #1   *
*   BLOCKED LOW FLOW     *
*
*
*
*****
  
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Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Rating Table file: J:\data\0203043\BASIN1BL.PND

----INITIAL CONDITIONS----
 Elevation = 637.00 ft
 Outflow = 0.00 cfs
 Storage = 34,788 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
637.00	0.0	34,788	116.0	116.0
637.20	3.4	38,698	129.0	132.4
637.40	9.5	42,686	142.3	151.8
637.60	16.3	46,753	155.8	172.1
637.80	20.4	50,902	169.7	190.1
638.00	23.8	55,133	183.8	207.6
638.20	26.8	59,445	198.1	224.9
638.40	29.5	63,838	212.8	242.3
638.60	31.9	68,312	227.7	259.6
638.80	34.2	72,870	242.9	277.1
639.00	36.4	77,512	258.4	294.8

Time increment (t) = 10.0 min.

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	116.0	116.0	0.00	637.00
10.0	17.96	18.0	126.2	133.9	3.88	637.22
20.0	17.96	35.9	136.2	162.1	12.94	637.50
30.0	0.00	18.0	133.6	154.2	10.29	637.42
40.0	0.00	0.0	126.0	133.6	3.77	637.21
50.0	0.00	0.0	121.9	126.0	2.08	637.12
60.0	0.00	0.0	119.4	121.9	1.22	637.07
70.0	0.00	0.0	118.0	119.4	0.72	637.04
80.0	0.00	0.0	117.1	118.0	0.42	637.02
90.0	0.00	0.0	116.7	117.1	0.25	637.01
100.0	0.00	0.0	116.4	116.7	0.14	637.01
110.0	0.00	0.0	116.2	116.4	0.08	637.00
120.0	0.00	0.0	116.1	116.2	0.05	637.00
130.0	0.00	0.0	116.0	116.1	0.03	637.00
140.0	0.00	0.0	116.0	116.0	0.02	637.00
150.0	0.00	0.0	116.0	116.0	0.01	637.00
160.0	0.00	0.0	116.0	116.0	0.01	637.00
170.0	0.00	0.0	116.0	116.0	0.00	637.00
180.0	0.00	0.0	116.0	116.0	0.00	637.00
190.0	0.00	0.0	116.0	116.0	0.00	637.00
200.0	0.00	0.0	116.0	116.0	0.00	637.00
210.0	0.00	0.0	116.0	116.0	0.00	637.00
220.0	0.00	0.0	116.0	116.0	0.00	637.00
230.0	0.00	0.0	116.0	116.0	0.00	637.00
240.0	0.00	0.0	116.0	116.0	0.00	637.00
250.0	0.00	0.0	116.0	116.0	0.00	637.00
260.0	0.00	0.0	116.0	116.0	0.00	637.00
270.0	0.00	0.0	116.0	116.0	0.00	637.00
280.0	0.00	0.0	116.0	116.0	0.00	637.00
290.0	0.00	0.0	116.0	116.0	0.00	637.00
300.0	0.00	0.0	116.0	116.0	0.00	637.00
310.0	0.00	0.0	116.0	116.0	0.00	637.00
320.0	0.00	0.0	116.0	116.0	0.00	637.00
330.0	0.00	0.0	116.0	116.0	0.00	637.00
340.0	0.00	0.0	116.0	116.0	0.00	637.00
350.0	0.00	0.0	116.0	116.0	0.00	637.00
360.0	0.00	0.0	116.0	116.0	0.00	637.00
370.0	0.00	0.0	116.0	116.0	0.00	637.00
380.0	0.00	0.0	116.0	116.0	0.00	637.00
390.0	0.00	0.0	116.0	116.0	0.00	637.00
400.0	0.00	0.0	116.0	116.0	0.00	637.00
410.0	0.00	0.0	116.0	116.0	0.00	637.00
420.0	0.00	0.0	116.0	116.0	0.00	637.00
430.0	0.00	0.0	116.0	116.0	0.00	637.00
440.0	0.00	0.0	116.0	116.0	0.00	637.00

nd File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	116.0	116.0	0.00	637.00
460.0	0.00	0.0	116.0	116.0	0.00	637.00
470.0	0.00	0.0	116.0	116.0	0.00	637.00
480.0	0.00	0.0	116.0	116.0	0.00	637.00
490.0	0.00	0.0	116.0	116.0	0.00	637.00
500.0	0.00	0.0	116.0	116.0	0.00	637.00
510.0	0.00	0.0	116.0	116.0	0.00	637.00
520.0	0.00	0.0	116.0	116.0	0.00	637.00
530.0	0.00	0.0	116.0	116.0	0.00	637.00
540.0	0.00	0.0	116.0	116.0	0.00	637.00
550.0	0.00	0.0	116.0	116.0	0.00	637.00
560.0	0.00	0.0	116.0	116.0	0.00	637.00
570.0	0.00	0.0	116.0	116.0	0.00	637.00
580.0	0.00	0.0	116.0	116.0	0.00	637.00
590.0	0.00	0.0	116.0	116.0	0.00	637.00
600.0	0.00	0.0	116.0	116.0	0.00	637.00
610.0	0.00	0.0	116.0	116.0	0.00	637.00
620.0	0.00	0.0	116.0	116.0	0.00	637.00
630.0	0.00	0.0	116.0	116.0	0.00	637.00
640.0	0.00	0.0	116.0	116.0	0.00	637.00
650.0	0.00	0.0	116.0	116.0	0.00	637.00
660.0	0.00	0.0	116.0	116.0	0.00	637.00
670.0	0.00	0.0	116.0	116.0	0.00	637.00
680.0	0.00	0.0	116.0	116.0	0.00	637.00
690.0	0.00	0.0	116.0	116.0	0.00	637.00
700.0	0.00	0.0	116.0	116.0	0.00	637.00
710.0	0.00	0.0	116.0	116.0	0.00	637.00
720.0	0.00	0.0	116.0	116.0	0.00	637.00
730.0	0.00	0.0	116.0	116.0	0.00	637.00
740.0	0.00	0.0	116.0	116.0	0.00	637.00
750.0	0.00	0.0	116.0	116.0	0.00	637.00
760.0	0.00	0.0	116.0	116.0	0.00	637.00
770.0	0.00	0.0	116.0	116.0	0.00	637.00
780.0	0.00	0.0	116.0	116.0	0.00	637.00
790.0	0.00	0.0	116.0	116.0	0.00	637.00
800.0	0.00	0.0	116.0	116.0	0.00	637.00
810.0	0.00	0.0	116.0	116.0	0.00	637.00
820.0	0.00	0.0	116.0	116.0	0.00	637.00
830.0	0.00	0.0	116.0	116.0	0.00	637.00
840.0	0.00	0.0	116.0	116.0	0.00	637.00
850.0	0.00	0.0	116.0	116.0	0.00	637.00
860.0	0.00	0.0	116.0	116.0	0.00	637.00
870.0	0.00	0.0	116.0	116.0	0.00	637.00
880.0	0.00	0.0	116.0	116.0	0.00	637.00
890.0	0.00	0.0	116.0	116.0	0.00	637.00
900.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	116.0	116.0	0.00	637.00
920.0	0.00	0.0	116.0	116.0	0.00	637.00
930.0	0.00	0.0	116.0	116.0	0.00	637.00
940.0	0.00	0.0	116.0	116.0	0.00	637.00
950.0	0.00	0.0	116.0	116.0	0.00	637.00
960.0	0.00	0.0	116.0	116.0	0.00	637.00
970.0	0.00	0.0	116.0	116.0	0.00	637.00
980.0	0.00	0.0	116.0	116.0	0.00	637.00
990.0	0.00	0.0	116.0	116.0	0.00	637.00
1000.0	0.00	0.0	116.0	116.0	0.00	637.00
1010.0	0.00	0.0	116.0	116.0	0.00	637.00
1020.0	0.00	0.0	116.0	116.0	0.00	637.00
1030.0	0.00	0.0	116.0	116.0	0.00	637.00
1040.0	0.00	0.0	116.0	116.0	0.00	637.00
1050.0	0.00	0.0	116.0	116.0	0.00	637.00
1060.0	0.00	0.0	116.0	116.0	0.00	637.00
1070.0	0.00	0.0	116.0	116.0	0.00	637.00
1080.0	0.00	0.0	116.0	116.0	0.00	637.00
1090.0	0.00	0.0	116.0	116.0	0.00	637.00
1100.0	0.00	0.0	116.0	116.0	0.00	637.00
1110.0	0.00	0.0	116.0	116.0	0.00	637.00
1120.0	0.00	0.0	116.0	116.0	0.00	637.00
1130.0	0.00	0.0	116.0	116.0	0.00	637.00
1140.0	0.00	0.0	116.0	116.0	0.00	637.00
1150.0	0.00	0.0	116.0	116.0	0.00	637.00
1160.0	0.00	0.0	116.0	116.0	0.00	637.00
1170.0	0.00	0.0	116.0	116.0	0.00	637.00
1180.0	0.00	0.0	116.0	116.0	0.00	637.00
1190.0	0.00	0.0	116.0	116.0	0.00	637.00
1200.0	0.00	0.0	116.0	116.0	0.00	637.00
1210.0	0.00	0.0	116.0	116.0	0.00	637.00
1220.0	0.00	0.0	116.0	116.0	0.00	637.00
1230.0	0.00	0.0	116.0	116.0	0.00	637.00
1240.0	0.00	0.0	116.0	116.0	0.00	637.00
1250.0	0.00	0.0	116.0	116.0	0.00	637.00
1260.0	0.00	0.0	116.0	116.0	0.00	637.00
1270.0	0.00	0.0	116.0	116.0	0.00	637.00
1280.0	0.00	0.0	116.0	116.0	0.00	637.00
1290.0	0.00	0.0	116.0	116.0	0.00	637.00
1300.0	0.00	0.0	116.0	116.0	0.00	637.00
1310.0	0.00	0.0	116.0	116.0	0.00	637.00
1320.0	0.00	0.0	116.0	116.0	0.00	637.00
1330.0	0.00	0.0	116.0	116.0	0.00	637.00
1340.0	0.00	0.0	116.0	116.0	0.00	637.00
1350.0	0.00	0.0	116.0	116.0	0.00	637.00
1360.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	116.0	116.0	0.00	637.00
1380.0	0.00	0.0	116.0	116.0	0.00	637.00
1390.0	0.00	0.0	116.0	116.0	0.00	637.00
1400.0	0.00	0.0	116.0	116.0	0.00	637.00
1410.0	0.00	0.0	116.0	116.0	0.00	637.00
1420.0	0.00	0.0	116.0	116.0	0.00	637.00
1430.0	0.00	0.0	116.0	116.0	0.00	637.00
1440.0	0.00	0.0	116.0	116.0	0.00	637.00
1450.0	0.00	0.0	116.0	116.0	0.00	637.00
1460.0	0.00	0.0	116.0	116.0	0.00	637.00
1470.0	0.00	0.0	116.0	116.0	0.00	637.00
1480.0	0.00	0.0	116.0	116.0	0.00	637.00
1490.0	0.00	0.0	116.0	116.0	0.00	637.00
1500.0	0.00	0.0	116.0	116.0	0.00	637.00
1510.0	0.00	0.0	116.0	116.0	0.00	637.00
1520.0	0.00	0.0	116.0	116.0	0.00	637.00
1530.0	0.00	0.0	116.0	116.0	0.00	637.00
1540.0	0.00	0.0	116.0	116.0	0.00	637.00
1550.0	0.00	0.0	116.0	116.0	0.00	637.00
1560.0	0.00	0.0	116.0	116.0	0.00	637.00
1570.0	0.00	0.0	116.0	116.0	0.00	637.00
1580.0	0.00	0.0	116.0	116.0	0.00	637.00
1590.0	0.00	0.0	116.0	116.0	0.00	637.00
1600.0	0.00	0.0	116.0	116.0	0.00	637.00
1610.0	0.00	0.0	116.0	116.0	0.00	637.00
1620.0	0.00	0.0	116.0	116.0	0.00	637.00
1630.0	0.00	0.0	116.0	116.0	0.00	637.00
1640.0	0.00	0.0	116.0	116.0	0.00	637.00
1650.0	0.00	0.0	116.0	116.0	0.00	637.00
1660.0	0.00	0.0	116.0	116.0	0.00	637.00
1670.0	0.00	0.0	116.0	116.0	0.00	637.00
1680.0	0.00	0.0	116.0	116.0	0.00	637.00
1690.0	0.00	0.0	116.0	116.0	0.00	637.00
1700.0	0.00	0.0	116.0	116.0	0.00	637.00
1710.0	0.00	0.0	116.0	116.0	0.00	637.00
1720.0	0.00	0.0	116.0	116.0	0.00	637.00
1730.0	0.00	0.0	116.0	116.0	0.00	637.00
1740.0	0.00	0.0	116.0	116.0	0.00	637.00
1750.0	0.00	0.0	116.0	116.0	0.00	637.00
1760.0	0.00	0.0	116.0	116.0	0.00	637.00
1770.0	0.00	0.0	116.0	116.0	0.00	637.00
1780.0	0.00	0.0	116.0	116.0	0.00	637.00
1790.0	0.00	0.0	116.0	116.0	0.00	637.00
1800.0	0.00	0.0	116.0	116.0	0.00	637.00
1810.0	0.00	0.0	116.0	116.0	0.00	637.00
1820.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	116.0	116.0	0.00	637.00
1840.0	0.00	0.0	116.0	116.0	0.00	637.00
1850.0	0.00	0.0	116.0	116.0	0.00	637.00
1860.0	0.00	0.0	116.0	116.0	0.00	637.00
1870.0	0.00	0.0	116.0	116.0	0.00	637.00
1880.0	0.00	0.0	116.0	116.0	0.00	637.00
1890.0	0.00	0.0	116.0	116.0	0.00	637.00
1900.0	0.00	0.0	116.0	116.0	0.00	637.00
1910.0	0.00	0.0	116.0	116.0	0.00	637.00
1920.0	0.00	0.0	116.0	116.0	0.00	637.00
1930.0	0.00	0.0	116.0	116.0	0.00	637.00
1940.0	0.00	0.0	116.0	116.0	0.00	637.00
1950.0	0.00	0.0	116.0	116.0	0.00	637.00
1960.0	0.00	0.0	116.0	116.0	0.00	637.00
1970.0	0.00	0.0	116.0	116.0	0.00	637.00
1980.0	0.00	0.0	116.0	116.0	0.00	637.00
1990.0	0.00	0.0	116.0	116.0	0.00	637.00
2000.0	0.00	0.0	116.0	116.0	0.00	637.00
2010.0	0.00	0.0	116.0	116.0	0.00	637.00
2020.0	0.00	0.0	116.0	116.0	0.00	637.00
2030.0	0.00	0.0	116.0	116.0	0.00	637.00
2040.0	0.00	0.0	116.0	116.0	0.00	637.00
2050.0	0.00	0.0	116.0	116.0	0.00	637.00
2060.0	0.00	0.0	116.0	116.0	0.00	637.00
2070.0	0.00	0.0	116.0	116.0	0.00	637.00
2080.0	0.00	0.0	116.0	116.0	0.00	637.00
2090.0	0.00	0.0	116.0	116.0	0.00	637.00
2100.0	0.00	0.0	116.0	116.0	0.00	637.00
2110.0	0.00	0.0	116.0	116.0	0.00	637.00
2120.0	0.00	0.0	116.0	116.0	0.00	637.00
2130.0	0.00	0.0	116.0	116.0	0.00	637.00
2140.0	0.00	0.0	116.0	116.0	0.00	637.00
2150.0	0.00	0.0	116.0	116.0	0.00	637.00
2160.0	0.00	0.0	116.0	116.0	0.00	637.00
2170.0	0.00	0.0	116.0	116.0	0.00	637.00
2180.0	0.00	0.0	116.0	116.0	0.00	637.00
2190.0	0.00	0.0	116.0	116.0	0.00	637.00
2200.0	0.00	0.0	116.0	116.0	0.00	637.00
2210.0	0.00	0.0	116.0	116.0	0.00	637.00
2220.0	0.00	0.0	116.0	116.0	0.00	637.00
2230.0	0.00	0.0	116.0	116.0	0.00	637.00
2240.0	0.00	0.0	116.0	116.0	0.00	637.00
2250.0	0.00	0.0	116.0	116.0	0.00	637.00
2260.0	0.00	0.0	116.0	116.0	0.00	637.00
2270.0	0.00	0.0	116.0	116.0	0.00	637.00
2280.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	116.0	116.0	0.00	637.00
2300.0	0.00	0.0	116.0	116.0	0.00	637.00
2310.0	0.00	0.0	116.0	116.0	0.00	637.00
2320.0	0.00	0.0	116.0	116.0	0.00	637.00
2330.0	0.00	0.0	116.0	116.0	0.00	637.00
2340.0	0.00	0.0	116.0	116.0	0.00	637.00
2350.0	0.00	0.0	116.0	116.0	0.00	637.00
2360.0	0.00	0.0	116.0	116.0	0.00	637.00
2370.0	0.00	0.0	116.0	116.0	0.00	637.00
2380.0	0.00	0.0	116.0	116.0	0.00	637.00
2390.0	0.00	0.0	116.0	116.0	0.00	637.00
2400.0	0.00	0.0	116.0	116.0	0.00	637.00
2410.0	0.00	0.0	116.0	116.0	0.00	637.00
2420.0	0.00	0.0	116.0	116.0	0.00	637.00
2430.0	0.00	0.0	116.0	116.0	0.00	637.00
2440.0	0.00	0.0	116.0	116.0	0.00	637.00
2450.0	0.00	0.0	116.0	116.0	0.00	637.00
2460.0	0.00	0.0	116.0	116.0	0.00	637.00
2470.0	0.00	0.0	116.0	116.0	0.00	637.00
2480.0	0.00	0.0	116.0	116.0	0.00	637.00
2490.0	0.00	0.0	116.0	116.0	0.00	637.00
2500.0	0.00	0.0	116.0	116.0	0.00	637.00
2510.0	0.00	0.0	116.0	116.0	0.00	637.00
2520.0	0.00	0.0	116.0	116.0	0.00	637.00
2530.0	0.00	0.0	116.0	116.0	0.00	637.00
2540.0	0.00	0.0	116.0	116.0	0.00	637.00
2550.0	0.00	0.0	116.0	116.0	0.00	637.00
2560.0	0.00	0.0	116.0	116.0	0.00	637.00
2570.0	0.00	0.0	116.0	116.0	0.00	637.00
2580.0	0.00	0.0	116.0	116.0	0.00	637.00
2590.0	0.00	0.0	116.0	116.0	0.00	637.00
2600.0	0.00	0.0	116.0	116.0	0.00	637.00
2610.0	0.00	0.0	116.0	116.0	0.00	637.00
2620.0	0.00	0.0	116.0	116.0	0.00	637.00
2630.0	0.00	0.0	116.0	116.0	0.00	637.00
2640.0	0.00	0.0	116.0	116.0	0.00	637.00
2650.0	0.00	0.0	116.0	116.0	0.00	637.00
2660.0	0.00	0.0	116.0	116.0	0.00	637.00
2670.0	0.00	0.0	116.0	116.0	0.00	637.00
2680.0	0.00	0.0	116.0	116.0	0.00	637.00
2690.0	0.00	0.0	116.0	116.0	0.00	637.00
2700.0	0.00	0.0	116.0	116.0	0.00	637.00
2710.0	0.00	0.0	116.0	116.0	0.00	637.00
2720.0	0.00	0.0	116.0	116.0	0.00	637.00
2730.0	0.00	0.0	116.0	116.0	0.00	637.00
2740.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\25B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B125BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	116.0	116.0	0.00	637.00
2760.0	0.00	0.0	116.0	116.0	0.00	637.00
2770.0	0.00	0.0	116.0	116.0	0.00	637.00
2780.0	0.00	0.0	116.0	116.0	0.00	637.00
2790.0	0.00	0.0	116.0	116.0	0.00	637.00
2800.0	0.00	0.0	116.0	116.0	0.00	637.00
2810.0	0.00	0.0	116.0	116.0	0.00	637.00
2820.0	0.00	0.0	116.0	116.0	0.00	637.00
2830.0	0.00	0.0	116.0	116.0	0.00	637.00
2840.0	0.00	0.0	116.0	116.0	0.00	637.00
2850.0	0.00	0.0	116.0	116.0	0.00	637.00
2860.0	0.00	0.0	116.0	116.0	0.00	637.00
2870.0	0.00	0.0	116.0	116.0	0.00	637.00
2880.0	0.00	0.0	116.0	116.0	0.00	637.00
2890.0	0.00	0.0	116.0	116.0	0.00	637.00
2900.0	0.00	0.0	116.0	116.0	0.00	637.00
2910.0	0.00	0.0	116.0	116.0	0.00	637.00
2920.0	0.00	0.0	116.0	116.0	0.00	637.00
2930.0	0.00	0.0	116.0	116.0	0.00	637.00
2940.0	0.00	0.0	116.0	116.0	0.00	637.00
2950.0	0.00	0.0	116.0	116.0	0.00	637.00
2960.0	0.00	0.0	116.0	116.0	0.00	637.00
2970.0	0.00	0.0	116.0	116.0	0.00	637.00
2980.0	0.00	0.0	116.0	116.0	0.00	637.00
2990.0	0.00	0.0	116.0	116.0	0.00	637.00
3000.0	0.00	0.0	116.0	116.0	0.00	637.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN1BL.PND
Inflow Hydrograph: J:\data\0203043\25B1 .HYD
Outflow Hydrograph: J:\data\0203043\B125BL .HYD

Starting Pond W.S. Elevation = 637.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 17.96 cfs
Peak Outflow = 12.94 cfs
Peak Elevation = 637.50 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 34,788 cu-ft
Peak Storage From Storm = 9,954 cu-ft

Total Storage in Pond = 44,742 cu-ft


```

*****
*
*          BRIARCHASE          *
*  DETENTION BASIN #1        *
*   BLOCKED LOW FLOW         *
*
*
*
*****
    
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Inflow Hydrograph: J:\data\0203043\100B1 .HYD
 Rating Table file: J:\data\0203043\BASIN1BL.PND

----INITIAL CONDITIONS----

Elevation = 637.00 ft
 Outflow = 0.00 cfs
 Storage = 34,788 cu-ft

GIVEN POND DATA

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)
637.00	0.0	34,788
637.20	3.4	38,698
637.40	9.5	42,686
637.60	16.3	46,753
637.80	20.4	50,902
638.00	23.8	55,133
638.20	26.8	59,445
638.40	29.5	63,838
638.60	31.9	68,312
638.80	34.2	72,870
639.00	36.4	77,512

INTERMEDIATE ROUTING
 COMPUTATIONS

2S/t (cfs)	2S/t + 0 (cfs)
116.0	116.0
129.0	132.4
142.3	151.8
155.8	172.1
169.7	190.1
183.8	207.6
198.1	224.9
212.8	242.3
227.7	259.6
242.9	277.1
258.4	294.8

Time increment (t) = 10.0 min.

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\100B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B1100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	116.0	116.0	0.00	637.00
10.0	23.04	23.0	128.0	139.0	5.48	637.27
20.0	23.04	46.1	140.6	174.1	16.75	637.62
30.0	0.00	23.0	136.7	163.7	13.47	637.52
40.0	0.00	0.0	127.2	136.7	4.76	637.24
50.0	0.00	0.0	122.5	127.2	2.33	637.14
60.0	0.00	0.0	119.8	122.5	1.36	637.08
70.0	0.00	0.0	118.2	119.8	0.80	637.05
80.0	0.00	0.0	117.3	118.2	0.47	637.03
90.0	0.00	0.0	116.7	117.3	0.27	637.02
100.0	0.00	0.0	116.4	116.7	0.16	637.01
110.0	0.00	0.0	116.2	116.4	0.09	637.01
120.0	0.00	0.0	116.1	116.2	0.06	637.00
130.0	0.00	0.0	116.1	116.1	0.03	637.00
140.0	0.00	0.0	116.0	116.1	0.02	637.00
150.0	0.00	0.0	116.0	116.0	0.01	637.00
160.0	0.00	0.0	116.0	116.0	0.01	637.00
170.0	0.00	0.0	116.0	116.0	0.00	637.00
180.0	0.00	0.0	116.0	116.0	0.00	637.00
190.0	0.00	0.0	116.0	116.0	0.00	637.00
200.0	0.00	0.0	116.0	116.0	0.00	637.00
210.0	0.00	0.0	116.0	116.0	0.00	637.00
220.0	0.00	0.0	116.0	116.0	0.00	637.00
230.0	0.00	0.0	116.0	116.0	0.00	637.00
240.0	0.00	0.0	116.0	116.0	0.00	637.00
250.0	0.00	0.0	116.0	116.0	0.00	637.00
260.0	0.00	0.0	116.0	116.0	0.00	637.00
270.0	0.00	0.0	116.0	116.0	0.00	637.00
280.0	0.00	0.0	116.0	116.0	0.00	637.00
290.0	0.00	0.0	116.0	116.0	0.00	637.00
300.0	0.00	0.0	116.0	116.0	0.00	637.00
310.0	0.00	0.0	116.0	116.0	0.00	637.00
320.0	0.00	0.0	116.0	116.0	0.00	637.00
330.0	0.00	0.0	116.0	116.0	0.00	637.00
340.0	0.00	0.0	116.0	116.0	0.00	637.00
350.0	0.00	0.0	116.0	116.0	0.00	637.00
360.0	0.00	0.0	116.0	116.0	0.00	637.00
370.0	0.00	0.0	116.0	116.0	0.00	637.00
380.0	0.00	0.0	116.0	116.0	0.00	637.00
390.0	0.00	0.0	116.0	116.0	0.00	637.00
400.0	0.00	0.0	116.0	116.0	0.00	637.00
410.0	0.00	0.0	116.0	116.0	0.00	637.00
420.0	0.00	0.0	116.0	116.0	0.00	637.00
430.0	0.00	0.0	116.0	116.0	0.00	637.00
440.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\100B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B1100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	116.0	116.0	0.00	637.00
460.0	0.00	0.0	116.0	116.0	0.00	637.00
470.0	0.00	0.0	116.0	116.0	0.00	637.00
480.0	0.00	0.0	116.0	116.0	0.00	637.00
490.0	0.00	0.0	116.0	116.0	0.00	637.00
500.0	0.00	0.0	116.0	116.0	0.00	637.00
510.0	0.00	0.0	116.0	116.0	0.00	637.00
520.0	0.00	0.0	116.0	116.0	0.00	637.00
530.0	0.00	0.0	116.0	116.0	0.00	637.00
540.0	0.00	0.0	116.0	116.0	0.00	637.00
550.0	0.00	0.0	116.0	116.0	0.00	637.00
560.0	0.00	0.0	116.0	116.0	0.00	637.00
570.0	0.00	0.0	116.0	116.0	0.00	637.00
580.0	0.00	0.0	116.0	116.0	0.00	637.00
590.0	0.00	0.0	116.0	116.0	0.00	637.00
600.0	0.00	0.0	116.0	116.0	0.00	637.00
610.0	0.00	0.0	116.0	116.0	0.00	637.00
620.0	0.00	0.0	116.0	116.0	0.00	637.00
630.0	0.00	0.0	116.0	116.0	0.00	637.00
640.0	0.00	0.0	116.0	116.0	0.00	637.00
650.0	0.00	0.0	116.0	116.0	0.00	637.00
660.0	0.00	0.0	116.0	116.0	0.00	637.00
670.0	0.00	0.0	116.0	116.0	0.00	637.00
680.0	0.00	0.0	116.0	116.0	0.00	637.00
690.0	0.00	0.0	116.0	116.0	0.00	637.00
700.0	0.00	0.0	116.0	116.0	0.00	637.00
710.0	0.00	0.0	116.0	116.0	0.00	637.00
720.0	0.00	0.0	116.0	116.0	0.00	637.00
730.0	0.00	0.0	116.0	116.0	0.00	637.00
740.0	0.00	0.0	116.0	116.0	0.00	637.00
750.0	0.00	0.0	116.0	116.0	0.00	637.00
760.0	0.00	0.0	116.0	116.0	0.00	637.00
770.0	0.00	0.0	116.0	116.0	0.00	637.00
780.0	0.00	0.0	116.0	116.0	0.00	637.00
790.0	0.00	0.0	116.0	116.0	0.00	637.00
800.0	0.00	0.0	116.0	116.0	0.00	637.00
810.0	0.00	0.0	116.0	116.0	0.00	637.00
820.0	0.00	0.0	116.0	116.0	0.00	637.00
830.0	0.00	0.0	116.0	116.0	0.00	637.00
840.0	0.00	0.0	116.0	116.0	0.00	637.00
850.0	0.00	0.0	116.0	116.0	0.00	637.00
860.0	0.00	0.0	116.0	116.0	0.00	637.00
870.0	0.00	0.0	116.0	116.0	0.00	637.00
880.0	0.00	0.0	116.0	116.0	0.00	637.00
890.0	0.00	0.0	116.0	116.0	0.00	637.00
900.0	0.00	0.0	116.0	116.0	0.00	637.00

and File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\100B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B1100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	116.0	116.0	0.00	637.00
920.0	0.00	0.0	116.0	116.0	0.00	637.00
930.0	0.00	0.0	116.0	116.0	0.00	637.00
940.0	0.00	0.0	116.0	116.0	0.00	637.00
950.0	0.00	0.0	116.0	116.0	0.00	637.00
960.0	0.00	0.0	116.0	116.0	0.00	637.00
970.0	0.00	0.0	116.0	116.0	0.00	637.00
980.0	0.00	0.0	116.0	116.0	0.00	637.00
990.0	0.00	0.0	116.0	116.0	0.00	637.00
1000.0	0.00	0.0	116.0	116.0	0.00	637.00
1010.0	0.00	0.0	116.0	116.0	0.00	637.00
1020.0	0.00	0.0	116.0	116.0	0.00	637.00
1030.0	0.00	0.0	116.0	116.0	0.00	637.00
1040.0	0.00	0.0	116.0	116.0	0.00	637.00
1050.0	0.00	0.0	116.0	116.0	0.00	637.00
1060.0	0.00	0.0	116.0	116.0	0.00	637.00
1070.0	0.00	0.0	116.0	116.0	0.00	637.00
1080.0	0.00	0.0	116.0	116.0	0.00	637.00
1090.0	0.00	0.0	116.0	116.0	0.00	637.00
1100.0	0.00	0.0	116.0	116.0	0.00	637.00
1110.0	0.00	0.0	116.0	116.0	0.00	637.00
1120.0	0.00	0.0	116.0	116.0	0.00	637.00
1130.0	0.00	0.0	116.0	116.0	0.00	637.00
1140.0	0.00	0.0	116.0	116.0	0.00	637.00
1150.0	0.00	0.0	116.0	116.0	0.00	637.00
1160.0	0.00	0.0	116.0	116.0	0.00	637.00
1170.0	0.00	0.0	116.0	116.0	0.00	637.00
1180.0	0.00	0.0	116.0	116.0	0.00	637.00
1190.0	0.00	0.0	116.0	116.0	0.00	637.00
1200.0	0.00	0.0	116.0	116.0	0.00	637.00
1210.0	0.00	0.0	116.0	116.0	0.00	637.00
1220.0	0.00	0.0	116.0	116.0	0.00	637.00
1230.0	0.00	0.0	116.0	116.0	0.00	637.00
1240.0	0.00	0.0	116.0	116.0	0.00	637.00
1250.0	0.00	0.0	116.0	116.0	0.00	637.00
1260.0	0.00	0.0	116.0	116.0	0.00	637.00
1270.0	0.00	0.0	116.0	116.0	0.00	637.00
1280.0	0.00	0.0	116.0	116.0	0.00	637.00
1290.0	0.00	0.0	116.0	116.0	0.00	637.00
1300.0	0.00	0.0	116.0	116.0	0.00	637.00
1310.0	0.00	0.0	116.0	116.0	0.00	637.00
1320.0	0.00	0.0	116.0	116.0	0.00	637.00
1330.0	0.00	0.0	116.0	116.0	0.00	637.00
1340.0	0.00	0.0	116.0	116.0	0.00	637.00
1350.0	0.00	0.0	116.0	116.0	0.00	637.00
1360.0	0.00	0.0	116.0	116.0	0.00	637.00

Pond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\100B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B1100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	116.0	116.0	0.00	637.00
1380.0	0.00	0.0	116.0	116.0	0.00	637.00
1390.0	0.00	0.0	116.0	116.0	0.00	637.00
1400.0	0.00	0.0	116.0	116.0	0.00	637.00
1410.0	0.00	0.0	116.0	116.0	0.00	637.00
1420.0	0.00	0.0	116.0	116.0	0.00	637.00
1430.0	0.00	0.0	116.0	116.0	0.00	637.00
1440.0	0.00	0.0	116.0	116.0	0.00	637.00
1450.0	0.00	0.0	116.0	116.0	0.00	637.00
1460.0	0.00	0.0	116.0	116.0	0.00	637.00
1470.0	0.00	0.0	116.0	116.0	0.00	637.00
1480.0	0.00	0.0	116.0	116.0	0.00	637.00
1490.0	0.00	0.0	116.0	116.0	0.00	637.00
1500.0	0.00	0.0	116.0	116.0	0.00	637.00
1510.0	0.00	0.0	116.0	116.0	0.00	637.00
1520.0	0.00	0.0	116.0	116.0	0.00	637.00
1530.0	0.00	0.0	116.0	116.0	0.00	637.00
1540.0	0.00	0.0	116.0	116.0	0.00	637.00
1550.0	0.00	0.0	116.0	116.0	0.00	637.00
1560.0	0.00	0.0	116.0	116.0	0.00	637.00
1570.0	0.00	0.0	116.0	116.0	0.00	637.00
1580.0	0.00	0.0	116.0	116.0	0.00	637.00
1590.0	0.00	0.0	116.0	116.0	0.00	637.00
1600.0	0.00	0.0	116.0	116.0	0.00	637.00
1610.0	0.00	0.0	116.0	116.0	0.00	637.00
1620.0	0.00	0.0	116.0	116.0	0.00	637.00
1630.0	0.00	0.0	116.0	116.0	0.00	637.00
1640.0	0.00	0.0	116.0	116.0	0.00	637.00
1650.0	0.00	0.0	116.0	116.0	0.00	637.00
1660.0	0.00	0.0	116.0	116.0	0.00	637.00
1670.0	0.00	0.0	116.0	116.0	0.00	637.00
1680.0	0.00	0.0	116.0	116.0	0.00	637.00
1690.0	0.00	0.0	116.0	116.0	0.00	637.00
1700.0	0.00	0.0	116.0	116.0	0.00	637.00
1710.0	0.00	0.0	116.0	116.0	0.00	637.00
1720.0	0.00	0.0	116.0	116.0	0.00	637.00
1730.0	0.00	0.0	116.0	116.0	0.00	637.00
1740.0	0.00	0.0	116.0	116.0	0.00	637.00
1750.0	0.00	0.0	116.0	116.0	0.00	637.00
1760.0	0.00	0.0	116.0	116.0	0.00	637.00
1770.0	0.00	0.0	116.0	116.0	0.00	637.00
1780.0	0.00	0.0	116.0	116.0	0.00	637.00
1790.0	0.00	0.0	116.0	116.0	0.00	637.00
1800.0	0.00	0.0	116.0	116.0	0.00	637.00
1810.0	0.00	0.0	116.0	116.0	0.00	637.00
1820.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\100B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B1100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	116.0	116.0	0.00	637.00
1840.0	0.00	0.0	116.0	116.0	0.00	637.00
1850.0	0.00	0.0	116.0	116.0	0.00	637.00
1860.0	0.00	0.0	116.0	116.0	0.00	637.00
1870.0	0.00	0.0	116.0	116.0	0.00	637.00
1880.0	0.00	0.0	116.0	116.0	0.00	637.00
1890.0	0.00	0.0	116.0	116.0	0.00	637.00
1900.0	0.00	0.0	116.0	116.0	0.00	637.00
1910.0	0.00	0.0	116.0	116.0	0.00	637.00
1920.0	0.00	0.0	116.0	116.0	0.00	637.00
1930.0	0.00	0.0	116.0	116.0	0.00	637.00
1940.0	0.00	0.0	116.0	116.0	0.00	637.00
1950.0	0.00	0.0	116.0	116.0	0.00	637.00
1960.0	0.00	0.0	116.0	116.0	0.00	637.00
1970.0	0.00	0.0	116.0	116.0	0.00	637.00
1980.0	0.00	0.0	116.0	116.0	0.00	637.00
1990.0	0.00	0.0	116.0	116.0	0.00	637.00
2000.0	0.00	0.0	116.0	116.0	0.00	637.00
2010.0	0.00	0.0	116.0	116.0	0.00	637.00
2020.0	0.00	0.0	116.0	116.0	0.00	637.00
2030.0	0.00	0.0	116.0	116.0	0.00	637.00
2040.0	0.00	0.0	116.0	116.0	0.00	637.00
2050.0	0.00	0.0	116.0	116.0	0.00	637.00
2060.0	0.00	0.0	116.0	116.0	0.00	637.00
2070.0	0.00	0.0	116.0	116.0	0.00	637.00
2080.0	0.00	0.0	116.0	116.0	0.00	637.00
2090.0	0.00	0.0	116.0	116.0	0.00	637.00
2100.0	0.00	0.0	116.0	116.0	0.00	637.00
2110.0	0.00	0.0	116.0	116.0	0.00	637.00
2120.0	0.00	0.0	116.0	116.0	0.00	637.00
2130.0	0.00	0.0	116.0	116.0	0.00	637.00
2140.0	0.00	0.0	116.0	116.0	0.00	637.00
2150.0	0.00	0.0	116.0	116.0	0.00	637.00
2160.0	0.00	0.0	116.0	116.0	0.00	637.00
2170.0	0.00	0.0	116.0	116.0	0.00	637.00
2180.0	0.00	0.0	116.0	116.0	0.00	637.00
2190.0	0.00	0.0	116.0	116.0	0.00	637.00
2200.0	0.00	0.0	116.0	116.0	0.00	637.00
2210.0	0.00	0.0	116.0	116.0	0.00	637.00
2220.0	0.00	0.0	116.0	116.0	0.00	637.00
2230.0	0.00	0.0	116.0	116.0	0.00	637.00
2240.0	0.00	0.0	116.0	116.0	0.00	637.00
2250.0	0.00	0.0	116.0	116.0	0.00	637.00
2260.0	0.00	0.0	116.0	116.0	0.00	637.00
2270.0	0.00	0.0	116.0	116.0	0.00	637.00
2280.0	0.00	0.0	116.0	116.0	0.00	637.00

nd File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\100B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B1100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	116.0	116.0	0.00	637.00
2300.0	0.00	0.0	116.0	116.0	0.00	637.00
2310.0	0.00	0.0	116.0	116.0	0.00	637.00
2320.0	0.00	0.0	116.0	116.0	0.00	637.00
2330.0	0.00	0.0	116.0	116.0	0.00	637.00
2340.0	0.00	0.0	116.0	116.0	0.00	637.00
2350.0	0.00	0.0	116.0	116.0	0.00	637.00
2360.0	0.00	0.0	116.0	116.0	0.00	637.00
2370.0	0.00	0.0	116.0	116.0	0.00	637.00
2380.0	0.00	0.0	116.0	116.0	0.00	637.00
2390.0	0.00	0.0	116.0	116.0	0.00	637.00
2400.0	0.00	0.0	116.0	116.0	0.00	637.00
2410.0	0.00	0.0	116.0	116.0	0.00	637.00
2420.0	0.00	0.0	116.0	116.0	0.00	637.00
2430.0	0.00	0.0	116.0	116.0	0.00	637.00
2440.0	0.00	0.0	116.0	116.0	0.00	637.00
2450.0	0.00	0.0	116.0	116.0	0.00	637.00
2460.0	0.00	0.0	116.0	116.0	0.00	637.00
2470.0	0.00	0.0	116.0	116.0	0.00	637.00
2480.0	0.00	0.0	116.0	116.0	0.00	637.00
2490.0	0.00	0.0	116.0	116.0	0.00	637.00
2500.0	0.00	0.0	116.0	116.0	0.00	637.00
2510.0	0.00	0.0	116.0	116.0	0.00	637.00
2520.0	0.00	0.0	116.0	116.0	0.00	637.00
2530.0	0.00	0.0	116.0	116.0	0.00	637.00
2540.0	0.00	0.0	116.0	116.0	0.00	637.00
2550.0	0.00	0.0	116.0	116.0	0.00	637.00
2560.0	0.00	0.0	116.0	116.0	0.00	637.00
2570.0	0.00	0.0	116.0	116.0	0.00	637.00
2580.0	0.00	0.0	116.0	116.0	0.00	637.00
2590.0	0.00	0.0	116.0	116.0	0.00	637.00
2600.0	0.00	0.0	116.0	116.0	0.00	637.00
2610.0	0.00	0.0	116.0	116.0	0.00	637.00
2620.0	0.00	0.0	116.0	116.0	0.00	637.00
2630.0	0.00	0.0	116.0	116.0	0.00	637.00
2640.0	0.00	0.0	116.0	116.0	0.00	637.00
2650.0	0.00	0.0	116.0	116.0	0.00	637.00
2660.0	0.00	0.0	116.0	116.0	0.00	637.00
2670.0	0.00	0.0	116.0	116.0	0.00	637.00
2680.0	0.00	0.0	116.0	116.0	0.00	637.00
2690.0	0.00	0.0	116.0	116.0	0.00	637.00
2700.0	0.00	0.0	116.0	116.0	0.00	637.00
2710.0	0.00	0.0	116.0	116.0	0.00	637.00
2720.0	0.00	0.0	116.0	116.0	0.00	637.00
2730.0	0.00	0.0	116.0	116.0	0.00	637.00
2740.0	0.00	0.0	116.0	116.0	0.00	637.00

ond File: J:\data\0203043\BASIN1BL.PND
 Inflow Hydrograph: J:\data\0203043\100B1 .HYD
 Outflow Hydrograph: J:\data\0203043\B1100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	116.0	116.0	0.00	637.00
2760.0	0.00	0.0	116.0	116.0	0.00	637.00
2770.0	0.00	0.0	116.0	116.0	0.00	637.00
2780.0	0.00	0.0	116.0	116.0	0.00	637.00
2790.0	0.00	0.0	116.0	116.0	0.00	637.00
2800.0	0.00	0.0	116.0	116.0	0.00	637.00
2810.0	0.00	0.0	116.0	116.0	0.00	637.00
2820.0	0.00	0.0	116.0	116.0	0.00	637.00
2830.0	0.00	0.0	116.0	116.0	0.00	637.00
2840.0	0.00	0.0	116.0	116.0	0.00	637.00
2850.0	0.00	0.0	116.0	116.0	0.00	637.00
2860.0	0.00	0.0	116.0	116.0	0.00	637.00
2870.0	0.00	0.0	116.0	116.0	0.00	637.00
2880.0	0.00	0.0	116.0	116.0	0.00	637.00
2890.0	0.00	0.0	116.0	116.0	0.00	637.00
2900.0	0.00	0.0	116.0	116.0	0.00	637.00
2910.0	0.00	0.0	116.0	116.0	0.00	637.00
2920.0	0.00	0.0	116.0	116.0	0.00	637.00
2930.0	0.00	0.0	116.0	116.0	0.00	637.00
2940.0	0.00	0.0	116.0	116.0	0.00	637.00
2950.0	0.00	0.0	116.0	116.0	0.00	637.00
2960.0	0.00	0.0	116.0	116.0	0.00	637.00
2970.0	0.00	0.0	116.0	116.0	0.00	637.00
2980.0	0.00	0.0	116.0	116.0	0.00	637.00
2990.0	0.00	0.0	116.0	116.0	0.00	637.00
3000.0	0.00	0.0	116.0	116.0	0.00	637.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN1BL.PND
Inflow Hydrograph: J:\data\0203043\100B1 .HYD
Outflow Hydrograph: J:\data\0203043\B1100BL .HYD

Starting Pond W.S. Elevation = 637.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 23.04 cfs
Peak Outflow = 16.75 cfs
Peak Elevation = 637.62 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 34,788 cu-ft
Peak Storage From Storm = 12,422 cu-ft

Total Storage in Pond = 47,211 cu-ft

POND-2 Version: 5.17
 S/N: 1903000008

BRIARCHASE
 DETENTION BASIN #2
 REVISED 6/18/03

CALCULATED 06-18-2003 09:12:35
 DISK FILE: J:\data\0203043\BASIN2RE.VOL

Planimeter scale: 1 inch = 1 ft.

Elevation (ft)	Planimeter (sq.in.)	Area (sq.ft)	A1+A2+sq ² (A1*A2) (sq.ft)	* Volume (cubic-ft)	Volume Sum (cubic-ft)
613.00	0.00	0	0	0	0
614.00	960.00	960	960	320	320
615.00	6,805.00	6,805	10,321	3,440	3,760
616.00	18,716.00	18,716	36,806	12,269	16,029
617.00	26,197.00	26,197	67,056	22,352	38,381
618.00	28,852.00	28,852	82,541	27,514	65,895
619.00	31,187.00	31,187	90,036	30,012	95,907

$$IA = (\text{sq. rt}(\text{Area1}) + ((E_i - E_1) / (E_2 - E_1)) * (\text{sq. rt}(\text{Area2}) - \text{sq. rt}(\text{Area1})))^2$$

where: E1, E2 = Closest two elevations with planimeter data
 E_i = Elevation at which to interpolate area
 Area1, Area2 = Areas computed for E1, E2, respectively
 IA = Interpolated area for E_i

* Incremental volume computed by the Conic Method for Reservoir Volumes.

$$\text{Volume} = (1/3) * (EL2 - EL1) * (\text{Area1} + \text{Area2} + \text{sq. rt.}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
 Area1, Area2 = Areas computed for EL1, EL2, respectively
 Volume = Incremental volume between EL1 and EL2

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRIARCHASE, 02-03-043
OVERFLOW STRUCTURE
DETENTION BASIN #2
11/11/02, REVISED 6/18/03

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
613.00	0.0	1
613.20	0.1	1
613.40	0.2	1
613.60	0.4	1
613.80	0.6	1
614.00	0.8	1
614.20	1.1	1
614.40	1.4	1
614.60	1.7	1
614.80	2.0	1
615.00	2.3	1
615.20	2.7	1
615.40	3.1	1
615.60	3.5	1
615.80	3.9	1
616.00	4.3	1
616.20	4.7	1
616.40	5.2	1
616.60	5.6	1
616.80	6.1	1
617.00	6.6	1 +3
617.20	10.5	1 +3
617.40	17.1	1 +3
617.60	24.6	2 +4
617.80	29.0	2 +4
618.00	32.8	2 +4
618.20	36.1	2 +4
618.40	39.1	2 +4
618.60	41.9	2 +4
618.80	44.4	2 +4
619.00	46.9	2 +4

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

```

*****
BRIARCHASE, 02-03-043
OVERFLOW STRUCTURE
DETENTION BASIN #2
11/11/02, REVISED 6/18/03
*****

```

```

Outlet Structure File: J:\data\0203043\BASIN2 .STR
Planimeter Input File: J:\data\0203043\BASIN2RE.VOL
Rating Table Output File: J:\data\0203043\BASIN2 .PND

```

Min. Elev.(ft) = 613 Max. Elev.(ft) = 619 Incr.(ft) = .2

Additional elevations (ft) to be included in table:

* * * * *

```

*****
SYSTEM CONNECTIVITY
*****

```

Structure	No.	Q Table	Q Table
-----	---	-----	-----
WEIR-VR	1	->	1
ORIFICE	2	->	2
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
J:\data\0203043\BASIN2 .PND

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

```
*****  
BRIARCHASE, 02-03-043  
OVERFLOW STRUCTURE  
DETENTION BASIN #2  
11/11/02, REVISED 6/18/03  
*****
```

>>>>> Structure No. 1 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	613
E2 elev.(ft)?	617.5
Weir coefficient?	3.3
Weir elev.(ft)?	613
Length (ft)?	.25
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

BRIARCHASE, 02-03-043
OVERFLOW STRUCTURE
DETENTION BASIN #2
11/11/02, REVISED 6/18/03

>>>>> Structure No. 2 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	617.5
E2 elev.(ft)?	619.001
Orifice coeff.?	.6
Invert elev.(ft)?	613
Datum elev.(ft) ?	615.25
Orifice area (sq ft)?	1.125

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

```
*****  
BRIARCHASE, 02-03-043  
OVERFLOW STRUCTURE  
DETENTION BASIN #2  
11/11/02, REVISED 6/18/03  
*****
```

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	617
E2 elev.(ft)?	617.5
Weir coefficient?	3.3
Weir elev.(ft)?	617
Length (ft)?	11.42
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN2 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRIARCHASE, 02-03-043
OVERFLOW STRUCTURE
DETENTION BASIN #2
11/11/02, REVISED 6/18/03

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	617.5
E2 elev.(ft)?	619.001
Orifice coeff.?	.6
Invert elev.(ft)?	617
Datum elev.(ft) ?	617.25
Orifice area (sq ft)?	5.71


```
*****
*
*      BRIARCHASE      *
*  DETENTION BASIN #2 *
*    REVISED 6/18/03  *
*
*
*
*****
```

Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Rating Table file: J:\data\0203043\BASIN2 .PND

----INITIAL CONDITIONS----
 Elevation = 613.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
613.00	0.0	0	0.0	0.0
613.20	0.1	3	0.0	0.1
613.40	0.2	20	0.1	0.3
613.60	0.4	69	0.2	0.6
613.80	0.6	164	0.5	1.1
614.00	0.8	320	1.1	1.9
614.20	1.1	583	1.9	3.0
614.40	1.4	1,016	3.4	4.8
614.60	1.7	1,661	5.5	7.2
614.80	2.0	2,562	8.5	10.5
615.00	2.3	3,760	12.5	14.8
615.20	2.7	5,309	17.7	20.4
615.40	3.1	7,262	24.2	27.3
615.60	3.5	9,669	32.2	35.7
615.80	3.9	12,575	41.9	45.8
616.00	4.3	16,029	53.4	57.7
616.20	4.7	19,911	66.4	71.1
616.40	5.2	24,078	80.3	85.5
616.60	5.6	28,537	95.1	100.7
616.80	6.1	33,302	111.0	117.1
617.00	6.6	38,381	127.9	134.5
617.20	10.5	43,673	145.6	156.1
617.40	17.1	49,069	163.6	180.7
617.60	24.6	54,570	181.9	206.5
617.80	29.0	60,179	200.6	229.6
618.00	32.8	65,895	219.6	252.4
618.20	36.1	71,712	239.0	275.1
618.40	39.1	77,620	258.7	297.8
618.60	41.9	83,621	278.7	320.6
618.80	44.4	89,717	299.1	343.5
619.00	46.9	95,907	319.7	366.6

Time increment (t) = 10.0 min.

Sound File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	613.00
10.0	15.14	15.1	10.5	15.1	2.32	615.01
20.0	15.14	30.3	33.4	40.8	3.70	615.70
30.0	0.00	15.1	40.5	48.5	3.99	615.85
40.0	0.00	0.0	33.2	40.5	3.69	615.70
50.0	0.00	0.0	26.4	33.2	3.38	615.54
60.0	0.00	0.0	20.3	26.4	3.05	615.37
70.0	0.00	0.0	14.9	20.3	2.69	615.20
80.0	0.00	0.0	10.3	14.9	2.31	615.00
90.0	0.00	0.0	6.3	10.3	1.98	614.79
100.0	0.00	0.0	3.2	6.3	1.59	614.53
110.0	0.00	0.0	0.9	3.2	1.12	614.21
120.0	0.00	0.0	-0.1	0.9	0.51	613.71
130.0	0.00	0.0	-0.1	-0.1	0.00	613.00
140.0	0.00	0.0	-0.1	-0.1	0.00	613.00
150.0	0.00	0.0	-0.1	-0.1	0.00	613.00
160.0	0.00	0.0	-0.1	-0.1	0.00	613.00
170.0	0.00	0.0	-0.1	-0.1	0.00	613.00
180.0	0.00	0.0	-0.1	-0.1	0.00	613.00
190.0	0.00	0.0	-0.1	-0.1	0.00	613.00
200.0	0.00	0.0	-0.1	-0.1	0.00	613.00
210.0	0.00	0.0	-0.1	-0.1	0.00	613.00
220.0	0.00	0.0	-0.1	-0.1	0.00	613.00
230.0	0.00	0.0	-0.1	-0.1	0.00	613.00
240.0	0.00	0.0	-0.1	-0.1	0.00	613.00
250.0	0.00	0.0	-0.1	-0.1	0.00	613.00
260.0	0.00	0.0	-0.1	-0.1	0.00	613.00
270.0	0.00	0.0	-0.1	-0.1	0.00	613.00
280.0	0.00	0.0	-0.1	-0.1	0.00	613.00
290.0	0.00	0.0	-0.1	-0.1	0.00	613.00
300.0	0.00	0.0	-0.1	-0.1	0.00	613.00
310.0	0.00	0.0	-0.1	-0.1	0.00	613.00
320.0	0.00	0.0	-0.1	-0.1	0.00	613.00
330.0	0.00	0.0	-0.1	-0.1	0.00	613.00
340.0	0.00	0.0	-0.1	-0.1	0.00	613.00
350.0	0.00	0.0	-0.1	-0.1	0.00	613.00
360.0	0.00	0.0	-0.1	-0.1	0.00	613.00
370.0	0.00	0.0	-0.1	-0.1	0.00	613.00
380.0	0.00	0.0	-0.1	-0.1	0.00	613.00
390.0	0.00	0.0	-0.1	-0.1	0.00	613.00
400.0	0.00	0.0	-0.1	-0.1	0.00	613.00
410.0	0.00	0.0	-0.1	-0.1	0.00	613.00
420.0	0.00	0.0	-0.1	-0.1	0.00	613.00
430.0	0.00	0.0	-0.1	-0.1	0.00	613.00
440.0	0.00	0.0	-0.1	-0.1	0.00	613.00

and File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	-0.1	-0.1	0.00	613.00
460.0	0.00	0.0	-0.1	-0.1	0.00	613.00
470.0	0.00	0.0	-0.1	-0.1	0.00	613.00
480.0	0.00	0.0	-0.1	-0.1	0.00	613.00
490.0	0.00	0.0	-0.1	-0.1	0.00	613.00
500.0	0.00	0.0	-0.1	-0.1	0.00	613.00
510.0	0.00	0.0	-0.1	-0.1	0.00	613.00
520.0	0.00	0.0	-0.1	-0.1	0.00	613.00
530.0	0.00	0.0	-0.1	-0.1	0.00	613.00
540.0	0.00	0.0	-0.1	-0.1	0.00	613.00
550.0	0.00	0.0	-0.1	-0.1	0.00	613.00
560.0	0.00	0.0	-0.1	-0.1	0.00	613.00
570.0	0.00	0.0	-0.1	-0.1	0.00	613.00
580.0	0.00	0.0	-0.1	-0.1	0.00	613.00
590.0	0.00	0.0	-0.1	-0.1	0.00	613.00
600.0	0.00	0.0	-0.1	-0.1	0.00	613.00
610.0	0.00	0.0	-0.1	-0.1	0.00	613.00
620.0	0.00	0.0	-0.1	-0.1	0.00	613.00
630.0	0.00	0.0	-0.1	-0.1	0.00	613.00
640.0	0.00	0.0	-0.1	-0.1	0.00	613.00
650.0	0.00	0.0	-0.1	-0.1	0.00	613.00
660.0	0.00	0.0	-0.1	-0.1	0.00	613.00
670.0	0.00	0.0	-0.1	-0.1	0.00	613.00
680.0	0.00	0.0	-0.1	-0.1	0.00	613.00
690.0	0.00	0.0	-0.1	-0.1	0.00	613.00
700.0	0.00	0.0	-0.1	-0.1	0.00	613.00
710.0	0.00	0.0	-0.1	-0.1	0.00	613.00
720.0	0.00	0.0	-0.1	-0.1	0.00	613.00
730.0	0.00	0.0	-0.1	-0.1	0.00	613.00
740.0	0.00	0.0	-0.1	-0.1	0.00	613.00
750.0	0.00	0.0	-0.1	-0.1	0.00	613.00
760.0	0.00	0.0	-0.1	-0.1	0.00	613.00
770.0	0.00	0.0	-0.1	-0.1	0.00	613.00
780.0	0.00	0.0	-0.1	-0.1	0.00	613.00
790.0	0.00	0.0	-0.1	-0.1	0.00	613.00
800.0	0.00	0.0	-0.1	-0.1	0.00	613.00
810.0	0.00	0.0	-0.1	-0.1	0.00	613.00
820.0	0.00	0.0	-0.1	-0.1	0.00	613.00
830.0	0.00	0.0	-0.1	-0.1	0.00	613.00
840.0	0.00	0.0	-0.1	-0.1	0.00	613.00
850.0	0.00	0.0	-0.1	-0.1	0.00	613.00
860.0	0.00	0.0	-0.1	-0.1	0.00	613.00
870.0	0.00	0.0	-0.1	-0.1	0.00	613.00
880.0	0.00	0.0	-0.1	-0.1	0.00	613.00
890.0	0.00	0.0	-0.1	-0.1	0.00	613.00
900.0	0.00	0.0	-0.1	0.1	0.00	613.00

ond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	-0.1	-0.1	0.00	613.00
920.0	0.00	0.0	-0.1	-0.1	0.00	613.00
930.0	0.00	0.0	-0.1	-0.1	0.00	613.00
940.0	0.00	0.0	-0.1	-0.1	0.00	613.00
950.0	0.00	0.0	-0.1	-0.1	0.00	613.00
960.0	0.00	0.0	-0.1	-0.1	0.00	613.00
970.0	0.00	0.0	-0.1	-0.1	0.00	613.00
980.0	0.00	0.0	-0.1	-0.1	0.00	613.00
990.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1000.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1010.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1020.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1030.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1040.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1050.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1060.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1070.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1080.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1090.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1100.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1110.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1120.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1130.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1140.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1150.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1160.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1170.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1180.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1190.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1200.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1210.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1220.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1230.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1240.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1250.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1260.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1270.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1280.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1290.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1300.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1310.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1320.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1330.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1340.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1350.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1360.0	0.00	0.0	-0.1	-0.1	0.00	613.00

Sound File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1380.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1390.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1400.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1410.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1420.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1430.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1440.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1450.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1460.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1470.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1480.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1490.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1500.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1510.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1520.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1530.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1540.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1550.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1560.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1570.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1580.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1590.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1600.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1610.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1620.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1630.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1640.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1650.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1660.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1670.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1680.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1690.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1700.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1710.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1720.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1730.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1740.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1750.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1760.0	0.00	0.0	-0.1	0.1	0.00	613.00
1770.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1780.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1790.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1800.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1810.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1820.0	0.00	0.0	-0.1	-0.1	0.00	613.00

nd File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1840.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1850.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1860.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1870.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1880.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1890.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1900.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1910.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1920.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1930.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1940.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1950.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1960.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1970.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1980.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1990.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2000.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2010.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2020.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2030.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2040.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2050.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2060.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2070.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2080.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2090.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2100.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2110.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2120.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2130.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2140.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2150.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2160.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2170.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2180.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2190.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2200.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2210.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2220.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2230.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2240.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2250.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2260.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2270.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2280.0	0.00	0.0	-0.1	0.1	0.00	613.00

ond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2300.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2310.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2320.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2330.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2340.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2350.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2360.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2370.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2380.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2390.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2400.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2410.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2420.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2430.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2440.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2450.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2460.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2470.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2480.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2490.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2500.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2510.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2520.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2530.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2540.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2550.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2560.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2570.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2580.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2590.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2600.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2610.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2620.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2630.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2640.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2650.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2660.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2670.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2680.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2690.0	0.00	0.0	0.1	-0.1	0.00	613.00
2700.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2710.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2720.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2730.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2740.0	0.00	0.0	-0.1	-0.1	0.00	613.00

and File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2760.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2770.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2780.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2790.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2800.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2810.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2820.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2830.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2840.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2850.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2860.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2870.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2880.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2890.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2900.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2910.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2920.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2930.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2940.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2950.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2960.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2970.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2980.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2990.0	0.00	0.0	-0.1	-0.1	0.00	613.00
3000.0	0.00	0.0	-0.1	-0.1	0.00	613.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN2 .PND
Inflow Hydrograph: J:\data\0203043\02B2 .HYD
Outflow Hydrograph: J:\data\0203043\B202 .HYD

Starting Pond W.S. Elevation = 613.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 15.14 cfs
Peak Outflow = 3.99 cfs
Peak Elevation = 615.85 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 13,358 cu-ft

Total Storage in Pond = 13,358 cu-ft

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*****
*
*          BRIARCHASE          *
*    DETENTION BASIN #2      *
*    REVISED 6/18/03        *
*
*
*
*****
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Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Rating Table file: J:\data\0203043\BASIN2 .PND

----INITIAL CONDITIONS----
 Elevation = 613.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
613.00	0.0	0	0.0	0.0
613.20	0.1	3	0.0	0.1
613.40	0.2	20	0.1	0.3
613.60	0.4	69	0.2	0.6
613.80	0.6	164	0.5	1.1
614.00	0.8	320	1.1	1.9
614.20	1.1	583	1.9	3.0
614.40	1.4	1,016	3.4	4.8
614.60	1.7	1,661	5.5	7.2
614.80	2.0	2,562	8.5	10.5
615.00	2.3	3,760	12.5	14.8
615.20	2.7	5,309	17.7	20.4
615.40	3.1	7,262	24.2	27.3
615.60	3.5	9,669	32.2	35.7
615.80	3.9	12,575	41.9	45.8
616.00	4.3	16,029	53.4	57.7
616.20	4.7	19,911	66.4	71.1
616.40	5.2	24,078	80.3	85.5
616.60	5.6	28,537	95.1	100.7
616.80	6.1	33,302	111.0	117.1
617.00	6.6	38,381	127.9	134.5
617.20	10.5	43,673	145.6	156.1
617.40	17.1	49,069	163.6	180.7
617.60	24.6	54,570	181.9	206.5
617.80	29.0	60,179	200.6	229.6
618.00	32.8	65,895	219.6	252.4
618.20	36.1	71,712	239.0	275.1
618.40	39.1	77,620	258.7	297.8
618.60	41.9	83,621	278.7	320.6
618.80	44.4	89,717	299.1	343.5
619.00	46.9	95,907	319.7	366.6

Time increment (t) = 10.0 min.

Und File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	613.00
10.0	24.65	24.7	18.8	24.7	2.95	615.32
20.0	24.65	49.3	58.8	68.1	4.61	616.15
30.0	0.00	24.7	73.2	83.5	5.13	616.37
40.0	0.00	0.0	63.7	73.2	4.77	616.23
50.0	0.00	0.0	54.7	63.7	4.48	616.09
60.0	0.00	0.0	46.3	54.7	4.20	615.95
70.0	0.00	0.0	38.5	46.3	3.92	615.81
80.0	0.00	0.0	31.3	38.5	3.61	615.65
90.0	0.00	0.0	24.7	31.3	3.29	615.49
100.0	0.00	0.0	18.8	24.7	2.95	615.32
110.0	0.00	0.0	13.6	18.8	2.58	615.14
120.0	0.00	0.0	9.2	13.6	2.22	614.94
130.0	0.00	0.0	5.4	9.2	1.88	614.72
140.0	0.00	0.0	2.5	5.4	1.48	614.45
150.0	0.00	0.0	0.6	2.5	0.96	614.10
160.0	0.00	0.0	-0.2	0.6	0.36	613.56
170.0	0.00	0.0	-0.2	-0.2	0.00	613.00
180.0	0.00	0.0	-0.2	-0.2	0.00	613.00
190.0	0.00	0.0	-0.2	-0.2	0.00	613.00
200.0	0.00	0.0	-0.2	-0.2	0.00	613.00
210.0	0.00	0.0	-0.2	-0.2	0.00	613.00
220.0	0.00	0.0	-0.2	-0.2	0.00	613.00
230.0	0.00	0.0	-0.2	-0.2	0.00	613.00
240.0	0.00	0.0	-0.2	-0.2	0.00	613.00
250.0	0.00	0.0	-0.2	-0.2	0.00	613.00
260.0	0.00	0.0	-0.2	-0.2	0.00	613.00
270.0	0.00	0.0	-0.2	-0.2	0.00	613.00
280.0	0.00	0.0	-0.2	-0.2	0.00	613.00
290.0	0.00	0.0	-0.2	-0.2	0.00	613.00
300.0	0.00	0.0	-0.2	-0.2	0.00	613.00
310.0	0.00	0.0	-0.2	-0.2	0.00	613.00
320.0	0.00	0.0	-0.2	-0.2	0.00	613.00
330.0	0.00	0.0	-0.2	-0.2	0.00	613.00
340.0	0.00	0.0	-0.2	-0.2	0.00	613.00
350.0	0.00	0.0	-0.2	-0.2	0.00	613.00
360.0	0.00	0.0	-0.2	-0.2	0.00	613.00
370.0	0.00	0.0	-0.2	-0.2	0.00	613.00
380.0	0.00	0.0	-0.2	-0.2	0.00	613.00
390.0	0.00	0.0	-0.2	-0.2	0.00	613.00
400.0	0.00	0.0	0.2	-0.2	0.00	613.00
410.0	0.00	0.0	-0.2	-0.2	0.00	613.00
420.0	0.00	0.0	-0.2	-0.2	0.00	613.00
430.0	0.00	0.0	-0.2	-0.2	0.00	613.00
440.0	0.00	0.0	-0.2	-0.2	0.00	613.00

and File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	-0.2	-0.2	0.00	613.00
460.0	0.00	0.0	-0.2	-0.2	0.00	613.00
470.0	0.00	0.0	-0.2	-0.2	0.00	613.00
480.0	0.00	0.0	-0.2	-0.2	0.00	613.00
490.0	0.00	0.0	-0.2	-0.2	0.00	613.00
500.0	0.00	0.0	-0.2	-0.2	0.00	613.00
510.0	0.00	0.0	-0.2	-0.2	0.00	613.00
520.0	0.00	0.0	-0.2	-0.2	0.00	613.00
530.0	0.00	0.0	-0.2	-0.2	0.00	613.00
540.0	0.00	0.0	-0.2	-0.2	0.00	613.00
550.0	0.00	0.0	-0.2	-0.2	0.00	613.00
560.0	0.00	0.0	-0.2	-0.2	0.00	613.00
570.0	0.00	0.0	-0.2	-0.2	0.00	613.00
580.0	0.00	0.0	-0.2	-0.2	0.00	613.00
590.0	0.00	0.0	-0.2	-0.2	0.00	613.00
600.0	0.00	0.0	-0.2	-0.2	0.00	613.00
610.0	0.00	0.0	-0.2	-0.2	0.00	613.00
620.0	0.00	0.0	-0.2	-0.2	0.00	613.00
630.0	0.00	0.0	-0.2	-0.2	0.00	613.00
640.0	0.00	0.0	-0.2	-0.2	0.00	613.00
650.0	0.00	0.0	-0.2	-0.2	0.00	613.00
660.0	0.00	0.0	-0.2	-0.2	0.00	613.00
670.0	0.00	0.0	-0.2	-0.2	0.00	613.00
680.0	0.00	0.0	-0.2	-0.2	0.00	613.00
690.0	0.00	0.0	-0.2	-0.2	0.00	613.00
700.0	0.00	0.0	-0.2	-0.2	0.00	613.00
710.0	0.00	0.0	-0.2	-0.2	0.00	613.00
720.0	0.00	0.0	-0.2	-0.2	0.00	613.00
730.0	0.00	0.0	-0.2	-0.2	0.00	613.00
740.0	0.00	0.0	-0.2	-0.2	0.00	613.00
750.0	0.00	0.0	-0.2	-0.2	0.00	613.00
760.0	0.00	0.0	-0.2	-0.2	0.00	613.00
770.0	0.00	0.0	-0.2	-0.2	0.00	613.00
780.0	0.00	0.0	-0.2	-0.2	0.00	613.00
790.0	0.00	0.0	-0.2	-0.2	0.00	613.00
800.0	0.00	0.0	-0.2	-0.2	0.00	613.00
810.0	0.00	0.0	-0.2	-0.2	0.00	613.00
820.0	0.00	0.0	-0.2	-0.2	0.00	613.00
830.0	0.00	0.0	-0.2	-0.2	0.00	613.00
840.0	0.00	0.0	-0.2	-0.2	0.00	613.00
850.0	0.00	0.0	-0.2	-0.2	0.00	613.00
860.0	0.00	0.0	-0.2	-0.2	0.00	613.00
870.0	0.00	0.0	-0.2	-0.2	0.00	613.00
880.0	0.00	0.0	-0.2	-0.2	0.00	613.00
890.0	0.00	0.0	-0.2	-0.2	0.00	613.00
900.0	0.00	0.0	-0.2	-0.2	0.00	613.00

and File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	-0.2	-0.2	0.00	613.00
920.0	0.00	0.0	-0.2	-0.2	0.00	613.00
930.0	0.00	0.0	-0.2	-0.2	0.00	613.00
940.0	0.00	0.0	-0.2	-0.2	0.00	613.00
950.0	0.00	0.0	-0.2	-0.2	0.00	613.00
960.0	0.00	0.0	-0.2	-0.2	0.00	613.00
970.0	0.00	0.0	-0.2	-0.2	0.00	613.00
980.0	0.00	0.0	-0.2	-0.2	0.00	613.00
990.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1000.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1010.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1020.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1030.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1040.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1050.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1060.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1070.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1080.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1090.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1100.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1110.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1120.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1130.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1140.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1150.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1160.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1170.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1180.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1190.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1200.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1210.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1220.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1230.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1240.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1250.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1260.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1270.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1280.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1290.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1300.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1310.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1320.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1330.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1340.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1350.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1360.0	0.00	0.0	-0.2	-0.2	0.00	613.00

ond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1380.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1390.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1400.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1410.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1420.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1430.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1440.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1450.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1460.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1470.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1480.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1490.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1500.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1510.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1520.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1530.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1540.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1550.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1560.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1570.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1580.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1590.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1600.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1610.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1620.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1630.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1640.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1650.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1660.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1670.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1680.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1690.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1700.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1710.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1720.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1730.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1740.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1750.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1760.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1770.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1780.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1790.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1800.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1810.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1820.0	0.00	0.0	-0.2	-0.2	0.00	613.00

and File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1840.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1850.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1860.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1870.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1880.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1890.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1900.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1910.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1920.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1930.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1940.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1950.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1960.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1970.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1980.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1990.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2000.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2010.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2020.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2030.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2040.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2050.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2060.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2070.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2080.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2090.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2100.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2110.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2120.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2130.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2140.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2150.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2160.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2170.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2180.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2190.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2200.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2210.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2220.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2230.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2240.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2250.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2260.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2270.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2280.0	0.00	0.0	-0.2	-0.2	0.00	613.00

and File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2300.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2310.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2320.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2330.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2340.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2350.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2360.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2370.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2380.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2390.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2400.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2410.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2420.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2430.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2440.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2450.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2460.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2470.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2480.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2490.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2500.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2510.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2520.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2530.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2540.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2550.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2560.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2570.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2580.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2590.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2600.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2610.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2620.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2630.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2640.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2650.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2660.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2670.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2680.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2690.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2700.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2710.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2720.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2730.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2740.0	0.00	0.0	-0.2	-0.2	0.00	613.00

ond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2760.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2770.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2780.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2790.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2800.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2810.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2820.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2830.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2840.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2850.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2860.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2870.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2880.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2890.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2900.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2910.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2920.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2930.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2940.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2950.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2960.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2970.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2980.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2990.0	0.00	0.0	-0.2	-0.2	0.00	613.00
3000.0	0.00	0.0	-0.2	-0.2	0.00	613.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN2 .PND
Inflow Hydrograph: J:\data\0203043\15B2 .HYD
Outflow Hydrograph: J:\data\0203043\B215 .HYD

Starting Pond W.S. Elevation = 613.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 24.65 cfs
Peak Outflow = 5.13 cfs
Peak Elevation = 616.37 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 23,507 cu-ft

Total Storage in Pond = 23,507 cu-ft

 *
 * BRIARCHASE *
 * DETENTION BASIN #2 *
 * REVISED 6/18/03 *
 * *
 * *

Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Rating Table file: J:\data\0203043\BASIN2 .PND

----INITIAL CONDITIONS----
 Elevation = 613.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
613.00	0.0	0	0.0	0.0
613.20	0.1	3	0.0	0.1
613.40	0.2	20	0.1	0.3
613.60	0.4	69	0.2	0.6
613.80	0.6	164	0.5	1.1
614.00	0.8	320	1.1	1.9
614.20	1.1	583	1.9	3.0
614.40	1.4	1,016	3.4	4.8
614.60	1.7	1,661	5.5	7.2
614.80	2.0	2,562	8.5	10.5
615.00	2.3	3,760	12.5	14.8
615.20	2.7	5,309	17.7	20.4
615.40	3.1	7,262	24.2	27.3
615.60	3.5	9,669	32.2	35.7
615.80	3.9	12,575	41.9	45.8
616.00	4.3	16,029	53.4	57.7
616.20	4.7	19,911	66.4	71.1
616.40	5.2	24,078	80.3	85.5
616.60	5.6	28,537	95.1	100.7
616.80	6.1	33,302	111.0	117.1
617.00	6.6	38,381	127.9	134.5
617.20	10.5	43,673	145.6	156.1
617.40	17.1	49,069	163.6	180.7
617.60	24.6	54,570	181.9	206.5
617.80	29.0	60,179	200.6	229.6
618.00	32.8	65,895	219.6	252.4
618.20	36.1	71,712	239.0	275.1
618.40	39.1	77,620	258.7	297.8
618.60	41.9	83,621	278.7	320.6
618.80	44.4	89,717	299.1	343.5
619.00	46.9	95,907	319.7	366.6

Time increment (t) = 10.0 min.

and File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	613.00
10.0	30.41	30.4	23.9	30.4	3.25	615.47
20.0	30.41	60.8	74.4	84.7	5.17	616.39
30.0	0.00	30.4	93.3	104.8	5.72	616.65
40.0	0.00	0.0	82.5	93.3	5.41	616.50
50.0	0.00	0.0	72.3	82.5	5.10	616.36
60.0	0.00	0.0	62.8	72.3	4.74	616.22
70.0	0.00	0.0	53.9	62.8	4.45	616.08
80.0	0.00	0.0	45.6	53.9	4.17	615.94
90.0	0.00	0.0	37.8	45.6	3.89	615.80
100.0	0.00	0.0	30.6	37.8	3.58	615.64
110.0	0.00	0.0	24.1	30.6	3.26	615.48
120.0	0.00	0.0	18.3	24.1	2.92	615.31
130.0	0.00	0.0	13.2	18.3	2.55	615.12
140.0	0.00	0.0	8.8	13.2	2.19	614.92
150.0	0.00	0.0	5.1	8.8	1.84	614.70
160.0	0.00	0.0	2.3	5.1	1.44	614.43
170.0	0.00	0.0	0.5	2.3	0.90	614.07
180.0	0.00	0.0	-0.2	0.5	0.30	613.50
190.0	0.00	0.0	-0.2	-0.2	0.00	613.00
200.0	0.00	0.0	-0.2	-0.2	0.00	613.00
210.0	0.00	0.0	-0.2	-0.2	0.00	613.00
220.0	0.00	0.0	-0.2	-0.2	0.00	613.00
230.0	0.00	0.0	-0.2	-0.2	0.00	613.00
240.0	0.00	0.0	-0.2	-0.2	0.00	613.00
250.0	0.00	0.0	-0.2	-0.2	0.00	613.00
260.0	0.00	0.0	-0.2	-0.2	0.00	613.00
270.0	0.00	0.0	-0.2	-0.2	0.00	613.00
280.0	0.00	0.0	-0.2	-0.2	0.00	613.00
290.0	0.00	0.0	-0.2	-0.2	0.00	613.00
300.0	0.00	0.0	-0.2	-0.2	0.00	613.00
310.0	0.00	0.0	-0.2	-0.2	0.00	613.00
320.0	0.00	0.0	-0.2	-0.2	0.00	613.00
330.0	0.00	0.0	-0.2	-0.2	0.00	613.00
340.0	0.00	0.0	-0.2	-0.2	0.00	613.00
350.0	0.00	0.0	-0.2	-0.2	0.00	613.00
360.0	0.00	0.0	-0.2	-0.2	0.00	613.00
370.0	0.00	0.0	-0.2	-0.2	0.00	613.00
380.0	0.00	0.0	-0.2	-0.2	0.00	613.00
390.0	0.00	0.0	-0.2	-0.2	0.00	613.00
400.0	0.00	0.0	-0.2	-0.2	0.00	613.00
410.0	0.00	0.0	-0.2	-0.2	0.00	613.00
420.0	0.00	0.0	-0.2	-0.2	0.00	613.00
430.0	0.00	0.0	-0.2	-0.2	0.00	613.00
440.0	0.00	0.0	-0.2	-0.2	0.00	613.00

and File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	-0.2	-0.2	0.00	613.00
460.0	0.00	0.0	-0.2	-0.2	0.00	613.00
470.0	0.00	0.0	-0.2	-0.2	0.00	613.00
480.0	0.00	0.0	-0.2	-0.2	0.00	613.00
490.0	0.00	0.0	-0.2	-0.2	0.00	613.00
500.0	0.00	0.0	-0.2	-0.2	0.00	613.00
510.0	0.00	0.0	-0.2	-0.2	0.00	613.00
520.0	0.00	0.0	-0.2	-0.2	0.00	613.00
530.0	0.00	0.0	-0.2	-0.2	0.00	613.00
540.0	0.00	0.0	-0.2	-0.2	0.00	613.00
550.0	0.00	0.0	-0.2	-0.2	0.00	613.00
560.0	0.00	0.0	-0.2	-0.2	0.00	613.00
570.0	0.00	0.0	-0.2	-0.2	0.00	613.00
580.0	0.00	0.0	-0.2	-0.2	0.00	613.00
590.0	0.00	0.0	-0.2	-0.2	0.00	613.00
600.0	0.00	0.0	-0.2	-0.2	0.00	613.00
610.0	0.00	0.0	-0.2	-0.2	0.00	613.00
620.0	0.00	0.0	-0.2	-0.2	0.00	613.00
630.0	0.00	0.0	-0.2	-0.2	0.00	613.00
640.0	0.00	0.0	-0.2	-0.2	0.00	613.00
650.0	0.00	0.0	-0.2	-0.2	0.00	613.00
660.0	0.00	0.0	-0.2	-0.2	0.00	613.00
670.0	0.00	0.0	-0.2	-0.2	0.00	613.00
680.0	0.00	0.0	-0.2	-0.2	0.00	613.00
690.0	0.00	0.0	-0.2	-0.2	0.00	613.00
700.0	0.00	0.0	-0.2	-0.2	0.00	613.00
710.0	0.00	0.0	-0.2	-0.2	0.00	613.00
720.0	0.00	0.0	-0.2	-0.2	0.00	613.00
730.0	0.00	0.0	-0.2	-0.2	0.00	613.00
740.0	0.00	0.0	-0.2	-0.2	0.00	613.00
750.0	0.00	0.0	-0.2	-0.2	0.00	613.00
760.0	0.00	0.0	-0.2	-0.2	0.00	613.00
770.0	0.00	0.0	-0.2	-0.2	0.00	613.00
780.0	0.00	0.0	-0.2	-0.2	0.00	613.00
790.0	0.00	0.0	-0.2	-0.2	0.00	613.00
800.0	0.00	0.0	-0.2	-0.2	0.00	613.00
810.0	0.00	0.0	-0.2	-0.2	0.00	613.00
820.0	0.00	0.0	-0.2	-0.2	0.00	613.00
830.0	0.00	0.0	-0.2	-0.2	0.00	613.00
840.0	0.00	0.0	-0.2	-0.2	0.00	613.00
850.0	0.00	0.0	-0.2	-0.2	0.00	613.00
860.0	0.00	0.0	-0.2	-0.2	0.00	613.00
870.0	0.00	0.0	-0.2	-0.2	0.00	613.00
880.0	0.00	0.0	-0.2	-0.2	0.00	613.00
890.0	0.00	0.0	-0.2	-0.2	0.00	613.00
900.0	0.00	0.0	-0.2	-0.2	0.00	613.00

ond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	-0.2	-0.2	0.00	613.00
920.0	0.00	0.0	-0.2	-0.2	0.00	613.00
930.0	0.00	0.0	-0.2	-0.2	0.00	613.00
940.0	0.00	0.0	-0.2	-0.2	0.00	613.00
950.0	0.00	0.0	-0.2	-0.2	0.00	613.00
960.0	0.00	0.0	-0.2	-0.2	0.00	613.00
970.0	0.00	0.0	-0.2	-0.2	0.00	613.00
980.0	0.00	0.0	-0.2	-0.2	0.00	613.00
990.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1000.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1010.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1020.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1030.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1040.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1050.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1060.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1070.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1080.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1090.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1100.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1110.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1120.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1130.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1140.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1150.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1160.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1170.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1180.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1190.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1200.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1210.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1220.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1230.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1240.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1250.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1260.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1270.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1280.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1290.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1300.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1310.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1320.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1330.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1340.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1350.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1360.0	0.00	0.0	-0.2	-0.2	0.00	613.00

ond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1380.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1390.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1400.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1410.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1420.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1430.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1440.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1450.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1460.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1470.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1480.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1490.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1500.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1510.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1520.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1530.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1540.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1550.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1560.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1570.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1580.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1590.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1600.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1610.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1620.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1630.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1640.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1650.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1660.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1670.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1680.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1690.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1700.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1710.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1720.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1730.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1740.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1750.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1760.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1770.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1780.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1790.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1800.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1810.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1820.0	0.00	0.0	-0.2	-0.2	0.00	613.00

Pond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1840.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1850.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1860.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1870.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1880.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1890.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1900.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1910.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1920.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1930.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1940.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1950.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1960.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1970.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1980.0	0.00	0.0	-0.2	-0.2	0.00	613.00
1990.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2000.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2010.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2020.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2030.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2040.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2050.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2060.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2070.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2080.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2090.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2100.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2110.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2120.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2130.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2140.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2150.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2160.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2170.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2180.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2190.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2200.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2210.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2220.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2230.0	0.00	0.0	0.2	-0.2	0.00	613.00
2240.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2250.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2260.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2270.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2280.0	0.00	0.0	0.2	-0.2	0.00	613.00

ond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2300.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2310.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2320.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2330.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2340.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2350.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2360.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2370.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2380.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2390.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2400.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2410.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2420.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2430.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2440.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2450.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2460.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2470.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2480.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2490.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2500.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2510.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2520.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2530.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2540.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2550.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2560.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2570.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2580.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2590.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2600.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2610.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2620.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2630.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2640.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2650.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2660.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2670.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2680.0	0.00	0.0	0.2	-0.2	0.00	613.00
2690.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2700.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2710.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2720.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2730.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2740.0	0.00	0.0	-0.2	-0.2	0.00	613.00

Pond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2760.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2770.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2780.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2790.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2800.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2810.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2820.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2830.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2840.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2850.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2860.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2870.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2880.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2890.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2900.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2910.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2920.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2930.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2940.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2950.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2960.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2970.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2980.0	0.00	0.0	-0.2	-0.2	0.00	613.00
2990.0	0.00	0.0	-0.2	-0.2	0.00	613.00
3000.0	0.00	0.0	-0.2	-0.2	0.00	613.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN2 .PND
Inflow Hydrograph: J:\data\0203043\25B2 .HYD
Outflow Hydrograph: J:\data\0203043\B225 .HYD

Starting Pond W.S. Elevation = 613.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 30.41 cfs
Peak Outflow = 5.72 cfs
Peak Elevation = 616.65 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 29,722 cu-ft

Total Storage in Pond = 29,722 cu-ft

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*****
*
*          BRIARCHASE          *
*    DETENTION BASIN #2      *
*    REVISED 6/18/03        *
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*
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Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Rating Table file: J:\data\0203043\BASIN2 .PND

----INITIAL CONDITIONS----
 Elevation = 613.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
613.00	0.0	0	0.0	0.0
613.20	0.1	3	0.0	0.1
613.40	0.2	20	0.1	0.3
613.60	0.4	69	0.2	0.6
613.80	0.6	164	0.5	1.1
614.00	0.8	320	1.1	1.9
614.20	1.1	583	1.9	3.0
614.40	1.4	1,016	3.4	4.8
614.60	1.7	1,661	5.5	7.2
614.80	2.0	2,562	8.5	10.5
615.00	2.3	3,760	12.5	14.8
615.20	2.7	5,309	17.7	20.4
615.40	3.1	7,262	24.2	27.3
615.60	3.5	9,669	32.2	35.7
615.80	3.9	12,575	41.9	45.8
616.00	4.3	16,029	53.4	57.7
616.20	4.7	19,911	66.4	71.1
616.40	5.2	24,078	80.3	85.5
616.60	5.6	28,537	95.1	100.7
616.80	6.1	33,302	111.0	117.1
617.00	6.6	38,381	127.9	134.5
617.20	10.5	43,673	145.6	156.1
617.40	17.1	49,069	163.6	180.7
617.60	24.6	54,570	181.9	206.5
617.80	29.0	60,179	200.6	229.6
618.00	32.8	65,895	219.6	252.4
618.20	36.1	71,712	239.0	275.1
618.40	39.1	77,620	258.7	297.8
618.60	41.9	83,621	278.7	320.6
618.80	44.4	89,717	299.1	343.5
619.00	46.9	95,907	319.7	366.6

Time increment (t) = 10.0 min.

Sound File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	----	0.0	0.0	0.00	613.00
10.0	39.02	39.0	31.8	39.0	3.63	615.67
20.0	39.02	78.0	98.0	109.8	5.88	616.71
30.0	0.00	39.0	122.9	137.1	7.06	617.02
40.0	0.00	0.0	110.4	122.9	6.27	616.87
50.0	0.00	0.0	98.6	110.4	5.90	616.72
60.0	0.00	0.0	87.5	98.6	5.54	616.57
70.0	0.00	0.0	77.0	87.5	5.25	616.43
80.0	0.00	0.0	67.2	77.0	4.91	616.28
90.0	0.00	0.0	58.0	67.2	4.58	616.14
100.0	0.00	0.0	49.4	58.0	4.31	616.00
110.0	0.00	0.0	41.4	49.4	4.02	615.86
120.0	0.00	0.0	33.9	41.4	3.72	615.71
130.0	0.00	0.0	27.1	33.9	3.41	615.56
140.0	0.00	0.0	20.9	27.1	3.09	615.39
150.0	0.00	0.0	15.5	20.9	2.73	615.22
160.0	0.00	0.0	10.8	15.5	2.35	615.02
170.0	0.00	0.0	6.7	10.8	2.02	614.81
180.0	0.00	0.0	3.5	6.7	1.64	614.56
190.0	0.00	0.0	1.1	3.5	1.17	614.25
200.0	0.00	0.0	-0.1	1.1	0.59	613.79
210.0	0.00	0.0	-0.1	-0.1	0.00	613.00
220.0	0.00	0.0	-0.1	-0.1	0.00	613.00
230.0	0.00	0.0	-0.1	-0.1	0.00	613.00
240.0	0.00	0.0	-0.1	-0.1	0.00	613.00
250.0	0.00	0.0	-0.1	-0.1	0.00	613.00
260.0	0.00	0.0	-0.1	-0.1	0.00	613.00
270.0	0.00	0.0	-0.1	-0.1	0.00	613.00
280.0	0.00	0.0	-0.1	-0.1	0.00	613.00
290.0	0.00	0.0	-0.1	-0.1	0.00	613.00
300.0	0.00	0.0	-0.1	-0.1	0.00	613.00
310.0	0.00	0.0	-0.1	-0.1	0.00	613.00
320.0	0.00	0.0	-0.1	-0.1	0.00	613.00
330.0	0.00	0.0	-0.1	-0.1	0.00	613.00
340.0	0.00	0.0	-0.1	-0.1	0.00	613.00
350.0	0.00	0.0	-0.1	-0.1	0.00	613.00
360.0	0.00	0.0	-0.1	-0.1	0.00	613.00
370.0	0.00	0.0	-0.1	-0.1	0.00	613.00
380.0	0.00	0.0	-0.1	-0.1	0.00	613.00
390.0	0.00	0.0	-0.1	-0.1	0.00	613.00
400.0	0.00	0.0	-0.1	-0.1	0.00	613.00
410.0	0.00	0.0	-0.1	-0.1	0.00	613.00
420.0	0.00	0.0	-0.1	-0.1	0.00	613.00
430.0	0.00	0.0	-0.1	-0.1	0.00	613.00
440.0	0.00	0.0	-0.1	-0.1	0.00	613.00

Ind File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	-0.1	-0.1	0.00	613.00
460.0	0.00	0.0	-0.1	-0.1	0.00	613.00
470.0	0.00	0.0	-0.1	-0.1	0.00	613.00
480.0	0.00	0.0	-0.1	-0.1	0.00	613.00
490.0	0.00	0.0	-0.1	-0.1	0.00	613.00
500.0	0.00	0.0	-0.1	-0.1	0.00	613.00
510.0	0.00	0.0	-0.1	-0.1	0.00	613.00
520.0	0.00	0.0	-0.1	-0.1	0.00	613.00
530.0	0.00	0.0	-0.1	-0.1	0.00	613.00
540.0	0.00	0.0	-0.1	-0.1	0.00	613.00
550.0	0.00	0.0	-0.1	-0.1	0.00	613.00
560.0	0.00	0.0	-0.1	-0.1	0.00	613.00
570.0	0.00	0.0	-0.1	-0.1	0.00	613.00
580.0	0.00	0.0	-0.1	-0.1	0.00	613.00
590.0	0.00	0.0	-0.1	-0.1	0.00	613.00
600.0	0.00	0.0	-0.1	-0.1	0.00	613.00
610.0	0.00	0.0	-0.1	-0.1	0.00	613.00
620.0	0.00	0.0	-0.1	-0.1	0.00	613.00
630.0	0.00	0.0	-0.1	-0.1	0.00	613.00
640.0	0.00	0.0	-0.1	-0.1	0.00	613.00
650.0	0.00	0.0	-0.1	-0.1	0.00	613.00
660.0	0.00	0.0	-0.1	-0.1	0.00	613.00
670.0	0.00	0.0	-0.1	-0.1	0.00	613.00
680.0	0.00	0.0	-0.1	-0.1	0.00	613.00
690.0	0.00	0.0	-0.1	-0.1	0.00	613.00
700.0	0.00	0.0	-0.1	-0.1	0.00	613.00
710.0	0.00	0.0	-0.1	-0.1	0.00	613.00
720.0	0.00	0.0	-0.1	-0.1	0.00	613.00
730.0	0.00	0.0	-0.1	-0.1	0.00	613.00
740.0	0.00	0.0	-0.1	-0.1	0.00	613.00
750.0	0.00	0.0	-0.1	-0.1	0.00	613.00
760.0	0.00	0.0	-0.1	-0.1	0.00	613.00
770.0	0.00	0.0	-0.1	-0.1	0.00	613.00
780.0	0.00	0.0	-0.1	-0.1	0.00	613.00
790.0	0.00	0.0	-0.1	-0.1	0.00	613.00
800.0	0.00	0.0	-0.1	-0.1	0.00	613.00
810.0	0.00	0.0	-0.1	-0.1	0.00	613.00
820.0	0.00	0.0	-0.1	-0.1	0.00	613.00
830.0	0.00	0.0	-0.1	-0.1	0.00	613.00
840.0	0.00	0.0	-0.1	-0.1	0.00	613.00
850.0	0.00	0.0	-0.1	-0.1	0.00	613.00
860.0	0.00	0.0	-0.1	-0.1	0.00	613.00
870.0	0.00	0.0	-0.1	-0.1	0.00	613.00
880.0	0.00	0.0	-0.1	-0.1	0.00	613.00
890.0	0.00	0.0	-0.1	-0.1	0.00	613.00
900.0	0.00	0.0	-0.1	-0.1	0.00	613.00

Pond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	-0.1	-0.1	0.00	613.00
920.0	0.00	0.0	-0.1	-0.1	0.00	613.00
930.0	0.00	0.0	-0.1	-0.1	0.00	613.00
940.0	0.00	0.0	-0.1	-0.1	0.00	613.00
950.0	0.00	0.0	-0.1	-0.1	0.00	613.00
960.0	0.00	0.0	-0.1	-0.1	0.00	613.00
970.0	0.00	0.0	-0.1	-0.1	0.00	613.00
980.0	0.00	0.0	-0.1	-0.1	0.00	613.00
990.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1000.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1010.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1020.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1030.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1040.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1050.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1060.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1070.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1080.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1090.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1100.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1110.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1120.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1130.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1140.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1150.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1160.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1170.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1180.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1190.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1200.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1210.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1220.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1230.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1240.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1250.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1260.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1270.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1280.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1290.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1300.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1310.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1320.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1330.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1340.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1350.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1360.0	0.00	0.0	-0.1	-0.1	0.00	613.00

_ond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1380.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1390.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1400.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1410.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1420.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1430.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1440.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1450.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1460.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1470.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1480.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1490.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1500.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1510.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1520.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1530.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1540.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1550.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1560.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1570.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1580.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1590.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1600.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1610.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1620.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1630.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1640.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1650.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1660.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1670.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1680.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1690.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1700.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1710.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1720.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1730.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1740.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1750.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1760.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1770.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1780.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1790.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1800.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1810.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1820.0	0.00	0.0	-0.1	-0.1	0.00	613.00

_ond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1840.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1850.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1860.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1870.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1880.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1890.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1900.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1910.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1920.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1930.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1940.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1950.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1960.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1970.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1980.0	0.00	0.0	-0.1	-0.1	0.00	613.00
1990.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2000.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2010.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2020.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2030.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2040.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2050.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2060.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2070.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2080.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2090.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2100.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2110.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2120.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2130.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2140.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2150.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2160.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2170.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2180.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2190.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2200.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2210.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2220.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2230.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2240.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2250.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2260.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2270.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2280.0	0.00	0.0	0.1	-0.1	0.00	613.00

Pond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2300.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2310.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2320.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2330.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2340.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2350.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2360.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2370.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2380.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2390.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2400.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2410.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2420.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2430.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2440.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2450.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2460.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2470.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2480.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2490.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2500.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2510.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2520.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2530.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2540.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2550.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2560.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2570.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2580.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2590.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2600.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2610.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2620.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2630.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2640.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2650.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2660.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2670.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2680.0	0.00	0.0	0.1	-0.1	0.00	613.00
2690.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2700.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2710.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2720.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2730.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2740.0	0.00	0.0	-0.1	-0.1	0.00	613.00

Pond File: J:\data\0203043\BASIN2 .PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2760.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2770.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2780.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2790.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2800.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2810.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2820.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2830.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2840.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2850.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2860.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2870.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2880.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2890.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2900.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2910.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2920.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2930.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2940.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2950.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2960.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2970.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2980.0	0.00	0.0	-0.1	-0.1	0.00	613.00
2990.0	0.00	0.0	-0.1	-0.1	0.00	613.00
3000.0	0.00	0.0	-0.1	-0.1	0.00	613.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN2 .PND
Inflow Hydrograph: J:\data\0203043\100B2 .HYD
Outflow Hydrograph: J:\data\0203043\B2100 .HYD

Starting Pond W.S. Elevation = 613.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 39.02 cfs
Peak Outflow = 7.06 cfs
Peak Elevation = 617.02 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 39,003 cu-ft

Total Storage in Pond = 39,003 cu-ft

Outlet Structure File: BASIN2BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRIARCHASE, 02-03-043
OVERFLOW STRUCTURE, BLOCKED LOW FLOW
DETENTION BASIN #2
11/11/02

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
617.00	0.0	3
617.20	3.4	3
617.40	9.5	3
617.60	16.3	4
617.80	20.4	4
618.00	23.8	4
618.20	26.8	4
618.40	29.5	4
618.60	31.9	4
618.80	34.2	4
619.00	36.4	4

Outlet Structure File: BASIN2BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

```
*****  
BRIARCHASE, 02-03-043  
OVERFLOW STRUCTURE, BLOCKED LOW FLOW  
DETENTION BASIN #2  
11/11/02  
*****
```

Outlet Structure File: J:\data\0203043\BASIN2BL.STR
Planimeter Input File: J:\data\0203043\BASIN2RE.VOL
Rating Table Output File: J:\data\0203043\BASIN2BL.PND

Min. Elev.(ft) = 617 Max. Elev.(ft) = 619 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

```
*****  
SYSTEM CONNECTIVITY  
*****
```

Structure	No.	Q Table	Q Table
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
J:\data\0203043\BASIN2BL.PND

Outlet Structure File: BASIN2BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

```
*****  
BRIARCHASE, 02-03-043  
OVERFLOW STRUCTURE, BLOCKED LOW FLOW  
DETENTION BASIN #2  
11/11/02  
*****
```

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	617
E2 elev.(ft)?	617.5
Weir coefficient?	3.3
Weir elev.(ft)?	617
Length (ft)?	11.42
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN2BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

```
*****  
BRIARCHASE, 02-03-043  
OVERFLOW STRUCTURE, BLOCKED LOW FLOW  
DETENTION BASIN #2  
11/11/02  
*****
```

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE
Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	617.5
E2 elev.(ft)?	619.001
Orifice coeff.?	.6
Invert elev.(ft)?	617
Datum elev.(ft) ?	617.25
Orifice area (sq ft)?	5.71


```
*****
*
*          BRIARCHASE
*   DETENTION BASIN #2
*   BLOCKED LOW FLOW
*   REVISED 6/18/03
*
*****
```

Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Rating Table file: J:\data\0203043\BASIN2BL.PND

----INITIAL CONDITIONS----
 Elevation = 617.00 ft
 Outflow = 0.00 cfs
 Storage = 38,381 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
617.00	0.0	38,381	127.9	127.9
617.20	3.4	43,673	145.6	149.0
617.40	9.5	49,069	163.6	173.1
617.60	16.3	54,570	181.9	198.2
617.80	20.4	60,179	200.6	221.0
618.00	23.8	65,895	219.6	243.4
618.20	26.8	71,712	239.0	265.8
618.40	29.5	77,620	258.7	288.2
618.60	31.9	83,621	278.7	310.6
618.80	34.2	89,717	299.1	333.3
619.00	36.4	95,907	319.7	356.1

Time increment (t) = 10.0 min.

Pond File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	127.9	127.9	0.00	617.00
10.0	15.14	15.1	138.2	143.1	2.45	617.14
20.0	15.14	30.3	151.8	168.5	8.34	617.36
30.0	0.00	15.1	151.0	166.9	7.95	617.35
40.0	0.00	0.0	143.2	151.0	3.92	617.22
50.0	0.00	0.0	138.3	143.2	2.47	617.15
60.0	0.00	0.0	134.9	138.3	1.67	617.10
70.0	0.00	0.0	132.7	134.9	1.13	617.07
80.0	0.00	0.0	131.1	132.7	0.76	617.04
90.0	0.00	0.0	130.1	131.1	0.52	617.03
100.0	0.00	0.0	129.4	130.1	0.35	617.02
110.0	0.00	0.0	128.9	129.4	0.24	617.01
120.0	0.00	0.0	128.6	128.9	0.16	617.01
130.0	0.00	0.0	128.4	128.6	0.11	617.01
140.0	0.00	0.0	128.2	128.4	0.07	617.00
150.0	0.00	0.0	128.1	128.2	0.05	617.00
160.0	0.00	0.0	128.1	128.1	0.03	617.00
170.0	0.00	0.0	128.0	128.1	0.02	617.00
180.0	0.00	0.0	128.0	128.0	0.02	617.00
190.0	0.00	0.0	128.0	128.0	0.01	617.00
200.0	0.00	0.0	128.0	128.0	0.01	617.00
210.0	0.00	0.0	128.0	128.0	0.00	617.00
220.0	0.00	0.0	128.0	128.0	0.00	617.00
230.0	0.00	0.0	127.9	128.0	0.00	617.00
240.0	0.00	0.0	127.9	127.9	0.00	617.00
250.0	0.00	0.0	127.9	127.9	0.00	617.00
260.0	0.00	0.0	127.9	127.9	0.00	617.00
270.0	0.00	0.0	127.9	127.9	0.00	617.00
280.0	0.00	0.0	127.9	127.9	0.00	617.00
290.0	0.00	0.0	127.9	127.9	0.00	617.00
300.0	0.00	0.0	127.9	127.9	0.00	617.00
310.0	0.00	0.0	127.9	127.9	0.00	617.00
320.0	0.00	0.0	127.9	127.9	0.00	617.00
330.0	0.00	0.0	127.9	127.9	0.00	617.00
340.0	0.00	0.0	127.9	127.9	0.00	617.00
350.0	0.00	0.0	127.9	127.9	0.00	617.00
360.0	0.00	0.0	127.9	127.9	0.00	617.00
370.0	0.00	0.0	127.9	127.9	0.00	617.00
380.0	0.00	0.0	127.9	127.9	0.00	617.00
390.0	0.00	0.0	127.9	127.9	0.00	617.00
400.0	0.00	0.0	127.9	127.9	0.00	617.00
410.0	0.00	0.0	127.9	127.9	0.00	617.00
420.0	0.00	0.0	127.9	127.9	0.00	617.00
430.0	0.00	0.0	127.9	127.9	0.00	617.00
440.0	0.00	0.0	127.9	127.9	0.00	617.00

Pond File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	127.9	127.9	0.00	617.00
460.0	0.00	0.0	127.9	127.9	0.00	617.00
470.0	0.00	0.0	127.9	127.9	0.00	617.00
480.0	0.00	0.0	127.9	127.9	0.00	617.00
490.0	0.00	0.0	127.9	127.9	0.00	617.00
500.0	0.00	0.0	127.9	127.9	0.00	617.00
510.0	0.00	0.0	127.9	127.9	0.00	617.00
520.0	0.00	0.0	127.9	127.9	0.00	617.00
530.0	0.00	0.0	127.9	127.9	0.00	617.00
540.0	0.00	0.0	127.9	127.9	0.00	617.00
550.0	0.00	0.0	127.9	127.9	0.00	617.00
560.0	0.00	0.0	127.9	127.9	0.00	617.00
570.0	0.00	0.0	127.9	127.9	0.00	617.00
580.0	0.00	0.0	127.9	127.9	0.00	617.00
590.0	0.00	0.0	127.9	127.9	0.00	617.00
600.0	0.00	0.0	127.9	127.9	0.00	617.00
610.0	0.00	0.0	127.9	127.9	0.00	617.00
620.0	0.00	0.0	127.9	127.9	0.00	617.00
630.0	0.00	0.0	127.9	127.9	0.00	617.00
640.0	0.00	0.0	127.9	127.9	0.00	617.00
650.0	0.00	0.0	127.9	127.9	0.00	617.00
660.0	0.00	0.0	127.9	127.9	0.00	617.00
670.0	0.00	0.0	127.9	127.9	0.00	617.00
680.0	0.00	0.0	127.9	127.9	0.00	617.00
690.0	0.00	0.0	127.9	127.9	0.00	617.00
700.0	0.00	0.0	127.9	127.9	0.00	617.00
710.0	0.00	0.0	127.9	127.9	0.00	617.00
720.0	0.00	0.0	127.9	127.9	0.00	617.00
730.0	0.00	0.0	127.9	127.9	0.00	617.00
740.0	0.00	0.0	127.9	127.9	0.00	617.00
750.0	0.00	0.0	127.9	127.9	0.00	617.00
760.0	0.00	0.0	127.9	127.9	0.00	617.00
770.0	0.00	0.0	127.9	127.9	0.00	617.00
780.0	0.00	0.0	127.9	127.9	0.00	617.00
790.0	0.00	0.0	127.9	127.9	0.00	617.00
800.0	0.00	0.0	127.9	127.9	0.00	617.00
810.0	0.00	0.0	127.9	127.9	0.00	617.00
820.0	0.00	0.0	127.9	127.9	0.00	617.00
830.0	0.00	0.0	127.9	127.9	0.00	617.00
840.0	0.00	0.0	127.9	127.9	0.00	617.00
850.0	0.00	0.0	127.9	127.9	0.00	617.00
860.0	0.00	0.0	127.9	127.9	0.00	617.00
870.0	0.00	0.0	127.9	127.9	0.00	617.00
880.0	0.00	0.0	127.9	127.9	0.00	617.00
890.0	0.00	0.0	127.9	127.9	0.00	617.00
900.0	0.00	0.0	127.9	127.9	0.00	617.00

and File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	127.9	127.9	0.00	617.00
920.0	0.00	0.0	127.9	127.9	0.00	617.00
930.0	0.00	0.0	127.9	127.9	0.00	617.00
940.0	0.00	0.0	127.9	127.9	0.00	617.00
950.0	0.00	0.0	127.9	127.9	0.00	617.00
960.0	0.00	0.0	127.9	127.9	0.00	617.00
970.0	0.00	0.0	127.9	127.9	0.00	617.00
980.0	0.00	0.0	127.9	127.9	0.00	617.00
990.0	0.00	0.0	127.9	127.9	0.00	617.00
1000.0	0.00	0.0	127.9	127.9	0.00	617.00
1010.0	0.00	0.0	127.9	127.9	0.00	617.00
1020.0	0.00	0.0	127.9	127.9	0.00	617.00
1030.0	0.00	0.0	127.9	127.9	0.00	617.00
1040.0	0.00	0.0	127.9	127.9	0.00	617.00
1050.0	0.00	0.0	127.9	127.9	0.00	617.00
1060.0	0.00	0.0	127.9	127.9	0.00	617.00
1070.0	0.00	0.0	127.9	127.9	0.00	617.00
1080.0	0.00	0.0	127.9	127.9	0.00	617.00
1090.0	0.00	0.0	127.9	127.9	0.00	617.00
1100.0	0.00	0.0	127.9	127.9	0.00	617.00
1110.0	0.00	0.0	127.9	127.9	0.00	617.00
1120.0	0.00	0.0	127.9	127.9	0.00	617.00
1130.0	0.00	0.0	127.9	127.9	0.00	617.00
1140.0	0.00	0.0	127.9	127.9	0.00	617.00
1150.0	0.00	0.0	127.9	127.9	0.00	617.00
1160.0	0.00	0.0	127.9	127.9	0.00	617.00
1170.0	0.00	0.0	127.9	127.9	0.00	617.00
1180.0	0.00	0.0	127.9	127.9	0.00	617.00
1190.0	0.00	0.0	127.9	127.9	0.00	617.00
1200.0	0.00	0.0	127.9	127.9	0.00	617.00
1210.0	0.00	0.0	127.9	127.9	0.00	617.00
1220.0	0.00	0.0	127.9	127.9	0.00	617.00
1230.0	0.00	0.0	127.9	127.9	0.00	617.00
1240.0	0.00	0.0	127.9	127.9	0.00	617.00
1250.0	0.00	0.0	127.9	127.9	0.00	617.00
1260.0	0.00	0.0	127.9	127.9	0.00	617.00
1270.0	0.00	0.0	127.9	127.9	0.00	617.00
1280.0	0.00	0.0	127.9	127.9	0.00	617.00
1290.0	0.00	0.0	127.9	127.9	0.00	617.00
1300.0	0.00	0.0	127.9	127.9	0.00	617.00
1310.0	0.00	0.0	127.9	127.9	0.00	617.00
1320.0	0.00	0.0	127.9	127.9	0.00	617.00
1330.0	0.00	0.0	127.9	127.9	0.00	617.00
1340.0	0.00	0.0	127.9	127.9	0.00	617.00
1350.0	0.00	0.0	127.9	127.9	0.00	617.00
1360.0	0.00	0.0	127.9	127.9	0.00	617.00

ond File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	127.9	127.9	0.00	617.00
1380.0	0.00	0.0	127.9	127.9	0.00	617.00
1390.0	0.00	0.0	127.9	127.9	0.00	617.00
1400.0	0.00	0.0	127.9	127.9	0.00	617.00
1410.0	0.00	0.0	127.9	127.9	0.00	617.00
1420.0	0.00	0.0	127.9	127.9	0.00	617.00
1430.0	0.00	0.0	127.9	127.9	0.00	617.00
1440.0	0.00	0.0	127.9	127.9	0.00	617.00
1450.0	0.00	0.0	127.9	127.9	0.00	617.00
1460.0	0.00	0.0	127.9	127.9	0.00	617.00
1470.0	0.00	0.0	127.9	127.9	0.00	617.00
1480.0	0.00	0.0	127.9	127.9	0.00	617.00
1490.0	0.00	0.0	127.9	127.9	0.00	617.00
1500.0	0.00	0.0	127.9	127.9	0.00	617.00
1510.0	0.00	0.0	127.9	127.9	0.00	617.00
1520.0	0.00	0.0	127.9	127.9	0.00	617.00
530.0	0.00	0.0	127.9	127.9	0.00	617.00
1540.0	0.00	0.0	127.9	127.9	0.00	617.00
1550.0	0.00	0.0	127.9	127.9	0.00	617.00
1560.0	0.00	0.0	127.9	127.9	0.00	617.00
1570.0	0.00	0.0	127.9	127.9	0.00	617.00
1580.0	0.00	0.0	127.9	127.9	0.00	617.00
1590.0	0.00	0.0	127.9	127.9	0.00	617.00
1600.0	0.00	0.0	127.9	127.9	0.00	617.00
1610.0	0.00	0.0	127.9	127.9	0.00	617.00
1620.0	0.00	0.0	127.9	127.9	0.00	617.00
1630.0	0.00	0.0	127.9	127.9	0.00	617.00
1640.0	0.00	0.0	127.9	127.9	0.00	617.00
1650.0	0.00	0.0	127.9	127.9	0.00	617.00
1660.0	0.00	0.0	127.9	127.9	0.00	617.00
1670.0	0.00	0.0	127.9	127.9	0.00	617.00
1680.0	0.00	0.0	127.9	127.9	0.00	617.00
1690.0	0.00	0.0	127.9	127.9	0.00	617.00
1700.0	0.00	0.0	127.9	127.9	0.00	617.00
1710.0	0.00	0.0	127.9	127.9	0.00	617.00
1720.0	0.00	0.0	127.9	127.9	0.00	617.00
1730.0	0.00	0.0	127.9	127.9	0.00	617.00
1740.0	0.00	0.0	127.9	127.9	0.00	617.00
1750.0	0.00	0.0	127.9	127.9	0.00	617.00
1760.0	0.00	0.0	127.9	127.9	0.00	617.00
1770.0	0.00	0.0	127.9	127.9	0.00	617.00
1780.0	0.00	0.0	127.9	127.9	0.00	617.00
1790.0	0.00	0.0	127.9	127.9	0.00	617.00
1800.0	0.00	0.0	127.9	127.9	0.00	617.00
1810.0	0.00	0.0	127.9	127.9	0.00	617.00
1820.0	0.00	0.0	127.9	127.9	0.00	617.00

Pond File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	127.9	127.9	0.00	617.00
1840.0	0.00	0.0	127.9	127.9	0.00	617.00
1850.0	0.00	0.0	127.9	127.9	0.00	617.00
1860.0	0.00	0.0	127.9	127.9	0.00	617.00
1870.0	0.00	0.0	127.9	127.9	0.00	617.00
1880.0	0.00	0.0	127.9	127.9	0.00	617.00
1890.0	0.00	0.0	127.9	127.9	0.00	617.00
1900.0	0.00	0.0	127.9	127.9	0.00	617.00
1910.0	0.00	0.0	127.9	127.9	0.00	617.00
1920.0	0.00	0.0	127.9	127.9	0.00	617.00
1930.0	0.00	0.0	127.9	127.9	0.00	617.00
1940.0	0.00	0.0	127.9	127.9	0.00	617.00
1950.0	0.00	0.0	127.9	127.9	0.00	617.00
1960.0	0.00	0.0	127.9	127.9	0.00	617.00
1970.0	0.00	0.0	127.9	127.9	0.00	617.00
1980.0	0.00	0.0	127.9	127.9	0.00	617.00
1990.0	0.00	0.0	127.9	127.9	0.00	617.00
2000.0	0.00	0.0	127.9	127.9	0.00	617.00
2010.0	0.00	0.0	127.9	127.9	0.00	617.00
2020.0	0.00	0.0	127.9	127.9	0.00	617.00
2030.0	0.00	0.0	127.9	127.9	0.00	617.00
2040.0	0.00	0.0	127.9	127.9	0.00	617.00
2050.0	0.00	0.0	127.9	127.9	0.00	617.00
2060.0	0.00	0.0	127.9	127.9	0.00	617.00
2070.0	0.00	0.0	127.9	127.9	0.00	617.00
2080.0	0.00	0.0	127.9	127.9	0.00	617.00
2090.0	0.00	0.0	127.9	127.9	0.00	617.00
2100.0	0.00	0.0	127.9	127.9	0.00	617.00
2110.0	0.00	0.0	127.9	127.9	0.00	617.00
2120.0	0.00	0.0	127.9	127.9	0.00	617.00
2130.0	0.00	0.0	127.9	127.9	0.00	617.00
2140.0	0.00	0.0	127.9	127.9	0.00	617.00
2150.0	0.00	0.0	127.9	127.9	0.00	617.00
2160.0	0.00	0.0	127.9	127.9	0.00	617.00
2170.0	0.00	0.0	127.9	127.9	0.00	617.00
2180.0	0.00	0.0	127.9	127.9	0.00	617.00
2190.0	0.00	0.0	127.9	127.9	0.00	617.00
2200.0	0.00	0.0	127.9	127.9	0.00	617.00
2210.0	0.00	0.0	127.9	127.9	0.00	617.00
2220.0	0.00	0.0	127.9	127.9	0.00	617.00
2230.0	0.00	0.0	127.9	127.9	0.00	617.00
2240.0	0.00	0.0	127.9	127.9	0.00	617.00
2250.0	0.00	0.0	127.9	127.9	0.00	617.00
2260.0	0.00	0.0	127.9	127.9	0.00	617.00
2270.0	0.00	0.0	127.9	127.9	0.00	617.00
2280.0	0.00	0.0	127.9	127.9	0.00	617.00

ond File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	127.9	127.9	0.00	617.00
2300.0	0.00	0.0	127.9	127.9	0.00	617.00
2310.0	0.00	0.0	127.9	127.9	0.00	617.00
2320.0	0.00	0.0	127.9	127.9	0.00	617.00
2330.0	0.00	0.0	127.9	127.9	0.00	617.00
2340.0	0.00	0.0	127.9	127.9	0.00	617.00
2350.0	0.00	0.0	127.9	127.9	0.00	617.00
2360.0	0.00	0.0	127.9	127.9	0.00	617.00
2370.0	0.00	0.0	127.9	127.9	0.00	617.00
2380.0	0.00	0.0	127.9	127.9	0.00	617.00
2390.0	0.00	0.0	127.9	127.9	0.00	617.00
2400.0	0.00	0.0	127.9	127.9	0.00	617.00
2410.0	0.00	0.0	127.9	127.9	0.00	617.00
2420.0	0.00	0.0	127.9	127.9	0.00	617.00
2430.0	0.00	0.0	127.9	127.9	0.00	617.00
2440.0	0.00	0.0	127.9	127.9	0.00	617.00
2450.0	0.00	0.0	127.9	127.9	0.00	617.00
2460.0	0.00	0.0	127.9	127.9	0.00	617.00
2470.0	0.00	0.0	127.9	127.9	0.00	617.00
2480.0	0.00	0.0	127.9	127.9	0.00	617.00
2490.0	0.00	0.0	127.9	127.9	0.00	617.00
2500.0	0.00	0.0	127.9	127.9	0.00	617.00
2510.0	0.00	0.0	127.9	127.9	0.00	617.00
2520.0	0.00	0.0	127.9	127.9	0.00	617.00
2530.0	0.00	0.0	127.9	127.9	0.00	617.00
2540.0	0.00	0.0	127.9	127.9	0.00	617.00
2550.0	0.00	0.0	127.9	127.9	0.00	617.00
2560.0	0.00	0.0	127.9	127.9	0.00	617.00
2570.0	0.00	0.0	127.9	127.9	0.00	617.00
2580.0	0.00	0.0	127.9	127.9	0.00	617.00
2590.0	0.00	0.0	127.9	127.9	0.00	617.00
2600.0	0.00	0.0	127.9	127.9	0.00	617.00
2610.0	0.00	0.0	127.9	127.9	0.00	617.00
2620.0	0.00	0.0	127.9	127.9	0.00	617.00
2630.0	0.00	0.0	127.9	127.9	0.00	617.00
2640.0	0.00	0.0	127.9	127.9	0.00	617.00
2650.0	0.00	0.0	127.9	127.9	0.00	617.00
2660.0	0.00	0.0	127.9	127.9	0.00	617.00
2670.0	0.00	0.0	127.9	127.9	0.00	617.00
2680.0	0.00	0.0	127.9	127.9	0.00	617.00
2690.0	0.00	0.0	127.9	127.9	0.00	617.00
2700.0	0.00	0.0	127.9	127.9	0.00	617.00
2710.0	0.00	0.0	127.9	127.9	0.00	617.00
2720.0	0.00	0.0	127.9	127.9	0.00	617.00
2730.0	0.00	0.0	127.9	127.9	0.00	617.00
2740.0	0.00	0.0	127.9	127.9	0.00	617.00

ond File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\02B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B202BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	127.9	127.9	0.00	617.00
2760.0	0.00	0.0	127.9	127.9	0.00	617.00
2770.0	0.00	0.0	127.9	127.9	0.00	617.00
2780.0	0.00	0.0	127.9	127.9	0.00	617.00
2790.0	0.00	0.0	127.9	127.9	0.00	617.00
2800.0	0.00	0.0	127.9	127.9	0.00	617.00
2810.0	0.00	0.0	127.9	127.9	0.00	617.00
2820.0	0.00	0.0	127.9	127.9	0.00	617.00
2830.0	0.00	0.0	127.9	127.9	0.00	617.00
2840.0	0.00	0.0	127.9	127.9	0.00	617.00
2850.0	0.00	0.0	127.9	127.9	0.00	617.00
2860.0	0.00	0.0	127.9	127.9	0.00	617.00
2870.0	0.00	0.0	127.9	127.9	0.00	617.00
2880.0	0.00	0.0	127.9	127.9	0.00	617.00
2890.0	0.00	0.0	127.9	127.9	0.00	617.00
2900.0	0.00	0.0	127.9	127.9	0.00	617.00
2910.0	0.00	0.0	127.9	127.9	0.00	617.00
2920.0	0.00	0.0	127.9	127.9	0.00	617.00
2930.0	0.00	0.0	127.9	127.9	0.00	617.00
2940.0	0.00	0.0	127.9	127.9	0.00	617.00
2950.0	0.00	0.0	127.9	127.9	0.00	617.00
2960.0	0.00	0.0	127.9	127.9	0.00	617.00
2970.0	0.00	0.0	127.9	127.9	0.00	617.00
2980.0	0.00	0.0	127.9	127.9	0.00	617.00
2990.0	0.00	0.0	127.9	127.9	0.00	617.00
3000.0	0.00	0.0	127.9	127.9	0.00	617.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN2BL.PND
Inflow Hydrograph: J:\data\0203043\02B2 .HYD
Outflow Hydrograph: J:\data\0203043\B202BL .HYD

Starting Pond W.S. Elevation = 617.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 15.14 cfs
Peak Outflow = 8.34 cfs
Peak Elevation = 617.36 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 38,381 cu-ft
Peak Storage From Storm = 9,658 cu-ft

Total Storage in Pond = 48,039 cu-ft

```
*****
*
*      BRIARCHASE
*  DETENTION BASIN #2
*   BLOCKED LOW FLOW
*    REVISED 6/18/03
*
*****
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Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Rating Table file: J:\data\0203043\BASIN2BL.PND

----INITIAL CONDITIONS----
 Elevation = 617.00 ft
 Outflow = 0.00 cfs
 Storage = 38,381 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
617.00	0.0	38,381	127.9	127.9
617.20	3.4	43,673	145.6	149.0
617.40	9.5	49,069	163.6	173.1
617.60	16.3	54,570	181.9	198.2
617.80	20.4	60,179	200.6	221.0
618.00	23.8	65,895	219.6	243.4
618.20	26.8	71,712	239.0	265.8
618.40	29.5	77,620	258.7	288.2
618.60	31.9	83,621	278.7	310.6
618.80	34.2	89,717	299.1	333.3
619.00	36.4	95,907	319.7	356.1

Time increment (t) = 10.0 min.

and File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	127.9	127.9	0.00	617.00
10.0	24.65	24.7	144.0	152.6	4.31	617.23
20.0	24.65	49.3	163.3	193.3	14.96	617.56
30.0	0.00	24.7	160.9	188.0	13.54	617.52
40.0	0.00	0.0	148.1	160.9	6.42	617.30
50.0	0.00	0.0	141.6	148.1	3.25	617.19
60.0	0.00	0.0	137.2	141.6	2.20	617.13
70.0	0.00	0.0	134.2	137.2	1.49	617.09
80.0	0.00	0.0	132.2	134.2	1.01	617.06
90.0	0.00	0.0	130.8	132.2	0.68	617.04
100.0	0.00	0.0	129.9	130.8	0.46	617.03
110.0	0.00	0.0	129.2	129.9	0.31	617.02
120.0	0.00	0.0	128.8	129.2	0.21	617.01
130.0	0.00	0.0	128.5	128.8	0.14	617.01
140.0	0.00	0.0	128.3	128.5	0.10	617.01
150.0	0.00	0.0	128.2	128.3	0.07	617.00
160.0	0.00	0.0	128.1	128.2	0.04	617.00
170.0	0.00	0.0	128.1	128.1	0.03	617.00
180.0	0.00	0.0	128.0	128.1	0.02	617.00
190.0	0.00	0.0	128.0	128.0	0.01	617.00
200.0	0.00	0.0	128.0	128.0	0.01	617.00
210.0	0.00	0.0	128.0	128.0	0.01	617.00
220.0	0.00	0.0	128.0	128.0	0.00	617.00
230.0	0.00	0.0	127.9	128.0	0.00	617.00
240.0	0.00	0.0	127.9	127.9	0.00	617.00
250.0	0.00	0.0	127.9	127.9	0.00	617.00
260.0	0.00	0.0	127.9	127.9	0.00	617.00
270.0	0.00	0.0	127.9	127.9	0.00	617.00
280.0	0.00	0.0	127.9	127.9	0.00	617.00
290.0	0.00	0.0	127.9	127.9	0.00	617.00
300.0	0.00	0.0	127.9	127.9	0.00	617.00
310.0	0.00	0.0	127.9	127.9	0.00	617.00
320.0	0.00	0.0	127.9	127.9	0.00	617.00
330.0	0.00	0.0	127.9	127.9	0.00	617.00
340.0	0.00	0.0	127.9	127.9	0.00	617.00
350.0	0.00	0.0	127.9	127.9	0.00	617.00
360.0	0.00	0.0	127.9	127.9	0.00	617.00
370.0	0.00	0.0	127.9	127.9	0.00	617.00
380.0	0.00	0.0	127.9	127.9	0.00	617.00
390.0	0.00	0.0	127.9	127.9	0.00	617.00
400.0	0.00	0.0	127.9	127.9	0.00	617.00
410.0	0.00	0.0	127.9	127.9	0.00	617.00
420.0	0.00	0.0	127.9	127.9	0.00	617.00
430.0	0.00	0.0	127.9	127.9	0.00	617.00
440.0	0.00	0.0	127.9	127.9	0.00	617.00

Und File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	127.9	127.9	0.00	617.00
460.0	0.00	0.0	127.9	127.9	0.00	617.00
470.0	0.00	0.0	127.9	127.9	0.00	617.00
480.0	0.00	0.0	127.9	127.9	0.00	617.00
490.0	0.00	0.0	127.9	127.9	0.00	617.00
500.0	0.00	0.0	127.9	127.9	0.00	617.00
510.0	0.00	0.0	127.9	127.9	0.00	617.00
520.0	0.00	0.0	127.9	127.9	0.00	617.00
530.0	0.00	0.0	127.9	127.9	0.00	617.00
540.0	0.00	0.0	127.9	127.9	0.00	617.00
550.0	0.00	0.0	127.9	127.9	0.00	617.00
560.0	0.00	0.0	127.9	127.9	0.00	617.00
570.0	0.00	0.0	127.9	127.9	0.00	617.00
580.0	0.00	0.0	127.9	127.9	0.00	617.00
590.0	0.00	0.0	127.9	127.9	0.00	617.00
600.0	0.00	0.0	127.9	127.9	0.00	617.00
610.0	0.00	0.0	127.9	127.9	0.00	617.00
620.0	0.00	0.0	127.9	127.9	0.00	617.00
630.0	0.00	0.0	127.9	127.9	0.00	617.00
640.0	0.00	0.0	127.9	127.9	0.00	617.00
650.0	0.00	0.0	127.9	127.9	0.00	617.00
660.0	0.00	0.0	127.9	127.9	0.00	617.00
670.0	0.00	0.0	127.9	127.9	0.00	617.00
680.0	0.00	0.0	127.9	127.9	0.00	617.00
690.0	0.00	0.0	127.9	127.9	0.00	617.00
700.0	0.00	0.0	127.9	127.9	0.00	617.00
710.0	0.00	0.0	127.9	127.9	0.00	617.00
720.0	0.00	0.0	127.9	127.9	0.00	617.00
730.0	0.00	0.0	127.9	127.9	0.00	617.00
740.0	0.00	0.0	127.9	127.9	0.00	617.00
750.0	0.00	0.0	127.9	127.9	0.00	617.00
760.0	0.00	0.0	127.9	127.9	0.00	617.00
770.0	0.00	0.0	127.9	127.9	0.00	617.00
780.0	0.00	0.0	127.9	127.9	0.00	617.00
790.0	0.00	0.0	127.9	127.9	0.00	617.00
800.0	0.00	0.0	127.9	127.9	0.00	617.00
810.0	0.00	0.0	127.9	127.9	0.00	617.00
820.0	0.00	0.0	127.9	127.9	0.00	617.00
830.0	0.00	0.0	127.9	127.9	0.00	617.00
840.0	0.00	0.0	127.9	127.9	0.00	617.00
850.0	0.00	0.0	127.9	127.9	0.00	617.00
860.0	0.00	0.0	127.9	127.9	0.00	617.00
870.0	0.00	0.0	127.9	127.9	0.00	617.00
880.0	0.00	0.0	127.9	127.9	0.00	617.00
890.0	0.00	0.0	127.9	127.9	0.00	617.00
900.0	0.00	0.0	127.9	127.9	0.00	617.00

ond File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	127.9	127.9	0.00	617.00
920.0	0.00	0.0	127.9	127.9	0.00	617.00
930.0	0.00	0.0	127.9	127.9	0.00	617.00
940.0	0.00	0.0	127.9	127.9	0.00	617.00
950.0	0.00	0.0	127.9	127.9	0.00	617.00
960.0	0.00	0.0	127.9	127.9	0.00	617.00
970.0	0.00	0.0	127.9	127.9	0.00	617.00
980.0	0.00	0.0	127.9	127.9	0.00	617.00
990.0	0.00	0.0	127.9	127.9	0.00	617.00
1000.0	0.00	0.0	127.9	127.9	0.00	617.00
1010.0	0.00	0.0	127.9	127.9	0.00	617.00
1020.0	0.00	0.0	127.9	127.9	0.00	617.00
1030.0	0.00	0.0	127.9	127.9	0.00	617.00
1040.0	0.00	0.0	127.9	127.9	0.00	617.00
1050.0	0.00	0.0	127.9	127.9	0.00	617.00
1060.0	0.00	0.0	127.9	127.9	0.00	617.00
1070.0	0.00	0.0	127.9	127.9	0.00	617.00
1080.0	0.00	0.0	127.9	127.9	0.00	617.00
1090.0	0.00	0.0	127.9	127.9	0.00	617.00
1100.0	0.00	0.0	127.9	127.9	0.00	617.00
1110.0	0.00	0.0	127.9	127.9	0.00	617.00
1120.0	0.00	0.0	127.9	127.9	0.00	617.00
1130.0	0.00	0.0	127.9	127.9	0.00	617.00
1140.0	0.00	0.0	127.9	127.9	0.00	617.00
1150.0	0.00	0.0	127.9	127.9	0.00	617.00
1160.0	0.00	0.0	127.9	127.9	0.00	617.00
1170.0	0.00	0.0	127.9	127.9	0.00	617.00
1180.0	0.00	0.0	127.9	127.9	0.00	617.00
1190.0	0.00	0.0	127.9	127.9	0.00	617.00
1200.0	0.00	0.0	127.9	127.9	0.00	617.00
1210.0	0.00	0.0	127.9	127.9	0.00	617.00
1220.0	0.00	0.0	127.9	127.9	0.00	617.00
1230.0	0.00	0.0	127.9	127.9	0.00	617.00
1240.0	0.00	0.0	127.9	127.9	0.00	617.00
1250.0	0.00	0.0	127.9	127.9	0.00	617.00
1260.0	0.00	0.0	127.9	127.9	0.00	617.00
1270.0	0.00	0.0	127.9	127.9	0.00	617.00
1280.0	0.00	0.0	127.9	127.9	0.00	617.00
1290.0	0.00	0.0	127.9	127.9	0.00	617.00
1300.0	0.00	0.0	127.9	127.9	0.00	617.00
1310.0	0.00	0.0	127.9	127.9	0.00	617.00
1320.0	0.00	0.0	127.9	127.9	0.00	617.00
1330.0	0.00	0.0	127.9	127.9	0.00	617.00
1340.0	0.00	0.0	127.9	127.9	0.00	617.00
1350.0	0.00	0.0	127.9	127.9	0.00	617.00
1360.0	0.00	0.0	127.9	127.9	0.00	617.00

and File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	127.9	127.9	0.00	617.00
1380.0	0.00	0.0	127.9	127.9	0.00	617.00
1390.0	0.00	0.0	127.9	127.9	0.00	617.00
1400.0	0.00	0.0	127.9	127.9	0.00	617.00
1410.0	0.00	0.0	127.9	127.9	0.00	617.00
1420.0	0.00	0.0	127.9	127.9	0.00	617.00
1430.0	0.00	0.0	127.9	127.9	0.00	617.00
1440.0	0.00	0.0	127.9	127.9	0.00	617.00
1450.0	0.00	0.0	127.9	127.9	0.00	617.00
1460.0	0.00	0.0	127.9	127.9	0.00	617.00
1470.0	0.00	0.0	127.9	127.9	0.00	617.00
1480.0	0.00	0.0	127.9	127.9	0.00	617.00
1490.0	0.00	0.0	127.9	127.9	0.00	617.00
1500.0	0.00	0.0	127.9	127.9	0.00	617.00
1510.0	0.00	0.0	127.9	127.9	0.00	617.00
1520.0	0.00	0.0	127.9	127.9	0.00	617.00
1530.0	0.00	0.0	127.9	127.9	0.00	617.00
1540.0	0.00	0.0	127.9	127.9	0.00	617.00
1550.0	0.00	0.0	127.9	127.9	0.00	617.00
1560.0	0.00	0.0	127.9	127.9	0.00	617.00
1570.0	0.00	0.0	127.9	127.9	0.00	617.00
1580.0	0.00	0.0	127.9	127.9	0.00	617.00
1590.0	0.00	0.0	127.9	127.9	0.00	617.00
1600.0	0.00	0.0	127.9	127.9	0.00	617.00
1610.0	0.00	0.0	127.9	127.9	0.00	617.00
1620.0	0.00	0.0	127.9	127.9	0.00	617.00
1630.0	0.00	0.0	127.9	127.9	0.00	617.00
1640.0	0.00	0.0	127.9	127.9	0.00	617.00
1650.0	0.00	0.0	127.9	127.9	0.00	617.00
1660.0	0.00	0.0	127.9	127.9	0.00	617.00
1670.0	0.00	0.0	127.9	127.9	0.00	617.00
1680.0	0.00	0.0	127.9	127.9	0.00	617.00
1690.0	0.00	0.0	127.9	127.9	0.00	617.00
1700.0	0.00	0.0	127.9	127.9	0.00	617.00
1710.0	0.00	0.0	127.9	127.9	0.00	617.00
1720.0	0.00	0.0	127.9	127.9	0.00	617.00
1730.0	0.00	0.0	127.9	127.9	0.00	617.00
1740.0	0.00	0.0	127.9	127.9	0.00	617.00
1750.0	0.00	0.0	127.9	127.9	0.00	617.00
1760.0	0.00	0.0	127.9	127.9	0.00	617.00
1770.0	0.00	0.0	127.9	127.9	0.00	617.00
1780.0	0.00	0.0	127.9	127.9	0.00	617.00
1790.0	0.00	0.0	127.9	127.9	0.00	617.00
1800.0	0.00	0.0	127.9	127.9	0.00	617.00
1810.0	0.00	0.0	127.9	127.9	0.00	617.00
1820.0	0.00	0.0	127.9	127.9	0.00	617.00

and File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	127.9	127.9	0.00	617.00
1840.0	0.00	0.0	127.9	127.9	0.00	617.00
1850.0	0.00	0.0	127.9	127.9	0.00	617.00
1860.0	0.00	0.0	127.9	127.9	0.00	617.00
1870.0	0.00	0.0	127.9	127.9	0.00	617.00
1880.0	0.00	0.0	127.9	127.9	0.00	617.00
1890.0	0.00	0.0	127.9	127.9	0.00	617.00
1900.0	0.00	0.0	127.9	127.9	0.00	617.00
1910.0	0.00	0.0	127.9	127.9	0.00	617.00
1920.0	0.00	0.0	127.9	127.9	0.00	617.00
1930.0	0.00	0.0	127.9	127.9	0.00	617.00
1940.0	0.00	0.0	127.9	127.9	0.00	617.00
1950.0	0.00	0.0	127.9	127.9	0.00	617.00
1960.0	0.00	0.0	127.9	127.9	0.00	617.00
1970.0	0.00	0.0	127.9	127.9	0.00	617.00
1980.0	0.00	0.0	127.9	127.9	0.00	617.00
1990.0	0.00	0.0	127.9	127.9	0.00	617.00
2000.0	0.00	0.0	127.9	127.9	0.00	617.00
2010.0	0.00	0.0	127.9	127.9	0.00	617.00
2020.0	0.00	0.0	127.9	127.9	0.00	617.00
2030.0	0.00	0.0	127.9	127.9	0.00	617.00
2040.0	0.00	0.0	127.9	127.9	0.00	617.00
2050.0	0.00	0.0	127.9	127.9	0.00	617.00
2060.0	0.00	0.0	127.9	127.9	0.00	617.00
2070.0	0.00	0.0	127.9	127.9	0.00	617.00
2080.0	0.00	0.0	127.9	127.9	0.00	617.00
2090.0	0.00	0.0	127.9	127.9	0.00	617.00
2100.0	0.00	0.0	127.9	127.9	0.00	617.00
2110.0	0.00	0.0	127.9	127.9	0.00	617.00
2120.0	0.00	0.0	127.9	127.9	0.00	617.00
2130.0	0.00	0.0	127.9	127.9	0.00	617.00
2140.0	0.00	0.0	127.9	127.9	0.00	617.00
2150.0	0.00	0.0	127.9	127.9	0.00	617.00
2160.0	0.00	0.0	127.9	127.9	0.00	617.00
2170.0	0.00	0.0	127.9	127.9	0.00	617.00
2180.0	0.00	0.0	127.9	127.9	0.00	617.00
2190.0	0.00	0.0	127.9	127.9	0.00	617.00
2200.0	0.00	0.0	127.9	127.9	0.00	617.00
2210.0	0.00	0.0	127.9	127.9	0.00	617.00
2220.0	0.00	0.0	127.9	127.9	0.00	617.00
2230.0	0.00	0.0	127.9	127.9	0.00	617.00
2240.0	0.00	0.0	127.9	127.9	0.00	617.00
2250.0	0.00	0.0	127.9	127.9	0.00	617.00
2260.0	0.00	0.0	127.9	127.9	0.00	617.00
2270.0	0.00	0.0	127.9	127.9	0.00	617.00
2280.0	0.00	0.0	127.9	127.9	0.00	617.00

and File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	127.9	127.9	0.00	617.00
2300.0	0.00	0.0	127.9	127.9	0.00	617.00
2310.0	0.00	0.0	127.9	127.9	0.00	617.00
2320.0	0.00	0.0	127.9	127.9	0.00	617.00
2330.0	0.00	0.0	127.9	127.9	0.00	617.00
2340.0	0.00	0.0	127.9	127.9	0.00	617.00
2350.0	0.00	0.0	127.9	127.9	0.00	617.00
2360.0	0.00	0.0	127.9	127.9	0.00	617.00
2370.0	0.00	0.0	127.9	127.9	0.00	617.00
2380.0	0.00	0.0	127.9	127.9	0.00	617.00
2390.0	0.00	0.0	127.9	127.9	0.00	617.00
2400.0	0.00	0.0	127.9	127.9	0.00	617.00
2410.0	0.00	0.0	127.9	127.9	0.00	617.00
2420.0	0.00	0.0	127.9	127.9	0.00	617.00
2430.0	0.00	0.0	127.9	127.9	0.00	617.00
2440.0	0.00	0.0	127.9	127.9	0.00	617.00
2450.0	0.00	0.0	127.9	127.9	0.00	617.00
2460.0	0.00	0.0	127.9	127.9	0.00	617.00
2470.0	0.00	0.0	127.9	127.9	0.00	617.00
2480.0	0.00	0.0	127.9	127.9	0.00	617.00
2490.0	0.00	0.0	127.9	127.9	0.00	617.00
2500.0	0.00	0.0	127.9	127.9	0.00	617.00
2510.0	0.00	0.0	127.9	127.9	0.00	617.00
2520.0	0.00	0.0	127.9	127.9	0.00	617.00
2530.0	0.00	0.0	127.9	127.9	0.00	617.00
2540.0	0.00	0.0	127.9	127.9	0.00	617.00
2550.0	0.00	0.0	127.9	127.9	0.00	617.00
2560.0	0.00	0.0	127.9	127.9	0.00	617.00
2570.0	0.00	0.0	127.9	127.9	0.00	617.00
2580.0	0.00	0.0	127.9	127.9	0.00	617.00
2590.0	0.00	0.0	127.9	127.9	0.00	617.00
2600.0	0.00	0.0	127.9	127.9	0.00	617.00
2610.0	0.00	0.0	127.9	127.9	0.00	617.00
2620.0	0.00	0.0	127.9	127.9	0.00	617.00
2630.0	0.00	0.0	127.9	127.9	0.00	617.00
2640.0	0.00	0.0	127.9	127.9	0.00	617.00
2650.0	0.00	0.0	127.9	127.9	0.00	617.00
2660.0	0.00	0.0	127.9	127.9	0.00	617.00
2670.0	0.00	0.0	127.9	127.9	0.00	617.00
2680.0	0.00	0.0	127.9	127.9	0.00	617.00
2690.0	0.00	0.0	127.9	127.9	0.00	617.00
2700.0	0.00	0.0	127.9	127.9	0.00	617.00
2710.0	0.00	0.0	127.9	127.9	0.00	617.00
2720.0	0.00	0.0	127.9	127.9	0.00	617.00
2730.0	0.00	0.0	127.9	127.9	0.00	617.00
2740.0	0.00	0.0	127.9	127.9	0.00	617.00

and File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\15B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B215BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	127.9	127.9	0.00	617.00
2760.0	0.00	0.0	127.9	127.9	0.00	617.00
2770.0	0.00	0.0	127.9	127.9	0.00	617.00
2780.0	0.00	0.0	127.9	127.9	0.00	617.00
2790.0	0.00	0.0	127.9	127.9	0.00	617.00
2800.0	0.00	0.0	127.9	127.9	0.00	617.00
2810.0	0.00	0.0	127.9	127.9	0.00	617.00
2820.0	0.00	0.0	127.9	127.9	0.00	617.00
2830.0	0.00	0.0	127.9	127.9	0.00	617.00
2840.0	0.00	0.0	127.9	127.9	0.00	617.00
2850.0	0.00	0.0	127.9	127.9	0.00	617.00
2860.0	0.00	0.0	127.9	127.9	0.00	617.00
2870.0	0.00	0.0	127.9	127.9	0.00	617.00
2880.0	0.00	0.0	127.9	127.9	0.00	617.00
2890.0	0.00	0.0	127.9	127.9	0.00	617.00
2900.0	0.00	0.0	127.9	127.9	0.00	617.00
2910.0	0.00	0.0	127.9	127.9	0.00	617.00
2920.0	0.00	0.0	127.9	127.9	0.00	617.00
2930.0	0.00	0.0	127.9	127.9	0.00	617.00
2940.0	0.00	0.0	127.9	127.9	0.00	617.00
2950.0	0.00	0.0	127.9	127.9	0.00	617.00
2960.0	0.00	0.0	127.9	127.9	0.00	617.00
2970.0	0.00	0.0	127.9	127.9	0.00	617.00
2980.0	0.00	0.0	127.9	127.9	0.00	617.00
2990.0	0.00	0.0	127.9	127.9	0.00	617.00
3000.0	0.00	0.0	127.9	127.9	0.00	617.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN2BL.PND
Inflow Hydrograph: J:\data\0203043\15B2 .HYD
Outflow Hydrograph: J:\data\0203043\B215BL .HYD

Starting Pond W.S. Elevation = 617.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 24.65 cfs
Peak Outflow = 14.96 cfs
Peak Elevation = 617.56 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 38,381 cu-ft
Peak Storage From Storm = 15,107 cu-ft

Total Storage in Pond = 53,488 cu-ft

```

*****
*
*      BRIARCHASE      *
*  DETENTION BASIN #2 *
*   BLOCKED LOW FLOW  *
*    REVISED 6/18/03  *
*
*****
  
```

Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Rating Table file: J:\data\0203043\BASIN2BL.PND

----INITIAL CONDITIONS----
 Elevation = 617.00 ft
 Outflow = 0.00 cfs
 Storage = 38,381 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
617.00	0.0	38,381	127.9	127.9
617.20	3.4	43,673	145.6	149.0
617.40	9.5	49,069	163.6	173.1
617.60	16.3	54,570	181.9	198.2
617.80	20.4	60,179	200.6	221.0
618.00	23.8	65,895	219.6	243.4
618.20	26.8	71,712	239.0	265.8
618.40	29.5	77,620	258.7	288.2
618.60	31.9	83,621	278.7	310.6
618.80	34.2	89,717	299.1	333.3
619.00	36.4	95,907	319.7	356.1

Time increment (t) = 10.0 min.

and File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	127.9	127.9	0.00	617.00
10.0	30.41	30.4	146.8	158.3	5.77	617.28
20.0	30.41	60.8	171.6	207.6	17.99	617.68
30.0	0.00	30.4	168.1	202.0	16.99	617.63
40.0	0.00	0.0	151.6	168.1	8.23	617.36
50.0	0.00	0.0	143.5	151.6	4.06	617.22
60.0	0.00	0.0	138.4	143.5	2.51	617.15
70.0	0.00	0.0	135.1	138.4	1.70	617.10
80.0	0.00	0.0	132.8	135.1	1.15	617.07
90.0	0.00	0.0	131.2	132.8	0.78	617.05
100.0	0.00	0.0	130.1	131.2	0.53	617.03
110.0	0.00	0.0	129.4	130.1	0.36	617.02
120.0	0.00	0.0	128.9	129.4	0.24	617.01
130.0	0.00	0.0	128.6	128.9	0.16	617.01
140.0	0.00	0.0	128.4	128.6	0.11	617.01
150.0	0.00	0.0	128.3	128.4	0.07	617.00
160.0	0.00	0.0	128.1	128.3	0.05	617.00
170.0	0.00	0.0	128.1	128.1	0.03	617.00
180.0	0.00	0.0	128.0	128.1	0.02	617.00
190.0	0.00	0.0	128.0	128.0	0.02	617.00
200.0	0.00	0.0	128.0	128.0	0.01	617.00
210.0	0.00	0.0	128.0	128.0	0.01	617.00
220.0	0.00	0.0	128.0	128.0	0.00	617.00
230.0	0.00	0.0	128.0	128.0	0.00	617.00
240.0	0.00	0.0	127.9	128.0	0.00	617.00
250.0	0.00	0.0	127.9	127.9	0.00	617.00
260.0	0.00	0.0	127.9	127.9	0.00	617.00
270.0	0.00	0.0	127.9	127.9	0.00	617.00
280.0	0.00	0.0	127.9	127.9	0.00	617.00
290.0	0.00	0.0	127.9	127.9	0.00	617.00
300.0	0.00	0.0	127.9	127.9	0.00	617.00
310.0	0.00	0.0	127.9	127.9	0.00	617.00
320.0	0.00	0.0	127.9	127.9	0.00	617.00
330.0	0.00	0.0	127.9	127.9	0.00	617.00
340.0	0.00	0.0	127.9	127.9	0.00	617.00
350.0	0.00	0.0	127.9	127.9	0.00	617.00
360.0	0.00	0.0	127.9	127.9	0.00	617.00
370.0	0.00	0.0	127.9	127.9	0.00	617.00
380.0	0.00	0.0	127.9	127.9	0.00	617.00
390.0	0.00	0.0	127.9	127.9	0.00	617.00
400.0	0.00	0.0	127.9	127.9	0.00	617.00
410.0	0.00	0.0	127.9	127.9	0.00	617.00
420.0	0.00	0.0	127.9	127.9	0.00	617.00
430.0	0.00	0.0	127.9	127.9	0.00	617.00
440.0	0.00	0.0	127.9	127.9	0.00	617.00

nd File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	127.9	127.9	0.00	617.00
460.0	0.00	0.0	127.9	127.9	0.00	617.00
470.0	0.00	0.0	127.9	127.9	0.00	617.00
480.0	0.00	0.0	127.9	127.9	0.00	617.00
490.0	0.00	0.0	127.9	127.9	0.00	617.00
500.0	0.00	0.0	127.9	127.9	0.00	617.00
510.0	0.00	0.0	127.9	127.9	0.00	617.00
520.0	0.00	0.0	127.9	127.9	0.00	617.00
530.0	0.00	0.0	127.9	127.9	0.00	617.00
540.0	0.00	0.0	127.9	127.9	0.00	617.00
550.0	0.00	0.0	127.9	127.9	0.00	617.00
560.0	0.00	0.0	127.9	127.9	0.00	617.00
570.0	0.00	0.0	127.9	127.9	0.00	617.00
580.0	0.00	0.0	127.9	127.9	0.00	617.00
590.0	0.00	0.0	127.9	127.9	0.00	617.00
600.0	0.00	0.0	127.9	127.9	0.00	617.00
610.0	0.00	0.0	127.9	127.9	0.00	617.00
620.0	0.00	0.0	127.9	127.9	0.00	617.00
630.0	0.00	0.0	127.9	127.9	0.00	617.00
640.0	0.00	0.0	127.9	127.9	0.00	617.00
650.0	0.00	0.0	127.9	127.9	0.00	617.00
660.0	0.00	0.0	127.9	127.9	0.00	617.00
670.0	0.00	0.0	127.9	127.9	0.00	617.00
680.0	0.00	0.0	127.9	127.9	0.00	617.00
690.0	0.00	0.0	127.9	127.9	0.00	617.00
700.0	0.00	0.0	127.9	127.9	0.00	617.00
710.0	0.00	0.0	127.9	127.9	0.00	617.00
720.0	0.00	0.0	127.9	127.9	0.00	617.00
730.0	0.00	0.0	127.9	127.9	0.00	617.00
740.0	0.00	0.0	127.9	127.9	0.00	617.00
750.0	0.00	0.0	127.9	127.9	0.00	617.00
760.0	0.00	0.0	127.9	127.9	0.00	617.00
770.0	0.00	0.0	127.9	127.9	0.00	617.00
780.0	0.00	0.0	127.9	127.9	0.00	617.00
790.0	0.00	0.0	127.9	127.9	0.00	617.00
800.0	0.00	0.0	127.9	127.9	0.00	617.00
810.0	0.00	0.0	127.9	127.9	0.00	617.00
820.0	0.00	0.0	127.9	127.9	0.00	617.00
830.0	0.00	0.0	127.9	127.9	0.00	617.00
840.0	0.00	0.0	127.9	127.9	0.00	617.00
850.0	0.00	0.0	127.9	127.9	0.00	617.00
860.0	0.00	0.0	127.9	127.9	0.00	617.00
870.0	0.00	0.0	127.9	127.9	0.00	617.00
880.0	0.00	0.0	127.9	127.9	0.00	617.00
890.0	0.00	0.0	127.9	127.9	0.00	617.00
900.0	0.00	0.0	127.9	127.9	0.00	617.00

nd File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	127.9	127.9	0.00	617.00
920.0	0.00	0.0	127.9	127.9	0.00	617.00
930.0	0.00	0.0	127.9	127.9	0.00	617.00
940.0	0.00	0.0	127.9	127.9	0.00	617.00
950.0	0.00	0.0	127.9	127.9	0.00	617.00
960.0	0.00	0.0	127.9	127.9	0.00	617.00
970.0	0.00	0.0	127.9	127.9	0.00	617.00
980.0	0.00	0.0	127.9	127.9	0.00	617.00
990.0	0.00	0.0	127.9	127.9	0.00	617.00
1000.0	0.00	0.0	127.9	127.9	0.00	617.00
1010.0	0.00	0.0	127.9	127.9	0.00	617.00
1020.0	0.00	0.0	127.9	127.9	0.00	617.00
1030.0	0.00	0.0	127.9	127.9	0.00	617.00
1040.0	0.00	0.0	127.9	127.9	0.00	617.00
1050.0	0.00	0.0	127.9	127.9	0.00	617.00
1060.0	0.00	0.0	127.9	127.9	0.00	617.00
1070.0	0.00	0.0	127.9	127.9	0.00	617.00
1080.0	0.00	0.0	127.9	127.9	0.00	617.00
1090.0	0.00	0.0	127.9	127.9	0.00	617.00
1100.0	0.00	0.0	127.9	127.9	0.00	617.00
1110.0	0.00	0.0	127.9	127.9	0.00	617.00
1120.0	0.00	0.0	127.9	127.9	0.00	617.00
1130.0	0.00	0.0	127.9	127.9	0.00	617.00
1140.0	0.00	0.0	127.9	127.9	0.00	617.00
1150.0	0.00	0.0	127.9	127.9	0.00	617.00
1160.0	0.00	0.0	127.9	127.9	0.00	617.00
1170.0	0.00	0.0	127.9	127.9	0.00	617.00
1180.0	0.00	0.0	127.9	127.9	0.00	617.00
1190.0	0.00	0.0	127.9	127.9	0.00	617.00
1200.0	0.00	0.0	127.9	127.9	0.00	617.00
1210.0	0.00	0.0	127.9	127.9	0.00	617.00
1220.0	0.00	0.0	127.9	127.9	0.00	617.00
1230.0	0.00	0.0	127.9	127.9	0.00	617.00
1240.0	0.00	0.0	127.9	127.9	0.00	617.00
1250.0	0.00	0.0	127.9	127.9	0.00	617.00
1260.0	0.00	0.0	127.9	127.9	0.00	617.00
1270.0	0.00	0.0	127.9	127.9	0.00	617.00
1280.0	0.00	0.0	127.9	127.9	0.00	617.00
1290.0	0.00	0.0	127.9	127.9	0.00	617.00
1300.0	0.00	0.0	127.9	127.9	0.00	617.00
1310.0	0.00	0.0	127.9	127.9	0.00	617.00
1320.0	0.00	0.0	127.9	127.9	0.00	617.00
1330.0	0.00	0.0	127.9	127.9	0.00	617.00
1340.0	0.00	0.0	127.9	127.9	0.00	617.00
1350.0	0.00	0.0	127.9	127.9	0.00	617.00
1360.0	0.00	0.0	127.9	127.9	0.00	617.00

nd File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	127.9	127.9	0.00	617.00
1380.0	0.00	0.0	127.9	127.9	0.00	617.00
1390.0	0.00	0.0	127.9	127.9	0.00	617.00
1400.0	0.00	0.0	127.9	127.9	0.00	617.00
1410.0	0.00	0.0	127.9	127.9	0.00	617.00
1420.0	0.00	0.0	127.9	127.9	0.00	617.00
1430.0	0.00	0.0	127.9	127.9	0.00	617.00
1440.0	0.00	0.0	127.9	127.9	0.00	617.00
1450.0	0.00	0.0	127.9	127.9	0.00	617.00
1460.0	0.00	0.0	127.9	127.9	0.00	617.00
1470.0	0.00	0.0	127.9	127.9	0.00	617.00
1480.0	0.00	0.0	127.9	127.9	0.00	617.00
1490.0	0.00	0.0	127.9	127.9	0.00	617.00
1500.0	0.00	0.0	127.9	127.9	0.00	617.00
1510.0	0.00	0.0	127.9	127.9	0.00	617.00
1520.0	0.00	0.0	127.9	127.9	0.00	617.00
1530.0	0.00	0.0	127.9	127.9	0.00	617.00
1540.0	0.00	0.0	127.9	127.9	0.00	617.00
1550.0	0.00	0.0	127.9	127.9	0.00	617.00
1560.0	0.00	0.0	127.9	127.9	0.00	617.00
1570.0	0.00	0.0	127.9	127.9	0.00	617.00
1580.0	0.00	0.0	127.9	127.9	0.00	617.00
1590.0	0.00	0.0	127.9	127.9	0.00	617.00
1600.0	0.00	0.0	127.9	127.9	0.00	617.00
1610.0	0.00	0.0	127.9	127.9	0.00	617.00
1620.0	0.00	0.0	127.9	127.9	0.00	617.00
1630.0	0.00	0.0	127.9	127.9	0.00	617.00
1640.0	0.00	0.0	127.9	127.9	0.00	617.00
1650.0	0.00	0.0	127.9	127.9	0.00	617.00
1660.0	0.00	0.0	127.9	127.9	0.00	617.00
1670.0	0.00	0.0	127.9	127.9	0.00	617.00
1680.0	0.00	0.0	127.9	127.9	0.00	617.00
1690.0	0.00	0.0	127.9	127.9	0.00	617.00
1700.0	0.00	0.0	127.9	127.9	0.00	617.00
1710.0	0.00	0.0	127.9	127.9	0.00	617.00
1720.0	0.00	0.0	127.9	127.9	0.00	617.00
1730.0	0.00	0.0	127.9	127.9	0.00	617.00
1740.0	0.00	0.0	127.9	127.9	0.00	617.00
1750.0	0.00	0.0	127.9	127.9	0.00	617.00
1760.0	0.00	0.0	127.9	127.9	0.00	617.00
1770.0	0.00	0.0	127.9	127.9	0.00	617.00
1780.0	0.00	0.0	127.9	127.9	0.00	617.00
1790.0	0.00	0.0	127.9	127.9	0.00	617.00
1800.0	0.00	0.0	127.9	127.9	0.00	617.00
1810.0	0.00	0.0	127.9	127.9	0.00	617.00
1820.0	0.00	0.0	127.9	127.9	0.00	617.00

Pond File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	127.9	127.9	0.00	617.00
1840.0	0.00	0.0	127.9	127.9	0.00	617.00
1850.0	0.00	0.0	127.9	127.9	0.00	617.00
1860.0	0.00	0.0	127.9	127.9	0.00	617.00
1870.0	0.00	0.0	127.9	127.9	0.00	617.00
1880.0	0.00	0.0	127.9	127.9	0.00	617.00
1890.0	0.00	0.0	127.9	127.9	0.00	617.00
1900.0	0.00	0.0	127.9	127.9	0.00	617.00
1910.0	0.00	0.0	127.9	127.9	0.00	617.00
1920.0	0.00	0.0	127.9	127.9	0.00	617.00
1930.0	0.00	0.0	127.9	127.9	0.00	617.00
1940.0	0.00	0.0	127.9	127.9	0.00	617.00
1950.0	0.00	0.0	127.9	127.9	0.00	617.00
1960.0	0.00	0.0	127.9	127.9	0.00	617.00
1970.0	0.00	0.0	127.9	127.9	0.00	617.00
1980.0	0.00	0.0	127.9	127.9	0.00	617.00
1990.0	0.00	0.0	127.9	127.9	0.00	617.00
2000.0	0.00	0.0	127.9	127.9	0.00	617.00
2010.0	0.00	0.0	127.9	127.9	0.00	617.00
2020.0	0.00	0.0	127.9	127.9	0.00	617.00
2030.0	0.00	0.0	127.9	127.9	0.00	617.00
2040.0	0.00	0.0	127.9	127.9	0.00	617.00
2050.0	0.00	0.0	127.9	127.9	0.00	617.00
2060.0	0.00	0.0	127.9	127.9	0.00	617.00
2070.0	0.00	0.0	127.9	127.9	0.00	617.00
2080.0	0.00	0.0	127.9	127.9	0.00	617.00
2090.0	0.00	0.0	127.9	127.9	0.00	617.00
2100.0	0.00	0.0	127.9	127.9	0.00	617.00
2110.0	0.00	0.0	127.9	127.9	0.00	617.00
2120.0	0.00	0.0	127.9	127.9	0.00	617.00
2130.0	0.00	0.0	127.9	127.9	0.00	617.00
2140.0	0.00	0.0	127.9	127.9	0.00	617.00
2150.0	0.00	0.0	127.9	127.9	0.00	617.00
2160.0	0.00	0.0	127.9	127.9	0.00	617.00
2170.0	0.00	0.0	127.9	127.9	0.00	617.00
2180.0	0.00	0.0	127.9	127.9	0.00	617.00
2190.0	0.00	0.0	127.9	127.9	0.00	617.00
2200.0	0.00	0.0	127.9	127.9	0.00	617.00
2210.0	0.00	0.0	127.9	127.9	0.00	617.00
2220.0	0.00	0.0	127.9	127.9	0.00	617.00
2230.0	0.00	0.0	127.9	127.9	0.00	617.00
2240.0	0.00	0.0	127.9	127.9	0.00	617.00
2250.0	0.00	0.0	127.9	127.9	0.00	617.00
2260.0	0.00	0.0	127.9	127.9	0.00	617.00
2270.0	0.00	0.0	127.9	127.9	0.00	617.00
2280.0	0.00	0.0	127.9	127.9	0.00	617.00

nd File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	127.9	127.9	0.00	617.00
2300.0	0.00	0.0	127.9	127.9	0.00	617.00
2310.0	0.00	0.0	127.9	127.9	0.00	617.00
2320.0	0.00	0.0	127.9	127.9	0.00	617.00
2330.0	0.00	0.0	127.9	127.9	0.00	617.00
2340.0	0.00	0.0	127.9	127.9	0.00	617.00
2350.0	0.00	0.0	127.9	127.9	0.00	617.00
2360.0	0.00	0.0	127.9	127.9	0.00	617.00
2370.0	0.00	0.0	127.9	127.9	0.00	617.00
2380.0	0.00	0.0	127.9	127.9	0.00	617.00
2390.0	0.00	0.0	127.9	127.9	0.00	617.00
2400.0	0.00	0.0	127.9	127.9	0.00	617.00
2410.0	0.00	0.0	127.9	127.9	0.00	617.00
2420.0	0.00	0.0	127.9	127.9	0.00	617.00
2430.0	0.00	0.0	127.9	127.9	0.00	617.00
2440.0	0.00	0.0	127.9	127.9	0.00	617.00
2450.0	0.00	0.0	127.9	127.9	0.00	617.00
2460.0	0.00	0.0	127.9	127.9	0.00	617.00
2470.0	0.00	0.0	127.9	127.9	0.00	617.00
2480.0	0.00	0.0	127.9	127.9	0.00	617.00
2490.0	0.00	0.0	127.9	127.9	0.00	617.00
2500.0	0.00	0.0	127.9	127.9	0.00	617.00
2510.0	0.00	0.0	127.9	127.9	0.00	617.00
2520.0	0.00	0.0	127.9	127.9	0.00	617.00
2530.0	0.00	0.0	127.9	127.9	0.00	617.00
2540.0	0.00	0.0	127.9	127.9	0.00	617.00
2550.0	0.00	0.0	127.9	127.9	0.00	617.00
2560.0	0.00	0.0	127.9	127.9	0.00	617.00
2570.0	0.00	0.0	127.9	127.9	0.00	617.00
2580.0	0.00	0.0	127.9	127.9	0.00	617.00
2590.0	0.00	0.0	127.9	127.9	0.00	617.00
2600.0	0.00	0.0	127.9	127.9	0.00	617.00
2610.0	0.00	0.0	127.9	127.9	0.00	617.00
2620.0	0.00	0.0	127.9	127.9	0.00	617.00
2630.0	0.00	0.0	127.9	127.9	0.00	617.00
2640.0	0.00	0.0	127.9	127.9	0.00	617.00
2650.0	0.00	0.0	127.9	127.9	0.00	617.00
2660.0	0.00	0.0	127.9	127.9	0.00	617.00
2670.0	0.00	0.0	127.9	127.9	0.00	617.00
2680.0	0.00	0.0	127.9	127.9	0.00	617.00
2690.0	0.00	0.0	127.9	127.9	0.00	617.00
2700.0	0.00	0.0	127.9	127.9	0.00	617.00
2710.0	0.00	0.0	127.9	127.9	0.00	617.00
2720.0	0.00	0.0	127.9	127.9	0.00	617.00
2730.0	0.00	0.0	127.9	127.9	0.00	617.00
2740.0	0.00	0.0	127.9	127.9	0.00	617.00

nd File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\25B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B225BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	127.9	127.9	0.00	617.00
2760.0	0.00	0.0	127.9	127.9	0.00	617.00
2770.0	0.00	0.0	127.9	127.9	0.00	617.00
2780.0	0.00	0.0	127.9	127.9	0.00	617.00
2790.0	0.00	0.0	127.9	127.9	0.00	617.00
2800.0	0.00	0.0	127.9	127.9	0.00	617.00
2810.0	0.00	0.0	127.9	127.9	0.00	617.00
2820.0	0.00	0.0	127.9	127.9	0.00	617.00
2830.0	0.00	0.0	127.9	127.9	0.00	617.00
2840.0	0.00	0.0	127.9	127.9	0.00	617.00
2850.0	0.00	0.0	127.9	127.9	0.00	617.00
2860.0	0.00	0.0	127.9	127.9	0.00	617.00
2870.0	0.00	0.0	127.9	127.9	0.00	617.00
2880.0	0.00	0.0	127.9	127.9	0.00	617.00
2890.0	0.00	0.0	127.9	127.9	0.00	617.00
2900.0	0.00	0.0	127.9	127.9	0.00	617.00
2910.0	0.00	0.0	127.9	127.9	0.00	617.00
2920.0	0.00	0.0	127.9	127.9	0.00	617.00
2930.0	0.00	0.0	127.9	127.9	0.00	617.00
2940.0	0.00	0.0	127.9	127.9	0.00	617.00
2950.0	0.00	0.0	127.9	127.9	0.00	617.00
2960.0	0.00	0.0	127.9	127.9	0.00	617.00
2970.0	0.00	0.0	127.9	127.9	0.00	617.00
2980.0	0.00	0.0	127.9	127.9	0.00	617.00
2990.0	0.00	0.0	127.9	127.9	0.00	617.00
3000.0	0.00	0.0	127.9	127.9	0.00	617.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN2BL.PND
Inflow Hydrograph: J:\data\0203043\25B2 .HYD
Outflow Hydrograph: J:\data\0203043\B225BL .HYD

Starting Pond W.S. Elevation = 617.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 30.41 cfs
Peak Outflow = 17.99 cfs
Peak Elevation = 617.68 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 38,381 cu-ft
Peak Storage From Storm = 18,507 cu-ft

Total Storage in Pond = 56,888 cu-ft

```

*****
*
*      BRIARCHASE      *
*  DETENTION BASIN #2 *
*   BLOCKED LOW FLOW  *
*    REVISED 6/18/03  *
*
*****
    
```

Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Rating Table file: J:\data\0203043\BASIN2BL.PND

----INITIAL CONDITIONS----
 Elevation = 617.00 ft
 Outflow = 0.00 cfs
 Storage = 38,381 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
617.00	0.0	38,381	127.9	127.9
617.20	3.4	43,673	145.6	149.0
617.40	9.5	49,069	163.6	173.1
617.60	16.3	54,570	181.9	198.2
617.80	20.4	60,179	200.6	221.0
618.00	23.8	65,895	219.6	243.4
618.20	26.8	71,712	239.0	265.8
618.40	29.5	77,620	258.7	288.2
618.60	31.9	83,621	278.7	310.6
618.80	34.2	89,717	299.1	333.3
619.00	36.4	95,907	319.7	356.1

Time increment (t) = 10.0 min.

nd File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	127.9	127.9	0.00	617.00
10.0	39.02	39.0	151.0	167.0	7.95	617.35
20.0	39.02	78.0	185.8	229.1	21.63	617.87
30.0	0.00	39.0	182.9	224.9	20.98	617.83
40.0	0.00	0.0	158.6	182.9	12.16	617.48
50.0	0.00	0.0	146.9	158.6	5.83	617.28
60.0	0.00	0.0	140.8	146.9	3.07	617.18
70.0	0.00	0.0	136.6	140.8	2.08	617.12
80.0	0.00	0.0	133.8	136.6	1.40	617.08
90.0	0.00	0.0	131.9	133.8	0.95	617.06
100.0	0.00	0.0	130.6	131.9	0.64	617.04
110.0	0.00	0.0	129.8	130.6	0.44	617.03
120.0	0.00	0.0	129.2	129.8	0.29	617.02
130.0	0.00	0.0	128.8	129.2	0.20	617.01
140.0	0.00	0.0	128.5	128.8	0.13	617.01
150.0	0.00	0.0	128.3	128.5	0.09	617.01
160.0	0.00	0.0	128.2	128.3	0.06	617.00
170.0	0.00	0.0	128.1	128.2	0.04	617.00
180.0	0.00	0.0	128.1	128.1	0.03	617.00
190.0	0.00	0.0	128.0	128.1	0.02	617.00
200.0	0.00	0.0	128.0	128.0	0.01	617.00
210.0	0.00	0.0	128.0	128.0	0.01	617.00
220.0	0.00	0.0	128.0	128.0	0.01	617.00
230.0	0.00	0.0	128.0	128.0	0.00	617.00
240.0	0.00	0.0	127.9	128.0	0.00	617.00
250.0	0.00	0.0	127.9	127.9	0.00	617.00
260.0	0.00	0.0	127.9	127.9	0.00	617.00
270.0	0.00	0.0	127.9	127.9	0.00	617.00
280.0	0.00	0.0	127.9	127.9	0.00	617.00
290.0	0.00	0.0	127.9	127.9	0.00	617.00
300.0	0.00	0.0	127.9	127.9	0.00	617.00
310.0	0.00	0.0	127.9	127.9	0.00	617.00
320.0	0.00	0.0	127.9	127.9	0.00	617.00
330.0	0.00	0.0	127.9	127.9	0.00	617.00
340.0	0.00	0.0	127.9	127.9	0.00	617.00
350.0	0.00	0.0	127.9	127.9	0.00	617.00
360.0	0.00	0.0	127.9	127.9	0.00	617.00
370.0	0.00	0.0	127.9	127.9	0.00	617.00
380.0	0.00	0.0	127.9	127.9	0.00	617.00
390.0	0.00	0.0	127.9	127.9	0.00	617.00
400.0	0.00	0.0	127.9	127.9	0.00	617.00
410.0	0.00	0.0	127.9	127.9	0.00	617.00
420.0	0.00	0.0	127.9	127.9	0.00	617.00
430.0	0.00	0.0	127.9	127.9	0.00	617.00
440.0	0.00	0.0	127.9	127.9	0.00	617.00

and File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	127.9	127.9	0.00	617.00
460.0	0.00	0.0	127.9	127.9	0.00	617.00
470.0	0.00	0.0	127.9	127.9	0.00	617.00
480.0	0.00	0.0	127.9	127.9	0.00	617.00
490.0	0.00	0.0	127.9	127.9	0.00	617.00
500.0	0.00	0.0	127.9	127.9	0.00	617.00
510.0	0.00	0.0	127.9	127.9	0.00	617.00
520.0	0.00	0.0	127.9	127.9	0.00	617.00
530.0	0.00	0.0	127.9	127.9	0.00	617.00
540.0	0.00	0.0	127.9	127.9	0.00	617.00
550.0	0.00	0.0	127.9	127.9	0.00	617.00
560.0	0.00	0.0	127.9	127.9	0.00	617.00
570.0	0.00	0.0	127.9	127.9	0.00	617.00
580.0	0.00	0.0	127.9	127.9	0.00	617.00
590.0	0.00	0.0	127.9	127.9	0.00	617.00
600.0	0.00	0.0	127.9	127.9	0.00	617.00
610.0	0.00	0.0	127.9	127.9	0.00	617.00
620.0	0.00	0.0	127.9	127.9	0.00	617.00
630.0	0.00	0.0	127.9	127.9	0.00	617.00
640.0	0.00	0.0	127.9	127.9	0.00	617.00
650.0	0.00	0.0	127.9	127.9	0.00	617.00
660.0	0.00	0.0	127.9	127.9	0.00	617.00
670.0	0.00	0.0	127.9	127.9	0.00	617.00
680.0	0.00	0.0	127.9	127.9	0.00	617.00
690.0	0.00	0.0	127.9	127.9	0.00	617.00
700.0	0.00	0.0	127.9	127.9	0.00	617.00
710.0	0.00	0.0	127.9	127.9	0.00	617.00
720.0	0.00	0.0	127.9	127.9	0.00	617.00
730.0	0.00	0.0	127.9	127.9	0.00	617.00
740.0	0.00	0.0	127.9	127.9	0.00	617.00
750.0	0.00	0.0	127.9	127.9	0.00	617.00
760.0	0.00	0.0	127.9	127.9	0.00	617.00
770.0	0.00	0.0	127.9	127.9	0.00	617.00
780.0	0.00	0.0	127.9	127.9	0.00	617.00
790.0	0.00	0.0	127.9	127.9	0.00	617.00
800.0	0.00	0.0	127.9	127.9	0.00	617.00
810.0	0.00	0.0	127.9	127.9	0.00	617.00
820.0	0.00	0.0	127.9	127.9	0.00	617.00
830.0	0.00	0.0	127.9	127.9	0.00	617.00
840.0	0.00	0.0	127.9	127.9	0.00	617.00
850.0	0.00	0.0	127.9	127.9	0.00	617.00
860.0	0.00	0.0	127.9	127.9	0.00	617.00
870.0	0.00	0.0	127.9	127.9	0.00	617.00
880.0	0.00	0.0	127.9	127.9	0.00	617.00
890.0	0.00	0.0	127.9	127.9	0.00	617.00
900.0	0.00	0.0	127.9	127.9	0.00	617.00

nd File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	127.9	127.9	0.00	617.00
920.0	0.00	0.0	127.9	127.9	0.00	617.00
930.0	0.00	0.0	127.9	127.9	0.00	617.00
940.0	0.00	0.0	127.9	127.9	0.00	617.00
950.0	0.00	0.0	127.9	127.9	0.00	617.00
960.0	0.00	0.0	127.9	127.9	0.00	617.00
970.0	0.00	0.0	127.9	127.9	0.00	617.00
980.0	0.00	0.0	127.9	127.9	0.00	617.00
990.0	0.00	0.0	127.9	127.9	0.00	617.00
1000.0	0.00	0.0	127.9	127.9	0.00	617.00
1010.0	0.00	0.0	127.9	127.9	0.00	617.00
1020.0	0.00	0.0	127.9	127.9	0.00	617.00
1030.0	0.00	0.0	127.9	127.9	0.00	617.00
1040.0	0.00	0.0	127.9	127.9	0.00	617.00
1050.0	0.00	0.0	127.9	127.9	0.00	617.00
1060.0	0.00	0.0	127.9	127.9	0.00	617.00
1070.0	0.00	0.0	127.9	127.9	0.00	617.00
1080.0	0.00	0.0	127.9	127.9	0.00	617.00
1090.0	0.00	0.0	127.9	127.9	0.00	617.00
1100.0	0.00	0.0	127.9	127.9	0.00	617.00
1110.0	0.00	0.0	127.9	127.9	0.00	617.00
1120.0	0.00	0.0	127.9	127.9	0.00	617.00
1130.0	0.00	0.0	127.9	127.9	0.00	617.00
1140.0	0.00	0.0	127.9	127.9	0.00	617.00
1150.0	0.00	0.0	127.9	127.9	0.00	617.00
1160.0	0.00	0.0	127.9	127.9	0.00	617.00
1170.0	0.00	0.0	127.9	127.9	0.00	617.00
1180.0	0.00	0.0	127.9	127.9	0.00	617.00
1190.0	0.00	0.0	127.9	127.9	0.00	617.00
1200.0	0.00	0.0	127.9	127.9	0.00	617.00
1210.0	0.00	0.0	127.9	127.9	0.00	617.00
1220.0	0.00	0.0	127.9	127.9	0.00	617.00
1230.0	0.00	0.0	127.9	127.9	0.00	617.00
1240.0	0.00	0.0	127.9	127.9	0.00	617.00
1250.0	0.00	0.0	127.9	127.9	0.00	617.00
1260.0	0.00	0.0	127.9	127.9	0.00	617.00
1270.0	0.00	0.0	127.9	127.9	0.00	617.00
1280.0	0.00	0.0	127.9	127.9	0.00	617.00
1290.0	0.00	0.0	127.9	127.9	0.00	617.00
1300.0	0.00	0.0	127.9	127.9	0.00	617.00
1310.0	0.00	0.0	127.9	127.9	0.00	617.00
1320.0	0.00	0.0	127.9	127.9	0.00	617.00
1330.0	0.00	0.0	127.9	127.9	0.00	617.00
1340.0	0.00	0.0	127.9	127.9	0.00	617.00
1350.0	0.00	0.0	127.9	127.9	0.00	617.00
1360.0	0.00	0.0	127.9	127.9	0.00	617.00

nd File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	127.9	127.9	0.00	617.00
1380.0	0.00	0.0	127.9	127.9	0.00	617.00
1390.0	0.00	0.0	127.9	127.9	0.00	617.00
1400.0	0.00	0.0	127.9	127.9	0.00	617.00
1410.0	0.00	0.0	127.9	127.9	0.00	617.00
1420.0	0.00	0.0	127.9	127.9	0.00	617.00
1430.0	0.00	0.0	127.9	127.9	0.00	617.00
1440.0	0.00	0.0	127.9	127.9	0.00	617.00
1450.0	0.00	0.0	127.9	127.9	0.00	617.00
1460.0	0.00	0.0	127.9	127.9	0.00	617.00
1470.0	0.00	0.0	127.9	127.9	0.00	617.00
1480.0	0.00	0.0	127.9	127.9	0.00	617.00
1490.0	0.00	0.0	127.9	127.9	0.00	617.00
1500.0	0.00	0.0	127.9	127.9	0.00	617.00
1510.0	0.00	0.0	127.9	127.9	0.00	617.00
1520.0	0.00	0.0	127.9	127.9	0.00	617.00
1530.0	0.00	0.0	127.9	127.9	0.00	617.00
1540.0	0.00	0.0	127.9	127.9	0.00	617.00
1550.0	0.00	0.0	127.9	127.9	0.00	617.00
1560.0	0.00	0.0	127.9	127.9	0.00	617.00
1570.0	0.00	0.0	127.9	127.9	0.00	617.00
1580.0	0.00	0.0	127.9	127.9	0.00	617.00
1590.0	0.00	0.0	127.9	127.9	0.00	617.00
1600.0	0.00	0.0	127.9	127.9	0.00	617.00
1610.0	0.00	0.0	127.9	127.9	0.00	617.00
1620.0	0.00	0.0	127.9	127.9	0.00	617.00
1630.0	0.00	0.0	127.9	127.9	0.00	617.00
1640.0	0.00	0.0	127.9	127.9	0.00	617.00
1650.0	0.00	0.0	127.9	127.9	0.00	617.00
1660.0	0.00	0.0	127.9	127.9	0.00	617.00
1670.0	0.00	0.0	127.9	127.9	0.00	617.00
1680.0	0.00	0.0	127.9	127.9	0.00	617.00
1690.0	0.00	0.0	127.9	127.9	0.00	617.00
1700.0	0.00	0.0	127.9	127.9	0.00	617.00
1710.0	0.00	0.0	127.9	127.9	0.00	617.00
1720.0	0.00	0.0	127.9	127.9	0.00	617.00
1730.0	0.00	0.0	127.9	127.9	0.00	617.00
1740.0	0.00	0.0	127.9	127.9	0.00	617.00
1750.0	0.00	0.0	127.9	127.9	0.00	617.00
1760.0	0.00	0.0	127.9	127.9	0.00	617.00
1770.0	0.00	0.0	127.9	127.9	0.00	617.00
1780.0	0.00	0.0	127.9	127.9	0.00	617.00
1790.0	0.00	0.0	127.9	127.9	0.00	617.00
1800.0	0.00	0.0	127.9	127.9	0.00	617.00
1810.0	0.00	0.0	127.9	127.9	0.00	617.00
1820.0	0.00	0.0	127.9	127.9	0.00	617.00

nd File: J:\data\0203043\BASIN2BL.PND
 Inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	127.9	127.9	0.00	617.00
1840.0	0.00	0.0	127.9	127.9	0.00	617.00
1850.0	0.00	0.0	127.9	127.9	0.00	617.00
1860.0	0.00	0.0	127.9	127.9	0.00	617.00
1870.0	0.00	0.0	127.9	127.9	0.00	617.00
1880.0	0.00	0.0	127.9	127.9	0.00	617.00
1890.0	0.00	0.0	127.9	127.9	0.00	617.00
1900.0	0.00	0.0	127.9	127.9	0.00	617.00
1910.0	0.00	0.0	127.9	127.9	0.00	617.00
1920.0	0.00	0.0	127.9	127.9	0.00	617.00
1930.0	0.00	0.0	127.9	127.9	0.00	617.00
1940.0	0.00	0.0	127.9	127.9	0.00	617.00
1950.0	0.00	0.0	127.9	127.9	0.00	617.00
1960.0	0.00	0.0	127.9	127.9	0.00	617.00
1970.0	0.00	0.0	127.9	127.9	0.00	617.00
1980.0	0.00	0.0	127.9	127.9	0.00	617.00
1990.0	0.00	0.0	127.9	127.9	0.00	617.00
2000.0	0.00	0.0	127.9	127.9	0.00	617.00
2010.0	0.00	0.0	127.9	127.9	0.00	617.00
2020.0	0.00	0.0	127.9	127.9	0.00	617.00
2030.0	0.00	0.0	127.9	127.9	0.00	617.00
2040.0	0.00	0.0	127.9	127.9	0.00	617.00
2050.0	0.00	0.0	127.9	127.9	0.00	617.00
2060.0	0.00	0.0	127.9	127.9	0.00	617.00
2070.0	0.00	0.0	127.9	127.9	0.00	617.00
2080.0	0.00	0.0	127.9	127.9	0.00	617.00
2090.0	0.00	0.0	127.9	127.9	0.00	617.00
2100.0	0.00	0.0	127.9	127.9	0.00	617.00
2110.0	0.00	0.0	127.9	127.9	0.00	617.00
2120.0	0.00	0.0	127.9	127.9	0.00	617.00
2130.0	0.00	0.0	127.9	127.9	0.00	617.00
2140.0	0.00	0.0	127.9	127.9	0.00	617.00
2150.0	0.00	0.0	127.9	127.9	0.00	617.00
2160.0	0.00	0.0	127.9	127.9	0.00	617.00
2170.0	0.00	0.0	127.9	127.9	0.00	617.00
2180.0	0.00	0.0	127.9	127.9	0.00	617.00
2190.0	0.00	0.0	127.9	127.9	0.00	617.00
2200.0	0.00	0.0	127.9	127.9	0.00	617.00
2210.0	0.00	0.0	127.9	127.9	0.00	617.00
2220.0	0.00	0.0	127.9	127.9	0.00	617.00
2230.0	0.00	0.0	127.9	127.9	0.00	617.00
2240.0	0.00	0.0	127.9	127.9	0.00	617.00
2250.0	0.00	0.0	127.9	127.9	0.00	617.00
2260.0	0.00	0.0	127.9	127.9	0.00	617.00
2270.0	0.00	0.0	127.9	127.9	0.00	617.00
2280.0	0.00	0.0	127.9	127.9	0.00	617.00

nd File: J:\data\0203043\BASIN2BL.PND
 inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	127.9	127.9	0.00	617.00
2300.0	0.00	0.0	127.9	127.9	0.00	617.00
2310.0	0.00	0.0	127.9	127.9	0.00	617.00
2320.0	0.00	0.0	127.9	127.9	0.00	617.00
2330.0	0.00	0.0	127.9	127.9	0.00	617.00
2340.0	0.00	0.0	127.9	127.9	0.00	617.00
2350.0	0.00	0.0	127.9	127.9	0.00	617.00
2360.0	0.00	0.0	127.9	127.9	0.00	617.00
2370.0	0.00	0.0	127.9	127.9	0.00	617.00
2380.0	0.00	0.0	127.9	127.9	0.00	617.00
2390.0	0.00	0.0	127.9	127.9	0.00	617.00
2400.0	0.00	0.0	127.9	127.9	0.00	617.00
2410.0	0.00	0.0	127.9	127.9	0.00	617.00
2420.0	0.00	0.0	127.9	127.9	0.00	617.00
2430.0	0.00	0.0	127.9	127.9	0.00	617.00
2440.0	0.00	0.0	127.9	127.9	0.00	617.00
2450.0	0.00	0.0	127.9	127.9	0.00	617.00
2460.0	0.00	0.0	127.9	127.9	0.00	617.00
2470.0	0.00	0.0	127.9	127.9	0.00	617.00
2480.0	0.00	0.0	127.9	127.9	0.00	617.00
2490.0	0.00	0.0	127.9	127.9	0.00	617.00
2500.0	0.00	0.0	127.9	127.9	0.00	617.00
2510.0	0.00	0.0	127.9	127.9	0.00	617.00
2520.0	0.00	0.0	127.9	127.9	0.00	617.00
2530.0	0.00	0.0	127.9	127.9	0.00	617.00
2540.0	0.00	0.0	127.9	127.9	0.00	617.00
2550.0	0.00	0.0	127.9	127.9	0.00	617.00
2560.0	0.00	0.0	127.9	127.9	0.00	617.00
2570.0	0.00	0.0	127.9	127.9	0.00	617.00
2580.0	0.00	0.0	127.9	127.9	0.00	617.00
2590.0	0.00	0.0	127.9	127.9	0.00	617.00
2600.0	0.00	0.0	127.9	127.9	0.00	617.00
2610.0	0.00	0.0	127.9	127.9	0.00	617.00
2620.0	0.00	0.0	127.9	127.9	0.00	617.00
2630.0	0.00	0.0	127.9	127.9	0.00	617.00
2640.0	0.00	0.0	127.9	127.9	0.00	617.00
2650.0	0.00	0.0	127.9	127.9	0.00	617.00
2660.0	0.00	0.0	127.9	127.9	0.00	617.00
2670.0	0.00	0.0	127.9	127.9	0.00	617.00
2680.0	0.00	0.0	127.9	127.9	0.00	617.00
2690.0	0.00	0.0	127.9	127.9	0.00	617.00
2700.0	0.00	0.0	127.9	127.9	0.00	617.00
2710.0	0.00	0.0	127.9	127.9	0.00	617.00
2720.0	0.00	0.0	127.9	127.9	0.00	617.00
2730.0	0.00	0.0	127.9	127.9	0.00	617.00
2740.0	0.00	0.0	127.9	127.9	0.00	617.00

and File: J:\data\0203043\BASIN2BL.PND
 inflow Hydrograph: J:\data\0203043\100B2 .HYD
 Outflow Hydrograph: J:\data\0203043\B2100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	127.9	127.9	0.00	617.00
2760.0	0.00	0.0	127.9	127.9	0.00	617.00
2770.0	0.00	0.0	127.9	127.9	0.00	617.00
2780.0	0.00	0.0	127.9	127.9	0.00	617.00
2790.0	0.00	0.0	127.9	127.9	0.00	617.00
2800.0	0.00	0.0	127.9	127.9	0.00	617.00
2810.0	0.00	0.0	127.9	127.9	0.00	617.00
2820.0	0.00	0.0	127.9	127.9	0.00	617.00
2830.0	0.00	0.0	127.9	127.9	0.00	617.00
2840.0	0.00	0.0	127.9	127.9	0.00	617.00
2850.0	0.00	0.0	127.9	127.9	0.00	617.00
2860.0	0.00	0.0	127.9	127.9	0.00	617.00
2870.0	0.00	0.0	127.9	127.9	0.00	617.00
2880.0	0.00	0.0	127.9	127.9	0.00	617.00
2890.0	0.00	0.0	127.9	127.9	0.00	617.00
2900.0	0.00	0.0	127.9	127.9	0.00	617.00
2910.0	0.00	0.0	127.9	127.9	0.00	617.00
2920.0	0.00	0.0	127.9	127.9	0.00	617.00
2930.0	0.00	0.0	127.9	127.9	0.00	617.00
2940.0	0.00	0.0	127.9	127.9	0.00	617.00
2950.0	0.00	0.0	127.9	127.9	0.00	617.00
2960.0	0.00	0.0	127.9	127.9	0.00	617.00
2970.0	0.00	0.0	127.9	127.9	0.00	617.00
2980.0	0.00	0.0	127.9	127.9	0.00	617.00
2990.0	0.00	0.0	127.9	127.9	0.00	617.00
3000.0	0.00	0.0	127.9	127.9	0.00	617.00

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN2BL.PND
Inflow Hydrograph: J:\data\0203043\100B2 .HYD
Outflow Hydrograph: J:\data\0203043\B2100BL .HYD

Starting Pond W.S. Elevation = 617.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 39.02 cfs
Peak Outflow = 21.63 cfs
Peak Elevation = 617.87 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 38,381 cu-ft
Peak Storage From Storm = 23,857 cu-ft

Total Storage in Pond = 62,238 cu-ft

POND-2 Version: 5.17
 S/N: 1903000008

BRIARCHASE
 DETENTION BASIN #3

CALCULATED 11-11-2002 11:31:35
 DISK FILE: J:\data\0203043\BASIN3 .VOL

Planimeter scale: 1 inch = 1 ft.

Elevation (ft)	Planimeter (sq.in.)	Area (sq.ft)	A1+A2+sq ^r (A1*A2) (sq.ft)	* Volume (cubic-ft)	Volume Sum (cubic-ft)
617.00	51,551.00	51,551	0	0	0
618.00	54,779.00	54,779	159,470	53,157	53,157
619.00	58,074.00	58,074	169,255	56,418	109,575
620.00	61,354.00	61,354	179,119	59,706	169,282
621.00	65,202.00	65,202	189,805	63,268	232,550

$$IA = (\text{sq. rt}(\text{Area1}) + ((E_i - E_1) / (E_2 - E_1)) * (\text{sq. rt}(\text{Area2}) - \text{sq. rt}(\text{Area1})))^2$$

where: E1, E2 = Closest two elevations with planimeter data
 E_i = Elevation at which to interpolate area
 Area1, Area2 = Areas computed for E1, E2, respectively
 IA = Interpolated area for E_i

* Incremental volume computed by the Conic Method for Reservoir Volumes.

$$\text{Volume} = (1/3) * (EL2 - EL1) * (\text{Area1} + \text{Area2} + \text{sq. rt.}(\text{Area1} * \text{Area2}))$$

where: EL1, EL2 = Lower and upper elevations of the increment
 Area1, Area2 = Areas computed for EL1, EL2, respectively
 Volume = Incremental volume between EL1 and EL2

Outlet Structure File: BASIN3 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRIARCHASE
OVERFLOW STRUCTURE
DETENTION BASIN #3
11/11/02

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
617.00	0.0	1
617.20	0.1	1
617.40	0.2	1
617.60	0.4	1
617.80	0.6	1
618.00	0.8	1
618.20	1.1	1
618.40	1.4	1
618.60	1.7	1
618.80	2.0	1 +3
619.00	8.0	1 +3
619.20	18.6	1 +3
619.40	32.3	1 +3
619.60	48.5	1 +3
619.80	66.8	1 +3
620.00	89.8	2 +4
620.20	103.3	2 +4
620.40	115.2	2 +4
620.60	126.0	2 +4
620.80	135.9	2 +4
621.00	145.2	2 +4

Outlet Structure File: BASIN3 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRIARCHASE
OVERFLOW STRUCTURE
DETENTION BASIN #3
11/11/02

Outlet Structure File: J:\data\0203043\BASIN3 .STR
Planimeter Input File: J:\data\0203043\BASIN3 .VOL
Rating Table Output File: J:\data\0203043\BASIN3 .PND

Min. Elev.(ft) = 617 Max. Elev.(ft) = 621 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
-----	---	-----	-----
WEIR-VR	1	->	1
ORIFICE	2	->	2
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
J:\data\0203043\BASIN3 .PND

Outlet Structure File: BASIN3 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

```
*****  
      BRIARCHASE  
OVERFLOW STRUCTURE  
DETENTION BASIN #3  
      11/11/02  
*****
```

>>>>> Structure No. 1 <<<<<<
 (Input Data)

WEIR-VR

Weir - Vertical Rectangular

E1 elev.(ft)?	617
E2 elev.(ft)?	620
Weir coefficient?	3.3
Weir elev.(ft)?	617
Length (ft)?	.25
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN3 .STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

```
*****  
      BRIARCHASE  
OVERFLOW STRUCTURE  
DETENTION BASIN #3  
      11/11/02  
*****
```

>>>>> Structure No. 2 <<<<<<
 (Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	620
E2 elev.(ft)?	621.001
Orifice coeff.?	.6
Invert elev.(ft)?	617
Datum elev.(ft) ?	618.5
Orifice area (sq ft)?	.75

Outlet Structure File: BASIN3 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRIARCHASE
OVERFLOW STRUCTURE
DETENTION BASIN #3
11/11/02

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev.(ft)?	618.8
E2 elev.(ft)?	620
Weir coefficient?	3.3
Weir elev.(ft)?	618.8
Length (ft)?	19.08
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN3 .STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRIARCHASE
OVERFLOW STRUCTURE
DETENTION BASIN #3
11/11/02

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE

Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	620
E2 elev.(ft)?	621.001
Orifice coeff.?	.6
Invert elev.(ft)?	618.8
Datum elev.(ft) ?	619.4
Orifice area (sq ft)?	22.90

```
*****  
*  
*          BRIARCHASE          *  
*    DETENTION BASIN #3      *  
*  
*  
*  
*****
```

Inflow Hydrograph: J:\data\0203043\02B3 .HYD
Rating Table file: J:\data\0203043\BASIN3 .PND

----INITIAL CONDITIONS----

Elevation = 617.00 ft
Outflow = 0.00 cfs
Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
617.00	0.0	0	0.0	0.0
617.20	0.1	10,375	34.6	34.7
617.40	0.2	20,877	69.6	69.8
617.60	0.4	31,505	105.0	105.4
617.80	0.6	42,266	140.9	141.5
618.00	0.8	53,157	177.2	178.0
618.20	1.1	64,178	213.9	215.0
618.40	1.4	75,330	251.1	252.5
618.60	1.7	86,611	288.7	290.4
618.80	2.0	98,027	326.8	328.8
619.00	8.0	109,575	365.3	373.3
619.20	18.6	121,256	404.2	422.8
619.40	32.3	133,066	443.6	475.9
619.60	48.5	145,004	483.3	531.8
619.80	66.8	157,076	523.6	590.4
620.00	89.8	169,282	564.3	654.1
620.20	103.3	181,630	605.4	708.7
620.40	115.2	194,129	647.1	762.3
620.60	126.0	206,779	689.3	815.3
620.80	135.9	219,587	732.0	867.9
621.00	145.2	232,550	775.2	920.4

Time increment (t) = 10.0 min.

ond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\E302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	617.00
10.0	37.88	37.9	37.7	37.9	0.11	617.22
20.0	37.88	75.8	112.5	113.4	0.44	617.64
30.0	0.00	37.9	149.1	150.4	0.65	617.85
40.0	0.00	0.0	147.8	149.1	0.64	617.84
50.0	0.00	0.0	146.6	147.8	0.63	617.83
60.0	0.00	0.0	145.3	146.6	0.63	617.83
70.0	0.00	0.0	144.1	145.3	0.62	617.82
80.0	0.00	0.0	142.8	144.1	0.61	617.81
90.0	0.00	0.0	141.6	142.8	0.61	617.81
100.0	0.00	0.0	140.4	141.6	0.60	617.80
110.0	0.00	0.0	139.2	140.4	0.59	617.79
120.0	0.00	0.0	138.1	139.2	0.59	617.79
130.0	0.00	0.0	136.9	138.1	0.58	617.78
140.0	0.00	0.0	135.7	136.9	0.57	617.77
150.0	0.00	0.0	134.6	135.7	0.57	617.77
160.0	0.00	0.0	133.5	134.6	0.56	617.76
170.0	0.00	0.0	132.4	133.5	0.56	617.76
180.0	0.00	0.0	131.3	132.4	0.55	617.75
190.0	0.00	0.0	130.2	131.3	0.54	617.74
200.0	0.00	0.0	129.1	130.2	0.54	617.74
210.0	0.00	0.0	128.1	129.1	0.53	617.73
220.0	0.00	0.0	127.0	128.1	0.53	617.73
230.0	0.00	0.0	126.0	127.0	0.52	617.72
240.0	0.00	0.0	124.9	126.0	0.51	617.71
250.0	0.00	0.0	123.9	124.9	0.51	617.71
260.0	0.00	0.0	122.9	123.9	0.50	617.70
270.0	0.00	0.0	121.9	122.9	0.50	617.70
280.0	0.00	0.0	120.9	121.9	0.49	617.69
290.0	0.00	0.0	120.0	120.9	0.49	617.69
300.0	0.00	0.0	119.0	120.0	0.48	617.68
310.0	0.00	0.0	118.1	119.0	0.48	617.68
320.0	0.00	0.0	117.1	118.1	0.47	617.67
330.0	0.00	0.0	116.2	117.1	0.46	617.66
340.0	0.00	0.0	115.3	116.2	0.46	617.66
350.0	0.00	0.0	114.4	115.3	0.45	617.65
360.0	0.00	0.0	113.5	114.4	0.45	617.65
370.0	0.00	0.0	112.6	113.5	0.44	617.64
380.0	0.00	0.0	111.7	112.6	0.44	617.64
390.0	0.00	0.0	110.8	111.7	0.43	617.63
400.0	0.00	0.0	110.0	110.8	0.43	617.63
410.0	0.00	0.0	109.1	110.0	0.43	617.63
420.0	0.00	0.0	108.3	109.1	0.42	617.62
430.0	0.00	0.0	107.4	108.3	0.42	617.62
440.0	0.00	0.0	106.6	107.4	0.41	617.61

ond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	105.8	106.6	0.41	617.61
460.0	0.00	0.0	105.0	105.8	0.40	617.60
470.0	0.00	0.0	104.2	105.0	0.40	617.60
480.0	0.00	0.0	103.4	104.2	0.39	617.59
490.0	0.00	0.0	102.6	103.4	0.39	617.59
500.0	0.00	0.0	101.9	102.6	0.38	617.58
510.0	0.00	0.0	101.1	101.9	0.38	617.58
520.0	0.00	0.0	100.4	101.1	0.38	617.58
530.0	0.00	0.0	99.6	100.4	0.37	617.57
540.0	0.00	0.0	98.9	99.6	0.37	617.57
550.0	0.00	0.0	98.1	98.9	0.36	617.56
560.0	0.00	0.0	97.4	98.1	0.36	617.56
570.0	0.00	0.0	96.7	97.4	0.36	617.56
580.0	0.00	0.0	96.0	96.7	0.35	617.55
590.0	0.00	0.0	95.3	96.0	0.35	617.55
600.0	0.00	0.0	94.6	95.3	0.34	617.54
610.0	0.00	0.0	94.0	94.6	0.34	617.54
620.0	0.00	0.0	93.3	94.0	0.34	617.54
630.0	0.00	0.0	92.6	93.3	0.33	617.53
640.0	0.00	0.0	92.0	92.6	0.33	617.53
650.0	0.00	0.0	91.3	92.0	0.32	617.52
660.0	0.00	0.0	90.7	91.3	0.32	617.52
670.0	0.00	0.0	90.0	90.7	0.32	617.52
680.0	0.00	0.0	89.4	90.0	0.31	617.51
690.0	0.00	0.0	88.8	89.4	0.31	617.51
700.0	0.00	0.0	88.2	88.8	0.31	617.51
710.0	0.00	0.0	87.6	88.2	0.30	617.50
720.0	0.00	0.0	87.0	87.6	0.30	617.50
730.0	0.00	0.0	86.4	87.0	0.30	617.50
740.0	0.00	0.0	85.8	86.4	0.29	617.49
750.0	0.00	0.0	85.2	85.8	0.29	617.49
760.0	0.00	0.0	84.6	85.2	0.29	617.49
770.0	0.00	0.0	84.1	84.6	0.28	617.48
780.0	0.00	0.0	83.5	84.1	0.28	617.48
790.0	0.00	0.0	83.0	83.5	0.28	617.48
800.0	0.00	0.0	82.4	83.0	0.27	617.47
810.0	0.00	0.0	81.9	82.4	0.27	617.47
820.0	0.00	0.0	81.3	81.9	0.27	617.47
830.0	0.00	0.0	80.8	81.3	0.26	617.46
840.0	0.00	0.0	80.3	80.8	0.26	617.46
850.0	0.00	0.0	79.8	80.3	0.26	617.46
860.0	0.00	0.0	79.3	79.8	0.26	617.46
870.0	0.00	0.0	78.7	79.3	0.25	617.45
880.0	0.00	0.0	78.2	78.7	0.25	617.45
890.0	0.00	0.0	77.8	78.2	0.25	617.45
900.0	0.00	0.0	77.3	77.8	0.24	617.44

ond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	76.8	77.3	0.24	617.44
920.0	0.00	0.0	76.3	76.8	0.24	617.44
930.0	0.00	0.0	75.8	76.3	0.24	617.44
940.0	0.00	0.0	75.4	75.8	0.23	617.43
950.0	0.00	0.0	74.9	75.4	0.23	617.43
960.0	0.00	0.0	74.4	74.9	0.23	617.43
970.0	0.00	0.0	74.0	74.4	0.23	617.43
980.0	0.00	0.0	73.5	74.0	0.22	617.42
990.0	0.00	0.0	73.1	73.5	0.22	617.42
1000.0	0.00	0.0	72.7	73.1	0.22	617.42
1010.0	0.00	0.0	72.2	72.7	0.22	617.42
1020.0	0.00	0.0	71.8	72.2	0.21	617.41
1030.0	0.00	0.0	71.4	71.8	0.21	617.41
1040.0	0.00	0.0	71.0	71.4	0.21	617.41
1050.0	0.00	0.0	70.5	71.0	0.21	617.41
1060.0	0.00	0.0	70.1	70.5	0.20	617.40
1070.0	0.00	0.0	69.7	70.1	0.20	617.40
1080.0	0.00	0.0	69.3	69.7	0.20	617.40
1090.0	0.00	0.0	68.9	69.3	0.20	617.40
1100.0	0.00	0.0	68.5	68.9	0.20	617.40
1110.0	0.00	0.0	68.1	68.5	0.20	617.39
1120.0	0.00	0.0	67.8	68.1	0.20	617.39
1130.0	0.00	0.0	67.4	67.8	0.19	617.39
1140.0	0.00	0.0	67.0	67.4	0.19	617.39
1150.0	0.00	0.0	66.6	67.0	0.19	617.38
1160.0	0.00	0.0	66.2	66.6	0.19	617.38
1170.0	0.00	0.0	65.8	66.2	0.19	617.38
1180.0	0.00	0.0	65.5	65.8	0.19	617.38
1190.0	0.00	0.0	65.1	65.5	0.19	617.38
1200.0	0.00	0.0	64.7	65.1	0.19	617.37
1210.0	0.00	0.0	64.3	64.7	0.19	617.37
1220.0	0.00	0.0	64.0	64.3	0.18	617.37
1230.0	0.00	0.0	63.6	64.0	0.18	617.37
1240.0	0.00	0.0	63.2	63.6	0.18	617.36
1250.0	0.00	0.0	62.9	63.2	0.18	617.36
1260.0	0.00	0.0	62.5	62.9	0.18	617.36
1270.0	0.00	0.0	62.2	62.5	0.18	617.36
1280.0	0.00	0.0	61.8	62.2	0.18	617.36
1290.0	0.00	0.0	61.4	61.8	0.18	617.35
1300.0	0.00	0.0	61.1	61.4	0.18	617.35
1310.0	0.00	0.0	60.7	61.1	0.18	617.35
1320.0	0.00	0.0	60.4	60.7	0.17	617.35
1330.0	0.00	0.0	60.0	60.4	0.17	617.35
1340.0	0.00	0.0	59.7	60.0	0.17	617.34
1350.0	0.00	0.0	59.4	59.7	0.17	617.34
1360.0	0.00	0.0	59.0	59.4	0.17	617.34

and File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	58.7	59.0	0.17	617.34
1380.0	0.00	0.0	58.3	58.7	0.17	617.34
1390.0	0.00	0.0	58.0	58.3	0.17	617.33
1400.0	0.00	0.0	57.7	58.0	0.17	617.33
1410.0	0.00	0.0	57.3	57.7	0.17	617.33
1420.0	0.00	0.0	57.0	57.3	0.16	617.33
1430.0	0.00	0.0	56.7	57.0	0.16	617.33
1440.0	0.00	0.0	56.4	56.7	0.16	617.33
1450.0	0.00	0.0	56.0	56.4	0.16	617.32
1460.0	0.00	0.0	55.7	56.0	0.16	617.32
1470.0	0.00	0.0	55.4	55.7	0.16	617.32
1480.0	0.00	0.0	55.1	55.4	0.16	617.32
1490.0	0.00	0.0	54.8	55.1	0.16	617.32
1500.0	0.00	0.0	54.5	54.8	0.16	617.31
1510.0	0.00	0.0	54.1	54.5	0.16	617.31
1520.0	0.00	0.0	53.8	54.1	0.16	617.31
1530.0	0.00	0.0	53.5	53.8	0.15	617.31
1540.0	0.00	0.0	53.2	53.5	0.15	617.31
1550.0	0.00	0.0	52.9	53.2	0.15	617.31
1560.0	0.00	0.0	52.6	52.9	0.15	617.30
1570.0	0.00	0.0	52.3	52.6	0.15	617.30
1580.0	0.00	0.0	52.0	52.3	0.15	617.30
1590.0	0.00	0.0	51.7	52.0	0.15	617.30
1600.0	0.00	0.0	51.4	51.7	0.15	617.30
1610.0	0.00	0.0	51.1	51.4	0.15	617.30
1620.0	0.00	0.0	50.8	51.1	0.15	617.29
1630.0	0.00	0.0	50.5	50.8	0.15	617.29
1640.0	0.00	0.0	50.2	50.5	0.15	617.29
1650.0	0.00	0.0	49.9	50.2	0.14	617.29
1660.0	0.00	0.0	49.7	49.9	0.14	617.29
1670.0	0.00	0.0	49.4	49.7	0.14	617.29
1680.0	0.00	0.0	49.1	49.4	0.14	617.28
1690.0	0.00	0.0	48.8	49.1	0.14	617.28
1700.0	0.00	0.0	48.5	48.8	0.14	617.28
1710.0	0.00	0.0	48.2	48.5	0.14	617.28
1720.0	0.00	0.0	48.0	48.2	0.14	617.28
1730.0	0.00	0.0	47.7	48.0	0.14	617.28
1740.0	0.00	0.0	47.4	47.7	0.14	617.27
1750.0	0.00	0.0	47.1	47.4	0.14	617.27
1760.0	0.00	0.0	46.9	47.1	0.14	617.27
1770.0	0.00	0.0	46.6	46.9	0.13	617.27
1780.0	0.00	0.0	46.3	46.6	0.13	617.27
1790.0	0.00	0.0	46.1	46.3	0.13	617.27
1800.0	0.00	0.0	45.8	46.1	0.13	617.26
1810.0	0.00	0.0	45.5	45.8	0.13	617.26
1820.0	0.00	0.0	45.3	45.5	0.13	617.26

and File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	45.0	45.3	0.13	617.26
1840.0	0.00	0.0	44.8	45.0	0.13	617.26
1850.0	0.00	0.0	44.5	44.8	0.13	617.26
1860.0	0.00	0.0	44.3	44.5	0.13	617.26
1870.0	0.00	0.0	44.0	44.3	0.13	617.25
1880.0	0.00	0.0	43.7	44.0	0.13	617.25
1890.0	0.00	0.0	43.5	43.7	0.13	617.25
1900.0	0.00	0.0	43.2	43.5	0.13	617.25
1910.0	0.00	0.0	43.0	43.2	0.12	617.25
1920.0	0.00	0.0	42.7	43.0	0.12	617.25
1930.0	0.00	0.0	42.5	42.7	0.12	617.25
1940.0	0.00	0.0	42.3	42.5	0.12	617.24
1950.0	0.00	0.0	42.0	42.3	0.12	617.24
1960.0	0.00	0.0	41.8	42.0	0.12	617.24
1970.0	0.00	0.0	41.5	41.8	0.12	617.24
1980.0	0.00	0.0	41.3	41.5	0.12	617.24
1990.0	0.00	0.0	41.1	41.3	0.12	617.24
2000.0	0.00	0.0	40.8	41.1	0.12	617.24
2010.0	0.00	0.0	40.6	40.8	0.12	617.23
2020.0	0.00	0.0	40.3	40.6	0.12	617.23
2030.0	0.00	0.0	40.1	40.3	0.12	617.23
2040.0	0.00	0.0	39.9	40.1	0.12	617.23
2050.0	0.00	0.0	39.7	39.9	0.11	617.23
2060.0	0.00	0.0	39.4	39.7	0.11	617.23
2070.0	0.00	0.0	39.2	39.4	0.11	617.23
2080.0	0.00	0.0	39.0	39.2	0.11	617.23
2090.0	0.00	0.0	38.7	39.0	0.11	617.22
2100.0	0.00	0.0	38.5	38.7	0.11	617.22
2110.0	0.00	0.0	38.3	38.5	0.11	617.22
2120.0	0.00	0.0	38.1	38.3	0.11	617.22
2130.0	0.00	0.0	37.9	38.1	0.11	617.22
2140.0	0.00	0.0	37.6	37.9	0.11	617.22
2150.0	0.00	0.0	37.4	37.6	0.11	617.22
2160.0	0.00	0.0	37.2	37.4	0.11	617.22
2170.0	0.00	0.0	37.0	37.2	0.11	617.21
2180.0	0.00	0.0	36.8	37.0	0.11	617.21
2190.0	0.00	0.0	36.6	36.8	0.11	617.21
2200.0	0.00	0.0	36.4	36.6	0.11	617.21
2210.0	0.00	0.0	36.2	36.4	0.10	617.21
2220.0	0.00	0.0	35.9	36.2	0.10	617.21
2230.0	0.00	0.0	35.7	35.9	0.10	617.21
2240.0	0.00	0.0	35.5	35.7	0.10	617.21
2250.0	0.00	0.0	35.3	35.5	0.10	617.20
2260.0	0.00	0.0	35.1	35.3	0.10	617.20
2270.0	0.00	0.0	34.9	35.1	0.10	617.20
2280.0	0.00	0.0	34.7	34.9	0.10	617.20

and File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	34.5	34.7	0.10	617.20
2300.0	0.00	0.0	34.3	34.5	0.10	617.20
2310.0	0.00	0.0	34.1	34.3	0.10	617.20
2320.0	0.00	0.0	33.9	34.1	0.10	617.20
2330.0	0.00	0.0	33.7	33.9	0.10	617.20
2340.0	0.00	0.0	33.5	33.7	0.10	617.19
2350.0	0.00	0.0	33.3	33.5	0.10	617.19
2360.0	0.00	0.0	33.2	33.3	0.10	617.19
2370.0	0.00	0.0	33.0	33.2	0.10	617.19
2380.0	0.00	0.0	32.8	33.0	0.10	617.19
2390.0	0.00	0.0	32.6	32.8	0.09	617.19
2400.0	0.00	0.0	32.4	32.6	0.09	617.19
2410.0	0.00	0.0	32.2	32.4	0.09	617.19
2420.0	0.00	0.0	32.0	32.2	0.09	617.19
2430.0	0.00	0.0	31.8	32.0	0.09	617.18
2440.0	0.00	0.0	31.7	31.8	0.09	617.18
2450.0	0.00	0.0	31.5	31.7	0.09	617.18
2460.0	0.00	0.0	31.3	31.5	0.09	617.18
2470.0	0.00	0.0	31.1	31.3	0.09	617.18
2480.0	0.00	0.0	30.9	31.1	0.09	617.18
2490.0	0.00	0.0	30.7	30.9	0.09	617.18
2500.0	0.00	0.0	30.6	30.7	0.09	617.18
2510.0	0.00	0.0	30.4	30.6	0.09	617.18
2520.0	0.00	0.0	30.2	30.4	0.09	617.18
2530.0	0.00	0.0	30.0	30.2	0.09	617.17
2540.0	0.00	0.0	29.9	30.0	0.09	617.17
2550.0	0.00	0.0	29.7	29.9	0.09	617.17
2560.0	0.00	0.0	29.5	29.7	0.09	617.17
2570.0	0.00	0.0	29.4	29.5	0.09	617.17
2580.0	0.00	0.0	29.2	29.4	0.08	617.17
2590.0	0.00	0.0	29.0	29.2	0.08	617.17
2600.0	0.00	0.0	28.9	29.0	0.08	617.17
2610.0	0.00	0.0	28.7	28.9	0.08	617.17
2620.0	0.00	0.0	28.5	28.7	0.08	617.17
2630.0	0.00	0.0	28.4	28.5	0.08	617.16
2640.0	0.00	0.0	28.2	28.4	0.08	617.16
2650.0	0.00	0.0	28.0	28.2	0.08	617.16
2660.0	0.00	0.0	27.9	28.0	0.08	617.16
2670.0	0.00	0.0	27.7	27.9	0.08	617.16
2680.0	0.00	0.0	27.5	27.7	0.08	617.16
2690.0	0.00	0.0	27.4	27.5	0.08	617.16
2700.0	0.00	0.0	27.2	27.4	0.08	617.16
2710.0	0.00	0.0	27.1	27.2	0.08	617.16
2720.0	0.00	0.0	26.9	27.1	0.08	617.16
2730.0	0.00	0.0	26.8	26.9	0.08	617.16
2740.0	0.00	0.0	26.6	26.8	0.08	617.15

and File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	26.5	26.6	0.08	617.15
2760.0	0.00	0.0	26.3	26.5	0.08	617.15
2770.0	0.00	0.0	26.2	26.3	0.08	617.15
2780.0	0.00	0.0	26.0	26.2	0.08	617.15
2790.0	0.00	0.0	25.9	26.0	0.07	617.15
2800.0	0.00	0.0	25.7	25.9	0.07	617.15
2810.0	0.00	0.0	25.6	25.7	0.07	617.15
2820.0	0.00	0.0	25.4	25.6	0.07	617.15
2830.0	0.00	0.0	25.3	25.4	0.07	617.15
2840.0	0.00	0.0	25.1	25.3	0.07	617.15
2850.0	0.00	0.0	25.0	25.1	0.07	617.14
2860.0	0.00	0.0	24.8	25.0	0.07	617.14
2870.0	0.00	0.0	24.7	24.8	0.07	617.14
2880.0	0.00	0.0	24.5	24.7	0.07	617.14
2890.0	0.00	0.0	24.4	24.5	0.07	617.14
2900.0	0.00	0.0	24.3	24.4	0.07	617.14
2910.0	0.00	0.0	24.1	24.3	0.07	617.14
2920.0	0.00	0.0	24.0	24.1	0.07	617.14
2930.0	0.00	0.0	23.8	24.0	0.07	617.14
2940.0	0.00	0.0	23.7	23.8	0.07	617.14
2950.0	0.00	0.0	23.6	23.7	0.07	617.14
2960.0	0.00	0.0	23.4	23.6	0.07	617.14
2970.0	0.00	0.0	23.3	23.4	0.07	617.14
2980.0	0.00	0.0	23.2	23.3	0.07	617.13
2990.0	0.00	0.0	23.0	23.2	0.07	617.13
3000.0	0.00	0.0	22.9	23.0	0.07	617.13

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*****
*
*          BRIARCHASE          *
*    DETENTION BASIN #3      *
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Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Rating Table file: J:\data\0203043\BASIN3 .PND

----INITIAL CONDITIONS----

Elevation = 617.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
617.00	0.0	0	0.0	0.0
617.20	0.1	10,375	34.6	34.7
617.40	0.2	20,877	69.6	69.8
617.60	0.4	31,505	105.0	105.4
617.80	0.6	42,266	140.9	141.5
618.00	0.8	53,157	177.2	178.0
618.20	1.1	64,178	213.9	215.0
618.40	1.4	75,330	251.1	252.5
618.60	1.7	86,611	288.7	290.4
618.80	2.0	98,027	326.8	328.8
619.00	8.0	109,575	365.3	373.3
619.20	18.6	121,256	404.2	422.8
619.40	32.3	133,066	443.6	475.9
619.60	48.5	145,004	483.3	531.8
619.80	66.8	157,076	523.6	590.4
620.00	89.8	169,282	564.3	654.1
620.20	103.3	181,630	605.4	708.7
620.40	115.2	194,129	647.1	762.3
620.60	126.0	206,779	689.3	815.3
620.80	135.9	219,587	732.0	867.9
621.00	145.2	232,550	775.2	920.4

Time increment (t) = 10.0 min.

nd File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	617.00
10.0	61.71	61.7	61.4	61.7	0.18	617.35
20.0	61.71	123.4	183.1	184.8	0.85	618.04
30.0	0.00	61.7	242.1	244.8	1.34	618.36
40.0	0.00	0.0	239.5	242.1	1.32	618.34
50.0	0.00	0.0	236.9	239.5	1.30	618.33
60.0	0.00	0.0	234.3	236.9	1.27	618.32
70.0	0.00	0.0	231.8	234.3	1.25	618.30
80.0	0.00	0.0	229.3	231.8	1.23	618.29
90.0	0.00	0.0	226.9	229.3	1.21	618.28
100.0	0.00	0.0	224.5	226.9	1.20	618.26
110.0	0.00	0.0	222.2	224.5	1.18	618.25
120.0	0.00	0.0	219.9	222.2	1.16	618.24
130.0	0.00	0.0	217.6	219.9	1.14	618.23
140.0	0.00	0.0	215.3	217.6	1.12	618.21
150.0	0.00	0.0	213.1	215.3	1.10	618.20
160.0	0.00	0.0	211.0	213.1	1.08	618.19
170.0	0.00	0.0	208.8	211.0	1.07	618.18
180.0	0.00	0.0	206.7	208.8	1.05	618.17
190.0	0.00	0.0	204.7	206.7	1.03	618.16
200.0	0.00	0.0	202.6	204.7	1.02	618.14
210.0	0.00	0.0	200.6	202.6	1.00	618.13
220.0	0.00	0.0	198.7	200.6	0.98	618.12
230.0	0.00	0.0	196.7	198.7	0.97	618.11
240.0	0.00	0.0	194.8	196.7	0.95	618.10
250.0	0.00	0.0	193.0	194.8	0.94	618.09
260.0	0.00	0.0	191.1	193.0	0.92	618.08
270.0	0.00	0.0	189.3	191.1	0.91	618.07
280.0	0.00	0.0	187.5	189.3	0.89	618.06
290.0	0.00	0.0	185.8	187.5	0.88	618.05
300.0	0.00	0.0	184.0	185.8	0.86	618.04
310.0	0.00	0.0	182.3	184.0	0.85	618.03
320.0	0.00	0.0	180.7	182.3	0.84	618.02
330.0	0.00	0.0	179.0	180.7	0.82	618.01
340.0	0.00	0.0	177.4	179.0	0.81	618.01
350.0	0.00	0.0	175.8	177.4	0.80	618.00
360.0	0.00	0.0	174.2	175.8	0.79	617.99
370.0	0.00	0.0	172.7	174.2	0.78	617.98
380.0	0.00	0.0	171.1	172.7	0.77	617.97
390.0	0.00	0.0	169.6	171.1	0.76	617.96
400.0	0.00	0.0	168.1	169.6	0.75	617.95
410.0	0.00	0.0	166.6	168.1	0.75	617.95
420.0	0.00	0.0	165.1	166.6	0.74	617.94
430.0	0.00	0.0	163.7	165.1	0.73	617.93
440.0	0.00	0.0	162.2	163.7	0.72	617.92

nd File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	160.8	162.2	0.71	617.91
460.0	0.00	0.0	159.4	160.8	0.71	617.91
470.0	0.00	0.0	158.0	159.4	0.70	617.90
480.0	0.00	0.0	156.6	158.0	0.69	617.89
490.0	0.00	0.0	155.3	156.6	0.68	617.88
500.0	0.00	0.0	153.9	155.3	0.68	617.88
510.0	0.00	0.0	152.6	153.9	0.67	617.87
520.0	0.00	0.0	151.2	152.6	0.66	617.86
530.0	0.00	0.0	149.9	151.2	0.65	617.85
540.0	0.00	0.0	148.6	149.9	0.65	617.85
550.0	0.00	0.0	147.4	148.6	0.64	617.84
560.0	0.00	0.0	146.1	147.4	0.63	617.83
570.0	0.00	0.0	144.9	146.1	0.63	617.83
580.0	0.00	0.0	143.6	144.9	0.62	617.82
590.0	0.00	0.0	142.4	143.6	0.61	617.81
600.0	0.00	0.0	141.2	142.4	0.60	617.80
610.0	0.00	0.0	140.0	141.2	0.60	617.80
620.0	0.00	0.0	138.8	140.0	0.59	617.79
630.0	0.00	0.0	137.6	138.8	0.59	617.79
640.0	0.00	0.0	136.5	137.6	0.58	617.78
650.0	0.00	0.0	135.3	136.5	0.57	617.77
660.0	0.00	0.0	134.2	135.3	0.57	617.77
670.0	0.00	0.0	133.1	134.2	0.56	617.76
680.0	0.00	0.0	132.0	133.1	0.55	617.75
690.0	0.00	0.0	130.9	132.0	0.55	617.75
700.0	0.00	0.0	129.8	130.9	0.54	617.74
710.0	0.00	0.0	128.7	129.8	0.54	617.74
720.0	0.00	0.0	127.7	128.7	0.53	617.73
730.0	0.00	0.0	126.6	127.7	0.52	617.72
740.0	0.00	0.0	125.6	126.6	0.52	617.72
750.0	0.00	0.0	124.6	125.6	0.51	617.71
760.0	0.00	0.0	123.6	124.6	0.51	617.71
770.0	0.00	0.0	122.5	123.6	0.50	617.70
780.0	0.00	0.0	121.6	122.5	0.49	617.69
790.0	0.00	0.0	120.6	121.6	0.49	617.69
800.0	0.00	0.0	119.6	120.6	0.48	617.68
810.0	0.00	0.0	118.7	119.6	0.48	617.68
820.0	0.00	0.0	117.7	118.7	0.47	617.67
830.0	0.00	0.0	116.8	117.7	0.47	617.67
840.0	0.00	0.0	115.8	116.8	0.46	617.66
850.0	0.00	0.0	114.9	115.8	0.46	617.66
860.0	0.00	0.0	114.0	114.9	0.45	617.65
870.0	0.00	0.0	113.1	114.0	0.45	617.65
880.0	0.00	0.0	112.2	113.1	0.44	617.64
890.0	0.00	0.0	111.4	112.2	0.44	617.64
900.0	0.00	0.0	110.5	111.4	0.43	617.63

and File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	109.6	110.5	0.43	617.63
920.0	0.00	0.0	108.8	109.6	0.42	617.62
930.0	0.00	0.0	108.0	108.8	0.42	617.62
940.0	0.00	0.0	107.1	108.0	0.41	617.61
950.0	0.00	0.0	106.3	107.1	0.41	617.61
960.0	0.00	0.0	105.5	106.3	0.40	617.60
970.0	0.00	0.0	104.7	105.5	0.40	617.60
980.0	0.00	0.0	103.9	104.7	0.40	617.60
990.0	0.00	0.0	103.1	103.9	0.39	617.59
1000.0	0.00	0.0	102.4	103.1	0.39	617.59
1010.0	0.00	0.0	101.6	102.4	0.38	617.58
1020.0	0.00	0.0	100.8	101.6	0.38	617.58
1030.0	0.00	0.0	100.1	100.8	0.37	617.57
1040.0	0.00	0.0	99.3	100.1	0.37	617.57
1050.0	0.00	0.0	98.6	99.3	0.37	617.57
1060.0	0.00	0.0	97.9	98.6	0.36	617.56
1070.0	0.00	0.0	97.2	97.9	0.36	617.56
1080.0	0.00	0.0	96.5	97.2	0.35	617.55
1090.0	0.00	0.0	95.8	96.5	0.35	617.55
1100.0	0.00	0.0	95.1	95.8	0.35	617.55
1110.0	0.00	0.0	94.4	95.1	0.34	617.54
1120.0	0.00	0.0	93.7	94.4	0.34	617.54
1130.0	0.00	0.0	93.0	93.7	0.33	617.53
1140.0	0.00	0.0	92.4	93.0	0.33	617.53
1150.0	0.00	0.0	91.7	92.4	0.33	617.53
1160.0	0.00	0.0	91.1	91.7	0.32	617.52
1170.0	0.00	0.0	90.4	91.1	0.32	617.52
1180.0	0.00	0.0	89.8	90.4	0.32	617.52
1190.0	0.00	0.0	89.2	89.8	0.31	617.51
1200.0	0.00	0.0	88.6	89.2	0.31	617.51
1210.0	0.00	0.0	88.0	88.6	0.31	617.51
1220.0	0.00	0.0	87.4	88.0	0.30	617.50
1230.0	0.00	0.0	86.8	87.4	0.30	617.50
1240.0	0.00	0.0	86.2	86.8	0.30	617.50
1250.0	0.00	0.0	85.6	86.2	0.29	617.49
1260.0	0.00	0.0	85.0	85.6	0.29	617.49
1270.0	0.00	0.0	84.4	85.0	0.29	617.49
1280.0	0.00	0.0	83.9	84.4	0.28	617.48
1290.0	0.00	0.0	83.3	83.9	0.28	617.48
1300.0	0.00	0.0	82.8	83.3	0.28	617.48
1310.0	0.00	0.0	82.2	82.8	0.27	617.47
1320.0	0.00	0.0	81.7	82.2	0.27	617.47
1330.0	0.00	0.0	81.1	81.7	0.27	617.47
1340.0	0.00	0.0	80.6	81.1	0.26	617.46
1350.0	0.00	0.0	80.1	80.6	0.26	617.46
1360.0	0.00	0.0	79.6	80.1	0.26	617.46

and File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	79.1	79.6	0.25	617.45
1380.0	0.00	0.0	78.6	79.1	0.25	617.45
1390.0	0.00	0.0	78.1	78.6	0.25	617.45
1400.0	0.00	0.0	77.6	78.1	0.25	617.45
1410.0	0.00	0.0	77.1	77.6	0.24	617.44
1420.0	0.00	0.0	76.6	77.1	0.24	617.44
1430.0	0.00	0.0	76.1	76.6	0.24	617.44
1440.0	0.00	0.0	75.7	76.1	0.24	617.44
1450.0	0.00	0.0	75.2	75.7	0.23	617.43
1460.0	0.00	0.0	74.7	75.2	0.23	617.43
1470.0	0.00	0.0	74.3	74.7	0.23	617.43
1480.0	0.00	0.0	73.8	74.3	0.23	617.43
1490.0	0.00	0.0	73.4	73.8	0.22	617.42
1500.0	0.00	0.0	72.9	73.4	0.22	617.42
1510.0	0.00	0.0	72.5	72.9	0.22	617.42
1520.0	0.00	0.0	72.1	72.5	0.22	617.42
1530.0	0.00	0.0	71.6	72.1	0.21	617.41
1540.0	0.00	0.0	71.2	71.6	0.21	617.41
1550.0	0.00	0.0	70.8	71.2	0.21	617.41
1560.0	0.00	0.0	70.4	70.8	0.21	617.41
1570.0	0.00	0.0	70.0	70.4	0.20	617.40
1580.0	0.00	0.0	69.6	70.0	0.20	617.40
1590.0	0.00	0.0	69.2	69.6	0.20	617.40
1600.0	0.00	0.0	68.8	69.2	0.20	617.40
1610.0	0.00	0.0	68.4	68.8	0.20	617.39
1620.0	0.00	0.0	68.0	68.4	0.20	617.39
1630.0	0.00	0.0	67.6	68.0	0.19	617.39
1640.0	0.00	0.0	67.2	67.6	0.19	617.39
1650.0	0.00	0.0	66.8	67.2	0.19	617.39
1660.0	0.00	0.0	66.5	66.8	0.19	617.38
1670.0	0.00	0.0	66.1	66.5	0.19	617.38
1680.0	0.00	0.0	65.7	66.1	0.19	617.38
1690.0	0.00	0.0	65.3	65.7	0.19	617.38
1700.0	0.00	0.0	64.9	65.3	0.19	617.37
1710.0	0.00	0.0	64.6	64.9	0.19	617.37
1720.0	0.00	0.0	64.2	64.6	0.19	617.37
1730.0	0.00	0.0	63.8	64.2	0.18	617.37
1740.0	0.00	0.0	63.5	63.8	0.18	617.37
1750.0	0.00	0.0	63.1	63.5	0.18	617.36
1760.0	0.00	0.0	62.7	63.1	0.18	617.36
1770.0	0.00	0.0	62.4	62.7	0.18	617.36
1780.0	0.00	0.0	62.0	62.4	0.18	617.36
1790.0	0.00	0.0	61.7	62.0	0.18	617.36
1800.0	0.00	0.0	61.3	61.7	0.18	617.35
1810.0	0.00	0.0	61.0	61.3	0.18	617.35
1820.0	0.00	0.0	60.6	61.0	0.17	617.35

Sound File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	60.3	60.6	0.17	617.35
1840.0	0.00	0.0	59.9	60.3	0.17	617.35
1850.0	0.00	0.0	59.6	59.9	0.17	617.34
1860.0	0.00	0.0	59.2	59.6	0.17	617.34
1870.0	0.00	0.0	58.9	59.2	0.17	617.34
1880.0	0.00	0.0	58.6	58.9	0.17	617.34
1890.0	0.00	0.0	58.2	58.6	0.17	617.34
1900.0	0.00	0.0	57.9	58.2	0.17	617.33
1910.0	0.00	0.0	57.6	57.9	0.17	617.33
1920.0	0.00	0.0	57.2	57.6	0.17	617.33
1930.0	0.00	0.0	56.9	57.2	0.16	617.33
1940.0	0.00	0.0	56.6	56.9	0.16	617.33
1950.0	0.00	0.0	56.2	56.6	0.16	617.32
1960.0	0.00	0.0	55.9	56.2	0.16	617.32
1970.0	0.00	0.0	55.6	55.9	0.16	617.32
1980.0	0.00	0.0	55.3	55.6	0.16	617.32
1990.0	0.00	0.0	55.0	55.3	0.16	617.32
2000.0	0.00	0.0	54.7	55.0	0.16	617.32
2010.0	0.00	0.0	54.3	54.7	0.16	617.31
2020.0	0.00	0.0	54.0	54.3	0.16	617.31
2030.0	0.00	0.0	53.7	54.0	0.16	617.31
2040.0	0.00	0.0	53.4	53.7	0.15	617.31
2050.0	0.00	0.0	53.1	53.4	0.15	617.31
2060.0	0.00	0.0	52.8	53.1	0.15	617.30
2070.0	0.00	0.0	52.5	52.8	0.15	617.30
2080.0	0.00	0.0	52.2	52.5	0.15	617.30
2090.0	0.00	0.0	51.9	52.2	0.15	617.30
2100.0	0.00	0.0	51.6	51.9	0.15	617.30
2110.0	0.00	0.0	51.3	51.6	0.15	617.30
2120.0	0.00	0.0	51.0	51.3	0.15	617.29
2130.0	0.00	0.0	50.7	51.0	0.15	617.29
2140.0	0.00	0.0	50.4	50.7	0.15	617.29
2150.0	0.00	0.0	50.1	50.4	0.14	617.29
2160.0	0.00	0.0	49.8	50.1	0.14	617.29
2170.0	0.00	0.0	49.6	49.8	0.14	617.29
2180.0	0.00	0.0	49.3	49.6	0.14	617.28
2190.0	0.00	0.0	49.0	49.3	0.14	617.28
2200.0	0.00	0.0	48.7	49.0	0.14	617.28
2210.0	0.00	0.0	48.4	48.7	0.14	617.28
2220.0	0.00	0.0	48.1	48.4	0.14	617.28
2230.0	0.00	0.0	47.9	48.1	0.14	617.28
2240.0	0.00	0.0	47.6	47.9	0.14	617.28
2250.0	0.00	0.0	47.3	47.6	0.14	617.27
2260.0	0.00	0.0	47.0	47.3	0.14	617.27
2270.0	0.00	0.0	46.8	47.0	0.14	617.27
2280.0	0.00	0.0	46.5	46.8	0.13	617.27

Sound File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	46.2	46.5	0.13	617.27
2300.0	0.00	0.0	46.0	46.2	0.13	617.27
2310.0	0.00	0.0	45.7	46.0	0.13	617.26
2320.0	0.00	0.0	45.5	45.7	0.13	617.26
2330.0	0.00	0.0	45.2	45.5	0.13	617.26
2340.0	0.00	0.0	44.9	45.2	0.13	617.26
2350.0	0.00	0.0	44.7	44.9	0.13	617.26
2360.0	0.00	0.0	44.4	44.7	0.13	617.26
2370.0	0.00	0.0	44.2	44.4	0.13	617.26
2380.0	0.00	0.0	43.9	44.2	0.13	617.25
2390.0	0.00	0.0	43.7	43.9	0.13	617.25
2400.0	0.00	0.0	43.4	43.7	0.13	617.25
2410.0	0.00	0.0	43.2	43.4	0.12	617.25
2420.0	0.00	0.0	42.9	43.2	0.12	617.25
2430.0	0.00	0.0	42.7	42.9	0.12	617.25
2440.0	0.00	0.0	42.4	42.7	0.12	617.25
2450.0	0.00	0.0	42.2	42.4	0.12	617.24
2460.0	0.00	0.0	41.9	42.2	0.12	617.24
2470.0	0.00	0.0	41.7	41.9	0.12	617.24
2480.0	0.00	0.0	41.4	41.7	0.12	617.24
2490.0	0.00	0.0	41.2	41.4	0.12	617.24
2500.0	0.00	0.0	41.0	41.2	0.12	617.24
2510.0	0.00	0.0	40.7	41.0	0.12	617.24
2520.0	0.00	0.0	40.5	40.7	0.12	617.23
2530.0	0.00	0.0	40.3	40.5	0.12	617.23
2540.0	0.00	0.0	40.0	40.3	0.12	617.23
2550.0	0.00	0.0	39.8	40.0	0.12	617.23
2560.0	0.00	0.0	39.6	39.8	0.11	617.23
2570.0	0.00	0.0	39.3	39.6	0.11	617.23
2580.0	0.00	0.0	39.1	39.3	0.11	617.23
2590.0	0.00	0.0	38.9	39.1	0.11	617.23
2600.0	0.00	0.0	38.7	38.9	0.11	617.22
2610.0	0.00	0.0	38.4	38.7	0.11	617.22
2620.0	0.00	0.0	38.2	38.4	0.11	617.22
2630.0	0.00	0.0	38.0	38.2	0.11	617.22
2640.0	0.00	0.0	37.8	38.0	0.11	617.22
2650.0	0.00	0.0	37.6	37.8	0.11	617.22
2660.0	0.00	0.0	37.4	37.6	0.11	617.22
2670.0	0.00	0.0	37.1	37.4	0.11	617.22
2680.0	0.00	0.0	36.9	37.1	0.11	617.21
2690.0	0.00	0.0	36.7	36.9	0.11	617.21
2700.0	0.00	0.0	36.5	36.7	0.11	617.21
2710.0	0.00	0.0	36.3	36.5	0.11	617.21
2720.0	0.00	0.0	36.1	36.3	0.10	617.21
2730.0	0.00	0.0	35.9	36.1	0.10	617.21
2740.0	0.00	0.0	35.7	35.9	0.10	617.21

Pond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	35.5	35.7	0.10	617.21
2760.0	0.00	0.0	35.3	35.5	0.10	617.20
2770.0	0.00	0.0	35.1	35.3	0.10	617.20
2780.0	0.00	0.0	34.8	35.1	0.10	617.20
2790.0	0.00	0.0	34.6	34.8	0.10	617.20
2800.0	0.00	0.0	34.4	34.6	0.10	617.20
2810.0	0.00	0.0	34.2	34.4	0.10	617.20
2820.0	0.00	0.0	34.1	34.2	0.10	617.20
2830.0	0.00	0.0	33.9	34.1	0.10	617.20
2840.0	0.00	0.0	33.7	33.9	0.10	617.20
2850.0	0.00	0.0	33.5	33.7	0.10	617.19
2860.0	0.00	0.0	33.3	33.5	0.10	617.19
2870.0	0.00	0.0	33.1	33.3	0.10	617.19
2880.0	0.00	0.0	32.9	33.1	0.10	617.19
2890.0	0.00	0.0	32.7	32.9	0.09	617.19
2900.0	0.00	0.0	32.5	32.7	0.09	617.19
2910.0	0.00	0.0	32.3	32.5	0.09	617.19
2920.0	0.00	0.0	32.1	32.3	0.09	617.19
2930.0	0.00	0.0	32.0	32.1	0.09	617.19
2940.0	0.00	0.0	31.8	32.0	0.09	617.18
2950.0	0.00	0.0	31.6	31.8	0.09	617.18
2960.0	0.00	0.0	31.4	31.6	0.09	617.18
2970.0	0.00	0.0	31.2	31.4	0.09	617.18
2980.0	0.00	0.0	31.0	31.2	0.09	617.18
2990.0	0.00	0.0	30.9	31.0	0.09	617.18
3000.0	0.00	0.0	30.7	30.9	0.09	617.18

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN3 .PND
Inflow Hydrograph: J:\data\0203043\15B3 .HYD
Outflow Hydrograph: J:\data\0203043\B315 .HYD

Starting Pond W.S. Elevation = 617.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 61.71 cfs
Peak Outflow = 1.34 cfs
Peak Elevation = 618.36 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 73,031 cu-ft

Total Storage in Pond = 73,031 cu-ft

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*****
*
*          BRIARCHASE          *
*    DETENTION BASIN #3      *
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Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Rating Table file: J:\data\0203043\BASIN3 .PND

----INITIAL CONDITIONS----
 Elevation = 617.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
617.00	0.0	0	0.0	0.0
617.20	0.1	10,375	34.6	34.7
617.40	0.2	20,877	69.6	69.8
617.60	0.4	31,505	105.0	105.4
617.80	0.6	42,266	140.9	141.5
618.00	0.8	53,157	177.2	178.0
618.20	1.1	64,178	213.9	215.0
618.40	1.4	75,330	251.1	252.5
618.60	1.7	86,611	288.7	290.4
618.80	2.0	98,027	326.8	328.8
619.00	8.0	109,575	365.3	373.3
619.20	18.6	121,256	404.2	422.8
619.40	32.3	133,066	443.6	475.9
619.60	48.5	145,004	483.3	531.8
619.80	66.8	157,076	523.6	590.4
620.00	89.8	169,282	564.3	654.1
620.20	103.3	181,630	605.4	708.7
620.40	115.2	194,129	647.1	762.3
620.60	126.0	206,779	689.3	815.3
620.80	135.9	219,587	732.0	867.9
621.00	145.2	232,550	775.2	920.4

Time increment (t) = 10.0 min.

Pond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	617.00
10.0	76.11	76.1	75.6	76.1	0.24	617.44
20.0	76.11	152.2	225.5	227.9	1.20	618.27
30.0	0.00	76.1	298.0	301.6	1.79	618.66
40.0	0.00	0.0	294.5	298.0	1.76	618.64
50.0	0.00	0.0	291.0	294.5	1.73	618.62
60.0	0.00	0.0	287.6	291.0	1.70	618.60
70.0	0.00	0.0	284.2	287.6	1.68	618.59
80.0	0.00	0.0	280.9	284.2	1.65	618.57
90.0	0.00	0.0	277.7	280.9	1.63	618.55
100.0	0.00	0.0	274.5	277.7	1.60	618.53
110.0	0.00	0.0	271.3	274.5	1.57	618.52
120.0	0.00	0.0	268.2	271.3	1.55	618.50
130.0	0.00	0.0	265.2	268.2	1.52	618.48
140.0	0.00	0.0	262.2	265.2	1.50	618.47
150.0	0.00	0.0	259.2	262.2	1.48	618.45
160.0	0.00	0.0	256.3	259.2	1.45	618.44
170.0	0.00	0.0	253.5	256.3	1.43	618.42
180.0	0.00	0.0	250.7	253.5	1.41	618.41
190.0	0.00	0.0	247.9	250.7	1.39	618.39
200.0	0.00	0.0	245.2	247.9	1.36	618.38
210.0	0.00	0.0	242.5	245.2	1.34	618.36
220.0	0.00	0.0	239.8	242.5	1.32	618.35
230.0	0.00	0.0	237.2	239.8	1.30	618.33
240.0	0.00	0.0	234.7	237.2	1.28	618.32
250.0	0.00	0.0	232.2	234.7	1.26	618.30
260.0	0.00	0.0	229.7	232.2	1.24	618.29
270.0	0.00	0.0	227.3	229.7	1.22	618.28
280.0	0.00	0.0	224.9	227.3	1.20	618.27
290.0	0.00	0.0	222.5	224.9	1.18	618.25
300.0	0.00	0.0	220.2	222.5	1.16	618.24
310.0	0.00	0.0	217.9	220.2	1.14	618.23
320.0	0.00	0.0	215.7	217.9	1.12	618.22
330.0	0.00	0.0	213.4	215.7	1.11	618.20
340.0	0.00	0.0	211.3	213.4	1.09	618.19
350.0	0.00	0.0	209.1	211.3	1.07	618.18
360.0	0.00	0.0	207.0	209.1	1.05	618.17
370.0	0.00	0.0	205.0	207.0	1.04	618.16
380.0	0.00	0.0	202.9	205.0	1.02	618.15
390.0	0.00	0.0	200.9	202.9	1.00	618.13
400.0	0.00	0.0	198.9	200.9	0.99	618.12
410.0	0.00	0.0	197.0	198.9	0.97	618.11
420.0	0.00	0.0	195.1	197.0	0.95	618.10
430.0	0.00	0.0	193.2	195.1	0.94	618.09
440.0	0.00	0.0	191.4	193.2	0.92	618.08

Pond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	189.6	191.4	0.91	618.07
460.0	0.00	0.0	187.8	189.6	0.89	618.06
470.0	0.00	0.0	186.0	187.8	0.88	618.05
480.0	0.00	0.0	184.3	186.0	0.87	618.04
490.0	0.00	0.0	182.6	184.3	0.85	618.03
500.0	0.00	0.0	180.9	182.6	0.84	618.02
510.0	0.00	0.0	179.3	180.9	0.82	618.02
520.0	0.00	0.0	177.6	179.3	0.81	618.01
530.0	0.00	0.0	176.0	177.6	0.80	618.00
540.0	0.00	0.0	174.5	176.0	0.79	617.99
550.0	0.00	0.0	172.9	174.5	0.78	617.98
560.0	0.00	0.0	171.4	172.9	0.77	617.97
570.0	0.00	0.0	169.8	171.4	0.76	617.96
580.0	0.00	0.0	168.3	169.8	0.76	617.96
590.0	0.00	0.0	166.8	168.3	0.75	617.95
600.0	0.00	0.0	165.3	166.8	0.74	617.94
610.0	0.00	0.0	163.9	165.3	0.73	617.93
620.0	0.00	0.0	162.4	163.9	0.72	617.92
630.0	0.00	0.0	161.0	162.4	0.71	617.91
640.0	0.00	0.0	159.6	161.0	0.71	617.91
650.0	0.00	0.0	158.2	159.6	0.70	617.90
660.0	0.00	0.0	156.8	158.2	0.69	617.89
670.0	0.00	0.0	155.4	156.8	0.68	617.88
680.0	0.00	0.0	154.1	155.4	0.68	617.88
690.0	0.00	0.0	152.8	154.1	0.67	617.87
700.0	0.00	0.0	151.4	152.8	0.66	617.86
710.0	0.00	0.0	150.1	151.4	0.65	617.85
720.0	0.00	0.0	148.8	150.1	0.65	617.85
730.0	0.00	0.0	147.6	148.8	0.64	617.84
740.0	0.00	0.0	146.3	147.6	0.63	617.83
750.0	0.00	0.0	145.0	146.3	0.63	617.83
760.0	0.00	0.0	143.8	145.0	0.62	617.82
770.0	0.00	0.0	142.6	143.8	0.61	617.81
780.0	0.00	0.0	141.4	142.6	0.61	617.81
790.0	0.00	0.0	140.2	141.4	0.60	617.80
800.0	0.00	0.0	139.0	140.2	0.59	617.79
810.0	0.00	0.0	137.8	139.0	0.59	617.79
820.0	0.00	0.0	136.6	137.8	0.58	617.78
830.0	0.00	0.0	135.5	136.6	0.57	617.77
840.0	0.00	0.0	134.4	135.5	0.57	617.77
850.0	0.00	0.0	133.2	134.4	0.56	617.76
860.0	0.00	0.0	132.1	133.2	0.55	617.75
870.0	0.00	0.0	131.0	132.1	0.55	617.75
880.0	0.00	0.0	130.0	131.0	0.54	617.74
890.0	0.00	0.0	128.9	130.0	0.54	617.74
900.0	0.00	0.0	127.8	128.9	0.53	617.73

Pond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	126.8	127.8	0.52	617.72
920.0	0.00	0.0	125.7	126.8	0.52	617.72
930.0	0.00	0.0	124.7	125.7	0.51	617.71
940.0	0.00	0.0	123.7	124.7	0.51	617.71
950.0	0.00	0.0	122.7	123.7	0.50	617.70
960.0	0.00	0.0	121.7	122.7	0.50	617.70
970.0	0.00	0.0	120.7	121.7	0.49	617.69
980.0	0.00	0.0	119.7	120.7	0.48	617.68
990.0	0.00	0.0	118.8	119.7	0.48	617.68
1000.0	0.00	0.0	117.8	118.8	0.47	617.67
1010.0	0.00	0.0	116.9	117.8	0.47	617.67
1020.0	0.00	0.0	116.0	116.9	0.46	617.66
1030.0	0.00	0.0	115.1	116.0	0.46	617.66
1040.0	0.00	0.0	114.2	115.1	0.45	617.65
1050.0	0.00	0.0	113.3	114.2	0.45	617.65
1060.0	0.00	0.0	112.4	113.3	0.44	617.64
1070.0	0.00	0.0	111.5	112.4	0.44	617.64
1080.0	0.00	0.0	110.6	111.5	0.43	617.63
1090.0	0.00	0.0	109.8	110.6	0.43	617.63
1100.0	0.00	0.0	108.9	109.8	0.42	617.62
1110.0	0.00	0.0	108.1	108.9	0.42	617.62
1120.0	0.00	0.0	107.3	108.1	0.41	617.61
1130.0	0.00	0.0	106.4	107.3	0.41	617.61
1140.0	0.00	0.0	105.6	106.4	0.41	617.61
1150.0	0.00	0.0	104.8	105.6	0.40	617.60
1160.0	0.00	0.0	104.0	104.8	0.40	617.60
1170.0	0.00	0.0	103.2	104.0	0.39	617.59
1180.0	0.00	0.0	102.5	103.2	0.39	617.59
1190.0	0.00	0.0	101.7	102.5	0.38	617.58
1200.0	0.00	0.0	100.9	101.7	0.38	617.58
1210.0	0.00	0.0	100.2	100.9	0.37	617.57
1220.0	0.00	0.0	99.4	100.2	0.37	617.57
1230.0	0.00	0.0	98.7	99.4	0.37	617.57
1240.0	0.00	0.0	98.0	98.7	0.36	617.56
1250.0	0.00	0.0	97.3	98.0	0.36	617.56
1260.0	0.00	0.0	96.6	97.3	0.35	617.55
1270.0	0.00	0.0	95.9	96.6	0.35	617.55
1280.0	0.00	0.0	95.2	95.9	0.35	617.55
1290.0	0.00	0.0	94.5	95.2	0.34	617.54
1300.0	0.00	0.0	93.8	94.5	0.34	617.54
1310.0	0.00	0.0	93.1	93.8	0.33	617.53
1320.0	0.00	0.0	92.5	93.1	0.33	617.53
1330.0	0.00	0.0	91.8	92.5	0.33	617.53
1340.0	0.00	0.0	91.2	91.8	0.32	617.52
1350.0	0.00	0.0	90.5	91.2	0.32	617.52
1360.0	0.00	0.0	89.9	90.5	0.32	617.52

Pond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	89.3	89.9	0.31	617.51
1380.0	0.00	0.0	88.7	89.3	0.31	617.51
1390.0	0.00	0.0	88.0	88.7	0.31	617.51
1400.0	0.00	0.0	87.4	88.0	0.30	617.50
1410.0	0.00	0.0	86.8	87.4	0.30	617.50
1420.0	0.00	0.0	86.3	86.8	0.30	617.50
1430.0	0.00	0.0	85.7	86.3	0.29	617.49
1440.0	0.00	0.0	85.1	85.7	0.29	617.49
1450.0	0.00	0.0	84.5	85.1	0.29	617.49
1460.0	0.00	0.0	84.0	84.5	0.28	617.48
1470.0	0.00	0.0	83.4	84.0	0.28	617.48
1480.0	0.00	0.0	82.8	83.4	0.28	617.48
1490.0	0.00	0.0	82.3	82.8	0.27	617.47
1500.0	0.00	0.0	81.8	82.3	0.27	617.47
1510.0	0.00	0.0	81.2	81.8	0.27	617.47
1520.0	0.00	0.0	80.7	81.2	0.26	617.46
1530.0	0.00	0.0	80.2	80.7	0.26	617.46
1540.0	0.00	0.0	79.7	80.2	0.26	617.46
1550.0	0.00	0.0	79.1	79.7	0.26	617.46
1560.0	0.00	0.0	78.6	79.1	0.25	617.45
1570.0	0.00	0.0	78.1	78.6	0.25	617.45
1580.0	0.00	0.0	77.6	78.1	0.25	617.45
1590.0	0.00	0.0	77.2	77.6	0.24	617.44
1600.0	0.00	0.0	76.7	77.2	0.24	617.44
1610.0	0.00	0.0	76.2	76.7	0.24	617.44
1620.0	0.00	0.0	75.7	76.2	0.24	617.44
1630.0	0.00	0.0	75.3	75.7	0.23	617.43
1640.0	0.00	0.0	74.8	75.3	0.23	617.43
1650.0	0.00	0.0	74.3	74.8	0.23	617.43
1660.0	0.00	0.0	73.9	74.3	0.23	617.43
1670.0	0.00	0.0	73.4	73.9	0.22	617.42
1680.0	0.00	0.0	73.0	73.4	0.22	617.42
1690.0	0.00	0.0	72.6	73.0	0.22	617.42
1700.0	0.00	0.0	72.1	72.6	0.22	617.42
1710.0	0.00	0.0	71.7	72.1	0.21	617.41
1720.0	0.00	0.0	71.3	71.7	0.21	617.41
1730.0	0.00	0.0	70.9	71.3	0.21	617.41
1740.0	0.00	0.0	70.5	70.9	0.21	617.41
1750.0	0.00	0.0	70.0	70.5	0.20	617.40
1760.0	0.00	0.0	69.6	70.0	0.20	617.40
1770.0	0.00	0.0	69.2	69.6	0.20	617.40
1780.0	0.00	0.0	68.8	69.2	0.20	617.40
1790.0	0.00	0.0	68.5	68.8	0.20	617.39
1800.0	0.00	0.0	68.1	68.5	0.20	617.39
1810.0	0.00	0.0	67.7	68.1	0.20	617.39
1820.0	0.00	0.0	67.3	67.7	0.19	617.39

Pond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	66.9	67.3	0.19	617.39
1840.0	0.00	0.0	66.5	66.9	0.19	617.38
1850.0	0.00	0.0	66.1	66.5	0.19	617.38
1860.0	0.00	0.0	65.8	66.1	0.19	617.38
1870.0	0.00	0.0	65.4	65.8	0.19	617.38
1880.0	0.00	0.0	65.0	65.4	0.19	617.37
1890.0	0.00	0.0	64.6	65.0	0.19	617.37
1900.0	0.00	0.0	64.3	64.6	0.19	617.37
1910.0	0.00	0.0	63.9	64.3	0.18	617.37
1920.0	0.00	0.0	63.5	63.9	0.18	617.37
1930.0	0.00	0.0	63.2	63.5	0.18	617.36
1940.0	0.00	0.0	62.8	63.2	0.18	617.36
1950.0	0.00	0.0	62.4	62.8	0.18	617.36
1960.0	0.00	0.0	62.1	62.4	0.18	617.36
1970.0	0.00	0.0	61.7	62.1	0.18	617.36
1980.0	0.00	0.0	61.4	61.7	0.18	617.35
1990.0	0.00	0.0	61.0	61.4	0.18	617.35
2000.0	0.00	0.0	60.7	61.0	0.18	617.35
2010.0	0.00	0.0	60.3	60.7	0.17	617.35
2020.0	0.00	0.0	60.0	60.3	0.17	617.35
2030.0	0.00	0.0	59.6	60.0	0.17	617.34
2040.0	0.00	0.0	59.3	59.6	0.17	617.34
2050.0	0.00	0.0	58.9	59.3	0.17	617.34
2060.0	0.00	0.0	58.6	58.9	0.17	617.34
2070.0	0.00	0.0	58.3	58.6	0.17	617.34
2080.0	0.00	0.0	57.9	58.3	0.17	617.33
2090.0	0.00	0.0	57.6	57.9	0.17	617.33
2100.0	0.00	0.0	57.3	57.6	0.17	617.33
2110.0	0.00	0.0	56.9	57.3	0.16	617.33
2120.0	0.00	0.0	56.6	56.9	0.16	617.33
2130.0	0.00	0.0	56.3	56.6	0.16	617.32
2140.0	0.00	0.0	56.0	56.3	0.16	617.32
2150.0	0.00	0.0	55.7	56.0	0.16	617.32
2160.0	0.00	0.0	55.3	55.7	0.16	617.32
2170.0	0.00	0.0	55.0	55.3	0.16	617.32
2180.0	0.00	0.0	54.7	55.0	0.16	617.32
2190.0	0.00	0.0	54.4	54.7	0.16	617.31
2200.0	0.00	0.0	54.1	54.4	0.16	617.31
2210.0	0.00	0.0	53.8	54.1	0.16	617.31
2220.0	0.00	0.0	53.5	53.8	0.15	617.31
2230.0	0.00	0.0	53.1	53.5	0.15	617.31
2240.0	0.00	0.0	52.8	53.1	0.15	617.31
2250.0	0.00	0.0	52.5	52.8	0.15	617.30
2260.0	0.00	0.0	52.2	52.5	0.15	617.30
2270.0	0.00	0.0	51.9	52.2	0.15	617.30
2280.0	0.00	0.0	51.6	51.9	0.15	617.30

Pond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	51.3	51.6	0.15	617.30
2300.0	0.00	0.0	51.0	51.3	0.15	617.29
2310.0	0.00	0.0	50.8	51.0	0.15	617.29
2320.0	0.00	0.0	50.5	50.8	0.15	617.29
2330.0	0.00	0.0	50.2	50.5	0.14	617.29
2340.0	0.00	0.0	49.9	50.2	0.14	617.29
2350.0	0.00	0.0	49.6	49.9	0.14	617.29
2360.0	0.00	0.0	49.3	49.6	0.14	617.28
2370.0	0.00	0.0	49.0	49.3	0.14	617.28
2380.0	0.00	0.0	48.7	49.0	0.14	617.28
2390.0	0.00	0.0	48.5	48.7	0.14	617.28
2400.0	0.00	0.0	48.2	48.5	0.14	617.28
2410.0	0.00	0.0	47.9	48.2	0.14	617.28
2420.0	0.00	0.0	47.6	47.9	0.14	617.28
2430.0	0.00	0.0	47.4	47.6	0.14	617.27
2440.0	0.00	0.0	47.1	47.4	0.14	617.27
2450.0	0.00	0.0	46.8	47.1	0.14	617.27
2460.0	0.00	0.0	46.5	46.8	0.13	617.27
2470.0	0.00	0.0	46.3	46.5	0.13	617.27
2480.0	0.00	0.0	46.0	46.3	0.13	617.27
2490.0	0.00	0.0	45.8	46.0	0.13	617.26
2500.0	0.00	0.0	45.5	45.8	0.13	617.26
2510.0	0.00	0.0	45.2	45.5	0.13	617.26
2520.0	0.00	0.0	45.0	45.2	0.13	617.26
2530.0	0.00	0.0	44.7	45.0	0.13	617.26
2540.0	0.00	0.0	44.5	44.7	0.13	617.26
2550.0	0.00	0.0	44.2	44.5	0.13	617.26
2560.0	0.00	0.0	43.9	44.2	0.13	617.25
2570.0	0.00	0.0	43.7	43.9	0.13	617.25
2580.0	0.00	0.0	43.4	43.7	0.13	617.25
2590.0	0.00	0.0	43.2	43.4	0.12	617.25
2600.0	0.00	0.0	42.9	43.2	0.12	617.25
2610.0	0.00	0.0	42.7	42.9	0.12	617.25
2620.0	0.00	0.0	42.4	42.7	0.12	617.25
2630.0	0.00	0.0	42.2	42.4	0.12	617.24
2640.0	0.00	0.0	42.0	42.2	0.12	617.24
2650.0	0.00	0.0	41.7	42.0	0.12	617.24
2660.0	0.00	0.0	41.5	41.7	0.12	617.24
2670.0	0.00	0.0	41.2	41.5	0.12	617.24
2680.0	0.00	0.0	41.0	41.2	0.12	617.24
2690.0	0.00	0.0	40.8	41.0	0.12	617.24
2700.0	0.00	0.0	40.5	40.8	0.12	617.23
2710.0	0.00	0.0	40.3	40.5	0.12	617.23
2720.0	0.00	0.0	40.1	40.3	0.12	617.23
2730.0	0.00	0.0	39.8	40.1	0.12	617.23
2740.0	0.00	0.0	39.6	39.8	0.11	617.23

Pond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	39.4	39.6	0.11	617.23
2760.0	0.00	0.0	39.1	39.4	0.11	617.23
2770.0	0.00	0.0	38.9	39.1	0.11	617.23
2780.0	0.00	0.0	38.7	38.9	0.11	617.22
2790.0	0.00	0.0	38.5	38.7	0.11	617.22
2800.0	0.00	0.0	38.3	38.5	0.11	617.22
2810.0	0.00	0.0	38.0	38.3	0.11	617.22
2820.0	0.00	0.0	37.8	38.0	0.11	617.22
2830.0	0.00	0.0	37.6	37.8	0.11	617.22
2840.0	0.00	0.0	37.4	37.6	0.11	617.22
2850.0	0.00	0.0	37.2	37.4	0.11	617.22
2860.0	0.00	0.0	37.0	37.2	0.11	617.21
2870.0	0.00	0.0	36.7	37.0	0.11	617.21
2880.0	0.00	0.0	36.5	36.7	0.11	617.21
2890.0	0.00	0.0	36.3	36.5	0.11	617.21
2900.0	0.00	0.0	36.1	36.3	0.10	617.21
2910.0	0.00	0.0	35.9	36.1	0.10	617.21
2920.0	0.00	0.0	35.7	35.9	0.10	617.21
2930.0	0.00	0.0	35.5	35.7	0.10	617.21
2940.0	0.00	0.0	35.3	35.5	0.10	617.20
2950.0	0.00	0.0	35.1	35.3	0.10	617.20
2960.0	0.00	0.0	34.9	35.1	0.10	617.20
2970.0	0.00	0.0	34.7	34.9	0.10	617.20
2980.0	0.00	0.0	34.5	34.7	0.10	617.20
2990.0	0.00	0.0	34.3	34.5	0.10	617.20
3000.0	0.00	0.0	34.1	34.3	0.10	617.20

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN3 .PND
Inflow Hydrograph: J:\data\0203043\25B3 .HYD
Outflow Hydrograph: J:\data\0203043\B325 .HYD

Starting Pond W.S. Elevation = 617.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 76.11 cfs
Peak Outflow = 1.79 cfs
Peak Elevation = 618.66 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 89,933 cu-ft

Total Storage in Pond = 89,933 cu-ft

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*****
*
*          BRIARCHASE          *
*    DETENTION BASIN #3      *
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Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Rating Table file: J:\data\0203043\BASIN3 .PND

----INITIAL CONDITIONS----

Elevation = 617.00 ft
 Outflow = 0.00 cfs
 Storage = 0 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
617.00	0.0	0	0.0	0.0
617.20	0.1	10,375	34.6	34.7
617.40	0.2	20,877	69.6	69.8
617.60	0.4	31,505	105.0	105.4
617.80	0.6	42,266	140.9	141.5
618.00	0.8	53,157	177.2	178.0
618.20	1.1	64,178	213.9	215.0
618.40	1.4	75,330	251.1	252.5
618.60	1.7	86,611	288.7	290.4
618.80	2.0	98,027	326.8	328.8
619.00	8.0	109,575	365.3	373.3
619.20	18.6	121,256	404.2	422.8
619.40	32.3	133,066	443.6	475.9
619.60	48.5	145,004	483.3	531.8
619.80	66.8	157,076	523.6	590.4
620.00	89.8	169,282	564.3	654.1
620.20	103.3	181,630	605.4	708.7
620.40	115.2	194,129	647.1	762.3
620.60	126.0	206,779	689.3	815.3
620.80	135.9	219,587	732.0	867.9
621.00	145.2	232,550	775.2	920.4

Time increment (t) = 10.0 min.

Pond File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	0.0	0.0	0.00	617.00
10.0	97.68	97.7	97.0	97.7	0.36	617.56
20.0	97.68	195.4	288.9	292.3	1.72	618.61
30.0	0.00	97.7	364.9	386.6	10.85	619.05
40.0	0.00	0.0	351.1	364.9	6.87	618.96
50.0	0.00	0.0	341.1	351.1	5.02	618.90
60.0	0.00	0.0	333.8	341.1	3.66	618.86
70.0	0.00	0.0	328.4	333.8	2.68	618.82
80.0	0.00	0.0	324.4	328.4	2.00	618.80
90.0	0.00	0.0	320.5	324.4	1.97	618.78
100.0	0.00	0.0	316.6	320.5	1.94	618.76
110.0	0.00	0.0	312.8	316.6	1.91	618.74
120.0	0.00	0.0	309.1	312.8	1.88	618.72
130.0	0.00	0.0	305.4	309.1	1.85	618.70
140.0	0.00	0.0	301.7	305.4	1.82	618.68
150.0	0.00	0.0	298.2	301.7	1.79	618.66
160.0	0.00	0.0	294.6	298.2	1.76	618.64
170.0	0.00	0.0	291.2	294.6	1.73	618.62
180.0	0.00	0.0	287.8	291.2	1.71	618.60
190.0	0.00	0.0	284.4	287.8	1.68	618.59
200.0	0.00	0.0	281.1	284.4	1.65	618.57
210.0	0.00	0.0	277.8	281.1	1.63	618.55
220.0	0.00	0.0	274.6	277.8	1.60	618.53
230.0	0.00	0.0	271.5	274.6	1.58	618.52
240.0	0.00	0.0	268.4	271.5	1.55	618.50
250.0	0.00	0.0	265.3	268.4	1.53	618.48
260.0	0.00	0.0	262.3	265.3	1.50	618.47
270.0	0.00	0.0	259.4	262.3	1.48	618.45
280.0	0.00	0.0	256.5	259.4	1.45	618.44
290.0	0.00	0.0	253.6	256.5	1.43	618.42
300.0	0.00	0.0	250.8	253.6	1.41	618.41
310.0	0.00	0.0	248.0	250.8	1.39	618.39
320.0	0.00	0.0	245.3	248.0	1.36	618.38
330.0	0.00	0.0	242.6	245.3	1.34	618.36
340.0	0.00	0.0	240.0	242.6	1.32	618.35
350.0	0.00	0.0	237.4	240.0	1.30	618.33
360.0	0.00	0.0	234.8	237.4	1.28	618.32
370.0	0.00	0.0	232.3	234.8	1.26	618.31
380.0	0.00	0.0	229.8	232.3	1.24	618.29
390.0	0.00	0.0	227.4	229.8	1.22	618.28
400.0	0.00	0.0	225.0	227.4	1.20	618.27
410.0	0.00	0.0	222.6	225.0	1.18	618.25
420.0	0.00	0.0	220.3	222.6	1.16	618.24
430.0	0.00	0.0	218.0	220.3	1.14	618.23
440.0	0.00	0.0	215.8	218.0	1.12	618.22

Jnd File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	213.6	215.8	1.11	618.20
460.0	0.00	0.0	211.4	213.6	1.09	618.19
470.0	0.00	0.0	209.2	211.4	1.07	618.18
480.0	0.00	0.0	207.1	209.2	1.05	618.17
490.0	0.00	0.0	205.1	207.1	1.04	618.16
500.0	0.00	0.0	203.0	205.1	1.02	618.15
510.0	0.00	0.0	201.0	203.0	1.00	618.14
520.0	0.00	0.0	199.0	201.0	0.99	618.12
530.0	0.00	0.0	197.1	199.0	0.97	618.11
540.0	0.00	0.0	195.2	197.1	0.95	618.10
550.0	0.00	0.0	193.3	195.2	0.94	618.09
560.0	0.00	0.0	191.5	193.3	0.92	618.08
570.0	0.00	0.0	189.6	191.5	0.91	618.07
580.0	0.00	0.0	187.9	189.6	0.89	618.06
590.0	0.00	0.0	186.1	187.9	0.88	618.05
600.0	0.00	0.0	184.4	186.1	0.87	618.04
610.0	0.00	0.0	182.7	184.4	0.85	618.03
620.0	0.00	0.0	181.0	182.7	0.84	618.03
630.0	0.00	0.0	179.3	181.0	0.82	618.02
640.0	0.00	0.0	177.7	179.3	0.81	618.01
650.0	0.00	0.0	176.1	177.7	0.80	618.00
660.0	0.00	0.0	174.5	176.1	0.79	617.99
670.0	0.00	0.0	173.0	174.5	0.78	617.98
680.0	0.00	0.0	171.4	173.0	0.77	617.97
690.0	0.00	0.0	169.9	171.4	0.76	617.96
700.0	0.00	0.0	168.4	169.9	0.76	617.96
710.0	0.00	0.0	166.9	168.4	0.75	617.95
720.0	0.00	0.0	165.4	166.9	0.74	617.94
730.0	0.00	0.0	164.0	165.4	0.73	617.93
740.0	0.00	0.0	162.5	164.0	0.72	617.92
750.0	0.00	0.0	161.1	162.5	0.72	617.92
760.0	0.00	0.0	159.7	161.1	0.71	617.91
770.0	0.00	0.0	158.3	159.7	0.70	617.90
780.0	0.00	0.0	156.9	158.3	0.69	617.89
790.0	0.00	0.0	155.5	156.9	0.68	617.88
800.0	0.00	0.0	154.2	155.5	0.68	617.88
810.0	0.00	0.0	152.8	154.2	0.67	617.87
820.0	0.00	0.0	151.5	152.8	0.66	617.86
830.0	0.00	0.0	150.2	151.5	0.65	617.85
840.0	0.00	0.0	148.9	150.2	0.65	617.85
850.0	0.00	0.0	147.6	148.9	0.64	617.84
860.0	0.00	0.0	146.3	147.6	0.63	617.83
870.0	0.00	0.0	145.1	146.3	0.63	617.83
880.0	0.00	0.0	143.9	145.1	0.62	617.82
890.0	0.00	0.0	142.6	143.9	0.61	617.81
900.0	0.00	0.0	141.4	142.6	0.61	617.81

and File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	140.2	141.4	0.60	617.80
920.0	0.00	0.0	139.0	140.2	0.59	617.79
930.0	0.00	0.0	137.9	139.0	0.59	617.79
940.0	0.00	0.0	136.7	137.9	0.58	617.78
950.0	0.00	0.0	135.5	136.7	0.57	617.77
960.0	0.00	0.0	134.4	135.5	0.57	617.77
970.0	0.00	0.0	133.3	134.4	0.56	617.76
980.0	0.00	0.0	132.2	133.3	0.55	617.75
990.0	0.00	0.0	131.1	132.2	0.55	617.75
1000.0	0.00	0.0	130.0	131.1	0.54	617.74
1010.0	0.00	0.0	128.9	130.0	0.54	617.74
1020.0	0.00	0.0	127.9	128.9	0.53	617.73
1030.0	0.00	0.0	126.8	127.9	0.52	617.72
1040.0	0.00	0.0	125.8	126.8	0.52	617.72
1050.0	0.00	0.0	124.8	125.8	0.51	617.71
1060.0	0.00	0.0	123.7	124.8	0.51	617.71
1070.0	0.00	0.0	122.7	123.7	0.50	617.70
1080.0	0.00	0.0	121.7	122.7	0.50	617.70
1090.0	0.00	0.0	120.8	121.7	0.49	617.69
1100.0	0.00	0.0	119.8	120.8	0.49	617.69
1110.0	0.00	0.0	118.8	119.8	0.48	617.68
1120.0	0.00	0.0	117.9	118.8	0.47	617.67
1130.0	0.00	0.0	116.9	117.9	0.47	617.67
1140.0	0.00	0.0	116.0	116.9	0.46	617.66
1150.0	0.00	0.0	115.1	116.0	0.46	617.66
1160.0	0.00	0.0	114.2	115.1	0.45	617.65
1170.0	0.00	0.0	113.3	114.2	0.45	617.65
1180.0	0.00	0.0	112.4	113.3	0.44	617.64
1190.0	0.00	0.0	111.5	112.4	0.44	617.64
1200.0	0.00	0.0	110.7	111.5	0.43	617.63
1210.0	0.00	0.0	109.8	110.7	0.43	617.63
1220.0	0.00	0.0	109.0	109.8	0.42	617.62
1230.0	0.00	0.0	108.1	109.0	0.42	617.62
1240.0	0.00	0.0	107.3	108.1	0.41	617.61
1250.0	0.00	0.0	106.5	107.3	0.41	617.61
1260.0	0.00	0.0	105.7	106.5	0.41	617.61
1270.0	0.00	0.0	104.9	105.7	0.40	617.60
1280.0	0.00	0.0	104.1	104.9	0.40	617.60
1290.0	0.00	0.0	103.3	104.1	0.39	617.59
1300.0	0.00	0.0	102.5	103.3	0.39	617.59
1310.0	0.00	0.0	101.7	102.5	0.38	617.58
1320.0	0.00	0.0	101.0	101.7	0.38	617.58
1330.0	0.00	0.0	100.2	101.0	0.38	617.58
1340.0	0.00	0.0	99.5	100.2	0.37	617.57
1350.0	0.00	0.0	98.7	99.5	0.37	617.57
1360.0	0.00	0.0	98.0	98.7	0.36	617.56

and File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	97.3	98.0	0.36	617.56
1380.0	0.00	0.0	96.6	97.3	0.35	617.55
1390.0	0.00	0.0	95.9	96.6	0.35	617.55
1400.0	0.00	0.0	95.2	95.9	0.35	617.55
1410.0	0.00	0.0	94.5	95.2	0.34	617.54
1420.0	0.00	0.0	93.8	94.5	0.34	617.54
1430.0	0.00	0.0	93.2	93.8	0.34	617.54
1440.0	0.00	0.0	92.5	93.2	0.33	617.53
1450.0	0.00	0.0	91.9	92.5	0.33	617.53
1460.0	0.00	0.0	91.2	91.9	0.32	617.52
1470.0	0.00	0.0	90.6	91.2	0.32	617.52
1480.0	0.00	0.0	89.9	90.6	0.32	617.52
1490.0	0.00	0.0	89.3	89.9	0.31	617.51
1500.0	0.00	0.0	88.7	89.3	0.31	617.51
1510.0	0.00	0.0	88.1	88.7	0.31	617.51
1520.0	0.00	0.0	87.5	88.1	0.30	617.50
1530.0	0.00	0.0	86.9	87.5	0.30	617.50
1540.0	0.00	0.0	86.3	86.9	0.30	617.50
1550.0	0.00	0.0	85.7	86.3	0.29	617.49
1560.0	0.00	0.0	85.1	85.7	0.29	617.49
1570.0	0.00	0.0	84.5	85.1	0.29	617.49
1580.0	0.00	0.0	84.0	84.5	0.28	617.48
1590.0	0.00	0.0	83.4	84.0	0.28	617.48
1600.0	0.00	0.0	82.9	83.4	0.28	617.48
1610.0	0.00	0.0	82.3	82.9	0.27	617.47
1620.0	0.00	0.0	81.8	82.3	0.27	617.47
1630.0	0.00	0.0	81.2	81.8	0.27	617.47
1640.0	0.00	0.0	80.7	81.2	0.26	617.46
1650.0	0.00	0.0	80.2	80.7	0.26	617.46
1660.0	0.00	0.0	79.7	80.2	0.26	617.46
1670.0	0.00	0.0	79.2	79.7	0.26	617.46
1680.0	0.00	0.0	78.7	79.2	0.25	617.45
1690.0	0.00	0.0	78.2	78.7	0.25	617.45
1700.0	0.00	0.0	77.7	78.2	0.25	617.45
1710.0	0.00	0.0	77.2	77.7	0.24	617.44
1720.0	0.00	0.0	76.7	77.2	0.24	617.44
1730.0	0.00	0.0	76.2	76.7	0.24	617.44
1740.0	0.00	0.0	75.7	76.2	0.24	617.44
1750.0	0.00	0.0	75.3	75.7	0.23	617.43
1760.0	0.00	0.0	74.8	75.3	0.23	617.43
1770.0	0.00	0.0	74.4	74.8	0.23	617.43
1780.0	0.00	0.0	73.9	74.4	0.23	617.43
1790.0	0.00	0.0	73.5	73.9	0.22	617.42
1800.0	0.00	0.0	73.0	73.5	0.22	617.42
1810.0	0.00	0.0	72.6	73.0	0.22	617.42
1820.0	0.00	0.0	72.2	72.6	0.22	617.42

and File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	71.7	72.2	0.21	617.41
1840.0	0.00	0.0	71.3	71.7	0.21	617.41
1850.0	0.00	0.0	70.9	71.3	0.21	617.41
1860.0	0.00	0.0	70.5	70.9	0.21	617.41
1870.0	0.00	0.0	70.1	70.5	0.20	617.40
1880.0	0.00	0.0	69.7	70.1	0.20	617.40
1890.0	0.00	0.0	69.3	69.7	0.20	617.40
1900.0	0.00	0.0	68.9	69.3	0.20	617.40
1910.0	0.00	0.0	68.5	68.9	0.20	617.39
1920.0	0.00	0.0	68.1	68.5	0.20	617.39
1930.0	0.00	0.0	67.7	68.1	0.20	617.39
1940.0	0.00	0.0	67.3	67.7	0.19	617.39
1950.0	0.00	0.0	66.9	67.3	0.19	617.39
1960.0	0.00	0.0	66.5	66.9	0.19	617.38
1970.0	0.00	0.0	66.2	66.5	0.19	617.38
1980.0	0.00	0.0	65.8	66.2	0.19	617.38
1990.0	0.00	0.0	65.4	65.8	0.19	617.38
2000.0	0.00	0.0	65.0	65.4	0.19	617.37
2010.0	0.00	0.0	64.6	65.0	0.19	617.37
2020.0	0.00	0.0	64.3	64.6	0.19	617.37
2030.0	0.00	0.0	63.9	64.3	0.18	617.37
2040.0	0.00	0.0	63.5	63.9	0.18	617.37
2050.0	0.00	0.0	63.2	63.5	0.18	617.36
2060.0	0.00	0.0	62.8	63.2	0.18	617.36
2070.0	0.00	0.0	62.5	62.8	0.18	617.36
2080.0	0.00	0.0	62.1	62.5	0.18	617.36
2090.0	0.00	0.0	61.7	62.1	0.18	617.36
2100.0	0.00	0.0	61.4	61.7	0.18	617.35
2110.0	0.00	0.0	61.0	61.4	0.18	617.35
2120.0	0.00	0.0	60.7	61.0	0.18	617.35
2130.0	0.00	0.0	60.3	60.7	0.17	617.35
2140.0	0.00	0.0	60.0	60.3	0.17	617.35
2150.0	0.00	0.0	59.6	60.0	0.17	617.34
2160.0	0.00	0.0	59.3	59.6	0.17	617.34
2170.0	0.00	0.0	59.0	59.3	0.17	617.34
2180.0	0.00	0.0	58.6	59.0	0.17	617.34
2190.0	0.00	0.0	58.3	58.6	0.17	617.34
2200.0	0.00	0.0	58.0	58.3	0.17	617.33
2210.0	0.00	0.0	57.6	58.0	0.17	617.33
2220.0	0.00	0.0	57.3	57.6	0.17	617.33
2230.0	0.00	0.0	57.0	57.3	0.16	617.33
2240.0	0.00	0.0	56.6	57.0	0.16	617.33
2250.0	0.00	0.0	56.3	56.6	0.16	617.33
2260.0	0.00	0.0	56.0	56.3	0.16	617.32
2270.0	0.00	0.0	55.7	56.0	0.16	617.32
2280.0	0.00	0.0	55.3	55.7	0.16	617.32

nd File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	55.0	55.3	0.16	617.32
2300.0	0.00	0.0	54.7	55.0	0.16	617.32
2310.0	0.00	0.0	54.4	54.7	0.16	617.31
2320.0	0.00	0.0	54.1	54.4	0.16	617.31
2330.0	0.00	0.0	53.8	54.1	0.16	617.31
2340.0	0.00	0.0	53.5	53.8	0.15	617.31
2350.0	0.00	0.0	53.2	53.5	0.15	617.31
2360.0	0.00	0.0	52.9	53.2	0.15	617.31
2370.0	0.00	0.0	52.6	52.9	0.15	617.30
2380.0	0.00	0.0	52.2	52.6	0.15	617.30
2390.0	0.00	0.0	51.9	52.2	0.15	617.30
2400.0	0.00	0.0	51.7	51.9	0.15	617.30
2410.0	0.00	0.0	51.4	51.7	0.15	617.30
2420.0	0.00	0.0	51.1	51.4	0.15	617.29
2430.0	0.00	0.0	50.8	51.1	0.15	617.29
2440.0	0.00	0.0	50.5	50.8	0.15	617.29
2450.0	0.00	0.0	50.2	50.5	0.14	617.29
2460.0	0.00	0.0	49.9	50.2	0.14	617.29
2470.0	0.00	0.0	49.6	49.9	0.14	617.29
2480.0	0.00	0.0	49.3	49.6	0.14	617.29
2490.0	0.00	0.0	49.0	49.3	0.14	617.28
2500.0	0.00	0.0	48.8	49.0	0.14	617.28
2510.0	0.00	0.0	48.5	48.8	0.14	617.28
2520.0	0.00	0.0	48.2	48.5	0.14	617.28
2530.0	0.00	0.0	47.9	48.2	0.14	617.28
2540.0	0.00	0.0	47.6	47.9	0.14	617.28
2550.0	0.00	0.0	47.4	47.6	0.14	617.27
2560.0	0.00	0.0	47.1	47.4	0.14	617.27
2570.0	0.00	0.0	46.8	47.1	0.14	617.27
2580.0	0.00	0.0	46.6	46.8	0.13	617.27
2590.0	0.00	0.0	46.3	46.6	0.13	617.27
2600.0	0.00	0.0	46.0	46.3	0.13	617.27
2610.0	0.00	0.0	45.8	46.0	0.13	617.26
2620.0	0.00	0.0	45.5	45.8	0.13	617.26
2630.0	0.00	0.0	45.2	45.5	0.13	617.26
2640.0	0.00	0.0	45.0	45.2	0.13	617.26
2650.0	0.00	0.0	44.7	45.0	0.13	617.26
2660.0	0.00	0.0	44.5	44.7	0.13	617.26
2670.0	0.00	0.0	44.2	44.5	0.13	617.26
2680.0	0.00	0.0	44.0	44.2	0.13	617.25
2690.0	0.00	0.0	43.7	44.0	0.13	617.25
2700.0	0.00	0.0	43.4	43.7	0.13	617.25
2710.0	0.00	0.0	43.2	43.4	0.12	617.25
2720.0	0.00	0.0	42.9	43.2	0.12	617.25
2730.0	0.00	0.0	42.7	42.9	0.12	617.25
2740.0	0.00	0.0	42.5	42.7	0.12	617.25

nd File: J:\data\0203043\BASIN3 .PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100 .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	42.2	42.5	0.12	617.24
2760.0	0.00	0.0	42.0	42.2	0.12	617.24
2770.0	0.00	0.0	41.7	42.0	0.12	617.24
2780.0	0.00	0.0	41.5	41.7	0.12	617.24
2790.0	0.00	0.0	41.2	41.5	0.12	617.24
2800.0	0.00	0.0	41.0	41.2	0.12	617.24
2810.0	0.00	0.0	40.8	41.0	0.12	617.24
2820.0	0.00	0.0	40.5	40.8	0.12	617.23
2830.0	0.00	0.0	40.3	40.5	0.12	617.23
2840.0	0.00	0.0	40.1	40.3	0.12	617.23
2850.0	0.00	0.0	39.8	40.1	0.12	617.23
2860.0	0.00	0.0	39.6	39.8	0.11	617.23
2870.0	0.00	0.0	39.4	39.6	0.11	617.23
2880.0	0.00	0.0	39.2	39.4	0.11	617.23
2890.0	0.00	0.0	38.9	39.2	0.11	617.23
2900.0	0.00	0.0	38.7	38.9	0.11	617.22
2910.0	0.00	0.0	38.5	38.7	0.11	617.22
2920.0	0.00	0.0	38.3	38.5	0.11	617.22
2930.0	0.00	0.0	38.0	38.3	0.11	617.22
2940.0	0.00	0.0	37.8	38.0	0.11	617.22
2950.0	0.00	0.0	37.6	37.8	0.11	617.22
2960.0	0.00	0.0	37.4	37.6	0.11	617.22
2970.0	0.00	0.0	37.2	37.4	0.11	617.22
2980.0	0.00	0.0	37.0	37.2	0.11	617.21
2990.0	0.00	0.0	36.7	37.0	0.11	617.21
3000.0	0.00	0.0	36.5	36.7	0.11	617.21

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN3 .PND
Inflow Hydrograph: J:\data\0203043\100B3 .HYD
Outflow Hydrograph: J:\data\0203043\B3100 .HYD

Starting Pond W.S. Elevation = 617.00 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 97.68 cfs
Peak Outflow = 10.85 cfs
Peak Elevation = 619.05 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 0 cu-ft
Peak Storage From Storm = 112,719 cu-ft

Total Storage in Pond = 112,719 cu-ft

Outlet Structure File: BASIN3BL.STR

POND-2 Version: 5.17

S/N: 1903000008

Date Executed:

Time Executed:

BRIARCHASE
OVERFLOW STRUCTURE, BLOCKED LOW FLOW
DETENTION BASIN #3
11/11/02

***** COMPOSITE OUTFLOW SUMMARY *****

Elevation (ft)	Q (cfs)	Contributing Structures
618.80	0.0	3
619.00	5.6	3
619.20	15.9	3
619.40	29.3	3
619.60	45.1	3
619.80	63.0	3
620.00	85.4	4
620.20	98.6	4
620.40	110.3	4
620.60	120.8	4
620.80	130.5	4
621.00	139.5	4

Outlet Structure File: BASIN3BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

BRIARCHASE
OVERFLOW STRUCTURE, BLOCKED LOW FLOW
DETENTION BASIN #3
11/11/02

Outlet Structure File: J:\data\0203043\BASIN3BL.STR
Planimeter Input File: J:\data\0203043\BASIN3 .VOL
Rating Table Output File: J:\data\0203043\BASIN3BL.PND

Min. Elev.(ft) = 618.8 Max. Elev.(ft) = 621 Incr.(ft) = .2

Additional elevations (ft) to be included in table:
* * * * *

SYSTEM CONNECTIVITY

Structure	No.	Q Table	Q Table
-----	---	-----	-----
WEIR-VR	3	->	3
ORIFICE	4	->	4

Outflow rating table summary was stored in file:
J:\data\0203043\BASIN3BL.PND

Outlet Structure File: BASIN3BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

```
*****  
BRIARCHASE  
OVERFLOW STRUCTURE, BLOCKED LOW FLOW  
DETENTION BASIN #3  
11/11/02  
*****
```

>>>>> Structure No. 3 <<<<<<
(Input Data)

WEIR-VR
Weir - Vertical Rectangular

E1 elev. (ft)?	618.8
E2 elev. (ft)?	620
Weir coefficient?	3.3
Weir elev. (ft)?	618.8
Length (ft)?	19.08
Contracted/Suppressed (C/S)?	S

Outlet Structure File: BASIN3BL.STR

POND-2 Version: 5.17
Date Executed:

S/N: 1903000008
Time Executed:

```
*****  
BRIARCHASE  
OVERFLOW STRUCTURE, BLOCKED LOW FLOW  
DETENTION BASIN #3  
11/11/02  
*****
```

>>>>> Structure No. 4 <<<<<<
(Input Data)

ORIFICE
Orifice - Based on Area and Datum Elevation

E1 elev.(ft)?	620
E2 elev.(ft)?	621.001
Orifice coeff.?	.6
Invert elev.(ft)?	618.8
Datum elev.(ft) ?	619.4
Orifice area (sq ft)?	22.90

```

*****
*
*          BRIARCHASE          *
*   DETENTION BASIN #3      *
*   BLOCKED LOW FLOW        *
*
*
*****
  
```

Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Rating Table file: J:\data\0203043\BASIN3BL.PND

----INITIAL CONDITIONS----
 Elevation = 618.80 ft
 Outflow = 0.00 cfs
 Storage = 98,027 cu-ft

GIVEN POND DATA			INTERMEDIATE ROUTING COMPUTATIONS	
ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
618.80	0.0	98,027	326.8	326.8
619.00	5.6	109,575	365.3	370.9
619.20	15.9	121,256	404.2	420.1
619.40	29.3	133,062	443.5	472.8
619.60	45.1	145,004	483.3	528.4
619.80	63.0	157,076	523.6	586.6
620.00	85.4	169,282	564.3	649.7
620.20	98.6	181,630	605.4	704.0
620.40	110.3	194,126	647.1	757.4
620.60	120.8	206,779	689.3	810.1
620.80	130.5	219,587	732.0	862.5
621.00	139.5	232,550	775.2	914.7

Time increment (t) = 10.0 min.

_ond File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	326.8	326.8	0.00	618.80
10.0	37.88	37.9	355.0	364.6	4.81	618.97
20.0	37.88	75.8	393.5	430.8	18.61	619.24
30.0	0.00	37.9	393.9	431.4	18.78	619.24
40.0	0.00	0.0	373.0	393.9	10.41	619.09
50.0	0.00	0.0	360.9	373.0	6.06	619.01
60.0	0.00	0.0	352.2	360.9	4.34	618.95
70.0	0.00	0.0	345.8	352.2	3.24	618.92
80.0	0.00	0.0	340.9	345.8	2.41	618.89
90.0	0.00	0.0	337.3	340.9	1.80	618.86
100.0	0.00	0.0	334.6	337.3	1.34	618.85
110.0	0.00	0.0	332.6	334.6	1.00	618.84
120.0	0.00	0.0	331.1	332.6	0.75	618.83
130.0	0.00	0.0	330.0	331.1	0.56	618.82
140.0	0.00	0.0	329.2	330.0	0.42	618.81
150.0	0.00	0.0	328.6	329.2	0.31	618.81
160.0	0.00	0.0	328.1	328.6	0.23	618.81
170.0	0.00	0.0	327.8	328.1	0.17	618.81
180.0	0.00	0.0	327.5	327.8	0.13	618.80
190.0	0.00	0.0	327.3	327.5	0.10	618.80
200.0	0.00	0.0	327.2	327.3	0.07	618.80
210.0	0.00	0.0	327.1	327.2	0.05	618.80
220.0	0.00	0.0	327.0	327.1	0.04	618.80
230.0	0.00	0.0	326.9	327.0	0.03	618.80
240.0	0.00	0.0	326.9	326.9	0.02	618.80
250.0	0.00	0.0	326.9	326.9	0.02	618.80
260.0	0.00	0.0	326.8	326.9	0.01	618.80
270.0	0.00	0.0	326.8	326.8	0.01	618.80
280.0	0.00	0.0	326.8	326.8	0.01	618.80
290.0	0.00	0.0	326.8	326.8	0.01	618.80
300.0	0.00	0.0	326.8	326.8	0.00	618.80
310.0	0.00	0.0	326.8	326.8	0.00	618.80
320.0	0.00	0.0	326.8	326.8	0.00	618.80
330.0	0.00	0.0	326.8	326.8	0.00	618.80
340.0	0.00	0.0	326.8	326.8	0.00	618.80
350.0	0.00	0.0	326.8	326.8	0.00	618.80
360.0	0.00	0.0	326.8	326.8	0.00	618.80
370.0	0.00	0.0	326.8	326.8	0.00	618.80
380.0	0.00	0.0	326.8	326.8	0.00	618.80
390.0	0.00	0.0	326.8	326.8	0.00	618.80
400.0	0.00	0.0	326.8	326.8	0.00	618.80
410.0	0.00	0.0	326.8	326.8	0.00	618.80
420.0	0.00	0.0	326.8	326.8	0.00	618.80
430.0	0.00	0.0	326.8	326.8	0.00	618.80
440.0	0.00	0.0	326.8	326.8	0.00	618.80

and File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	326.8	326.8	0.00	618.80
460.0	0.00	0.0	326.8	326.8	0.00	618.80
470.0	0.00	0.0	326.8	326.8	0.00	618.80
480.0	0.00	0.0	326.8	326.8	0.00	618.80
490.0	0.00	0.0	326.8	326.8	0.00	618.80
500.0	0.00	0.0	326.8	326.8	0.00	618.80
510.0	0.00	0.0	326.8	326.8	0.00	618.80
520.0	0.00	0.0	326.8	326.8	0.00	618.80
530.0	0.00	0.0	326.8	326.8	0.00	618.80
540.0	0.00	0.0	326.8	326.8	0.00	618.80
550.0	0.00	0.0	326.8	326.8	0.00	618.80
560.0	0.00	0.0	326.8	326.8	0.00	618.80
570.0	0.00	0.0	326.8	326.8	0.00	618.80
580.0	0.00	0.0	326.8	326.8	0.00	618.80
590.0	0.00	0.0	326.8	326.8	0.00	618.80
600.0	0.00	0.0	326.8	326.8	0.00	618.80
610.0	0.00	0.0	326.8	326.8	0.00	618.80
620.0	0.00	0.0	326.8	326.8	0.00	618.80
630.0	0.00	0.0	326.8	326.8	0.00	618.80
640.0	0.00	0.0	326.8	326.8	0.00	618.80
650.0	0.00	0.0	326.8	326.8	0.00	618.80
660.0	0.00	0.0	326.8	326.8	0.00	618.80
670.0	0.00	0.0	326.8	326.8	0.00	618.80
680.0	0.00	0.0	326.8	326.8	0.00	618.80
690.0	0.00	0.0	326.8	326.8	0.00	618.80
700.0	0.00	0.0	326.8	326.8	0.00	618.80
710.0	0.00	0.0	326.8	326.8	0.00	618.80
720.0	0.00	0.0	326.8	326.8	0.00	618.80
730.0	0.00	0.0	326.8	326.8	0.00	618.80
740.0	0.00	0.0	326.8	326.8	0.00	618.80
750.0	0.00	0.0	326.8	326.8	0.00	618.80
760.0	0.00	0.0	326.8	326.8	0.00	618.80
770.0	0.00	0.0	326.8	326.8	0.00	618.80
780.0	0.00	0.0	326.8	326.8	0.00	618.80
790.0	0.00	0.0	326.8	326.8	0.00	618.80
800.0	0.00	0.0	326.8	326.8	0.00	618.80
810.0	0.00	0.0	326.8	326.8	0.00	618.80
820.0	0.00	0.0	326.8	326.8	0.00	618.80
830.0	0.00	0.0	326.8	326.8	0.00	618.80
840.0	0.00	0.0	326.8	326.8	0.00	618.80
850.0	0.00	0.0	326.8	326.8	0.00	618.80
860.0	0.00	0.0	326.8	326.8	0.00	618.80
870.0	0.00	0.0	326.8	326.8	0.00	618.80
880.0	0.00	0.0	326.8	326.8	0.00	618.80
890.0	0.00	0.0	326.8	326.8	0.00	618.80
900.0	0.00	0.0	326.8	326.8	0.00	618.80

Ind File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	326.8	326.8	0.00	618.80
920.0	0.00	0.0	326.8	326.8	0.00	618.80
930.0	0.00	0.0	326.8	326.8	0.00	618.80
940.0	0.00	0.0	326.8	326.8	0.00	618.80
950.0	0.00	0.0	326.8	326.8	0.00	618.80
960.0	0.00	0.0	326.8	326.8	0.00	618.80
970.0	0.00	0.0	326.8	326.8	0.00	618.80
980.0	0.00	0.0	326.8	326.8	0.00	618.80
990.0	0.00	0.0	326.8	326.8	0.00	618.80
1000.0	0.00	0.0	326.8	326.8	0.00	618.80
1010.0	0.00	0.0	326.8	326.8	0.00	618.80
1020.0	0.00	0.0	326.8	326.8	0.00	618.80
1030.0	0.00	0.0	326.8	326.8	0.00	618.80
1040.0	0.00	0.0	326.8	326.8	0.00	618.80
1050.0	0.00	0.0	326.8	326.8	0.00	618.80
1060.0	0.00	0.0	326.8	326.8	0.00	618.80
1070.0	0.00	0.0	326.8	326.8	0.00	618.80
1080.0	0.00	0.0	326.8	326.8	0.00	618.80
1090.0	0.00	0.0	326.8	326.8	0.00	618.80
1100.0	0.00	0.0	326.8	326.8	0.00	618.80
1110.0	0.00	0.0	326.8	326.8	0.00	618.80
1120.0	0.00	0.0	326.8	326.8	0.00	618.80
1130.0	0.00	0.0	326.8	326.8	0.00	618.80
1140.0	0.00	0.0	326.8	326.8	0.00	618.80
1150.0	0.00	0.0	326.8	326.8	0.00	618.80
1160.0	0.00	0.0	326.8	326.8	0.00	618.80
1170.0	0.00	0.0	326.8	326.8	0.00	618.80
1180.0	0.00	0.0	326.8	326.8	0.00	618.80
1190.0	0.00	0.0	326.8	326.8	0.00	618.80
1200.0	0.00	0.0	326.8	326.8	0.00	618.80
1210.0	0.00	0.0	326.8	326.8	0.00	618.80
1220.0	0.00	0.0	326.8	326.8	0.00	618.80
1230.0	0.00	0.0	326.8	326.8	0.00	618.80
1240.0	0.00	0.0	326.8	326.8	0.00	618.80
1250.0	0.00	0.0	326.8	326.8	0.00	618.80
1260.0	0.00	0.0	326.8	326.8	0.00	618.80
1270.0	0.00	0.0	326.8	326.8	0.00	618.80
1280.0	0.00	0.0	326.8	326.8	0.00	618.80
1290.0	0.00	0.0	326.8	326.8	0.00	618.80
1300.0	0.00	0.0	326.8	326.8	0.00	618.80
1310.0	0.00	0.0	326.8	326.8	0.00	618.80
1320.0	0.00	0.0	326.8	326.8	0.00	618.80
1330.0	0.00	0.0	326.8	326.8	0.00	618.80
1340.0	0.00	0.0	326.8	326.8	0.00	618.80
1350.0	0.00	0.0	326.8	326.8	0.00	618.80
1360.0	0.00	0.0	326.8	326.8	0.00	618.80

Pond File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	326.8	326.8	0.00	618.80
1380.0	0.00	0.0	326.8	326.8	0.00	618.80
1390.0	0.00	0.0	326.8	326.8	0.00	618.80
1400.0	0.00	0.0	326.8	326.8	0.00	618.80
1410.0	0.00	0.0	326.8	326.8	0.00	618.80
1420.0	0.00	0.0	326.8	326.8	0.00	618.80
1430.0	0.00	0.0	326.8	326.8	0.00	618.80
1440.0	0.00	0.0	326.8	326.8	0.00	618.80
1450.0	0.00	0.0	326.8	326.8	0.00	618.80
1460.0	0.00	0.0	326.8	326.8	0.00	618.80
1470.0	0.00	0.0	326.8	326.8	0.00	618.80
1480.0	0.00	0.0	326.8	326.8	0.00	618.80
1490.0	0.00	0.0	326.8	326.8	0.00	618.80
1500.0	0.00	0.0	326.8	326.8	0.00	618.80
1510.0	0.00	0.0	326.8	326.8	0.00	618.80
1520.0	0.00	0.0	326.8	326.8	0.00	618.80
530.0	0.00	0.0	326.8	326.8	0.00	618.80
1540.0	0.00	0.0	326.8	326.8	0.00	618.80
1550.0	0.00	0.0	326.8	326.8	0.00	618.80
1560.0	0.00	0.0	326.8	326.8	0.00	618.80
1570.0	0.00	0.0	326.8	326.8	0.00	618.80
1580.0	0.00	0.0	326.8	326.8	0.00	618.80
1590.0	0.00	0.0	326.8	326.8	0.00	618.80
1600.0	0.00	0.0	326.8	326.8	0.00	618.80
1610.0	0.00	0.0	326.8	326.8	0.00	618.80
1620.0	0.00	0.0	326.8	326.8	0.00	618.80
1630.0	0.00	0.0	326.8	326.8	0.00	618.80
1640.0	0.00	0.0	326.8	326.8	0.00	618.80
1650.0	0.00	0.0	326.8	326.8	0.00	618.80
1660.0	0.00	0.0	326.8	326.8	0.00	618.80
1670.0	0.00	0.0	326.8	326.8	0.00	618.80
1680.0	0.00	0.0	326.8	326.8	0.00	618.80
1690.0	0.00	0.0	326.8	326.8	0.00	618.80
1700.0	0.00	0.0	326.8	326.8	0.00	618.80
1710.0	0.00	0.0	326.8	326.8	0.00	618.80
1720.0	0.00	0.0	326.8	326.8	0.00	618.80
1730.0	0.00	0.0	326.8	326.8	0.00	618.80
1740.0	0.00	0.0	326.8	326.8	0.00	618.80
1750.0	0.00	0.0	326.8	326.8	0.00	618.80
1760.0	0.00	0.0	326.8	326.8	0.00	618.80
1770.0	0.00	0.0	326.8	326.8	0.00	618.80
1780.0	0.00	0.0	326.8	326.8	0.00	618.80
1790.0	0.00	0.0	326.8	326.8	0.00	618.80
1800.0	0.00	0.0	326.8	326.8	0.00	618.80
1810.0	0.00	0.0	326.8	326.8	0.00	618.80
1820.0	0.00	0.0	326.8	326.8	0.00	618.80

ond File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	326.8	326.8	0.00	618.80
1840.0	0.00	0.0	326.8	326.8	0.00	618.80
1850.0	0.00	0.0	326.8	326.8	0.00	618.80
1860.0	0.00	0.0	326.8	326.8	0.00	618.80
1870.0	0.00	0.0	326.8	326.8	0.00	618.80
1880.0	0.00	0.0	326.8	326.8	0.00	618.80
1890.0	0.00	0.0	326.8	326.8	0.00	618.80
1900.0	0.00	0.0	326.8	326.8	0.00	618.80
1910.0	0.00	0.0	326.8	326.8	0.00	618.80
1920.0	0.00	0.0	326.8	326.8	0.00	618.80
1930.0	0.00	0.0	326.8	326.8	0.00	618.80
1940.0	0.00	0.0	326.8	326.8	0.00	618.80
1950.0	0.00	0.0	326.8	326.8	0.00	618.80
1960.0	0.00	0.0	326.8	326.8	0.00	618.80
1970.0	0.00	0.0	326.8	326.8	0.00	618.80
1980.0	0.00	0.0	326.8	326.8	0.00	618.80
1990.0	0.00	0.0	326.8	326.8	0.00	618.80
2000.0	0.00	0.0	326.8	326.8	0.00	618.80
2010.0	0.00	0.0	326.8	326.8	0.00	618.80
2020.0	0.00	0.0	326.8	326.8	0.00	618.80
2030.0	0.00	0.0	326.8	326.8	0.00	618.80
2040.0	0.00	0.0	326.8	326.8	0.00	618.80
2050.0	0.00	0.0	326.8	326.8	0.00	618.80
2060.0	0.00	0.0	326.8	326.8	0.00	618.80
2070.0	0.00	0.0	326.8	326.8	0.00	618.80
2080.0	0.00	0.0	326.8	326.8	0.00	618.80
2090.0	0.00	0.0	326.8	326.8	0.00	618.80
2100.0	0.00	0.0	326.8	326.8	0.00	618.80
2110.0	0.00	0.0	326.8	326.8	0.00	618.80
2120.0	0.00	0.0	326.8	326.8	0.00	618.80
2130.0	0.00	0.0	326.8	326.8	0.00	618.80
2140.0	0.00	0.0	326.8	326.8	0.00	618.80
2150.0	0.00	0.0	326.8	326.8	0.00	618.80
2160.0	0.00	0.0	326.8	326.8	0.00	618.80
2170.0	0.00	0.0	326.8	326.8	0.00	618.80
2180.0	0.00	0.0	326.8	326.8	0.00	618.80
2190.0	0.00	0.0	326.8	326.8	0.00	618.80
2200.0	0.00	0.0	326.8	326.8	0.00	618.80
2210.0	0.00	0.0	326.8	326.8	0.00	618.80
2220.0	0.00	0.0	326.8	326.8	0.00	618.80
2230.0	0.00	0.0	326.8	326.8	0.00	618.80
2240.0	0.00	0.0	326.8	326.8	0.00	618.80
2250.0	0.00	0.0	326.8	326.8	0.00	618.80
2260.0	0.00	0.0	326.8	326.8	0.00	618.80
2270.0	0.00	0.0	326.8	326.8	0.00	618.80
2280.0	0.00	0.0	326.8	326.8	0.00	618.80

Sound File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	326.8	326.8	0.00	618.80
2300.0	0.00	0.0	326.8	326.8	0.00	618.80
2310.0	0.00	0.0	326.8	326.8	0.00	618.80
2320.0	0.00	0.0	326.8	326.8	0.00	618.80
2330.0	0.00	0.0	326.8	326.8	0.00	618.80
2340.0	0.00	0.0	326.8	326.8	0.00	618.80
2350.0	0.00	0.0	326.8	326.8	0.00	618.80
2360.0	0.00	0.0	326.8	326.8	0.00	618.80
2370.0	0.00	0.0	326.8	326.8	0.00	618.80
2380.0	0.00	0.0	326.8	326.8	0.00	618.80
2390.0	0.00	0.0	326.8	326.8	0.00	618.80
2400.0	0.00	0.0	326.8	326.8	0.00	618.80
2410.0	0.00	0.0	326.8	326.8	0.00	618.80
2420.0	0.00	0.0	326.8	326.8	0.00	618.80
2430.0	0.00	0.0	326.8	326.8	0.00	618.80
2440.0	0.00	0.0	326.8	326.8	0.00	618.80
2450.0	0.00	0.0	326.8	326.8	0.00	618.80
2460.0	0.00	0.0	326.8	326.8	0.00	618.80
2470.0	0.00	0.0	326.8	326.8	0.00	618.80
2480.0	0.00	0.0	326.8	326.8	0.00	618.80
2490.0	0.00	0.0	326.8	326.8	0.00	618.80
2500.0	0.00	0.0	326.8	326.8	0.00	618.80
2510.0	0.00	0.0	326.8	326.8	0.00	618.80
2520.0	0.00	0.0	326.8	326.8	0.00	618.80
2530.0	0.00	0.0	326.8	326.8	0.00	618.80
2540.0	0.00	0.0	326.8	326.8	0.00	618.80
2550.0	0.00	0.0	326.8	326.8	0.00	618.80
2560.0	0.00	0.0	326.8	326.8	0.00	618.80
2570.0	0.00	0.0	326.8	326.8	0.00	618.80
2580.0	0.00	0.0	326.8	326.8	0.00	618.80
2590.0	0.00	0.0	326.8	326.8	0.00	618.80
2600.0	0.00	0.0	326.8	326.8	0.00	618.80
2610.0	0.00	0.0	326.8	326.8	0.00	618.80
2620.0	0.00	0.0	326.8	326.8	0.00	618.80
2630.0	0.00	0.0	326.8	326.8	0.00	618.80
2640.0	0.00	0.0	326.8	326.8	0.00	618.80
2650.0	0.00	0.0	326.8	326.8	0.00	618.80
2660.0	0.00	0.0	326.8	326.8	0.00	618.80
2670.0	0.00	0.0	326.8	326.8	0.00	618.80
2680.0	0.00	0.0	326.8	326.8	0.00	618.80
2690.0	0.00	0.0	326.8	326.8	0.00	618.80
2700.0	0.00	0.0	326.8	326.8	0.00	618.80
2710.0	0.00	0.0	326.8	326.8	0.00	618.80
2720.0	0.00	0.0	326.8	326.8	0.00	618.80
2730.0	0.00	0.0	326.8	326.8	0.00	618.80
2740.0	0.00	0.0	326.8	326.8	0.00	618.80

Pond File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\02B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B302BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	326.8	326.8	0.00	618.80
2760.0	0.00	0.0	326.8	326.8	0.00	618.80
2770.0	0.00	0.0	326.8	326.8	0.00	618.80
2780.0	0.00	0.0	326.8	326.8	0.00	618.80
2790.0	0.00	0.0	326.8	326.8	0.00	618.80
2800.0	0.00	0.0	326.8	326.8	0.00	618.80
2810.0	0.00	0.0	326.8	326.8	0.00	618.80
2820.0	0.00	0.0	326.8	326.8	0.00	618.80
2830.0	0.00	0.0	326.8	326.8	0.00	618.80
2840.0	0.00	0.0	326.8	326.8	0.00	618.80
2850.0	0.00	0.0	326.8	326.8	0.00	618.80
2860.0	0.00	0.0	326.8	326.8	0.00	618.80
2870.0	0.00	0.0	326.8	326.8	0.00	618.80
2880.0	0.00	0.0	326.8	326.8	0.00	618.80
2890.0	0.00	0.0	326.8	326.8	0.00	618.80
2900.0	0.00	0.0	326.8	326.8	0.00	618.80
2910.0	0.00	0.0	326.8	326.8	0.00	618.80
2920.0	0.00	0.0	326.8	326.8	0.00	618.80
2930.0	0.00	0.0	326.8	326.8	0.00	618.80
2940.0	0.00	0.0	326.8	326.8	0.00	618.80
2950.0	0.00	0.0	326.8	326.8	0.00	618.80
2960.0	0.00	0.0	326.8	326.8	0.00	618.80
2970.0	0.00	0.0	326.8	326.8	0.00	618.80
2980.0	0.00	0.0	326.8	326.8	0.00	618.80
2990.0	0.00	0.0	326.8	326.8	0.00	618.80
3000.0	0.00	0.0	326.8	326.8	0.00	618.80

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN3BL.PND
Inflow Hydrograph: J:\data\0203043\02B3 .HYD
Outflow Hydrograph: J:\data\0203043\B302BL .HYD

Starting Pond W.S. Elevation = 618.80 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 37.88 cfs
Peak Outflow = 18.78 cfs
Peak Elevation = 619.24 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 98,027 cu-ft
Peak Storage From Storm = 25,767 cu-ft

Total Storage in Pond = 123,793 cu-ft

```

*****
*
*      BRIARCHASE      *
*  DETENTION BASIN #3 *
*   BLOCKED LOW FLOW  *
*
*
*
*****
  
```

Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Rating Table file: J:\data\0203043\BASIN3BL.PND

----INITIAL CONDITIONS----
 Elevation = 618.80 ft
 Outflow = 0.00 cfs
 Storage = 98,027 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
618.80	0.0	98,027	326.8	326.8
619.00	5.6	109,575	365.3	370.9
619.20	15.9	121,256	404.2	420.1
619.40	29.3	133,062	443.5	472.8
619.60	45.1	145,004	483.3	528.4
619.80	63.0	157,076	523.6	586.6
620.00	85.4	169,282	564.3	649.7
620.20	98.6	181,630	605.4	704.0
620.40	110.3	194,126	647.1	757.4
620.60	120.8	206,779	689.3	810.1
620.80	130.5	219,587	732.0	862.5
621.00	139.5	232,550	775.2	914.7

Time increment (t) = 10.0 min.

nd File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	326.8	326.8	0.00	618.80
10.0	61.71	61.7	369.9	388.5	9.28	619.07
20.0	61.71	123.4	423.1	493.3	35.12	619.47
30.0	0.00	61.7	419.4	484.8	32.70	619.44
40.0	0.00	0.0	387.9	419.4	15.76	619.20
50.0	0.00	0.0	369.6	387.9	9.16	619.07
60.0	0.00	0.0	358.7	369.6	5.44	618.99
70.0	0.00	0.0	350.6	358.7	4.06	618.94
80.0	0.00	0.0	344.5	350.6	3.03	618.91
90.0	0.00	0.0	340.0	344.5	2.26	618.88
100.0	0.00	0.0	336.6	340.0	1.68	618.86
110.0	0.00	0.0	334.1	336.6	1.26	618.84
120.0	0.00	0.0	332.3	334.1	0.94	618.83
130.0	0.00	0.0	330.9	332.3	0.70	618.82
140.0	0.00	0.0	329.8	330.9	0.52	618.82
150.0	0.00	0.0	329.0	329.8	0.39	618.81
160.0	0.00	0.0	328.5	329.0	0.29	618.81
170.0	0.00	0.0	328.0	328.5	0.22	618.81
180.0	0.00	0.0	327.7	328.0	0.16	618.81
190.0	0.00	0.0	327.5	327.7	0.12	618.80
200.0	0.00	0.0	327.3	327.5	0.09	618.80
210.0	0.00	0.0	327.1	327.3	0.07	618.80
220.0	0.00	0.0	327.0	327.1	0.05	618.80
230.0	0.00	0.0	327.0	327.0	0.04	618.80
240.0	0.00	0.0	326.9	327.0	0.03	618.80
250.0	0.00	0.0	326.9	326.9	0.02	618.80
260.0	0.00	0.0	326.8	326.9	0.02	618.80
270.0	0.00	0.0	326.8	326.8	0.01	618.80
280.0	0.00	0.0	326.8	326.8	0.01	618.80
290.0	0.00	0.0	326.8	326.8	0.01	618.80
300.0	0.00	0.0	326.8	326.8	0.00	618.80
310.0	0.00	0.0	326.8	326.8	0.00	618.80
320.0	0.00	0.0	326.8	326.8	0.00	618.80
330.0	0.00	0.0	326.8	326.8	0.00	618.80
340.0	0.00	0.0	326.8	326.8	0.00	618.80
350.0	0.00	0.0	326.8	326.8	0.00	618.80
360.0	0.00	0.0	326.8	326.8	0.00	618.80
370.0	0.00	0.0	326.8	326.8	0.00	618.80
380.0	0.00	0.0	326.8	326.8	0.00	618.80
390.0	0.00	0.0	326.8	326.8	0.00	618.80
400.0	0.00	0.0	326.8	326.8	0.00	618.80
410.0	0.00	0.0	326.8	326.8	0.00	618.80
420.0	0.00	0.0	326.8	326.8	0.00	618.80
430.0	0.00	0.0	326.8	326.8	0.00	618.80
440.0	0.00	0.0	326.8	326.8	0.00	618.80

and File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	326.8	326.8	0.00	618.80
460.0	0.00	0.0	326.8	326.8	0.00	618.80
470.0	0.00	0.0	326.8	326.8	0.00	618.80
480.0	0.00	0.0	326.8	326.8	0.00	618.80
490.0	0.00	0.0	326.8	326.8	0.00	618.80
500.0	0.00	0.0	326.8	326.8	0.00	618.80
510.0	0.00	0.0	326.8	326.8	0.00	618.80
520.0	0.00	0.0	326.8	326.8	0.00	618.80
530.0	0.00	0.0	326.8	326.8	0.00	618.80
540.0	0.00	0.0	326.8	326.8	0.00	618.80
550.0	0.00	0.0	326.8	326.8	0.00	618.80
560.0	0.00	0.0	326.8	326.8	0.00	618.80
570.0	0.00	0.0	326.8	326.8	0.00	618.80
580.0	0.00	0.0	326.8	326.8	0.00	618.80
590.0	0.00	0.0	326.8	326.8	0.00	618.80
600.0	0.00	0.0	326.8	326.8	0.00	618.80
610.0	0.00	0.0	326.8	326.8	0.00	618.80
620.0	0.00	0.0	326.8	326.8	0.00	618.80
630.0	0.00	0.0	326.8	326.8	0.00	618.80
640.0	0.00	0.0	326.8	326.8	0.00	618.80
650.0	0.00	0.0	326.8	326.8	0.00	618.80
660.0	0.00	0.0	326.8	326.8	0.00	618.80
670.0	0.00	0.0	326.8	326.8	0.00	618.80
680.0	0.00	0.0	326.8	326.8	0.00	618.80
690.0	0.00	0.0	326.8	326.8	0.00	618.80
700.0	0.00	0.0	326.8	326.8	0.00	618.80
710.0	0.00	0.0	326.8	326.8	0.00	618.80
720.0	0.00	0.0	326.8	326.8	0.00	618.80
730.0	0.00	0.0	326.8	326.8	0.00	618.80
740.0	0.00	0.0	326.8	326.8	0.00	618.80
750.0	0.00	0.0	326.8	326.8	0.00	618.80
760.0	0.00	0.0	326.8	326.8	0.00	618.80
770.0	0.00	0.0	326.8	326.8	0.00	618.80
780.0	0.00	0.0	326.8	326.8	0.00	618.80
790.0	0.00	0.0	326.8	326.8	0.00	618.80
800.0	0.00	0.0	326.8	326.8	0.00	618.80
810.0	0.00	0.0	326.8	326.8	0.00	618.80
820.0	0.00	0.0	326.8	326.8	0.00	618.80
830.0	0.00	0.0	326.8	326.8	0.00	618.80
840.0	0.00	0.0	326.8	326.8	0.00	618.80
850.0	0.00	0.0	326.8	326.8	0.00	618.80
860.0	0.00	0.0	326.8	326.8	0.00	618.80
870.0	0.00	0.0	326.8	326.8	0.00	618.80
880.0	0.00	0.0	326.8	326.8	0.00	618.80
890.0	0.00	0.0	326.8	326.8	0.00	618.80
900.0	0.00	0.0	326.8	326.8	0.00	618.80

ond File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	326.8	326.8	0.00	618.80
920.0	0.00	0.0	326.8	326.8	0.00	618.80
930.0	0.00	0.0	326.8	326.8	0.00	618.80
940.0	0.00	0.0	326.8	326.8	0.00	618.80
950.0	0.00	0.0	326.8	326.8	0.00	618.80
960.0	0.00	0.0	326.8	326.8	0.00	618.80
970.0	0.00	0.0	326.8	326.8	0.00	618.80
980.0	0.00	0.0	326.8	326.8	0.00	618.80
990.0	0.00	0.0	326.8	326.8	0.00	618.80
1000.0	0.00	0.0	326.8	326.8	0.00	618.80
1010.0	0.00	0.0	326.8	326.8	0.00	618.80
1020.0	0.00	0.0	326.8	326.8	0.00	618.80
1030.0	0.00	0.0	326.8	326.8	0.00	618.80
1040.0	0.00	0.0	326.8	326.8	0.00	618.80
1050.0	0.00	0.0	326.8	326.8	0.00	618.80
1060.0	0.00	0.0	326.8	326.8	0.00	618.80
1070.0	0.00	0.0	326.8	326.8	0.00	618.80
1080.0	0.00	0.0	326.8	326.8	0.00	618.80
1090.0	0.00	0.0	326.8	326.8	0.00	618.80
1100.0	0.00	0.0	326.8	326.8	0.00	618.80
1110.0	0.00	0.0	326.8	326.8	0.00	618.80
1120.0	0.00	0.0	326.8	326.8	0.00	618.80
1130.0	0.00	0.0	326.8	326.8	0.00	618.80
1140.0	0.00	0.0	326.8	326.8	0.00	618.80
1150.0	0.00	0.0	326.8	326.8	0.00	618.80
1160.0	0.00	0.0	326.8	326.8	0.00	618.80
1170.0	0.00	0.0	326.8	326.8	0.00	618.80
1180.0	0.00	0.0	326.8	326.8	0.00	618.80
1190.0	0.00	0.0	326.8	326.8	0.00	618.80
1200.0	0.00	0.0	326.8	326.8	0.00	618.80
1210.0	0.00	0.0	326.8	326.8	0.00	618.80
1220.0	0.00	0.0	326.8	326.8	0.00	618.80
1230.0	0.00	0.0	326.8	326.8	0.00	618.80
1240.0	0.00	0.0	326.8	326.8	0.00	618.80
1250.0	0.00	0.0	326.8	326.8	0.00	618.80
1260.0	0.00	0.0	326.8	326.8	0.00	618.80
1270.0	0.00	0.0	326.8	326.8	0.00	618.80
1280.0	0.00	0.0	326.8	326.8	0.00	618.80
1290.0	0.00	0.0	326.8	326.8	0.00	618.80
1300.0	0.00	0.0	326.8	326.8	0.00	618.80
1310.0	0.00	0.0	326.8	326.8	0.00	618.80
1320.0	0.00	0.0	326.8	326.8	0.00	618.80
1330.0	0.00	0.0	326.8	326.8	0.00	618.80
1340.0	0.00	0.0	326.8	326.8	0.00	618.80
1350.0	0.00	0.0	326.8	326.8	0.00	618.80
1360.0	0.00	0.0	326.8	326.8	0.00	618.80

ond File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	326.8	326.8	0.00	618.80
1380.0	0.00	0.0	326.8	326.8	0.00	618.80
1390.0	0.00	0.0	326.8	326.8	0.00	618.80
1400.0	0.00	0.0	326.8	326.8	0.00	618.80
1410.0	0.00	0.0	326.8	326.8	0.00	618.80
1420.0	0.00	0.0	326.8	326.8	0.00	618.80
1430.0	0.00	0.0	326.8	326.8	0.00	618.80
1440.0	0.00	0.0	326.8	326.8	0.00	618.80
1450.0	0.00	0.0	326.8	326.8	0.00	618.80
1460.0	0.00	0.0	326.8	326.8	0.00	618.80
1470.0	0.00	0.0	326.8	326.8	0.00	618.80
1480.0	0.00	0.0	326.8	326.8	0.00	618.80
1490.0	0.00	0.0	326.8	326.8	0.00	618.80
1500.0	0.00	0.0	326.8	326.8	0.00	618.80
1510.0	0.00	0.0	326.8	326.8	0.00	618.80
1520.0	0.00	0.0	326.8	326.8	0.00	618.80
1530.0	0.00	0.0	326.8	326.8	0.00	618.80
1540.0	0.00	0.0	326.8	326.8	0.00	618.80
1550.0	0.00	0.0	326.8	326.8	0.00	618.80
1560.0	0.00	0.0	326.8	326.8	0.00	618.80
1570.0	0.00	0.0	326.8	326.8	0.00	618.80
1580.0	0.00	0.0	326.8	326.8	0.00	618.80
1590.0	0.00	0.0	326.8	326.8	0.00	618.80
1600.0	0.00	0.0	326.8	326.8	0.00	618.80
1610.0	0.00	0.0	326.8	326.8	0.00	618.80
1620.0	0.00	0.0	326.8	326.8	0.00	618.80
1630.0	0.00	0.0	326.8	326.8	0.00	618.80
1640.0	0.00	0.0	326.8	326.8	0.00	618.80
1650.0	0.00	0.0	326.8	326.8	0.00	618.80
1660.0	0.00	0.0	326.8	326.8	0.00	618.80
1670.0	0.00	0.0	326.8	326.8	0.00	618.80
1680.0	0.00	0.0	326.8	326.8	0.00	618.80
1690.0	0.00	0.0	326.8	326.8	0.00	618.80
1700.0	0.00	0.0	326.8	326.8	0.00	618.80
1710.0	0.00	0.0	326.8	326.8	0.00	618.80
1720.0	0.00	0.0	326.8	326.8	0.00	618.80
1730.0	0.00	0.0	326.8	326.8	0.00	618.80
1740.0	0.00	0.0	326.8	326.8	0.00	618.80
1750.0	0.00	0.0	326.8	326.8	0.00	618.80
1760.0	0.00	0.0	326.8	326.8	0.00	618.80
1770.0	0.00	0.0	326.8	326.8	0.00	618.80
1780.0	0.00	0.0	326.8	326.8	0.00	618.80
1790.0	0.00	0.0	326.8	326.8	0.00	618.80
1800.0	0.00	0.0	326.8	326.8	0.00	618.80
1810.0	0.00	0.0	326.8	326.8	0.00	618.80
1820.0	0.00	0.0	326.8	326.8	0.00	618.80

and File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	326.8	326.8	0.00	618.80
1840.0	0.00	0.0	326.8	326.8	0.00	618.80
1850.0	0.00	0.0	326.8	326.8	0.00	618.80
1860.0	0.00	0.0	326.8	326.8	0.00	618.80
1870.0	0.00	0.0	326.8	326.8	0.00	618.80
1880.0	0.00	0.0	326.8	326.8	0.00	618.80
1890.0	0.00	0.0	326.8	326.8	0.00	618.80
1900.0	0.00	0.0	326.8	326.8	0.00	618.80
1910.0	0.00	0.0	326.8	326.8	0.00	618.80
1920.0	0.00	0.0	326.8	326.8	0.00	618.80
1930.0	0.00	0.0	326.8	326.8	0.00	618.80
1940.0	0.00	0.0	326.8	326.8	0.00	618.80
1950.0	0.00	0.0	326.8	326.8	0.00	618.80
1960.0	0.00	0.0	326.8	326.8	0.00	618.80
1970.0	0.00	0.0	326.8	326.8	0.00	618.80
1980.0	0.00	0.0	326.8	326.8	0.00	618.80
1990.0	0.00	0.0	326.8	326.8	0.00	618.80
2000.0	0.00	0.0	326.8	326.8	0.00	618.80
2010.0	0.00	0.0	326.8	326.8	0.00	618.80
2020.0	0.00	0.0	326.8	326.8	0.00	618.80
2030.0	0.00	0.0	326.8	326.8	0.00	618.80
2040.0	0.00	0.0	326.8	326.8	0.00	618.80
2050.0	0.00	0.0	326.8	326.8	0.00	618.80
2060.0	0.00	0.0	326.8	326.8	0.00	618.80
2070.0	0.00	0.0	326.8	326.8	0.00	618.80
2080.0	0.00	0.0	326.8	326.8	0.00	618.80
2090.0	0.00	0.0	326.8	326.8	0.00	618.80
2100.0	0.00	0.0	326.8	326.8	0.00	618.80
2110.0	0.00	0.0	326.8	326.8	0.00	618.80
2120.0	0.00	0.0	326.8	326.8	0.00	618.80
2130.0	0.00	0.0	326.8	326.8	0.00	618.80
2140.0	0.00	0.0	326.8	326.8	0.00	618.80
2150.0	0.00	0.0	326.8	326.8	0.00	618.80
2160.0	0.00	0.0	326.8	326.8	0.00	618.80
2170.0	0.00	0.0	326.8	326.8	0.00	618.80
2180.0	0.00	0.0	326.8	326.8	0.00	618.80
2190.0	0.00	0.0	326.8	326.8	0.00	618.80
2200.0	0.00	0.0	326.8	326.8	0.00	618.80
2210.0	0.00	0.0	326.8	326.8	0.00	618.80
2220.0	0.00	0.0	326.8	326.8	0.00	618.80
2230.0	0.00	0.0	326.8	326.8	0.00	618.80
2240.0	0.00	0.0	326.8	326.8	0.00	618.80
2250.0	0.00	0.0	326.8	326.8	0.00	618.80
2260.0	0.00	0.0	326.8	326.8	0.00	618.80
2270.0	0.00	0.0	326.8	326.8	0.00	618.80
2280.0	0.00	0.0	326.8	326.8	0.00	618.80

and File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	326.8	326.8	0.00	618.80
2300.0	0.00	0.0	326.8	326.8	0.00	618.80
2310.0	0.00	0.0	326.8	326.8	0.00	618.80
2320.0	0.00	0.0	326.8	326.8	0.00	618.80
2330.0	0.00	0.0	326.8	326.8	0.00	618.80
2340.0	0.00	0.0	326.8	326.8	0.00	618.80
2350.0	0.00	0.0	326.8	326.8	0.00	618.80
2360.0	0.00	0.0	326.8	326.8	0.00	618.80
2370.0	0.00	0.0	326.8	326.8	0.00	618.80
2380.0	0.00	0.0	326.8	326.8	0.00	618.80
2390.0	0.00	0.0	326.8	326.8	0.00	618.80
2400.0	0.00	0.0	326.8	326.8	0.00	618.80
2410.0	0.00	0.0	326.8	326.8	0.00	618.80
2420.0	0.00	0.0	326.8	326.8	0.00	618.80
2430.0	0.00	0.0	326.8	326.8	0.00	618.80
2440.0	0.00	0.0	326.8	326.8	0.00	618.80
2450.0	0.00	0.0	326.8	326.8	0.00	618.80
2460.0	0.00	0.0	326.8	326.8	0.00	618.80
2470.0	0.00	0.0	326.8	326.8	0.00	618.80
2480.0	0.00	0.0	326.8	326.8	0.00	618.80
2490.0	0.00	0.0	326.8	326.8	0.00	618.80
2500.0	0.00	0.0	326.8	326.8	0.00	618.80
2510.0	0.00	0.0	326.8	326.8	0.00	618.80
2520.0	0.00	0.0	326.8	326.8	0.00	618.80
2530.0	0.00	0.0	326.8	326.8	0.00	618.80
2540.0	0.00	0.0	326.8	326.8	0.00	618.80
2550.0	0.00	0.0	326.8	326.8	0.00	618.80
2560.0	0.00	0.0	326.8	326.8	0.00	618.80
2570.0	0.00	0.0	326.8	326.8	0.00	618.80
2580.0	0.00	0.0	326.8	326.8	0.00	618.80
2590.0	0.00	0.0	326.8	326.8	0.00	618.80
2600.0	0.00	0.0	326.8	326.8	0.00	618.80
2610.0	0.00	0.0	326.8	326.8	0.00	618.80
2620.0	0.00	0.0	326.8	326.8	0.00	618.80
2630.0	0.00	0.0	326.8	326.8	0.00	618.80
2640.0	0.00	0.0	326.8	326.8	0.00	618.80
2650.0	0.00	0.0	326.8	326.8	0.00	618.80
2660.0	0.00	0.0	326.8	326.8	0.00	618.80
2670.0	0.00	0.0	326.8	326.8	0.00	618.80
2680.0	0.00	0.0	326.8	326.8	0.00	618.80
2690.0	0.00	0.0	326.8	326.8	0.00	618.80
2700.0	0.00	0.0	326.8	326.8	0.00	618.80
2710.0	0.00	0.0	326.8	326.8	0.00	618.80
2720.0	0.00	0.0	326.8	326.8	0.00	618.80
2730.0	0.00	0.0	326.8	326.8	0.00	618.80
2740.0	0.00	0.0	326.8	326.8	0.00	618.80

ond File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\15B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B315BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	326.8	326.8	0.00	618.80
2760.0	0.00	0.0	326.8	326.8	0.00	618.80
2770.0	0.00	0.0	326.8	326.8	0.00	618.80
2780.0	0.00	0.0	326.8	326.8	0.00	618.80
2790.0	0.00	0.0	326.8	326.8	0.00	618.80
2800.0	0.00	0.0	326.8	326.8	0.00	618.80
2810.0	0.00	0.0	326.8	326.8	0.00	618.80
2820.0	0.00	0.0	326.8	326.8	0.00	618.80
2830.0	0.00	0.0	326.8	326.8	0.00	618.80
2840.0	0.00	0.0	326.8	326.8	0.00	618.80
2850.0	0.00	0.0	326.8	326.8	0.00	618.80
2860.0	0.00	0.0	326.8	326.8	0.00	618.80
2870.0	0.00	0.0	326.8	326.8	0.00	618.80
2880.0	0.00	0.0	326.8	326.8	0.00	618.80
2890.0	0.00	0.0	326.8	326.8	0.00	618.80
2900.0	0.00	0.0	326.8	326.8	0.00	618.80
2910.0	0.00	0.0	326.8	326.8	0.00	618.80
2920.0	0.00	0.0	326.8	326.8	0.00	618.80
2930.0	0.00	0.0	326.8	326.8	0.00	618.80
2940.0	0.00	0.0	326.8	326.8	0.00	618.80
2950.0	0.00	0.0	326.8	326.8	0.00	618.80
2960.0	0.00	0.0	326.8	326.8	0.00	618.80
2970.0	0.00	0.0	326.8	326.8	0.00	618.80
2980.0	0.00	0.0	326.8	326.8	0.00	618.80
2990.0	0.00	0.0	326.8	326.8	0.00	618.80
3000.0	0.00	0.0	326.8	326.8	0.00	618.80

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN3BL.PND
Inflow Hydrograph: J:\data\0203043\15B3 .HYD
Outflow Hydrograph: J:\data\0203043\B315BL .HYD

Starting Pond W.S. Elevation = 618.80 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow	=	61.71 cfs
Peak Outflow	=	35.12 cfs
Peak Elevation	=	619.47 ft

***** Summary of Approximate Peak Storage *****

Initial Storage	=	98,027 cu-ft
Peak Storage From Storm	=	39,432 cu-ft

Total Storage in Pond	=	137,459 cu-ft

```

*****
*
*          BRIARCHASE          *
*   DETENTION BASIN #3   *
*   BLOCKED LOW FLOW     *
*
*
*
*****
  
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Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Rating Table file: J:\data\0203043\BASIN3BL.PND

----INITIAL CONDITIONS----

Elevation = 618.80 ft
 Outflow = 0.00 cfs
 Storage = 98,027 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
618.80	0.0	98,027	326.8	326.8
619.00	5.6	109,575	365.3	370.9
619.20	15.9	121,256	404.2	420.1
619.40	29.3	133,062	443.5	472.8
619.60	45.1	145,004	483.3	528.4
619.80	63.0	157,076	523.6	586.6
620.00	85.4	169,282	564.3	649.7
620.20	98.6	181,630	605.4	704.0
620.40	110.3	194,126	647.1	757.4
620.60	120.8	206,779	689.3	810.1
620.80	130.5	219,587	732.0	862.5
621.00	139.5	232,550	775.2	914.7

Time increment (t) = 10.0 min.

and File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	326.8	326.8	0.00	618.80
10.0	76.11	76.1	378.3	402.9	12.30	619.13
20.0	76.11	152.2	439.0	530.5	45.73	619.61
30.0	0.00	76.1	432.5	515.1	41.32	619.55
40.0	0.00	0.0	394.4	432.5	19.05	619.25
50.0	0.00	0.0	373.3	394.4	10.53	619.10
60.0	0.00	0.0	361.1	373.3	6.12	619.01
70.0	0.00	0.0	352.4	361.1	4.36	618.96
80.0	0.00	0.0	345.9	352.4	3.25	618.92
90.0	0.00	0.0	341.0	345.9	2.43	618.89
100.0	0.00	0.0	337.4	341.0	1.81	618.86
110.0	0.00	0.0	334.7	337.4	1.35	618.85
120.0	0.00	0.0	332.7	334.7	1.01	618.84
130.0	0.00	0.0	331.2	332.7	0.75	618.83
140.0	0.00	0.0	330.0	331.2	0.56	618.82
150.0	0.00	0.0	329.2	330.0	0.42	618.81
160.0	0.00	0.0	328.6	329.2	0.31	618.81
170.0	0.00	0.0	328.1	328.6	0.23	618.81
180.0	0.00	0.0	327.8	328.1	0.17	618.81
190.0	0.00	0.0	327.5	327.8	0.13	618.80
200.0	0.00	0.0	327.3	327.5	0.10	618.80
210.0	0.00	0.0	327.2	327.3	0.07	618.80
220.0	0.00	0.0	327.1	327.2	0.05	618.80
230.0	0.00	0.0	327.0	327.1	0.04	618.80
240.0	0.00	0.0	326.9	327.0	0.03	618.80
250.0	0.00	0.0	326.9	326.9	0.02	618.80
260.0	0.00	0.0	326.9	326.9	0.02	618.80
270.0	0.00	0.0	326.8	326.9	0.01	618.80
280.0	0.00	0.0	326.8	326.8	0.01	618.80
290.0	0.00	0.0	326.8	326.8	0.01	618.80
300.0	0.00	0.0	326.8	326.8	0.01	618.80
310.0	0.00	0.0	326.8	326.8	0.00	618.80
320.0	0.00	0.0	326.8	326.8	0.00	618.80
330.0	0.00	0.0	326.8	326.8	0.00	618.80
340.0	0.00	0.0	326.8	326.8	0.00	618.80
350.0	0.00	0.0	326.8	326.8	0.00	618.80
360.0	0.00	0.0	326.8	326.8	0.00	618.80
370.0	0.00	0.0	326.8	326.8	0.00	618.80
380.0	0.00	0.0	326.8	326.8	0.00	618.80
390.0	0.00	0.0	326.8	326.8	0.00	618.80
400.0	0.00	0.0	326.8	326.8	0.00	618.80
410.0	0.00	0.0	326.8	326.8	0.00	618.80
420.0	0.00	0.0	326.8	326.8	0.00	618.80
430.0	0.00	0.0	326.8	326.8	0.00	618.80
440.0	0.00	0.0	326.8	326.8	0.00	618.80

nd File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	326.8	326.8	0.00	618.80
460.0	0.00	0.0	326.8	326.8	0.00	618.80
470.0	0.00	0.0	326.8	326.8	0.00	618.80
480.0	0.00	0.0	326.8	326.8	0.00	618.80
490.0	0.00	0.0	326.8	326.8	0.00	618.80
500.0	0.00	0.0	326.8	326.8	0.00	618.80
510.0	0.00	0.0	326.8	326.8	0.00	618.80
520.0	0.00	0.0	326.8	326.8	0.00	618.80
530.0	0.00	0.0	326.8	326.8	0.00	618.80
540.0	0.00	0.0	326.8	326.8	0.00	618.80
550.0	0.00	0.0	326.8	326.8	0.00	618.80
560.0	0.00	0.0	326.8	326.8	0.00	618.80
570.0	0.00	0.0	326.8	326.8	0.00	618.80
580.0	0.00	0.0	326.8	326.8	0.00	618.80
590.0	0.00	0.0	326.8	326.8	0.00	618.80
600.0	0.00	0.0	326.8	326.8	0.00	618.80
610.0	0.00	0.0	326.8	326.8	0.00	618.80
620.0	0.00	0.0	326.8	326.8	0.00	618.80
630.0	0.00	0.0	326.8	326.8	0.00	618.80
640.0	0.00	0.0	326.8	326.8	0.00	618.80
650.0	0.00	0.0	326.8	326.8	0.00	618.80
660.0	0.00	0.0	326.8	326.8	0.00	618.80
670.0	0.00	0.0	326.8	326.8	0.00	618.80
680.0	0.00	0.0	326.8	326.8	0.00	618.80
690.0	0.00	0.0	326.8	326.8	0.00	618.80
700.0	0.00	0.0	326.8	326.8	0.00	618.80
710.0	0.00	0.0	326.8	326.8	0.00	618.80
720.0	0.00	0.0	326.8	326.8	0.00	618.80
730.0	0.00	0.0	326.8	326.8	0.00	618.80
740.0	0.00	0.0	326.8	326.8	0.00	618.80
750.0	0.00	0.0	326.8	326.8	0.00	618.80
760.0	0.00	0.0	326.8	326.8	0.00	618.80
770.0	0.00	0.0	326.8	326.8	0.00	618.80
780.0	0.00	0.0	326.8	326.8	0.00	618.80
790.0	0.00	0.0	326.8	326.8	0.00	618.80
800.0	0.00	0.0	326.8	326.8	0.00	618.80
810.0	0.00	0.0	326.8	326.8	0.00	618.80
820.0	0.00	0.0	326.8	326.8	0.00	618.80
830.0	0.00	0.0	326.8	326.8	0.00	618.80
840.0	0.00	0.0	326.8	326.8	0.00	618.80
850.0	0.00	0.0	326.8	326.8	0.00	618.80
860.0	0.00	0.0	326.8	326.8	0.00	618.80
870.0	0.00	0.0	326.8	326.8	0.00	618.80
880.0	0.00	0.0	326.8	326.8	0.00	618.80
890.0	0.00	0.0	326.8	326.8	0.00	618.80
900.0	0.00	0.0	326.8	326.8	0.00	618.80

nd File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	326.8	326.8	0.00	618.80
920.0	0.00	0.0	326.8	326.8	0.00	618.80
930.0	0.00	0.0	326.8	326.8	0.00	618.80
940.0	0.00	0.0	326.8	326.8	0.00	618.80
950.0	0.00	0.0	326.8	326.8	0.00	618.80
960.0	0.00	0.0	326.8	326.8	0.00	618.80
970.0	0.00	0.0	326.8	326.8	0.00	618.80
980.0	0.00	0.0	326.8	326.8	0.00	618.80
990.0	0.00	0.0	326.8	326.8	0.00	618.80
1000.0	0.00	0.0	326.8	326.8	0.00	618.80
1010.0	0.00	0.0	326.8	326.8	0.00	618.80
1020.0	0.00	0.0	326.8	326.8	0.00	618.80
1030.0	0.00	0.0	326.8	326.8	0.00	618.80
1040.0	0.00	0.0	326.8	326.8	0.00	618.80
1050.0	0.00	0.0	326.8	326.8	0.00	618.80
1060.0	0.00	0.0	326.8	326.8	0.00	618.80
1070.0	0.00	0.0	326.8	326.8	0.00	618.80
1080.0	0.00	0.0	326.8	326.8	0.00	618.80
1090.0	0.00	0.0	326.8	326.8	0.00	618.80
1100.0	0.00	0.0	326.8	326.8	0.00	618.80
1110.0	0.00	0.0	326.8	326.8	0.00	618.80
1120.0	0.00	0.0	326.8	326.8	0.00	618.80
1130.0	0.00	0.0	326.8	326.8	0.00	618.80
1140.0	0.00	0.0	326.8	326.8	0.00	618.80
1150.0	0.00	0.0	326.8	326.8	0.00	618.80
1160.0	0.00	0.0	326.8	326.8	0.00	618.80
1170.0	0.00	0.0	326.8	326.8	0.00	618.80
1180.0	0.00	0.0	326.8	326.8	0.00	618.80
1190.0	0.00	0.0	326.8	326.8	0.00	618.80
1200.0	0.00	0.0	326.8	326.8	0.00	618.80
1210.0	0.00	0.0	326.8	326.8	0.00	618.80
1220.0	0.00	0.0	326.8	326.8	0.00	618.80
1230.0	0.00	0.0	326.8	326.8	0.00	618.80
1240.0	0.00	0.0	326.8	326.8	0.00	618.80
1250.0	0.00	0.0	326.8	326.8	0.00	618.80
1260.0	0.00	0.0	326.8	326.8	0.00	618.80
1270.0	0.00	0.0	326.8	326.8	0.00	618.80
1280.0	0.00	0.0	326.8	326.8	0.00	618.80
1290.0	0.00	0.0	326.8	326.8	0.00	618.80
1300.0	0.00	0.0	326.8	326.8	0.00	618.80
1310.0	0.00	0.0	326.8	326.8	0.00	618.80
1320.0	0.00	0.0	326.8	326.8	0.00	618.80
1330.0	0.00	0.0	326.8	326.8	0.00	618.80
1340.0	0.00	0.0	326.8	326.8	0.00	618.80
1350.0	0.00	0.0	326.8	326.8	0.00	618.80
1360.0	0.00	0.0	326.8	326.8	0.00	618.80

nd File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	326.8	326.8	0.00	618.80
1380.0	0.00	0.0	326.8	326.8	0.00	618.80
1390.0	0.00	0.0	326.8	326.8	0.00	618.80
1400.0	0.00	0.0	326.8	326.8	0.00	618.80
1410.0	0.00	0.0	326.8	326.8	0.00	618.80
1420.0	0.00	0.0	326.8	326.8	0.00	618.80
1430.0	0.00	0.0	326.8	326.8	0.00	618.80
1440.0	0.00	0.0	326.8	326.8	0.00	618.80
1450.0	0.00	0.0	326.8	326.8	0.00	618.80
1460.0	0.00	0.0	326.8	326.8	0.00	618.80
1470.0	0.00	0.0	326.8	326.8	0.00	618.80
1480.0	0.00	0.0	326.8	326.8	0.00	618.80
1490.0	0.00	0.0	326.8	326.8	0.00	618.80
1500.0	0.00	0.0	326.8	326.8	0.00	618.80
1510.0	0.00	0.0	326.8	326.8	0.00	618.80
1520.0	0.00	0.0	326.8	326.8	0.00	618.80
1530.0	0.00	0.0	326.8	326.8	0.00	618.80
1540.0	0.00	0.0	326.8	326.8	0.00	618.80
1550.0	0.00	0.0	326.8	326.8	0.00	618.80
1560.0	0.00	0.0	326.8	326.8	0.00	618.80
1570.0	0.00	0.0	326.8	326.8	0.00	618.80
1580.0	0.00	0.0	326.8	326.8	0.00	618.80
1590.0	0.00	0.0	326.8	326.8	0.00	618.80
1600.0	0.00	0.0	326.8	326.8	0.00	618.80
1610.0	0.00	0.0	326.8	326.8	0.00	618.80
1620.0	0.00	0.0	326.8	326.8	0.00	618.80
1630.0	0.00	0.0	326.8	326.8	0.00	618.80
1640.0	0.00	0.0	326.8	326.8	0.00	618.80
1650.0	0.00	0.0	326.8	326.8	0.00	618.80
1660.0	0.00	0.0	326.8	326.8	0.00	618.80
1670.0	0.00	0.0	326.8	326.8	0.00	618.80
1680.0	0.00	0.0	326.8	326.8	0.00	618.80
1690.0	0.00	0.0	326.8	326.8	0.00	618.80
1700.0	0.00	0.0	326.8	326.8	0.00	618.80
1710.0	0.00	0.0	326.8	326.8	0.00	618.80
1720.0	0.00	0.0	326.8	326.8	0.00	618.80
1730.0	0.00	0.0	326.8	326.8	0.00	618.80
1740.0	0.00	0.0	326.8	326.8	0.00	618.80
1750.0	0.00	0.0	326.8	326.8	0.00	618.80
1760.0	0.00	0.0	326.8	326.8	0.00	618.80
1770.0	0.00	0.0	326.8	326.8	0.00	618.80
1780.0	0.00	0.0	326.8	326.8	0.00	618.80
1790.0	0.00	0.0	326.8	326.8	0.00	618.80
1800.0	0.00	0.0	326.8	326.8	0.00	618.80
1810.0	0.00	0.0	326.8	326.8	0.00	618.80
1820.0	0.00	0.0	326.8	326.8	0.00	618.80

ond File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	326.8	326.8	0.00	618.80
1840.0	0.00	0.0	326.8	326.8	0.00	618.80
1850.0	0.00	0.0	326.8	326.8	0.00	618.80
1860.0	0.00	0.0	326.8	326.8	0.00	618.80
1870.0	0.00	0.0	326.8	326.8	0.00	618.80
1880.0	0.00	0.0	326.8	326.8	0.00	618.80
1890.0	0.00	0.0	326.8	326.8	0.00	618.80
1900.0	0.00	0.0	326.8	326.8	0.00	618.80
1910.0	0.00	0.0	326.8	326.8	0.00	618.80
1920.0	0.00	0.0	326.8	326.8	0.00	618.80
1930.0	0.00	0.0	326.8	326.8	0.00	618.80
1940.0	0.00	0.0	326.8	326.8	0.00	618.80
1950.0	0.00	0.0	326.8	326.8	0.00	618.80
1960.0	0.00	0.0	326.8	326.8	0.00	618.80
1970.0	0.00	0.0	326.8	326.8	0.00	618.80
1980.0	0.00	0.0	326.8	326.8	0.00	618.80
1990.0	0.00	0.0	326.8	326.8	0.00	618.80
2000.0	0.00	0.0	326.8	326.8	0.00	618.80
2010.0	0.00	0.0	326.8	326.8	0.00	618.80
2020.0	0.00	0.0	326.8	326.8	0.00	618.80
2030.0	0.00	0.0	326.8	326.8	0.00	618.80
2040.0	0.00	0.0	326.8	326.8	0.00	618.80
2050.0	0.00	0.0	326.8	326.8	0.00	618.80
2060.0	0.00	0.0	326.8	326.8	0.00	618.80
2070.0	0.00	0.0	326.8	326.8	0.00	618.80
2080.0	0.00	0.0	326.8	326.8	0.00	618.80
2090.0	0.00	0.0	326.8	326.8	0.00	618.80
2100.0	0.00	0.0	326.8	326.8	0.00	618.80
2110.0	0.00	0.0	326.8	326.8	0.00	618.80
2120.0	0.00	0.0	326.8	326.8	0.00	618.80
2130.0	0.00	0.0	326.8	326.8	0.00	618.80
2140.0	0.00	0.0	326.8	326.8	0.00	618.80
2150.0	0.00	0.0	326.8	326.8	0.00	618.80
2160.0	0.00	0.0	326.8	326.8	0.00	618.80
2170.0	0.00	0.0	326.8	326.8	0.00	618.80
2180.0	0.00	0.0	326.8	326.8	0.00	618.80
2190.0	0.00	0.0	326.8	326.8	0.00	618.80
2200.0	0.00	0.0	326.8	326.8	0.00	618.80
2210.0	0.00	0.0	326.8	326.8	0.00	618.80
2220.0	0.00	0.0	326.8	326.8	0.00	618.80
2230.0	0.00	0.0	326.8	326.8	0.00	618.80
2240.0	0.00	0.0	326.8	326.8	0.00	618.80
2250.0	0.00	0.0	326.8	326.8	0.00	618.80
2260.0	0.00	0.0	326.8	326.8	0.00	618.80
2270.0	0.00	0.0	326.8	326.8	0.00	618.80
2280.0	0.00	0.0	326.8	326.8	0.00	618.80

and File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2290.0	0.00	0.0	326.8	326.8	0.00	618.80
2300.0	0.00	0.0	326.8	326.8	0.00	618.80
2310.0	0.00	0.0	326.8	326.8	0.00	618.80
2320.0	0.00	0.0	326.8	326.8	0.00	618.80
2330.0	0.00	0.0	326.8	326.8	0.00	618.80
2340.0	0.00	0.0	326.8	326.8	0.00	618.80
2350.0	0.00	0.0	326.8	326.8	0.00	618.80
2360.0	0.00	0.0	326.8	326.8	0.00	618.80
2370.0	0.00	0.0	326.8	326.8	0.00	618.80
2380.0	0.00	0.0	326.8	326.8	0.00	618.80
2390.0	0.00	0.0	326.8	326.8	0.00	618.80
2400.0	0.00	0.0	326.8	326.8	0.00	618.80
2410.0	0.00	0.0	326.8	326.8	0.00	618.80
2420.0	0.00	0.0	326.8	326.8	0.00	618.80
2430.0	0.00	0.0	326.8	326.8	0.00	618.80
2440.0	0.00	0.0	326.8	326.8	0.00	618.80
2450.0	0.00	0.0	326.8	326.8	0.00	618.80
2460.0	0.00	0.0	326.8	326.8	0.00	618.80
2470.0	0.00	0.0	326.8	326.8	0.00	618.80
2480.0	0.00	0.0	326.8	326.8	0.00	618.80
2490.0	0.00	0.0	326.8	326.8	0.00	618.80
2500.0	0.00	0.0	326.8	326.8	0.00	618.80
2510.0	0.00	0.0	326.8	326.8	0.00	618.80
2520.0	0.00	0.0	326.8	326.8	0.00	618.80
2530.0	0.00	0.0	326.8	326.8	0.00	618.80
2540.0	0.00	0.0	326.8	326.8	0.00	618.80
2550.0	0.00	0.0	326.8	326.8	0.00	618.80
2560.0	0.00	0.0	326.8	326.8	0.00	618.80
2570.0	0.00	0.0	326.8	326.8	0.00	618.80
2580.0	0.00	0.0	326.8	326.8	0.00	618.80
2590.0	0.00	0.0	326.8	326.8	0.00	618.80
2600.0	0.00	0.0	326.8	326.8	0.00	618.80
2610.0	0.00	0.0	326.8	326.8	0.00	618.80
2620.0	0.00	0.0	326.8	326.8	0.00	618.80
2630.0	0.00	0.0	326.8	326.8	0.00	618.80
2640.0	0.00	0.0	326.8	326.8	0.00	618.80
2650.0	0.00	0.0	326.8	326.8	0.00	618.80
2660.0	0.00	0.0	326.8	326.8	0.00	618.80
2670.0	0.00	0.0	326.8	326.8	0.00	618.80
2680.0	0.00	0.0	326.8	326.8	0.00	618.80
2690.0	0.00	0.0	326.8	326.8	0.00	618.80
2700.0	0.00	0.0	326.8	326.8	0.00	618.80
2710.0	0.00	0.0	326.8	326.8	0.00	618.80
2720.0	0.00	0.0	326.8	326.8	0.00	618.80
2730.0	0.00	0.0	326.8	326.8	0.00	618.80
2740.0	0.00	0.0	326.8	326.8	0.00	618.80

and File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\25B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B325BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
2750.0	0.00	0.0	326.8	326.8	0.00	618.80
2760.0	0.00	0.0	326.8	326.8	0.00	618.80
2770.0	0.00	0.0	326.8	326.8	0.00	618.80
2780.0	0.00	0.0	326.8	326.8	0.00	618.80
2790.0	0.00	0.0	326.8	326.8	0.00	618.80
2800.0	0.00	0.0	326.8	326.8	0.00	618.80
2810.0	0.00	0.0	326.8	326.8	0.00	618.80
2820.0	0.00	0.0	326.8	326.8	0.00	618.80
2830.0	0.00	0.0	326.8	326.8	0.00	618.80
2840.0	0.00	0.0	326.8	326.8	0.00	618.80
2850.0	0.00	0.0	326.8	326.8	0.00	618.80
2860.0	0.00	0.0	326.8	326.8	0.00	618.80
2870.0	0.00	0.0	326.8	326.8	0.00	618.80
2880.0	0.00	0.0	326.8	326.8	0.00	618.80
2890.0	0.00	0.0	326.8	326.8	0.00	618.80
2900.0	0.00	0.0	326.8	326.8	0.00	618.80
2910.0	0.00	0.0	326.8	326.8	0.00	618.80
2920.0	0.00	0.0	326.8	326.8	0.00	618.80
2930.0	0.00	0.0	326.8	326.8	0.00	618.80
2940.0	0.00	0.0	326.8	326.8	0.00	618.80
2950.0	0.00	0.0	326.8	326.8	0.00	618.80
2960.0	0.00	0.0	326.8	326.8	0.00	618.80
2970.0	0.00	0.0	326.8	326.8	0.00	618.80
2980.0	0.00	0.0	326.8	326.8	0.00	618.80
2990.0	0.00	0.0	326.8	326.8	0.00	618.80
3000.0	0.00	0.0	326.8	326.8	0.00	618.80

***** SUMMARY OF ROUTING COMPUTATIONS *****

Pond File: J:\data\0203043\BASIN3BL.PND
Inflow Hydrograph: J:\data\0203043\25B3 .HYD
Outflow Hydrograph: J:\data\0203043\B325BL .HYD

Starting Pond W.S. Elevation = 618.80 ft

***** Summary of Peak Outflow and Peak Elevation *****

Peak Inflow = 76.11 cfs
Peak Outflow = 45.73 cfs
Peak Elevation = 619.61 ft

***** Summary of Approximate Peak Storage *****

Initial Storage = 98,027 cu-ft
Peak Storage From Storm = 47,403 cu-ft

Total Storage in Pond = 145,430 cu-ft

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*****
*
*          BRIARCHASE          *
*   DETENTION BASIN #3      *
*   BLOCKED LOW FLOW        *
*
*
*****
  
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Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Rating Table file: J:\data\0203043\BASIN3BL.PND

----INITIAL CONDITIONS----
 Elevation = 618.80 ft
 Outflow = 0.00 cfs
 Storage = 98,027 cu-ft

GIVEN POND DATA

INTERMEDIATE ROUTING
 COMPUTATIONS

ELEVATION (ft)	OUTFLOW (cfs)	STORAGE (cu-ft)	2S/t (cfs)	2S/t + 0 (cfs)
618.80	0.0	98,027	326.8	326.8
619.00	5.6	109,575	365.3	370.9
619.20	15.9	121,256	404.2	420.1
619.40	29.3	133,062	443.5	472.8
619.60	45.1	145,004	483.3	528.4
619.80	63.0	157,076	523.6	586.6
620.00	85.4	169,282	564.3	649.7
620.20	98.6	181,630	605.4	704.0
620.40	110.3	194,126	647.1	757.4
620.60	120.8	206,779	689.3	810.1
620.80	130.5	219,587	732.0	862.5
621.00	139.5	232,550	775.2	914.7

Time increment (t) = 10.0 min.

nd File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
0.0	0.00	-----	326.8	326.8	0.00	618.80
10.0	97.68	97.7	390.4	424.4	17.00	619.22
20.0	97.68	195.4	460.3	585.8	62.75	619.80
30.0	0.00	97.7	449.6	558.0	54.19	619.70
40.0	0.00	0.0	402.8	449.6	23.39	619.31
50.0	0.00	0.0	378.2	402.8	12.28	619.13
60.0	0.00	0.0	363.9	378.2	7.14	619.03
70.0	0.00	0.0	354.5	363.9	4.72	618.97
80.0	0.00	0.0	347.5	354.5	3.52	618.93
90.0	0.00	0.0	342.2	347.5	2.63	618.89
100.0	0.00	0.0	338.3	342.2	1.96	618.87
110.0	0.00	0.0	335.3	338.3	1.46	618.85
120.0	0.00	0.0	333.2	335.3	1.09	618.84
130.0	0.00	0.0	331.5	333.2	0.81	618.83
140.0	0.00	0.0	330.3	331.5	0.61	618.82
150.0	0.00	0.0	329.4	330.3	0.45	618.82
160.0	0.00	0.0	328.7	329.4	0.34	618.81
170.0	0.00	0.0	328.2	328.7	0.25	618.81
180.0	0.00	0.0	327.9	328.2	0.19	618.81
190.0	0.00	0.0	327.6	327.9	0.14	618.81
200.0	0.00	0.0	327.4	327.6	0.10	618.80
210.0	0.00	0.0	327.2	327.4	0.08	618.80
220.0	0.00	0.0	327.1	327.2	0.06	618.80
230.0	0.00	0.0	327.0	327.1	0.04	618.80
240.0	0.00	0.0	326.9	327.0	0.03	618.80
250.0	0.00	0.0	326.9	326.9	0.02	618.80
260.0	0.00	0.0	326.9	326.9	0.02	618.80
270.0	0.00	0.0	326.8	326.9	0.01	618.80
280.0	0.00	0.0	326.8	326.8	0.01	618.80
290.0	0.00	0.0	326.8	326.8	0.01	618.80
300.0	0.00	0.0	326.8	326.8	0.01	618.80
310.0	0.00	0.0	326.8	326.8	0.00	618.80
320.0	0.00	0.0	326.8	326.8	0.00	618.80
330.0	0.00	0.0	326.8	326.8	0.00	618.80
340.0	0.00	0.0	326.8	326.8	0.00	618.80
350.0	0.00	0.0	326.8	326.8	0.00	618.80
360.0	0.00	0.0	326.8	326.8	0.00	618.80
370.0	0.00	0.0	326.8	326.8	0.00	618.80
380.0	0.00	0.0	326.8	326.8	0.00	618.80
390.0	0.00	0.0	326.8	326.8	0.00	618.80
400.0	0.00	0.0	326.8	326.8	0.00	618.80
410.0	0.00	0.0	326.8	326.8	0.00	618.80
420.0	0.00	0.0	326.8	326.8	0.00	618.80
430.0	0.00	0.0	326.8	326.8	0.00	618.80
440.0	0.00	0.0	326.8	326.8	0.00	618.80

and File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
450.0	0.00	0.0	326.8	326.8	0.00	618.80
460.0	0.00	0.0	326.8	326.8	0.00	618.80
470.0	0.00	0.0	326.8	326.8	0.00	618.80
480.0	0.00	0.0	326.8	326.8	0.00	618.80
490.0	0.00	0.0	326.8	326.8	0.00	618.80
500.0	0.00	0.0	326.8	326.8	0.00	618.80
510.0	0.00	0.0	326.8	326.8	0.00	618.80
520.0	0.00	0.0	326.8	326.8	0.00	618.80
530.0	0.00	0.0	326.8	326.8	0.00	618.80
540.0	0.00	0.0	326.8	326.8	0.00	618.80
550.0	0.00	0.0	326.8	326.8	0.00	618.80
560.0	0.00	0.0	326.8	326.8	0.00	618.80
570.0	0.00	0.0	326.8	326.8	0.00	618.80
580.0	0.00	0.0	326.8	326.8	0.00	618.80
590.0	0.00	0.0	326.8	326.8	0.00	618.80
600.0	0.00	0.0	326.8	326.8	0.00	618.80
610.0	0.00	0.0	326.8	326.8	0.00	618.80
620.0	0.00	0.0	326.8	326.8	0.00	618.80
630.0	0.00	0.0	326.8	326.8	0.00	618.80
640.0	0.00	0.0	326.8	326.8	0.00	618.80
650.0	0.00	0.0	326.8	326.8	0.00	618.80
660.0	0.00	0.0	326.8	326.8	0.00	618.80
670.0	0.00	0.0	326.8	326.8	0.00	618.80
680.0	0.00	0.0	326.8	326.8	0.00	618.80
690.0	0.00	0.0	326.8	326.8	0.00	618.80
700.0	0.00	0.0	326.8	326.8	0.00	618.80
710.0	0.00	0.0	326.8	326.8	0.00	618.80
720.0	0.00	0.0	326.8	326.8	0.00	618.80
730.0	0.00	0.0	326.8	326.8	0.00	618.80
740.0	0.00	0.0	326.8	326.8	0.00	618.80
750.0	0.00	0.0	326.8	326.8	0.00	618.80
760.0	0.00	0.0	326.8	326.8	0.00	618.80
770.0	0.00	0.0	326.8	326.8	0.00	618.80
780.0	0.00	0.0	326.8	326.8	0.00	618.80
790.0	0.00	0.0	326.8	326.8	0.00	618.80
800.0	0.00	0.0	326.8	326.8	0.00	618.80
810.0	0.00	0.0	326.8	326.8	0.00	618.80
820.0	0.00	0.0	326.8	326.8	0.00	618.80
830.0	0.00	0.0	326.6	326.8	0.00	618.80
840.0	0.00	0.0	326.8	326.8	0.00	618.80
850.0	0.00	0.0	326.8	326.8	0.00	618.80
860.0	0.00	0.0	326.8	326.8	0.00	618.80
870.0	0.00	0.0	326.8	326.8	0.00	618.80
880.0	0.00	0.0	326.8	326.8	0.00	618.80
890.0	0.00	0.0	326.8	326.8	0.00	618.80
900.0	0.00	0.0	326.8	326.8	0.00	618.80

nd File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
910.0	0.00	0.0	326.8	326.8	0.00	618.80
920.0	0.00	0.0	326.8	326.8	0.00	618.80
930.0	0.00	0.0	326.8	326.8	0.00	618.80
940.0	0.00	0.0	326.8	326.8	0.00	618.80
950.0	0.00	0.0	326.8	326.8	0.00	618.80
960.0	0.00	0.0	326.8	326.8	0.00	618.80
970.0	0.00	0.0	326.8	326.8	0.00	618.80
980.0	0.00	0.0	326.8	326.8	0.00	618.80
990.0	0.00	0.0	326.8	326.8	0.00	618.80
1000.0	0.00	0.0	326.8	326.8	0.00	618.80
1010.0	0.00	0.0	326.8	326.8	0.00	618.80
1020.0	0.00	0.0	326.8	326.8	0.00	618.80
1030.0	0.00	0.0	326.8	326.8	0.00	618.80
1040.0	0.00	0.0	326.8	326.8	0.00	618.80
1050.0	0.00	0.0	326.8	326.8	0.00	618.80
1060.0	0.00	0.0	326.8	326.8	0.00	618.80
1070.0	0.00	0.0	326.8	326.8	0.00	618.80
1080.0	0.00	0.0	326.8	326.8	0.00	618.80
1090.0	0.00	0.0	326.8	326.8	0.00	618.80
1100.0	0.00	0.0	326.8	326.8	0.00	618.80
1110.0	0.00	0.0	326.8	326.8	0.00	618.80
1120.0	0.00	0.0	326.8	326.8	0.00	618.80
1130.0	0.00	0.0	326.8	326.8	0.00	618.80
1140.0	0.00	0.0	326.8	326.8	0.00	618.80
1150.0	0.00	0.0	326.8	326.8	0.00	618.80
1160.0	0.00	0.0	326.8	326.8	0.00	618.80
1170.0	0.00	0.0	326.8	326.8	0.00	618.80
1180.0	0.00	0.0	326.8	326.8	0.00	618.80
1190.0	0.00	0.0	326.8	326.8	0.00	618.80
1200.0	0.00	0.0	326.8	326.8	0.00	618.80
1210.0	0.00	0.0	326.8	326.8	0.00	618.80
1220.0	0.00	0.0	326.8	326.8	0.00	618.80
1230.0	0.00	0.0	326.8	326.8	0.00	618.80
1240.0	0.00	0.0	326.8	326.8	0.00	618.80
1250.0	0.00	0.0	326.8	326.8	0.00	618.80
1260.0	0.00	0.0	326.8	326.8	0.00	618.80
1270.0	0.00	0.0	326.8	326.8	0.00	618.80
1280.0	0.00	0.0	326.8	326.8	0.00	618.80
1290.0	0.00	0.0	326.8	326.8	0.00	618.80
1300.0	0.00	0.0	326.8	326.8	0.00	618.80
1310.0	0.00	0.0	326.8	326.8	0.00	618.80
1320.0	0.00	0.0	326.8	326.8	0.00	618.80
330.0	0.00	0.0	326.8	326.8	0.00	618.80
1340.0	0.00	0.0	326.8	326.8	0.00	618.80
1350.0	0.00	0.0	326.8	326.8	0.00	618.80
1360.0	0.00	0.0	326.8	326.8	0.00	618.80

nd File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - O (cfs)	2S/t + O (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1370.0	0.00	0.0	326.8	326.8	0.00	618.80
1380.0	0.00	0.0	326.8	326.8	0.00	618.80
1390.0	0.00	0.0	326.8	326.8	0.00	618.80
1400.0	0.00	0.0	326.8	326.8	0.00	618.80
1410.0	0.00	0.0	326.8	326.8	0.00	618.80
1420.0	0.00	0.0	326.8	326.8	0.00	618.80
1430.0	0.00	0.0	326.8	326.8	0.00	618.80
1440.0	0.00	0.0	326.8	326.8	0.00	618.80
1450.0	0.00	0.0	326.8	326.8	0.00	618.80
1460.0	0.00	0.0	326.8	326.8	0.00	618.80
1470.0	0.00	0.0	326.8	326.8	0.00	618.80
1480.0	0.00	0.0	326.8	326.8	0.00	618.80
1490.0	0.00	0.0	326.8	326.8	0.00	618.80
1500.0	0.00	0.0	326.8	326.8	0.00	618.80
1510.0	0.00	0.0	326.8	326.8	0.00	618.80
1520.0	0.00	0.0	326.8	326.8	0.00	618.80
1530.0	0.00	0.0	326.8	326.8	0.00	618.80
1540.0	0.00	0.0	326.8	326.8	0.00	618.80
1550.0	0.00	0.0	326.8	326.8	0.00	618.80
1560.0	0.00	0.0	326.8	326.8	0.00	618.80
1570.0	0.00	0.0	326.8	326.8	0.00	618.80
1580.0	0.00	0.0	326.8	326.8	0.00	618.80
1590.0	0.00	0.0	326.8	326.8	0.00	618.80
1600.0	0.00	0.0	326.8	326.8	0.00	618.80
1610.0	0.00	0.0	326.8	326.8	0.00	618.80
1620.0	0.00	0.0	326.8	326.8	0.00	618.80
1630.0	0.00	0.0	326.8	326.8	0.00	618.80
1640.0	0.00	0.0	326.8	326.8	0.00	618.80
1650.0	0.00	0.0	326.8	326.8	0.00	618.80
1660.0	0.00	0.0	326.8	326.8	0.00	618.80
1670.0	0.00	0.0	326.8	326.8	0.00	618.80
1680.0	0.00	0.0	326.8	326.8	0.00	618.80
1690.0	0.00	0.0	326.8	326.8	0.00	618.80
1700.0	0.00	0.0	326.8	326.8	0.00	618.80
1710.0	0.00	0.0	326.8	326.8	0.00	618.80
1720.0	0.00	0.0	326.8	326.8	0.00	618.80
1730.0	0.00	0.0	326.8	326.8	0.00	618.80
1740.0	0.00	0.0	326.8	326.8	0.00	618.80
1750.0	0.00	0.0	326.8	326.8	0.00	618.80
1760.0	0.00	0.0	326.8	326.8	0.00	618.80
1770.0	0.00	0.0	326.8	326.8	0.00	618.80
1780.0	0.00	0.0	326.8	326.8	0.00	618.80
1790.0	0.00	0.0	326.8	326.8	0.00	618.80
1800.0	0.00	0.0	326.8	326.8	0.00	618.80
1810.0	0.00	0.0	326.8	326.8	0.00	618.80
1820.0	0.00	0.0	326.8	326.8	0.00	618.80

nd File: J:\data\0203043\BASIN3BL.PND
 Inflow Hydrograph: J:\data\0203043\100B3 .HYD
 Outflow Hydrograph: J:\data\0203043\B3100BL .HYD

INFLOW HYDROGRAPH

ROUTING COMPUTATIONS

TIME (min)	INFLOW (cfs)	I1+I2 (cfs)	2S/t - 0 (cfs)	2S/t + 0 (cfs)	OUTFLOW (cfs)	ELEVATION (ft)
1830.0	0.00	0.0	326.8	326.8	0.00	618.80
1840.0	0.00	0.0	326.8	326.8	0.00	618.80
1850.0	0.00	0.0	326.8	326.8	0.00	618.80
1860.0	0.00	0.0	326.8	326.8	0.00	618.80
1870.0	0.00	0.0	326.8	326.8	0.00	618.80
1880.0	0.00	0.0	326.8	326.8	0.00	618.80
1890.0	0.00	0.0	326.8	326.8	0.00	618.80
1900.0	0.00	0.0	326.8	326.8	0.00	618.80
1910.0	0.00	0.0	326.8	326.8	0.00	618.80
1920.0	0.00	0.0	326.8	326.8	0.00	618.80
1930.0	0.00	0.0	326.8	326.8	0.00	618.80
1940.0	0.00	0.0	326.8	326.8	0.00	618.80
1950.0	0.00	0.0	326.8	326.8	0.00	618.80
1960.0	0.00	0.0	326.8	326.8	0.00	618.80
1970.0	0.00	0.0	326.8	326.8	0.00	618.80
1980.0	0.00	0.0	326.8	326.8	0.00	618.80
1990.0	0.00	0.0	326.8	326.8	0.00	618.80
2000.0	0.00	0.0	326.8	326.8	0.00	618.80
2010.0	0.00	0.0	326.8	326.8	0.00	618.80
2020.0	0.00	0.0	326.8	326.8	0.00	618.80
2030.0	0.00	0.0	326.8	326.8	0.00	618.80
2040.0	0.00	0.0	326.8	326.8	0.00	618.80
2050.0	0.00	0.0	326.8	326.8	0.00	618.80
2060.0	0.00	0.0	326.8	326.8	0.00	618.80
2070.0	0.00	0.0	326.8	326.8	0.00	618.80
2080.0	0.00	0.0	326.8	326.8	0.00	618.80
2090.0	0.00	0.0	326.8	326.8	0.00	618.80
2100.0	0.00	0.0	326.8	326.8	0.00	618.80
2110.0	0.00	0.0	326.8	326.8	0.00	618.80
2120.0	0.00	0.0	326.8	326.8	0.00	618.80
2130.0	0.00	0.0	326.8	326.8	0.00	618.80
2140.0	0.00	0.0	326.8	326.8	0.00	618.80
2150.0	0.00	0.0	326.8	326.8	0.00	618.80
2160.0	0.00	0.0	326.8	326.8	0.00	618.80
2170.0	0.00	0.0	326.8	326.8	0.00	618.80
2180.0	0.00	0.0	326.8	326.8	0.00	618.80
2190.0	0.00	0.0	326.8	326.8	0.00	618.80
2200.0	0.00	0.0	326.8	326.8	0.00	618.80
2210.0	0.00	0.0	326.8	326.8	0.00	618.80
2220.0	0.00	0.0	326.8	326.8	0.00	618.80
2230.0	0.00	0.0	326.8	326.8	0.00	618.80
2240.0	0.00	0.0	326.8	326.8	0.00	618.80
2250.0	0.00	0.0	326.8	326.8	0.00	618.80
2260.0	0.00	0.0	326.8	326.8	0.00	618.80
2270.0	0.00	0.0	326.8	326.8	0.00	618.80
2280.0	0.00	0.0	326.8	326.8	0.00	618.80