

MASTER DESIGN STORM SUMMARY

Default Network Design Storm File, ID BMP

$$i = b / ((T + d)**e)$$

Where: i = rainfall intensity (in/hr)
 T = rainfall duration (min)
 e, b, d = rainfall equation coefficients

Return Event	Rainfall Type	e coeff	b coeff	d coeff
2	e, b, d Coeff.	.9500	85.5680	16.5000
10	e, b, d Coeff.	.9230	112.1720	16.8000
100	e, b, d Coeff.	1.0760	355.5510	23.1990

MASTER NETWORK SUMMARY
 Modified Rational Method Network

(*Node=Outfall; +Node=Diversion;)
 (Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Type	Return Event	HYG Vol ac-ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage ac-ft
CR 28 CD	IN	POND 2	2.107		.3000	37.31		
CR 28 CD	IN	POND 10	3.141		.3000	51.83		
CR 28 CD	IN	POND 100	4.631		.3000	84.05		
CR 28 CD	OUT	POND 2	2.101		1.0000	1.33	711.58	2.177
CR 28 CD	OUT	POND 10	3.135		.9000	26.35	712.51	2.819
CR 28 CD	OUT	POND 100	4.624		.7000	69.90	712.99	3.180

MASTER NETWORK SUMMARY
 Modified Rational Method Network

(*Node=Outfall; +Node=Diversion;)
 (Trun= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left&Rt)

Node ID	Type	Return Event	HYG Vol ac-ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Max Pond Storage ac-ft
*OUTFALL	JCT	2	2.101		1.0000	1.33		
*OUTFALL	JCT	10	3.135		.9000	26.35		
*OUTFALL	JCT	100	4.624		.7000	69.90		
SUBAREA 30	AREA	2	2.107		.3000	37.31		
SUBAREA 30	AREA	10	3.141		.3000	51.83		
SUBAREA 30	AREA	100	4.631		.3000	84.05		

File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (ac-ft)	Volume Sum (ac-ft)
707.50	-----	5749	0	.000	.000
708.00	-----	19724	36122	.138	.138
709.00	-----	24724	66531	.509	.647
710.00	-----	24163	73329	.561	1.208
711.00	-----	27380	77264	.591	1.800
712.00	-----	30137	86242	.660	2.460
713.00	-----	32995	94666	.724	3.184
714.00	-----	35953	103390	.791	3.975

POND VOLUME EQUATIONS

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

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

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

Type.... Outlet Input Data
Name.... 5"

File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 707.50 ft
Increment = .10 ft
Max. Elev.= 714.00 ft

OUTLET CONNECTIVITY

---> Forward Flow Only (UpStream to DnStream)
<--- Reverse Flow Only (DnStream to UpStream)
<---> Forward and Reverse Both Allowed

Structure	No.		Outfall	E1, ft	E2, ft
-----	----		-----	-----	-----
Orifice-Circular	O0	--->	TW	708.000	714.000
Weir-Rectangular	W1	--->	TW	712.000	714.000
Weir-Rectangular	W0	--->	TW	712.000	714.000
TW SETUP, DS Channel					

Type.... Outlet Input Data
Name.... 5"

File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw

OUTLET STRUCTURE INPUT DATA

Structure ID = 00
Structure Type = Orifice-Circular

of Openings = 1
Invert Elev. = 708.00 ft
Diameter = 5.00 in
Orifice Coeff. = .660

Structure ID = W1
Structure Type = Weir-Rectangular

of Openings = 1
Crest Elev. = 712.00 ft
Weir Length = 15.00 ft
Weir Coeff. = 3.000000

Weir TW effects (Use adjustment equation)

Structure ID = W0
Structure Type = Weir-Rectangular

of Openings = 1
Crest Elev. = 712.00 ft
Weir Length = 8.00 ft
Weir Coeff. = 3.000000

Weir TW effects (Use adjustment equation)

Type.... Outlet Input Data
Name.... 5"

File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw

OUTLET STRUCTURE INPUT DATA

Structure ID = TW
Structure Type = TW SETUP, DS Channel

USE DOWNSTREAM CHANNEL NORMAL DEPTH FOR TW...
Channel Type: Chn-Circular
Channel ID: 18"

CONVERGENCE TOLERANCES...
Maximum Iterations= 40
Min. TW tolerance = .01 ft
Max. TW tolerance = .01 ft
Min. HW tolerance = .01 ft
Max. HW tolerance = .01 ft
Min. Q tolerance = .00 cfs
Max. Q tolerance = .00 cfs

Type.... Outlet Input Data
Name.... 5"

File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw

USE DOWNSTREAM CHANNEL NORMAL DEPTH FOR TW...
Channel Type: Chn-Circular
Channel ID: 18"

Solution to Mannings Open Channel Flow Equation
(Computed values are based on normal depth.)

CIRCULAR CROSS SECTION

Slope = .010000 ft/ft
Mannings n = 0.01500
Invert Elev. = 707.50 ft
Top of Channel = 709.00 ft
Diameter = 18.00 in

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.01
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
.0000	.00	33.45	33.45	.00	.00	.138	708.00
.1000	12.44	45.83	45.88	.00	.03	.189	708.11
.2000	24.87	82.53	83.14	.00	.30	.342	708.43
.3000	37.31	143.51	144.71	.00	.60	.595	708.91
.4000	37.31	216.52	218.13	.00	.80	.898	709.44
.5000	37.31	289.22	291.15	.00	.96	1.199	709.98
.6000	37.31	361.65	363.84	.00	1.09	1.499	710.51
.7000	35.24	431.80	434.20	.00	1.20	1.789	710.98
.8000	22.80	487.28	489.84	.00	1.28	2.019	711.34
.9000	10.36	517.81	520.45	.00	1.32	2.145	711.54
1.0000	.00	525.52	528.18	.00	1.33	2.177	711.58
1.1000	.00	522.88	525.52	.00	1.32	2.166	711.57
1.2000	.00	520.24	522.88	.00	1.32	2.155	711.55
1.3000	.00	517.61	520.24	.00	1.32	2.144	711.53
1.4000	.00	514.98	517.61	.00	1.31	2.133	711.52
1.5000	.00	512.36	514.98	.00	1.31	2.123	711.50
1.6000	.00	509.75	512.36	.00	1.31	2.112	711.48
1.7000	.00	507.14	509.75	.00	1.30	2.101	711.47
1.8000	.00	504.54	507.14	.00	1.30	2.090	711.45
1.9000	.00	501.95	504.54	.00	1.30	2.079	711.44
2.0000	.00	499.36	501.95	.00	1.29	2.069	711.42
2.1000	.00	496.78	499.36	.00	1.29	2.058	711.40
2.2000	.00	494.20	496.78	.00	1.29	2.047	711.39
2.3000	.00	491.64	494.20	.00	1.28	2.037	711.37
2.4000	.00	489.08	491.64	.00	1.28	2.026	711.35
2.5000	.00	486.52	489.08	.00	1.28	2.016	711.34
2.6000	.00	483.97	486.52	.00	1.27	2.005	711.32
2.7000	.00	481.43	483.97	.00	1.27	1.995	711.31
2.8000	.00	478.90	481.43	.00	1.27	1.984	711.29
2.9000	.00	476.37	478.90	.00	1.26	1.974	711.27
3.0000	.00	473.85	476.37	.00	1.26	1.963	711.26
3.1000	.00	471.34	473.85	.00	1.26	1.953	711.24
3.2000	.00	468.83	471.34	.00	1.25	1.942	711.22
3.3000	.00	466.33	468.83	.00	1.25	1.932	711.21
3.4000	.00	463.83	466.33	.00	1.25	1.922	711.19
3.5000	.00	461.35	463.83	.00	1.24	1.911	711.18
3.6000	.00	458.87	461.35	.00	1.24	1.901	711.16
3.7000	.00	456.39	458.87	.00	1.24	1.891	711.14
3.8000	.00	453.93	456.39	.00	1.23	1.881	711.13
3.9000	.00	451.47	453.93	.00	1.23	1.871	711.11
4.0000	.00	449.01	451.47	.00	1.23	1.860	711.10
4.1000	.00	446.56	449.01	.00	1.22	1.850	711.08

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

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 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
4.2000	.00	444.13	446.56	.00	1.22	1.840	711.06
4.3000	.00	441.69	444.13	.00	1.22	1.830	711.05
4.4000	.00	439.27	441.69	.00	1.21	1.820	711.03
4.5000	.00	436.85	439.27	.00	1.21	1.810	711.02
4.6000	.00	434.43	436.85	.00	1.21	1.800	711.00
4.7000	.00	432.03	434.43	.00	1.20	1.790	710.98
4.8000	.00	429.63	432.03	.00	1.20	1.780	710.97
4.9000	.00	427.24	429.63	.00	1.20	1.770	710.95
5.0000	.00	424.85	427.24	.00	1.19	1.760	710.94
5.1000	.00	422.47	424.85	.00	1.19	1.751	710.92
5.2000	.00	420.10	422.47	.00	1.19	1.741	710.91
5.3000	.00	417.74	420.10	.00	1.18	1.731	710.89
5.4000	.00	415.38	417.74	.00	1.18	1.721	710.87
5.5000	.00	413.03	415.38	.00	1.18	1.711	710.86
5.6000	.00	410.69	413.03	.00	1.17	1.702	710.84
5.7000	.00	408.35	410.69	.00	1.17	1.692	710.83
5.8000	.00	406.02	408.35	.00	1.16	1.683	710.81
5.9000	.00	403.70	406.02	.00	1.16	1.673	710.80
6.0000	.00	401.38	403.70	.00	1.16	1.663	710.78
6.1000	.00	399.08	401.38	.00	1.15	1.654	710.76
6.2000	.00	396.77	399.08	.00	1.15	1.644	710.75
6.3000	.00	394.48	396.77	.00	1.15	1.635	710.73
6.4000	.00	392.19	394.48	.00	1.14	1.625	710.72
6.5000	.00	389.91	392.19	.00	1.14	1.616	710.70
6.6000	.00	387.64	389.91	.00	1.14	1.606	710.69
6.7000	.00	385.37	387.64	.00	1.13	1.597	710.67
6.8000	.00	383.12	385.37	.00	1.13	1.588	710.66
6.9000	.00	380.86	383.12	.00	1.13	1.578	710.64
7.0000	.00	378.62	380.86	.00	1.12	1.569	710.62
7.1000	.00	376.38	378.62	.00	1.12	1.560	710.61
7.2000	.00	374.15	376.38	.00	1.11	1.551	710.59
7.3000	.00	371.93	374.15	.00	1.11	1.541	710.58
7.4000	.00	369.72	371.93	.00	1.11	1.532	710.56
7.5000	.00	367.51	369.72	.00	1.10	1.523	710.55
7.6000	.00	365.31	367.51	.00	1.10	1.514	710.53
7.7000	.00	363.11	365.31	.00	1.10	1.505	710.52
7.8000	.00	360.93	363.11	.00	1.09	1.496	710.50
7.9000	.00	358.75	360.93	.00	1.09	1.487	710.49
8.0000	.00	356.57	358.75	.00	1.09	1.478	710.47
8.1000	.00	354.41	356.57	.00	1.08	1.469	710.46
8.2000	.00	352.25	354.41	.00	1.08	1.460	710.44
8.3000	.00	350.10	352.25	.00	1.07	1.451	710.43

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

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 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
8.4000	.00	347.96	350.10	.00	1.07	1.442	710.41
8.5000	.00	345.83	347.96	.00	1.07	1.433	710.40
8.6000	.00	343.70	345.83	.00	1.06	1.425	710.38
8.7000	.00	341.58	343.70	.00	1.06	1.416	710.37
8.8000	.00	339.47	341.58	.00	1.06	1.407	710.35
8.9000	.00	337.36	339.47	.00	1.05	1.398	710.34
9.0000	.00	335.26	337.36	.00	1.05	1.390	710.32
9.1000	.00	333.17	335.26	.00	1.05	1.381	710.31
9.2000	.00	331.09	333.17	.00	1.04	1.372	710.29
9.3000	.00	329.01	331.09	.00	1.04	1.364	710.28
9.4000	.00	326.94	329.01	.00	1.03	1.355	710.26
9.5000	.00	324.88	326.94	.00	1.03	1.347	710.25
9.6000	.00	322.83	324.88	.00	1.03	1.338	710.23
9.7000	.00	320.79	322.83	.00	1.02	1.330	710.22
9.8000	.00	318.75	320.79	.00	1.02	1.321	710.20
9.9000	.00	316.72	318.75	.00	1.02	1.313	710.19
10.0000	.00	314.69	316.72	.00	1.01	1.305	710.17
10.1000	.00	312.68	314.69	.00	1.01	1.296	710.16
10.2000	.00	310.67	312.68	.00	1.00	1.288	710.14
10.3000	.00	308.67	310.67	.00	1.00	1.280	710.13
10.4000	.00	306.68	308.67	.00	1.00	1.271	710.11
10.5000	.00	304.69	306.68	.00	.99	1.263	710.10
10.6000	.00	302.72	304.69	.00	.99	1.255	710.08
10.7000	.00	300.75	302.72	.00	.98	1.247	710.07
10.8000	.00	298.79	300.75	.00	.98	1.239	710.05
10.9000	.00	296.83	298.79	.00	.98	1.231	710.04
11.0000	.00	294.89	296.83	.00	.97	1.222	710.03
11.1000	.00	292.95	294.89	.00	.97	1.215	710.01
11.2000	.00	291.02	292.95	.00	.97	1.207	710.00
11.3000	.00	289.10	291.02	.00	.96	1.199	709.98
11.4000	.00	287.18	289.10	.00	.96	1.191	709.97
11.5000	.00	285.27	287.18	.00	.95	1.183	709.95
11.6000	.00	283.37	285.27	.00	.95	1.175	709.94
11.7000	.00	281.48	283.37	.00	.95	1.167	709.93
11.8000	.00	279.60	281.48	.00	.94	1.159	709.91
11.9000	.00	277.72	279.60	.00	.94	1.151	709.90
12.0000	.00	275.85	277.72	.00	.93	1.144	709.88
12.1000	.00	273.99	275.85	.00	.93	1.136	709.87
12.2000	.00	272.14	273.99	.00	.93	1.128	709.86
12.3000	.00	270.29	272.14	.00	.92	1.121	709.84
12.4000	.00	268.46	270.29	.00	.92	1.113	709.83
12.5000	.00	266.63	268.46	.00	.91	1.106	709.81

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.04
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
12.6000	.00	264.80	266.63	.00	.91	1.098	709.80
12.7000	.00	262.99	264.80	.00	.91	1.090	709.79
12.8000	.00	261.18	262.99	.00	.90	1.083	709.77
12.9000	.00	259.38	261.18	.00	.90	1.076	709.76
13.0000	.00	257.59	259.38	.00	.90	1.068	709.75
13.1000	.00	255.81	257.59	.00	.89	1.061	709.73
13.2000	.00	254.03	255.81	.00	.89	1.053	709.72
13.3000	.00	252.27	254.03	.00	.88	1.046	709.71
13.4000	.00	250.50	252.27	.00	.88	1.039	709.70
13.5000	.00	248.75	250.50	.00	.88	1.032	709.68
13.6000	.00	247.01	248.75	.00	.87	1.024	709.67
13.7000	.00	245.27	247.01	.00	.87	1.017	709.66
13.8000	.00	243.54	245.27	.00	.86	1.010	709.64
13.9000	.00	241.82	243.54	.00	.86	1.003	709.63
14.0000	.00	240.10	241.82	.00	.86	.996	709.62
14.1000	.00	238.40	240.10	.00	.85	.989	709.61
14.2000	.00	236.70	238.40	.00	.85	.982	709.59
14.3000	.00	235.01	236.70	.00	.85	.975	709.58
14.4000	.00	233.32	235.01	.00	.84	.968	709.57
14.5000	.00	231.65	233.32	.00	.84	.961	709.56
14.6000	.00	229.98	231.65	.00	.83	.954	709.54
14.7000	.00	228.32	229.98	.00	.83	.947	709.53
14.8000	.00	226.67	228.32	.00	.83	.940	709.52
14.9000	.00	225.02	226.67	.00	.82	.933	709.51
15.0000	.00	223.39	225.02	.00	.82	.926	709.49
15.1000	.00	221.76	223.39	.00	.81	.920	709.48
15.2000	.00	220.13	221.76	.00	.81	.913	709.47
15.3000	.00	218.52	220.13	.00	.81	.906	709.46
15.4000	.00	216.91	218.52	.00	.80	.900	709.45
15.5000	.00	215.31	216.91	.00	.80	.893	709.44
15.6000	.00	213.72	215.31	.00	.80	.886	709.42
15.7000	.00	212.14	213.72	.00	.79	.880	709.41
15.8000	.00	210.56	212.14	.00	.79	.873	709.40
15.9000	.00	208.99	210.56	.00	.78	.867	709.39
16.0000	.00	207.43	208.99	.00	.78	.860	709.38
16.1000	.00	205.88	207.43	.00	.78	.854	709.37
16.2000	.00	204.34	205.88	.00	.77	.848	709.35
16.3000	.00	202.80	204.34	.00	.77	.841	709.34
16.4000	.00	201.27	202.80	.00	.76	.835	709.33
16.5000	.00	199.75	201.27	.00	.76	.829	709.32
16.6000	.00	198.23	199.75	.00	.76	.822	709.31
16.7000	.00	196.72	198.23	.00	.75	.816	709.30

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.05
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
16.8000	.00	195.22	196.72	.00	.75	.810	709.29
16.9000	.00	193.73	195.22	.00	.75	.804	709.28
17.0000	.00	192.25	193.73	.00	.74	.797	709.27
17.1000	.00	190.77	192.25	.00	.74	.791	709.25
17.2000	.00	189.30	190.77	.00	.73	.785	709.24
17.3000	.00	187.84	189.30	.00	.73	.779	709.23
17.4000	.00	186.39	187.84	.00	.73	.773	709.22
17.5000	.00	184.94	186.39	.00	.72	.767	709.21
17.6000	.00	183.50	184.94	.00	.72	.761	709.20
17.7000	.00	182.07	183.50	.00	.72	.755	709.19
17.8000	.00	180.65	182.07	.00	.71	.749	709.18
17.9000	.00	179.23	180.65	.00	.71	.744	709.17
18.0000	.00	177.83	179.23	.00	.70	.738	709.16
18.1000	.00	176.43	177.83	.00	.70	.732	709.15
18.2000	.00	175.03	176.43	.00	.70	.726	709.14
18.3000	.00	173.65	175.03	.00	.69	.720	709.13
18.4000	.00	172.27	173.65	.00	.69	.715	709.12
18.5000	.00	170.90	172.27	.00	.68	.709	709.11
18.6000	.00	169.54	170.90	.00	.68	.703	709.10
18.7000	.00	168.18	169.54	.00	.68	.698	709.09
18.8000	.00	166.84	168.18	.00	.67	.692	709.08
18.9000	.00	165.50	166.84	.00	.67	.687	709.07
19.0000	.00	164.17	165.50	.00	.67	.681	709.06
19.1000	.00	162.84	164.17	.00	.66	.676	709.05
19.2000	.00	161.53	162.84	.00	.66	.670	709.04
19.3000	.00	160.22	161.53	.00	.65	.665	709.03
19.4000	.00	158.92	160.22	.00	.65	.659	709.02
19.5000	.00	157.62	158.92	.00	.65	.654	709.01
19.6000	.00	156.34	157.62	.00	.64	.649	709.00
19.7000	.00	155.06	156.34	.00	.64	.643	708.99
19.8000	.00	153.79	155.06	.00	.64	.638	708.98
19.9000	.00	152.52	153.79	.00	.63	.633	708.97
20.0000	.00	151.27	152.52	.00	.63	.628	708.97
20.1000	.00	150.02	151.27	.00	.62	.622	708.96
20.2000	.00	148.78	150.02	.00	.62	.617	708.95
20.3000	.00	147.55	148.78	.00	.62	.612	708.94
20.4000	.00	146.32	147.55	.00	.61	.607	708.93
20.5000	.00	145.11	146.32	.00	.61	.602	708.92
20.6000	.00	143.90	145.11	.00	.60	.597	708.91
20.7000	.00	142.69	143.90	.00	.60	.592	708.90
20.8000	.00	141.50	142.69	.00	.60	.587	708.89
20.9000	.00	140.31	141.50	.00	.59	.582	708.88

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.06
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
21.0000	.00	139.14	140.31	.00	.59	.577	708.87
21.1000	.00	137.97	139.14	.00	.59	.572	708.87
21.2000	.00	136.80	137.97	.00	.58	.568	708.86
21.3000	.00	135.65	136.80	.00	.58	.563	708.85
21.4000	.00	134.50	135.65	.00	.57	.558	708.84
21.5000	.00	133.36	134.50	.00	.57	.553	708.83
21.6000	.00	132.23	133.36	.00	.57	.549	708.82
21.7000	.00	131.11	132.23	.00	.56	.544	708.81
21.8000	.00	129.99	131.11	.00	.56	.539	708.81
21.9000	.00	128.88	129.99	.00	.55	.535	708.80
22.0000	.00	127.78	128.88	.00	.55	.530	708.79
22.1000	.00	126.69	127.78	.00	.55	.526	708.78
22.2000	.00	125.61	126.69	.00	.54	.521	708.77
22.3000	.00	124.53	125.61	.00	.54	.517	708.76
22.4000	.00	123.47	124.53	.00	.53	.512	708.76
22.5000	.00	122.41	123.47	.00	.53	.508	708.75
22.6000	.00	121.36	122.41	.00	.53	.504	708.74
22.7000	.00	120.31	121.36	.00	.52	.499	708.73
22.8000	.00	119.28	120.31	.00	.52	.495	708.72
22.9000	.00	118.25	119.28	.00	.51	.491	708.72
23.0000	.00	117.23	118.25	.00	.51	.486	708.71
23.1000	.00	116.22	117.23	.00	.51	.482	708.70
23.2000	.00	115.22	116.22	.00	.50	.478	708.69
23.3000	.00	114.22	115.22	.00	.50	.474	708.68
23.4000	.00	113.23	114.22	.00	.49	.470	708.68
23.5000	.00	112.26	113.23	.00	.49	.466	708.67
23.6000	.00	111.29	112.26	.00	.48	.462	708.66
23.7000	.00	110.32	111.29	.00	.48	.458	708.65
23.8000	.00	109.37	110.32	.00	.48	.454	708.65
23.9000	.00	108.43	109.37	.00	.47	.450	708.64
24.0000	.00	107.49	108.43	.00	.47	.446	708.63
24.1000	.00	106.56	107.49	.00	.46	.442	708.62
24.2000	.00	105.64	106.56	.00	.46	.438	708.62
24.3000	.00	104.72	105.64	.00	.46	.435	708.61
24.4000	.00	103.82	104.72	.00	.45	.431	708.60
24.5000	.00	102.92	103.82	.00	.45	.427	708.59
24.6000	.00	102.03	102.92	.00	.44	.423	708.59
24.7000	.00	101.15	102.03	.00	.44	.420	708.58
24.8000	.00	100.28	101.15	.00	.44	.416	708.57
24.9000	.00	99.42	100.28	.00	.43	.412	708.57
25.0000	.00	98.57	99.42	.00	.43	.409	708.56
25.1000	.00	97.72	98.57	.00	.42	.405	708.55

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.07
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
25.2000	.00	96.89	97.72	.00	.42	.402	708.55
25.3000	.00	96.06	96.89	.00	.41	.398	708.54
25.4000	.00	95.24	96.06	.00	.41	.395	708.53
25.5000	.00	94.42	95.24	.00	.41	.392	708.53
25.6000	.00	93.62	94.42	.00	.40	.388	708.52
25.7000	.00	92.82	93.62	.00	.40	.385	708.51
25.8000	.00	92.04	92.82	.00	.39	.382	708.51
25.9000	.00	91.26	92.04	.00	.39	.379	708.50
26.0000	.00	90.49	91.26	.00	.38	.375	708.49
26.1000	.00	89.74	90.49	.00	.38	.372	708.49
26.2000	.00	89.00	89.74	.00	.37	.369	708.48
26.3000	.00	88.28	89.00	.00	.36	.366	708.48
26.4000	.00	87.57	88.28	.00	.35	.363	708.47
26.5000	.00	86.88	87.57	.00	.35	.360	708.46
26.6000	.00	86.20	86.88	.00	.34	.357	708.46
26.7000	.00	85.53	86.20	.00	.33	.355	708.45
26.8000	.00	84.88	85.53	.00	.33	.352	708.45
26.9000	.00	84.23	84.88	.00	.32	.349	708.44
27.0000	.00	83.60	84.23	.00	.31	.347	708.44
27.1000	.00	82.99	83.60	.00	.31	.344	708.43
27.2000	.00	82.38	82.99	.00	.30	.342	708.43
27.3000	.00	81.79	82.38	.00	.30	.339	708.42
27.4000	.00	81.21	81.79	.00	.29	.337	708.42
27.5000	.00	80.64	81.21	.00	.29	.334	708.41
27.6000	.00	80.08	80.64	.00	.28	.332	708.41
27.7000	.00	79.53	80.08	.00	.27	.330	708.40
27.8000	.00	78.99	79.53	.00	.27	.328	708.40
27.9000	.00	78.46	78.99	.00	.26	.325	708.39
28.0000	.00	77.94	78.46	.00	.26	.323	708.39
28.1000	.00	77.43	77.94	.00	.26	.321	708.39
28.2000	.00	76.93	77.43	.00	.25	.319	708.38
28.3000	.00	76.44	76.93	.00	.25	.317	708.38
28.4000	.00	75.95	76.44	.00	.24	.315	708.37
28.5000	.00	75.48	75.95	.00	.24	.313	708.37
28.6000	.00	75.01	75.48	.00	.23	.311	708.37
28.7000	.00	74.55	75.01	.00	.23	.309	708.36
28.8000	.00	74.10	74.55	.00	.23	.307	708.36
28.9000	.00	73.66	74.10	.00	.22	.305	708.35
29.0000	.00	73.22	73.66	.00	.22	.303	708.35
29.1000	.00	72.79	73.22	.00	.21	.302	708.35
29.2000	.00	72.37	72.79	.00	.21	.300	708.34
29.3000	.00	71.96	72.37	.00	.21	.298	708.34

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.08
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
29.4000	.00	71.55	71.96	.00	.20	.296	708.34
29.5000	.00	71.15	71.55	.00	.20	.295	708.33
29.6000	.00	70.76	71.15	.00	.20	.293	708.33
29.7000	.00	70.37	70.76	.00	.19	.291	708.33
29.8000	.00	70.00	70.37	.00	.19	.290	708.32
29.9000	.00	69.62	70.00	.00	.19	.288	708.32
30.0000	.00	69.26	69.62	.00	.18	.287	708.32
30.1000	.00	68.90	69.26	.00	.18	.285	708.31
30.2000	.00	68.54	68.90	.00	.18	.284	708.31
30.3000	.00	68.20	68.54	.00	.17	.282	708.31
30.4000	.00	67.86	68.20	.00	.17	.281	708.30
30.5000	.00	67.52	67.86	.00	.17	.280	708.30
30.6000	.00	67.19	67.52	.00	.16	.278	708.30
30.7000	.00	66.87	67.19	.00	.16	.277	708.30
30.8000	.00	66.55	66.87	.00	.16	.276	708.29
30.9000	.00	66.23	66.55	.00	.16	.274	708.29
31.0000	.00	65.92	66.23	.00	.16	.273	708.29
31.1000	.00	65.61	65.92	.00	.15	.272	708.29
31.2000	.00	65.31	65.61	.00	.15	.270	708.28
31.3000	.00	65.01	65.31	.00	.15	.269	708.28
31.4000	.00	64.72	65.01	.00	.15	.268	708.28
31.5000	.00	64.43	64.72	.00	.14	.267	708.27
31.6000	.00	64.15	64.43	.00	.14	.266	708.27
31.7000	.00	63.87	64.15	.00	.14	.264	708.27
31.8000	.00	63.59	63.87	.00	.14	.263	708.27
31.9000	.00	63.32	63.59	.00	.14	.262	708.27
32.0000	.00	63.05	63.32	.00	.13	.261	708.26
32.1000	.00	62.79	63.05	.00	.13	.260	708.26
32.2000	.00	62.53	62.79	.00	.13	.259	708.26
32.3000	.00	62.27	62.53	.00	.13	.258	708.26
32.4000	.00	62.02	62.27	.00	.13	.257	708.25
32.5000	.00	61.77	62.02	.00	.12	.256	708.25
32.6000	.00	61.53	61.77	.00	.12	.255	708.25
32.7000	.00	61.29	61.53	.00	.12	.254	708.25
32.8000	.00	61.05	61.29	.00	.12	.253	708.25
32.9000	.00	60.81	61.05	.00	.12	.252	708.24
33.0000	.00	60.58	60.81	.00	.12	.251	708.24
33.1000	.00	60.35	60.58	.00	.11	.250	708.24
33.2000	.00	60.13	60.35	.00	.11	.249	708.24
33.3000	.00	59.91	60.13	.00	.11	.248	708.24
33.4000	.00	59.69	59.91	.00	.11	.247	708.23
33.5000	.00	59.48	59.69	.00	.11	.246	708.23

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.09
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
33.6000	.00	59.27	59.48	.00	.11	.245	708.23
33.7000	.00	59.06	59.27	.00	.10	.244	708.23
33.8000	.00	58.85	59.06	.00	.10	.244	708.23
33.9000	.00	58.65	58.85	.00	.10	.243	708.22
34.0000	.00	58.45	58.65	.00	.10	.242	708.22
34.1000	.00	58.26	58.45	.00	.10	.241	708.22
34.2000	.00	58.06	58.26	.00	.10	.240	708.22
34.3000	.00	57.87	58.06	.00	.10	.239	708.22
34.4000	.00	57.68	57.87	.00	.09	.239	708.22
34.5000	.00	57.50	57.68	.00	.09	.238	708.21
34.6000	.00	57.32	57.50	.00	.09	.237	708.21
34.7000	.00	57.14	57.32	.00	.09	.236	708.21
34.8000	.00	56.96	57.14	.00	.09	.236	708.21
34.9000	.00	56.79	56.96	.00	.09	.235	708.21
35.0000	.00	56.62	56.79	.00	.09	.234	708.21
35.1000	.00	56.45	56.62	.00	.08	.234	708.21
35.2000	.00	56.28	56.45	.00	.08	.233	708.20
35.3000	.00	56.12	56.28	.00	.08	.232	708.20
35.4000	.00	55.95	56.12	.00	.08	.232	708.20
35.5000	.00	55.79	55.95	.00	.08	.231	708.20
35.6000	.00	55.64	55.79	.00	.08	.230	708.20
35.7000	.00	55.48	55.64	.00	.08	.230	708.20
35.8000	.00	55.33	55.48	.00	.08	.229	708.20
35.9000	.00	55.17	55.33	.00	.08	.228	708.19
36.0000	.00	55.02	55.17	.00	.08	.228	708.19
36.1000	.00	54.87	55.02	.00	.07	.227	708.19
36.2000	.00	54.72	54.87	.00	.07	.226	708.19
36.3000	.00	54.58	54.72	.00	.07	.226	708.19
36.4000	.00	54.43	54.58	.00	.07	.225	708.19
36.5000	.00	54.29	54.43	.00	.07	.225	708.19
36.6000	.00	54.14	54.29	.00	.07	.224	708.19
36.7000	.00	54.00	54.14	.00	.07	.223	708.18
36.8000	.00	53.86	54.00	.00	.07	.223	708.18
36.9000	.00	53.73	53.86	.00	.07	.222	708.18
37.0000	.00	53.59	53.73	.00	.07	.222	708.18
37.1000	.00	53.45	53.59	.00	.07	.221	708.18
37.2000	.00	53.32	53.45	.00	.07	.221	708.18
37.3000	.00	53.19	53.32	.00	.07	.220	708.18
37.4000	.00	53.06	53.19	.00	.07	.219	708.18
37.5000	.00	52.93	53.06	.00	.06	.219	708.17
37.6000	.00	52.80	52.93	.00	.06	.218	708.17
37.7000	.00	52.67	52.80	.00	.06	.218	708.17

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.10
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
37.8000	.00	52.55	52.67	.00	.06	.217	708.17
37.9000	.00	52.42	52.55	.00	.06	.217	708.17
38.0000	.00	52.30	52.42	.00	.06	.216	708.17
38.1000	.00	52.18	52.30	.00	.06	.216	708.17
38.2000	.00	52.06	52.18	.00	.06	.215	708.17
38.3000	.00	51.94	52.06	.00	.06	.215	708.17
38.4000	.00	51.82	51.94	.00	.06	.214	708.16
38.5000	.00	51.70	51.82	.00	.06	.214	708.16
38.6000	.00	51.59	51.70	.00	.06	.213	708.16
38.7000	.00	51.47	51.59	.00	.06	.213	708.16
38.8000	.00	51.36	51.47	.00	.06	.212	708.16
38.9000	.00	51.25	51.36	.00	.06	.212	708.16
39.0000	.00	51.13	51.25	.00	.06	.211	708.16
39.1000	.00	51.02	51.13	.00	.05	.211	708.16
39.2000	.00	50.92	51.02	.00	.05	.210	708.16
39.3000	.00	50.81	50.92	.00	.05	.210	708.16
39.4000	.00	50.70	50.81	.00	.05	.210	708.15
39.5000	.00	50.60	50.70	.00	.05	.209	708.15
39.6000	.00	50.49	50.60	.00	.05	.209	708.15
39.7000	.00	50.39	50.49	.00	.05	.208	708.15
39.8000	.00	50.29	50.39	.00	.05	.208	708.15
39.9000	.00	50.18	50.29	.00	.05	.207	708.15
40.0000	.00	50.08	50.18	.00	.05	.207	708.15
40.1000	.00	49.98	50.08	.00	.05	.207	708.15
40.2000	.00	49.89	49.98	.00	.05	.206	708.15
40.3000	.00	49.79	49.89	.00	.05	.206	708.15
40.4000	.00	49.69	49.79	.00	.05	.205	708.15
40.5000	.00	49.60	49.69	.00	.05	.205	708.15
40.6000	.00	49.50	49.60	.00	.05	.205	708.14
40.7000	.00	49.41	49.50	.00	.05	.204	708.14
40.8000	.00	49.32	49.41	.00	.05	.204	708.14
40.9000	.00	49.23	49.32	.00	.05	.203	708.14
41.0000	.00	49.14	49.23	.00	.05	.203	708.14
41.1000	.00	49.05	49.14	.00	.04	.203	708.14
41.2000	.00	48.96	49.05	.00	.04	.202	708.14
41.3000	.00	48.87	48.96	.00	.04	.202	708.14
41.4000	.00	48.78	48.87	.00	.04	.202	708.14
41.5000	.00	48.70	48.78	.00	.04	.201	708.14
41.6000	.00	48.61	48.70	.00	.04	.201	708.14
41.7000	.00	48.53	48.61	.00	.04	.201	708.14
41.8000	.00	48.45	48.53	.00	.04	.200	708.13
41.9000	.00	48.36	48.45	.00	.04	.200	708.13

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.11
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
42.0000	.00	48.28	48.36	.00	.04	.200	708.13
42.1000	.00	48.20	48.28	.00	.04	.199	708.13
42.2000	.00	48.12	48.20	.00	.04	.199	708.13
42.3000	.00	48.04	48.12	.00	.04	.199	708.13
42.4000	.00	47.96	48.04	.00	.04	.198	708.13
42.5000	.00	47.89	47.96	.00	.04	.198	708.13
42.6000	.00	47.81	47.89	.00	.04	.198	708.13
42.7000	.00	47.73	47.81	.00	.04	.197	708.13
42.8000	.00	47.66	47.73	.00	.04	.197	708.13
42.9000	.00	47.58	47.66	.00	.04	.197	708.13
43.0000	.00	47.51	47.58	.00	.04	.196	708.13
43.1000	.00	47.44	47.51	.00	.04	.196	708.13
43.2000	.00	47.37	47.44	.00	.04	.196	708.13
43.3000	.00	47.29	47.37	.00	.04	.195	708.12
43.4000	.00	47.22	47.29	.00	.04	.195	708.12
43.5000	.00	47.15	47.22	.00	.03	.195	708.12
43.6000	.00	47.09	47.15	.00	.03	.195	708.12
43.7000	.00	47.02	47.09	.00	.03	.194	708.12
43.8000	.00	46.95	47.02	.00	.03	.194	708.12
43.9000	.00	46.88	46.95	.00	.03	.194	708.12
44.0000	.00	46.82	46.88	.00	.03	.193	708.12
44.1000	.00	46.75	46.82	.00	.03	.193	708.12
44.2000	.00	46.68	46.75	.00	.03	.193	708.12
44.3000	.00	46.62	46.68	.00	.03	.193	708.12
44.4000	.00	46.56	46.62	.00	.03	.192	708.12
44.5000	.00	46.49	46.56	.00	.03	.192	708.12
44.6000	.00	46.43	46.49	.00	.03	.192	708.12
44.7000	.00	46.37	46.43	.00	.03	.192	708.12
44.8000	.00	46.31	46.37	.00	.03	.191	708.12
44.9000	.00	46.25	46.31	.00	.03	.191	708.12
45.0000	.00	46.19	46.25	.00	.03	.191	708.11
45.1000	.00	46.13	46.19	.00	.03	.191	708.11
45.2000	.00	46.07	46.13	.00	.03	.190	708.11
45.3000	.00	46.01	46.07	.00	.03	.190	708.11
45.4000	.00	45.95	46.01	.00	.03	.190	708.11
45.5000	.00	45.90	45.95	.00	.03	.190	708.11
45.6000	.00	45.84	45.90	.00	.03	.189	708.11
45.7000	.00	45.79	45.84	.00	.03	.189	708.11
45.8000	.00	45.73	45.79	.00	.03	.189	708.11
45.9000	.00	45.68	45.73	.00	.03	.189	708.11
46.0000	.00	45.62	45.68	.00	.03	.189	708.11
46.1000	.00	45.57	45.62	.00	.03	.188	708.11

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.12
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
46.2000	.00	45.52	45.57	.00	.03	.188	708.11
46.3000	.00	45.46	45.52	.00	.03	.188	708.11
46.4000	.00	45.41	45.46	.00	.03	.188	708.11
46.5000	.00	45.36	45.41	.00	.03	.188	708.11
46.6000	.00	45.31	45.36	.00	.03	.187	708.11
46.7000	.00	45.26	45.31	.00	.03	.187	708.11
46.8000	.00	45.21	45.26	.00	.02	.187	708.11
46.9000	.00	45.16	45.21	.00	.02	.187	708.11
47.0000	.00	45.11	45.16	.00	.02	.186	708.11
47.1000	.00	45.06	45.11	.00	.02	.186	708.10
47.2000	.00	45.02	45.06	.00	.02	.186	708.10
47.3000	.00	44.97	45.02	.00	.02	.186	708.10
47.4000	.00	44.92	44.97	.00	.02	.186	708.10
47.5000	.00	44.88	44.92	.00	.02	.186	708.10
47.6000	.00	44.83	44.88	.00	.02	.185	708.10
47.7000	.00	44.78	44.83	.00	.02	.185	708.10
47.8000	.00	44.74	44.78	.00	.02	.185	708.10
47.9000	.00	44.70	44.74	.00	.02	.185	708.10
48.0000	.00	44.65	44.70	.00	.02	.185	708.10
48.1000	.00	44.61	44.65	.00	.02	.184	708.10
48.2000	.00	44.57	44.61	.00	.02	.184	708.10
48.3000	.00	44.52	44.57	.00	.02	.184	708.10
48.4000	.00	44.48	44.52	.00	.02	.184	708.10
48.5000	.00	44.44	44.48	.00	.02	.184	708.10
48.6000	.00	44.40	44.44	.00	.02	.184	708.10
48.7000	.00	44.35	44.40	.00	.02	.183	708.10
48.8000	.00	44.31	44.35	.00	.02	.183	708.10
48.9000	.00	44.27	44.31	.00	.02	.183	708.10
49.0000	.00	44.23	44.27	.00	.02	.183	708.10
49.1000	.00	44.19	44.23	.00	.02	.183	708.10
49.2000	.00	44.15	44.19	.00	.02	.182	708.10
49.3000	.00	44.11	44.15	.00	.02	.182	708.10
49.4000	.00	44.07	44.11	.00	.02	.182	708.10
49.5000	.00	44.02	44.07	.00	.02	.182	708.10
49.6000	.00	43.98	44.02	.00	.02	.182	708.10
49.7000	.00	43.94	43.98	.00	.02	.182	708.09
49.8000	.00	43.90	43.94	.00	.02	.181	708.09
49.9000	.00	43.86	43.90	.00	.02	.181	708.09
50.0000	.00	43.82	43.86	.00	.02	.181	708.09
50.1000	.00	43.78	43.82	.00	.02	.181	708.09
50.2000	.00	43.74	43.78	.00	.02	.181	708.09
50.3000	.00	43.71	43.74	.00	.02	.181	708.09

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.13
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
50.4000	.00	43.67	43.71	.00	.02	.180	708.09
50.5000	.00	43.63	43.67	.00	.02	.180	708.09
50.6000	.00	43.59	43.63	.00	.02	.180	708.09
50.7000	.00	43.55	43.59	.00	.02	.180	708.09
50.8000	.00	43.51	43.55	.00	.02	.180	708.09
50.9000	.00	43.47	43.51	.00	.02	.180	708.09
51.0000	.00	43.43	43.47	.00	.02	.180	708.09
51.1000	.00	43.40	43.43	.00	.02	.179	708.09
51.2000	.00	43.36	43.40	.00	.02	.179	708.09
51.3000	.00	43.32	43.36	.00	.02	.179	708.09
51.4000	.00	43.28	43.32	.00	.02	.179	708.09
51.5000	.00	43.24	43.28	.00	.02	.179	708.09
51.6000	.00	43.21	43.24	.00	.02	.179	708.09
51.7000	.00	43.17	43.21	.00	.02	.178	708.09
51.8000	.00	43.13	43.17	.00	.02	.178	708.09
51.9000	.00	43.10	43.13	.00	.02	.178	708.09
52.0000	.00	43.06	43.10	.00	.02	.178	708.09
52.1000	.00	43.02	43.06	.00	.02	.178	708.09
52.2000	.00	42.99	43.02	.00	.02	.178	708.09
52.3000	.00	42.95	42.99	.00	.02	.177	708.09
52.4000	.00	42.91	42.95	.00	.02	.177	708.09
52.5000	.00	42.88	42.91	.00	.02	.177	708.09
52.6000	.00	42.84	42.88	.00	.02	.177	708.08
52.7000	.00	42.80	42.84	.00	.02	.177	708.08
52.8000	.00	42.77	42.80	.00	.02	.177	708.08
52.9000	.00	42.73	42.77	.00	.02	.177	708.08
53.0000	.00	42.70	42.73	.00	.02	.176	708.08
53.1000	.00	42.66	42.70	.00	.02	.176	708.08
53.2000	.00	42.63	42.66	.00	.02	.176	708.08
53.3000	.00	42.59	42.63	.00	.02	.176	708.08
53.4000	.00	42.56	42.59	.00	.02	.176	708.08
53.5000	.00	42.52	42.56	.00	.02	.176	708.08
53.6000	.00	42.49	42.52	.00	.02	.176	708.08
53.7000	.00	42.45	42.49	.00	.02	.175	708.08
53.8000	.00	42.42	42.45	.00	.02	.175	708.08
53.9000	.00	42.38	42.42	.00	.02	.175	708.08
54.0000	.00	42.35	42.38	.00	.02	.175	708.08
54.1000	.00	42.32	42.35	.00	.02	.175	708.08
54.2000	.00	42.28	42.32	.00	.02	.175	708.08
54.3000	.00	42.25	42.28	.00	.02	.175	708.08
54.4000	.00	42.21	42.25	.00	.02	.174	708.08
54.5000	.00	42.18	42.21	.00	.02	.174	708.08

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.14
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
54.6000	.00	42.15	42.18	.00	.02	.174	708.08
54.7000	.00	42.11	42.15	.00	.02	.174	708.08
54.8000	.00	42.08	42.11	.00	.02	.174	708.08
54.9000	.00	42.05	42.08	.00	.02	.174	708.08
55.0000	.00	42.01	42.05	.00	.02	.174	708.08
55.1000	.00	41.98	42.01	.00	.02	.173	708.08
55.2000	.00	41.95	41.98	.00	.02	.173	708.08
55.3000	.00	41.92	41.95	.00	.02	.173	708.08
55.4000	.00	41.88	41.92	.00	.02	.173	708.08
55.5000	.00	41.85	41.88	.00	.02	.173	708.08
55.6000	.00	41.82	41.85	.00	.02	.173	708.08
55.7000	.00	41.79	41.82	.00	.02	.173	708.08
55.8000	.00	41.76	41.79	.00	.02	.173	708.08
55.9000	.00	41.72	41.76	.00	.02	.172	708.07
56.0000	.00	41.69	41.72	.00	.02	.172	708.07
56.1000	.00	41.66	41.69	.00	.02	.172	708.07
56.2000	.00	41.63	41.66	.00	.02	.172	708.07
56.3000	.00	41.60	41.63	.00	.02	.172	708.07
56.4000	.00	41.57	41.60	.00	.02	.172	708.07
56.5000	.00	41.54	41.57	.00	.02	.172	708.07
56.6000	.00	41.51	41.54	.00	.02	.171	708.07
56.7000	.00	41.47	41.51	.00	.02	.171	708.07
56.8000	.00	41.44	41.47	.00	.02	.171	708.07
56.9000	.00	41.41	41.44	.00	.02	.171	708.07
57.0000	.00	41.38	41.41	.00	.02	.171	708.07
57.1000	.00	41.35	41.38	.00	.02	.171	708.07
57.2000	.00	41.32	41.35	.00	.02	.171	708.07
57.3000	.00	41.29	41.32	.00	.02	.171	708.07
57.4000	.00	41.26	41.29	.00	.02	.170	708.07
57.5000	.00	41.23	41.26	.00	.01	.170	708.07
57.6000	.00	41.20	41.23	.00	.01	.170	708.07
57.7000	.00	41.17	41.20	.00	.01	.170	708.07
57.8000	.00	41.14	41.17	.00	.01	.170	708.07
57.9000	.00	41.11	41.14	.00	.01	.170	708.07
58.0000	.00	41.08	41.11	.00	.01	.170	708.07
58.1000	.00	41.06	41.08	.00	.01	.170	708.07
58.2000	.00	41.03	41.06	.00	.01	.169	708.07
58.3000	.00	41.00	41.03	.00	.01	.169	708.07
58.4000	.00	40.97	41.00	.00	.01	.169	708.07
58.5000	.00	40.94	40.97	.00	.01	.169	708.07
58.6000	.00	40.91	40.94	.00	.01	.169	708.07
58.7000	.00	40.88	40.91	.00	.01	.169	708.07

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.15
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
58.8000	.00	40.85	40.88	.00	.01	.169	708.07
58.9000	.00	40.83	40.85	.00	.01	.169	708.07
59.0000	.00	40.80	40.83	.00	.01	.169	708.07
59.1000	.00	40.77	40.80	.00	.01	.168	708.07
59.2000	.00	40.74	40.77	.00	.01	.168	708.07
59.3000	.00	40.71	40.74	.00	.01	.168	708.07
59.4000	.00	40.69	40.71	.00	.01	.168	708.07
59.5000	.00	40.66	40.69	.00	.01	.168	708.07
59.6000	.00	40.63	40.66	.00	.01	.168	708.06
59.7000	.00	40.60	40.63	.00	.01	.168	708.06
59.8000	.00	40.58	40.60	.00	.01	.168	708.06
59.9000	.00	40.55	40.58	.00	.01	.167	708.06
60.0000	.00	40.52	40.55	.00	.01	.167	708.06
60.1000	.00	40.49	40.52	.00	.01	.167	708.06
60.2000	.00	40.47	40.49	.00	.01	.167	708.06
60.3000	.00	40.44	40.47	.00	.01	.167	708.06
60.4000	.00	40.41	40.44	.00	.01	.167	708.06
60.5000	.00	40.39	40.41	.00	.01	.167	708.06
60.6000	.00	40.36	40.39	.00	.01	.167	708.06
60.7000	.00	40.33	40.36	.00	.01	.167	708.06
60.8000	.00	40.31	40.33	.00	.01	.166	708.06
60.9000	.00	40.28	40.31	.00	.01	.166	708.06
61.0000	.00	40.26	40.28	.00	.01	.166	708.06
61.1000	.00	40.23	40.26	.00	.01	.166	708.06
61.2000	.00	40.20	40.23	.00	.01	.166	708.06
61.3000	.00	40.18	40.20	.00	.01	.166	708.06
61.4000	.00	40.15	40.18	.00	.01	.166	708.06
61.5000	.00	40.13	40.15	.00	.01	.166	708.06
61.6000	.00	40.10	40.13	.00	.01	.166	708.06
61.7000	.00	40.07	40.10	.00	.01	.166	708.06
61.8000	.00	40.05	40.07	.00	.01	.165	708.06
61.9000	.00	40.02	40.05	.00	.01	.165	708.06
62.0000	.00	40.00	40.02	.00	.01	.165	708.06
62.1000	.00	39.97	40.00	.00	.01	.165	708.06
62.2000	.00	39.95	39.97	.00	.01	.165	708.06
62.3000	.00	39.92	39.95	.00	.01	.165	708.06
62.4000	.00	39.90	39.92	.00	.01	.165	708.06
62.5000	.00	39.87	39.90	.00	.01	.165	708.06
62.6000	.00	39.85	39.87	.00	.01	.165	708.06
62.7000	.00	39.83	39.85	.00	.01	.164	708.06
62.8000	.00	39.80	39.83	.00	.01	.164	708.06
62.9000	.00	39.78	39.80	.00	.01	.164	708.06

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.16
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
63.0000	.00	39.75	39.78	.00	.01	.164	708.06
63.1000	.00	39.73	39.75	.00	.01	.164	708.06
63.2000	.00	39.70	39.73	.00	.01	.164	708.06
63.3000	.00	39.68	39.70	.00	.01	.164	708.06
63.4000	.00	39.66	39.68	.00	.01	.164	708.06
63.5000	.00	39.63	39.66	.00	.01	.164	708.06
63.6000	.00	39.61	39.63	.00	.01	.164	708.06
63.7000	.00	39.59	39.61	.00	.01	.163	708.06
63.8000	.00	39.56	39.59	.00	.01	.163	708.06
63.9000	.00	39.54	39.56	.00	.01	.163	708.06
64.0000	.00	39.52	39.54	.00	.01	.163	708.05
64.1000	.00	39.49	39.52	.00	.01	.163	708.05
64.2000	.00	39.47	39.49	.00	.01	.163	708.05
64.3000	.00	39.45	39.47	.00	.01	.163	708.05
64.4000	.00	39.42	39.45	.00	.01	.163	708.05
64.5000	.00	39.40	39.42	.00	.01	.163	708.05
64.6000	.00	39.38	39.40	.00	.01	.163	708.05
64.7000	.00	39.36	39.38	.00	.01	.163	708.05
64.8000	.00	39.33	39.36	.00	.01	.162	708.05
64.9000	.00	39.31	39.33	.00	.01	.162	708.05
65.0000	.00	39.29	39.31	.00	.01	.162	708.05
65.1000	.00	39.27	39.29	.00	.01	.162	708.05
65.2000	.00	39.24	39.27	.00	.01	.162	708.05
65.3000	.00	39.22	39.24	.00	.01	.162	708.05
65.4000	.00	39.20	39.22	.00	.01	.162	708.05
65.5000	.00	39.18	39.20	.00	.01	.162	708.05
65.6000	.00	39.15	39.18	.00	.01	.162	708.05
65.7000	.00	39.13	39.15	.00	.01	.162	708.05
65.8000	.00	39.11	39.13	.00	.01	.162	708.05
65.9000	.00	39.09	39.11	.00	.01	.161	708.05
66.0000	.00	39.07	39.09	.00	.01	.161	708.05
66.1000	.00	39.05	39.07	.00	.01	.161	708.05
66.2000	.00	39.03	39.05	.00	.01	.161	708.05
66.3000	.00	39.00	39.03	.00	.01	.161	708.05
66.4000	.00	38.98	39.00	.00	.01	.161	708.05
66.5000	.00	38.96	38.98	.00	.01	.161	708.05
66.6000	.00	38.94	38.96	.00	.01	.161	708.05
66.7000	.00	38.92	38.94	.00	.01	.161	708.05
66.8000	.00	38.90	38.92	.00	.01	.161	708.05
66.9000	.00	38.88	38.90	.00	.01	.161	708.05
67.0000	.00	38.86	38.88	.00	.01	.160	708.05
67.1000	.00	38.84	38.86	.00	.01	.160	708.05

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.17
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
67.2000	.00	38.82	38.84	.00	.01	.160	708.05
67.3000	.00	38.79	38.82	.00	.01	.160	708.05
67.4000	.00	38.77	38.79	.00	.01	.160	708.05
67.5000	.00	38.75	38.77	.00	.01	.160	708.05
67.6000	.00	38.73	38.75	.00	.01	.160	708.05
67.7000	.00	38.71	38.73	.00	.01	.160	708.05
67.8000	.00	38.69	38.71	.00	.01	.160	708.05
67.9000	.00	38.67	38.69	.00	.01	.160	708.05
68.0000	.00	38.65	38.67	.00	.01	.160	708.05
68.1000	.00	38.63	38.65	.00	.01	.160	708.05
68.2000	.00	38.61	38.63	.00	.01	.159	708.05
68.3000	.00	38.59	38.61	.00	.01	.159	708.05
68.4000	.00	38.57	38.59	.00	.01	.159	708.05
68.5000	.00	38.55	38.57	.00	.01	.159	708.05
68.6000	.00	38.54	38.55	.00	.01	.159	708.05
68.7000	.00	38.52	38.54	.00	.01	.159	708.05
68.8000	.00	38.50	38.52	.00	.01	.159	708.05
68.9000	.00	38.48	38.50	.00	.01	.159	708.05
69.0000	.00	38.46	38.48	.00	.01	.159	708.05
69.1000	.00	38.44	38.46	.00	.01	.159	708.05
69.2000	.00	38.42	38.44	.00	.01	.159	708.04
69.3000	.00	38.40	38.42	.00	.01	.159	708.04
69.4000	.00	38.38	38.40	.00	.01	.159	708.04
69.5000	.00	38.36	38.38	.00	.01	.158	708.04
69.6000	.00	38.34	38.36	.00	.01	.158	708.04
69.7000	.00	38.33	38.34	.00	.01	.158	708.04
69.8000	.00	38.31	38.33	.00	.01	.158	708.04
69.9000	.00	38.29	38.31	.00	.01	.158	708.04
70.0000	.00	38.27	38.29	.00	.01	.158	708.04
70.1000	.00	38.25	38.27	.00	.01	.158	708.04
70.2000	.00	38.23	38.25	.00	.01	.158	708.04
70.3000	.00	38.21	38.23	.00	.01	.158	708.04
70.4000	.00	38.20	38.21	.00	.01	.158	708.04
70.5000	.00	38.18	38.20	.00	.01	.158	708.04
70.6000	.00	38.16	38.18	.00	.01	.158	708.04
70.7000	.00	38.14	38.16	.00	.01	.158	708.04
70.8000	.00	38.12	38.14	.00	.01	.157	708.04
70.9000	.00	38.11	38.12	.00	.01	.157	708.04
71.0000	.00	38.09	38.11	.00	.01	.157	708.04
71.1000	.00	38.07	38.09	.00	.01	.157	708.04
71.2000	.00	38.05	38.07	.00	.01	.157	708.04
71.3000	.00	38.03	38.05	.00	.01	.157	708.04

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

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 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
71.4000	.00	38.02	38.03	.00	.01	.157	708.04
71.5000	.00	38.00	38.02	.00	.01	.157	708.04
71.6000	.00	37.98	38.00	.00	.01	.157	708.04
71.7000	.00	37.97	37.98	.00	.01	.157	708.04
71.8000	.00	37.95	37.97	.00	.01	.157	708.04
71.9000	.00	37.93	37.95	.00	.01	.157	708.04
72.0000	.00	37.91	37.93	.00	.01	.157	708.04
72.1000	.00	37.90	37.91	.00	.01	.157	708.04
72.2000	.00	37.88	37.90	.00	.01	.156	708.04
72.3000	.00	37.86	37.88	.00	.01	.156	708.04
72.4000	.00	37.85	37.86	.00	.01	.156	708.04
72.5000	.00	37.83	37.85	.00	.01	.156	708.04
72.6000	.00	37.81	37.83	.00	.01	.156	708.04
72.7000	.00	37.80	37.81	.00	.01	.156	708.04
72.8000	.00	37.78	37.80	.00	.01	.156	708.04
72.9000	.00	37.76	37.78	.00	.01	.156	708.04
73.0000	.00	37.75	37.76	.00	.01	.156	708.04
73.1000	.00	37.73	37.75	.00	.01	.156	708.04
73.2000	.00	37.71	37.73	.00	.01	.156	708.04
73.3000	.00	37.70	37.71	.00	.01	.156	708.04
73.4000	.00	37.68	37.70	.00	.01	.156	708.04
73.5000	.00	37.66	37.68	.00	.01	.156	708.04
73.6000	.00	37.65	37.66	.00	.01	.155	708.04
73.7000	.00	37.63	37.65	.00	.01	.155	708.04
73.8000	.00	37.62	37.63	.00	.01	.155	708.04
73.9000	.00	37.60	37.62	.00	.01	.155	708.04
74.0000	.00	37.58	37.60	.00	.01	.155	708.04
74.1000	.00	37.57	37.58	.00	.01	.155	708.04
74.2000	.00	37.55	37.57	.00	.01	.155	708.04
74.3000	.00	37.54	37.55	.00	.01	.155	708.04
74.4000	.00	37.52	37.54	.00	.01	.155	708.04
74.5000	.00	37.51	37.52	.00	.01	.155	708.04
74.6000	.00	37.49	37.51	.00	.01	.155	708.04
74.7000	.00	37.47	37.49	.00	.01	.155	708.04
74.8000	.00	37.46	37.47	.00	.01	.155	708.04
74.9000	.00	37.44	37.46	.00	.01	.155	708.04
75.0000	.00	37.43	37.44	.00	.01	.155	708.04
75.1000	.00	37.41	37.43	.00	.01	.154	708.04
75.2000	.00	37.40	37.41	.00	.01	.154	708.04
75.3000	.00	37.38	37.40	.00	.01	.154	708.04
75.4000	.00	37.37	37.38	.00	.01	.154	708.04
75.5000	.00	37.35	37.37	.00	.01	.154	708.04

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

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 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
75.6000	.00	37.34	37.35	.00	.01	.154	708.04
75.7000	.00	37.32	37.34	.00	.01	.154	708.04
75.8000	.00	37.31	37.32	.00	.01	.154	708.03
75.9000	.00	37.29	37.31	.00	.01	.154	708.03
76.0000	.00	37.28	37.29	.00	.01	.154	708.03
76.1000	.00	37.26	37.28	.00	.01	.154	708.03
76.2000	.00	37.25	37.26	.00	.01	.154	708.03
76.3000	.00	37.23	37.25	.00	.01	.154	708.03
76.4000	.00	37.22	37.23	.00	.01	.154	708.03
76.5000	.00	37.21	37.22	.00	.01	.154	708.03
76.6000	.00	37.19	37.21	.00	.01	.154	708.03
76.7000	.00	37.18	37.19	.00	.01	.154	708.03
76.8000	.00	37.16	37.18	.00	.01	.153	708.03
76.9000	.00	37.15	37.16	.00	.01	.153	708.03
77.0000	.00	37.13	37.15	.00	.01	.153	708.03
77.1000	.00	37.12	37.13	.00	.01	.153	708.03
77.2000	.00	37.11	37.12	.00	.01	.153	708.03
77.3000	.00	37.09	37.11	.00	.01	.153	708.03
77.4000	.00	37.08	37.09	.00	.01	.153	708.03
77.5000	.00	37.06	37.08	.00	.01	.153	708.03
77.6000	.00	37.05	37.06	.00	.01	.153	708.03
77.7000	.00	37.04	37.05	.00	.01	.153	708.03
77.8000	.00	37.02	37.04	.00	.01	.153	708.03
77.9000	.00	37.01	37.02	.00	.01	.153	708.03
78.0000	.00	37.00	37.01	.00	.01	.153	708.03
78.1000	.00	36.98	37.00	.00	.01	.153	708.03
78.2000	.00	36.97	36.98	.00	.01	.153	708.03
78.3000	.00	36.96	36.97	.00	.01	.153	708.03
78.4000	.00	36.94	36.96	.00	.01	.153	708.03
78.5000	.00	36.93	36.94	.00	.01	.153	708.03
78.6000	.00	36.92	36.93	.00	.01	.152	708.03
78.7000	.00	36.90	36.92	.00	.01	.152	708.03
78.8000	.00	36.89	36.90	.00	.01	.152	708.03
78.9000	.00	36.88	36.89	.00	.01	.152	708.03
79.0000	.00	36.86	36.88	.00	.01	.152	708.03
79.1000	.00	36.85	36.86	.00	.01	.152	708.03
79.2000	.00	36.84	36.85	.00	.01	.152	708.03
79.3000	.00	36.82	36.84	.00	.01	.152	708.03
79.4000	.00	36.81	36.82	.00	.01	.152	708.03
79.5000	.00	36.80	36.81	.00	.01	.152	708.03
79.6000	.00	36.78	36.80	.00	.01	.152	708.03
79.7000	.00	36.77	36.78	.00	.01	.152	708.03

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.20
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
79.8000	.00	36.76	36.77	.00	.01	.152	708.03
79.9000	.00	36.75	36.76	.00	.01	.152	708.03
80.0000	.00	36.73	36.75	.00	.01	.152	708.03
80.1000	.00	36.72	36.73	.00	.01	.152	708.03
80.2000	.00	36.71	36.72	.00	.01	.152	708.03
80.3000	.00	36.70	36.71	.00	.01	.152	708.03
80.4000	.00	36.68	36.70	.00	.01	.151	708.03
80.5000	.00	36.67	36.68	.00	.01	.151	708.03
80.6000	.00	36.66	36.67	.00	.01	.151	708.03
80.7000	.00	36.65	36.66	.00	.01	.151	708.03
80.8000	.00	36.63	36.65	.00	.01	.151	708.03
80.9000	.00	36.62	36.63	.00	.01	.151	708.03
81.0000	.00	36.61	36.62	.00	.01	.151	708.03
81.1000	.00	36.60	36.61	.00	.01	.151	708.03
81.2000	.00	36.59	36.60	.00	.01	.151	708.03
81.3000	.00	36.57	36.59	.00	.01	.151	708.03
81.4000	.00	36.56	36.57	.00	.01	.151	708.03
81.5000	.00	36.55	36.56	.00	.01	.151	708.03
81.6000	.00	36.54	36.55	.00	.01	.151	708.03
81.7000	.00	36.53	36.54	.00	.01	.151	708.03
81.8000	.00	36.52	36.53	.00	.01	.151	708.03
81.9000	.00	36.50	36.52	.00	.01	.151	708.03
82.0000	.00	36.49	36.50	.00	.01	.151	708.03
82.1000	.00	36.48	36.49	.00	.01	.151	708.03
82.2000	.00	36.47	36.48	.00	.01	.151	708.03
82.3000	.00	36.46	36.47	.00	.01	.151	708.03
82.4000	.00	36.45	36.46	.00	.01	.151	708.03
82.5000	.00	36.43	36.45	.00	.01	.150	708.03
82.6000	.00	36.42	36.43	.00	.01	.150	708.03
82.7000	.00	36.41	36.42	.00	.01	.150	708.03
82.8000	.00	36.40	36.41	.00	.01	.150	708.03
82.9000	.00	36.39	36.40	.00	.01	.150	708.03
83.0000	.00	36.38	36.39	.00	.01	.150	708.03
83.1000	.00	36.37	36.38	.00	.01	.150	708.03
83.2000	.00	36.35	36.37	.00	.01	.150	708.03
83.3000	.00	36.34	36.35	.00	.01	.150	708.03
83.4000	.00	36.33	36.34	.00	.01	.150	708.03
83.5000	.00	36.32	36.33	.00	.01	.150	708.03
83.6000	.00	36.31	36.32	.00	.01	.150	708.03
83.7000	.00	36.30	36.31	.00	.01	.150	708.03
83.8000	.00	36.29	36.30	.00	.01	.150	708.03
83.9000	.00	36.28	36.29	.00	.01	.150	708.03

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

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 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
84.0000	.00	36.27	36.28	.00	.01	.150	708.03
84.1000	.00	36.26	36.27	.00	.01	.150	708.03
84.2000	.00	36.25	36.26	.00	.01	.150	708.03
84.3000	.00	36.23	36.25	.00	.01	.150	708.03
84.4000	.00	36.22	36.23	.00	.01	.150	708.03
84.5000	.00	36.21	36.22	.00	.01	.150	708.03
84.6000	.00	36.20	36.21	.00	.01	.150	708.02
84.7000	.00	36.19	36.20	.00	.01	.149	708.02
84.8000	.00	36.18	36.19	.00	.01	.149	708.02
84.9000	.00	36.17	36.18	.00	.01	.149	708.02
85.0000	.00	36.16	36.17	.00	.01	.149	708.02
85.1000	.00	36.15	36.16	.00	.01	.149	708.02
85.2000	.00	36.14	36.15	.00	.01	.149	708.02
85.3000	.00	36.13	36.14	.00	.01	.149	708.02
85.4000	.00	36.12	36.13	.00	.01	.149	708.02
85.5000	.00	36.11	36.12	.00	.01	.149	708.02
85.6000	.00	36.10	36.11	.00	.01	.149	708.02
85.7000	.00	36.09	36.10	.00	.01	.149	708.02
85.8000	.00	36.08	36.09	.00	.01	.149	708.02
85.9000	.00	36.07	36.08	.00	.01	.149	708.02
86.0000	.00	36.06	36.07	.00	.01	.149	708.02
86.1000	.00	36.05	36.06	.00	.00	.149	708.02
86.2000	.00	36.04	36.05	.00	.00	.149	708.02
86.3000	.00	36.03	36.04	.00	.00	.149	708.02
86.4000	.00	36.02	36.03	.00	.00	.149	708.02
86.5000	.00	36.01	36.02	.00	.00	.149	708.02
86.6000	.00	36.00	36.01	.00	.00	.149	708.02
86.7000	.00	35.99	36.00	.00	.00	.149	708.02
86.8000	.00	35.98	35.99	.00	.00	.149	708.02
86.9000	.00	35.97	35.98	.00	.00	.149	708.02
87.0000	.00	35.96	35.97	.00	.00	.149	708.02
87.1000	.00	35.95	35.96	.00	.00	.148	708.02
87.2000	.00	35.94	35.95	.00	.00	.148	708.02
87.3000	.00	35.93	35.94	.00	.00	.148	708.02
87.4000	.00	35.92	35.93	.00	.00	.148	708.02
87.5000	.00	35.91	35.92	.00	.00	.148	708.02
87.6000	.00	35.90	35.91	.00	.00	.148	708.02
87.7000	.00	35.89	35.90	.00	.00	.148	708.02
87.8000	.00	35.88	35.89	.00	.00	.148	708.02
87.9000	.00	35.88	35.88	.00	.00	.148	708.02
88.0000	.00	35.87	35.88	.00	.00	.148	708.02
88.1000	.00	35.86	35.87	.00	.00	.148	708.02

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.22
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
88.2000	.00	35.85	35.86	.00	.00	.148	708.02
88.3000	.00	35.84	35.85	.00	.00	.148	708.02
88.4000	.00	35.83	35.84	.00	.00	.148	708.02
88.5000	.00	35.82	35.83	.00	.00	.148	708.02
88.6000	.00	35.81	35.82	.00	.00	.148	708.02
88.7000	.00	35.80	35.81	.00	.00	.148	708.02
88.8000	.00	35.79	35.80	.00	.00	.148	708.02
88.9000	.00	35.78	35.79	.00	.00	.148	708.02
89.0000	.00	35.78	35.78	.00	.00	.148	708.02
89.1000	.00	35.77	35.78	.00	.00	.148	708.02
89.2000	.00	35.76	35.77	.00	.00	.148	708.02
89.3000	.00	35.75	35.76	.00	.00	.148	708.02
89.4000	.00	35.74	35.75	.00	.00	.148	708.02
89.5000	.00	35.73	35.74	.00	.00	.148	708.02
89.6000	.00	35.72	35.73	.00	.00	.148	708.02
89.7000	.00	35.71	35.72	.00	.00	.148	708.02
89.8000	.00	35.70	35.71	.00	.00	.147	708.02
89.9000	.00	35.70	35.70	.00	.00	.147	708.02
90.0000	.00	35.69	35.70	.00	.00	.147	708.02
90.1000	.00	35.68	35.69	.00	.00	.147	708.02
90.2000	.00	35.67	35.68	.00	.00	.147	708.02
90.3000	.00	35.66	35.67	.00	.00	.147	708.02
90.4000	.00	35.65	35.66	.00	.00	.147	708.02
90.5000	.00	35.65	35.65	.00	.00	.147	708.02
90.6000	.00	35.64	35.65	.00	.00	.147	708.02
90.7000	.00	35.63	35.64	.00	.00	.147	708.02
90.8000	.00	35.62	35.63	.00	.00	.147	708.02
90.9000	.00	35.61	35.62	.00	.00	.147	708.02
91.0000	.00	35.60	35.61	.00	.00	.147	708.02
91.1000	.00	35.60	35.60	.00	.00	.147	708.02
91.2000	.00	35.59	35.60	.00	.00	.147	708.02
91.3000	.00	35.58	35.59	.00	.00	.147	708.02
91.4000	.00	35.57	35.58	.00	.00	.147	708.02
91.5000	.00	35.56	35.57	.00	.00	.147	708.02
91.6000	.00	35.55	35.56	.00	.00	.147	708.02
91.7000	.00	35.55	35.55	.00	.00	.147	708.02
91.8000	.00	35.54	35.55	.00	.00	.147	708.02
91.9000	.00	35.53	35.54	.00	.00	.147	708.02
92.0000	.00	35.52	35.53	.00	.00	.147	708.02
92.1000	.00	35.51	35.52	.00	.00	.147	708.02
92.2000	.00	35.51	35.51	.00	.00	.147	708.02
92.3000	.00	35.50	35.51	.00	.00	.147	708.02

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.23
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
92.4000	.00	35.49	35.50	.00	.00	.147	708.02
92.5000	.00	35.48	35.49	.00	.00	.147	708.02
92.6000	.00	35.48	35.48	.00	.00	.147	708.02
92.7000	.00	35.47	35.48	.00	.00	.146	708.02
92.8000	.00	35.46	35.47	.00	.00	.146	708.02
92.9000	.00	35.45	35.46	.00	.00	.146	708.02
93.0000	.00	35.44	35.45	.00	.00	.146	708.02
93.1000	.00	35.44	35.44	.00	.00	.146	708.02
93.2000	.00	35.43	35.44	.00	.00	.146	708.02
93.3000	.00	35.42	35.43	.00	.00	.146	708.02
93.4000	.00	35.41	35.42	.00	.00	.146	708.02
93.5000	.00	35.41	35.41	.00	.00	.146	708.02
93.6000	.00	35.40	35.41	.00	.00	.146	708.02
93.7000	.00	35.39	35.40	.00	.00	.146	708.02
93.8000	.00	35.38	35.39	.00	.00	.146	708.02
93.9000	.00	35.38	35.38	.00	.00	.146	708.02
94.0000	.00	35.37	35.38	.00	.00	.146	708.02
94.1000	.00	35.36	35.37	.00	.00	.146	708.02
94.2000	.00	35.35	35.36	.00	.00	.146	708.02
94.3000	.00	35.35	35.35	.00	.00	.146	708.02
94.4000	.00	35.34	35.35	.00	.00	.146	708.02
94.5000	.00	35.33	35.34	.00	.00	.146	708.02
94.6000	.00	35.33	35.33	.00	.00	.146	708.02
94.7000	.00	35.32	35.33	.00	.00	.146	708.02
94.8000	.00	35.31	35.32	.00	.00	.146	708.02
94.9000	.00	35.30	35.31	.00	.00	.146	708.02
95.0000	.00	35.30	35.30	.00	.00	.146	708.02
95.1000	.00	35.29	35.30	.00	.00	.146	708.02
95.2000	.00	35.28	35.29	.00	.00	.146	708.02
95.3000	.00	35.28	35.28	.00	.00	.146	708.02
95.4000	.00	35.27	35.28	.00	.00	.146	708.02
95.5000	.00	35.26	35.27	.00	.00	.146	708.02
95.6000	.00	35.25	35.26	.00	.00	.146	708.02
95.7000	.00	35.25	35.25	.00	.00	.146	708.02
95.8000	.00	35.24	35.25	.00	.00	.146	708.02
95.9000	.00	35.23	35.24	.00	.00	.146	708.02
96.0000	.00	35.23	35.23	.00	.00	.146	708.02
96.1000	.00	35.22	35.23	.00	.00	.145	708.02
96.2000	.00	35.21	35.22	.00	.00	.145	708.02
96.3000	.00	35.21	35.21	.00	.00	.145	708.02
96.4000	.00	35.20	35.21	.00	.00	.145	708.02
96.5000	.00	35.19	35.20	.00	.00	.145	708.02

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 CD OUT Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 4.24
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 CD IN Dev 2
 Outflow HYG file = work_pad.hyg - CR 28 CD OUT Dev 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
96.6000	.00	35.19	35.19	.00	.00	.145	708.02
96.7000	.00	35.18	35.19	.00	.00	.145	708.02
96.8000	.00	35.17	35.18	.00	.00	.145	708.02
96.9000	.00	35.17	35.17	.00	.00	.145	708.02
97.0000	.00	35.16	35.17	.00	.00	.145	708.02
97.1000	.00	35.15	35.16	.00	.00	.145	708.02
97.2000	.00	35.15	35.15	.00	.00	.145	708.02
97.3000	.00	35.14	35.15	.00	.00	.145	708.02
97.4000	.00	35.13	35.14	.00	.00	.145	708.02
97.5000	.00	35.13	35.13	.00	.00	.145	708.02
97.6000	.00	35.12	35.13	.00	.00	.145	708.02
97.7000	.00	35.11	35.12	.00	.00	.145	708.02
97.8000	.00	35.11	35.11	.00	.00	.145	708.02
97.9000	.00	35.10	35.11	.00	.00	.145	708.02
98.0000	.00	35.10	35.10	.00	.00	.145	708.01
98.1000	.00	35.09	35.10	.00	.00	.145	708.01
98.2000	.00	35.08	35.09	.00	.00	.145	708.01
98.3000	.00	35.08	35.08	.00	.00	.145	708.01
98.4000	.00	35.07	35.08	.00	.00	.145	708.01
98.5000	.00	35.06	35.07	.00	.00	.145	708.01
98.6000	.00	35.06	35.06	.00	.00	.145	708.01
98.7000	.00	35.05	35.06	.00	.00	.145	708.01
98.8000	.00	35.05	35.05	.00	.00	.145	708.01
98.9000	.00	35.04	35.05	.00	.00	.145	708.01
99.0000	.00	35.03	35.04	.00	.00	.145	708.01
99.1000	.00	35.03	35.03	.00	.00	.145	708.01
99.2000	.00	35.02	35.03	.00	.00	.145	708.01
99.3000	.00	35.02	35.02	.00	.00	.145	708.01
99.4000	.00	35.01	35.02	.00	.00	.145	708.01
99.5000	.00	35.00	35.01	.00	.00	.145	708.01

Type.... C and Area

Name.... SUBAREA 30

Tag: POST

File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw

RATIONAL C COEFFICIENT DATA

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Soil/Surface Description	C	Area acres	C x Area acres
	.9000	8.290	7.461
	.7000	18.350	12.845

WEIGHTED C & TOTAL AREA ---> .7622 26.640 20.306

Type.... Mod. Rational Storm Calcs
 Name.... SUBAREA 30 Tag: Dev 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 2

Page 5.02
 Event: 2 yr

MODIFIED RATIONAL METHOD
 ---- Summary for Single Storm Frequency ----

$Q = CiA * \text{Units Conversion}; \text{ Where Conversion} = 43560 / (12 * 3600)$

RETURN FREQUENCY: 2 yr 'C' Adjustment = 1.000 Allowable Q = 23.92 cfs

Hydrograph Storm Duration, Td = .6833 hrs Tc = .3000 hrs
 Hydrograph File: Dev 2

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VOLUMES							
Wtd. 'C'	Adjusted 'C'	Duration hrs	Intens. in/hr	Area acres	Qpeak cfs	Inflow ac-ft	Storage ac-ft
.762	.762	.3000	2.9606	26.640	60.62	1.503	.910
.762	.762	.3333	2.8063	26.640	57.46	1.583	.957
.762	.762	.5000	2.2296	26.640	45.65	1.886	1.096
.762	.762	.6667	1.8530	26.640	37.94	2.090	1.135

***** Storage Maximum

.762	.762	.6833	1.8223	26.640	37.31	2.107	1.135
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.762	.762	.8333	1.5872	26.640	32.50	2.238	1.118
.762	.762	1.0000	1.3894	26.640	28.45	2.351	1.066
.762	.762	2.0000	.8016	26.640	16.41	Qpeak < Qallow	

Type.... Mod. Rational Storm Calcs
 Name.... SUBAREA 30 Tag: Dev 10
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev 10

Page 5.03
 Event: 10 yr

MODIFIED RATIONAL METHOD
 ---- Summary for Single Storm Frequency ----

$Q = CiA * \text{Units Conversion}; \text{ Where Conversion} = 43560 / (12 * 3600)$

RETURN FREQUENCY: 10 yr 'C' Adjustment = 1.000 Allowable Q = 34.58 cfs

Hydrograph Storm Duration, Td = .7333 hrs Tc = .3000 hrs
 Hydrograph File: Dev 10

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VOLUMES							
Wtd. 'C'	Adjusted 'C'	Duration hrs	Intens. in/hr	Area acres	Qpeak cfs	Inflow ac-ft	Storage ac-ft
.762	.762	.3000	4.2365	26.640	86.74	2.151	1.293
.762	.762	.3333	4.0235	26.640	82.38	2.269	1.364
.762	.762	.5000	3.2229	26.640	65.99	2.727	1.584
.762	.762	.6667	2.6954	26.640	55.19	3.041	1.659

***** Storage Maximum

.762	.762	.7333	2.5313	26.640	51.83	3.141	1.665
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.762	.762	.8333	2.3207	26.640	47.51	3.272	1.653
.762	.762	1.0000	2.0403	26.640	41.77	3.452	1.595
.762	.762	2.0000	1.1975	26.640	24.52	Qpeak < Qallow	

Type.... Mod. Rational Storm Calcs
 Name.... SUBAREA 30 Tag: Dev100
 File.... G:\KGruver\Exports\BMP Basin\CR 28 CD.ppw
 Storm... e, b, d Tag: Dev100

Page 5.04
 Event: 100 yr

MODIFIED RATIONAL METHOD
 ---- Summary for Single Storm Frequency ----

$Q = CiA * \text{Units Conversion}; \text{ Where Conversion} = 43560 / (12 * 3600)$

RETURN FREQUENCY: 100 yr 'C' Adjustment = 1.000 Allowable Q = 53.01 cfs

Hydrograph Storm Duration, Td = .6667 hrs Tc = .3000 hrs
 Hydrograph File: Dev100

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VOLUMES							
Wtd. 'C'	Adjusted 'C'	Duration hrs	Intens. in/hr	Area acres	Qpeak cfs	Inflow ac-ft	Storage ac-ft
.762	.762	.3000	6.5055	26.640	133.20	3.302	1.988
.762	.762	.3333	6.1820	26.640	126.57	3.487	2.099
.762	.762	.5000	4.9412	26.640	101.17	4.180	2.428
***** Storage Maximum							
.762	.762	.6667	4.1052	26.640	84.05	4.631	2.513

.762	.762	.6667	4.1052	26.640	84.05	4.631	2.513
.762	.762	.8333	3.5051	26.640	71.76	4.942	2.460
.762	.762	1.0000	3.0539	26.640	62.53	5.167	2.320
.762	.762	2.0000	1.7026	26.640	34.86	Qpeak < Qallow	

