

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

Table with 5 columns: Return Event, Rainfall Type, e coeff, b coeff, d coeff. Rows for 2, 10, and 100 return events.

MASTER NETWORK SUMMARY
Modified Rational Method Network

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

Table with 9 columns: Node ID, Type, Return Event, HYG Vol ac-ft, Trun, Qpeak hrs, Qpeak cfs, Max WSEL ft, Max Pond Storage ac-ft. Rows for various nodes and events.

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 RAMP AB	AREA	2	.562	L	.2200	12.36		
CR RAMP AB	AREA	10	.828	L	.2200	17.26		
CR RAMP AB	AREA	100	1.246	L	.2200	27.40		
*OUTFALL	JCT	2	.512		.7000	.16		
*OUTFALL	JCT	10	.774		.8000	3.21		
*OUTFALL	JCT	100	1.189		.6000	14.96		

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

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (ac-ft)	Volume Sum (ac-ft)
719.50	-----	935	0	.000	.000
720.00	-----	7184	10711	.041	.041
721.00	-----	8690	23775	.182	.223
722.00	-----	10264	28398	.217	.440
723.00	-----	11928	33257	.254	.695
724.00	-----	13682	38385	.294	.988
725.00	-----	15569	43846	.336	1.324
726.00	-----	17456	49511	.379	1.703

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.... 2"

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

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 719.50 ft
Increment = .10 ft
Max. Elev.= 726.00 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	720.000	726.000
Weir-Rectangular	W0	--->	TW	723.000	726.000
TW SETUP, DS Channel					

Type.... Outlet Input Data
Name.... 2"

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

OUTLET STRUCTURE INPUT DATA

Structure ID = 00
Structure Type = Orifice-Circular

of Openings = 1
Invert Elev. = 720.00 ft
Diameter = 2.00 in
Orifice Coeff. = .600

Structure ID = W0
Structure Type = Weir-Rectangular

of Openings = 1
Crest Elev. = 723.00 ft
Weir Length = 6.00 ft
Weir Coeff. = 3.000000

Weir TW effects (Use adjustment equation)

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

FREE OUTFALL CONDITIONS SPECIFIED

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.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 2

Time hrs	Inflow cfs	2S/t - 0 cfs	2S/t + 0 cfs	Infilt. cfs	Outflow cfs	Storage ac-ft	Elev. ft
.0000	.00	.00	.00	.00	.00	.000	719.50
.1000	5.62	5.62	5.62	.00	.00	.023	719.87
.2000	11.24	22.38	22.47	.00	.05	.093	720.30
.3000	12.36	45.79	45.97	.00	.09	.190	720.83
.4000	12.36	70.28	70.51	.00	.12	.291	721.33
.5000	12.36	94.72	95.00	.00	.14	.392	721.79
.6000	9.21	116.00	116.30	.00	.15	.480	722.17
.7000	3.93	128.82	129.14	.00	.16	.533	722.38
.8000	.56	133.00	133.32	.00	.16	.550	722.45
.9000	.00	132.67	133.00	.00	.16	.549	722.45
1.0000	.00	132.35	132.67	.00	.16	.548	722.44
1.1000	.00	132.03	132.35	.00	.16	.546	722.43
1.2000	.00	131.71	132.03	.00	.16	.545	722.43
1.3000	.00	131.39	131.71	.00	.16	.544	722.42
1.4000	.00	131.07	131.39	.00	.16	.542	722.42
1.5000	.00	130.74	131.07	.00	.16	.541	722.41
1.6000	.00	130.42	130.74	.00	.16	.540	722.41
1.7000	.00	130.10	130.42	.00	.16	.538	722.40
1.8000	.00	129.78	130.10	.00	.16	.537	722.40
1.9000	.00	129.47	129.78	.00	.16	.536	722.39
2.0000	.00	129.15	129.47	.00	.16	.534	722.39
2.1000	.00	128.83	129.15	.00	.16	.533	722.38
2.2000	.00	128.51	128.83	.00	.16	.532	722.38
2.3000	.00	128.19	128.51	.00	.16	.530	722.37
2.4000	.00	127.88	128.19	.00	.16	.529	722.37
2.5000	.00	127.56	127.88	.00	.16	.528	722.36
2.6000	.00	127.24	127.56	.00	.16	.526	722.36
2.7000	.00	126.93	127.24	.00	.16	.525	722.35
2.8000	.00	126.61	126.93	.00	.16	.524	722.35
2.9000	.00	126.29	126.61	.00	.16	.522	722.34
3.0000	.00	125.98	126.29	.00	.16	.521	722.33
3.1000	.00	125.66	125.98	.00	.16	.520	722.33
3.2000	.00	125.35	125.66	.00	.16	.519	722.32
3.3000	.00	125.04	125.35	.00	.16	.517	722.32
3.4000	.00	124.72	125.04	.00	.16	.516	722.31
3.5000	.00	124.41	124.72	.00	.16	.515	722.31
3.6000	.00	124.10	124.41	.00	.16	.513	722.30
3.7000	.00	123.78	124.10	.00	.16	.512	722.30
3.8000	.00	123.47	123.78	.00	.16	.511	722.29
3.9000	.00	123.16	123.47	.00	.16	.510	722.29
4.0000	.00	122.85	123.16	.00	.16	.508	722.28
4.1000	.00	122.54	122.85	.00	.16	.507	722.28

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	122.23	122.54	.00	.16	.506	722.27
4.3000	.00	121.92	122.23	.00	.16	.504	722.27
4.4000	.00	121.61	121.92	.00	.15	.503	722.26
4.5000	.00	121.30	121.61	.00	.15	.502	722.26
4.6000	.00	120.99	121.30	.00	.15	.501	722.25
4.7000	.00	120.68	120.99	.00	.15	.499	722.25
4.8000	.00	120.37	120.68	.00	.15	.498	722.24
4.9000	.00	120.06	120.37	.00	.15	.497	722.24
5.0000	.00	119.76	120.06	.00	.15	.495	722.23
5.1000	.00	119.45	119.76	.00	.15	.494	722.23
5.2000	.00	119.14	119.45	.00	.15	.493	722.22
5.3000	.00	118.83	119.14	.00	.15	.492	722.21
5.4000	.00	118.53	118.83	.00	.15	.490	722.21
5.5000	.00	118.22	118.53	.00	.15	.489	722.20
5.6000	.00	117.92	118.22	.00	.15	.488	722.20
5.7000	.00	117.61	117.92	.00	.15	.487	722.19
5.8000	.00	117.31	117.61	.00	.15	.485	722.19
5.9000	.00	117.00	117.31	.00	.15	.484	722.18
6.0000	.00	116.70	117.00	.00	.15	.483	722.18
6.1000	.00	116.39	116.70	.00	.15	.482	722.17
6.2000	.00	116.09	116.39	.00	.15	.480	722.17
6.3000	.00	115.79	116.09	.00	.15	.479	722.16
6.4000	.00	115.49	115.79	.00	.15	.478	722.16
6.5000	.00	115.18	115.49	.00	.15	.477	722.15
6.6000	.00	114.88	115.18	.00	.15	.475	722.15
6.7000	.00	114.58	114.88	.00	.15	.474	722.14
6.8000	.00	114.28	114.58	.00	.15	.473	722.14
6.9000	.00	113.98	114.28	.00	.15	.472	722.13
7.0000	.00	113.68	113.98	.00	.15	.470	722.13
7.1000	.00	113.38	113.68	.00	.15	.469	722.12
7.2000	.00	113.08	113.38	.00	.15	.468	722.12
7.3000	.00	112.78	113.08	.00	.15	.467	722.11
7.4000	.00	112.48	112.78	.00	.15	.465	722.11
7.5000	.00	112.18	112.48	.00	.15	.464	722.10
7.6000	.00	111.89	112.18	.00	.15	.463	722.10
7.7000	.00	111.59	111.89	.00	.15	.462	722.09
7.8000	.00	111.29	111.59	.00	.15	.460	722.09
7.9000	.00	111.00	111.29	.00	.15	.459	722.08
8.0000	.00	110.70	111.00	.00	.15	.458	722.08
8.1000	.00	110.40	110.70	.00	.15	.457	722.07
8.2000	.00	110.11	110.40	.00	.15	.456	722.06
8.3000	.00	109.81	110.11	.00	.15	.454	722.06

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	109.52	109.81	.00	.15	.453	722.05
8.5000	.00	109.22	109.52	.00	.15	.452	722.05
8.6000	.00	108.93	109.22	.00	.15	.451	722.04
8.7000	.00	108.64	108.93	.00	.15	.449	722.04
8.8000	.00	108.34	108.64	.00	.15	.448	722.03
8.9000	.00	108.05	108.34	.00	.15	.447	722.03
9.0000	.00	107.76	108.05	.00	.15	.446	722.02
9.1000	.00	107.46	107.76	.00	.15	.445	722.02
9.2000	.00	107.17	107.46	.00	.15	.443	722.01
9.3000	.00	106.88	107.17	.00	.15	.442	722.01
9.4000	.00	106.59	106.88	.00	.15	.441	722.00
9.5000	.00	106.30	106.59	.00	.15	.440	722.00
9.6000	.00	106.01	106.30	.00	.15	.439	721.99
9.7000	.00	105.72	106.01	.00	.14	.437	721.99
9.8000	.00	105.43	105.72	.00	.14	.436	721.98
9.9000	.00	105.14	105.43	.00	.14	.435	721.98
10.0000	.00	104.85	105.14	.00	.14	.434	721.97
10.1000	.00	104.56	104.85	.00	.14	.433	721.97
10.2000	.00	104.28	104.56	.00	.14	.431	721.96
10.3000	.00	103.99	104.28	.00	.14	.430	721.96
10.4000	.00	103.70	103.99	.00	.14	.429	721.95
10.5000	.00	103.41	103.70	.00	.14	.428	721.95
10.6000	.00	103.13	103.41	.00	.14	.427	721.94
10.7000	.00	102.84	103.13	.00	.14	.426	721.94
10.8000	.00	102.56	102.84	.00	.14	.424	721.93
10.9000	.00	102.27	102.56	.00	.14	.423	721.93
11.0000	.00	101.99	102.27	.00	.14	.422	721.92
11.1000	.00	101.70	101.99	.00	.14	.421	721.92
11.2000	.00	101.42	101.70	.00	.14	.420	721.91
11.3000	.00	101.14	101.42	.00	.14	.418	721.91
11.4000	.00	100.85	101.14	.00	.14	.417	721.90
11.5000	.00	100.57	100.85	.00	.14	.416	721.90
11.6000	.00	100.29	100.57	.00	.14	.415	721.89
11.7000	.00	100.00	100.29	.00	.14	.414	721.89
11.8000	.00	99.72	100.00	.00	.14	.413	721.88
11.9000	.00	99.44	99.72	.00	.14	.411	721.88
12.0000	.00	99.16	99.44	.00	.14	.410	721.87
12.1000	.00	98.88	99.16	.00	.14	.409	721.87
12.2000	.00	98.60	98.88	.00	.14	.408	721.86
12.3000	.00	98.32	98.60	.00	.14	.407	721.86
12.4000	.00	98.04	98.32	.00	.14	.406	721.85
12.5000	.00	97.76	98.04	.00	.14	.405	721.85

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	97.48	97.76	.00	.14	.403	721.84
12.7000	.00	97.21	97.48	.00	.14	.402	721.84
12.8000	.00	96.93	97.21	.00	.14	.401	721.83
12.9000	.00	96.65	96.93	.00	.14	.400	721.83
13.0000	.00	96.37	96.65	.00	.14	.399	721.82
13.1000	.00	96.10	96.37	.00	.14	.398	721.82
13.2000	.00	95.82	96.10	.00	.14	.397	721.81
13.3000	.00	95.55	95.82	.00	.14	.395	721.81
13.4000	.00	95.27	95.55	.00	.14	.394	721.80
13.5000	.00	95.00	95.27	.00	.14	.393	721.80
13.6000	.00	94.72	95.00	.00	.14	.392	721.79
13.7000	.00	94.45	94.72	.00	.14	.391	721.79
13.8000	.00	94.17	94.45	.00	.14	.390	721.78
13.9000	.00	93.90	94.17	.00	.14	.389	721.78
14.0000	.00	93.63	93.90	.00	.14	.387	721.77
14.1000	.00	93.36	93.63	.00	.14	.386	721.77
14.2000	.00	93.08	93.36	.00	.14	.385	721.76
14.3000	.00	92.81	93.08	.00	.14	.384	721.76
14.4000	.00	92.54	92.81	.00	.14	.383	721.75
14.5000	.00	92.27	92.54	.00	.14	.382	721.75
14.6000	.00	92.00	92.27	.00	.14	.381	721.74
14.7000	.00	91.73	92.00	.00	.14	.380	721.74
14.8000	.00	91.46	91.73	.00	.13	.378	721.73
14.9000	.00	91.19	91.46	.00	.13	.377	721.73
15.0000	.00	90.92	91.19	.00	.13	.376	721.72
15.1000	.00	90.65	90.92	.00	.13	.375	721.72
15.2000	.00	90.39	90.65	.00	.13	.374	721.71
15.3000	.00	90.12	90.39	.00	.13	.373	721.71
15.4000	.00	89.85	90.12	.00	.13	.372	721.70
15.5000	.00	89.58	89.85	.00	.13	.371	721.70
15.6000	.00	89.32	89.58	.00	.13	.370	721.69
15.7000	.00	89.05	89.32	.00	.13	.369	721.69
15.8000	.00	88.79	89.05	.00	.13	.367	721.68
15.9000	.00	88.52	88.79	.00	.13	.366	721.68
16.0000	.00	88.26	88.52	.00	.13	.365	721.67
16.1000	.00	87.99	88.26	.00	.13	.364	721.67
16.2000	.00	87.73	87.99	.00	.13	.363	721.66
16.3000	.00	87.46	87.73	.00	.13	.362	721.66
16.4000	.00	87.20	87.46	.00	.13	.361	721.65
16.5000	.00	86.94	87.20	.00	.13	.360	721.65
16.6000	.00	86.68	86.94	.00	.13	.359	721.64
16.7000	.00	86.41	86.68	.00	.13	.358	721.64

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	86.15	86.41	.00	.13	.357	721.63
16.9000	.00	85.89	86.15	.00	.13	.355	721.63
17.0000	.00	85.63	85.89	.00	.13	.354	721.62
17.1000	.00	85.37	85.63	.00	.13	.353	721.62
17.2000	.00	85.11	85.37	.00	.13	.352	721.61
17.3000	.00	84.85	85.11	.00	.13	.351	721.61
17.4000	.00	84.59	84.85	.00	.13	.350	721.61
17.5000	.00	84.33	84.59	.00	.13	.349	721.60
17.6000	.00	84.07	84.33	.00	.13	.348	721.60
17.7000	.00	83.82	84.07	.00	.13	.347	721.59
17.8000	.00	83.56	83.82	.00	.13	.346	721.59
17.9000	.00	83.30	83.56	.00	.13	.345	721.58
18.0000	.00	83.05	83.30	.00	.13	.344	721.58
18.1000	.00	82.79	83.05	.00	.13	.343	721.57
18.2000	.00	82.53	82.79	.00	.13	.342	721.57
18.3000	.00	82.28	82.53	.00	.13	.340	721.56
18.4000	.00	82.02	82.28	.00	.13	.339	721.56
18.5000	.00	81.77	82.02	.00	.13	.338	721.55
18.6000	.00	81.52	81.77	.00	.13	.337	721.55
18.7000	.00	81.26	81.52	.00	.13	.336	721.54
18.8000	.00	81.01	81.26	.00	.13	.335	721.54
18.9000	.00	80.76	81.01	.00	.13	.334	721.53
19.0000	.00	80.50	80.76	.00	.13	.333	721.53
19.1000	.00	80.25	80.50	.00	.13	.332	721.52
19.2000	.00	80.00	80.25	.00	.13	.331	721.52
19.3000	.00	79.75	80.00	.00	.13	.330	721.51
19.4000	.00	79.50	79.75	.00	.13	.329	721.51
19.5000	.00	79.25	79.50	.00	.13	.328	721.50
19.6000	.00	79.00	79.25	.00	.12	.327	721.50
19.7000	.00	78.75	79.00	.00	.12	.326	721.49
19.8000	.00	78.50	78.75	.00	.12	.325	721.49
19.9000	.00	78.25	78.50	.00	.12	.324	721.49
20.0000	.00	78.00	78.25	.00	.12	.323	721.48
20.1000	.00	77.75	78.00	.00	.12	.322	721.48
20.2000	.00	77.51	77.75	.00	.12	.321	721.47
20.3000	.00	77.26	77.51	.00	.12	.320	721.47
20.4000	.00	77.01	77.26	.00	.12	.319	721.46
20.5000	.00	76.77	77.01	.00	.12	.318	721.46
20.6000	.00	76.52	76.77	.00	.12	.317	721.45
20.7000	.00	76.28	76.52	.00	.12	.316	721.45
20.8000	.00	76.03	76.28	.00	.12	.315	721.44
20.9000	.00	75.79	76.03	.00	.12	.314	721.44

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	75.54	75.79	.00	.12	.313	721.43
21.1000	.00	75.30	75.54	.00	.12	.312	721.43
21.2000	.00	75.06	75.30	.00	.12	.311	721.42
21.3000	.00	74.81	75.06	.00	.12	.310	721.42
21.4000	.00	74.57	74.81	.00	.12	.309	721.41
21.5000	.00	74.33	74.57	.00	.12	.308	721.41
21.6000	.00	74.09	74.33	.00	.12	.307	721.41
21.7000	.00	73.85	74.09	.00	.12	.306	721.40
21.8000	.00	73.61	73.85	.00	.12	.305	721.40
21.9000	.00	73.37	73.61	.00	.12	.304	721.39
22.0000	.00	73.13	73.37	.00	.12	.303	721.39
22.1000	.00	72.89	73.13	.00	.12	.302	721.38
22.2000	.00	72.65	72.89	.00	.12	.301	721.38
22.3000	.00	72.41	72.65	.00	.12	.300	721.37
22.4000	.00	72.17	72.41	.00	.12	.299	721.37
22.5000	.00	71.94	72.17	.00	.12	.298	721.36
22.6000	.00	71.70	71.94	.00	.12	.297	721.36
22.7000	.00	71.46	71.70	.00	.12	.296	721.35
22.8000	.00	71.22	71.46	.00	.12	.295	721.35
22.9000	.00	70.99	71.22	.00	.12	.294	721.34
23.0000	.00	70.75	70.99	.00	.12	.293	721.34
23.1000	.00	70.52	70.75	.00	.12	.292	721.34
23.2000	.00	70.28	70.52	.00	.12	.291	721.33
23.3000	.00	70.05	70.28	.00	.12	.290	721.33
23.4000	.00	69.82	70.05	.00	.12	.289	721.32
23.5000	.00	69.58	69.82	.00	.12	.288	721.32
23.6000	.00	69.35	69.58	.00	.12	.287	721.31
23.7000	.00	69.12	69.35	.00	.12	.286	721.31
23.8000	.00	68.89	69.12	.00	.12	.285	721.30
23.9000	.00	68.65	68.89	.00	.12	.284	721.30
24.0000	.00	68.42	68.65	.00	.12	.283	721.29
24.1000	.00	68.19	68.42	.00	.12	.282	721.29
24.2000	.00	67.96	68.19	.00	.12	.281	721.29
24.3000	.00	67.73	67.96	.00	.11	.280	721.28
24.4000	.00	67.50	67.73	.00	.11	.279	721.28
24.5000	.00	67.27	67.50	.00	.11	.278	721.27
24.6000	.00	67.05	67.27	.00	.11	.277	721.27
24.7000	.00	66.82	67.05	.00	.11	.277	721.26
24.8000	.00	66.59	66.82	.00	.11	.276	721.26
24.9000	.00	66.36	66.59	.00	.11	.275	721.25
25.0000	.00	66.14	66.36	.00	.11	.274	721.25
25.1000	.00	65.91	66.14	.00	.11	.273	721.24

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	65.68	65.91	.00	.11	.272	721.24
25.3000	.00	65.46	65.68	.00	.11	.271	721.24
25.4000	.00	65.23	65.46	.00	.11	.270	721.23
25.5000	.00	65.01	65.23	.00	.11	.269	721.23
25.6000	.00	64.79	65.01	.00	.11	.268	721.22
25.7000	.00	64.56	64.79	.00	.11	.267	721.22
25.8000	.00	64.34	64.56	.00	.11	.266	721.21
25.9000	.00	64.12	64.34	.00	.11	.265	721.21
26.0000	.00	63.89	64.12	.00	.11	.264	721.20
26.1000	.00	63.67	63.89	.00	.11	.264	721.20
26.2000	.00	63.45	63.67	.00	.11	.263	721.20
26.3000	.00	63.23	63.45	.00	.11	.262	721.19
26.4000	.00	63.01	63.23	.00	.11	.261	721.19
26.5000	.00	62.79	63.01	.00	.11	.260	721.18
26.6000	.00	62.57	62.79	.00	.11	.259	721.18
26.7000	.00	62.35	62.57	.00	.11	.258	721.17
26.8000	.00	62.13	62.35	.00	.11	.257	721.17
26.9000	.00	61.91	62.13	.00	.11	.256	721.16
27.0000	.00	61.69	61.91	.00	.11	.255	721.16
27.1000	.00	61.48	61.69	.00	.11	.254	721.16
27.2000	.00	61.26	61.48	.00	.11	.254	721.15
27.3000	.00	61.04	61.26	.00	.11	.253	721.15
27.4000	.00	60.83	61.04	.00	.11	.252	721.14
27.5000	.00	60.61	60.83	.00	.11	.251	721.14
27.6000	.00	60.40	60.61	.00	.11	.250	721.13
27.7000	.00	60.18	60.40	.00	.11	.249	721.13
27.8000	.00	59.97	60.18	.00	.11	.248	721.13
27.9000	.00	59.75	59.97	.00	.11	.247	721.12
28.0000	.00	59.54	59.75	.00	.11	.246	721.12
28.1000	.00	59.33	59.54	.00	.11	.246	721.11
28.2000	.00	59.11	59.33	.00	.11	.245	721.11
28.3000	.00	58.90	59.11	.00	.11	.244	721.10
28.4000	.00	58.69	58.90	.00	.11	.243	721.10
28.5000	.00	58.48	58.69	.00	.11	.242	721.10
28.6000	.00	58.27	58.48	.00	.11	.241	721.09
28.7000	.00	58.06	58.27	.00	.11	.240	721.09
28.8000	.00	57.85	58.06	.00	.10	.239	721.08
28.9000	.00	57.64	57.85	.00	.10	.239	721.08
29.0000	.00	57.43	57.64	.00	.10	.238	721.07
29.1000	.00	57.22	57.43	.00	.10	.237	721.07
29.2000	.00	57.01	57.22	.00	.10	.236	721.07
29.3000	.00	56.81	57.01	.00	.10	.235	721.06

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	56.60	56.81	.00	.10	.234	721.06
29.5000	.00	56.39	56.60	.00	.10	.233	721.05
29.6000	.00	56.19	56.39	.00	.10	.233	721.05
29.7000	.00	55.98	56.19	.00	.10	.232	721.04
29.8000	.00	55.77	55.98	.00	.10	.231	721.04
29.9000	.00	55.57	55.77	.00	.10	.230	721.04
30.0000	.00	55.37	55.57	.00	.10	.229	721.03
30.1000	.00	55.16	55.37	.00	.10	.228	721.03
30.2000	.00	54.96	55.16	.00	.10	.227	721.02
30.3000	.00	54.75	54.96	.00	.10	.227	721.02
30.4000	.00	54.55	54.75	.00	.10	.226	721.01
30.5000	.00	54.35	54.55	.00	.10	.225	721.01
30.6000	.00	54.15	54.35	.00	.10	.224	721.01
30.7000	.00	53.95	54.15	.00	.10	.223	721.00
30.8000	.00	53.75	53.95	.00	.10	.223	721.00
30.9000	.00	53.55	53.75	.00	.10	.222	720.99
31.0000	.00	53.35	53.55	.00	.10	.221	720.99
31.1000	.00	53.15	53.35	.00	.10	.220	720.99
31.2000	.00	52.95	53.15	.00	.10	.219	720.98
31.3000	.00	52.75	52.95	.00	.10	.218	720.98
31.4000	.00	52.55	52.75	.00	.10	.218	720.97
31.5000	.00	52.35	52.55	.00	.10	.217	720.97
31.6000	.00	52.16	52.35	.00	.10	.216	720.96
31.7000	.00	51.96	52.16	.00	.10	.215	720.96
31.8000	.00	51.76	51.96	.00	.10	.214	720.96
31.9000	.00	51.57	51.76	.00	.10	.213	720.95
32.0000	.00	51.37	51.57	.00	.10	.213	720.95
32.1000	.00	51.18	51.37	.00	.10	.212	720.94
32.2000	.00	50.98	51.18	.00	.10	.211	720.94
32.3000	.00	50.79	50.98	.00	.10	.210	720.94
32.4000	.00	50.60	50.79	.00	.10	.209	720.93
32.5000	.00	50.40	50.60	.00	.10	.209	720.93
32.6000	.00	50.21	50.40	.00	.10	.208	720.92
32.7000	.00	50.02	50.21	.00	.10	.207	720.92
32.8000	.00	49.83	50.02	.00	.10	.206	720.92
32.9000	.00	49.64	49.83	.00	.10	.205	720.91
33.0000	.00	49.45	49.64	.00	.10	.205	720.91
33.1000	.00	49.26	49.45	.00	.10	.204	720.90
33.2000	.00	49.07	49.26	.00	.09	.203	720.90
33.3000	.00	48.88	49.07	.00	.09	.202	720.90
33.4000	.00	48.69	48.88	.00	.09	.202	720.89
33.5000	.00	48.50	48.69	.00	.09	.201	720.89

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	48.31	48.50	.00	.09	.200	720.88
33.7000	.00	48.12	48.31	.00	.09	.199	720.88
33.8000	.00	47.94	48.12	.00	.09	.198	720.88
33.9000	.00	47.75	47.94	.00	.09	.198	720.87
34.0000	.00	47.56	47.75	.00	.09	.197	720.87
34.1000	.00	47.38	47.56	.00	.09	.196	720.86
34.2000	.00	47.19	47.38	.00	.09	.195	720.86
34.3000	.00	47.01	47.19	.00	.09	.195	720.86
34.4000	.00	46.83	47.01	.00	.09	.194	720.85
34.5000	.00	46.64	46.83	.00	.09	.193	720.85
34.6000	.00	46.46	46.64	.00	.09	.192	720.84
34.7000	.00	46.28	46.46	.00	.09	.192	720.84
34.8000	.00	46.09	46.28	.00	.09	.191	720.84
34.9000	.00	45.91	46.09	.00	.09	.190	720.83
35.0000	.00	45.73	45.91	.00	.09	.189	720.83
35.1000	.00	45.55	45.73	.00	.09	.189	720.83
35.2000	.00	45.37	45.55	.00	.09	.188	720.82
35.3000	.00	45.19	45.37	.00	.09	.187	720.82
35.4000	.00	45.01	45.19	.00	.09	.186	720.81
35.5000	.00	44.83	45.01	.00	.09	.186	720.81
35.6000	.00	44.65	44.83	.00	.09	.185	720.81
35.7000	.00	44.47	44.65	.00	.09	.184	720.80
35.8000	.00	44.30	44.47	.00	.09	.183	720.80
35.9000	.00	44.12	44.30	.00	.09	.183	720.79
36.0000	.00	43.94	44.12	.00	.09	.182	720.79
36.1000	.00	43.77	43.94	.00	.09	.181	720.79
36.2000	.00	43.59	43.77	.00	.09	.180	720.78
36.3000	.00	43.42	43.59	.00	.09	.180	720.78
36.4000	.00	43.24	43.42	.00	.09	.179	720.78
36.5000	.00	43.07	43.24	.00	.09	.178	720.77
36.6000	.00	42.89	43.07	.00	.09	.178	720.77
36.7000	.00	42.72	42.89	.00	.09	.177	720.76
36.8000	.00	42.55	42.72	.00	.09	.176	720.76
36.9000	.00	42.38	42.55	.00	.09	.175	720.76
37.0000	.00	42.20	42.38	.00	.09	.175	720.75
37.1000	.00	42.03	42.20	.00	.09	.174	720.75
37.2000	.00	41.86	42.03	.00	.09	.173	720.75
37.3000	.00	41.69	41.86	.00	.09	.173	720.74
37.4000	.00	41.52	41.69	.00	.08	.172	720.74
37.5000	.00	41.35	41.52	.00	.08	.171	720.73
37.6000	.00	41.18	41.35	.00	.08	.170	720.73
37.7000	.00	41.02	41.18	.00	.08	.170	720.73

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	40.85	41.02	.00	.08	.169	720.72
37.9000	.00	40.68	40.85	.00	.08	.168	720.72
38.0000	.00	40.51	40.68	.00	.08	.168	720.72
38.1000	.00	40.35	40.51	.00	.08	.167	720.71
38.2000	.00	40.18	40.35	.00	.08	.166	720.71
38.3000	.00	40.02	40.18	.00	.08	.166	720.71
38.4000	.00	39.85	40.02	.00	.08	.165	720.70
38.5000	.00	39.69	39.85	.00	.08	.164	720.70
38.6000	.00	39.52	39.69	.00	.08	.164	720.69
38.7000	.00	39.36	39.52	.00	.08	.163	720.69
38.8000	.00	39.19	39.36	.00	.08	.162	720.69
38.9000	.00	39.03	39.19	.00	.08	.162	720.68
39.0000	.00	38.87	39.03	.00	.08	.161	720.68
39.1000	.00	38.71	38.87	.00	.08	.160	720.68
39.2000	.00	38.55	38.71	.00	.08	.160	720.67
39.3000	.00	38.39	38.55	.00	.08	.159	720.67
39.4000	.00	38.23	38.39	.00	.08	.158	720.67
39.5000	.00	38.07	38.23	.00	.08	.158	720.66
39.6000	.00	37.91	38.07	.00	.08	.157	720.66
39.7000	.00	37.75	37.91	.00	.08	.156	720.66
39.8000	.00	37.59	37.75	.00	.08	.156	720.65
39.9000	.00	37.43	37.59	.00	.08	.155	720.65
40.0000	.00	37.28	37.43	.00	.08	.154	720.64
40.1000	.00	37.12	37.28	.00	.08	.154	720.64
40.2000	.00	36.96	37.12	.00	.08	.153	720.64
40.3000	.00	36.81	36.96	.00	.08	.152	720.63
40.4000	.00	36.65	36.81	.00	.08	.152	720.63
40.5000	.00	36.50	36.65	.00	.08	.151	720.63
40.6000	.00	36.34	36.50	.00	.08	.150	720.62
40.7000	.00	36.19	36.34	.00	.08	.150	720.62
40.8000	.00	36.04	36.19	.00	.08	.149	720.62
40.9000	.00	35.88	36.04	.00	.08	.149	720.61
41.0000	.00	35.73	35.88	.00	.08	.148	720.61
41.1000	.00	35.58	35.73	.00	.08	.147	720.61
41.2000	.00	35.43	35.58	.00	.08	.147	720.60
41.3000	.00	35.28	35.43	.00	.08	.146	720.60
41.4000	.00	35.13	35.28	.00	.08	.145	720.60
41.5000	.00	34.98	35.13	.00	.07	.145	720.59
41.6000	.00	34.83	34.98	.00	.07	.144	720.59
41.7000	.00	34.68	34.83	.00	.07	.144	720.59
41.8000	.00	34.53	34.68	.00	.07	.143	720.58
41.9000	.00	34.38	34.53	.00	.07	.142	720.58

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	34.23	34.38	.00	.07	.142	720.58
42.1000	.00	34.09	34.23	.00	.07	.141	720.57
42.2000	.00	33.94	34.09	.00	.07	.141	720.57
42.3000	.00	33.79	33.94	.00	.07	.140	720.57
42.4000	.00	33.65	33.79	.00	.07	.139	720.56
42.5000	.00	33.50	33.65	.00	.07	.139	720.56
42.6000	.00	33.36	33.50	.00	.07	.138	720.56
42.7000	.00	33.22	33.36	.00	.07	.138	720.55
42.8000	.00	33.07	33.22	.00	.07	.137	720.55
42.9000	.00	32.93	33.07	.00	.07	.136	720.55
43.0000	.00	32.79	32.93	.00	.07	.136	720.54
43.1000	.00	32.64	32.79	.00	.07	.135	720.54
43.2000	.00	32.50	32.64	.00	.07	.135	720.54
43.3000	.00	32.36	32.50	.00	.07	.134	720.53
43.4000	.00	32.22	32.36	.00	.07	.133	720.53
43.5000	.00	32.08	32.22	.00	.07	.133	720.53
43.6000	.00	31.94	32.08	.00	.07	.132	720.53
43.7000	.00	31.80	31.94	.00	.07	.132	720.52
43.8000	.00	31.66	31.80	.00	.07	.131	720.52
43.9000	.00	31.53	31.66	.00	.07	.131	720.52
44.0000	.00	31.39	31.53	.00	.07	.130	720.51
44.1000	.00	31.25	31.39	.00	.07	.129	720.51
44.2000	.00	31.12	31.25	.00	.07	.129	720.51
44.3000	.00	30.98	31.12	.00	.07	.128	720.50
44.4000	.00	30.84	30.98	.00	.07	.128	720.50
44.5000	.00	30.71	30.84	.00	.07	.127	720.50
44.6000	.00	30.57	30.71	.00	.07	.127	720.49
44.7000	.00	30.44	30.57	.00	.07	.126	720.49
44.8000	.00	30.31	30.44	.00	.07	.125	720.49
44.9000	.00	30.17	30.31	.00	.07	.125	720.49
45.0000	.00	30.04	30.17	.00	.07	.124	720.48
45.1000	.00	29.91	30.04	.00	.07	.124	720.48
45.2000	.00	29.78	29.91	.00	.07	.123	720.48
45.3000	.00	29.65	29.78	.00	.07	.123	720.47
45.4000	.00	29.52	29.65	.00	.07	.122	720.47
45.5000	.00	29.39	29.52	.00	.06	.122	720.47
45.6000	.00	29.26	29.39	.00	.06	.121	720.46
45.7000	.00	29.13	29.26	.00	.06	.121	720.46
45.8000	.00	29.00	29.13	.00	.06	.120	720.46
45.9000	.00	28.87	29.00	.00	.06	.120	720.46
46.0000	.00	28.75	28.87	.00	.06	.119	720.45
46.1000	.00	28.62	28.75	.00	.06	.118	720.45

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	28.49	28.62	.00	.06	.118	720.45
46.3000	.00	28.37	28.49	.00	.06	.117	720.44
46.4000	.00	28.24	28.37	.00	.06	.117	720.44
46.5000	.00	28.12	28.24	.00	.06	.116	720.44
46.6000	.00	27.99	28.12	.00	.06	.116	720.44
46.7000	.00	27.87	27.99	.00	.06	.115	720.43
46.8000	.00	27.74	27.87	.00	.06	.115	720.43
46.9000	.00	27.62	27.74	.00	.06	.114	720.43
47.0000	.00	27.50	27.62	.00	.06	.114	720.42
47.1000	.00	27.38	27.50	.00	.06	.113	720.42
47.2000	.00	27.26	27.38	.00	.06	.113	720.42
47.3000	.00	27.14	27.26	.00	.06	.112	720.42
47.4000	.00	27.02	27.14	.00	.06	.112	720.41
47.5000	.00	26.90	27.02	.00	.06	.111	720.41
47.6000	.00	26.78	26.90	.00	.06	.111	720.41
47.7000	.00	26.66	26.78	.00	.06	.110	720.40
47.8000	.00	26.54	26.66	.00	.06	.110	720.40
47.9000	.00	26.42	26.54	.00	.06	.109	720.40
48.0000	.00	26.30	26.42	.00	.06	.109	720.40
48.1000	.00	26.19	26.30	.00	.06	.108	720.39
48.2000	.00	26.07	26.19	.00	.06	.108	720.39
48.3000	.00	25.95	26.07	.00	.06	.107	720.39
48.4000	.00	25.84	25.95	.00	.06	.107	720.39
48.5000	.00	25.72	25.84	.00	.06	.107	720.38
48.6000	.00	25.61	25.72	.00	.06	.106	720.38
48.7000	.00	25.50	25.61	.00	.06	.106	720.38
48.8000	.00	25.38	25.50	.00	.06	.105	720.37
48.9000	.00	25.27	25.38	.00	.06	.105	720.37
49.0000	.00	25.16	25.27	.00	.06	.104	720.37
49.1000	.00	25.05	25.16	.00	.06	.104	720.37
49.2000	.00	24.94	25.05	.00	.06	.103	720.36
49.3000	.00	24.83	24.94	.00	.06	.103	720.36
49.4000	.00	24.72	24.83	.00	.05	.102	720.36
49.5000	.00	24.61	24.72	.00	.05	.102	720.36
49.6000	.00	24.50	24.61	.00	.05	.101	720.35
49.7000	.00	24.39	24.50	.00	.05	.101	720.35
49.8000	.00	24.28	24.39	.00	.05	.101	720.35
49.9000	.00	24.18	24.28	.00	.05	.100	720.35
50.0000	.00	24.07	24.18	.00	.05	.100	720.34
50.1000	.00	23.96	24.07	.00	.05	.099	720.34
50.2000	.00	23.86	23.96	.00	.05	.099	720.34
50.3000	.00	23.75	23.86	.00	.05	.098	720.34

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	23.65	23.75	.00	.05	.098	720.33
50.5000	.00	23.54	23.65	.00	.05	.097	720.33
50.6000	.00	23.44	23.54	.00	.05	.097	720.33
50.7000	.00	23.34	23.44	.00	.05	.097	720.33
50.8000	.00	23.23	23.34	.00	.05	.096	720.32
50.9000	.00	23.13	23.23	.00	.05	.096	720.32
51.0000	.00	23.03	23.13	.00	.05	.095	720.32
51.1000	.00	22.93	23.03	.00	.05	.095	720.32
51.2000	.00	22.83	22.93	.00	.05	.095	720.31
51.3000	.00	22.73	22.83	.00	.05	.094	720.31
51.4000	.00	22.63	22.73	.00	.05	.094	720.31
51.5000	.00	22.53	22.63	.00	.05	.093	720.31
51.6000	.00	22.43	22.53	.00	.05	.093	720.31
51.7000	.00	22.33	22.43	.00	.05	.092	720.30
51.8000	.00	22.23	22.33	.00	.05	.092	720.30
51.9000	.00	22.14	22.23	.00	.05	.092	720.30
52.0000	.00	22.04	22.14	.00	.05	.091	720.30
52.1000	.00	21.94	22.04	.00	.05	.091	720.29
52.2000	.00	21.85	21.94	.00	.05	.090	720.29
52.3000	.00	21.75	21.85	.00	.05	.090	720.29
52.4000	.00	21.66	21.75	.00	.05	.090	720.29
52.5000	.00	21.56	21.66	.00	.05	.089	720.28
52.6000	.00	21.47	21.56	.00	.05	.089	720.28
52.7000	.00	21.38	21.47	.00	.05	.089	720.28
52.8000	.00	21.29	21.38	.00	.05	.088	720.28
52.9000	.00	21.20	21.29	.00	.05	.088	720.28
53.0000	.00	21.10	21.20	.00	.05	.087	720.27
53.1000	.00	21.01	21.10	.00	.05	.087	720.27
53.2000	.00	20.92	21.01	.00	.04	.087	720.27
53.3000	.00	20.84	20.92	.00	.04	.086	720.27
53.4000	.00	20.75	20.84	.00	.04	.086	720.27
53.5000	.00	20.66	20.75	.00	.04	.086	720.26
53.6000	.00	20.57	20.66	.00	.04	.085	720.26
53.7000	.00	20.48	20.57	.00	.04	.085	720.26
53.8000	.00	20.40	20.48	.00	.04	.084	720.26
53.9000	.00	20.31	20.40	.00	.04	.084	720.25
54.0000	.00	20.23	20.31	.00	.04	.084	720.25
54.1000	.00	20.14	20.23	.00	.04	.083	720.25
54.2000	.00	20.06	20.14	.00	.04	.083	720.25
54.3000	.00	19.97	20.06	.00	.04	.083	720.25
54.4000	.00	19.89	19.97	.00	.04	.082	720.24
54.5000	.00	19.81	19.89	.00	.04	.082	720.24

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	19.72	19.81	.00	.04	.082	720.24
54.7000	.00	19.64	19.72	.00	.04	.081	720.24
54.8000	.00	19.56	19.64	.00	.04	.081	720.24
54.9000	.00	19.48	19.56	.00	.04	.081	720.23
55.0000	.00	19.40	19.48	.00	.04	.080	720.23
55.1000	.00	19.32	19.40	.00	.04	.080	720.23
55.2000	.00	19.24	19.32	.00	.04	.080	720.23
55.3000	.00	19.16	19.24	.00	.04	.079	720.23
55.4000	.00	19.08	19.16	.00	.04	.079	720.23
55.5000	.00	19.01	19.08	.00	.04	.079	720.22
55.6000	.00	18.93	19.01	.00	.04	.078	720.22
55.7000	.00	18.85	18.93	.00	.04	.078	720.22
55.8000	.00	18.78	18.85	.00	.04	.078	720.22
55.9000	.00	18.70	18.78	.00	.04	.077	720.22
56.0000	.00	18.62	18.70	.00	.04	.077	720.21
56.1000	.00	18.55	18.62	.00	.04	.077	720.21
56.2000	.00	18.47	18.55	.00	.04	.076	720.21
56.3000	.00	18.40	18.47	.00	.04	.076	720.21
56.4000	.00	18.33	18.40	.00	.04	.076	720.21
56.5000	.00	18.25	18.33	.00	.04	.076	720.21
56.6000	.00	18.18	18.25	.00	.04	.075	720.20
56.7000	.00	18.11	18.18	.00	.04	.075	720.20
56.8000	.00	18.04	18.11	.00	.04	.075	720.20
56.9000	.00	17.97	18.04	.00	.04	.074	720.20
57.0000	.00	17.90	17.97	.00	.04	.074	720.20
57.1000	.00	17.83	17.90	.00	.03	.074	720.20
57.2000	.00	17.76	17.83	.00	.03	.074	720.19
57.3000	.00	17.69	17.76	.00	.03	.073	720.19
57.4000	.00	17.62	17.69	.00	.03	.073	720.19
57.5000	.00	17.56	17.62	.00	.03	.073	720.19
57.6000	.00	17.49	17.56	.00	.03	.072	720.19
57.7000	.00	17.43	17.49	.00	.03	.072	720.19
57.8000	.00	17.36	17.43	.00	.03	.072	720.18
57.9000	.00	17.30	17.36	.00	.03	.072	720.18
58.0000	.00	17.24	17.30	.00	.03	.071	720.18
58.1000	.00	17.17	17.24	.00	.03	.071	720.18
58.2000	.00	17.11	17.17	.00	.03	.071	720.18
58.3000	.00	17.05	17.11	.00	.03	.071	720.18
58.4000	.00	16.99	17.05	.00	.03	.070	720.17
58.5000	.00	16.93	16.99	.00	.03	.070	720.17
58.6000	.00	16.87	16.93	.00	.03	.070	720.17
58.7000	.00	16.82	16.87	.00	.03	.070	720.17

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	16.76	16.82	.00	.03	.069	720.17
58.9000	.00	16.70	16.76	.00	.03	.069	720.17
59.0000	.00	16.65	16.70	.00	.03	.069	720.17
59.1000	.00	16.59	16.65	.00	.03	.069	720.17
59.2000	.00	16.54	16.59	.00	.03	.068	720.16
59.3000	.00	16.48	16.54	.00	.03	.068	720.16
59.4000	.00	16.43	16.48	.00	.03	.068	720.16
59.5000	.00	16.38	16.43	.00	.03	.068	720.16
59.6000	.00	16.32	16.38	.00	.03	.068	720.16
59.7000	.00	16.27	16.32	.00	.03	.067	720.16
59.8000	.00	16.22	16.27	.00	.03	.067	720.16
59.9000	.00	16.17	16.22	.00	.03	.067	720.15
60.0000	.00	16.12	16.17	.00	.02	.067	720.15
60.1000	.00	16.07	16.12	.00	.02	.066	720.15
60.2000	.00	16.02	16.07	.00	.02	.066	720.15
60.3000	.00	15.98	16.02	.00	.02	.066	720.15
60.4000	.00	15.93	15.98	.00	.02	.066	720.15
60.5000	.00	15.88	15.93	.00	.02	.066	720.15
60.6000	.00	15.83	15.88	.00	.02	.065	720.15
60.7000	.00	15.79	15.83	.00	.02	.065	720.15
60.8000	.00	15.74	15.79	.00	.02	.065	720.14
60.9000	.00	15.70	15.74	.00	.02	.065	720.14
61.0000	.00	15.65	15.70	.00	.02	.065	720.14
61.1000	.00	15.61	15.65	.00	.02	.065	720.14
61.2000	.00	15.57	15.61	.00	.02	.064	720.14
61.3000	.00	15.52	15.57	.00	.02	.064	720.14
61.4000	.00	15.48	15.52	.00	.02	.064	720.14
61.5000	.00	15.44	15.48	.00	.02	.064	720.14
61.6000	.00	15.40	15.44	.00	.02	.064	720.14
61.7000	.00	15.36	15.40	.00	.02	.064	720.13
61.8000	.00	15.32	15.36	.00	.02	.063	720.13
61.9000	.00	15.28	15.32	.00	.02	.063	720.13
62.0000	.00	15.24	15.28	.00	.02	.063	720.13
62.1000	.00	15.20	15.24	.00	.02	.063	720.13
62.2000	.00	15.16	15.20	.00	.02	.063	720.13
62.3000	.00	15.12	15.16	.00	.02	.063	720.13
62.4000	.00	15.08	15.12	.00	.02	.062	720.13
62.5000	.00	15.05	15.08	.00	.02	.062	720.13
62.6000	.00	15.01	15.05	.00	.02	.062	720.13
62.7000	.00	14.97	15.01	.00	.02	.062	720.13
62.8000	.00	14.94	14.97	.00	.02	.062	720.12
62.9000	.00	14.90	14.94	.00	.02	.062	720.12

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	14.86	14.90	.00	.02	.061	720.12
63.1000	.00	14.83	14.86	.00	.02	.061	720.12
63.2000	.00	14.79	14.83	.00	.02	.061	720.12
63.3000	.00	14.76	14.79	.00	.02	.061	720.12
63.4000	.00	14.73	14.76	.00	.02	.061	720.12
63.5000	.00	14.69	14.73	.00	.02	.061	720.12
63.6000	.00	14.66	14.69	.00	.02	.061	720.12
63.7000	.00	14.63	14.66	.00	.02	.060	720.12
63.8000	.00	14.60	14.63	.00	.02	.060	720.12
63.9000	.00	14.56	14.60	.00	.02	.060	720.12
64.0000	.00	14.53	14.56	.00	.02	.060	720.11
64.1000	.00	14.50	14.53	.00	.02	.060	720.11
64.2000	.00	14.47	14.50	.00	.02	.060	720.11
64.3000	.00	14.44	14.47	.00	.02	.060	720.11
64.4000	.00	14.41	14.44	.00	.02	.060	720.11
64.5000	.00	14.38	14.41	.00	.01	.059	720.11
64.6000	.00	14.35	14.38	.00	.01	.059	720.11
64.7000	.00	14.32	14.35	.00	.01	.059	720.11
64.8000	.00	14.29	14.32	.00	.01	.059	720.11
64.9000	.00	14.26	14.29	.00	.01	.059	720.11
65.0000	.00	14.24	14.26	.00	.01	.059	720.11
65.1000	.00	14.21	14.24	.00	.01	.059	720.11
65.2000	.00	14.18	14.21	.00	.01	.059	720.11
65.3000	.00	14.15	14.18	.00	.01	.059	720.11
65.4000	.00	14.13	14.15	.00	.01	.058	720.10
65.5000	.00	14.10	14.13	.00	.01	.058	720.10
65.6000	.00	14.07	14.10	.00	.01	.058	720.10
65.7000	.00	14.05	14.07	.00	.01	.058	720.10
65.8000	.00	14.02	14.05	.00	.01	.058	720.10
65.9000	.00	14.00	14.02	.00	.01	.058	720.10
66.0000	.00	13.97	14.00	.00	.01	.058	720.10
66.1000	.00	13.95	13.97	.00	.01	.058	720.10
66.2000	.00	13.92	13.95	.00	.01	.058	720.10
66.3000	.00	13.90	13.92	.00	.01	.057	720.10
66.4000	.00	13.87	13.90	.00	.01	.057	720.10
66.5000	.00	13.85	13.87	.00	.01	.057	720.10
66.6000	.00	13.83	13.85	.00	.01	.057	720.10
66.7000	.00	13.80	13.83	.00	.01	.057	720.10
66.8000	.00	13.78	13.80	.00	.01	.057	720.10
66.9000	.00	13.76	13.78	.00	.01	.057	720.10
67.0000	.00	13.73	13.76	.00	.01	.057	720.09
67.1000	.00	13.71	13.73	.00	.01	.057	720.09

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	13.69	13.71	.00	.01	.057	720.09
67.3000	.00	13.66	13.69	.00	.01	.056	720.09
67.4000	.00	13.64	13.66	.00	.01	.056	720.09
67.5000	.00	13.62	13.64	.00	.01	.056	720.09
67.6000	.00	13.59	13.62	.00	.01	.056	720.09
67.7000	.00	13.57	13.59	.00	.01	.056	720.09
67.8000	.00	13.55	13.57	.00	.01	.056	720.09
67.9000	.00	13.53	13.55	.00	.01	.056	720.09
68.0000	.00	13.51	13.53	.00	.01	.056	720.09
68.1000	.00	13.48	13.51	.00	.01	.056	720.09
68.2000	.00	13.46	13.48	.00	.01	.056	720.09
68.3000	.00	13.44	13.46	.00	.01	.056	720.09
68.4000	.00	13.42	13.44	.00	.01	.055	720.09
68.5000	.00	13.40	13.42	.00	.01	.055	720.09
68.6000	.00	13.38	13.40	.00	.01	.055	720.09
68.7000	.00	13.36	13.38	.00	.01	.055	720.09
68.8000	.00	13.33	13.36	.00	.01	.055	720.09
68.9000	.00	13.31	13.33	.00	.01	.055	720.08
69.0000	.00	13.29	13.31	.00	.01	.055	720.08
69.1000	.00	13.27	13.29	.00	.01	.055	720.08
69.2000	.00	13.25	13.27	.00	.01	.055	720.08
69.3000	.00	13.23	13.25	.00	.01	.055	720.08
69.4000	.00	13.21	13.23	.00	.01	.055	720.08
69.5000	.00	13.19	13.21	.00	.01	.055	720.08
69.6000	.00	13.17	13.19	.00	.01	.054	720.08
69.7000	.00	13.15	13.17	.00	.01	.054	720.08
69.8000	.00	13.13	13.15	.00	.01	.054	720.08
69.9000	.00	13.11	13.13	.00	.01	.054	720.08
70.0000	.00	13.09	13.11	.00	.01	.054	720.08
70.1000	.00	13.07	13.09	.00	.01	.054	720.08
70.2000	.00	13.05	13.07	.00	.01	.054	720.08
70.3000	.00	13.04	13.05	.00	.01	.054	720.08
70.4000	.00	13.02	13.04	.00	.01	.054	720.08
70.5000	.00	13.00	13.02	.00	.01	.054	720.08
70.6000	.00	12.98	13.00	.00	.01	.054	720.08
70.7000	.00	12.96	12.98	.00	.01	.054	720.08
70.8000	.00	12.94	12.96	.00	.01	.053	720.08
70.9000	.00	12.92	12.94	.00	.01	.053	720.07
71.0000	.00	12.90	12.92	.00	.01	.053	720.07
71.1000	.00	12.89	12.90	.00	.01	.053	720.07
71.2000	.00	12.87	12.89	.00	.01	.053	720.07
71.3000	.00	12.85	12.87	.00	.01	.053	720.07

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

Page 4.18
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	12.83	12.85	.00	.01	.053	720.07
71.5000	.00	12.81	12.83	.00	.01	.053	720.07
71.6000	.00	12.80	12.81	.00	.01	.053	720.07
71.7000	.00	12.78	12.80	.00	.01	.053	720.07
71.8000	.00	12.76	12.78	.00	.01	.053	720.07
71.9000	.00	12.74	12.76	.00	.01	.053	720.07
72.0000	.00	12.73	12.74	.00	.01	.053	720.07
72.1000	.00	12.71	12.73	.00	.01	.053	720.07
72.2000	.00	12.69	12.71	.00	.01	.052	720.07
72.3000	.00	12.68	12.69	.00	.01	.052	720.07
72.4000	.00	12.66	12.68	.00	.01	.052	720.07
72.5000	.00	12.64	12.66	.00	.01	.052	720.07
72.6000	.00	12.63	12.64	.00	.01	.052	720.07
72.7000	.00	12.61	12.63	.00	.01	.052	720.07
72.8000	.00	12.59	12.61	.00	.01	.052	720.07
72.9000	.00	12.58	12.59	.00	.01	.052	720.07
73.0000	.00	12.56	12.58	.00	.01	.052	720.07
73.1000	.00	12.54	12.56	.00	.01	.052	720.07
73.2000	.00	12.53	12.54	.00	.01	.052	720.07
73.3000	.00	12.51	12.53	.00	.01	.052	720.06
73.4000	.00	12.50	12.51	.00	.01	.052	720.06
73.5000	.00	12.48	12.50	.00	.01	.052	720.06
73.6000	.00	12.47	12.48	.00	.01	.052	720.06
73.7000	.00	12.45	12.47	.00	.01	.051	720.06
73.8000	.00	12.43	12.45	.00	.01	.051	720.06
73.9000	.00	12.42	12.43	.00	.01	.051	720.06
74.0000	.00	12.40	12.42	.00	.01	.051	720.06
74.1000	.00	12.39	12.40	.00	.01	.051	720.06
74.2000	.00	12.37	12.39	.00	.01	.051	720.06
74.3000	.00	12.36	12.37	.00	.01	.051	720.06
74.4000	.00	12.34	12.36	.00	.01	.051	720.06
74.5000	.00	12.33	12.34	.00	.01	.051	720.06
74.6000	.00	12.31	12.33	.00	.01	.051	720.06
74.7000	.00	12.30	12.31	.00	.01	.051	720.06
74.8000	.00	12.29	12.30	.00	.01	.051	720.06
74.9000	.00	12.27	12.29	.00	.01	.051	720.06
75.0000	.00	12.26	12.27	.00	.01	.051	720.06
75.1000	.00	12.24	12.26	.00	.01	.051	720.06
75.2000	.00	12.23	12.24	.00	.01	.051	720.06
75.3000	.00	12.21	12.23	.00	.01	.050	720.06
75.4000	.00	12.20	12.21	.00	.01	.050	720.06
75.5000	.00	12.19	12.20	.00	.01	.050	720.06

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

Page 4.19
 Event: 2 yr

LEVEL POOL ROUTING CALCULATIONS

HYG Dir = G:\KGruver\Exports\BMP Basin\
 Inflow HYG file = work_pad.hyg - CR 28 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	12.17	12.19	.00	.01	.050	720.06
75.7000	.00	12.16	12.17	.00	.01	.050	720.06
75.8000	.00	12.15	12.16	.00	.01	.050	720.06
75.9000	.00	12.13	12.15	.00	.01	.050	720.06
76.0000	.00	12.12	12.13	.00	.01	.050	720.05
76.1000	.00	12.10	12.12	.00	.01	.050	720.05
76.2000	.00	12.09	12.10	.00	.01	.050	720.05
76.3000	.00	12.08	12.09	.00	.01	.050	720.05
76.4000	.00	12.06	12.08	.00	.01	.050	720.05
76.5000	.00	12.05	12.06	.00	.01	.050	720.05
76.6000	.00	12.04	12.05	.00	.01	.050	720.05
76.7000	.00	12.03	12.04	.00	.01	.050	720.05
76.8000	.00	12.01	12.03	.00	.01	.050	720.05
76.9000	.00	12.00	12.01	.00	.01	.050	720.05
77.0000	.00	11.99	12.00	.00	.01	.050	720.05
77.1000	.00	11.98	11.99	.00	.01	.049	720.05
77.2000	.00	11.96	11.98	.00	.01	.049	720.05
77.3000	.00	11.95	11.96	.00	.01	.049	720.05
77.4000	.00	11.94	11.95	.00	.01	.049	720.05
77.5000	.00	11.93	11.94	.00	.01	.049	720.05
77.6000	.00	11.91	11.93	.00	.01	.049	720.05
77.7000	.00	11.90	11.91	.00	.01	.049	720.05
77.8000	.00	11.89	11.90	.00	.01	.049	720.05
77.9000	.00	11.88	11.89	.00	.01	.049	720.05
78.0000	.00	11.86	11.88	.00	.01	.049	720.05
78.1000	.00	11.85	11.86	.00	.01	.049	720.05
78.2000	.00	11.84	11.85	.00	.01	.049	720.05
78.3000	.00	11.83	11.84	.00	.01	.049	720.05
78.4000	.00	11.82	11.83	.00	.01	.049	720.05
78.5000	.00	11.81	11.82	.00	.01	.049	720.05
78.6000	.00	11.79	11.81	.00	.01	.049	720.05
78.7000	.00	11.78	11.79	.00	.01	.049	720.05
78.8000	.00	11.77	11.78	.00	.01	.049	720.05
78.9000	.00	11.76	11.77	.00	.01	.049	720.05
79.0000	.00	11.75	11.76	.00	.01	.049	720.05
79.1000	.00	11.74	11.75	.00	.01	.048	720.05
79.2000	.00	11.73	11.74	.00	.01	.048	720.05
79.3000	.00	11.72	11.73	.00	.01	.048	720.04
79.4000	.00	11.71	11.72	.00	.01	.048	720.04
79.5000	.00	11.69	11.71	.00	.01	.048	720.04
79.6000	.00	11.68	11.69	.00	.01	.048	720.04
79.7000	.00	11.67	11.68	.00	.01	.048	720.04

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	11.66	11.67	.00	.01	.048	720.04
79.9000	.00	11.65	11.66	.00	.01	.048	720.04
80.0000	.00	11.64	11.65	.00	.01	.048	720.04
80.1000	.00	11.63	11.64	.00	.01	.048	720.04
80.2000	.00	11.62	11.63	.00	.01	.048	720.04
80.3000	.00	11.61	11.62	.00	.01	.048	720.04
80.4000	.00	11.60	11.61	.00	.01	.048	720.04
80.5000	.00	11.59	11.60	.00	.01	.048	720.04
80.6000	.00	11.58	11.59	.00	.01	.048	720.04
80.7000	.00	11.57	11.58	.00	.01	.048	720.04
80.8000	.00	11.56	11.57	.00	.01	.048	720.04
80.9000	.00	11.55	11.56	.00	.00	.048	720.04
81.0000	.00	11.54	11.55	.00	.00	.048	720.04
81.1000	.00	11.53	11.54	.00	.00	.048	720.04
81.2000	.00	11.52	11.53	.00	.00	.048	720.04
81.3000	.00	11.51	11.52	.00	.00	.048	720.04
81.4000	.00	11.50	11.51	.00	.00	.047	720.04
81.5000	.00	11.49	11.50	.00	.00	.047	720.04
81.6000	.00	11.48	11.49	.00	.00	.047	720.04
81.7000	.00	11.47	11.48	.00	.00	.047	720.04
81.8000	.00	11.46	11.47	.00	.00	.047	720.04
81.9000	.00	11.45	11.46	.00	.00	.047	720.04
82.0000	.00	11.44	11.45	.00	.00	.047	720.04
82.1000	.00	11.43	11.44	.00	.00	.047	720.04
82.2000	.00	11.42	11.43	.00	.00	.047	720.04
82.3000	.00	11.41	11.42	.00	.00	.047	720.04
82.4000	.00	11.41	11.41	.00	.00	.047	720.04
82.5000	.00	11.40	11.41	.00	.00	.047	720.04
82.6000	.00	11.39	11.40	.00	.00	.047	720.04
82.7000	.00	11.38	11.39	.00	.00	.047	720.04
82.8000	.00	11.37	11.38	.00	.00	.047	720.04
82.9000	.00	11.36	11.37	.00	.00	.047	720.04
83.0000	.00	11.35	11.36	.00	.00	.047	720.04
83.1000	.00	11.34	11.35	.00	.00	.047	720.04
83.2000	.00	11.33	11.34	.00	.00	.047	720.04
83.3000	.00	11.33	11.33	.00	.00	.047	720.04
83.4000	.00	11.32	11.33	.00	.00	.047	720.03
83.5000	.00	11.31	11.32	.00	.00	.047	720.03
83.6000	.00	11.30	11.31	.00	.00	.047	720.03
83.7000	.00	11.29	11.30	.00	.00	.047	720.03
83.8000	.00	11.28	11.29	.00	.00	.047	720.03
83.9000	.00	11.28	11.28	.00	.00	.047	720.03

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	11.27	11.28	.00	.00	.047	720.03
84.1000	.00	11.26	11.27	.00	.00	.047	720.03
84.2000	.00	11.25	11.26	.00	.00	.046	720.03
84.3000	.00	11.24	11.25	.00	.00	.046	720.03
84.4000	.00	11.23	11.24	.00	.00	.046	720.03
84.5000	.00	11.23	11.23	.00	.00	.046	720.03
84.6000	.00	11.22	11.23	.00	.00	.046	720.03
84.7000	.00	11.21	11.22	.00	.00	.046	720.03
84.8000	.00	11.20	11.21	.00	.00	.046	720.03
84.9000	.00	11.19	11.20	.00	.00	.046	720.03
85.0000	.00	11.19	11.19	.00	.00	.046	720.03
85.1000	.00	11.18	11.19	.00	.00	.046	720.03
85.2000	.00	11.17	11.18	.00	.00	.046	720.03
85.3000	.00	11.16	11.17	.00	.00	.046	720.03
85.4000	.00	11.16	11.16	.00	.00	.046	720.03
85.5000	.00	11.15	11.16	.00	.00	.046	720.03
85.6000	.00	11.14	11.15	.00	.00	.046	720.03
85.7000	.00	11.13	11.14	.00	.00	.046	720.03
85.8000	.00	11.13	11.13	.00	.00	.046	720.03
85.9000	.00	11.12	11.13	.00	.00	.046	720.03
86.0000	.00	11.11	11.12	.00	.00	.046	720.03
86.1000	.00	11.10	11.11	.00	.00	.046	720.03
86.2000	.00	11.10	11.10	.00	.00	.046	720.03
86.3000	.00	11.09	11.10	.00	.00	.046	720.03
86.4000	.00	11.08	11.09	.00	.00	.046	720.03
86.5000	.00	11.08	11.08	.00	.00	.046	720.03
86.6000	.00	11.07	11.08	.00	.00	.046	720.03
86.7000	.00	11.06	11.07	.00	.00	.046	720.03
86.8000	.00	11.05	11.06	.00	.00	.046	720.03
86.9000	.00	11.05	11.05	.00	.00	.046	720.03
87.0000	.00	11.04	11.05	.00	.00	.046	720.03
87.1000	.00	11.03	11.04	.00	.00	.046	720.03
87.2000	.00	11.03	11.03	.00	.00	.046	720.03
87.3000	.00	11.02	11.03	.00	.00	.046	720.03
87.4000	.00	11.01	11.02	.00	.00	.045	720.03
87.5000	.00	11.01	11.01	.00	.00	.045	720.03
87.6000	.00	11.00	11.01	.00	.00	.045	720.03
87.7000	.00	10.99	11.00	.00	.00	.045	720.03
87.8000	.00	10.99	10.99	.00	.00	.045	720.03
87.9000	.00	10.98	10.99	.00	.00	.045	720.03
88.0000	.00	10.97	10.98	.00	.00	.045	720.03
88.1000	.00	10.97	10.97	.00	.00	.045	720.03

Type.... Pond Routing Calcs (Total Out)
 Name.... CR 28 AB OUT Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 AB IN Pre 2
 Outflow HYG file = work_pad.hyg - CR 28 AB OUT Pre 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	10.96	10.97	.00	.00	.045	720.03
88.3000	.00	10.96	10.96	.00	.00	.045	720.03
88.4000	.00	10.95	10.96	.00	.00	.045	720.03
88.5000	.00	10.94	10.95	.00	.00	.045	720.03
88.6000	.00	10.94	10.94	.00	.00	.045	720.03
88.7000	.00	10.93	10.94	.00	.00	.045	720.03
88.8000	.00	10.92	10.93	.00	.00	.045	720.03
88.9000	.00	10.92	10.92	.00	.00	.045	720.02
89.0000	.00	10.91	10.92	.00	.00	.045	720.02
89.1000	.00	10.91	10.91	.00	.00	.045	720.02
89.2000	.00	10.90	10.91	.00	.00	.045	720.02
89.3000	.00	10.89	10.90	.00	.00	.045	720.02

Type.... C and Area

Name.... CR RAMP AB

Tag: POST

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

RATIONAL C COEFFICIENT DATA

.....

Soil/Surface Description	C	Area acres	C x Area acres
Pavement	.9000	1.170	1.053
Slopes	.7000	6.830	4.781

WEIGHTED C & TOTAL AREA ---> .7293 8.000 5.834

.....

Type.... Mod. Rational Storm Calcs
 Name.... CR RAMP AB Tag: Pre 2
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 = 9.10 cfs

Hydrograph Storm Duration, Td = .5500 hrs Tc = .2200 hrs
 Hydrograph File: Pre 2

.....

VOLUMES							
Wtd. 'C'	Adjusted 'C'	Duration hrs	Intens. in/hr	Area acres	Qpeak cfs	Inflow ac-ft	Storage ac-ft
.729	.729	.2200	3.4134	8.000	20.08	.365	.200
.729	.729	.2500	3.2279	8.000	18.99	.392	.216
.729	.729	.3333	2.8063	8.000	16.51	.455	.247
.729	.729	.5000	2.2296	8.000	13.12	.542	.271
***** Storage Maximum							
.729	.729	.5500	2.1011	8.000	12.36	.562	.272

.729	.729	.6667	1.8530	8.000	10.90	.601	.267
.729	.729	.8333	1.5872	8.000	9.34	.643	.247
.729	.729	1.0000	1.3894	8.000	8.17	Qpeak < Qallow	

Type.... Mod. Rational Storm Calcs
 Name.... CR RAMP AB Tag: Pre 10
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre 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 = 13.05 cfs

Hydrograph Storm Duration, Td = .5833 hrs Tc = .2200 hrs
 Hydrograph File: Pre 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
.729	.729	.2200	4.8585	8.000	28.58	.520	.282
.729	.729	.2500	4.6041	8.000	27.09	.560	.306
.729	.729	.3333	4.0235	8.000	23.67	.652	.354
.729	.729	.5000	3.2229	8.000	18.96	.783	.395
***** Storage Maximum							
.729	.729	.5833	2.9347	8.000	17.26	.832	.399

.729	.729	.6667	2.6954	8.000	15.86	.874	.396
.729	.729	.8333	2.3207	8.000	13.65	.940	.372
.729	.729	1.0000	2.0403	8.000	12.00	Qpeak < Qallow	

Type.... Mod. Rational Storm Calcs
 Name.... CR RAMP AB Tag: Pre100
 File.... G:\KGruver\Exports\BMP Basin\CR 28 AB.ppw
 Storm... e, b, d Tag: Pre100

Page 5.04
 Event: 100 yr

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

Q = CiA * Units Conversion; Where Conversion = 43560 / (12 * 3600)

RETURN FREQUENCY: 100 yr 'C' Adjustment = 1.000 Allowable Q = 20.05 cfs

Hydrograph Storm Duration, Td = .5500 hrs Tc = .2200 hrs
 Hydrograph File: Pre100

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VOLUMES							
Wtd. 'C'	Adjusted 'C'	Duration hrs	Intens. in/hr	Area acres	Qpeak cfs	Inflow ac-ft	Storage ac-ft
.729	.729	.2200	7.4331	8.000	43.73	.795	.431
.729	.729	.2500	7.0569	8.000	41.52	.858	.468
.729	.729	.3333	6.1820	8.000	36.37	1.002	.544
.729	.729	.5000	4.9412	8.000	29.07	1.201	.605

***** Storage Maximum

.729	.729	.5500	4.6579	8.000	27.40	1.246	.608
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.729	.729	.6667	4.1052	8.000	24.15	1.331	.596
.729	.729	.8333	3.5051	8.000	20.62	1.420	.548
.729	.729	1.0000	3.0539	8.000	17.97	Qpeak < Qallow	

