

TOTAL NODE INFLOW...

HYG file =

HYG ID = DP 2

HYG Tag = 100 YR

-----  
 Peak Discharge = 37.24 cfs  
 Time to Peak = 12.3000 hrs  
 HYG Volume = 4.515 ac-ft  
 -----

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .1000 hrs

Time on left represents time for first value in each row.

Time hrs	0.00	0.10	0.20	0.30	0.40	0.50
8.7000	.00	.00	.00	.00	.00	.00
9.2000	.00	.00	.00	.00	.00	.01
9.7000	.01	.01	.02	.05	.09	.09
10.2000	.15	.22	.30	.39	.49	.49
10.7000	.60	.72	.85	.98	1.14	1.14
11.2000	1.33	1.57	1.88	2.25	2.77	2.77
11.7000	3.76	5.68	8.81	14.40	24.27	24.27
12.2000	34.25	37.24	33.86	28.41	22.95	22.95
12.7000	17.99	14.27	11.83	10.19	8.99	8.99
13.2000	8.07	7.44	7.01	6.70	6.45	6.45
13.7000	6.22	6.00	5.79	5.58	5.36	5.36
14.2000	5.16	4.99	4.84	4.71	4.58	4.58
14.7000	4.45	4.33	4.20	4.08	3.95	3.95
15.2000	3.83	3.68	3.55	3.41	3.29	3.29
15.7000	3.17	3.05	2.93	2.82	2.70	2.70
16.2000	2.60	2.52	2.45	2.39	2.33	2.33
16.7000	2.28	2.22	2.17	2.12	2.07	2.07
17.2000	2.03	1.98	1.93	1.88	1.83	1.83
17.7000	1.79	1.74	1.69	1.64	1.60	1.60
18.2000	1.55	1.52	1.50	1.47	1.46	1.46
18.7000	1.44	1.42	1.41	1.39	1.38	1.38
19.2000	1.36	1.35	1.33	1.32	1.31	1.31
19.7000	1.29	1.28	1.27	1.25	1.24	1.24
20.2000	1.23	1.21	1.20	1.19	1.18	1.18
20.7000	1.17	1.16	1.15	1.14	1.13	1.13
21.2000	1.12	1.11	1.10	1.09	1.08	1.08
21.7000	1.07	1.06	1.05	1.04	1.03	1.03
22.2000	1.02	1.01	1.00	.99	.98	.98
22.7000	.97	.96	.95	.94	.93	.93
23.2000	.92	.91	.90	.89	.88	.88
23.7000	.87	.86	.85	.84	.77	.77

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .1000 hrs

Time on left represents time for first value in each row.

Time hrs					
24.2000	.58	.35	.19	.10	.05
24.7000	.03	.02	.01	.01	.00
25.2000	.00	.00	.00	.00	.00

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

Elevation (ft)	Planimeter (sq.in)	Area (acres)	A1+A2+sqr(A1*A2) (acres)	Volume (ac-ft)	Volume Sum (ac-ft)
1306.00	-----	.0600	.0000	.000	.000
1308.00	-----	.1000	.2375	.158	.158
1310.00	-----	.1400	.3583	.239	.397

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.... Outlet 1

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 1306.00 ft  
Increment = .10 ft  
Max. Elev.= 1310.00 ft

\*\*\*\*\*  
OUTLET CONNECTIVITY  
\*\*\*\*\*

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

Structure	No.		Outfall	El, ft	E2, ft
Orifice-Circular	2	--->	TW	1307.500	1310.000
Orifice-Circular	1	--->	TW	1306.000	1310.000
TW SETUP, DS Channel					

OUTLET STRUCTURE INPUT DATA

Structure ID = 2  
Structure Type = Orifice-Circular  
-----  
# of Openings = 1  
Invert Elev. = 1307.50 ft  
Diameter = .7500 ft  
Orifice Coeff. = .600

Structure ID = 1  
Structure Type = Orifice-Circular  
-----  
# of Openings = 1  
Invert Elev. = 1306.00 ft  
Diameter = .5000 ft  
Orifice Coeff. = .600

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

FREE OUTFALL CONDITIONS SPECIFIED

CONVERGENCE TOLERANCES...

Maximum Iterations= 30  
Min. TW tolerance = .01 ft  
Max. TW tolerance = .01 ft  
Min. HW tolerance = .01 ft  
Max. HW tolerance = .01 ft  
Min. Q tolerance = .10 cfs  
Max. Q tolerance = .10 cfs

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = 2 (Orifice-Circular)  
 -----  
 Upstream ID = (Pond Water Surface)  
 DNstream ID = TW (Pond Outfall)

WS Elev, Device Q		Tail Water		Notes	
WS Elev.	Q	TW Elev	Converge	Computation Messages	
ft	cfs	ft	+/-ft		
1306.00	.00	Free Outfall		HW & TW below invert	
1306.10	.00	Free Outfall		HW & TW below invert	
1306.20	.00	Free Outfall		HW & TW below invert	
1306.30	.00	Free Outfall		HW & TW below invert	
1306.40	.00	Free Outfall		HW & TW below invert	
1306.50	.00	Free Outfall		HW & TW below invert	
1306.60	.00	Free Outfall		HW & TW below invert	
1306.70	.00	Free Outfall		HW & TW below invert	
1306.80	.00	Free Outfall		HW & TW below invert	
1306.90	.00	Free Outfall		HW & TW below invert	
1307.00	.00	Free Outfall		HW & TW below invert	
1307.10	.00	Free Outfall		HW & TW below invert	
1307.20	.00	Free Outfall		HW & TW below invert	
1307.30	.00	Free Outfall		HW & TW below invert	
1307.40	.00	Free Outfall		HW & TW below invert	
1307.50	.00	Free Outfall		Upstream HW & DNstream TW < Inv.El	
1307.60	.03	Free Outfall		CRIT.DEPTH CONTROL	Vh= .024ft Dcr= .076ft CRIT.DEPTH
1307.70	.11	Free Outfall		CRIT.DEPTH CONTROL	Vh= .053ft Dcr= .146ft CRIT.DEPTH
1307.80	.24	Free Outfall		CRIT.DEPTH CONTROL	Vh= .080ft Dcr= .220ft CRIT.DEPTH
1307.90	.42	Free Outfall		CRIT.DEPTH CONTROL	Vh= .109ft Dcr= .291ft CRIT.DEPTH
1308.00	.63	Free Outfall		CRIT.DEPTH CONTROL	Vh= .140ft Dcr= .360ft CRIT.DEPTH
1308.10	.86	Free Outfall		CRIT.DEPTH CONTROL	Vh= .175ft Dcr= .425ft CRIT.DEPTH
1308.20	1.12	Free Outfall		CRIT.DEPTH CONTROL	Vh= .212ft Dcr= .488ft CRIT.DEPTH
1308.30	1.39	Free Outfall		H =.43	
1308.40	1.54	Free Outfall		H =.53	
1308.50	1.68	Free Outfall		H =.63	
1308.60	1.81	Free Outfall		H =.72	
1308.70	1.93	Free Outfall		H =.82	
1308.80	2.05	Free Outfall		H =.93	
1308.90	2.15	Free Outfall		H =1.03	
1309.00	2.26	Free Outfall		H =1.13	
1309.10	2.35	Free Outfall		H =1.22	
1309.20	2.45	Free Outfall		H =1.32	
1309.30	2.54	Free Outfall		H =1.43	

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = 2 (Orifice-Circular)  
 -----  
 Upstream ID = (Pond Water Surface)  
 DNstream ID = TW (Pond Outfall)

WS Elev, Device Q		Tail Water		Notes
WS Elev.	Q	TW Elev	Converge	Computation Messages
ft	cfs	ft	+/-ft	
1309.40	2.63	Free	Outfall	H =1.53
1309.50	2.71	Free	Outfall	H =1.63
1309.60	2.79	Free	Outfall	H =1.72
1309.70	2.87	Free	Outfall	H =1.82
1309.80	2.95	Free	Outfall	H =1.93
1309.90	3.03	Free	Outfall	H =2.03
1310.00	3.10	Free	Outfall	H =2.13

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = 1 (Orifice-Circular)  
 -----  
 Upstream ID = (Pond Water Surface)  
 DNstream ID = TW (Pond Outfall)

WS Elev, Device Q		Tail Water		Notes		
WS Elev.	Q	TW Elev	Converge	Computation Messages		
ft	cfs	ft	+/-ft			
1306.00	.00	Free	Outfall	Upstream HW & DNstream TW < Inv.El		
1306.10	.02	Free	Outfall	CRIT.DEPTH CONTROL	Vh= .022ft Dcr= .078ft	CRIT.DEPTH
1306.20	.09	Free	Outfall	CRIT.DEPTH CONTROL	Vh= .051ft Dcr= .148ft	CRIT.DEPTH
1306.30	.19	Free	Outfall	CRIT.DEPTH CONTROL	Vh= .081ft Dcr= .219ft	CRIT.DEPTH
1306.40	.31	Free	Outfall	CRIT.DEPTH CONTROL	Vh= .116ft Dcr= .283ft	CRIT.DEPTH
1306.50	.47	Free	Outfall	H =.25		
1306.60	.56	Free	Outfall	H =.35		
1306.70	.63	Free	Outfall	H =.45		
1306.80	.70	Free	Outfall	H =.55		
1306.90	.76	Free	Outfall	H =.65		
1307.00	.82	Free	Outfall	H =.75		
1307.10	.87	Free	Outfall	H =.85		
1307.20	.92	Free	Outfall	H =.95		
1307.30	.97	Free	Outfall	H =1.05		
1307.40	1.01	Free	Outfall	H =1.15		
1307.50	1.06	Free	Outfall	H =1.25		
1307.60	1.10	Free	Outfall	H =1.35		
1307.70	1.14	Free	Outfall	H =1.45		
1307.80	1.18	Free	Outfall	H =1.55		
1307.90	1.21	Free	Outfall	H =1.65		
1308.00	1.25	Free	Outfall	H =1.75		
1308.10	1.29	Free	Outfall	H =1.85		
1308.20	1.32	Free	Outfall	H =1.95		
1308.30	1.35	Free	Outfall	H =2.05		
1308.40	1.39	Free	Outfall	H =2.15		
1308.50	1.42	Free	Outfall	H =2.25		
1308.60	1.45	Free	Outfall	H =2.35		
1308.70	1.48	Free	Outfall	H =2.45		
1308.80	1.51	Free	Outfall	H =2.55		
1308.90	1.54	Free	Outfall	H =2.65		
1309.00	1.57	Free	Outfall	H =2.75		
1309.10	1.60	Free	Outfall	H =2.85		
1309.20	1.62	Free	Outfall	H =2.95		
1309.30	1.65	Free	Outfall	H =3.05		



File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = 1 (Orifice-Circular)  
-----  
Upstream ID = (Pond Water Surface)  
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q		Tail Water		Notes
WS Elev.	Q	TW Elev	Converge	Computation Messages
ft	cfs	ft	+/-ft	
1309.40	1.68	Free	Outfall	H =3.15
1309.50	1.70	Free	Outfall	H =3.25
1309.60	1.73	Free	Outfall	H =3.35
1309.70	1.76	Free	Outfall	H =3.45
1309.80	1.78	Free	Outfall	H =3.55
1309.90	1.81	Free	Outfall	H =3.65
1310.00	1.83	Free	Outfall	H =3.75

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
1306.00	.00	Free Outfall		None contributing
1306.10	.02	Free Outfall		1
1306.20	.09	Free Outfall		1
1306.30	.19	Free Outfall		1
1306.40	.31	Free Outfall		1
1306.50	.47	Free Outfall		1
1306.60	.56	Free Outfall		1
1306.70	.63	Free Outfall		1
1306.80	.70	Free Outfall		1
1306.90	.76	Free Outfall		1
1307.00	.82	Free Outfall		1
1307.10	.87	Free Outfall		1
1307.20	.92	Free Outfall		1
1307.30	.97	Free Outfall		1
1307.40	1.01	Free Outfall		1
1307.50	1.06	Free Outfall		1
1307.60	1.13	Free Outfall	2 +1	
1307.70	1.25	Free Outfall	2 +1	
1307.80	1.42	Free Outfall	2 +1	
1307.90	1.63	Free Outfall	2 +1	
1308.00	1.88	Free Outfall	2 +1	
1308.10	2.15	Free Outfall	2 +1	
1308.20	2.44	Free Outfall	2 +1	
1308.30	2.74	Free Outfall	2 +1	
1308.40	2.93	Free Outfall	2 +1	
1308.50	3.10	Free Outfall	2 +1	
1308.60	3.26	Free Outfall	2 +1	
1308.70	3.41	Free Outfall	2 +1	
1308.80	3.55	Free Outfall	2 +1	
1308.90	3.69	Free Outfall	2 +1	
1309.00	3.82	Free Outfall	2 +1	
1309.10	3.95	Free Outfall	2 +1	
1309.20	4.07	Free Outfall	2 +1	
1309.30	4.19	Free Outfall	2 +1	
1309.40	4.30	Free Outfall	2 +1	
1309.50	4.41	Free Outfall	2 +1	
1309.60	4.52	Free Outfall	2 +1	
1309.70	4.63	Free Outfall	2 +1	

Type.... Composite Rating Curve  
Name.... Outlet 1

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

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

WS Elev, Total Q		Converge		Notes
Elev.	Q	TW Elev	Error	Contributing Structures
ft	cfs	ft	+/-ft	
1309.80	4.73	Free Outfall	2 +1	
1309.90	4.83	Free Outfall	2 +1	
1310.00	4.93	Free Outfall	2 +1	

INFILTRATION RATING TABLE CALCULATIONS

Infilt.(cfs) = (2.0000 (in/hr) \* Area) \* Ku  
 Where: Ku = units conversion factor

W.S.Elev ft	Total Area acres	Infilt. cfs
-----		
No storage at this elevation... infiltration set to zero.		
1306.00	.0600	.00
1306.10	.0618	.12
1306.20	.0635	.13
1306.30	.0654	.13
1306.40	.0672	.14
1306.50	.0690	.14
1306.60	.0709	.14
1306.70	.0728	.15
1306.80	.0748	.15
1306.90	.0767	.15
1307.00	.0787	.16
1307.10	.0807	.16
1307.20	.0828	.17
1307.30	.0848	.17
1307.40	.0869	.18
1307.50	.0890	.18
1307.60	.0912	.18
1307.70	.0934	.19
1307.80	.0955	.19
1307.90	.0978	.20
1308.00	.1000	.20
1308.10	.1018	.21
1308.20	.1037	.21
1308.30	.1056	.21
1308.40	.1075	.22
1308.50	.1094	.22
1308.60	.1113	.22
1308.70	.1132	.23
1308.80	.1152	.23
1308.90	.1172	.24
1309.00	.1192	.24
1309.10	.1212	.24
1309.20	.1232	.25
1309.30	.1252	.25
1309.40	.1273	.26
1309.50	.1294	.26
1309.60	.1315	.27
1309.70	.1336	.27
1309.80	.1357	.27
1309.90	.1378	.28
1310.00	.1400	.28

Name.... POND 1

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

LEVEL POOL ROUTING DATA

HYG Dir = C:\Program Files\Haestad\PPKW\PPW\  
 Inflow HYG file = NONE STORED - POND 1 IN 2 YR  
 Outflow HYG file = NONE STORED - POND 1 OUT 2 YR

Pond Node Data = POND 1  
 Pond Volume Data = POND 1  
 Pond Outlet Data = Outlet 1

Infiltration = 2.0000 in/hr

INITIAL CONDITIONS

-----  
 Starting WS Elev = 1306.00 ft  
 Starting Volume = .000 ac-ft  
 Starting Outflow = .00 cfs  
 Starting Infiltr. = .00 cfs  
 Starting Total Qout= .00 cfs  
 Time Increment = .1000 hrs

Elevation ft	Outflow cfs	Storage ac-ft	Area acres	Infiltr. cfs	Q Total cfs	2S/t + O cfs
1306.00	.00	.000	.0600	.00	.00	.00
1306.10	.02	.006	.0618	.12	.15	1.62
1306.20	.09	.012	.0635	.13	.22	3.21
1306.30	.19	.019	.0654	.13	.32	4.87
1306.40	.31	.025	.0672	.14	.45	6.60
1306.50	.47	.032	.0690	.14	.61	8.41
1306.60	.56	.039	.0709	.14	.70	10.20
1306.70	.63	.046	.0728	.15	.78	12.01
1306.80	.70	.054	.0748	.15	.85	13.87
1306.90	.76	.061	.0767	.15	.92	15.77
1307.00	.82	.069	.0787	.16	.98	17.71
1307.10	.87	.077	.0807	.16	1.03	19.70
1307.20	.92	.085	.0828	.17	1.09	21.73
1307.30	.97	.094	.0848	.17	1.14	23.81
1307.40	1.01	.102	.0869	.18	1.19	25.94
1307.50	1.06	.111	.0890	.18	1.24	28.12
1307.60	1.13	.120	.0912	.18	1.31	30.37
1307.70	1.25	.129	.0934	.19	1.44	32.73
1307.80	1.42	.139	.0955	.19	1.61	35.19
1307.90	1.63	.148	.0978	.20	1.83	37.75

Name.... POND 1

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

LEVEL POOL ROUTING DATA

HYG Dir = C:\Program Files\Haestad\PPKW\PPW\  
 Inflow HYG file = NONE STORED - POND 1 IN 2 YR  
 Outflow HYG file = NONE STORED - POND 1 OUT 2 YR

Pond Node Data = POND 1  
 Pond Volume Data = POND 1  
 Pond Outlet Data = Outlet 1

Infiltration = 2.0000 in/hr

INITIAL CONDITIONS

-----  
 Starting WS Elev = 1306.00 ft  
 Starting Volume = .000 ac-ft  
 Starting Outflow = .00 cfs  
 Starting Infiltr. = .00 cfs  
 Starting Total Qout= .00 cfs  
 Time Increment = .1000 hrs

Elevation ft	Outflow cfs	Storage ac-ft	Area acres	Infiltr. cfs	Q Total cfs	2S/t + O cfs
1308.00	1.88	.158	.1000	.20	2.08	40.39
1308.10	2.15	.168	.1018	.21	2.36	43.11
1308.20	2.44	.179	.1037	.21	2.65	45.89
1308.30	2.74	.189	.1056	.21	2.95	48.73
1308.40	2.93	.200	.1075	.22	3.14	51.49
1308.50	3.10	.211	.1094	.22	3.32	54.29
1308.60	3.26	.222	.1113	.22	3.48	57.13
1308.70	3.41	.233	.1132	.23	3.64	60.00
1308.80	3.55	.244	.1152	.23	3.79	62.91
1308.90	3.69	.256	.1172	.24	3.93	65.86
1309.00	3.82	.268	.1192	.24	4.06	68.86
1309.10	3.95	.280	.1212	.24	4.19	71.90
1309.20	4.07	.292	.1232	.25	4.32	74.98
1309.30	4.19	.304	.1252	.25	4.44	78.11
1309.40	4.30	.317	.1273	.26	4.56	81.28
1309.50	4.41	.330	.1294	.26	4.68	84.50
1309.60	4.52	.343	.1315	.27	4.79	87.77
1309.70	4.63	.356	.1336	.27	4.90	91.09
1309.80	4.73	.370	.1357	.27	5.00	94.45
1309.90	4.83	.383	.1378	.28	5.11	97.87

Name.... POND 1

File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW

LEVEL POOL ROUTING DATA

HYG Dir = C:\Program Files\Haestad\PPKW\PPW\
Inflow HYG file = NONE STORED - POND 1 IN 2 YR
Outflow HYG file = NONE STORED - POND 1 OUT 2 YR

Pond Node Data = POND 1
Pond Volume Data = POND 1
Pond Outlet Data = Outlet 1

Infiltration = 2.0000 in/hr

INITIAL CONDITIONS

Starting WS Elev = 1306.00 ft
Starting Volume = .000 ac-ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .1000 hrs

Table with 7 columns: Elevation ft, Outflow cfs, Storage ac-ft, Area acres, Infiltr. cfs, Q Total cfs, 2S/t + O cfs. Row 1: 1310.00, 4.93, .397, .1400, .28, 5.21, 101.33

Type... Pond Routing Summary  
Name... POND 1 OUT Tag: 2 YR  
File... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW  
Storm... TypeIII 24hr Tag: 2 YR

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Event: 2 yr

LEVEL POOL ROUTING SUMMARY

HYG Dir = C:\Program Files\Haestad\PPKW\PPW\  
Inflow HYG file = NONE STORED - POND 1 IN 2 YR  
Outflow HYG file = NONE STORED - POND 1 OUT 2 YR

Pond Node Data = POND 1  
Pond Volume Data = POND 1  
Pond Outlet Data = Outlet 1

Infiltration = 2.0000 in/hr

INITIAL CONDITIONS

-----  
Starting WS Elev = 1306.00 ft  
Starting Volume = .000 ac-ft  
Starting Outflow = .00 cfs  
Starting Infiltr. = .00 cfs  
Starting Total Qout = .00 cfs  
Time Increment = .1000 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====  
Peak Inflow = .85 cfs at 12.3000 hrs  
Peak Outflow = .30 cfs at 12.7000 hrs  
Peak Infiltration = .14 cfs at 12.7000 hrs  
-----  
Peak Elevation = 1306.39 ft  
Peak Storage = .025 ac-ft  
=====

MASS BALANCE (ac-ft)

-----  
+ Initial Vol = .000  
+ HYG Vol IN = .108  
- Infiltration = .067  
- HYG Vol OUT = .041  
- Retained Vol = .000  
-----  
Unrouted Vol = -.000 ac-ft (.002% of Inflow Volume)



Type... Pond Routing Summary  
Name... POND 1           OUT    Tag: 10 YR  
File... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW  
Storm... TypeIII 24hr    Tag: 10 YR

Page 9.06  
Event: 10 yr

LEVEL POOL ROUTING SUMMARY

HYG Dir                = C:\Program Files\Haestad\PPKW\PPW\  
Inflow HYG file = NONE STORED - POND 1            IN 10 YR  
Outflow HYG file = NONE STORED - POND 1            OUT 10 YR

Pond Node    Data = POND 1  
Pond Volume Data = POND 1  
Pond Outlet Data = Outlet 1

Infiltration =    2.0000 in/hr

INITIAL CONDITIONS

-----  
Starting WS Elev    =   1306.00 ft  
Starting Volume     =       .000 ac-ft  
Starting Outflow    =       .00 cfs  
Starting Infiltr.   =       .00 cfs  
Starting Total Qout=   .00 cfs  
Time Increment     =       .1000 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====  
Peak Inflow        =       1.94 cfs     at   12.3000 hrs  
Peak Outflow       =       .74 cfs     at   12.7000 hrs  
Peak Infiltration =       .15 cfs     at   12.7000 hrs  
-----

Peak Elevation     =   1306.87 ft  
Peak Storage       =       .059 ac-ft  
=====

MASS BALANCE (ac-ft)

-----  
+ Initial Vol    =       .000  
+ HYG Vol IN     =       .230  
- Infiltration   =       .101  
- HYG Vol OUT    =       .129  
- Retained Vol   =       .000  
-----  
Unrouted Vol =       .000 ac-ft   (.001% of Inflow Volume)

Type.... Pond Routing Summary  
Name.... POND 1           OUT    Tag: 25 YR  
File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW  
Storm... TypeIII 24hr    Tag: 25 YR

LEVEL POOL ROUTING SUMMARY

HYG Dir            = C:\Program Files\Haestad\PPKW\PPW\  
Inflow HYG file = NONE STORED - POND 1        IN 25 YR  
Outflow HYG file = NONE STORED - POND 1        OUT 25 YR

Pond Node    Data = POND 1  
Pond Volume Data = POND 1  
Pond Outlet Data = Outlet 1

Infiltration = 2.0000 in/hr

INITIAL CONDITIONS

-----  
Starting WS Elev    = 1306.00 ft  
Starting Volume    =     .000 ac-ft  
Starting Outflow   =     .00 cfs  
Starting Infiltr.   =     .00 cfs  
Starting Total Qout=     .00 cfs  
Time Increment     =     .1000 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

=====  
Peak Inflow        =     2.57 cfs    at 12.3000 hrs  
Peak Outflow       =     .91 cfs     at 12.7000 hrs  
Peak Infiltration =     .17 cfs     at 12.8000 hrs  
=====

Peak Elevation     = 1307.18 ft  
Peak Storage       =     .083 ac-ft  
=====

MASS BALANCE (ac-ft)

-----  
+ Initial Vol     =     .000  
+ HYG Vol IN     =     .302  
- Infiltration   =     .117  
- HYG Vol OUT    =     .185  
- Retained Vol   =     .000  
-----  
Unrouted Vol =     -.000 ac-ft   (.000% of Inflow Volume)

LEVEL POOL ROUTING SUMMARY

HYG Dir = C:\Program Files\Haestad\PPKW\PPW\  
 Inflow HYG file = NONE STORED - POND 1 IN 50 YR  
 Outflow HYG file = NONE STORED - POND 1 OUT 50 YR

Pond Node Data = POND 1  
 Pond Volume Data = POND 1  
 Pond Outlet Data = Outlet 1

Infiltration = 2.0000 in/hr

INITIAL CONDITIONS

```

-----
Starting WS Elev = 1306.00 ft
Starting Volume = .000 ac-ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .1000 hrs
  
```

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

```

=====
Peak Inflow = 3.15 cfs at 12.3000 hrs
Peak Outflow = 1.04 cfs at 12.8000 hrs
Peak Infiltration = .18 cfs at 12.8000 hrs
-----
Peak Elevation = 1307.46 ft
Peak Storage = .107 ac-ft
=====
  
```

MASS BALANCE (ac-ft)

```

-----
+ Initial Vol = .000
+ HYG Vol IN = .368
- Infiltration = .131
- HYG Vol OUT = .237
- Retained Vol = .000
-----
Unrouted Vol = -.000 ac-ft (.001% of Inflow Volume)
  
```

Type.... Pond Routing Summary Page 9.09  
 Name.... POND 1 OUT Tag: 100 YR Event: 100 yr  
 File.... C:\Program Files\Haestad\PPKW\PPW\3092 PRDA 2.PPW  
 Storm... TypeIII 24hr Tag: 100 YR

LEVEL POOL ROUTING SUMMARY

HYG Dir = C:\Program Files\Haestad\PPKW\PPW\  
 Inflow HYG file = NONE STORED - POND 1 IN 100 YR  
 Outflow HYG file = NONE STORED - POND 1 OUT 100 YR

Pond Node Data = POND 1  
 Pond Volume Data = POND 1  
 Pond Outlet Data = Outlet 1

Infiltration = 2.0000 in/hr

INITIAL CONDITIONS

```

-----
Starting WS Elev = 1306.00 ft
Starting Volume = .000 ac-ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout = .00 cfs
Time Increment = .1000 hrs
  
```

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

```

=====
Peak Inflow = 3.82 cfs at 12.3000 hrs
Peak Outflow = 1.34 cfs at 12.8000 hrs
Peak Infiltration = .19 cfs at 12.8000 hrs
-----
Peak Elevation = 1307.75 ft
Peak Storage = .134 ac-ft
=====
  
```

MASS BALANCE (ac-ft)

```

-----
+ Initial Vol = .000
+ HYG Vol IN = .447
- Infiltration = .146
- HYG Vol OUT = .301
- Retained Vol = .000
-----
Unrouted Vol = .000 ac-ft (.000% of Inflow Volume)
  
```

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6.11

----- L -----  
Litchfield Co.... 2.01, 2.02

----- O -----  
Outlet 1... 8.01, 8.03, 8.07

----- P -----  
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----- W -----  
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