Job File: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW
Rain Dir: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

==========
JOB TITLE
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Project Date: 5/25/2004
Project Engineer: Elmer Krussel
Project Title: Wyndgate
Project Comments:
Wyndgate developed runoff with detention

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Diverted Hydrograph 16.130

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MASTER DESIGN STORM SUMMARY

Network Storm Collection: 2 Year

Return Event	Total Depth in	Rainfall Type	RNF ID
15	5.2000	Synthetic Curve	TypeII 24hr
25	5.7000	Synthetic Curve	TypeII 24hr
100	7.0000	Synthetic Curve	TypeII 24hr

ICPM CALCULATION TOLERANCES

Target Convergence=	.000	cfs +/-
Max. Iterations =	35	loops
ICPM Time Step =	.0500	hrs
Output Time Step =	.0500	hrs
ICPM Ending Time =	35.0000	hrs

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

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

Node ID		Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Pond Storage cu.ft
BASIN2		AREA	15	273261		12.1000	75.00		
BASIN2		AREA	25	312030		12.1000	85.53		
BASIN2		AREA	100	415166		12.1000	113.14		
BASIN2	IN	POND	15	273261		12.1000	75.00		
BASIN2	IN	POND	25	312030		12.1000	85.53		

BASIN2	IN	POND	100	415166	12.1000	113.14

S/N:
PondPack Ver: Compute Time: Date:

ICPM CALCULATION TOLERANCES

Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

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

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Pond Storage cu.ft
BASIN2	OUT POND	15	273261		12.3500	36.22	579.73	52419
BASIN2	OUT POND	25	312030		12.4000	38.64	580.52	64776
BASIN2	OUT POND	100	415166		12.3000	74.18	581.77	86573
BASIN3A	AREA	15	736750		12.1500	185.97		
BASIN3A	AREA	25	856233		12.1500	216.84		
BASIN3A	AREA	100	1179491		12.1500	299.42		
BASIN3A	POND	15	736751		12.1500	185.97		
BASIN3A	POND	25	856233		12.1500	216.84		
BASIN3A	POND	100	1179491		12.1500	299.42		
BASIN3A	OUT POND	15	736788		12.4500	79.47	571.42	159214
BASIN3A	OUT POND	25	856276		12.4000	89.70	572.13	196899
BASIN3A	OUT POND	100	1179576		12.4500	110.98	573.68	305395
BASIN3B	POND	15	747895		12.4000	80.46		

BASIN3B	POND	25	869331	12.4000	90.87	
BASIN3B	POND	100	1197962	12.4000	112.38	
BASIN3B	OUT POND	15	747917	12.6000	77.37	
568.16	29667					
BASIN3B	OUT POND	25	869342	12.6500	86.46	
568.52	34199					
BASIN3B	OUT POND	100	1197985	12.6500	109.60	
569.20	42709					
BASIN3B	AREA	15	11107	12.0500	3.44	
BASIN3B	AREA	25	13055	12.0500	4.07	
BASIN3B	AREA	100	18387	12.0500	5.79	

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PondPack Ver: Compute Time: Date:

ICPM CALCULATION TOLERANCES

Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

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

Node ID		Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Pond Storage cu.ft
BASIN4		AREA	15	90257		12.1500	23.54		
BASIN4		AREA	25	105180		12.1500	27.51		
BASIN4		AREA	100	145662		12.1500	38.16		
BASIN4	IN	POND	15	90257		12.1500	23.54		
BASIN4	IN	POND	25	105180		12.1500	27.51		
BASIN4	IN	POND	100	145662		12.1500	38.16		
BASIN4	OUT	POND	15	90257		12.4500	9.45	583.92	20718
BASIN4	OUT	POND	25	105179		12.5000	10.03	584.50	26418
BASIN4	OUT	POND	100	145662		12.5500	11.52	585.84	42791
BASIN5		AREA	15	158941		12.1000	47.49		
BASIN5		AREA	25	186272		12.1000	55.82		
BASIN5		AREA	100	260841		12.1000	78.24		
BASIN5	IN	POND	15	158941		12.1000	47.49		
BASIN5	IN	POND	25	186272		12.1000	55.82		
BASIN5	IN	POND	100	260841		12.1000	78.24		

BASIN5	OUT POND	15	158924	12.7000	7.68	557.82
69784						
BASIN5	OUT POND	25	186254	12.4000	18.34	558.23
75017						
BASIN5	OUT POND	100	260823	12.2500	50.84	558.95
84596						
BYPASS1	AREA	15	898134	12.1500	215.37	
BYPASS1	AREA	25	1005090	12.1500	239.77	
BYPASS1	AREA	100	1285189	12.1500	302.90	

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PondPack Ver: Compute Time: Date:

ICPM CALCULATION TOLERANCES

Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

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

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Pond Storage cu.ft
BYPASS2	AREA	15	1339369		12.1500	345.44		
BYPASS2	AREA	25	1540566		12.1500	397.19		
BYPASS2	AREA	100	2079438		12.1500	533.90		
BYPASS3	AREA	15	440781		12.1500	106.51		
BYPASS3	AREA	25	528347		12.1500	129.96		
BYPASS3	AREA	100	772769		12.1500	194.95		
J1	JCT	15	6942343		12.6000	857.97		
J1	JCT	25	8025762		12.6000	997.04		
J1	JCT	100	10941710		12.6000	1368.25		
J2	JCT	15	1883215		12.6000	134.18		
J2	JCT	25	2110362		12.6500	142.14		
J2	JCT	100	2705805		12.7000	160.71		
J3	JCT	15	8825547		12.7000	991.97		
J3	JCT	25	10136110		12.6500	1138.47		
J3	JCT	100	13647480		12.6500	1526.80		
J4	JCT	15	9996874		12.7500	1055.23		
J4	JCT	25	11453160		12.7500	1208.96		
J4	JCT	100	15347770		12.7000	1613.23		

J5	JCT	15	10744690	12.8500	1110.20
J5	JCT	25	12322410	12.8500	1271.98
J5	JCT	100	16545670	12.8000	1696.62

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PondPack Ver: Compute Time: Date:

ICPM CALCULATION TOLERANCES

Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

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

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL Pond ft	Storage cu.ft
J6	JCT	15	10834920		12.9000	1113.83		
J6	JCT	25	12427540		12.9000	1276.07		
J6	JCT	100	16691270		12.8500	1701.15		
OFFSITE1	AREA	15	436060		12.1000	122.22		
OFFSITE1	AREA	25	487984		12.1000	135.95		
OFFSITE1	AREA	100	623963		12.1000	171.48		
OFFSITE2	AREA	15	395369		12.2000	85.65		
OFFSITE2	AREA	25	445336		12.2000	96.12		
OFFSITE2	AREA	100	576773		12.2000	123.29		
ONSITE1	AREA	15	1051818		12.1500	245.42		
ONSITE1	AREA	25	1177074		12.1500	273.32		
ONSITE1	AREA	100	1505099		12.1500	345.52		
*OUT1	JCT	15	12174230		12.9500	1150.20		
*OUT1	JCT	25	13968050		12.9500	1319.25		
*OUT1	JCT	100	18770680		12.9000	1762.07		
*OUT2	JCT	15	599704		12.1500	112.69		
*OUT2	JCT	25	714601		12.1500	136.55		
*OUT2	JCT	100	1033591		12.2000	236.76		

POND1	IN	POND	15	1883248	12.1500	440.41
POND1	IN	POND	25	2110394	12.1500	491.03
POND1	IN	POND	100	2705836	12.1500	622.12

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ICPM CALCULATION TOLERANCES

Target Convergence=	.000 cfs +/-
Max. Iterations =	35 loops
ICPM Time Step =	.0500 hrs
Output Time Step =	.0500 hrs
ICPM Ending Time =	35.0000 hrs

MASTER NETWORK SUMMARY
SCS Unit Hydrograph Method

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

Node ID	Type	Return Event	HYG Vol cu.ft	Trun	Qpeak hrs	Qpeak cfs	Max WSEL ft	Pond Storage cu.ft
POND1	OUT POND	15	1883215		12.6000	134.18	603.45	681887
POND1	OUT POND	25	2110362		12.6500	142.14	603.93	776107
POND1	OUT POND	100	2705805		12.7000	160.71	605.17	1027384
SUBAREA1	AREA	15	6942343		12.6000	857.97		
SUBAREA1	AREA	25	8025762		12.6000	997.04		
SUBAREA1	AREA	100	10941700		12.6000	1368.25		

NETWORK SUMMARY -- NODES
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

DEFAULT Design Storm File,ID = 2 Year

Storm Tag Name = 15

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 15 yr
Total Rainfall Depth= 5.2000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

ICPM CALCULATION TOLERANCES

Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

Node ID		Type	HYG Vol cu.ft	Trun.	Qpeak hrs	Qpeak cfs	Max WSEL ft
BASIN2		AREA	273261		12.1000	75.00	
BASIN2	IN	POND	273261		12.1000	75.00	
BASIN2	OUT	POND	273261		12.3500	36.22	579.73
BASIN3A		AREA	736750		12.1500	185.97	
BASIN3A		POND	736751		12.1500	185.97	
BASIN3A	OUT	POND	736788		12.4500	79.47	571.42
BASIN3B		POND	747895		12.4000	80.46	
BASIN3B	OUT	POND	747917		12.6000	77.37	568.16
BASIN3B		AREA	11107		12.0500	3.44	
BASIN4		AREA	90257		12.1500	23.54	
BASIN4	IN	POND	90257		12.1500	23.54	

	BASIN4	OUT	POND	90257	12.4500	9.45
583.92						
	BASIN5		AREA	158941	12.1000	47.49
	BASIN5	IN	POND	158941	12.1000	47.49
	BASIN5	OUT	POND	158924	12.7000	7.68
557.82						
	BYPASS1		AREA	898134	12.1500	215.37
	BYPASS2		AREA	1339369	12.1500	345.44
	BYPASS3		AREA	440781	12.1500	106.51
	J1		JCT	6942343	12.6000	857.97
	J2		JCT	1883215	12.6000	134.18
	J3		JCT	8825547	12.7000	991.97
	J4		JCT	9996874	12.7500	1055.23
	J5		JCT	10744690	12.8500	1110.20

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NETWORK SUMMARY -- NODES
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

Node ID		Type	HYG Vol cu.ft	Trun.	Qpeak hrs	Qpeak cfs	Max WSEL ft
J6		JCT	10834920		12.9000	1113.83	
OFFSITE1		AREA	436060		12.1000	122.22	
OFFSITE2		AREA	395369		12.2000	85.65	
ONSITE1		AREA	1051818		12.1500	245.42	
Outfall OUT1		JCT	12174230		12.9500	1150.20	
Outfall OUT2		JCT	599704		12.1500	112.69	
POND1	IN	POND	1883248		12.1500	440.41	
POND1	OUT	POND	1883215		12.6000	134.18	603.45
SUBAREA1		AREA	6942343		12.6000	857.97	

NETWORK SUMMARY -- LINKS
(UN=Upstream Node; DL=DNstream End of Link; DN=DNstream Node)
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

DEFAULT Design Storm File,ID = 2 Year

Storm Tag Name = 15

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 15 yr
Total Rainfall Depth= 5.2000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

ICPM CALCULATION TOLERANCES
Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

Link ID	Type		HYG Vol cu.ft	Trun.	Peak Time hrs	Peak Q cfs	End Points
ADDLINK 10	ADD	UN	436060		12.1000	122.22	OFFSITE1
		DL	436060		12.1000	122.22	
		DN	1883248		12.1500	440.41	POND1 IN
ADDLINK 100	ADD	UN	440781		12.1500	106.51	BYPASS3
		DL	440781		12.1500	106.51	
		DN	599704		12.1500	112.69	OUT2
ADDLINK 110	ADD	UN	1339369		12.1500	345.44	BYPASS2
		DL	1339369		12.1500	345.44	
		DN	12174230		12.9500	1150.20	OUT1
ADDLINK 120	ADD	UN	158941		12.1000	47.49	BASIN5
		DL	158941		12.1000	47.49	

		DN	158941	12.1000	47.49	BASIN5
IN						
ADDLINK 20	ADD	UN	1051818	12.1500	245.42	ONSITE1
		DL	1051818	12.1500	245.42	
		DN	1883248	12.1500	440.41	POND1
IN						

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NETWORK SUMMARY -- LINKS
(UN=Upstream Node; DL=DNstream End of Link; DN=DNstream Node)
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

Link ID	Type		HYG Vol cu.ft	Trun.	Peak Time hrs	Peak Q cfs	End Points
ADDLINK 30	ADD	UN	395369		12.2000	85.65	OFFSITE2
		DL	395369		12.2000	85.65	
		DN	1883248		12.1500	440.41	POND1 IN
ADDLINK 40	ADD	UN	898134		12.1500	215.37	BYPASS1
		DL	898134		12.1500	215.37	
		DN	9996874		12.7500	1055.23	J4
ADDLINK 50	ADD	UN	273261		12.1000	75.00	BASIN2
		DL	273261		12.1000	75.00	
		DN	273261		12.1000	75.00	BASIN2 IN
ADDLINK 60	ADD	UN	736750		12.1500	185.97	BASIN3A
		DL	736750		12.1500	185.97	
		DN	736751		12.1500	185.97	BASIN3A
ADDLINK 70	ADD	UN	11107		12.0500	3.44	BASIN3B
		DL	11107		12.0500	3.44	
		DN	747895		12.4000	80.46	BASIN3B
ADDLINK 80	ADD	UN	90257		12.1500	23.54	BASIN4
		DL	90257		12.1500	23.54	
		DN	90257		12.1500	23.54	BASIN4 IN
ADDLINK 90	ADD	UN	6942343		12.6000	857.97	SUBAREA1
		DL	6942343		12.6000	857.97	
		DN	6942343		12.6000	857.97	J1
REACH 10	REACH	UN	1883215		12.6000	134.18	J2
		DL	1883217		12.6500	134.18	
		DN	8825547		12.7000	991.97	J3
REACH 20	REACH	UN	8825547		12.7000	991.97	J3
		DL	8825485		12.8000	978.86	
		DN	9996874		12.7500	1055.23	J4

REACH 30	REACH	UN	9996874	12.7500	1055.23	J4
		DL	9996781	12.8500	1036.26	
		DN	10744690	12.8500	1110.20	J5

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NETWORK SUMMARY -- LINKS
(UN=Upstream Node; DL=DNstream End of Link; DN=DNstream Node)
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

Link ID	Type		HYG Vol cu.ft	Trun.	Peak Time hrs	Peak Q cfs	End Points
REACH 40	REACH	UN	10744690		12.8500	1110.20	J5
		DL	10744660		12.9000	1105.06	
		DN	10834920		12.9000	1113.83	J6
REACH 50	REACH	UN	6942343		12.6000	857.97	J1
		DL	6942323		12.7000	857.91	
		DN	8825547		12.7000	991.97	J3
REACH 60	REACH	UN	10834920		12.9000	1113.83	J6
		DL	10834860		13.0000	1102.61	
		DN	12174230		12.9500	1150.20	OUT1
ROUTE 1	PONDrt	UN	1883248		12.1500	440.41	POND1 IN
ROUTE 1			1883215		12.6000	134.18	POND1 OUT
		DL	1883215		12.6000	134.18	
		DN	1883215		12.6000	134.18	J2
ROUTE 10	PONDrt	UN	747895		12.4000	80.46	BASIN3B IN
ROUTE 10			747917		12.6000	77.37	BASIN3B OUT
		DL	747909		12.6000	77.37	
		DN	10744690		12.8500	1110.20	J5
ROUTE 2	PONDrt	UN	273261		12.1000	75.00	BASIN2 IN
ROUTE 2			273261		12.3500	36.22	BASIN2 OUT
		DL	273261		12.3500	36.22	
		DN	9996874		12.7500	1055.23	J4
ROUTE 20	PONDrt	UN	90257		12.1500	23.54	BASIN4 IN
ROUTE 20			90257		12.4500	9.45	BASIN4 OUT
		DL	90257		12.4500	9.45	

		DN	10834920	12.9000	1113.83	J6
ROUTE 30 IN	PONDrt	UN	736751	12.1500	185.97	BASIN3A
ROUTE 30 OUT			736788	12.4500	79.47	BASIN3A
		DL	736780	12.4500	79.47	
		DN	747895	12.4000	80.46	BASIN3B
ROUTE 60 IN	PONDrt	UN	158941	12.1000	47.49	BASIN5
ROUTE 60 OUT			158924	12.7000	7.68	BASIN5
		DL	158923	12.7000	7.68	
		DN	599704	12.1500	112.69	OUT2

S/N:
PondPack Ver: Compute Time: Date:

NETWORK SUMMARY -- NODES
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

DEFAULT Design Storm File,ID = 2 Year

Storm Tag Name = 25

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 25 yr
Total Rainfall Depth= 5.7000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

ICPM CALCULATION TOLERANCES
Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

Node ID		Type	HYG Vol cu.ft	Trun.	Qpeak hrs	Qpeak cfs	Max WSEL ft
BASIN2		AREA	312030		12.1000	85.53	
BASIN2	IN	POND	312030		12.1000	85.53	
BASIN2	OUT	POND	312030		12.4000	38.64	580.52
BASIN3A		AREA	856233		12.1500	216.84	
BASIN3A		POND	856233		12.1500	216.84	
BASIN3A	OUT	POND	856276		12.4000	89.70	572.13
BASIN3B		POND	869331		12.4000	90.87	
BASIN3B	OUT	POND	869342		12.6500	86.46	568.52
BASIN3B		AREA	13055		12.0500	4.07	
BASIN4		AREA	105180		12.1500	27.51	
BASIN4	IN	POND	105180		12.1500	27.51	

	BASIN4	OUT	POND	105179	12.5000	10.03
584.50						
	BASIN5		AREA	186272	12.1000	55.82
	BASIN5	IN	POND	186272	12.1000	55.82
	BASIN5	OUT	POND	186254	12.4000	18.34
558.23						
	BYPASS1		AREA	1005090	12.1500	239.77
	BYPASS2		AREA	1540566	12.1500	397.19
	BYPASS3		AREA	528347	12.1500	129.96
	J1		JCT	8025762	12.6000	997.04
	J2		JCT	2110362	12.6500	142.14
	J3		JCT	10136110	12.6500	1138.47
	J4		JCT	11453160	12.7500	1208.96
	J5		JCT	12322410	12.8500	1271.98

NETWORK SUMMARY -- NODES
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

Node ID		Type	HYG Vol cu.ft	Trun.	Qpeak hrs	Qpeak cfs	Max WSEL ft
J6		JCT	12427540		12.9000	1276.07	
OFFSITE1		AREA	487984		12.1000	135.95	
OFFSITE2		AREA	445336		12.2000	96.12	
ONSITE1		AREA	1177074		12.1500	273.32	
Outfall OUT1		JCT	13968050		12.9500	1319.25	
Outfall OUT2		JCT	714601		12.1500	136.55	
POND1	IN	POND	2110394		12.1500	491.03	
POND1	OUT	POND	2110362		12.6500	142.14	603.93
SUBAREA1		AREA	8025762		12.6000	997.04	

NETWORK SUMMARY -- LINKS
(UN=Upstream Node; DL=DNstream End of Link; DN=DNstream Node)
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

DEFAULT Design Storm File,ID = 2 Year

Storm Tag Name = 25

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 25 yr
Total Rainfall Depth= 5.7000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

ICPM CALCULATION TOLERANCES
Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

Link ID	Type		HYG Vol cu.ft	Trun.	Peak Time hrs	Peak Q cfs	End Points
ADDLINK 10	ADD	UN	487984		12.1000	135.95	OFFSITE1
		DL	487984		12.1000	135.95	
		DN	2110394		12.1500	491.03	POND1 IN
ADDLINK 100	ADD	UN	528347		12.1500	129.96	BYPASS3
		DL	528347		12.1500	129.96	
		DN	714601		12.1500	136.55	OUT2
ADDLINK 110	ADD	UN	1540566		12.1500	397.19	BYPASS2
		DL	1540566		12.1500	397.19	
		DN	13968050		12.9500	1319.25	OUT1
ADDLINK 120	ADD	UN	186272		12.1000	55.82	BASIN5
		DL	186272		12.1000	55.82	

		DN	186272	12.1000	55.82	BASIN5
IN						
ADDLINK 20	ADD	UN	1177074	12.1500	273.32	ONSITE1
		DL	1177074	12.1500	273.32	
		DN	2110394	12.1500	491.03	POND1
IN						

S/N:
PondPack Ver: Compute Time: Date:

NETWORK SUMMARY -- LINKS
(UN=Upstream Node; DL=DNstream End of Link; DN=DNstream Node)
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

Link ID	Type		HYG Vol cu.ft	Trun.	Peak Time hrs	Peak Q cfs	End Points
ADDLINK 30	ADD	UN	445336		12.2000	96.12	OFFSITE2
		DL	445336		12.2000	96.12	
		DN	2110394		12.1500	491.03	POND1 IN
ADDLINK 40	ADD	UN	1005090		12.1500	239.77	BYPASS1
		DL	1005090		12.1500	239.77	
		DN	11453160		12.7500	1208.96	J4
ADDLINK 50	ADD	UN	312030		12.1000	85.53	BASIN2
		DL	312030		12.1000	85.53	
		DN	312030		12.1000	85.53	BASIN2 IN
ADDLINK 60	ADD	UN	856233		12.1500	216.84	BASIN3A
		DL	856233		12.1500	216.84	
		DN	856233		12.1500	216.84	BASIN3A
ADDLINK 70	ADD	UN	13055		12.0500	4.07	BASIN3B
		DL	13055		12.0500	4.07	
		DN	869331		12.4000	90.87	BASIN3B
ADDLINK 80	ADD	UN	105180		12.1500	27.51	BASIN4
		DL	105180		12.1500	27.51	
		DN	105180		12.1500	27.51	BASIN4 IN
ADDLINK 90	ADD	UN	8025762		12.6000	997.04	SUBAREA1
		DL	8025762		12.6000	997.04	
		DN	8025762		12.6000	997.04	J1
REACH 10	REACH	UN	2110362		12.6500	142.14	J2
		DL	2110363		12.6500	142.09	
		DN	10136110		12.6500	1138.47	J3
REACH 20	REACH	UN	10136110		12.6500	1138.47	J3
		DL	10136050		12.7500	1124.44	
		DN	11453160		12.7500	1208.96	J4

REACH 30	REACH	UN	11453160	12.7500	1208.96	J4
		DL	11453070	12.8500	1188.88	
		DN	12322410	12.8500	1271.98	J5

S/N:
PondPack Ver: Compute Time: Date:

NETWORK SUMMARY -- LINKS
(UN=Upstream Node; DL=DNstream End of Link; DN=DNstream Node)
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

Link ID	Type		HYG Vol cu.ft	Trun.	Peak Time hrs	Peak Q cfs	End Points
REACH 40	REACH	UN	12322410		12.8500	1271.98	J5
		DL	12322370		12.9000	1266.55	
		DN	12427540		12.9000	1276.07	J6
REACH 50	REACH	UN	8025762		12.6000	997.04	J1
		DL	8025735		12.6500	996.38	
		DN	10136110		12.6500	1138.47	J3
REACH 60	REACH	UN	12427540		12.9000	1276.07	J6
		DL	12427490		12.9500	1263.42	
		DN	13968050		12.9500	1319.25	OUT1
ROUTE 1	PONDrt	UN	2110394		12.1500	491.03	POND1 IN
ROUTE 1			2110362		12.6500	142.14	POND1 OUT
		DL	2110362		12.6500	142.14	
		DN	2110362		12.6500	142.14	J2
ROUTE 10	PONDrt	UN	869331		12.4000	90.87	BASIN3B IN
ROUTE 10			869342		12.6500	86.46	BASIN3B OUT
		DL	869335		12.6500	86.46	
		DN	12322410		12.8500	1271.98	J5
ROUTE 2	PONDrt	UN	312030		12.1000	85.53	BASIN2 IN
ROUTE 2			312030		12.4000	38.64	BASIN2 OUT
		DL	312030		12.4000	38.64	
		DN	11453160		12.7500	1208.96	J4
ROUTE 20	PONDrt	UN	105180		12.1500	27.51	BASIN4 IN
ROUTE 20			105179		12.5000	10.03	BASIN4 OUT
		DL	105179		12.5000	10.03	

		DN	12427540	12.9000	1276.07	J6
ROUTE 30 IN	PONDrt	UN	856233	12.1500	216.84	BASIN3A
ROUTE 30 OUT			856276	12.4000	89.70	BASIN3A
		DL	856268	12.4000	89.70	
		DN	869331	12.4000	90.87	BASIN3B
ROUTE 60 IN	PONDrt	UN	186272	12.1000	55.82	BASIN5
ROUTE 60 OUT			186254	12.4000	18.34	BASIN5
		DL	186254	12.4000	18.34	
		DN	714601	12.1500	136.55	OUT2

S/N:
PondPack Ver: Compute Time: Date:

NETWORK SUMMARY -- NODES
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

DEFAULT Design Storm File,ID = 2 Year

Storm Tag Name = 100

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 100 yr
Total Rainfall Depth= 7.0000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

ICPM CALCULATION TOLERANCES
Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

Node ID		Type	HYG Vol cu.ft	Trun.	Qpeak hrs	Qpeak cfs	Max WSEL ft
BASIN2		AREA	415166		12.1000	113.14	
BASIN2	IN	POND	415166		12.1000	113.14	
BASIN2	OUT	POND	415166		12.3000	74.18	581.77
BASIN3A		AREA	1179491		12.1500	299.42	
BASIN3A		POND	1179491		12.1500	299.42	
BASIN3A	OUT	POND	1179576		12.4500	110.98	573.68
BASIN3B		POND	1197962		12.4000	112.38	
BASIN3B	OUT	POND	1197985		12.6500	109.60	569.20
BASIN3B		AREA	18387		12.0500	5.79	
BASIN4		AREA	145662		12.1500	38.16	
BASIN4	IN	POND	145662		12.1500	38.16	

	BASIN4	OUT	POND	145662	12.5500	11.52
585.84						
	BASIN5		AREA	260841	12.1000	78.24
	BASIN5	IN	POND	260841	12.1000	78.24
	BASIN5	OUT	POND	260823	12.2500	50.84
558.95						
	BYPASS1		AREA	1285189	12.1500	302.90
	BYPASS2		AREA	2079438	12.1500	533.90
	BYPASS3		AREA	772769	12.1500	194.95
	J1		JCT	10941710	12.6000	1368.25
	J2		JCT	2705805	12.7000	160.71
	J3		JCT	13647480	12.6500	1526.80
	J4		JCT	15347770	12.7000	1613.23
	J5		JCT	16545670	12.8000	1696.62

NETWORK SUMMARY -- NODES
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

Node ID		Type	HYG Vol cu.ft	Trun.	Qpeak hrs	Qpeak cfs	Max WSEL ft
J6		JCT	16691270		12.8500	1701.15	
OFFSITE1		AREA	623963		12.1000	171.48	
OFFSITE2		AREA	576773		12.2000	123.29	
ONSITE1		AREA	1505099		12.1500	345.52	
Outfall OUT1		JCT	18770680		12.9000	1762.07	
Outfall OUT2		JCT	1033591		12.2000	236.76	
POND1	IN	POND	2705836		12.1500	622.12	
POND1	OUT	POND	2705805		12.7000	160.71	605.17
SUBAREA1		AREA	10941700		12.6000	1368.25	

NETWORK SUMMARY -- LINKS
(UN=Upstream Node; DL=DNstream End of Link; DN=DNstream Node)
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

DEFAULT Design Storm File,ID = 2 Year

Storm Tag Name = 100

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 100 yr
Total Rainfall Depth= 7.0000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

ICPM CALCULATION TOLERANCES
Target Convergence= .000 cfs +/-
Max. Iterations = 35 loops
ICPM Time Step = .0500 hrs
Output Time Step = .0500 hrs
ICPM Ending Time = 35.0000 hrs

Link ID	Type		HYG Vol cu.ft	Trun.	Peak Time hrs	Peak Q cfs	End Points
ADDLINK 10	ADD	UN	623963		12.1000	171.48	OFFSITE1
		DL	623963		12.1000	171.48	
		DN	2705836		12.1500	622.12	POND1 IN
ADDLINK 100	ADD	UN	772769		12.1500	194.95	BYPASS3
		DL	772769		12.1500	194.95	
		DN	1033591		12.2000	236.76	OUT2
ADDLINK 110	ADD	UN	2079438		12.1500	533.90	BYPASS2
		DL	2079438		12.1500	533.90	
		DN	18770680		12.9000	1762.07	OUT1
ADDLINK 120	ADD	UN	260841		12.1000	78.24	BASIN5
		DL	260841		12.1000	78.24	

		DN	260841	12.1000	78.24	BASIN5
IN						
ADDLINK 20	ADD	UN	1505099	12.1500	345.52	ONSITE1
		DL	1505099	12.1500	345.52	
		DN	2705836	12.1500	622.12	POND1
IN						

S/N:
PondPack Ver: Compute Time: Date:

NETWORK SUMMARY -- LINKS
(UN=Upstream Node; DL=DNstream End of Link; DN=DNstream Node)
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

Link ID	Type		HYG Vol cu.ft	Trun.	Peak Time hrs	Peak Q cfs	End Points
ADDLINK 30	ADD	UN	576773		12.2000	123.29	OFFSITE2
		DL	576773		12.2000	123.29	
		DN	2705836		12.1500	622.12	POND1 IN
ADDLINK 40	ADD	UN	1285189		12.1500	302.90	BYPASS1
		DL	1285189		12.1500	302.90	
		DN	15347770		12.7000	1613.23	J4
ADDLINK 50	ADD	UN	415166		12.1000	113.14	BASIN2
		DL	415166		12.1000	113.14	
		DN	415166		12.1000	113.14	BASIN2 IN
ADDLINK 60	ADD	UN	1179491		12.1500	299.42	BASIN3A
		DL	1179491		12.1500	299.42	
		DN	1179491		12.1500	299.42	BASIN3A
ADDLINK 70	ADD	UN	18387		12.0500	5.79	BASIN3B
		DL	18387		12.0500	5.79	
		DN	1197962		12.4000	112.38	BASIN3B
ADDLINK 80	ADD	UN	145662		12.1500	38.16	BASIN4
		DL	145662		12.1500	38.16	
		DN	145662		12.1500	38.16	BASIN4 IN
ADDLINK 90	ADD	UN	10941700		12.6000	1368.25	SUBAREA1
		DL	10941700		12.6000	1368.25	
		DN	10941710		12.6000	1368.25	J1
REACH 10	REACH	UN	2705805		12.7000	160.71	J2
		DL	2705802		12.7000	160.68	
		DN	13647480		12.6500	1526.80	J3
REACH 20	REACH	UN	13647480		12.6500	1526.80	J3
		DL	13647410		12.7500	1510.31	
		DN	15347770		12.7000	1613.23	J4

REACH 30	REACH	UN	15347770	12.7000	1613.23	J4
		DL	15347690	12.8000	1589.79	
		DN	16545670	12.8000	1696.62	J5

S/N:
PondPack Ver: Compute Time: Date:

NETWORK SUMMARY -- LINKS
(UN=Upstream Node; DL=DNstream End of Link; DN=DNstream Node)
(Trun.= HYG Truncation: Blank=None; L=Left; R=Rt; LR=Left & Rt)

Link ID	Type		HYG Vol cu.ft	Trun.	Peak Time hrs	Peak Q cfs	End Points
REACH 40	REACH	UN	16545670		12.8000	1696.62	J5
		DL	16545610		12.8500	1689.99	
		DN	16691270		12.8500	1701.15	J6
REACH 50	REACH	UN	10941710		12.6000	1368.25	J1
		DL	10941680		12.6500	1366.30	
		DN	13647480		12.6500	1526.80	J3
REACH 60	REACH	UN	16691270		12.8500	1701.15	J6
		DL	16691220		12.9500	1687.30	
		DN	18770680		12.9000	1762.07	OUT1
ROUTE 1	PONDrt	UN	2705836		12.1500	622.12	POND1 IN
ROUTE 1			2705805		12.7000	160.71	POND1 OUT
		DL	2705805		12.7000	160.71	
		DN	2705805		12.7000	160.71	J2
ROUTE 10	PONDrt	UN	1197962		12.4000	112.38	BASIN3B IN
ROUTE 10			1197985		12.6500	109.60	BASIN3B OUT
		DL	1197972		12.6500	109.60	
		DN	16545670		12.8000	1696.62	J5
ROUTE 2	PONDrt	UN	415166		12.1000	113.14	BASIN2 IN
ROUTE 2			415166		12.3000	74.18	BASIN2 OUT
		DL	415166		12.3000	74.18	
		DN	15347770		12.7000	1613.23	J4
ROUTE 20	PONDrt	UN	145662		12.1500	38.16	BASIN4 IN
ROUTE 20			145662		12.5500	11.52	BASIN4 OUT
		DL	145662		12.5500	11.52	

		DN	16691270	12.8500	1701.15	J6
ROUTE 30 IN	PONDrt	UN	1179491	12.1500	299.42	BASIN3A
ROUTE 30 OUT			1179576	12.4500	110.98	BASIN3A
		DL	1179573	12.4500	110.98	
		DN	1197962	12.4000	112.38	BASIN3B
ROUTE 60 IN	PONDrt	UN	260841	12.1000	78.24	BASIN5
ROUTE 60 OUT			260823	12.2500	50.84	BASIN5
		DL	260823	12.2500	50.84	
		DN	1033591	12.2000	236.76	OUT2

S/N:
PondPack Ver: Compute Time: Date:

NETWORK RUNOFF NODE SEQUENCE

Runoff Data		Apply to Node		Receiving Link	
SCS UH	OFFSITE1	Subarea	OFFSITE1	Add Hyd	OFFSITE1
SCS UH	ONSITE1	Subarea	ONSITE1	Add Hyd	ONSITE1
SCS UH	OFFSITE2	Subarea	OFFSITE2	Add Hyd	OFFSITE2
SCS UH	BASIN2	Subarea	BASIN2	Add Hyd	BASIN2
SCS UH	BASIN3A	Subarea	BASIN3A	Add Hyd	BASIN3A
SCS UH	BASIN3B	Subarea	BASIN3B	Add Hyd	BASIN3B
SCS UH	BASIN4	Subarea	BASIN4	Add Hyd	BASIN4
SCS UH	SUBAREA1	Subarea	SUBAREA1	Add Hyd	SUBAREA1
SCS UH	BYPASS1	Subarea	BYPASS1	Add Hyd	BYPASS1
SCS UH	BYPASS2	Subarea	BYPASS2	Add Hyd	BYPASS2
SCS UH	BYPASS3	Subarea	BYPASS3	Add Hyd	BYPASS3
SCS UH	BASIN5	Subarea	BASIN5	Add Hyd	BASIN5

NETWORK ROUTING SEQUENCE

Link Operation	UPstream Node			DNstream Node	
Add Hyd ADDLINK 20	Subarea ONSITE1			Pond	POND1 IN
Add Hyd ADDLINK 10	Subarea OFFSITE1			Pond	POND1 IN
Add Hyd ADDLINK 30	Subarea OFFSITE2			Pond	POND1 IN
POND ROUTE TOTAL OUTFLOW...					
Total Pond Outflow	Pond	POND1	IN	Outflow	POND1 OUT
SET POND ROUTING LINK TO TOTAL POND OUTFLOW...					
Outlet ROUTE 1	Outflow	POND1	OUT	Jct	J2
Add Hyd ADDLINK 90	Subarea SUBAREA1			Jct	J1
Reach REACH 50	Jct	J1		Jct	J3
Reach REACH 10	Jct	J2		Jct	J3
Add Hyd ADDLINK 50	Subarea BASIN2			Pond	BASIN2 IN
POND ROUTE TOTAL OUTFLOW...					
Total Pond Outflow	Pond	BASIN2	IN	Outflow	BASIN2 OUT
SET POND ROUTING LINK TO TOTAL POND OUTFLOW...					
Outlet ROUTE 2	Outflow	BASIN2	OUT	Jct	J4
Reach REACH 20	Jct	J3		Jct	J4
Add Hyd ADDLINK 40	Subarea BYPASS1			Jct	J4

****

```
   BEGIN ICPM SEQUENCE  (Top of calculation loop for one time step)

*************************************************************************
**

   Add Hyd ADDLINK 60        Subarea BASIN3A           Pond    BASIN3A

   POND ROUTE TOTAL OUTFLOW...
   Total Pond Outflow        Pond    BASIN3A           Outflow BASIN3A
OUT

   SET POND ROUTING LINK TO TOTAL POND OUTFLOW...
   Outlet  ROUTE 30          Outflow BASIN3A      OUT  Pond    BASIN3B

   Add Hyd ADDLINK 70        Subarea BASIN3B           Pond    BASIN3B

   POND ROUTE TOTAL OUTFLOW...
   Total Pond Outflow        Pond    BASIN3B           Outflow BASIN3B
OUT

   SET POND ROUTING LINK TO TOTAL POND OUTFLOW...
   Outlet  ROUTE 10          Outflow BASIN3B      OUT  Jct     J5



*************************************************************************
**
   END ICPM SEQUENCE  (Bottom of calculation loop for one time step)

*************************************************************************
**

   Reach   REACH 30          Jct     J4                Jct     J5

   Add Hyd ADDLINK 80        Subarea BASIN4            Pond    BASIN4
IN

   POND ROUTE TOTAL OUTFLOW...
   Total Pond Outflow        Pond    BASIN4       IN   Outflow BASIN4
OUT

   SET POND ROUTING LINK TO TOTAL POND OUTFLOW...
   Outlet  ROUTE 20          Outflow BASIN4       OUT  Jct     J6

   Add Hyd ADDLINK 120       Subarea BASIN5            Pond    BASIN5
IN

   POND ROUTE TOTAL OUTFLOW...
   Total Pond Outflow        Pond    BASIN5       IN   Outflow BASIN5
OUT

   SET POND ROUTING LINK TO TOTAL POND OUTFLOW...
   Outlet  ROUTE 60          Outflow BASIN5       OUT  Jct     OUT2
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Reach	REACH 40	Jct	J5	Jct	J6
Add Hyd	ADDLINK 100	Subarea	BYPASS3	Jct	OUT2
Reach	REACH 60	Jct	J6	Jct	OUT1
Add Hyd	ADDLINK 110	Subarea	BYPASS2	Jct	OUT1

S/N:
PondPack Ver: Compute Time: Date:

Name.... 2 Year

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Title... Project Date: 5/25/2004
Project Engineer: Elmer Krussel
Project Title: Wyndgate
Project Comments:
Wyndgate developed runoff with detention

DESIGN STORMS SUMMARY

Design Storm File,ID = 2 Year

Storm Tag Name = 15

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 15 yr
Total Rainfall Depth= 5.2000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

Storm Tag Name = 25

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 25 yr
Total Rainfall Depth= 5.7000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

Storm Tag Name = 100

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 100 yr
Total Rainfall Depth= 7.0000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

DESIGN STORMS SUMMARY

Design Storm File,ID = 2 Year

Storm Tag Name = 15

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 15 yr
Total Rainfall Depth= 5.2000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

Storm Tag Name = 25

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 25 yr
Total Rainfall Depth= 5.7000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

Storm Tag Name = 100

Data Type, File, ID = Synthetic Storm TypeII 24hr
Storm Frequency = 100 yr
Total Rainfall Depth= 7.0000 in
Duration Multiplier = 1
Resulting Duration = 24.0000 hrs
Resulting Start Time= .0000 hrs Step= .1000 hrs End= 24.0000 hrs

CUMULATIVE RAINFALL FRACTIONS
Output Time increment = .1000 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.000	.001	.002	.003 .004
.5000	.005	.006	.007	.008 .009
1.0000	.011	.012	.013	.014 .015
1.5000	.016	.017	.018	.020 .021
2.0000	.022	.023	.024	.026 .027
2.5000	.028	.029	.031	.032 .033
3.0000	.035	.036	.037	.038 .040
3.5000	.041	.042	.044	.045 .047
4.0000	.048	.049	.051	.052 .054
4.5000	.055	.057	.058	.060 .061
5.0000	.063	.065	.066	.068 .070
5.5000	.071	.073	.075	.076 .078
6.0000	.080	.082	.084	.085 .087
6.5000	.089	.091	.093	.095 .097
7.0000	.099	.101	.103	.105 .107
7.5000	.109	.111	.113	.116 .118
8.0000	.120	.122	.125	.127 .130
8.5000	.132	.135	.138	.141 .144
9.0000	.147	.150	.153	.157 .160
9.5000	.163	.166	.170	.173 .177
10.0000	.181	.185	.189	.194 .199

10.5000	.204	.209	.215	.221
.228				
11.0000	.235	.243	.251	.261
.271				
11.5000	.283	.307	.354	.431
.568				
12.0000	.663	.682	.699	.713
.725				
12.5000	.735	.743	.751	.759
.766				
13.0000	.772	.778	.784	.789
.794				
13.5000	.799	.804	.808	.812
.816				
14.0000	.820	.824	.827	.831
.834				
14.5000	.838	.841	.844	.847
.850				
15.0000	.854	.856	.859	.862
.865				
15.5000	.868	.870	.873	.875
.878				
16.0000	.880	.882	.885	.887
.889				
16.5000	.891	.893	.895	.898
.900				
17.0000	.902	.904	.906	.908
.910				
17.5000	.912	.914	.915	.917
.919				
18.0000	.921	.923	.925	.926
.928				
18.5000	.930	.931	.933	.935
.936				
19.0000	.938	.939	.941	.942
.944				
19.5000	.945	.947	.948	.949
.951				
20.0000	.952	.953	.955	.956
.957				
20.5000	.958	.960	.961	.962
.964				
21.0000	.965	.966	.967	.968
.970				
21.5000	.971	.972	.973	.975
.976				

S/N:
PondPack Ver: Compute Time: Date:

CUMULATIVE RAINFALL FRACTIONS
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.0000	.977	.978	.979	.981 .982
22.5000	.983	.984	.985	.986 .988
23.0000	.989	.990	.991	.992 .993
23.5000	.994	.996	.997	.998 .999
24.0000	1.000			

CUMULATIVE RAINFALL DEPTHS (in)
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
.0000	.0000	.0053	.0105	.0159	.0212
.5000	.0267	.0321	.0377	.0433	.0489
1.0000	.0546	.0604	.0661	.0720	.0779
1.5000	.0839	.0899	.0959	.1020	.1082
2.0000	.1144	.1207	.1270	.1334	.1398
2.5000	.1463	.1528	.1594	.1660	.1727
3.0000	.1794	.1862	.1930	.1999	.2069
3.5000	.2139	.2209	.2280	.2351	.2424
4.0000	.2496	.2569	.2644	.2719	.2796
4.5000	.2873	.2952	.3031	.3112	.3193
5.0000	.3276	.3360	.3444	.3530	.3617
5.5000	.3705	.3794	.3884	.3975	.4067
6.0000	.4160	.4254	.4349	.4445	.4543
6.5000	.4641	.4740	.4841	.4942	.5045
7.0000	.5148	.5253	.5358	.5465	.5572
7.5000	.5681	.5791	.5901	.6013	.6126
8.0000	.6240	.6357	.6479	.6607	.6739
8.5000	.6877	.7020	.7168	.7322	.7480
9.0000	.7644	.7810	.7977	.8143	.8310
9.5000	.8476	.8647	.8825	.9013	.9208

10.0000	.9412	.9626	.9853	1.0092
1.0344				
10.5000	1.0608	1.0889	1.1190	1.1513
1.1856				
11.0000	1.2220	1.2619	1.3069	1.3568
1.4117				
11.5000	1.4716	1.5956	1.8427	2.2401
2.9529				
12.0000	3.4476	3.5462	3.6329	3.7078
3.7708				
12.5000	3.8220	3.8659	3.9071	3.9456
3.9813				
13.0000	4.0144	4.0454	4.0749	4.1030
4.1296				
13.5000	4.1548	4.1787	4.2016	4.2234
4.2442				
14.0000	4.2640	4.2831	4.3018	4.3201
4.3380				
14.5000	4.3557	4.3729	4.3898	4.4063
4.4224				
15.0000	4.4382	4.4536	4.4687	4.4834
4.4977				
15.5000	4.5117	4.5252	4.5385	4.5514
4.5639				
16.0000	4.5760	4.5879	4.5997	4.6113
4.6228				
16.5000	4.6342	4.6454	4.6565	4.6675
4.6784				
17.0000	4.6891	4.6997	4.7102	4.7205
4.7307				
17.5000	4.7408	4.7507	4.7605	4.7702
4.7798				
18.0000	4.7892	4.7985	4.8077	4.8167
4.8256				
18.5000	4.8344	4.8430	4.8515	4.8599
4.8682				
19.0000	4.8763	4.8843	4.8922	4.8999
4.9075				
19.5000	4.9150	4.9223	4.9295	4.9366
4.9436				
20.0000	4.9504	4.9572	4.9639	4.9706
4.9772				
20.5000	4.9839	4.9905	4.9971	5.0036
5.0102				
21.0000	5.0167	5.0232	5.0296	5.0361
5.0425				
21.5000	5.0489	5.0552	5.0616	5.0679
5.0742				

CUMULATIVE RAINFALL DEPTHS (in)
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.0000	5.0804	5.0866	5.0928	5.0990	5.1052
22.5000	5.1113	5.1174	5.1235	5.1295	5.1355
23.0000	5.1415	5.1475	5.1534	5.1593	5.1652
23.5000	5.1711	5.1769	5.1827	5.1885	5.1943
24.0000	5.2000				

CUMULATIVE RAINFALL FRACTIONS
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
.0000	.000	.001	.002	.003 .004
.5000	.005	.006	.007	.008 .009
1.0000	.011	.012	.013	.014 .015
1.5000	.016	.017	.018	.020 .021
2.0000	.022	.023	.024	.026 .027
2.5000	.028	.029	.031	.032 .033
3.0000	.035	.036	.037	.038 .040
3.5000	.041	.042	.044	.045 .047
4.0000	.048	.049	.051	.052 .054
4.5000	.055	.057	.058	.060 .061
5.0000	.063	.065	.066	.068 .070
5.5000	.071	.073	.075	.076 .078
6.0000	.080	.082	.084	.085 .087
6.5000	.089	.091	.093	.095 .097
7.0000	.099	.101	.103	.105 .107
7.5000	.109	.111	.113	.116 .118
8.0000	.120	.122	.125	.127 .130
8.5000	.132	.135	.138	.141 .144
9.0000	.147	.150	.153	.157 .160
9.5000	.163	.166	.170	.173 .177
10.0000	.181	.185	.189	.194 .199

10.5000	.204	.209	.215	.221
.228				
11.0000	.235	.243	.251	.261
.271				
11.5000	.283	.307	.354	.431
.568				
12.0000	.663	.682	.699	.713
.725				
12.5000	.735	.743	.751	.759
.766				
13.0000	.772	.778	.784	.789
.794				
13.5000	.799	.804	.808	.812
.816				
14.0000	.820	.824	.827	.831
.834				
14.5000	.838	.841	.844	.847
.850				
15.0000	.854	.856	.859	.862
.865				
15.5000	.868	.870	.873	.875
.878				
16.0000	.880	.882	.885	.887
.889				
16.5000	.891	.893	.895	.898
.900				
17.0000	.902	.904	.906	.908
.910				
17.5000	.912	.914	.915	.917
.919				
18.0000	.921	.923	.925	.926
.928				
18.5000	.930	.931	.933	.935
.936				
19.0000	.938	.939	.941	.942
.944				
19.5000	.945	.947	.948	.949
.951				
20.0000	.952	.953	.955	.956
.957				
20.5000	.958	.960	.961	.962
.964				
21.0000	.965	.966	.967	.968
.970				
21.5000	.971	.972	.973	.975
.976				

S/N:
PondPack Ver: Compute Time: Date:

CUMULATIVE RAINFALL FRACTIONS
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.0000	.977	.978	.979	.981 .982
22.5000	.983	.984	.985	.986 .988
23.0000	.989	.990	.991	.992 .993
23.5000	.994	.996	.997	.998 .999
24.0000	1.000			

CUMULATIVE RAINFALL DEPTHS (in)
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
.0000	.0000	.0058	.0115	.0174 .0233
.5000	.0292	.0352	.0413	.0474 .0536
1.0000	.0599	.0662	.0725	.0789 .0854
1.5000	.0919	.0985	.1052	.1118 .1186
2.0000	.1254	.1323	.1392	.1462 .1532
2.5000	.1603	.1675	.1747	.1819 .1893
3.0000	.1967	.2041	.2116	.2192 .2267
3.5000	.2344	.2421	.2499	.2578 .2657
4.0000	.2736	.2816	.2898	.2981 .3064
4.5000	.3149	.3235	.3323	.3411 .3500
5.0000	.3591	.3683	.3776	.3870 .3965
5.5000	.4061	.4159	.4257	.4357 .4458
6.0000	.4560	.4663	.4767	.4873 .4980
6.5000	.5087	.5196	.5306	.5417 .5530
7.0000	.5643	.5758	.5873	.5990 .6108
7.5000	.6227	.6348	.6469	.6591 .6715
8.0000	.6840	.6968	.7102	.7242 .7387
8.5000	.7538	.7695	.7857	.8026 .8199
9.0000	.8379	.8561	.8744	.8926 .9109
9.5000	.9291	.9478	.9674	.9879 1.0094

10.0000	1.0317	1.0552	1.0800	1.1063
1.1338				
10.5000	1.1628	1.1936	1.2266	1.2620
1.2996				
11.0000	1.3395	1.3833	1.4325	1.4872
1.5474				
11.5000	1.6131	1.7490	2.0199	2.4555
3.2368				
12.0000	3.7791	3.8872	3.9822	4.0643
4.1334				
12.5000	4.1895	4.2376	4.2828	4.3249
4.3641				
13.0000	4.4004	4.4344	4.4667	4.4975
4.5267				
13.5000	4.5543	4.5805	4.6056	4.6295
4.6523				
14.0000	4.6740	4.6949	4.7154	4.7355
4.7552				
14.5000	4.7745	4.7934	4.8119	4.8300
4.8477				
15.0000	4.8650	4.8819	4.8984	4.9145
4.9302				
15.5000	4.9455	4.9604	4.9749	4.9890
5.0027				
16.0000	5.0160	5.0291	5.0419	5.0547
5.0673				
16.5000	5.0798	5.0921	5.1043	5.1163
5.1282				
17.0000	5.1400	5.1516	5.1631	5.1744
5.1856				
17.5000	5.1966	5.2075	5.2183	5.2289
5.2394				
18.0000	5.2497	5.2599	5.2699	5.2799
5.2896				
18.5000	5.2992	5.3087	5.3180	5.3272
5.3363				
19.0000	5.3452	5.3540	5.3626	5.3711
5.3794				
19.5000	5.3876	5.3956	5.4035	5.4113
5.4189				
20.0000	5.4264	5.4338	5.4412	5.4485
5.4558				
20.5000	5.4631	5.4703	5.4776	5.4848
5.4920				
21.0000	5.4991	5.5062	5.5133	5.5203
5.5273				
21.5000	5.5344	5.5413	5.5483	5.5552
5.5621				

CUMULATIVE RAINFALL DEPTHS (in)
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.0000	5.5689	5.5757	5.5825	5.5893	5.5960
22.5000	5.6028	5.6094	5.6161	5.6227	5.6293
23.0000	5.6359	5.6424	5.6489	5.6554	5.6619
23.5000	5.6683	5.6747	5.6811	5.6874	5.6937
24.0000	5.7000				

CUMULATIVE RAINFALL FRACTIONS
Output Time increment = .1000 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.000	.001	.002	.003 .004
.5000	.005	.006	.007	.008 .009
1.0000	.011	.012	.013	.014 .015
1.5000	.016	.017	.018	.020 .021
2.0000	.022	.023	.024	.026 .027
2.5000	.028	.029	.031	.032 .033
3.0000	.035	.036	.037	.038 .040
3.5000	.041	.042	.044	.045 .047
4.0000	.048	.049	.051	.052 .054
4.5000	.055	.057	.058	.060 .061
5.0000	.063	.065	.066	.068 .070
5.5000	.071	.073	.075	.076 .078
6.0000	.080	.082	.084	.085 .087
6.5000	.089	.091	.093	.095 .097
7.0000	.099	.101	.103	.105 .107
7.5000	.109	.111	.113	.116 .118
8.0000	.120	.122	.125	.127 .130
8.5000	.132	.135	.138	.141 .144
9.0000	.147	.150	.153	.157 .160
9.5000	.163	.166	.170	.173 .177
10.0000	.181	.185	.189	.194 .199

10.5000	.204	.209	.215	.221
.228				
11.0000	.235	.243	.251	.261
.271				
11.5000	.283	.307	.354	.431
.568				
12.0000	.663	.682	.699	.713
.725				
12.5000	.735	.743	.751	.759
.766				
13.0000	.772	.778	.784	.789
.794				
13.5000	.799	.804	.808	.812
.816				
14.0000	.820	.824	.827	.831
.834				
14.5000	.838	.841	.844	.847
.850				
15.0000	.854	.856	.859	.862
.865				
15.5000	.868	.870	.873	.875
.878				
16.0000	.880	.882	.885	.887
.889				
16.5000	.891	.893	.895	.898
.900				
17.0000	.902	.904	.906	.908
.910				
17.5000	.912	.914	.915	.917
.919				
18.0000	.921	.923	.925	.926
.928				
18.5000	.930	.931	.933	.935
.936				
19.0000	.938	.939	.941	.942
.944				
19.5000	.945	.947	.948	.949
.951				
20.0000	.952	.953	.955	.956
.957				
20.5000	.958	.960	.961	.962
.964				
21.0000	.965	.966	.967	.968
.970				
21.5000	.971	.972	.973	.975
.976				

S/N:
PondPack Ver: Compute Time: Date:

CUMULATIVE RAINFALL FRACTIONS
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.0000	.977	.978	.979	.981 .982
22.5000	.983	.984	.985	.986 .988
23.0000	.989	.990	.991	.992 .993
23.5000	.994	.996	.997	.998 .999
24.0000	1.000			

CUMULATIVE RAINFALL DEPTHS (in)
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
.0000	.0000	.0071	.0141	.0214 .0286
.5000	.0359	.0433	.0508	.0582 .0659
1.0000	.0735	.0813	.0890	.0969 .1049
1.5000	.1129	.1210	.1292	.1373 .1457
2.0000	.1540	.1625	.1709	.1796 .1882
2.5000	.1969	.2057	.2146	.2234 .2325
3.0000	.2415	.2507	.2598	.2692 .2785
3.5000	.2879	.2974	.3070	.3165 .3263
4.0000	.3360	.3459	.3559	.3660 .3763
4.5000	.3868	.3973	.4080	.4189 .4299
5.0000	.4410	.4523	.4637	.4752 .4869
5.5000	.4988	.5107	.5228	.5351 .5475
6.0000	.5600	.5727	.5855	.5984 .6115
6.5000	.6248	.6381	.6516	.6653 .6791
7.0000	.6930	.7071	.7213	.7356 .7501
7.5000	.7648	.7795	.7944	.8095 .8247
8.0000	.8400	.8558	.8722	.8894 .9072
8.5000	.9258	.9450	.9650	.9856 1.0070
9.0000	1.0290	1.0514	1.0738	1.0962 1.1186
9.5000	1.1410	1.1640	1.1880	1.2132 1.2396

10.0000	1.2670	1.2958	1.3264	1.3586
1.3924				
10.5000	1.4280	1.4658	1.5064	1.5498
1.5960				
11.0000	1.6450	1.6988	1.7592	1.8264
1.9004				
11.5000	1.9810	2.1479	2.4805	3.0155
3.9750				
12.0000	4.6410	4.7737	4.8905	4.9913
5.0761				
12.5000	5.1450	5.2041	5.2595	5.3113
5.3595				
13.0000	5.4040	5.4457	5.4855	5.5233
5.5591				
13.5000	5.5930	5.6252	5.6560	5.6854
5.7134				
14.0000	5.7400	5.7657	5.7908	5.8155
5.8397				
14.5000	5.8634	5.8866	5.9093	5.9315
5.9533				
15.0000	5.9745	5.9953	6.0155	6.0353
6.0546				
15.5000	6.0734	6.0917	6.1095	6.1268
6.1437				
16.0000	6.1600	6.1760	6.1919	6.2075
6.2230				
16.5000	6.2383	6.2535	6.2684	6.2832
6.2978				
17.0000	6.3123	6.3265	6.3406	6.3545
6.3683				
17.5000	6.3818	6.3952	6.4084	6.4215
6.4343				
18.0000	6.4470	6.4595	6.4719	6.4840
6.4960				
18.5000	6.5078	6.5195	6.5309	6.5422
6.5533				
19.0000	6.5643	6.5750	6.5856	6.5960
6.6063				
19.5000	6.6163	6.6262	6.6359	6.6455
6.6548				
20.0000	6.6640	6.6731	6.6821	6.6912
6.7001				
20.5000	6.7091	6.7180	6.7269	6.7357
6.7445				
21.0000	6.7533	6.7620	6.7707	6.7794
6.7880				
21.5000	6.7966	6.8051	6.8137	6.8221
6.8306				

S/N:
PondPack Ver: Compute Time: Date:

CUMULATIVE RAINFALL DEPTHS (in)
Output Time increment = .1000 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.0000	6.8390	6.8474	6.8557	6.8641	6.8723
22.5000	6.8806	6.8888	6.8970	6.9051	6.9132
23.0000	6.9213	6.9293	6.9373	6.9453	6.9532
23.5000	6.9611	6.9689	6.9768	6.9845	6.9923
24.0000	7.0000				

::
TIME OF CONCENTRATION CALCULATOR

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Segment #1: Tc: TR-55 Sheet

Mannings n	.2400	
Hydraulic Length	225.00	ft
2yr, 24hr P	3.5000	in
Slope	.036000	ft/ft
Avg.Velocity	.18	ft/sec

Segment #1 Time: .3439 hrs

Segment #2: Tc: TR-55 Channel

Flow Area	3.9760	sq.ft
Wetted Perimeter	7.07	ft
Hydraulic Radius	.56	ft
Slope	.023000	ft/ft
Mannings n	.0130	
Hydraulic Length	1600.00	ft
Avg.Velocity	11.84	ft/sec

Segment #2 Time: .0375 hrs

==========

Total Tc: .3814 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS Channel Flow ==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n	.1300	
Hydraulic Length	300.00	ft
2yr, 24hr P	3.5000	in
Slope	.030000	ft/ft
Avg.Velocity	.29	ft/sec

Segment #1 Time: .2851 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length	700.00	ft
Slope	.050000	ft/ft
Unpaved		
Avg.Velocity	3.61	ft/sec

Segment #2 Time: .0539 hrs

Segment #3: Tc: TR-55 Channel

Flow Area	45.0000	sq.ft
Wetted Perimeter	20.00	ft
Hydraulic Radius	2.25	ft
Slope	.010000	ft/ft
Mannings n	.0500	
Hydraulic Length	1700.00	ft

Avg.Velocity 5.12 ft/sec

Segment #3 Time: .0923 hrs

==========

Total Tc: .4313 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow ==========

Unpaved surface:
V = 16.1345 * (Sf**0.5)

Paved surface:
V = 20.3282 * (Sf**0.5)

Tc = (Lf / V) / (3600sec/hr)

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

==== SCS Channel Flow
==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n	.4000	
Hydraulic Length	280.00	ft
2yr, 24hr P	3.5000	in
Slope	.250000	ft/ft
Avg.Velocity	.27	ft/sec

Segment #1 Time: .2840 hrs

==========

Total Tc: .2840 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n .4000
Hydraulic Length 300.00 ft
2yr, 24hr P 3.5000 in
Slope .150000 ft/ft

Avg.Velocity .23 ft/sec

Segment #1 Time: .3681 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 450.00 ft
Slope .050000 ft/ft
Unpaved

Avg.Velocity 3.61 ft/sec

Segment #2 Time: .0346 hrs

==========

Total Tc: .4028 hrs

==========

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow ==========

Unpaved surface:
V = 16.1345 * (Sf**0.5)

Paved surface:
V = 20.3282 * (Sf**0.5)

Tc = (Lf / V) / (3600sec/hr)

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n .2400
Hydraulic Length 140.00 ft
2yr, 24hr P 3.5000 in
Slope .075000 ft/ft

Avg.Velocity .22 ft/sec

Segment #1 Time: .1754 hrs

Segment #2: Tc: TR-55 Sheet

Mannings n .4000
Hydraulic Length 80.00 ft
2yr, 24hr P 3.5000 in
Slope .225000 ft/ft

Avg.Velocity .20 ft/sec

Segment #2 Time: .1087 hrs

Segment #3: Tc: TR-55 Shallow

Hydraulic Length 275.00 ft
Slope .100000 ft/ft
Unpaved

Avg.Velocity 5.10 ft/sec

Segment #3 Time: .0150 hrs

S/N:
PondPack Ver: Compute Time: Date:

Segment #4: Tc: TR-55 Channel

Flow Area	25.0000	sq.ft
Wetted Perimeter	15.00	ft
Hydraulic Radius	1.67	ft
Slope	.072000	ft/ft
Mannings n	.0450	
Hydraulic Length	390.00	ft

Avg.Velocity 12.49 ft/sec

Segment #4 Time: .0087 hrs

==========

Total Tc: .3078 hrs

==========

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow ==========

Unpaved surface:
V = 16.1345 * (Sf**0.5)

Paved surface:
V = 20.3282 * (Sf**0.5)

Tc = (Lf / V) / (3600sec/hr)

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

==== SCS Channel Flow
==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n	.2400	
Hydraulic Length	250.00	ft
2yr, 24hr P	3.5000	in
Slope	.028000	ft/ft
Avg.Velocity	.17	ft/sec

Segment #1 Time: .4137 hrs

Segment #2: Tc: TR-55 Channel

Flow Area	7.0690	sq.ft
Wetted Perimeter	9.43	ft
Hydraulic Radius	.75	ft
Slope	.026000	ft/ft
Mannings n	.0130	
Hydraulic Length	2235.00	ft
Avg.Velocity	15.26	ft/sec

Segment #2 Time: .0407 hrs

==========

Total Tc: .4544 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS Channel Flow ==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n	.2400	
Hydraulic Length	270.00	ft
2yr, 24hr P	3.5000	in
Slope	.039000	ft/ft
Avg.Velocity	.19	ft/sec

Segment #1 Time: .3854 hrs

Segment #2: Tc: TR-55 Channel

Flow Area	3.1410	sq.ft
Wetted Perimeter	6.28	ft
Hydraulic Radius	.50	ft
Slope	.031400	ft/ft
Mannings n	.0130	
Hydraulic Length	1465.00	ft
Avg.Velocity	12.79	ft/sec

Segment #2 Time: .0318 hrs

==========

Total Tc: .4172 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS Channel Flow ==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n	.2400	
Hydraulic Length	100.00	ft
2yr, 24hr P	3.5000	in
Slope	.050000	ft/ft
Avg.Velocity	.18	ft/sec

Segment #1 Time: .1576 hrs

Segment #2: Tc: TR-55 Sheet

Mannings n	.4000	
Hydraulic Length	200.00	ft
2yr, 24hr P	3.5000	in
Slope	.170000	ft/ft
Avg.Velocity	.22	ft/sec

Segment #2 Time: .2531 hrs

Segment #3: Tc: TR-55 Channel

Flow Area	30.0000	sq.ft
Wetted Perimeter	25.00	ft
Hydraulic Radius	1.20	ft
Slope	.100000	ft/ft
Mannings n	.0450	
Hydraulic Length	730.00	ft

Avg.Velocity 11.82 ft/sec

Segment #3 Time: .0171 hrs

==========

Total Tc: .4279 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS Channel Flow ==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n	.1300	
Hydraulic Length	300.00	ft
2yr, 24hr P	3.5000	in
Slope	.040000	ft/ft
Avg.Velocity	.33	ft/sec

Segment #1 Time: .2542 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length	585.00	ft
Slope	.051000	ft/ft
Unpaved		
Avg.Velocity	3.64	ft/sec

Segment #2 Time: .0446 hrs

Segment #3: Tc: TR-55 Channel

Flow Area	25.0000	sq.ft
Wetted Perimeter	20.00	ft
Hydraulic Radius	1.25	ft
Slope	.025000	ft/ft
Mannings n	.0450	
Hydraulic Length	785.00	ft

Avg.Velocity 6.08 ft/sec

Segment #3 Time: .0359 hrs

S/N:
PondPack Ver: Compute Time: Date:

Segment #4: Tc: TR-55 Channel

Flow Area	12.5660	sq.ft
Wetted Perimeter	12.57	ft
Hydraulic Radius	1.00	ft
Slope	.013000	ft/ft
Mannings n	.0130	
Hydraulic Length	130.00	ft

Avg.Velocity 13.07 ft/sec

Segment #4 Time: .0028 hrs

==========

Total Tc: .3374 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow ==========

Unpaved surface:
V = 16.1345 * (Sf**0.5)

Paved surface:
V = 20.3282 * (Sf**0.5)

Tc = (Lf / V) / (3600sec/hr)

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

==== SCS Channel Flow
==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n	.1900	
Hydraulic Length	300.00	ft
2yr, 24hr P	3.5000	in
Slope	.020000	ft/ft
Avg.Velocity	.18	ft/sec

Segment #1 Time: .4543 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length	350.00	ft
Slope	.020000	ft/ft
Unpaved		
Avg.Velocity	2.28	ft/sec

Segment #2 Time: .0426 hrs

Segment #3: Tc: TR-55 Channel

Flow Area	9.6210	sq.ft
Wetted Perimeter	11.00	ft
Hydraulic Radius	.87	ft
Slope	.012000	ft/ft
Mannings n	.0130	
Hydraulic Length	2370.00	ft

Avg.Velocity 11.48 ft/sec

Segment #3 Time: .0573 hrs

==========

Total Tc: .5542 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow ==========

Unpaved surface:
V = 16.1345 * (Sf**0.5)

Paved surface:
V = 20.3282 * (Sf**0.5)

Tc = (Lf / V) / (3600sec/hr)

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

==== SCS Channel Flow
==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n	.2400	
Hydraulic Length	210.00	ft
2yr, 24hr P	3.5000	in
Slope	.020000	ft/ft
Avg.Velocity	.14	ft/sec

Segment #1 Time: .4117 hrs

Segment #2: Tc: TR-55 Channel

Flow Area	9.6210	sq.ft
Wetted Perimeter	11.00	ft
Hydraulic Radius	.87	ft
Slope	.012000	ft/ft
Mannings n	.0130	
Hydraulic Length	2910.00	ft
Avg.Velocity	11.48	ft/sec

Segment #2 Time: .0704 hrs

==========

Total Tc: .4821 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS Channel Flow ==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

::
TIME OF CONCENTRATION CALCULATOR

::

Segment #1: Tc: TR-55 Sheet

Mannings n .2400
Hydraulic Length 300.00 ft
2yr, 24hr P 3.5000 in
Slope .020000 ft/ft

Avg.Velocity .15 ft/sec

Segment #1 Time: .5477 hrs

Segment #2: Tc: TR-55 Shallow

Hydraulic Length 500.00 ft
Slope .055000 ft/ft
Unpaved

Avg.Velocity 3.78 ft/sec

Segment #2 Time: .0367 hrs

Segment #3: Tc: TR-55 Channel

Flow Area 700.0000 sq.ft
Wetted Perimeter 300.00 ft
Hydraulic Radius 2.33 ft
Slope .007000 ft/ft
Mannings n .0500
Hydraulic Length 10100.00 ft

Avg.Velocity 4.39 ft/sec

Segment #3 Time: .6396 hrs

==========

Total Tc: 1.2240 hrs

==========

S/N:
PondPack Ver: Compute Time: Date:

Tc Equations used...

==== SCS TR-55 Sheet Flow ==========

Tc = (.007 * ((n * Lf)**0.8)) / ((P**.5) * (Sf**.4))

Where: Tc = Time of concentration, hrs
n = Mannings n
Lf = Flow length, ft
P = 2yr, 24hr Rain depth, inches
Sf = Slope, %

==== SCS TR-55 Shallow Concentrated Flow ==========

Unpaved surface:
V = 16.1345 * (Sf**0.5)

Paved surface:
V = 20.3282 * (Sf**0.5)

Tc = (Lf / V) / (3600sec/hr)

Where: V = Velocity, ft/sec
Sf = Slope, ft/ft
Tc = Time of concentration, hrs
Lf = Flow length, ft

==== SCS Channel Flow
==========

R = Aq / Wp
V = (1.49 * (R**(2/3)) * (Sf**-0.5)) / n

Tc = (Lf / V) / (3600sec/hr)

Where: R = Hydraulic radius
Aq = Flow area, sq.ft.
Wp = Wetted perimeter, ft
V = Velocity, ft/sec
Sf = Slope, ft/ft
n = Mannings n
Tc = Time of concentration, hrs
Lf = Flow length, ft

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	Impervious Adjustment %UC	Adjusted CN
1/4 acre lots soil group B	75	11.800			75.00
1/4 acre lots soil group C	83	.800			83.00
1/4 acre lots soil group D	87	11.200			87.00
COMPOSITE AREA & WEIGHTED CN --->		23.800			80.92 (81)

::

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::
:

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	%UC	Adjusted CN
3 acre lots soil group B	65	31.700			65.00
3 acre lots soil group C	77	18.800			77.00
3 acre lots soil group D	82	29.900			82.00
COMPOSITE AREA & WEIGHTED CN --->		80.400			74.13 (74)

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::

S/N:
PondPack Ver: Compute Time: Date:

Name.... BASIN3B

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	Impervious Adjustment %UC	Adjusted CN
3 acre lots soil group B	65	.800			65.00
3 acre lots soil group C	77	.600			77.00

COMPOSITE AREA & WEIGHTED CN ---> 1.400 70.14 (70)

::

Name.... BASIN4

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	Impervious Adjustment %UC	Adjusted CN
3 acre lots soil group B	65	4.500			65.00
3 acre lots soil group C	77	2.600			77.00
3 acre lots soil group D	82	3.100			82.00

COMPOSITE AREA & WEIGHTED CN ---> 10.200 73.23 (73)

:::

S/N:
PondPack Ver: Compute Time: Date:

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	Impervious Adjustment %UC	Adjusted CN
1/4 acre lots soil group B	75	5.800			75.00
1/4 acre lots soil group C	83	6.600			83.00
Woods soil group B	55	6.100			55.00
Woods soil group C	70	.800			70.00

COMPOSITE AREA & WEIGHTED CN ---> 19.300 71.21 (71)

:::

Name.... BYPASS1

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	Impervious Adjustment %UC	Adjusted CN
1/8 acre lots soil group B	85	10.300			85.00
1/8 acre lots soil group C	90	27.200			90.00
1/8 acre lots soil group D	92	23.300			92.00

COMPOSITE AREA & WEIGHTED CN ---> 60.800 89.92 (90)

:::

S/N:
PondPack Ver: Compute Time: Date:

Name.... BYPASS2

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::
:

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	%UC	Adjusted CN
1/4 acre lots soil group B	75	77.800			75.00
1/4 acre lots soil group C	83	46.800			83.00
1/4 acre lots soil group D	87	3.500			87.00
COMPOSITE AREA & WEIGHTED CN --->		128.100			78.25 (78)

::
::

S/N:
PondPack Ver: Compute Time: Date:

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

:::

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	Impervious Adjustment %UC	Adjusted CN
1/4 acre lots soil group B	75	8.200			75.00
1/4 acre lots soil group C	83	1.600			83.00
Woods soil group B	55	33.300			55.00
Woods soil group C	70	27.800			70.00

COMPOSITE AREA & WEIGHTED CN ---> 70.900 63.83 (64)

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Type.... Runoff CN-Area Page 6.09
Name.... OFFSITE1

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

:::

			Impervious Adjustment		Adjusted
Soil/Surface Description	CN	Area acres	%C	%UC	CN
3 Acre lots soil group D	82	12.100			82.00
Open Space soil group B	61	1.500			61.00
Pavement and Buildings	98	15.900			98.00

COMPOSITE AREA & WEIGHTED CN ---> 29.500 89.56 (90)

:::

S/N:
PondPack Ver: Compute Time: Date:

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::
:

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	%UC	Adjusted CN
1/4 acre lots soil group C	83	3.100			83.00
1/4 acre lots soil group D	87	25.900			87.00
COMPOSITE AREA & WEIGHTED CN --->		29.000			86.57 (87)

::
::

S/N:
PondPack Ver: Compute Time: Date:

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	%UC	Adjusted CN
1/8 acre lots soil group B	85	14.200			85.00
1/8 acre lots soil group C	90	9.300			90.00
1/8 acre lots soil group D	92	47.700			92.00

COMPOSITE AREA & WEIGHTED CN ---> 71.200 90.34 (90)

::

Name.... SUBAREA1

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RUNOFF CURVE NUMBER DATA

::

Soil/Surface Description	CN	Area acres	Impervious Adjustment %C	%UC	Adjusted CN
3 acre lots soil group B	65	33.100			65.00
3 acre lots soil group C	77	145.300			77.00
3 acre lots soil group D	82	102.600			82.00
Woods and Pasture soil group C	74	364.300			74.00
Woods and Pasture soil group D	80	62.700			80.00

COMPOSITE AREA & WEIGHTED CN ---> 708.000 75.89 (76)

:::

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD
(Computational Notes)

DEFINITION OF TERMS: ----------

At = Total area (acres): At = Ai+Ap
Ai = Impervious area (acres)
Ap = Pervious area (acres)
CNi = Runoff curve number for impervious area
CNp = Runoff curve number for pervious area
fLoss = f loss constant infiltration (depth/time)
gKs = Saturated Hydraulic Conductivity (depth/time)
Md = Volumetric Moisture Deficit
Psi = Capillary Suction (length)
hK = Horton Infiltration Decay Rate (time^-1)
fo = Initial Infiltration Rate (depth/time)
fc = Ultimate(capacity)Infiltration Rate (depth/time)
Ia = Initial Abstraction (length)
dt = Computational increment (duration of unit excess rainfall)
Default dt is smallest value of 0.1333Tc, rtm, and th
(Smallest dt is then adjusted to match up with Tp)
UDdt = User specified override computational main time increment
(only used if UDdt is => .1333Tc)
D(t) = Point on distribution curve (fraction of P) for time step t

K = 2 / (1 + (Tr/Tp)): default K = 0.75: (for Tr/Tp = 1.67)
Ks = Hydrograph shape factor
= Unit Conversions * K:
= ((1hr/3600sec) * (1ft/12in) * ((5280ft)**2/sq.mi)) * K
Default Ks = 645.333 * 0.75 = 484

Lag = Lag time from center of excess runoff (dt) to Tp: Lag = 0.6Tc
P = Total precipitation depth, inches
Pa(t) = Accumulated rainfall at time step t
Pi(t) = Incremental rainfall at time step t
qp = Peak discharge (cfs) for 1in. runoff, for 1hr, for 1 sq.mi.
= (Ks * A * Q) / Tp (where Q = 1in. runoff, A=sq.mi.)
Qu(t) = Unit hydrograph ordinate (cfs) at time step t
Q(t) = Final hydrograph ordinate (cfs) at time step t
Rai(t)= Accumulated runoff (inches) at time step t for impervious area
Rap(t)= Accumulated runoff (inches) at time step t for pervious area

Rii(t)= Incremental runoff (inches) at time step t for impervious area
Rip(t)= Incremental runoff (inches) at time step t for pervious area
R(t) = Incremental weighted total runoff (inches)
Rtm = Time increment for rainfall table
Si = S for impervious area: Si = (1000/CNi) - 10
Sp = S for pervious area: Sp = (1000/CNp) - 10
t = Time step (row) number
Tc = Time of concentration
Tb = Time (hrs) of entire unit hydrograph: Tb = Tp + Tr
Tp = Time (hrs) to peak of a unit hydrograph: Tp = (dt/2) + Lag
Tr = Time (hrs) of receding limb of unit hydrograph: Tr = ratio of Tp

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD
(Computational Notes)

PRECIPITATION: ----------

Column (1): Time for time step t
Column (2): D(t) = Point on distribution curve for time step t
Column (3): Pi(t) = Pa(t) - Pa(t-1): Col.(4) - Preceding Col.(4)
Column (4): Pa(t) = D(t) x P: Col.(2) x P

PERVIOUS AREA RUNOFF (using SCS Runoff CN Method) ----------

Column (5): Rap(t) = Accumulated pervious runoff for time step t
If (Pa(t) is <= 0.2Sp) then use: Rap(t) = 0.0
If (Pa(t) is > 0.2Sp) then use:

Rap(t) = (Col.(4)-0.2Sp)**2 / (Col.(4)+0.8Sp)

Column (6): Rip(t) = Incremental pervious runoff for time step t
Rip(t) = Rap(t) - Rap(t-1)
Rip(t) = Col.(5) for current row - Col.(5) for preceding row.

IMPERVIOUS AREA RUNOFF ----------

Column (7 & 8)... Did not specify to use impervious areas.

INCREMENTAL WEIGHTED RUNOFF: ----------

Column (9): R(t) = (Ap/At) x Rip(t) + (Ai/At) x Rii(t)
R(t) = (Ap/At) x Col.(6) + (Ai/At) x Col.(8)

SCS UNIT HYDROGRAPH METHOD: ----------

Column (10): Q(t) is computed with the SCS unit hydrograph method using R() and Qu().

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN2 15
Tc = .3814 hrs
Drainage Area = 23.800 acres Runoff CN= 81

==========
Computational Time Increment = .05086 hrs
Computed Peak Time = 12.1045 hrs
Computed Peak Flow = 75.38 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1000 hrs
Peak Flow, Interpolated Output = 75.00 cfs
==========

DRAINAGE AREA

ID:BASIN2
CN = 81
Area = 23.800 acres
S = 2.3457 in
0.2S = .4691 in

Cumulative Runoff

3.1627 in
273239 cu.ft

HYG Volume... 273261 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .38145 hrs (ID: BASIN2)
Computational Incr, Tm = .05086 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 70.70 cfs
Unit peak time Tp = .25430 hrs
Unit receding limb, Tr = 1.01719 hrs
Total unit time, Tb = 1.27148 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN2 15
Tc = .3814 hrs
Drainage Area = 23.800 acres Runoff CN= 81
Calc.Increment= .05086 hrs Out.Incr.= .0500 hrs
HYG Volume = 273261 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
6.6500	.00	.00	.00	.01
6.9000	.02	.03	.04	.04
7.1500	.06	.07	.08	.09
7.4000	.12	.13	.14	.15
7.6500	.17	.18	.20	.21
7.9000	.23	.24	.26	.27
8.1500	.29	.31	.32	.34
8.4000	.37	.39	.41	.43
8.6500	.48	.50	.53	.55
8.9000	.61	.63	.66	.69
9.1500	.75	.78	.80	.83
9.4000	.87	.89	.92	.94

.58
.72
.85
.96

9.6500	.98	1.00	1.03	1.07
1.10				
9.9000	1.14	1.19	1.23	1.28
1.33				
10.1500	1.38	1.44	1.50	1.56
1.63				
10.4000	1.70	1.77	1.85	1.93
2.01				
10.6500	2.10	2.20	2.30	2.41
2.53				
10.9000	2.65	2.79	2.92	3.07
3.23				
11.1500	3.40	3.59	3.81	4.06
4.34				
11.4000	4.64	4.96	5.31	5.79
6.53				
11.6500	7.89	10.10	13.63	18.62
25.82				
11.9000	35.61	47.80	60.60	70.42
75.00				
12.1500	73.29	66.28	56.74	47.15
38.73				
12.4000	32.18	27.21	23.34	20.19
17.64				
12.6500	15.55	13.84	12.46	11.35
10.45				
12.9000	9.73	9.12	8.60	8.14
7.74				
13.1500	7.39	7.09	6.84	6.62
6.42				
13.4000	6.23	6.06	5.90	5.74
5.59				
13.6500	5.44	5.30	5.17	5.04
4.92				
13.9000	4.81	4.70	4.59	4.48
4.38				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
14.1500	4.28	4.19	4.11	4.04	3.98
14.4000	3.92	3.87	3.83	3.79	3.75
14.6500	3.71	3.67	3.63	3.59	3.56
14.9000	3.52	3.48	3.45	3.41	3.37
15.1500	3.34	3.30	3.26	3.23	3.19
15.4000	3.16	3.12	3.08	3.05	3.01
15.6500	2.97	2.94	2.90	2.86	2.83
15.9000	2.79	2.75	2.72	2.68	2.64
16.1500	2.61	2.58	2.55	2.52	2.50
16.4000	2.48	2.47	2.45	2.43	2.42
16.6500	2.40	2.39	2.38	2.36	2.35
16.9000	2.34	2.32	2.31	2.30	2.28
17.1500	2.27	2.26	2.25	2.23	2.22
17.4000	2.21	2.19	2.18	2.17	2.15
17.6500	2.14	2.13	2.11	2.10	2.09
17.9000	2.07	2.06	2.05	2.03	2.02
18.1500	2.01	2.00	1.98	1.97	1.96
18.4000	1.94	1.93	1.92	1.90	1.89
18.6500	1.88	1.86	1.85	1.84	1.82
18.9000	1.81	1.80	1.78	1.77	1.76

19.1500	1.74	1.73	1.71	1.70	1.69
19.4000	1.67	1.66	1.65	1.63	1.62
19.6500	1.61	1.59	1.58	1.57	1.55
19.9000	1.54	1.53	1.51	1.50	1.49
20.1500	1.47	1.46	1.45	1.45	1.44
20.4000	1.43	1.43	1.42	1.42	1.42
20.6500	1.41	1.41	1.41	1.41	1.40
20.9000	1.40	1.40	1.40	1.39	1.39
21.1500	1.39	1.38	1.38	1.38	1.38
21.4000	1.37	1.37	1.37	1.37	1.36
21.6500	1.36	1.36	1.36	1.35	1.35
21.9000	1.35	1.35	1.34	1.34	1.34
22.1500	1.34	1.33	1.33	1.33	1.32
22.4000	1.32	1.32	1.32	1.31	1.31
22.6500	1.31	1.31	1.30	1.30	1.30
22.9000	1.30	1.29	1.29	1.29	1.29
23.1500	1.28	1.28	1.28	1.27	1.27
23.4000	1.27	1.27	1.26	1.26	1.26
23.6500	1.26	1.25	1.25	1.25	1.25
23.9000	1.24	1.24	1.24	1.21	1.15
24.1500	1.04	.87	.69	.52	.38
24.4000	.27	.20	.14	.10	.08
24.6500	.05	.04	.03	.02	.01
24.9000	.01	.01	.00	.00	.00
25.1500	.00				

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN2 25
Tc = .3814 hrs
Drainage Area = 23.800 acres Runoff CN= 81

==========
Computational Time Increment = .05086 hrs
Computed Peak Time = 12.1045 hrs
Computed Peak Flow = 85.94 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1000 hrs
Peak Flow, Interpolated Output = 85.53 cfs
==========

DRAINAGE AREA

ID:BASIN2
CN = 81
Area = 23.800 acres
S = 2.3457 in
0.2S = .4691 in

Cumulative Runoff

3.6114 in
312003 cu.ft

HYG Volume... 312030 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .38145 hrs (ID: BASIN2)
Computational Incr, Tm = .05086 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 70.70 cfs
Unit peak time Tp = .25430 hrs
Unit receding limb, Tr = 1.01719 hrs
Total unit time, Tb = 1.27148 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN2 25
Tc = .3814 hrs
Drainage Area = 23.800 acres Runoff CN= 81
Calc.Increment= .05086 hrs Out.Incr.= .0500 hrs
HYG Volume = 312030 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
6.2500	.00	.00	.01	.01 .02
6.5000	.02	.03	.04	.05 .06
6.7500	.08	.09	.10	.11 .12
7.0000	.13	.15	.16	.17 .18
7.2500	.20	.21	.22	.23 .25
7.5000	.26	.27	.29	.30 .31
7.7500	.33	.34	.36	.37 .38
8.0000	.40	.41	.43	.44 .46
8.2500	.48	.50	.52	.54 .56
8.5000	.59	.62	.64	.67 .70
8.7500	.73	.76	.79	.82 .86
9.0000	.89	.92	.96	.99 1.03

9.2500	1.06	1.09	1.11	1.14
1.16				
9.5000	1.19	1.21	1.23	1.26
1.29				
9.7500	1.32	1.36	1.40	1.45
1.50				
10.0000	1.55	1.61	1.67	1.73
1.80				
10.2500	1.87	1.94	2.02	2.11
2.19				
10.5000	2.29	2.38	2.48	2.58
2.70				
10.7500	2.82	2.95	3.09	3.23
3.39				
11.0000	3.55	3.72	3.90	4.10
4.33				
11.2500	4.59	4.87	5.20	5.54
5.92				
11.5000	6.33	6.88	7.74	9.33
11.91				
11.7500	16.01	21.77	30.05	41.23
55.07				
12.0000	69.52	80.52	85.53	83.41
75.31				
12.2500	64.39	53.46	43.87	36.41
30.76				
12.5000	26.36	22.78	19.88	17.51
15.58				
12.7500	14.01	12.76	11.75	10.92
10.24				
13.0000	9.65	9.14	8.68	8.29
7.95				
13.2500	7.67	7.42	7.19	6.98
6.79				
13.5000	6.61	6.43	6.26	6.09
5.94				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
13.7500	5.79	5.65	5.51	5.38	5.26
14.0000	5.14	5.02	4.90	4.79	4.69
14.2500	4.60	4.52	4.45	4.39	4.33
14.5000	4.28	4.24	4.19	4.15	4.10
14.7500	4.06	4.02	3.98	3.94	3.89
15.0000	3.85	3.81	3.77	3.73	3.69
15.2500	3.65	3.61	3.57	3.53	3.49
15.5000	3.44	3.40	3.36	3.32	3.28
15.7500	3.24	3.20	3.16	3.12	3.07
16.0000	3.03	2.99	2.95	2.91	2.88
16.2500	2.85	2.82	2.79	2.77	2.75
16.5000	2.73	2.72	2.70	2.68	2.67
16.7500	2.65	2.64	2.62	2.61	2.59
17.0000	2.58	2.56	2.55	2.54	2.52
17.2500	2.51	2.49	2.48	2.46	2.45
17.5000	2.43	2.42	2.40	2.39	2.37
17.7500	2.36	2.34	2.33	2.31	2.30
18.0000	2.29	2.27	2.26	2.24	2.23
18.2500	2.21	2.20	2.18	2.17	2.15
18.5000	2.14	2.12	2.11	2.09	2.08

18.7500	2.06	2.05	2.03	2.02	2.00
19.0000	1.99	1.97	1.96	1.94	1.93
19.2500	1.91	1.90	1.88	1.87	1.85
19.5000	1.84	1.82	1.81	1.79	1.78
19.7500	1.76	1.75	1.73	1.72	1.70
20.0000	1.69	1.67	1.66	1.64	1.63
20.2500	1.62	1.61	1.60	1.60	1.59
20.5000	1.59	1.58	1.58	1.58	1.57
20.7500	1.57	1.57	1.56	1.56	1.56
21.0000	1.55	1.55	1.55	1.55	1.54
21.2500	1.54	1.54	1.53	1.53	1.53
21.5000	1.53	1.52	1.52	1.52	1.51
21.7500	1.51	1.51	1.51	1.50	1.50
22.0000	1.50	1.49	1.49	1.49	1.48
22.2500	1.48	1.48	1.48	1.47	1.47
22.5000	1.47	1.46	1.46	1.46	1.46
22.7500	1.45	1.45	1.45	1.44	1.44
23.0000	1.44	1.43	1.43	1.43	1.43
23.2500	1.42	1.42	1.42	1.41	1.41
23.5000	1.41	1.41	1.40	1.40	1.40
23.7500	1.39	1.39	1.39	1.38	1.38
24.0000	1.38	1.35	1.28	1.15	.97
24.2500	.77	.58	.43	.31	.22
24.5000	.16	.12	.08	.06	.04
24.7500	.03	.02	.02	.01	.01

Name.... BASIN2 Tag: 25 Event: 25 yr
File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW
Storm... TypeII 24hr Tag: 25

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

25.0000	.00	.00	.00	.00

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN2 100
Tc = .3814 hrs
Drainage Area = 23.800 acres Runoff CN= 81

==========
Computational Time Increment = .05086 hrs
Computed Peak Time = 12.1045 hrs
Computed Peak Flow = 113.64 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1000 hrs
Peak Flow, Interpolated Output = 113.14 cfs
==========

DRAINAGE AREA

ID:BASIN2
CN = 81
Area = 23.800 acres
S = 2.3457 in
0.2S = .4691 in

Cumulative Runoff

4.8050 in
415127 cu.ft

HYG Volume... 415166 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .38145 hrs (ID: BASIN2)
Computational Incr, Tm = .05086 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 70.70 cfs
Unit peak time Tp = .25430 hrs
Unit receding limb, Tr = 1.01719 hrs
Total unit time, Tb = 1.27148 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN2 100
Tc = .3814 hrs
Drainage Area = 23.800 acres Runoff CN= 81
Calc.Increment= .05086 hrs Out.Incr.= .0500 hrs
HYG Volume = 415166 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
5.3500	.00	.00	.01	.01
5.6000	.03	.04	.05	.06
5.8500	.09	.10	.12	.13
6.1000	.16	.17	.19	.21
6.3500	.24	.25	.27	.29
6.6000	.32	.33	.35	.37
6.8500	.40	.42	.44	.45
7.1000	.49	.51	.52	.54
7.3500	.58	.60	.61	.63
7.6000	.67	.69	.71	.73
7.8500	.76	.78	.80	.82
8.1000	.86	.88	.91	.93
.84				
.74				
.65				
.56				
.47				
.38				
.30				
.22				
.14				
.07				
.02				
.96				

8.3500	1.00	1.03	1.07	1.10	1.14
8.6000	1.18	1.23	1.27	1.32	1.36
8.8500	1.41	1.46	1.50	1.55	1.61
9.1000	1.66	1.70	1.75	1.79	1.83
9.3500	1.87	1.90	1.94	1.97	1.99
9.6000	2.02	2.06	2.10	2.14	2.20
9.8500	2.26	2.32	2.40	2.47	2.55
10.1000	2.63	2.72	2.82	2.92	3.03
10.3500	3.14	3.26	3.38	3.51	3.64
10.6000	3.78	3.93	4.08	4.25	4.43
10.8500	4.63	4.83	5.05	5.27	5.51
11.1000	5.76	6.04	6.35	6.70	7.10
11.3500	7.55	8.03	8.54	9.10	9.86
11.6000	11.05	13.24	16.78	22.39	30.21
11.8500	41.33	56.16	74.30	93.04	107.06
12.1000	113.14	109.91	98.94	84.40	69.92
12.3500	57.27	47.45	40.01	34.23	29.53
12.6000	25.73	22.63	20.10	18.06	16.42

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
12.8500	15.11	14.04	13.15	12.38	11.71
13.1000	11.12	10.61	10.18	9.81	9.49
13.3500	9.20	8.93	8.68	8.44	8.22
13.6000	8.00	7.79	7.59	7.39	7.21
13.8500	7.04	6.87	6.71	6.55	6.40
14.1000	6.25	6.11	5.98	5.87	5.77
14.3500	5.68	5.60	5.53	5.46	5.40
14.6000	5.34	5.28	5.23	5.17	5.12
14.8500	5.06	5.01	4.96	4.91	4.85
15.1000	4.80	4.75	4.70	4.64	4.59
15.3500	4.54	4.49	4.43	4.38	4.33
15.6000	4.28	4.22	4.17	4.12	4.07
15.8500	4.01	3.96	3.91	3.86	3.80
16.1000	3.75	3.70	3.66	3.62	3.58
16.3500	3.55	3.52	3.50	3.47	3.45
16.6000	3.43	3.41	3.39	3.37	3.35
16.8500	3.33	3.31	3.29	3.27	3.26
17.1000	3.24	3.22	3.20	3.18	3.16
17.3500	3.14	3.12	3.11	3.09	3.07
17.6000	3.05	3.03	3.01	2.99	2.97

17.8500	2.96	2.94	2.92	2.90	2.88
18.1000	2.86	2.84	2.82	2.80	2.78
18.3500	2.77	2.75	2.73	2.71	2.69
18.6000	2.67	2.65	2.63	2.61	2.59
18.8500	2.58	2.56	2.54	2.52	2.50
19.1000	2.48	2.46	2.44	2.42	2.40
19.3500	2.38	2.37	2.35	2.33	2.31
19.6000	2.29	2.27	2.25	2.23	2.21
19.8500	2.19	2.17	2.15	2.14	2.12
20.1000	2.10	2.08	2.07	2.05	2.04
20.3500	2.03	2.02	2.02	2.01	2.00
20.6000	2.00	2.00	1.99	1.99	1.98
20.8500	1.98	1.97	1.97	1.97	1.96
21.1000	1.96	1.96	1.95	1.95	1.94
21.3500	1.94	1.94	1.93	1.93	1.93
21.6000	1.92	1.92	1.91	1.91	1.91
21.8500	1.90	1.90	1.90	1.89	1.89
22.1000	1.89	1.88	1.88	1.87	1.87
22.3500	1.87	1.86	1.86	1.85	1.85
22.6000	1.85	1.84	1.84	1.84	1.83
22.8500	1.83	1.82	1.82	1.82	1.81
23.1000	1.81	1.81	1.80	1.80	1.79
23.3500	1.79	1.79	1.78	1.78	1.78
23.6000	1.77	1.77	1.76	1.76	1.76
23.8500	1.75	1.75	1.75	1.74	1.71

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
24.1000	1.62	1.46	1.23	.98	.74
24.3500	.54	.39	.28	.20	.15
24.6000	.11	.08	.05	.04	.03
24.8500	.02	.01	.01	.01	.00
25.1000	.00	.00			

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3A 15
Tc = .4313 hrs
Drainage Area = 80.400 acres Runoff CN= 74

==========
Computational Time Increment = .05751 hrs
Computed Peak Time = 12.1347 hrs
Computed Peak Flow = 187.21 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 185.97 cfs
==========

DRAINAGE AREA

ID:BASIN3A
CN = 74
Area = 80.400 acres
S = 3.5135 in
0.2S = .7027 in

Cumulative Runoff

2.5248 in
736868 cu.ft

HYG Volume... 736750 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .43133 hrs (ID: BASIN3A)
Computational Incr, Tm = .05751 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 211.20 cfs
Unit peak time Tp = .28755 hrs
Unit receding limb, Tr = 1.15021 hrs
Total unit time, Tb = 1.43776 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3A 15
Tc = .4313 hrs
Drainage Area = 80.400 acres Runoff CN= 74
Calc.Increment= .05751 hrs Out.Incr.= .0500 hrs
HYG Volume = 736750 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

8.6500	.00	.00	.01	.01	.03
8.9000	.05	.08	.12	.16	.20
9.1500	.25	.31	.36	.42	.48
9.4000	.53	.59	.65	.71	.77
9.6500	.83	.89	.96	1.03	1.11
9.9000	1.19	1.27	1.37	1.46	1.56
10.1500	1.67	1.78	1.90	2.03	2.17
10.4000	2.31	2.46	2.62	2.79	2.97
10.6500	3.16	3.36	3.58	3.82	4.07
10.9000	4.34	4.63	4.93	5.25	5.60
11.1500	5.98	6.40	6.88	7.42	8.02
11.4000	8.68	9.40	10.18	11.24	12.86

11.6500	15.62	20.18	27.21	37.63	52.80
11.9000	74.67	102.87	133.65	160.91	179.40
12.1500	185.97	180.05	164.08	142.86	121.94
12.4000	103.34	88.01	75.79	65.92	57.75
12.6500	50.92	45.36	40.74	36.92	33.78
12.9000	31.19	29.04	27.24	25.71	24.37
13.1500	23.17	22.09	21.12	20.27	19.55
13.4000	18.93	18.39	17.89	17.40	16.94
13.6500	16.49	16.07	15.66	15.28	14.92
13.9000	14.57	14.24	13.91	13.59	13.28
14.1500	12.98	12.71	12.46	12.24	12.04
14.4000	11.86	11.70	11.55	11.42	11.29
14.6500	11.17	11.06	10.94	10.83	10.72
14.9000	10.62	10.51	10.40	10.30	10.19
15.1500	10.08	9.98	9.87	9.76	9.66
15.4000	9.55	9.45	9.34	9.23	9.12
15.6500	9.01	8.91	8.80	8.69	8.58
15.9000	8.47	8.36	8.25	8.15	8.04

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.1500	7.94	7.84	7.75	7.67 7.60
16.4000	7.54	7.48	7.43	7.38 7.33
16.6500	7.29	7.25	7.21	7.17 7.13
16.9000	7.09	7.05	7.01	6.97 6.93
17.1500	6.89	6.85	6.82	6.78 6.74
17.4000	6.70	6.66	6.62	6.58 6.55
17.6500	6.51	6.47	6.43	6.39 6.35
17.9000	6.31	6.27	6.23	6.20 6.16
18.1500	6.12	6.08	6.04	6.00 5.96
18.4000	5.92	5.88	5.84	5.80 5.76
18.6500	5.72	5.68	5.64	5.60 5.56
18.9000	5.52	5.48	5.44	5.40 5.36
19.1500	5.32	5.28	5.24	5.20 5.16
19.4000	5.12	5.08	5.04	5.00 4.96
19.6500	4.92	4.88	4.84	4.80 4.76
19.9000	4.72	4.68	4.64	4.60 4.56
20.1500	4.52	4.48	4.45	4.43 4.40
20.4000	4.38	4.37	4.35	4.34 4.33
20.6500	4.32	4.31	4.30	4.29 4.28
20.9000	4.28	4.27	4.26	4.25 4.24

21.1500	4.24	4.23	4.22	4.21
4.21				
21.4000	4.20	4.19	4.18	4.18
4.17				
21.6500	4.16	4.15	4.15	4.14
4.13				
21.9000	4.12	4.12	4.11	4.10
4.09				
22.1500	4.09	4.08	4.07	4.06
4.05				
22.4000	4.05	4.04	4.03	4.02
4.02				
22.6500	4.01	4.00	3.99	3.99
3.98				
22.9000	3.97	3.96	3.95	3.95
3.94				
23.1500	3.93	3.92	3.92	3.91
3.90				
23.4000	3.89	3.88	3.88	3.87
3.86				
23.6500	3.85	3.85	3.84	3.83
3.82				
23.9000	3.81	3.81	3.79	3.73
3.59				
24.1500	3.32	2.91	2.44	1.97
1.53				
24.4000	1.15	.86	.64	.48
.36				
24.6500	.27	.21	.15	.11
.08				
24.9000	.06	.05	.03	.02
.02				
25.1500	.01	.01	.00	.00
.00				

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3A 25
Tc = .4313 hrs
Drainage Area = 80.400 acres Runoff CN= 74

==========
Computational Time Increment = .05751 hrs
Computed Peak Time = 12.1347 hrs
Computed Peak Flow = 218.47 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 216.84 cfs
==========

DRAINAGE AREA

ID:BASIN3A
CN = 74
Area = 80.400 acres
S = 3.5135 in
0.2S = .7027 in

Cumulative Runoff

2.9343 in
856371 cu.ft

HYG Volume... 856233 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .43133 hrs (ID: BASIN3A)
Computational Incr, Tm = .05751 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 211.20 cfs
Unit peak time Tp = .28755 hrs
Unit receding limb, Tr = 1.15021 hrs
Total unit time, Tb = 1.43776 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3A 25
Tc = .4313 hrs
Drainage Area = 80.400 acres Runoff CN= 74
Calc.Increment= .05751 hrs Out.Incr.= .0500 hrs
HYG Volume = 856233 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
8.2000	.00	.00	.01	.01	.03
8.4500	.05	.07	.11	.14	.19
8.7000	.23	.28	.33	.39	.45
8.9500	.51	.58	.64	.71	.78
9.2000	.86	.93	1.00	1.07	1.14
9.4500	1.21	1.28	1.35	1.42	1.49
9.7000	1.56	1.64	1.73	1.82	1.92
9.9500	2.03	2.15	2.27	2.39	2.52
10.2000	2.67	2.82	2.98	3.15	3.33
10.4500	3.52	3.71	3.92	4.14	4.38
10.7000	4.62	4.89	5.18	5.49	5.82
10.9500	6.17	6.55	6.94	7.36	7.82

11.2000	8.34	8.92	9.57	10.30	11.10
11.4500	11.96	12.91	14.18	16.14	19.48
11.7000	24.98	33.43	45.86	63.81	89.47
11.9500	122.27	157.80	189.00	209.87	216.84
12.2000	209.40	190.43	165.51	141.07	119.39
12.4500	101.54	87.33	75.86	66.37	58.45
12.7000	52.02	46.67	42.25	38.63	35.64
12.9500	33.16	31.08	29.32	27.78	26.40
13.2000	25.15	24.04	23.07	22.24	21.53
13.4500	20.91	20.33	19.78	19.25	18.74
13.7000	18.26	17.79	17.36	16.94	16.55
13.9500	16.16	15.79	15.42	15.07	14.73
14.2000	14.42	14.14	13.88	13.65	13.45
14.4500	13.27	13.10	12.95	12.81	12.67
14.7000	12.54	12.41	12.28	12.15	12.03
14.9500	11.91	11.79	11.67	11.54	11.42
15.2000	11.30	11.18	11.06	10.94	10.82
15.4500	10.70	10.57	10.45	10.33	10.20

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.7000	10.08	9.96	9.84	9.71	9.59
15.9500	9.46	9.34	9.22	9.09	8.98
16.2000	8.87	8.77	8.68	8.60	8.52
16.4500	8.46	8.40	8.35	8.29	8.24
16.7000	8.19	8.15	8.10	8.06	8.01
16.9500	7.97	7.92	7.88	7.83	7.79
17.2000	7.75	7.70	7.66	7.62	7.57
17.4500	7.53	7.48	7.44	7.40	7.35
17.7000	7.31	7.26	7.22	7.18	7.13
17.9500	7.09	7.04	7.00	6.95	6.91
18.2000	6.86	6.82	6.77	6.73	6.69
18.4500	6.64	6.60	6.55	6.51	6.46
18.7000	6.42	6.37	6.33	6.28	6.24
18.9500	6.19	6.14	6.10	6.05	6.01
19.2000	5.96	5.92	5.87	5.83	5.78
19.4500	5.73	5.69	5.64	5.60	5.55
19.7000	5.51	5.46	5.41	5.37	5.32
19.9500	5.28	5.23	5.19	5.14	5.10
20.2000	5.06	5.02	4.99	4.97	4.95
20.4500	4.93	4.91	4.90	4.88	4.87

20.7000	4.86	4.85	4.84	4.83	4.82
20.9500	4.81	4.80	4.79	4.79	4.78
21.2000	4.77	4.76	4.75	4.74	4.73
21.4500	4.73	4.72	4.71	4.70	4.69
21.7000	4.68	4.67	4.66	4.66	4.65
21.9500	4.64	4.63	4.62	4.61	4.60
22.2000	4.60	4.59	4.58	4.57	4.56
22.4500	4.55	4.54	4.53	4.53	4.52
22.7000	4.51	4.50	4.49	4.48	4.47
22.9500	4.46	4.46	4.45	4.44	4.43
23.2000	4.42	4.41	4.40	4.39	4.38
23.4500	4.38	4.37	4.36	4.35	4.34
23.7000	4.33	4.32	4.31	4.30	4.30
23.9500	4.29	4.26	4.20	4.04	3.73
24.2000	3.28	2.75	2.22	1.72	1.30
24.4500	.96	.72	.54	.41	.31
24.7000	.23	.17	.13	.09	.07
24.9500	.05	.04	.03	.02	.01
25.2000	.01	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3A 100
Tc = .4313 hrs
Drainage Area = 80.400 acres Runoff CN= 74

==========
Computational Time Increment = .05751 hrs
Computed Peak Time = 12.1347 hrs
Computed Peak Flow = 302.13 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 299.42 cfs
==========

DRAINAGE AREA

ID:BASIN3A
CN = 74
Area = 80.400 acres
S = 3.5135 in
0.2S = .7027 in

Cumulative Runoff

4.0421 in
1179685 cu.ft

HYG Volume... 1179491 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .43133 hrs (ID: BASIN3A)
Computational Incr, Tm = .05751 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 211.20 cfs
Unit peak time Tp = .28755 hrs
Unit receding limb, Tr = 1.15021 hrs
Total unit time, Tb = 1.43776 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3A 100
Tc = .4313 hrs
Drainage Area = 80.400 acres Runoff CN= 74
Calc.Increment= .05751 hrs Out.Incr.= .0500 hrs
HYG Volume = 1179491 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
7.1000	.00	.00	.00	.01	.02
7.3500	.04	.06	.09	.12	.16
7.6000	.20	.24	.29	.33	.38
7.8500	.43	.47	.52	.57	.62
8.1000	.67	.73	.78	.84	.90
8.3500	.97	1.04	1.11	1.18	1.26
8.6000	1.35	1.43	1.53	1.62	1.71
8.8500	1.82	1.92	2.03	2.14	2.25
9.1000	2.36	2.48	2.59	2.70	2.81
9.3500	2.92	3.02	3.11	3.21	3.30
9.6000	3.39	3.49	3.59	3.71	3.84
9.8500	3.98	4.13	4.30	4.47	4.66

10.1000	4.86	5.07	5.29	5.52	5.77
10.3500	6.03	6.31	6.61	6.91	7.23
10.6000	7.57	7.93	8.30	8.71	9.15
10.8500	9.62	10.12	10.65	11.21	11.79
11.1000	12.41	13.10	13.87	14.73	15.70
11.3500	16.78	17.96	19.23	20.61	22.48
11.6000	25.37	30.31	38.39	50.71	68.62
11.8500	94.13	129.94	174.99	223.09	264.62
12.1000	291.58	299.42	287.73	260.59	225.77
12.3500	191.88	161.96	137.40	117.86	102.12
12.6000	89.13	78.31	69.56	62.28	56.29
12.8500	51.37	47.32	43.97	41.15	38.77
13.1000	36.70	34.84	33.16	31.67	30.38
13.3500	29.27	28.32	27.50	26.73	26.00
13.6000	25.30	24.62	23.98	23.36	22.78
13.8500	22.23	21.71	21.20	20.70	20.22
14.1000	19.75	19.30	18.89	18.52	18.18
14.3500	17.88	17.61	17.37	17.15	16.94

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
14.6000	16.75	16.57	16.39	16.22	16.05
14.8500	15.89	15.72	15.56	15.40	15.24
15.1000	15.08	14.92	14.76	14.60	14.44
15.3500	14.28	14.12	13.96	13.79	13.63
15.6000	13.47	13.31	13.15	12.98	12.82
15.8500	12.66	12.50	12.33	12.17	12.01
16.1000	11.85	11.70	11.55	11.42	11.30
16.3500	11.19	11.10	11.01	10.93	10.86
16.6000	10.79	10.73	10.66	10.60	10.54
16.8500	10.48	10.42	10.36	10.30	10.25
17.1000	10.19	10.13	10.07	10.01	9.96
17.3500	9.90	9.84	9.78	9.73	9.67
17.6000	9.61	9.55	9.49	9.44	9.38
17.8500	9.32	9.26	9.20	9.14	9.09
18.1000	9.03	8.97	8.91	8.85	8.79
18.3500	8.73	8.68	8.62	8.56	8.50
18.6000	8.44	8.38	8.32	8.26	8.20
18.8500	8.15	8.09	8.03	7.97	7.91
19.1000	7.85	7.79	7.73	7.67	7.61
19.3500	7.55	7.49	7.43	7.37	7.31

19.6000	7.25	7.19	7.13	7.07
7.01				
19.8500	6.95	6.89	6.83	6.77
6.72				
20.1000	6.66	6.60	6.55	6.50
6.46				
20.3500	6.43	6.40	6.38	6.36
6.34				
20.6000	6.32	6.31	6.29	6.28
6.26				
20.8500	6.25	6.24	6.23	6.22
6.20				
21.1000	6.19	6.18	6.17	6.16
6.15				
21.3500	6.13	6.12	6.11	6.10
6.09				
21.6000	6.08	6.07	6.05	6.04
6.03				
21.8500	6.02	6.01	6.00	5.99
5.97				
22.1000	5.96	5.95	5.94	5.93
5.92				
22.3500	5.91	5.89	5.88	5.87
5.86				
22.6000	5.85	5.84	5.82	5.81
5.80				
22.8500	5.79	5.78	5.77	5.76
5.74				
23.1000	5.73	5.72	5.71	5.70
5.69				
23.3500	5.67	5.66	5.65	5.64
5.63				
23.6000	5.62	5.60	5.59	5.58
5.57				
23.8500	5.56	5.55	5.53	5.50
5.42				
24.1000	5.22	4.82	4.23	3.55
2.86				
24.3500	2.22	1.67	1.24	.93
.70				
24.6000	.53	.40	.30	.22
.17				
24.8500	.12	.09	.07	.05
.04				
25.1000	.02	.02	.01	.01
.00				
25.3500	.00			

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3B 15
Tc = .2840 hrs
Drainage Area = 1.400 acres Runoff CN= 70

==========
Computational Time Increment = .03786 hrs
Computed Peak Time = 12.0779 hrs
Computed Peak Flow = 3.50 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.0500 hrs
Peak Flow, Interpolated Output = 3.44 cfs
WARNING: The difference between calculated peak flow and interpolated peak flow is greater than 1.50%
==========

DRAINAGE AREA

ID:BASIN3B
CN = 70
Area = 1.400 acres
S = 4.2857 in
0.2S = .8571 in

Cumulative Runoff

2.1858 in
11108 cu.ft

HYG Volume... 11107 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .28396 hrs (ID: BASIN3B)
Computational Incr, Tm = .03786 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak,	qp =	5.59 cfs
Unit peak time	Tp =	.18931 hrs
Unit receding limb,	Tr =	.75724 hrs
Total unit time,	Tb =	.94655 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3B 15
Tc = .2840 hrs
Drainage Area = 1.400 acres Runoff CN= 70
Calc.Increment= .03786 hrs Out.Incr.= .0500 hrs
HYG Volume = 11107 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
9.7500	.00	.00	.00	.00 .00
10.0000	.01	.01	.01	.01 .01
10.2500	.01	.01	.02	.02 .02
10.5000	.02	.02	.03	.03 .03
10.7500	.04	.04	.04	.05 .05
11.0000	.06	.06	.07	.07 .08
11.2500	.09	.10	.11	.12 .13
11.5000	.14	.16	.20	.27 .38
11.7500	.56	.82	1.20	1.77 2.46
12.0000	3.10	3.44	3.39	2.96 2.39
12.2500	1.86	1.46	1.20	1.01 .87
12.5000	.76	.67	.60	.54 .49

12.7500	.45	.43	.40	.38
.37				
13.0000	.36	.34	.33	.32
.31				
13.2500	.30	.29	.29	.28
.27				
13.5000	.26	.26	.25	.25
.24				
13.7500	.23	.23	.22	.22
.21				
14.0000	.21	.20	.20	.20
.19				
14.2500	.19	.19	.18	.18
.18				
14.5000	.18	.18	.18	.17
.17				
14.7500	.17	.17	.17	.17
.16				
15.0000	.16	.16	.16	.16
.16				
15.2500	.15	.15	.15	.15
.15				
15.5000	.15	.14	.14	.14
.14				
15.7500	.14	.14	.13	.13
.13				
16.0000	.13	.13	.12	.12
.12				
16.2500	.12	.12	.12	.12
.12				
16.5000	.12	.12	.12	.12
.11				
16.7500	.11	.11	.11	.11
.11				
17.0000	.11	.11	.11	.11
.11				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
17.2500	.11	.11	.11	.11
17.5000	.11	.10	.10	.10
17.7500	.10	.10	.10	.10
18.0000	.10	.10	.10	.10
18.2500	.10	.10	.09	.09
18.5000	.09	.09	.09	.09
18.7500	.09	.09	.09	.09
19.0000	.09	.09	.09	.08
19.2500	.08	.08	.08	.08
19.5000	.08	.08	.08	.08
19.7500	.08	.08	.08	.07
20.0000	.07	.07	.07	.07
20.2500	.07	.07	.07	.07
20.5000	.07	.07	.07	.07
20.7500	.07	.07	.07	.07
21.0000	.07	.07	.07	.07
21.2500	.07	.07	.07	.07
21.5000	.07	.07	.07	.07
21.7500	.07	.07	.07	.07
22.0000	.07	.07	.07	.07

22.2500	.07	.07	.07	.07
.07				
22.5000	.07	.06	.06	.06
.06				
22.7500	.06	.06	.06	.06
.06				
23.0000	.06	.06	.06	.06
.06				
23.2500	.06	.06	.06	.06
.06				
23.5000	.06	.06	.06	.06
.06				
23.7500	.06	.06	.06	.06
.06				
24.0000	.06	.06	.05	.04
.03				
24.2500	.02	.01	.01	.01
.00				
24.5000	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3B 25
Tc = .2840 hrs
Drainage Area = 1.400 acres Runoff CN= 70

==========
Computational Time Increment = .03786 hrs
Computed Peak Time = 12.0779 hrs
Computed Peak Flow = 4.13 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.0500 hrs
Peak Flow, Interpolated Output = 4.07 cfs
==========

DRAINAGE AREA

ID:BASIN3B
CN = 70
Area = 1.400 acres
S = 4.2857 in
0.2S = .8571 in

Cumulative Runoff

2.5692 in
13057 cu.ft

HYG Volume... 13055 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .28396 hrs (ID: BASIN3B)
Computational Incr, Tm = .03786 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak,	qp =	5.59 cfs
Unit peak time	Tp =	.18931 hrs
Unit receding limb,	Tr =	.75724 hrs
Total unit time,	Tb =	.94655 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3B 25
Tc = .2840 hrs
Drainage Area = 1.400 acres Runoff CN= 70
Calc.Increment= .03786 hrs Out.Incr.= .0500 hrs
HYG Volume = 13055 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
9.3000	.00	.00	.00	.00 .00
9.5500	.00	.01	.01	.01 .01
9.8000	.01	.01	.01	.02 .02
10.0500	.02	.02	.02	.02 .03
10.3000	.03	.03	.03	.04 .04
10.5500	.04	.05	.05	.05 .06
10.8000	.06	.07	.07	.08 .08
11.0500	.09	.10	.10	.11 .12
11.3000	.13	.15	.16	.17 .19
11.5500	.21	.26	.35	.48 .71
11.8000	1.03	1.48	2.15	2.95 3.69
12.0500	4.07	3.99	3.48	2.80 2.18

12.3000	1.71	1.39	1.17	1.01
.88				
12.5500	.77	.69	.62	.57
.52				
12.8000	.49	.46	.44	.43
.41				
13.0500	.39	.38	.37	.36
.35				
13.3000	.34	.33	.32	.31
.30				
13.5500	.30	.29	.28	.27
.27				
13.8000	.26	.26	.25	.25
.24				
14.0500	.23	.23	.22	.22
.22				
14.3000	.21	.21	.21	.21
.20				
14.5500	.20	.20	.20	.20
.20				
14.8000	.19	.19	.19	.19
.19				
15.0500	.18	.18	.18	.18
.18				
15.3000	.17	.17	.17	.17
.17				
15.5500	.16	.16	.16	.16
.16				
15.8000	.15	.15	.15	.15
.15				
16.0500	.14	.14	.14	.14
.14				
16.3000	.14	.14	.14	.13
.13				
16.5500	.13	.13	.13	.13
.13				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.8000	.13	.13	.13	.13
17.0500	.13	.13	.12	.12
17.3000	.12	.12	.12	.12
17.5500	.12	.12	.12	.12
17.8000	.12	.11	.11	.11
18.0500	.11	.11	.11	.11
18.3000	.11	.11	.11	.11
18.5500	.10	.10	.10	.10
18.8000	.10	.10	.10	.10
19.0500	.10	.10	.10	.10
19.3000	.09	.09	.09	.09
19.5500	.09	.09	.09	.09
19.8000	.09	.09	.08	.08
20.0500	.08	.08	.08	.08
20.3000	.08	.08	.08	.08
20.5500	.08	.08	.08	.08
20.8000	.08	.08	.08	.08
21.0500	.08	.08	.08	.08
21.3000	.08	.08	.08	.08
21.5500	.08	.08	.08	.08

21.8000	.08	.08	.08	.08
.08				
22.0500	.08	.07	.07	.07
.07				
22.3000	.07	.07	.07	.07
.07				
22.5500	.07	.07	.07	.07
.07				
22.8000	.07	.07	.07	.07
.07				
23.0500	.07	.07	.07	.07
.07				
23.3000	.07	.07	.07	.07
.07				
23.5500	.07	.07	.07	.07
.07				
23.8000	.07	.07	.07	.07
.07				
24.0500	.07	.06	.05	.04
.02				
24.3000	.02	.01	.01	.00
.00				
24.5500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3B 100
Tc = .2840 hrs
Drainage Area = 1.400 acres Runoff CN= 70

==========
Computational Time Increment = .03786 hrs
Computed Peak Time = 12.0779 hrs
Computed Peak Flow = 5.83 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.0500 hrs
Peak Flow, Interpolated Output = 5.79 cfs
==========

DRAINAGE AREA

ID:BASIN3B
CN = 70
Area = 1.400 acres
S = 4.2857 in
0.2S = .8571 in

Cumulative Runoff

3.6184 in
18389 cu.ft

HYG Volume... 18387 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .28396 hrs (ID: BASIN3B)
Computational Incr, Tm = .03786 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak,	qp =	5.59 cfs
Unit peak time	Tp =	.18931 hrs
Unit receding limb,	Tr =	.75724 hrs
Total unit time,	Tb =	.94655 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN3B 100
Tc = .2840 hrs
Drainage Area = 1.400 acres Runoff CN= 70
Calc.Increment= .03786 hrs Out.Incr.= .0500 hrs
HYG Volume = 18387 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
8.3000	.00	.00	.00	.00 .00
8.5500	.00	.01	.01	.01 .01
8.8000	.01	.01	.01	.01 .02
9.0500	.02	.02	.02	.02 .02
9.3000	.03	.03	.03	.03 .03
9.5500	.03	.03	.04	.04 .04
9.8000	.04	.04	.05	.05 .05
10.0500	.06	.06	.06	.07 .07
10.3000	.07	.08	.08	.09 .09
10.5500	.10	.10	.11	.11 .12
10.8000	.13	.13	.14	.15 .16
11.0500	.17	.18	.19	.21 .22

11.3000	.24	.26	.28	.30	.33
11.5500	.36	.44	.57	.78	1.12
11.8000	1.60	2.26	3.20	4.31	5.31
12.0500	5.79	5.62	4.86	3.89	3.02
12.3000	2.36	1.92	1.61	1.37	1.20
12.5500	1.05	.94	.84	.77	.71
12.8000	.66	.62	.60	.57	.55
13.0500	.53	.51	.49	.48	.46
13.3000	.45	.44	.43	.42	.41
13.5500	.40	.39	.38	.37	.36
13.8000	.35	.34	.33	.33	.32
14.0500	.31	.31	.30	.29	.29
14.3000	.28	.28	.28	.28	.27
14.5500	.27	.27	.26	.26	.26
14.8000	.26	.25	.25	.25	.25
15.0500	.24	.24	.24	.24	.23
15.3000	.23	.23	.23	.22	.22
15.5500	.22	.22	.21	.21	.21

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
15.8000	.20	.20	.20	.20 .19
16.0500	.19	.19	.19	.18 .18
16.3000	.18	.18	.18	.18 .18
16.5500	.18	.18	.17	.17 .17
16.8000	.17	.17	.17	.17 .17
17.0500	.17	.17	.16	.16 .16
17.3000	.16	.16	.16	.16 .16
17.5500	.16	.16	.16	.15 .15
17.8000	.15	.15	.15	.15 .15
18.0500	.15	.15	.15	.14 .14
18.3000	.14	.14	.14	.14 .14
18.5500	.14	.14	.14	.14 .13
18.8000	.13	.13	.13	.13 .13
19.0500	.13	.13	.13	.13 .12
19.3000	.12	.12	.12	.12 .12
19.5500	.12	.12	.12	.12 .11
19.8000	.11	.11	.11	.11 .11
20.0500	.11	.11	.11	.11 .11
20.3000	.11	.11	.10	.10 .10
20.5500	.10	.10	.10	.10 .10

20.8000	.10	.10	.10	.10
.10				
21.0500	.10	.10	.10	.10
.10				
21.3000	.10	.10	.10	.10
.10				
21.5500	.10	.10	.10	.10
.10				
21.8000	.10	.10	.10	.10
.10				
22.0500	.10	.10	.10	.10
.10				
22.3000	.10	.10	.10	.10
.10				
22.5500	.10	.10	.10	.10
.10				
22.8000	.10	.10	.10	.10
.10				
23.0500	.09	.09	.09	.09
.09				
23.3000	.09	.09	.09	.09
.09				
23.5500	.09	.09	.09	.09
.09				
23.8000	.09	.09	.09	.09
.09				
24.0500	.09	.08	.06	.05
.03				
24.3000	.02	.01	.01	.01
.00				
24.5500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN4 15
Tc = .4028 hrs
Drainage Area = 10.200 acres Runoff CN= 73

==========
Computational Time Increment = .05370 hrs
Computed Peak Time = 12.1363 hrs
Computed Peak Flow = 23.84 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 23.54 cfs
==========

DRAINAGE AREA

ID:BASIN4
CN = 73
Area = 10.200 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

2.4383 in
90281 cu.ft

HYG Volume... 90257 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .40275 hrs (ID: BASIN4)
Computational Incr, Tm = .05370 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 28.70 cfs
Unit peak time Tp = .26850 hrs
Unit receding limb, Tr = 1.07401 hrs
Total unit time, Tb = 1.34251 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN4 15
Tc = .4028 hrs
Drainage Area = 10.200 acres Runoff CN= 73
Calc.Increment= .05370 hrs Out.Incr.= .0500 hrs
HYG Volume = 90257 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

8.9500	.00	.00	.00	.01
9.2000	.01	.02	.02	.03
9.4500	.04	.05	.06	.06
9.7000	.08	.09	.10	.11
9.9500	.13	.14	.15	.16
10.2000	.19	.20	.22	.23
10.4500	.27	.29	.31	.33
10.7000	.38	.40	.43	.46
10.9500	.53	.57	.61	.65
11.2000	.75	.81	.88	.95
11.4500	1.12	1.22	1.35	1.54
11.7000	2.47	3.43	4.86	6.99

1.03
1.89
9.92

11.9500	13.62	17.62	21.08	23.20	23.54
12.2000	22.19	19.70	16.81	14.06	11.81
12.4500	10.06	8.68	7.55	6.62	5.85
12.7000	5.22	4.69	4.27	3.93	3.65
12.9500	3.42	3.22	3.05	2.90	2.76
13.2000	2.64	2.54	2.45	2.38	2.31
13.4500	2.25	2.19	2.13	2.07	2.02
13.7000	1.97	1.92	1.87	1.83	1.79
13.9500	1.75	1.71	1.67	1.63	1.60
14.2000	1.56	1.53	1.51	1.48	1.46
14.4500	1.44	1.43	1.41	1.40	1.38
14.7000	1.37	1.35	1.34	1.33	1.31
14.9500	1.30	1.29	1.27	1.26	1.25
15.2000	1.23	1.22	1.21	1.20	1.18
15.4500	1.17	1.16	1.14	1.13	1.12
15.7000	1.10	1.09	1.07	1.06	1.05
15.9500	1.03	1.02	1.01	.99	.98
16.2000	.97	.96	.95	.94	.93

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.4500	.93	.92	.92	.91 .90
16.7000	.90	.89	.89	.88 .88
16.9500	.88	.87	.87	.86 .86
17.2000	.85	.85	.84	.84 .83
17.4500	.83	.82	.82	.81 .81
17.7000	.80	.80	.79	.79 .78
17.9500	.78	.77	.77	.76 .76
18.2000	.76	.75	.75	.74 .74
18.4500	.73	.73	.72	.72 .71
18.7000	.71	.70	.70	.69 .69
18.9500	.68	.68	.67	.67 .66
19.2000	.66	.65	.65	.64 .64
19.4500	.63	.63	.62	.62 .61
19.7000	.61	.60	.60	.59 .59
19.9500	.58	.58	.57	.57 .56
20.2000	.56	.55	.55	.55 .55
20.4500	.54	.54	.54	.54 .54
20.7000	.54	.54	.53	.53 .53
20.9500	.53	.53	.53	.53 .53
21.2000	.53	.53	.53	.52 .52

21.4500	.52	.52	.52	.52
.52				
21.7000	.52	.52	.52	.51
.51				
21.9500	.51	.51	.51	.51
.51				
22.2000	.51	.51	.51	.51
.50				
22.4500	.50	.50	.50	.50
.50				
22.7000	.50	.50	.50	.50
.49				
22.9500	.49	.49	.49	.49
.49				
23.2000	.49	.49	.49	.49
.49				
23.4500	.48	.48	.48	.48
.48				
23.7000	.48	.48	.48	.48
.48				
23.9500	.47	.47	.47	.44
.40				
24.2000	.35	.28	.22	.17
.12				
24.4500	.09	.07	.05	.04
.03				
24.7000	.02	.01	.01	.01
.01				
24.9500	.00	.00	.00	.00
.00				

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN4 25
Tc = .4028 hrs
Drainage Area = 10.200 acres Runoff CN= 73

==========
Computational Time Increment = .05370 hrs
Computed Peak Time = 12.1363 hrs
Computed Peak Flow = 27.88 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 27.51 cfs
==========

DRAINAGE AREA

ID:BASIN4
CN = 73
Area = 10.200 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

2.8415 in
105210 cu.ft

HYG Volume... 105180 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .40275 hrs (ID: BASIN4)
Computational Incr, Tm = .05370 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 28.70 cfs
Unit peak time Tp = .26850 hrs
Unit receding limb, Tr = 1.07401 hrs
Total unit time, Tb = 1.34251 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN4 25
Tc = .4028 hrs
Drainage Area = 10.200 acres Runoff CN= 73
Calc.Increment= .05370 hrs Out.Incr.= .0500 hrs
HYG Volume = 105180 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
8.5500	.00	.00	.00	.01
8.8000	.02	.02	.03	.03
9.0500	.05	.06	.07	.07
9.3000	.09	.10	.11	.12
9.5500	.13	.14	.15	.16
9.8000	.18	.19	.20	.22
10.0500	.25	.26	.28	.29
10.3000	.33	.35	.37	.40
10.5500	.45	.47	.50	.53
10.8000	.60	.64	.68	.72
11.0500	.82	.87	.93	.99
11.3000	1.14	1.23	1.33	1.44

1.56

11.5500	1.72	1.95	2.38	3.09	4.24
11.8000	5.96	8.48	11.94	16.25	20.86
12.0500	24.83	27.21	27.51	25.87	22.91
12.3000	19.51	16.30	13.67	11.63	10.02
12.5500	8.71	7.62	6.73	5.99	5.39
12.8000	4.90	4.50	4.18	3.91	3.68
13.0500	3.49	3.31	3.15	3.02	2.90
13.3000	2.80	2.71	2.63	2.56	2.49
13.5500	2.42	2.36	2.30	2.24	2.19
13.8000	2.13	2.08	2.04	1.99	1.94
14.0500	1.90	1.85	1.81	1.78	1.74
14.3000	1.71	1.69	1.66	1.64	1.62
14.5500	1.60	1.59	1.57	1.55	1.54
14.8000	1.52	1.51	1.49	1.48	1.46
15.0500	1.45	1.43	1.42	1.40	1.39
15.3000	1.37	1.36	1.34	1.33	1.31
15.5500	1.30	1.28	1.27	1.25	1.23
15.8000	1.22	1.20	1.19	1.17	1.16

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
16.0500	1.14	1.13	1.11	1.10	1.09
16.3000	1.08	1.07	1.06	1.05	1.04
16.5500	1.04	1.03	1.03	1.02	1.01
16.8000	1.01	1.00	1.00	.99	.99
17.0500	.98	.97	.97	.96	.96
17.3000	.95	.95	.94	.94	.93
17.5500	.93	.92	.92	.91	.90
17.8000	.90	.89	.89	.88	.88
18.0500	.87	.87	.86	.85	.85
18.3000	.84	.84	.83	.83	.82
18.5500	.82	.81	.80	.80	.79
18.8000	.79	.78	.78	.77	.76
19.0500	.76	.75	.75	.74	.74
19.3000	.73	.72	.72	.71	.71
19.5500	.70	.70	.69	.69	.68
19.8000	.67	.67	.66	.66	.65
20.0500	.64	.64	.63	.63	.63
20.3000	.62	.62	.62	.61	.61
20.5500	.61	.61	.61	.61	.61
20.8000	.60	.60	.60	.60	.60

21.0500	.60	.60	.60	.60
.59				
21.3000	.59	.59	.59	.59
.59				
21.5500	.59	.59	.59	.58
.58				
21.8000	.58	.58	.58	.58
.58				
22.0500	.58	.58	.57	.57
.57				
22.3000	.57	.57	.57	.57
.57				
22.5500	.57	.57	.56	.56
.56				
22.8000	.56	.56	.56	.56
.56				
23.0500	.56	.55	.55	.55
.55				
23.3000	.55	.55	.55	.55
.55				
23.5500	.54	.54	.54	.54
.54				
23.8000	.54	.54	.54	.54
.53				
24.0500	.52	.50	.46	.39
.32				
24.3000	.25	.19	.14	.10
.07				
24.5500	.05	.04	.03	.02
.02				
24.8000	.01	.01	.01	.00
.00				
25.0500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN4 100
Tc = .4028 hrs
Drainage Area = 10.200 acres Runoff CN= 73

==========
Computational Time Increment = .05370 hrs
Computed Peak Time = 12.1363 hrs
Computed Peak Flow = 38.72 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 38.16 cfs
==========

DRAINAGE AREA

ID:BASIN4
CN = 73
Area = 10.200 acres
S = 3.6986 in
0.2S = .7397 in

Cumulative Runoff

3.9353 in
145708 cu.ft

HYG Volume... 145662 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .40275 hrs (ID: BASIN4)
Computational Incr, Tm = .05370 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 28.70 cfs
Unit peak time Tp = .26850 hrs
Unit receding limb, Tr = 1.07401 hrs
Total unit time, Tb = 1.34251 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN4 100
Tc = .4028 hrs
Drainage Area = 10.200 acres Runoff CN= 73
Calc.Increment= .05370 hrs Out.Incr.= .0500 hrs
HYG Volume = 145662 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
7.4500	.00	.00	.00	.01
7.7000	.01	.02	.02	.03
7.9500	.04	.04	.05	.06
8.2000	.07	.08	.08	.09
8.4500	.11	.12	.13	.14
8.7000	.16	.17	.18	.19
8.9500	.22	.23	.24	.26
9.2000	.29	.30	.31	.32
9.4500	.35	.36	.37	.38
9.7000	.41	.42	.44	.46
9.9500	.50	.52	.54	.56
10.2000	.62	.65	.68	.71

.01
.03
.06
.10
.15
.20
.27
.34
.39
.48
.59
.74

10.4500	.78	.82	.86	.90	.94
10.7000	.99	1.04	1.09	1.15	1.21
10.9500	1.28	1.35	1.42	1.50	1.59
11.2000	1.68	1.79	1.92	2.05	2.20
11.4500	2.36	2.54	2.77	3.12	3.76
11.7000	4.81	6.52	9.01	12.61	17.46
11.9500	23.41	29.67	34.94	37.98	38.16
12.2000	35.71	31.49	26.73	22.26	18.62
12.4500	15.79	13.57	11.76	10.27	9.04
12.7000	8.04	7.21	6.55	6.01	5.57
12.9500	5.20	4.90	4.63	4.39	4.18
13.2000	3.99	3.84	3.70	3.58	3.48
13.4500	3.38	3.29	3.20	3.12	3.03
13.7000	2.96	2.88	2.81	2.75	2.68
13.9500	2.62	2.56	2.50	2.44	2.39
14.2000	2.34	2.29	2.25	2.22	2.18
14.4500	2.16	2.13	2.11	2.08	2.06
14.7000	2.04	2.02	2.00	1.98	1.96

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
14.9500	1.94	1.92	1.90	1.88	1.86
15.2000	1.84	1.82	1.80	1.78	1.76
15.4500	1.74	1.72	1.70	1.68	1.66
15.7000	1.64	1.62	1.60	1.58	1.56
15.9500	1.53	1.51	1.49	1.47	1.46
16.2000	1.44	1.42	1.41	1.39	1.38
16.4500	1.37	1.36	1.36	1.35	1.34
16.7000	1.33	1.32	1.32	1.31	1.30
16.9500	1.29	1.29	1.28	1.27	1.27
17.2000	1.26	1.25	1.24	1.24	1.23
17.4500	1.22	1.21	1.21	1.20	1.19
17.7000	1.19	1.18	1.17	1.16	1.16
17.9500	1.15	1.14	1.13	1.13	1.12
18.2000	1.11	1.11	1.10	1.09	1.08
18.4500	1.08	1.07	1.06	1.05	1.05
18.7000	1.04	1.03	1.02	1.02	1.01
18.9500	1.00	1.00	.99	.98	.97
19.2000	.97	.96	.95	.94	.94
19.4500	.93	.92	.91	.91	.90
19.7000	.89	.88	.88	.87	.86

19.9500	.85	.85	.84	.83
20.2000	.82	.81	.81	.80
20.4500	.80	.80	.79	.79
20.7000	.79	.79	.78	.78
20.9500	.78	.78	.78	.78
21.2000	.77	.77	.77	.77
21.4500	.77	.76	.76	.76
21.7000	.76	.76	.76	.75
21.9500	.75	.75	.75	.75
22.2000	.74	.74	.74	.74
22.4500	.74	.74	.73	.73
22.7000	.73	.73	.73	.73
22.9500	.72	.72	.72	.72
23.2000	.72	.71	.71	.71
23.4500	.71	.71	.71	.70
23.7000	.70	.70	.70	.70
23.9500	.69	.69	.68	.65
24.2000	.51	.41	.32	.24
24.4500	.13	.10	.07	.05
24.7000	.03	.02	.01	.01
24.9500	.01	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN5 15
Tc = .3078 hrs
Drainage Area = 19.300 acres Runoff CN= 71

==========
Computational Time Increment = .04104 hrs
Computed Peak Time = 12.0657 hrs
Computed Peak Flow = 47.93 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1000 hrs
Peak Flow, Interpolated Output = 47.49 cfs
==========

DRAINAGE AREA

ID:BASIN5
CN = 71
Area = 19.300 acres
S = 4.0845 in
0.2S = .8169 in

Cumulative Runoff

2.2688 in
158952 cu.ft

HYG Volume... 158941 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .30780 hrs (ID: BASIN5)
Computational Incr, Tm = .04104 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 71.05 cfs
Unit peak time Tp = .20520 hrs
Unit receding limb, Tr = .82080 hrs
Total unit time, Tb = 1.02600 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN5 15
Tc = .3078 hrs
Drainage Area = 19.300 acres Runoff CN= 71
Calc.Increment= .04104 hrs Out.Incr.= .0500 hrs
HYG Volume = 158941 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

9.4000	.00	.00	.01	.01	.02
9.6500	.03	.04	.06	.07	.08
9.9000	.10	.12	.14	.16	.18
10.1500	.20	.22	.25	.27	.30
10.4000	.33	.36	.40	.43	.47
10.6500	.51	.55	.60	.65	.71
10.9000	.77	.83	.90	.97	1.04
11.1500	1.13	1.23	1.34	1.47	1.62
11.4000	1.77	1.94	2.13	2.40	2.89
11.6500	3.76	5.24	7.64	11.14	16.25
11.9000	23.47	32.59	41.26	46.75	47.49
12.1500	43.16	36.01	28.91	22.99	18.66

12.4000	15.65	13.40	11.63	10.20	9.04
12.6500	8.11	7.36	6.76	6.28	5.90
12.9000	5.60	5.35	5.13	4.93	4.76
13.1500	4.59	4.44	4.31	4.19	4.08
13.4000	3.98	3.88	3.78	3.68	3.59
13.6500	3.50	3.42	3.34	3.26	3.19
13.9000	3.12	3.05	2.98	2.91	2.85
14.1500	2.79	2.73	2.69	2.65	2.62
14.4000	2.59	2.56	2.53	2.51	2.49
14.6500	2.46	2.44	2.41	2.39	2.37
14.9000	2.34	2.32	2.30	2.27	2.25
15.1500	2.23	2.20	2.18	2.16	2.13
15.4000	2.11	2.08	2.06	2.04	2.01
15.6500	1.99	1.96	1.94	1.92	1.89
15.9000	1.87	1.84	1.82	1.79	1.77
16.1500	1.75	1.73	1.71	1.70	1.69
16.4000	1.68	1.67	1.66	1.65	1.64
16.6500	1.63	1.62	1.61	1.60	1.60

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.9000	1.59	1.58	1.57	1.56 1.55
17.1500	1.54	1.54	1.53	1.52 1.51
17.4000	1.50	1.49	1.48	1.48 1.47
17.6500	1.46	1.45	1.44	1.43 1.42
17.9000	1.41	1.41	1.40	1.39 1.38
18.1500	1.37	1.36	1.35	1.34 1.33
18.4000	1.33	1.32	1.31	1.30 1.29
18.6500	1.28	1.27	1.26	1.25 1.25
18.9000	1.24	1.23	1.22	1.21 1.20
19.1500	1.19	1.18	1.17	1.16 1.15
19.4000	1.15	1.14	1.13	1.12 1.11
19.6500	1.10	1.09	1.08	1.07 1.06
19.9000	1.05	1.04	1.04	1.03 1.02
20.1500	1.01	1.00	1.00	.99 .99
20.4000	.99	.99	.98	.98 .98
20.6500	.98	.98	.97	.97 .97
20.9000	.97	.97	.97	.96 .96
21.1500	.96	.96	.96	.96 .95
21.4000	.95	.95	.95	.95 .95
21.6500	.94	.94	.94	.94 .94

21.9000	.94	.93	.93	.93
.93				
22.1500	.93	.93	.92	.92
.92				
22.4000	.92	.92	.91	.91
.91				
22.6500	.91	.91	.91	.90
.90				
22.9000	.90	.90	.90	.90
.89				
23.1500	.89	.89	.89	.89
.89				
23.4000	.88	.88	.88	.88
.88				
23.6500	.88	.87	.87	.87
.87				
23.9000	.87	.86	.86	.84
.77				
24.1500	.64	.49	.35	.23
.15				
24.4000	.10	.07	.05	.03
.02				
24.6500	.01	.01	.01	.00
.00				
24.9000	.00			

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN5 25
Tc = .3078 hrs
Drainage Area = 19.300 acres Runoff CN= 71

==========
Computational Time Increment = .04104 hrs
Computed Peak Time = 12.0657 hrs
Computed Peak Flow = 56.50 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1000 hrs
Peak Flow, Interpolated Output = 55.82 cfs
==========

DRAINAGE AREA

ID:BASIN5
CN = 71
Area = 19.300 acres
S = 4.0845 in
0.2S = .8169 in

Cumulative Runoff

2.6590 in
186285 cu.ft

HYG Volume... 186272 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .30780 hrs (ID: BASIN5)
Computational Incr, Tm = .04104 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 71.05 cfs
Unit peak time Tp = .20520 hrs
Unit receding limb, Tr = .82080 hrs
Total unit time, Tb = 1.02600 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN5 25
Tc = .3078 hrs
Drainage Area = 19.300 acres Runoff CN= 71
Calc.Increment= .04104 hrs Out.Incr.= .0500 hrs
HYG Volume = 186272 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
8.9500	.00	.00	.01	.01 .02
9.2000	.03	.04	.06	.07 .09
9.4500	.10	.12	.13	.15 .16
9.7000	.18	.20	.21	.24 .26
9.9500	.28	.30	.33	.36 .38
10.2000	.41	.45	.48	.52 .56
10.4500	.60	.64	.68	.73 .78
10.7000	.84	.90	.96	1.03 1.11
10.9500	1.18	1.27	1.35	1.45 1.56
11.2000	1.68	1.82	1.98	2.16 2.35
11.4500	2.56	2.79	3.12	3.72 4.81
11.7000	6.63	9.57	13.80	19.88 28.40

11.9500	39.03	49.02	55.20	55.82	50.56
12.2000	42.08	33.72	26.76	21.68	18.16
12.4500	15.51	13.44	11.78	10.42	9.34
12.7000	8.47	7.78	7.22	6.78	6.43
12.9500	6.13	5.88	5.66	5.45	5.26
13.2000	5.09	4.94	4.80	4.67	4.55
13.4500	4.44	4.32	4.21	4.11	4.01
13.7000	3.91	3.82	3.73	3.64	3.56
13.9500	3.48	3.40	3.33	3.25	3.18
14.2000	3.12	3.07	3.03	2.99	2.95
14.4500	2.92	2.89	2.86	2.84	2.81
14.7000	2.78	2.75	2.73	2.70	2.67
14.9500	2.65	2.62	2.59	2.57	2.54
15.2000	2.51	2.48	2.46	2.43	2.40
15.4500	2.38	2.35	2.32	2.29	2.26
15.7000	2.24	2.21	2.18	2.15	2.13
15.9500	2.10	2.07	2.04	2.01	1.99
16.2000	1.97	1.95	1.93	1.92	1.91

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.4500	1.90	1.88	1.87	1.86 1.85
16.7000	1.84	1.83	1.82	1.81 1.80
16.9500	1.79	1.79	1.78	1.77 1.76
17.2000	1.75	1.74	1.73	1.72 1.71
17.4500	1.70	1.69	1.68	1.67 1.66
17.7000	1.65	1.64	1.63	1.62 1.61
17.9500	1.60	1.59	1.58	1.57 1.56
18.2000	1.55	1.54	1.53	1.52 1.51
18.4500	1.50	1.49	1.48	1.47 1.45
18.7000	1.44	1.43	1.42	1.41 1.40
18.9500	1.39	1.38	1.37	1.36 1.35
19.2000	1.34	1.33	1.32	1.31 1.30
19.4500	1.29	1.28	1.27	1.26 1.25
19.7000	1.24	1.23	1.22	1.21 1.20
19.9500	1.19	1.18	1.16	1.16 1.15
20.2000	1.14	1.13	1.13	1.12 1.12
20.4500	1.12	1.12	1.11	1.11 1.11
20.7000	1.11	1.10	1.10	1.10 1.10
20.9500	1.10	1.10	1.09	1.09 1.09
21.2000	1.09	1.09	1.08	1.08 1.08

21.4500	1.08	1.08	1.07	1.07
1.07				
21.7000	1.07	1.07	1.06	1.06
1.06				
21.9500	1.06	1.06	1.05	1.05
1.05				
22.2000	1.05	1.05	1.04	1.04
1.04				
22.4500	1.04	1.04	1.03	1.03
1.03				
22.7000	1.03	1.03	1.02	1.02
1.02				
22.9500	1.02	1.02	1.01	1.01
1.01				
23.2000	1.01	1.01	1.00	1.00
1.00				
23.4500	1.00	1.00	.99	.99
.99				
23.7000	.99	.99	.98	.98
.98				
23.9500	.98	.97	.95	.87
.73				
24.2000	.55	.39	.26	.17
.12				
24.4500	.08	.05	.03	.02
.02				
24.7000	.01	.01	.00	.00
.00				

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN5 100
Tc = .3078 hrs
Drainage Area = 19.300 acres Runoff CN= 71

==========
Computational Time Increment = .04104 hrs
Computed Peak Time = 12.0657 hrs
Computed Peak Flow = 79.63 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1000 hrs
Peak Flow, Interpolated Output = 78.24 cfs
WARNING: The difference between calculated peak flow and interpolated peak flow is greater than 1.50%
==========

DRAINAGE AREA

ID:BASIN5
CN = 71
Area = 19.300 acres
S = 4.0845 in
0.2S = .8169 in

Cumulative Runoff

3.7234 in
260860 cu.ft

HYG Volume... 260841 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .30780 hrs (ID: BASIN5)
Computational Incr, Tm = .04104 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak,	qp =	71.05 cfs
Unit peak time	Tp =	.20520 hrs
Unit receding limb,	Tr =	.82080 hrs
Total unit time,	Tb =	1.02600 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BASIN5 100
Tc = .3078 hrs
Drainage Area = 19.300 acres Runoff CN= 71
Calc.Increment= .04104 hrs Out.Incr.= .0500 hrs
HYG Volume = 260841 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
7.9500	.00	.00	.01	.01 .02
8.2000	.03	.04	.05	.06 .08
8.4500	.09	.11	.12	.14 .16
8.7000	.17	.19	.21	.23 .26
8.9500	.28	.30	.32	.35 .37
9.2000	.39	.42	.44	.46 .48
9.4500	.50	.52	.54	.56 .59
9.7000	.61	.64	.67	.70 .74
9.9500	.78	.82	.86	.90 .95
10.2000	1.00	1.05	1.11	1.17 1.23
10.4500	1.30	1.37	1.44	1.51 1.59
10.7000	1.68	1.78	1.88	1.99 2.11

10.9500	2.23	2.35	2.49	2.64	2.80
11.2000	2.99	3.21	3.46	3.73	4.02
11.4500	4.33	4.68	5.19	6.12	7.79
11.7000	10.57	14.98	21.21	29.98	41.98
11.9500	56.65	70.10	78.04	78.24	70.42
12.2000	58.33	46.56	36.83	29.72	24.81
12.4500	21.12	18.25	15.95	14.08	12.60
12.7000	11.40	10.45	9.69	9.09	8.61
12.9500	8.21	7.87	7.56	7.29	7.03
13.2000	6.80	6.59	6.40	6.23	6.07
13.4500	5.91	5.76	5.61	5.47	5.33
13.7000	5.20	5.07	4.96	4.84	4.73
13.9500	4.63	4.52	4.42	4.32	4.23
14.2000	4.14	4.07	4.01	3.96	3.92
14.4500	3.87	3.83	3.79	3.76	3.72
14.7000	3.68	3.65	3.61	3.57	3.54
14.9500	3.50	3.47	3.43	3.39	3.36
15.2000	3.32	3.28	3.25	3.21	3.17

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
15.4500	3.14	3.10	3.06	3.03
2.99				
15.7000	2.95	2.92	2.88	2.84
2.80				
15.9500	2.77	2.73	2.69	2.66
2.62				
16.2000	2.59	2.57	2.55	2.53
2.51				
16.4500	2.50	2.48	2.47	2.45
2.44				
16.7000	2.43	2.41	2.40	2.39
2.38				
16.9500	2.36	2.35	2.34	2.32
2.31				
17.2000	2.30	2.28	2.27	2.26
2.24				
17.4500	2.23	2.22	2.20	2.19
2.18				
17.7000	2.16	2.15	2.14	2.12
2.11				
17.9500	2.10	2.08	2.07	2.06
2.04				
18.2000	2.03	2.02	2.00	1.99
1.98				
18.4500	1.96	1.95	1.94	1.92
1.91				
18.7000	1.90	1.88	1.87	1.85
1.84				
18.9500	1.83	1.81	1.80	1.79
1.77				
19.2000	1.76	1.75	1.73	1.72
1.70				
19.4500	1.69	1.68	1.66	1.65
1.64				
19.7000	1.62	1.61	1.59	1.58
1.57				
19.9500	1.55	1.54	1.53	1.51
1.50				
20.2000	1.49	1.48	1.48	1.47
1.47				

20.4500	1.46	1.46	1.46	1.45
1.45				
20.7000	1.45	1.45	1.44	1.44
1.44				
20.9500	1.44	1.43	1.43	1.43
1.42				
21.2000	1.42	1.42	1.42	1.41
1.41				
21.4500	1.41	1.41	1.40	1.40
1.40				
21.7000	1.40	1.39	1.39	1.39
1.39				
21.9500	1.38	1.38	1.38	1.38
1.37				
22.2000	1.37	1.37	1.36	1.36
1.36				
22.4500	1.36	1.35	1.35	1.35
1.35				
22.7000	1.34	1.34	1.34	1.34
1.33				
22.9500	1.33	1.33	1.33	1.32
1.32				
23.2000	1.32	1.31	1.31	1.31
1.31				
23.4500	1.30	1.30	1.30	1.30
1.29				
23.7000	1.29	1.29	1.29	1.28
1.28				
23.9500	1.28	1.27	1.24	1.13
.95				
24.2000	.72	.51	.34	.23
.15				
24.4500	.10	.07	.05	.03
.02				
24.7000	.01	.01	.00	.00
.00				
24.9500	.00			

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS1 15
Tc = .4544 hrs
Drainage Area = 60.800 acres Runoff CN= 90

==========
Computational Time Increment = .06059 hrs
Computed Peak Time = 12.1181 hrs
Computed Peak Flow = 216.28 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 215.37 cfs
==========

DRAINAGE AREA

ID:BYPASS1
CN = 90
Area = 60.800 acres
S = 1.1111 in
0.2S = .2222 in

Cumulative Runoff

4.0694 in
898138 cu.ft

HYG Volume... 898134 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .45443 hrs (ID: BYPASS1)
Computational Incr, Tm = .06059 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 151.60 cfs
Unit peak time Tp = .30295 hrs
Unit receding limb, Tr = 1.21181 hrs
Total unit time, Tb = 1.51476 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS1 15
Tc = .4544 hrs
Drainage Area = 60.800 acres Runoff CN= 90
Calc.Increment= .06059 hrs Out.Incr.= .0500 hrs
HYG Volume = 898134 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
3.7000	.00	.00	.01	.01 .02
3.9500	.03	.05	.07	.09 .11
4.2000	.14	.16	.19	.21 .24
4.4500	.27	.30	.33	.36 .39
4.7000	.42	.45	.48	.51 .54
4.9500	.57	.61	.64	.67 .70
5.2000	.74	.77	.81	.84 .87
5.4500	.91	.94	.98	1.01 1.05
5.7000	1.09	1.12	1.16	1.20 1.23
5.9500	1.27	1.31	1.34	1.38 1.42
6.2000	1.46	1.49	1.53	1.57 1.61
6.4500	1.65	1.69	1.73	1.77 1.81

6.7000	1.84	1.88	1.92	1.96	2.00
6.9500	2.05	2.09	2.13	2.17	2.21
7.2000	2.25	2.29	2.33	2.37	2.41
7.4500	2.46	2.50	2.54	2.58	2.62
7.7000	2.67	2.71	2.75	2.79	2.84
7.9500	2.88	2.92	2.96	3.01	3.06
8.2000	3.11	3.17	3.24	3.31	3.39
8.4500	3.48	3.57	3.67	3.77	3.88
8.7000	3.99	4.10	4.21	4.33	4.44
8.9500	4.56	4.68	4.80	4.93	5.05
9.2000	5.16	5.26	5.36	5.45	5.52
9.4500	5.59	5.66	5.72	5.78	5.84
9.7000	5.92	6.00	6.11	6.23	6.37
9.9500	6.52	6.68	6.86	7.05	7.24
10.2000	7.45	7.67	7.91	8.16	8.42
10.4500	8.70	8.98	9.28	9.58	9.90
10.7000	10.25	10.61	11.00	11.42	11.86
10.9500	12.33	12.81	13.32	13.85	14.43

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.2000	15.08	15.81	16.62	17.51	18.49
11.4500	19.55	20.74	22.32	24.73	28.55
11.7000	34.47	43.83	57.78	77.18	102.07
11.9500	131.69	164.23	192.68	210.51	215.37
12.2000	207.84	190.46	167.06	142.66	120.55
12.4500	102.02	87.08	75.04	65.25	57.19
12.7000	50.45	44.82	40.15	36.29	33.21
12.9500	30.68	28.53	26.69	25.10	23.70
13.2000	22.48	21.39	20.42	19.56	18.82
13.4500	18.18	17.64	17.13	16.65	16.18
13.7000	15.74	15.33	14.93	14.56	14.20
13.9500	13.85	13.52	13.20	12.88	12.59
14.2000	12.31	12.05	11.82	11.61	11.43
14.4500	11.26	11.10	10.96	10.83	10.70
14.7000	10.58	10.47	10.35	10.24	10.13
14.9500	10.02	9.91	9.81	9.70	9.59
15.2000	9.49	9.38	9.28	9.17	9.06
15.4500	8.96	8.85	8.75	8.64	8.54
15.7000	8.43	8.32	8.22	8.11	8.01
15.9500	7.90	7.79	7.69	7.59	7.49

16.2000	7.39	7.30	7.22	7.15
7.09				
16.4500	7.03	6.97	6.92	6.88
6.83				
16.7000	6.79	6.75	6.71	6.67
6.63				
16.9500	6.59	6.55	6.51	6.47
6.44				
17.2000	6.40	6.36	6.32	6.28
6.25				
17.4500	6.21	6.17	6.13	6.10
6.06				
17.7000	6.02	5.98	5.94	5.91
5.87				
17.9500	5.83	5.79	5.75	5.72
5.68				
18.2000	5.64	5.60	5.56	5.53
5.49				
18.4500	5.45	5.41	5.37	5.34
5.30				
18.7000	5.26	5.22	5.18	5.15
5.11				
18.9500	5.07	5.03	4.99	4.96
4.92				
19.2000	4.88	4.84	4.80	4.77
4.73				
19.4500	4.69	4.65	4.61	4.58
4.54				
19.7000	4.50	4.46	4.42	4.38
4.35				
19.9500	4.31	4.27	4.23	4.20
4.16				
20.2000	4.13	4.10	4.07	4.05
4.03				
20.4500	4.01	4.00	3.98	3.97
3.96				
20.7000	3.95	3.94	3.93	3.92
3.92				
20.9500	3.91	3.90	3.89	3.88
3.88				
21.2000	3.87	3.86	3.85	3.85
3.84				
21.4500	3.83	3.82	3.82	3.81
3.80				
21.7000	3.79	3.79	3.78	3.77
3.76				
21.9500	3.75	3.75	3.74	3.73
3.72				
22.2000	3.72	3.71	3.70	3.69
3.69				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.4500	3.68	3.67	3.66	3.66	3.65
22.7000	3.64	3.63	3.63	3.62	3.61
22.9500	3.60	3.60	3.59	3.58	3.57
23.2000	3.57	3.56	3.55	3.54	3.54
23.4500	3.53	3.52	3.51	3.51	3.50
23.7000	3.49	3.48	3.48	3.47	3.46
23.9500	3.45	3.44	3.39	3.27	3.05
24.2000	2.72	2.33	1.91	1.51	1.17
24.4500	.89	.67	.51	.39	.30
24.7000	.23	.17	.13	.10	.07
24.9500	.06	.04	.03	.02	.02
25.2000	.01	.01	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS1 25
Tc = .4544 hrs
Drainage Area = 60.800 acres Runoff CN= 90

==========
Computational Time Increment = .06059 hrs
Computed Peak Time = 12.1181 hrs
Computed Peak Flow = 240.91 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 239.77 cfs
==========

DRAINAGE AREA

ID:BYPASS1
CN = 90
Area = 60.800 acres
S = 1.1111 in
0.2S = .2222 in

Cumulative Runoff

4.5540 in
1005094 cu.ft

HYG Volume... 1005090 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .45443 hrs (ID: BYPASS1)
Computational Incr, Tm = .06059 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 151.60 cfs
Unit peak time Tp = .30295 hrs
Unit receding limb, Tr = 1.21181 hrs
Total unit time, Tb = 1.51476 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS1 25
Tc = .4544 hrs
Drainage Area = 60.800 acres Runoff CN= 90
Calc.Increment= .06059 hrs Out.Incr.= .0500 hrs
HYG Volume = 1005090 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
3.4000	.00	.00	.00	.01	.02
3.6500	.03	.05	.07	.09	.12
3.9000	.14	.17	.20	.23	.26
4.1500	.29	.32	.35	.39	.42
4.4000	.45	.49	.52	.56	.59
4.6500	.63	.66	.70	.73	.77
4.9000	.81	.85	.88	.92	.96
5.1500	1.00	1.04	1.07	1.11	1.15
5.4000	1.19	1.23	1.27	1.31	1.35
5.6500	1.39	1.44	1.48	1.52	1.56
5.9000	1.60	1.64	1.69	1.73	1.77
6.1500	1.82	1.86	1.90	1.95	1.99

6.4000	2.03	2.08	2.12	2.17	2.21
6.6500	2.25	2.30	2.34	2.39	2.43
6.9000	2.48	2.53	2.57	2.62	2.66
7.1500	2.71	2.75	2.80	2.85	2.89
7.4000	2.94	2.99	3.03	3.08	3.13
7.6500	3.17	3.22	3.27	3.32	3.36
7.9000	3.41	3.46	3.51	3.56	3.61
8.1500	3.66	3.72	3.79	3.86	3.95
8.4000	4.04	4.14	4.25	4.36	4.48
8.6500	4.60	4.72	4.85	4.98	5.11
8.9000	5.24	5.38	5.52	5.66	5.79
9.1500	5.93	6.06	6.17	6.28	6.38
9.4000	6.47	6.54	6.61	6.68	6.74
9.6500	6.81	6.89	6.99	7.11	7.24
9.9000	7.40	7.57	7.76	7.95	8.16
10.1500	8.39	8.62	8.87	9.14	9.42
10.4000	9.72	10.03	10.35	10.68	11.03
10.6500	11.39	11.78	12.19	12.63	13.10

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.9000	13.59	14.12	14.66	15.23	15.84
11.1500	16.48	17.21	18.03	18.94	19.95
11.4000	21.04	22.23	23.57	25.34	28.04
11.6500	32.33	38.98	49.48	65.10	86.77
11.9000	114.51	147.44	183.53	214.99	234.59
12.1500	239.77	231.21	211.73	185.61	158.44
12.4000	133.83	113.22	96.60	83.21	72.32
12.6500	63.37	55.88	49.63	44.44	40.16
12.9000	36.74	33.93	31.55	29.51	27.74
13.1500	26.19	24.84	23.64	22.55	21.60
13.4000	20.78	20.08	19.48	18.92	18.38
13.6500	17.87	17.38	16.92	16.49	16.07
13.9000	15.68	15.29	14.92	14.57	14.22
14.1500	13.90	13.59	13.30	13.04	12.81
14.4000	12.61	12.43	12.26	12.10	11.95
14.6500	11.81	11.68	11.55	11.42	11.30
14.9000	11.18	11.06	10.94	10.82	10.70
15.1500	10.59	10.47	10.35	10.23	10.12
15.4000	10.00	9.88	9.77	9.65	9.53
15.6500	9.42	9.30	9.18	9.07	8.95

15.9000	8.83	8.71	8.60	8.48	8.37
16.1500	8.26	8.15	8.05	7.97	7.89
16.4000	7.82	7.75	7.69	7.64	7.58
16.6500	7.54	7.49	7.44	7.40	7.35
16.9000	7.31	7.27	7.22	7.18	7.14
17.1500	7.10	7.05	7.01	6.97	6.93
17.4000	6.89	6.85	6.80	6.76	6.72
17.6500	6.68	6.64	6.60	6.55	6.51
17.9000	6.47	6.43	6.39	6.34	6.30
18.1500	6.26	6.22	6.18	6.13	6.09
18.4000	6.05	6.01	5.97	5.93	5.88
18.6500	5.84	5.80	5.76	5.72	5.67
18.9000	5.63	5.59	5.55	5.51	5.46
19.1500	5.42	5.38	5.34	5.30	5.25
19.4000	5.21	5.17	5.13	5.09	5.04
19.6500	5.00	4.96	4.92	4.87	4.83
19.9000	4.79	4.75	4.71	4.66	4.62
20.1500	4.58	4.55	4.52	4.49	4.46
20.4000	4.44	4.42	4.40	4.39	4.38
20.6500	4.36	4.35	4.34	4.33	4.32
20.9000	4.31	4.31	4.30	4.29	4.28
21.1500	4.27	4.26	4.25	4.25	4.24
21.4000	4.23	4.22	4.21	4.20	4.20
21.6500	4.19	4.18	4.17	4.16	4.15
21.9000	4.15	4.14	4.13	4.12	4.11

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.1500	4.10	4.10	4.09	4.08	4.07
22.4000	4.06	4.05	4.05	4.04	4.03
22.6500	4.02	4.01	4.00	4.00	3.99
22.9000	3.98	3.97	3.96	3.95	3.95
23.1500	3.94	3.93	3.92	3.91	3.90
23.4000	3.90	3.89	3.88	3.87	3.86
23.6500	3.85	3.85	3.84	3.83	3.82
23.9000	3.81	3.80	3.79	3.74	3.61
24.1500	3.36	3.00	2.56	2.10	1.66
24.4000	1.28	.98	.74	.56	.43
24.6500	.33	.25	.19	.14	.11
24.9000	.08	.06	.05	.03	.02
25.1500	.02	.01	.01	.01	.00
25.4000	.00	.00			

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS1 100
Tc = .4544 hrs
Drainage Area = 60.800 acres Runoff CN= 90

==========
Computational Time Increment = .06059 hrs
Computed Peak Time = 12.1181 hrs
Computed Peak Flow = 304.67 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 302.90 cfs
==========

DRAINAGE AREA

ID:BYPASS1
CN = 90
Area = 60.800 acres
S = 1.1111 in
0.2S = .2222 in

Cumulative Runoff

5.8232 in
1285195 cu.ft

HYG Volume... 1285189 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .45443 hrs (ID: BYPASS1)
Computational Incr, Tm = .06059 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 151.60 cfs
Unit peak time Tp = .30295 hrs
Unit receding limb, Tr = 1.21181 hrs
Total unit time, Tb = 1.51476 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS1 100
Tc = .4544 hrs
Drainage Area = 60.800 acres Runoff CN= 90
Calc.Increment= .06059 hrs Out.Incr.= .0500 hrs
HYG Volume = 1285189 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
2.8500	.00	.00	.01	.01 .03
3.1000	.05	.07	.10	.13 .16
3.3500	.20	.24	.28	.32 .36
3.6000	.40	.45	.49	.53 .58
3.8500	.62	.66	.71	.75 .79
4.1000	.84	.88	.93	.97 1.02
4.3500	1.06	1.11	1.15	1.20 1.25
4.6000	1.30	1.35	1.40	1.45 1.50
4.8500	1.55	1.60	1.65	1.70 1.75
5.1000	1.80	1.85	1.91	1.96 2.01
5.3500	2.06	2.12	2.17	2.22 2.28
5.6000	2.33	2.39	2.44	2.50 2.55

5.8500	2.61	2.66	2.72	2.77
2.83				
6.1000	2.89	2.94	3.00	3.06
3.11				
6.3500	3.17	3.23	3.29	3.34
3.40				
6.6000	3.46	3.52	3.57	3.63
3.69				
6.8500	3.75	3.81	3.87	3.92
3.98				
7.1000	4.04	4.10	4.16	4.22
4.28				
7.3500	4.34	4.40	4.45	4.51
4.57				
7.6000	4.63	4.69	4.75	4.81
4.87				
7.8500	4.93	4.99	5.05	5.11
5.17				
8.1000	5.23	5.30	5.38	5.47
5.57				
8.3500	5.68	5.80	5.94	6.08
6.23				
8.6000	6.39	6.55	6.71	6.88
7.05				
8.8500	7.23	7.41	7.59	7.77
7.95				
9.1000	8.13	8.31	8.47	8.62
8.76				
9.3500	8.88	8.99	9.08	9.17
9.24				
9.6000	9.32	9.41	9.50	9.62
9.77				
9.8500	9.95	10.15	10.37	10.61
10.86				
10.1000	11.14	11.43	11.73	12.06
12.40				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.3500	12.77	13.15	13.56	13.97	14.40
10.6000	14.85	15.32	15.82	16.35	16.91
10.8500	17.52	18.16	18.83	19.53	20.26
11.1000	21.04	21.87	22.80	23.85	25.02
11.3500	26.31	27.72	29.24	30.95	33.22
11.6000	36.69	42.20	50.74	64.19	84.14
11.8500	111.68	146.77	188.25	233.53	272.74
12.1000	296.90	302.90	291.65	266.76	233.60
12.3500	199.25	168.18	142.17	121.22	104.33
12.6000	90.62	79.35	69.92	62.06	55.54
12.8500	50.17	45.87	42.35	39.36	36.80
13.1000	34.58	32.64	30.95	29.44	28.08
13.3500	26.89	25.87	24.99	24.24	23.54
13.6000	22.87	22.24	21.63	21.05	20.51
13.8500	19.99	19.50	19.02	18.56	18.12
14.1000	17.69	17.28	16.89	16.54	16.22
14.3500	15.93	15.68	15.45	15.23	15.04
14.6000	14.86	14.68	14.52	14.36	14.20
14.8500	14.04	13.89	13.74	13.59	13.45
15.1000	13.30	13.15	13.01	12.86	12.71

15.3500	12.57	12.42	12.28	12.13	11.99
15.6000	11.84	11.70	11.55	11.40	11.26
15.8500	11.11	10.97	10.82	10.68	10.53
16.1000	10.39	10.25	10.12	10.00	9.89
16.3500	9.79	9.70	9.62	9.55	9.48
16.6000	9.42	9.35	9.30	9.24	9.18
16.8500	9.13	9.07	9.02	8.97	8.91
17.1000	8.86	8.81	8.76	8.70	8.65
17.3500	8.60	8.55	8.50	8.44	8.39
17.6000	8.34	8.29	8.24	8.18	8.13
17.8500	8.08	8.03	7.97	7.92	7.87
18.1000	7.82	7.77	7.71	7.66	7.61
18.3500	7.56	7.51	7.45	7.40	7.35
18.6000	7.30	7.25	7.19	7.14	7.09
18.8500	7.04	6.98	6.93	6.88	6.83
19.1000	6.78	6.72	6.67	6.62	6.57
19.3500	6.51	6.46	6.41	6.36	6.31
19.6000	6.25	6.20	6.15	6.10	6.04
19.8500	5.99	5.94	5.89	5.84	5.78
20.1000	5.73	5.68	5.64	5.60	5.56
20.3500	5.53	5.50	5.48	5.46	5.44
20.6000	5.43	5.41	5.40	5.38	5.37
20.8500	5.36	5.35	5.34	5.33	5.32
21.1000	5.31	5.30	5.28	5.27	5.26
21.3500	5.25	5.24	5.23	5.22	5.21

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
21.6000	5.20	5.19	5.18	5.17 5.16
21.8500	5.15	5.14	5.13	5.12 5.11
22.1000	5.10	5.09	5.08	5.07 5.06
22.3500	5.05	5.04	5.03	5.01 5.00
22.6000	4.99	4.98	4.97	4.96 4.95
22.8500	4.94	4.93	4.92	4.91 4.90
23.1000	4.89	4.88	4.87	4.86 4.85
23.3500	4.84	4.83	4.82	4.81 4.80
23.6000	4.79	4.78	4.76	4.75 4.74
23.8500	4.73	4.72	4.71	4.70 4.63
24.1000	4.47	4.16	3.72	3.18 2.60
24.3500	2.06	1.59	1.21	.92 .70
24.6000	.53	.41	.31	.24 .18
24.8500	.13	.10	.08	.06 .04
25.1000	.03	.02	.02	.01 .01
25.3500	.00	.00	.00	

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS2 15
Tc = .4172 hrs
Drainage Area = 128.100 acres Runoff CN= 78

==========
Computational Time Increment = .05563 hrs
Computed Peak Time = 12.1266 hrs
Computed Peak Flow = 349.99 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 345.44 cfs
==========

DRAINAGE AREA

ID:BYPASS2
CN = 78
Area = 128.100 acres
S = 2.8205 in
0.2S = .5641 in

Cumulative Runoff

2.8823 in
1340274 cu.ft

HYG Volume... 1339369 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .41720 hrs (ID: BYPASS2)
Computational Incr, Tm = .05563 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 347.90 cfs
Unit peak time Tp = .27813 hrs
Unit receding limb, Tr = 1.11253 hrs
Total unit time, Tb = 1.39066 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS2 15
Tc = .4172 hrs
Drainage Area = 128.100 acres Runoff CN= 78
Calc.Increment= .05563 hrs Out.Incr.= .0500 hrs
HYG Volume = 1339369 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.5000	.00	.00	.01	.01	.03
7.7500	.05	.08	.12	.16	.20
8.0000	.25	.30	.36	.41	.47
8.2500	.53	.60	.66	.74	.81
8.5000	.89	.98	1.06	1.16	1.25
8.7500	1.35	1.45	1.56	1.67	1.78
9.0000	1.90	2.02	2.15	2.27	2.40
9.2500	2.52	2.64	2.75	2.86	2.97
9.5000	3.08	3.18	3.29	3.40	3.52
9.7500	3.65	3.80	3.95	4.12	4.31
10.0000	4.50	4.71	4.93	5.16	5.40
10.2500	5.66	5.93	6.22	6.53	6.86

10.5000	7.19	7.55	7.92	8.32	8.74
10.7500	9.19	9.68	10.20	10.76	11.35
11.0000	11.97	12.63	13.34	14.11	14.97
11.2500	15.94	17.03	18.24	19.57	21.02
11.5000	22.66	24.85	28.26	33.96	43.29
11.7500	57.65	78.53	108.66	151.12	204.68
12.0000	262.02	310.41	339.92	345.44	327.80
12.2500	293.51	252.17	211.91	177.78	151.07
12.5000	129.95	112.83	98.61	86.77	77.02
12.7500	68.99	62.44	57.14	52.90	49.37
13.0000	46.38	43.78	41.48	39.41	37.57
13.2500	35.97	34.61	33.45	32.46	31.54
13.5000	30.67	29.83	29.04	28.27	27.54
13.7500	26.85	26.19	25.56	24.96	24.38
14.0000	23.82	23.26	22.73	22.22	21.75
14.2500	21.32	20.94	20.60	20.30	20.03
14.5000	19.79	19.56	19.34	19.13	18.93
14.7500	18.74	18.54	18.36	18.17	17.98

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.0000	17.80	17.61	17.42	17.24	17.05
15.2500	16.87	16.69	16.50	16.32	16.13
15.5000	15.95	15.76	15.57	15.38	15.20
15.7500	15.01	14.82	14.64	14.45	14.26
16.0000	14.07	13.88	13.70	13.52	13.36
16.2500	13.20	13.07	12.95	12.84	12.75
16.5000	12.66	12.58	12.50	12.42	12.35
16.7500	12.28	12.21	12.14	12.07	12.01
17.0000	11.94	11.87	11.81	11.74	11.67
17.2500	11.61	11.54	11.47	11.41	11.34
17.5000	11.27	11.21	11.14	11.07	11.00
17.7500	10.94	10.87	10.80	10.74	10.67
18.0000	10.60	10.53	10.47	10.40	10.33
18.2500	10.26	10.19	10.13	10.06	9.99
18.5000	9.92	9.85	9.79	9.72	9.65
18.7500	9.58	9.51	9.44	9.38	9.31
19.0000	9.24	9.17	9.10	9.03	8.96
19.2500	8.89	8.83	8.76	8.69	8.62
19.5000	8.55	8.48	8.41	8.34	8.27
19.7500	8.20	8.13	8.06	8.00	7.93

20.0000	7.86	7.79	7.72	7.66
7.60				
20.2500	7.55	7.50	7.46	7.43
7.40				
20.5000	7.38	7.36	7.34	7.32
7.31				
20.7500	7.29	7.28	7.26	7.25
7.23				
21.0000	7.22	7.21	7.19	7.18
7.17				
21.2500	7.15	7.14	7.13	7.12
7.10				
21.5000	7.09	7.08	7.06	7.05
7.04				
21.7500	7.02	7.01	7.00	6.98
6.97				
22.0000	6.96	6.94	6.93	6.92
6.90				
22.2500	6.89	6.88	6.86	6.85
6.84				
22.5000	6.82	6.81	6.80	6.78
6.77				
22.7500	6.76	6.74	6.73	6.72
6.70				
23.0000	6.69	6.68	6.66	6.65
6.64				
23.2500	6.62	6.61	6.60	6.58
6.57				
23.5000	6.56	6.54	6.53	6.52
6.50				
23.7500	6.49	6.48	6.46	6.45
6.43				
24.0000	6.40	6.28	6.02	5.54
4.83				
24.2500	3.99	3.16	2.42	1.80
1.34				
24.5000	.99	.74	.55	.41
.30				
24.7500	.22	.16	.12	.09
.06				
25.0000	.05	.03	.02	.01
.01				
25.2500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS2 25
Tc = .4172 hrs
Drainage Area = 128.100 acres Runoff CN= 78

==========
Computational Time Increment = .05563 hrs
Computed Peak Time = 12.1266 hrs
Computed Peak Flow = 402.83 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 397.19 cfs
==========

DRAINAGE AREA

ID:BYPASS2
CN = 78
Area = 128.100 acres
S = 2.8205 in
0.2S = .5641 in

Cumulative Runoff

3.3152 in
1541598 cu.ft

HYG Volume... 1540566 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .41720 hrs (ID: BYPASS2)
Computational Incr, Tm = .05563 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 347.90 cfs
Unit peak time Tp = .27813 hrs
Unit receding limb, Tr = 1.11253 hrs
Total unit time, Tb = 1.39066 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS2 25
Tc = .4172 hrs
Drainage Area = 128.100 acres Runoff CN= 78
Calc.Increment= .05563 hrs Out.Incr.= .0500 hrs
HYG Volume = 1540566 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.0500	.00	.00	.01	.02	.04
7.3000	.07	.10	.14	.19	.24
7.5500	.29	.35	.41	.47	.53
7.8000	.59	.65	.72	.78	.85
8.0500	.92	.98	1.05	1.13	1.20
8.3000	1.29	1.37	1.47	1.56	1.67
8.5500	1.77	1.88	2.00	2.12	2.25
8.8000	2.38	2.51	2.65	2.79	2.93
9.0500	3.08	3.24	3.39	3.54	3.69
9.3000	3.83	3.96	4.09	4.22	4.34
9.5500	4.46	4.58	4.71	4.85	5.00
9.8000	5.17	5.36	5.56	5.78	6.02

10.0500	6.27	6.53	6.81	7.10	7.42
10.3000	7.75	8.10	8.47	8.86	9.27
10.5500	9.69	10.14	10.61	11.12	11.66
10.8000	12.24	12.87	13.53	14.23	14.97
11.0500	15.75	16.59	17.51	18.53	19.68
11.3000	20.96	22.39	23.97	25.68	27.62
11.5500	30.19	34.23	40.97	51.98	68.87
11.8000	93.31	128.36	177.40	238.84	304.20
12.0500	358.94	391.82	397.19	376.17	336.26
12.3000	288.49	242.15	202.93	172.25	148.02
12.5500	128.38	112.09	98.54	87.39	78.21
12.8000	70.74	64.69	59.85	55.82	52.41
13.0500	49.46	46.84	44.48	42.39	40.57
13.3000	39.03	37.72	36.60	35.55	34.56
13.5500	33.62	32.72	31.85	31.02	30.24
13.8000	29.49	28.78	28.11	27.45	26.81
14.0500	26.19	25.58	25.01	24.48	23.99
14.3000	23.56	23.18	22.84	22.54	22.26

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
14.5500	22.00	21.75	21.52	21.29	21.07
14.8000	20.85	20.64	20.43	20.21	20.01
15.0500	19.80	19.58	19.38	19.17	18.96
15.3000	18.75	18.54	18.33	18.12	17.91
15.5500	17.70	17.49	17.28	17.07	16.86
15.8000	16.65	16.44	16.23	16.01	15.80
16.0500	15.59	15.38	15.18	14.99	14.82
16.3000	14.67	14.54	14.42	14.31	14.21
16.5500	14.12	14.03	13.94	13.86	13.78
16.8000	13.70	13.63	13.55	13.47	13.40
17.0500	13.32	13.25	13.17	13.09	13.02
17.3000	12.94	12.87	12.80	12.72	12.64
17.5500	12.57	12.49	12.42	12.34	12.27
17.8000	12.19	12.11	12.04	11.96	11.89
18.0500	11.81	11.73	11.66	11.58	11.50
18.3000	11.43	11.35	11.28	11.20	11.12
18.5500	11.05	10.97	10.89	10.81	10.74
18.8000	10.66	10.58	10.51	10.43	10.35
19.0500	10.28	10.20	10.12	10.04	9.97
19.3000	9.89	9.81	9.73	9.66	9.58

19.5500	9.50	9.42	9.34	9.27	9.19
19.8000	9.11	9.03	8.96	8.88	8.80
20.0500	8.72	8.65	8.58	8.51	8.45
20.3000	8.40	8.36	8.32	8.29	8.27
20.5500	8.24	8.22	8.20	8.18	8.16
20.8000	8.15	8.13	8.12	8.10	8.09
21.0500	8.07	8.05	8.04	8.03	8.01
21.3000	7.99	7.98	7.97	7.95	7.94
21.5500	7.92	7.91	7.89	7.88	7.86
21.8000	7.85	7.83	7.82	7.80	7.79
22.0500	7.77	7.76	7.74	7.73	7.71
22.3000	7.70	7.68	7.67	7.65	7.64
22.5500	7.62	7.61	7.59	7.58	7.56
22.8000	7.55	7.53	7.52	7.50	7.49
23.0500	7.47	7.46	7.44	7.43	7.41
23.3000	7.39	7.38	7.36	7.35	7.33
23.5500	7.32	7.30	7.29	7.27	7.26
23.8000	7.24	7.23	7.21	7.20	7.16
24.0500	7.03	6.73	6.19	5.40	4.47
24.3000	3.54	2.70	2.02	1.50	1.11
24.5500	.83	.61	.45	.33	.25
24.8000	.18	.14	.10	.07	.05
25.0500	.04	.02	.02	.01	.00
25.3000	.00	.00			

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS2 100
Tc = .4172 hrs
Drainage Area = 128.100 acres Runoff CN= 78

==========
Computational Time Increment = .05563 hrs
Computed Peak Time = 12.1266 hrs
Computed Peak Flow = 542.52 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 533.90 cfs
WARNING: The difference between calculated peak flow and interpolated peak flow is greater than 1.50%
==========

DRAINAGE AREA

ID:BYPASS2
CN = 78
Area = 128.100 acres
S = 2.8205 in
0.2S = .5641 in

Cumulative Runoff

4.4748 in
2080805 cu.ft

HYG Volume... 2079438 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .41720 hrs (ID: BYPASS2)
Computational Incr, Tm = .05563 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak,	qp =	347.90 cfs
Unit peak time	Tp =	.27813 hrs
Unit receding limb,	Tr =	1.11253 hrs
Total unit time,	Tb =	1.39066 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS2 100
Tc = .4172 hrs
Drainage Area = 128.100 acres Runoff CN= 78
Calc.Increment= .05563 hrs Out.Incr.= .0500 hrs
HYG Volume = 2079438 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
6.0500	.00	.00	.01	.01 .03
6.3000	.06	.09	.14	.19 .25
6.5500	.32	.38	.45	.53 .60
6.8000	.68	.76	.83	.91 .99
7.0500	1.08	1.16	1.24	1.33 1.41
7.3000	1.50	1.58	1.67	1.76 1.84
7.5500	1.93	2.02	2.11	2.20 2.29
7.8000	2.39	2.48	2.57	2.66 2.76
8.0500	2.85	2.95	3.05	3.16 3.28
8.3000	3.41	3.54	3.69	3.85 4.01
8.5500	4.19	4.37	4.55	4.74 4.94
8.8000	5.15	5.35	5.57	5.79 6.01

9.0500	6.24	6.47	6.70	6.93	7.14
9.3000	7.34	7.53	7.71	7.87	8.03
9.5500	8.19	8.35	8.52	8.71	8.92
9.8000	9.16	9.43	9.73	10.06	10.40
10.0500	10.77	11.16	11.57	12.00	12.46
10.3000	12.95	13.47	14.01	14.58	15.18
10.5500	15.80	16.45	17.13	17.86	18.65
10.8000	19.49	20.39	21.34	22.35	23.40
11.0500	24.52	25.71	27.02	28.47	30.10
11.3000	31.93	33.96	36.18	38.60	41.33
11.5500	44.96	50.67	60.22	75.78	99.48
11.8000	133.46	181.63	248.05	330.23	416.58
12.0500	487.78	529.22	533.90	503.70	448.85
12.3000	384.05	321.60	268.97	227.84	195.37
12.5500	169.11	147.35	129.31	114.47	102.30
12.8000	92.38	84.37	77.96	72.64	68.13
13.0500	64.23	60.77	57.68	54.93	52.54
13.3000	50.53	48.81	47.35	45.98	44.69

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
13.5500	43.46	42.28	41.15	40.08	39.05
13.8000	38.08	37.16	36.28	35.43	34.59
14.0500	33.78	33.00	32.25	31.56	30.93
14.3000	30.36	29.87	29.43	29.04	28.67
14.5500	28.33	28.01	27.71	27.41	27.12
14.8000	26.84	26.56	26.28	26.01	25.74
15.0500	25.46	25.19	24.92	24.65	24.38
15.3000	24.11	23.84	23.57	23.29	23.02
15.5500	22.75	22.47	22.20	21.93	21.65
15.8000	21.38	21.11	20.84	20.56	20.29
16.0500	20.01	19.74	19.49	19.25	19.02
16.3000	18.83	18.65	18.50	18.36	18.23
16.5500	18.11	17.99	17.88	17.78	17.67
16.8000	17.57	17.47	17.37	17.27	17.17
17.0500	17.08	16.98	16.88	16.78	16.68
17.3000	16.59	16.49	16.39	16.30	16.20
17.5500	16.10	16.00	15.90	15.81	15.71
17.8000	15.61	15.51	15.41	15.32	15.22
18.0500	15.12	15.02	14.92	14.82	14.73
18.3000	14.63	14.53	14.43	14.33	14.23

18.5500	14.13	14.03	13.93	13.84	13.74
18.8000	13.64	13.54	13.44	13.34	13.24
19.0500	13.14	13.04	12.94	12.84	12.74
19.3000	12.64	12.54	12.45	12.35	12.24
19.5500	12.14	12.04	11.94	11.84	11.74
19.8000	11.65	11.55	11.44	11.34	11.24
20.0500	11.15	11.05	10.96	10.87	10.80
20.3000	10.73	10.68	10.63	10.59	10.56
20.5500	10.53	10.50	10.47	10.45	10.43
20.8000	10.41	10.38	10.36	10.34	10.32
21.0500	10.30	10.28	10.26	10.25	10.23
21.3000	10.21	10.19	10.17	10.15	10.13
21.5500	10.11	10.09	10.07	10.05	10.03
21.8000	10.01	9.99	9.97	9.95	9.94
22.0500	9.92	9.90	9.88	9.86	9.84
22.3000	9.82	9.80	9.78	9.76	9.74
22.5500	9.72	9.70	9.68	9.66	9.64
22.8000	9.62	9.60	9.58	9.57	9.55
23.0500	9.53	9.51	9.49	9.47	9.45
23.3000	9.43	9.41	9.39	9.37	9.35
23.5500	9.33	9.31	9.29	9.27	9.25
23.8000	9.23	9.21	9.19	9.17	9.12
24.0500	8.96	8.58	7.89	6.88	5.69
24.3000	4.51	3.45	2.57	1.91	1.42
24.5500	1.05	.78	.58	.43	.32

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
24.8000	.23	.17	.13	.09	.07
25.0500	.05	.03	.02	.01	.01
25.3000	.00	.00			

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS3 15
Tc = .4279 hrs
Drainage Area = 70.900 acres Runoff CN= 64

==========
Computational Time Increment = .05706 hrs
Computed Peak Time = 12.1529 hrs
Computed Peak Flow = 106.85 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 106.51 cfs
==========

DRAINAGE AREA

ID:BYPASS3
CN = 64
Area = 70.900 acres
S = 5.6250 in
0.2S = 1.1250 in

Cumulative Runoff

1.7119 in
440592 cu.ft

HYG Volume... 440781 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .42792 hrs (ID: BYPASS3)
Computational Incr, Tm = .05706 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 187.73 cfs
Unit peak time Tp = .28528 hrs
Unit receding limb, Tr = 1.14112 hrs
Total unit time, Tb = 1.42640 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS3 15
Tc = .4279 hrs
Drainage Area = 70.900 acres Runoff CN= 64
Calc.Increment= .05706 hrs Out.Incr.= .0500 hrs
HYG Volume = 440781 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.7500	.00	.00	.01	.03	.07
11.0000	.12	.20	.30	.42	.57
11.2500	.74	.94	1.17	1.44	1.73
11.5000	2.09	2.54	3.21	4.30	6.06
11.7500	9.10	14.13	22.26	34.22	50.17
12.0000	68.72	86.78	100.62	106.51	103.91
12.2500	95.71	84.64	72.94	62.25	53.42
12.5000	46.42	40.79	36.12	32.17	28.83
12.7500	26.05	23.75	21.85	20.29	19.01
13.0000	17.94	17.01	16.18	15.43	14.76
13.2500	14.15	13.62	13.16	12.78	12.43
13.5000	12.10	11.79	11.49	11.20	10.92

13.7500	10.66	10.41	10.17	9.95
9.72				
14.0000	9.51	9.30	9.09	8.90
8.72				
14.2500	8.55	8.41	8.28	8.16
8.06				
14.5000	7.96	7.87	7.79	7.71
7.64				
14.7500	7.57	7.49	7.42	7.35
7.28				
15.0000	7.21	7.14	7.07	7.00
6.93				
15.2500	6.86	6.79	6.72	6.65
6.58				
15.5000	6.51	6.43	6.36	6.29
6.22				
15.7500	6.14	6.07	6.00	5.92
5.85				
16.0000	5.77	5.70	5.63	5.56
5.49				
16.2500	5.43	5.38	5.33	5.29
5.25				
16.5000	5.22	5.18	5.15	5.13
5.10				
16.7500	5.07	5.04	5.02	4.99
4.96				
17.0000	4.94	4.91	4.89	4.86
4.84				
17.2500	4.81	4.79	4.76	4.73
4.71				
17.5000	4.68	4.66	4.63	4.60
4.58				
17.7500	4.55	4.53	4.50	4.47
4.45				
18.0000	4.42	4.39	4.37	4.34
4.31				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
18.2500	4.29	4.26	4.23	4.20 4.18
18.5000	4.15	4.12	4.10	4.07 4.04
18.7500	4.01	3.99	3.96	3.93 3.90
19.0000	3.88	3.85	3.82	3.79 3.77
19.2500	3.74	3.71	3.68	3.65 3.63
19.5000	3.60	3.57	3.54	3.51 3.49
19.7500	3.46	3.43	3.40	3.37 3.34
20.0000	3.32	3.29	3.26	3.23 3.21
20.2500	3.19	3.17	3.15	3.14 3.13
20.5000	3.12	3.11	3.10	3.10 3.09
20.7500	3.08	3.08	3.07	3.07 3.06
21.0000	3.06	3.05	3.05	3.04 3.04
21.2500	3.03	3.03	3.02	3.02 3.01
21.5000	3.01	3.00	3.00	2.99 2.99
21.7500	2.98	2.98	2.97	2.97 2.96
22.0000	2.96	2.95	2.95	2.94 2.94
22.2500	2.93	2.93	2.92	2.92 2.91
22.5000	2.91	2.90	2.90	2.89 2.89
22.7500	2.88	2.88	2.87	2.87 2.86
23.0000	2.86	2.85	2.84	2.84 2.83

23.2500	2.83	2.82	2.82	2.81
2.81				
23.5000	2.80	2.80	2.79	2.79
2.78				
23.7500	2.78	2.77	2.77	2.76
2.76				
24.0000	2.74	2.69	2.58	2.39
2.10				
24.2500	1.76	1.41	1.09	.82
.61				
24.5000	.46	.34	.26	.19
.14				
24.7500	.11	.08	.06	.04
.03				
25.0000	.02	.02	.01	.01
.00				
25.2500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS3 25
Tc = .4279 hrs
Drainage Area = 70.900 acres Runoff CN= 64

==========
Computational Time Increment = .05706 hrs
Computed Peak Time = 12.1529 hrs
Computed Peak Flow = 130.33 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 129.96 cfs
==========

DRAINAGE AREA

ID:BYPASS3
CN = 64
Area = 70.900 acres
S = 5.6250 in
0.2S = 1.1250 in

Cumulative Runoff

2.0520 in
528123 cu.ft

HYG Volume... 528347 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .42792 hrs (ID: BYPASS3)
Computational Incr, Tm = .05706 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 187.73 cfs
Unit peak time Tp = .28528 hrs
Unit receding limb, Tr = 1.14112 hrs
Total unit time, Tb = 1.42640 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS3 25
Tc = .4279 hrs
Drainage Area = 70.900 acres Runoff CN= 64
Calc.Increment= .05706 hrs Out.Incr.= .0500 hrs
HYG Volume = 528347 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.4000	.00	.00	.01	.02	.05
10.6500	.09	.15	.23	.32	.43
10.9000	.55	.68	.83	1.00	1.18
11.1500	1.39	1.61	1.86	2.15	2.47
11.4000	2.83	3.24	3.71	4.32	5.22
11.6500	6.68	9.04	13.05	19.52	29.75
11.9000	44.52	63.92	86.17	107.55	123.60
12.1500	129.96	126.17	115.77	102.04	87.69
12.4000	74.65	63.91	55.39	48.57	42.92
12.6500	38.14	34.13	30.79	28.02	25.75
12.9000	23.88	22.34	21.06	19.95	18.96
13.1500	18.07	17.27	16.55	15.92	15.38

13.4000	14.93	14.52	14.13	13.76	13.41
13.6500	13.06	12.74	12.43	12.14	11.86
13.9000	11.59	11.33	11.07	10.83	10.59
14.1500	10.36	10.14	9.95	9.78	9.63
14.4000	9.49	9.37	9.26	9.15	9.06
14.6500	8.97	8.88	8.79	8.71	8.62
14.9000	8.54	8.45	8.37	8.29	8.21
15.1500	8.13	8.04	7.96	7.88	7.79
15.4000	7.71	7.63	7.54	7.46	7.38
15.6500	7.29	7.21	7.12	7.04	6.95
15.9000	6.86	6.78	6.69	6.60	6.52
16.1500	6.44	6.36	6.29	6.23	6.17
16.4000	6.12	6.08	6.04	6.00	5.97
16.6500	5.93	5.90	5.87	5.84	5.80
16.9000	5.77	5.74	5.71	5.68	5.65
17.1500	5.62	5.59	5.56	5.53	5.50
17.4000	5.47	5.44	5.41	5.38	5.35
17.6500	5.32	5.29	5.26	5.23	5.20

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
17.9000	5.17	5.14	5.11	5.07
5.04				
18.1500	5.01	4.98	4.95	4.92
4.89				
18.4000	4.86	4.82	4.79	4.76
4.73				
18.6500	4.70	4.67	4.63	4.60
4.57				
18.9000	4.54	4.51	4.47	4.44
4.41				
19.1500	4.38	4.34	4.31	4.28
4.25				
19.4000	4.21	4.18	4.15	4.12
4.08				
19.6500	4.05	4.02	3.99	3.95
3.92				
19.9000	3.89	3.85	3.82	3.79
3.76				
20.1500	3.73	3.70	3.67	3.65
3.63				
20.4000	3.62	3.61	3.59	3.58
3.58				
20.6500	3.57	3.56	3.55	3.55
3.54				
20.9000	3.53	3.53	3.52	3.52
3.51				
21.1500	3.50	3.50	3.49	3.49
3.48				
21.4000	3.47	3.47	3.46	3.46
3.45				
21.6500	3.45	3.44	3.43	3.43
3.42				
21.9000	3.42	3.41	3.40	3.40
3.39				
22.1500	3.39	3.38	3.37	3.37
3.36				
22.4000	3.36	3.35	3.34	3.34
3.33				
22.6500	3.33	3.32	3.31	3.31
3.30				

22.9000	3.30	3.29	3.28	3.28
3.27				
23.1500	3.27	3.26	3.25	3.25
3.24				
23.4000	3.24	3.23	3.22	3.22
3.21				
23.6500	3.20	3.20	3.19	3.19
3.18				
23.9000	3.17	3.17	3.15	3.10
2.97				
24.1500	2.75	2.42	2.02	1.62
1.25				
24.4000	.94	.70	.53	.39
.29				
24.6500	.22	.16	.12	.09
.07				
24.9000	.05	.04	.03	.02
.01				
25.1500	.01	.01	.00	.00
.00				

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS3 100
Tc = .4279 hrs
Drainage Area = 70.900 acres Runoff CN= 64

==========
Computational Time Increment = .05706 hrs
Computed Peak Time = 12.1529 hrs
Computed Peak Flow = 195.38 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 194.95 cfs
==========

DRAINAGE AREA

ID:BYPASS3
CN = 64
Area = 70.900 acres
S = 5.6250 in
0.2S = 1.1250 in

Cumulative Runoff

3.0014 in
772451 cu.ft

HYG Volume... 772769 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .42792 hrs (ID: BYPASS3)
Computational Incr, Tm = .05706 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 187.73 cfs
Unit peak time Tp = .28528 hrs
Unit receding limb, Tr = 1.14112 hrs
Total unit time, Tb = 1.42640 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - BYPASS3 100
Tc = .4279 hrs
Drainage Area = 70.900 acres Runoff CN= 64
Calc.Increment= .05706 hrs Out.Incr.= .0500 hrs
HYG Volume = 772769 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

9.4500	.00	.00	.00	.01	.03
9.7000	.05	.08	.13	.18	.24
9.9500	.30	.37	.45	.54	.63
10.2000	.72	.83	.94	1.06	1.19
10.4500	1.32	1.46	1.62	1.78	1.95
10.7000	2.14	2.34	2.55	2.78	3.03
10.9500	3.30	3.58	3.89	4.22	4.58
11.2000	4.98	5.43	5.94	6.51	7.14
11.4500	7.83	8.64	9.69	11.26	13.81
11.7000	17.88	24.67	35.26	51.42	74.04
11.9500	102.96	135.34	165.66	187.53	194.95
12.2000	187.67	171.02	149.87	128.14	108.58

12.4500	92.55	79.87	69.73	61.38	54.36
12.7000	48.48	43.59	39.55	36.25	33.54
12.9500	31.31	29.46	27.86	26.43	25.16
13.2000	24.00	22.97	22.08	21.32	20.68
13.4500	20.09	19.55	19.03	18.53	18.05
13.7000	17.59	17.16	16.75	16.35	15.98
13.9500	15.61	15.25	14.91	14.57	14.25
14.2000	13.95	13.69	13.44	13.23	13.04
14.4500	12.87	12.71	12.56	12.43	12.30
14.7000	12.17	12.05	11.93	11.81	11.70
14.9500	11.58	11.47	11.35	11.23	11.12
15.2000	11.00	10.89	10.77	10.66	10.54
15.4500	10.42	10.31	10.19	10.07	9.96
15.7000	9.84	9.72	9.60	9.48	9.36
15.9500	9.24	9.12	9.00	8.89	8.77
16.2000	8.67	8.57	8.49	8.41	8.34
16.4500	8.28	8.22	8.17	8.12	8.07
16.7000	8.03	7.98	7.94	7.89	7.85

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.9500	7.81	7.77	7.72	7.68
17.2000	7.60	7.56	7.51	7.47
17.4500	7.39	7.35	7.30	7.26
17.7000	7.18	7.13	7.09	7.05
17.9500	6.96	6.92	6.88	6.84
18.2000	6.75	6.71	6.66	6.62
18.4500	6.53	6.49	6.45	6.40
18.7000	6.32	6.27	6.23	6.18
18.9500	6.10	6.05	6.01	5.96
19.2000	5.88	5.83	5.79	5.74
19.4500	5.65	5.61	5.56	5.52
19.7000	5.43	5.39	5.34	5.30
19.9500	5.21	5.16	5.12	5.07
20.2000	4.99	4.96	4.93	4.90
20.4500	4.87	4.85	4.84	4.82
20.7000	4.80	4.79	4.78	4.77
20.9500	4.76	4.75	4.74	4.73
21.2000	4.72	4.71	4.70	4.69
21.4500	4.67	4.67	4.66	4.65
21.7000	4.63	4.63	4.62	4.61
4.60				

21.9500	4.59	4.58	4.58	4.57	4.56
22.2000	4.55	4.54	4.53	4.53	4.52
22.4500	4.51	4.50	4.49	4.48	4.48
22.7000	4.47	4.46	4.45	4.44	4.43
22.9500	4.42	4.42	4.41	4.40	4.39
23.2000	4.38	4.37	4.37	4.36	4.35
23.4500	4.34	4.33	4.32	4.31	4.31
23.7000	4.30	4.29	4.28	4.27	4.26
23.9500	4.25	4.23	4.16	3.99	3.69
24.2000	3.25	2.71	2.17	1.68	1.27
24.4500	.95	.71	.53	.40	.29
24.7000	.22	.16	.12	.09	.07
24.9500	.05	.04	.03	.02	.01
25.2000	.01	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE1 15
Tc = .3374 hrs
Drainage Area = 29.500 acres Runoff CN= 90

==========
Computational Time Increment = .04499 hrs
Computed Peak Time = 12.1016 hrs
Computed Peak Flow = 122.23 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1000 hrs
Peak Flow, Interpolated Output = 122.22 cfs
==========

DRAINAGE AREA

ID:OFFSITE1
CN = 90
Area = 29.500 acres
S = 1.1111 in
0.2S = .2222 in

Cumulative Runoff

4.0694 in
435774 cu.ft

HYG Volume... 436060 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .33741 hrs (ID: OFFSITE1)
Computational Incr, Tm = .04499 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 99.06 cfs
Unit peak time Tp = .22494 hrs
Unit receding limb, Tr = .89975 hrs
Total unit time, Tb = 1.12469 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE1 15
Tc = .3374 hrs
Drainage Area = 29.500 acres Runoff CN= 90
Calc.Increment= .04499 hrs Out.Incr.= .0500 hrs
HYG Volume = 436060 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

3.7000	.00	.00	.01	.01 .02
3.9500	.03	.04	.05	.06 .07
4.2000	.09	.10	.11	.13 .14
4.4500	.16	.17	.18	.20 .21
4.7000	.23	.24	.26	.28 .29
4.9500	.31	.32	.34	.36 .37
5.2000	.39	.40	.42	.44 .46
5.4500	.47	.49	.51	.52 .54
5.7000	.56	.58	.59	.61 .63
5.9500	.65	.67	.69	.70 .72
6.2000	.74	.76	.78	.80 .82
6.4500	.83	.85	.87	.89 .91

6.7000	.93	.95	.97	.99
1.01				
6.9500	1.03	1.05	1.07	1.09
1.11				
7.2000	1.13	1.15	1.17	1.19
1.21				
7.4500	1.23	1.25	1.27	1.29
1.31				
7.7000	1.33	1.35	1.37	1.39
1.41				
7.9500	1.43	1.46	1.48	1.50
1.53				
8.2000	1.55	1.59	1.63	1.67
1.72				
8.4500	1.77	1.82	1.87	1.92
1.97				
8.7000	2.03	2.09	2.14	2.20
2.26				
8.9500	2.32	2.38	2.44	2.50
2.56				
9.2000	2.61	2.65	2.69	2.72
2.75				
9.4500	2.78	2.81	2.83	2.86
2.89				
9.7000	2.94	2.99	3.05	3.13
3.21				
9.9500	3.29	3.38	3.48	3.58
3.69				
10.2000	3.80	3.92	4.04	4.18
4.32				
10.4500	4.46	4.61	4.76	4.92
5.09				
10.7000	5.27	5.47	5.68	5.90
6.14				
10.9500	6.39	6.64	6.91	7.19
7.51				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.2000	7.87	8.28	8.75	9.27	9.83
11.4500	10.41	11.06	11.99	13.55	16.43
11.7000	21.19	28.55	38.66	52.33	69.89
11.9500	90.03	108.73	120.53	122.22	112.32
12.2000	95.61	77.86	62.25	50.05	41.18
12.4500	34.58	29.45	25.41	22.21	19.62
12.7000	17.54	15.88	14.57	13.51	12.65
12.9500	11.92	11.31	10.80	10.36	9.97
13.2000	9.61	9.29	9.00	8.74	8.50
13.4500	8.27	8.05	7.83	7.62	7.42
13.7000	7.23	7.05	6.88	6.72	6.56
13.9500	6.40	6.25	6.11	5.96	5.83
14.2000	5.71	5.61	5.51	5.44	5.37
14.4500	5.30	5.24	5.18	5.13	5.07
14.7000	5.02	4.97	4.92	4.87	4.82
14.9500	4.76	4.71	4.66	4.61	4.56
15.2000	4.51	4.46	4.41	4.35	4.30
15.4500	4.25	4.20	4.15	4.10	4.05
15.7000	4.00	3.94	3.89	3.84	3.79
15.9500	3.74	3.69	3.64	3.59	3.54

16.2000	3.50	3.46	3.43	3.40	3.38
16.4500	3.35	3.33	3.31	3.29	3.27
16.7000	3.25	3.24	3.22	3.20	3.18
16.9500	3.16	3.14	3.12	3.11	3.09
17.2000	3.07	3.05	3.03	3.01	3.00
17.4500	2.98	2.96	2.94	2.92	2.91
17.7000	2.89	2.87	2.85	2.83	2.81
17.9500	2.79	2.78	2.76	2.74	2.72
18.2000	2.70	2.68	2.67	2.65	2.63
18.4500	2.61	2.59	2.57	2.56	2.54
18.7000	2.52	2.50	2.48	2.46	2.44
18.9500	2.43	2.41	2.39	2.37	2.35
19.2000	2.33	2.31	2.30	2.28	2.26
19.4500	2.24	2.22	2.20	2.19	2.17
19.7000	2.15	2.13	2.11	2.09	2.07
19.9500	2.06	2.04	2.02	2.00	1.99
20.2000	1.97	1.96	1.95	1.94	1.94
20.4500	1.93	1.92	1.92	1.92	1.91
20.7000	1.91	1.90	1.90	1.90	1.89
20.9500	1.89	1.88	1.88	1.88	1.87
21.2000	1.87	1.87	1.86	1.86	1.86
21.4500	1.85	1.85	1.84	1.84	1.84
21.7000	1.83	1.83	1.83	1.82	1.82
21.9500	1.82	1.81	1.81	1.80	1.80
22.2000	1.80	1.79	1.79	1.79	1.78

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.4500	1.78	1.77	1.77	1.77	1.76
22.7000	1.76	1.76	1.75	1.75	1.75
22.9500	1.74	1.74	1.73	1.73	1.73
23.2000	1.72	1.72	1.72	1.71	1.71
23.4500	1.71	1.70	1.70	1.69	1.69
23.7000	1.69	1.68	1.68	1.68	1.67
23.9500	1.67	1.66	1.62	1.51	1.31
24.2000	1.05	.78	.55	.38	.27
24.4500	.19	.13	.09	.06	.04
24.7000	.03	.02	.01	.01	.01
24.9500	.00	.00	.00		

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE1 25
Tc = .3374 hrs
Drainage Area = 29.500 acres Runoff CN= 90

==========
Computational Time Increment = .04499 hrs
Computed Peak Time = 12.1016 hrs
Computed Peak Flow = 135.96 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1000 hrs
Peak Flow, Interpolated Output = 135.95 cfs
==========

DRAINAGE AREA

ID:OFFSITE1
CN = 90
Area = 29.500 acres
S = 1.1111 in
0.2S = .2222 in

Cumulative Runoff

4.5540 in
487669 cu.ft

HYG Volume... 487984 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .33741 hrs (ID: OFFSITE1)
Computational Incr, Tm = .04499 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 99.06 cfs
Unit peak time Tp = .22494 hrs
Unit receding limb, Tr = .89975 hrs
Total unit time, Tb = 1.12469 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE1 25
Tc = .3374 hrs
Drainage Area = 29.500 acres Runoff CN= 90
Calc.Increment= .04499 hrs Out.Incr.= .0500 hrs
HYG Volume = 487984 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

3.4000	.00	.00	.00	.01	.02
3.6500	.03	.04	.05	.06	.08
3.9000	.09	.11	.12	.14	.15
4.1500	.17	.18	.20	.22	.23
4.4000	.25	.27	.28	.30	.32
4.6500	.34	.35	.37	.39	.41
4.9000	.43	.44	.46	.48	.50
5.1500	.52	.54	.56	.58	.59
5.4000	.61	.63	.65	.67	.69
5.6500	.71	.73	.75	.77	.79
5.9000	.82	.84	.86	.88	.90
6.1500	.92	.94	.96	.98	1.00

6.4000	1.03	1.05	1.07	1.09
1.11				
6.6500	1.13	1.16	1.18	1.20
1.22				
6.9000	1.24	1.27	1.29	1.31
1.33				
7.1500	1.36	1.38	1.40	1.42
1.45				
7.4000	1.47	1.49	1.51	1.54
1.56				
7.6500	1.58	1.61	1.63	1.65
1.67				
7.9000	1.70	1.72	1.74	1.77
1.79				
8.1500	1.82	1.86	1.90	1.94
1.99				
8.4000	2.04	2.10	2.15	2.21
2.27				
8.6500	2.34	2.40	2.46	2.53
2.60				
8.9000	2.66	2.73	2.80	2.87
2.94				
9.1500	3.00	3.06	3.11	3.15
3.19				
9.4000	3.22	3.25	3.27	3.30
3.33				
9.6500	3.37	3.42	3.48	3.55
3.63				
9.9000	3.72	3.82	3.92	4.03
4.14				
10.1500	4.26	4.39	4.52	4.67
4.82				
10.4000	4.97	5.14	5.30	5.48
5.66				
10.6500	5.85	6.05	6.27	6.51
6.76				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.9000	7.03	7.31	7.59	7.89	8.21
11.1500	8.57	8.97	9.44	9.96	10.54
11.4000	11.17	11.82	12.55	13.59	15.35
11.6500	18.58	23.93	32.19	43.50	58.75
11.9000	78.27	100.61	121.28	134.23	135.95
12.1500	124.84	106.19	86.43	69.07	55.51
12.4000	45.65	38.32	32.61	28.13	24.58
12.6500	21.71	19.40	17.56	16.10	14.94
12.9000	13.98	13.18	12.50	11.93	11.44
13.1500	11.01	10.62	10.26	9.94	9.65
13.4000	9.38	9.13	8.89	8.65	8.42
13.6500	8.20	7.99	7.78	7.60	7.41
13.9000	7.24	7.07	6.90	6.74	6.58
14.1500	6.44	6.30	6.19	6.09	6.00
14.4000	5.92	5.85	5.78	5.72	5.66
14.6500	5.60	5.54	5.48	5.43	5.37
14.9000	5.31	5.26	5.20	5.14	5.09
15.1500	5.03	4.97	4.92	4.86	4.80
15.4000	4.75	4.69	4.63	4.58	4.52
15.6500	4.46	4.41	4.35	4.29	4.24

15.9000	4.18	4.12	4.07	4.01
3.96				
16.1500	3.90	3.86	3.82	3.78
3.75				
16.4000	3.72	3.70	3.68	3.65
3.63				
16.6500	3.61	3.59	3.57	3.55
3.53				
16.9000	3.51	3.49	3.47	3.45
3.43				
17.1500	3.41	3.39	3.36	3.34
3.32				
17.4000	3.30	3.28	3.26	3.24
3.22				
17.6500	3.20	3.18	3.16	3.14
3.12				
17.9000	3.10	3.08	3.06	3.04
3.02				
18.1500	3.00	2.98	2.96	2.94
2.92				
18.4000	2.90	2.88	2.86	2.84
2.82				
18.6500	2.80	2.78	2.76	2.74
2.71				
18.9000	2.69	2.67	2.65	2.63
2.61				
19.1500	2.59	2.57	2.55	2.53
2.51				
19.4000	2.49	2.47	2.45	2.43
2.41				
19.6500	2.39	2.37	2.35	2.33
2.31				
19.9000	2.29	2.27	2.25	2.23
2.21				
20.1500	2.19	2.17	2.16	2.15
2.14				
20.4000	2.13	2.13	2.12	2.12
2.11				
20.6500	2.11	2.10	2.10	2.09
2.09				
20.9000	2.08	2.08	2.08	2.07
2.07				
21.1500	2.06	2.06	2.06	2.05
2.05				
21.4000	2.04	2.04	2.04	2.03
2.03				
21.6500	2.02	2.02	2.02	2.01
2.01				
21.9000	2.00	2.00	2.00	1.99
1.99				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.1500	1.98	1.98	1.98	1.97	1.97
22.4000	1.96	1.96	1.96	1.95	1.95
22.6500	1.94	1.94	1.94	1.93	1.93
22.9000	1.92	1.92	1.92	1.91	1.91
23.1500	1.90	1.90	1.89	1.89	1.89
23.4000	1.88	1.88	1.87	1.87	1.87
23.6500	1.86	1.86	1.85	1.85	1.85
23.9000	1.84	1.84	1.83	1.78	1.66
24.1500	1.44	1.15	.86	.61	.42
24.4000	.29	.20	.14	.10	.07
24.6500	.05	.03	.02	.01	.01
24.9000	.01	.00	.00	.00	

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE1 100
Tc = .3374 hrs
Drainage Area = 29.500 acres Runoff CN= 90

==========
Computational Time Increment = .04499 hrs
Computed Peak Time = 12.1016 hrs
Computed Peak Flow = 171.48 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1000 hrs
Peak Flow, Interpolated Output = 171.48 cfs
==========

DRAINAGE AREA

ID:OFFSITE1
CN = 90
Area = 29.500 acres
S = 1.1111 in
0.2S = .2222 in

Cumulative Runoff

5.8232 in
623573 cu.ft

HYG Volume... 623963 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .33741 hrs (ID: OFFSITE1)
Computational Incr, Tm = .04499 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 99.06 cfs
Unit peak time Tp = .22494 hrs
Unit receding limb, Tr = .89975 hrs
Total unit time, Tb = 1.12469 hrs

S/N:
PondPack Ver: Compute Time: Date:

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE1 100
Tc = .3374 hrs
Drainage Area = 29.500 acres Runoff CN= 90
Calc.Increment= .04499 hrs Out.Incr.= .0500 hrs
HYG Volume = 623963 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
2.8500	.00	.00	.01	.01
	.02			
3.1000	.04	.05	.07	.09
	.11			
3.3500	.13	.15	.17	.19
	.21			
3.6000	.23	.25	.28	.30
	.32			
3.8500	.34	.36	.38	.40
	.42			
4.1000	.45	.47	.49	.51
	.53			
4.3500	.56	.58	.60	.63
	.65			
4.6000	.67	.70	.72	.75
	.77			
4.8500	.79	.82	.84	.87
	.90			
5.1000	.92	.95	.97	1.00
	1.02			
5.3500	1.05	1.08	1.10	1.13
	1.15			
5.6000	1.18	1.21	1.23	1.26
	1.29			

5.8500	1.32	1.34	1.37	1.40
1.42				
6.1000	1.45	1.48	1.51	1.53
1.56				
6.3500	1.59	1.62	1.65	1.67
1.70				
6.6000	1.73	1.76	1.79	1.81
1.84				
6.8500	1.87	1.90	1.93	1.96
1.99				
7.1000	2.01	2.04	2.07	2.10
2.13				
7.3500	2.16	2.19	2.21	2.24
2.27				
7.6000	2.30	2.33	2.36	2.39
2.42				
7.8500	2.45	2.48	2.50	2.53
2.56				
8.1000	2.60	2.63	2.68	2.73
2.79				
8.3500	2.85	2.92	3.00	3.07
3.15				
8.6000	3.23	3.32	3.40	3.49
3.58				
8.8500	3.66	3.75	3.84	3.93
4.02				
9.1000	4.11	4.19	4.26	4.33
4.38				
9.3500	4.42	4.46	4.50	4.53
4.56				
9.6000	4.59	4.64	4.70	4.77
4.87				
9.8500	4.97	5.09	5.22	5.35
5.49				
10.1000	5.64	5.79	5.96	6.13
6.32				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.3500	6.52	6.72	6.93	7.15	7.37
10.6000	7.60	7.85	8.11	8.39	8.70
10.8500	9.03	9.37	9.73	10.09	10.47
11.1000	10.88	11.34	11.86	12.46	13.13
11.3500	13.88	14.68	15.51	16.45	17.78
11.6000	20.04	24.20	31.07	41.64	56.06
11.8500	75.39	100.01	128.01	153.76	169.69
12.1000	171.48	157.19	133.55	108.59	86.70
12.3500	69.63	57.22	47.98	40.81	35.17
12.6000	30.71	27.11	24.22	21.91	20.08
12.8500	18.62	17.42	16.41	15.57	14.86
13.1000	14.25	13.71	13.22	12.78	12.38
13.3500	12.01	11.68	11.36	11.06	10.76
13.6000	10.47	10.20	9.93	9.68	9.45
13.8500	9.22	9.00	8.79	8.59	8.38
14.1000	8.18	8.00	7.84	7.69	7.57
14.3500	7.46	7.36	7.27	7.19	7.11
14.6000	7.03	6.96	6.89	6.81	6.74
14.8500	6.67	6.60	6.53	6.46	6.39
15.1000	6.32	6.25	6.18	6.11	6.04

15.3500	5.97	5.90	5.83	5.75
5.68				
15.6000	5.61	5.54	5.47	5.40
5.33				
15.8500	5.26	5.19	5.12	5.05
4.98				
16.1000	4.91	4.85	4.79	4.74
4.70				
16.3500	4.66	4.62	4.59	4.56
4.53				
16.6000	4.51	4.48	4.45	4.43
4.40				
16.8500	4.38	4.35	4.33	4.30
4.28				
17.1000	4.25	4.23	4.20	4.18
4.15				
17.3500	4.13	4.10	4.07	4.05
4.02				
17.6000	4.00	3.97	3.95	3.92
3.90				
17.8500	3.87	3.85	3.82	3.80
3.77				
18.1000	3.75	3.72	3.70	3.67
3.65				
18.3500	3.62	3.60	3.57	3.54
3.52				
18.6000	3.49	3.47	3.44	3.42
3.39				
18.8500	3.37	3.34	3.32	3.29
3.27				
19.1000	3.24	3.22	3.19	3.16
3.14				
19.3500	3.11	3.09	3.06	3.04
3.01				
19.6000	2.99	2.96	2.94	2.91
2.89				
19.8500	2.86	2.84	2.81	2.78
2.76				
20.1000	2.74	2.71	2.69	2.68
2.66				
20.3500	2.65	2.64	2.64	2.63
2.62				
20.6000	2.62	2.61	2.61	2.60
2.60				
20.8500	2.59	2.58	2.58	2.57
2.57				
21.1000	2.56	2.56	2.55	2.55
2.54				
21.3500	2.54	2.53	2.53	2.52
2.52				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
21.6000	2.51	2.51	2.50	2.50
21.8500	2.49	2.48	2.48	2.47
22.1000	2.46	2.46	2.45	2.45
22.3500	2.44	2.43	2.43	2.42
22.6000	2.41	2.41	2.40	2.40
22.8500	2.39	2.38	2.38	2.37
23.1000	2.36	2.36	2.35	2.35
23.3500	2.34	2.33	2.33	2.32
23.6000	2.31	2.31	2.30	2.30
23.8500	2.29	2.28	2.28	2.26
24.1000	2.06	1.79	1.43	1.07
24.3500	.52	.36	.25	.18
24.6000	.08	.06	.04	.03
24.8500	.01	.01	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE2 15
Tc = .5542 hrs
Drainage Area = 29.000 acres Runoff CN= 87

==========
Computational Time Increment = .07390 hrs
Computed Peak Time = 12.1935 hrs
Computed Peak Flow = 85.92 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.2000 hrs
Peak Flow, Interpolated Output = 85.65 cfs
==========

DRAINAGE AREA

ID:OFFSITE2
CN = 87
Area = 29.000 acres
S = 1.4943 in
0.2S = .2989 in

Cumulative Runoff

3.7560 in
395396 cu.ft

HYG Volume... 395369 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .55425 hrs (ID: OFFSITE2)
Computational Incr, Tm = .07390 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 59.28 cfs
Unit peak time Tp = .36950 hrs
Unit receding limb, Tr = 1.47800 hrs
Total unit time, Tb = 1.84750 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE2 15
Tc = .5542 hrs
Drainage Area = 29.000 acres Runoff CN= 87
Calc.Increment= .07390 hrs Out.Incr.= .0500 hrs
HYG Volume = 395369 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
4.8000	.00	.00	.00	.01
5.0500	.02	.03	.03	.04
5.3000	.06	.08	.09	.10
5.5500	.12	.14	.15	.17
5.8000	.19	.21	.22	.24
6.0500	.27	.28	.30	.31
6.3000	.34	.36	.37	.39
6.5500	.42	.44	.45	.47
6.8000	.50	.52	.53	.55
7.0500	.59	.60	.62	.64
7.3000	.67	.69	.71	.72
7.5500	.76	.78	.80	.81

7.8000	.85	.87	.89	.91	.92
8.0500	.94	.96	.98	1.00	1.03
8.3000	1.05	1.08	1.11	1.14	1.17
8.5500	1.21	1.24	1.28	1.32	1.36
8.8000	1.41	1.45	1.50	1.54	1.59
9.0500	1.64	1.69	1.74	1.78	1.83
9.3000	1.87	1.91	1.95	1.99	2.02
9.5500	2.06	2.09	2.12	2.15	2.19
9.8000	2.23	2.27	2.32	2.38	2.44
10.0500	2.51	2.58	2.66	2.74	2.82
10.3000	2.91	3.01	3.11	3.22	3.33
10.5500	3.45	3.57	3.70	3.83	3.98
10.8000	4.13	4.29	4.47	4.65	4.84
11.0500	5.04	5.26	5.49	5.74	6.02
11.3000	6.32	6.67	7.04	7.44	7.93
11.5500	8.52	9.24	10.56	12.51	15.11
11.8000	19.82	26.11	33.98	44.58	55.86
12.0500	67.44	76.74	82.66	85.65	83.60

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
12.3000	78.94	72.55	64.60	56.80	49.39
12.5500	43.07	37.85	33.30	29.50	26.31
12.8000	23.49	21.11	19.16	17.44	15.99
13.0500	14.81	13.76	12.84	12.08	11.39
13.3000	10.78	10.27	9.79	9.36	8.98
13.5500	8.62	8.28	7.99	7.72	7.47
13.8000	7.26	7.06	6.88	6.70	6.53
14.0500	6.37	6.22	6.07	5.93	5.80
14.3000	5.68	5.57	5.46	5.37	5.29
14.5500	5.21	5.14	5.07	5.01	4.95
14.8000	4.89	4.84	4.78	4.73	4.68
15.0500	4.63	4.58	4.53	4.48	4.43
15.3000	4.38	4.33	4.28	4.23	4.18
15.5500	4.13	4.08	4.04	3.99	3.94
15.8000	3.89	3.84	3.79	3.74	3.69
16.0500	3.65	3.60	3.55	3.50	3.46
16.3000	3.42	3.38	3.35	3.32	3.29
16.5500	3.26	3.24	3.21	3.19	3.17
16.8000	3.15	3.13	3.11	3.09	3.07
17.0500	3.06	3.04	3.02	3.00	2.98

17.3000	2.97	2.95	2.93	2.91	2.90
17.5500	2.88	2.86	2.84	2.83	2.81
17.8000	2.79	2.77	2.76	2.74	2.72
18.0500	2.70	2.69	2.67	2.65	2.63
18.3000	2.62	2.60	2.58	2.56	2.55
18.5500	2.53	2.51	2.49	2.47	2.46
18.8000	2.44	2.42	2.40	2.39	2.37
19.0500	2.35	2.33	2.32	2.30	2.28
19.3000	2.26	2.25	2.23	2.21	2.19
19.5500	2.18	2.16	2.14	2.12	2.10
19.8000	2.09	2.07	2.05	2.03	2.02
20.0500	2.00	1.98	1.96	1.95	1.93
20.3000	1.92	1.91	1.89	1.89	1.88
20.5500	1.87	1.86	1.86	1.85	1.85
20.8000	1.84	1.84	1.83	1.83	1.82
21.0500	1.82	1.82	1.81	1.81	1.80
21.3000	1.80	1.80	1.79	1.79	1.79
21.5500	1.78	1.78	1.78	1.77	1.77
21.8000	1.77	1.76	1.76	1.76	1.75
22.0500	1.75	1.74	1.74	1.74	1.73
22.3000	1.73	1.73	1.72	1.72	1.72
22.5500	1.71	1.71	1.71	1.70	1.70
22.8000	1.70	1.69	1.69	1.69	1.68
23.0500	1.68	1.68	1.67	1.67	1.66
23.3000	1.66	1.66	1.65	1.65	1.65

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.5500	1.64	1.64	1.64	1.63	1.63
23.8000	1.63	1.62	1.62	1.62	1.61
24.0500	1.59	1.55	1.49	1.38	1.26
24.3000	1.10	.94	.79	.64	.52
24.5500	.41	.33	.26	.21	.17
24.8000	.14	.11	.09	.07	.05
25.0500	.04	.03	.03	.02	.02
25.3000	.01	.01	.01	.01	.00
25.5500	.00	.00	.00	.00	

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE2 25
Tc = .5542 hrs
Drainage Area = 29.000 acres Runoff CN= 87

==========
Computational Time Increment = .07390 hrs
Computed Peak Time = 12.1935 hrs
Computed Peak Flow = 96.43 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.2000 hrs
Peak Flow, Interpolated Output = 96.12 cfs
==========

DRAINAGE AREA

ID:OFFSITE2
CN = 87
Area = 29.000 acres
S = 1.4943 in
0.2S = .2989 in

Cumulative Runoff

4.2307 in
445366 cu.ft

HYG Volume... 445336 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .55425 hrs (ID: OFFSITE2)
Computational Incr, Tm = .07390 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 59.28 cfs
Unit peak time Tp = .36950 hrs
Unit receding limb, Tr = 1.47800 hrs
Total unit time, Tb = 1.84750 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE2 25
Tc = .5542 hrs
Drainage Area = 29.000 acres Runoff CN= 87
Calc.Increment= .07390 hrs Out.Incr.= .0500 hrs
HYG Volume = 445336 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
4.4500	.00	.00	.00	.01
4.7000	.02	.03	.03	.05
4.9500	.07	.08	.09	.11
5.2000	.13	.15	.16	.18
5.4500	.21	.22	.24	.26
5.7000	.29	.30	.32	.34
5.9500	.37	.39	.41	.42
6.2000	.46	.48	.49	.51
6.4500	.55	.57	.59	.60
6.7000	.64	.66	.68	.70
6.9500	.74	.76	.78	.80
7.2000	.83	.85	.87	.89

.01
.06
.12
.19
.27
.35
.44
.53
.62
.72
.82
.91

7.4500	.93	.96	.98	1.00	1.02
7.7000	1.04	1.06	1.08	1.10	1.12
7.9500	1.14	1.16	1.18	1.21	1.23
8.2000	1.25	1.28	1.31	1.34	1.37
8.4500	1.41	1.45	1.49	1.53	1.58
8.7000	1.62	1.67	1.72	1.78	1.83
8.9500	1.88	1.94	1.99	2.05	2.10
9.2000	2.16	2.21	2.26	2.31	2.35
9.4500	2.39	2.43	2.47	2.50	2.54
9.7000	2.57	2.61	2.66	2.71	2.77
9.9500	2.83	2.90	2.98	3.06	3.15
10.2000	3.24	3.34	3.44	3.55	3.67
10.4500	3.79	3.92	4.06	4.20	4.34
10.7000	4.50	4.66	4.83	5.02	5.22
10.9500	5.42	5.64	5.88	6.12	6.38
11.2000	6.67	6.99	7.33	7.72	8.14
11.4500	8.60	9.15	9.82	10.64	12.15
11.7000	14.36	17.30	22.63	29.72	38.58

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.9500	50.47	63.08	76.01	86.34	92.87
12.2000	96.12	93.73	88.43	81.21	72.27
12.4500	63.51	55.19	48.10	42.26	37.15
12.7000	32.90	29.34	26.18	23.51	21.33
12.9500	19.41	17.79	16.47	15.30	14.28
13.2000	13.43	12.66	11.97	11.40	10.87
13.4500	10.39	9.96	9.56	9.19	8.86
13.7000	8.56	8.28	8.05	7.83	7.62
13.9500	7.43	7.24	7.06	6.89	6.73
14.2000	6.57	6.43	6.29	6.17	6.05
14.4500	5.95	5.86	5.77	5.70	5.62
14.7000	5.55	5.49	5.42	5.36	5.30
14.9500	5.24	5.18	5.13	5.07	5.01
15.2000	4.96	4.90	4.85	4.79	4.74
15.4500	4.69	4.63	4.58	4.52	4.47
15.7000	4.42	4.36	4.31	4.25	4.20
15.9500	4.14	4.09	4.04	3.98	3.93
16.2000	3.88	3.83	3.79	3.74	3.71
16.4500	3.67	3.64	3.61	3.58	3.56
16.7000	3.53	3.51	3.49	3.46	3.44

16.9500	3.42	3.40	3.38	3.36
3.34				
17.2000	3.32	3.30	3.28	3.26
3.24				
17.4500	3.22	3.20	3.18	3.16
3.15				
17.7000	3.13	3.11	3.09	3.07
3.05				
17.9500	3.03	3.01	2.99	2.97
2.95				
18.2000	2.93	2.91	2.89	2.87
2.85				
18.4500	2.83	2.82	2.80	2.78
2.76				
18.7000	2.74	2.72	2.70	2.68
2.66				
18.9500	2.64	2.62	2.60	2.58
2.56				
19.2000	2.54	2.52	2.50	2.48
2.46				
19.4500	2.44	2.43	2.41	2.39
2.37				
19.7000	2.35	2.33	2.31	2.29
2.27				
19.9500	2.25	2.23	2.21	2.19
2.17				
20.2000	2.15	2.14	2.12	2.11
2.10				
20.4500	2.08	2.07	2.07	2.06
2.05				
20.7000	2.05	2.04	2.03	2.03
2.02				
20.9500	2.02	2.02	2.01	2.01
2.00				
21.2000	2.00	1.99	1.99	1.99
1.98				
21.4500	1.98	1.98	1.97	1.97
1.96				
21.7000	1.96	1.96	1.95	1.95
1.94				
21.9500	1.94	1.94	1.93	1.93
1.92				
22.2000	1.92	1.92	1.91	1.91
1.91				
22.4500	1.90	1.90	1.89	1.89
1.89				
22.7000	1.88	1.88	1.87	1.87
1.87				
22.9500	1.86	1.86	1.86	1.85
1.85				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.2000	1.84	1.84	1.84	1.83	1.83
23.4500	1.82	1.82	1.82	1.81	1.81
23.7000	1.80	1.80	1.80	1.79	1.79
23.9500	1.78	1.78	1.75	1.72	1.64
24.2000	1.53	1.39	1.22	1.04	.87
24.4500	.71	.57	.45	.36	.29
24.7000	.23	.19	.15	.12	.09
24.9500	.08	.06	.05	.04	.03
25.2000	.02	.02	.01	.01	.01
25.4500	.01	.00	.00	.00	.00
25.7000	.00				

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE2 100
Tc = .5542 hrs
Drainage Area = 29.000 acres Runoff CN= 87

==========
Computational Time Increment = .07390 hrs
Computed Peak Time = 12.1935 hrs
Computed Peak Flow = 123.72 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.2000 hrs
Peak Flow, Interpolated Output = 123.29 cfs
==========

DRAINAGE AREA

ID:OFFSITE2
CN = 87
Area = 29.000 acres
S = 1.4943 in
0.2S = .2989 in

Cumulative Runoff

5.4793 in
576810 cu.ft

HYG Volume... 576773 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .55425 hrs (ID: OFFSITE2)
Computational Incr, Tm = .07390 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 59.28 cfs
Unit peak time Tp = .36950 hrs
Unit receding limb, Tr = 1.47800 hrs
Total unit time, Tb = 1.84750 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - OFFSITE2 100
Tc = .5542 hrs
Drainage Area = 29.000 acres Runoff CN= 87
Calc.Increment= .07390 hrs Out.Incr.= .0500 hrs
HYG Volume = 576773 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
3.7000	.00	.00	.00	.01
3.9500	.02	.02	.03	.04
4.2000	.07	.08	.10	.11
4.4500	.15	.17	.18	.20
4.7000	.24	.26	.28	.30
4.9500	.34	.36	.38	.40
5.2000	.44	.46	.49	.51
5.4500	.55	.57	.60	.62
5.7000	.66	.69	.71	.73
5.9500	.78	.80	.83	.85
6.2000	.90	.92	.95	.97
6.4500	1.02	1.05	1.07	1.10

1.00
1.12

6.7000	1.15	1.17	1.20	1.22
1.25				
6.9500	1.27	1.30	1.33	1.35
1.38				
7.2000	1.40	1.43	1.46	1.48
1.51				
7.4500	1.54	1.56	1.59	1.62
1.64				
7.7000	1.67	1.70	1.73	1.75
1.78				
7.9500	1.81	1.83	1.86	1.89
1.92				
8.2000	1.95	1.99	2.02	2.07
2.11				
8.4500	2.16	2.22	2.27	2.34
2.40				
8.7000	2.46	2.53	2.60	2.67
2.74				
8.9500	2.82	2.89	2.97	3.05
3.12				
9.2000	3.20	3.27	3.33	3.39
3.45				
9.4500	3.50	3.55	3.60	3.64
3.68				
9.7000	3.73	3.78	3.84	3.91
3.98				
9.9500	4.07	4.16	4.26	4.37
4.49				
10.2000	4.61	4.74	4.88	5.02
5.18				
10.4500	5.34	5.51	5.69	5.88
6.07				
10.7000	6.28	6.50	6.73	6.97
7.23				
10.9500	7.51	7.80	8.10	8.42
8.76				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
11.2000	9.15	9.56	10.01	10.53	11.08
11.4500	11.67	12.40	13.28	14.35	16.32
11.7000	19.22	23.07	30.00	39.18	50.61
11.9500	65.83	81.90	98.31	111.29	119.40
12.2000	123.29	120.01	113.05	103.67	92.14
12.4500	80.90	70.22	61.15	53.68	47.15
12.7000	41.71	37.16	33.13	29.74	26.96
12.9500	24.51	22.44	20.77	19.27	17.98
13.2000	16.90	15.92	15.05	14.33	13.66
13.4500	13.04	12.51	12.00	11.53	11.11
13.7000	10.73	10.39	10.09	9.82	9.56
13.9500	9.31	9.08	8.85	8.63	8.43
14.2000	8.23	8.05	7.88	7.72	7.58
14.4500	7.46	7.34	7.23	7.13	7.04
14.7000	6.95	6.87	6.79	6.71	6.63
14.9500	6.56	6.49	6.42	6.34	6.27
15.2000	6.20	6.14	6.07	6.00	5.93
15.4500	5.86	5.79	5.72	5.66	5.59
15.7000	5.52	5.45	5.38	5.32	5.25
15.9500	5.18	5.11	5.05	4.98	4.91

16.2000	4.85	4.79	4.73	4.68
4.63				
16.4500	4.59	4.55	4.51	4.48
4.44				
16.7000	4.41	4.38	4.36	4.33
4.30				
16.9500	4.28	4.25	4.22	4.20
4.17				
17.2000	4.15	4.12	4.10	4.07
4.05				
17.4500	4.03	4.00	3.98	3.95
3.93				
17.7000	3.90	3.88	3.85	3.83
3.81				
17.9500	3.78	3.76	3.73	3.71
3.68				
18.2000	3.66	3.64	3.61	3.59
3.56				
18.4500	3.54	3.51	3.49	3.47
3.44				
18.7000	3.42	3.39	3.37	3.34
3.32				
18.9500	3.29	3.27	3.25	3.22
3.20				
19.2000	3.17	3.15	3.12	3.10
3.07				
19.4500	3.05	3.03	3.00	2.98
2.95				
19.7000	2.93	2.90	2.88	2.85
2.83				
19.9500	2.81	2.78	2.76	2.73
2.71				
20.2000	2.69	2.67	2.65	2.63
2.61				
20.4500	2.60	2.59	2.58	2.57
2.56				
20.7000	2.55	2.54	2.54	2.53
2.52				
20.9500	2.52	2.51	2.51	2.50
2.50				
21.2000	2.49	2.49	2.48	2.48
2.47				
21.4500	2.47	2.46	2.46	2.45
2.45				
21.7000	2.44	2.44	2.43	2.43
2.42				
21.9500	2.42	2.41	2.41	2.40
2.40				
22.2000	2.39	2.39	2.38	2.38
2.38				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.4500	2.37	2.37	2.36	2.36	2.35
22.7000	2.35	2.34	2.34	2.33	2.33
22.9500	2.32	2.32	2.31	2.31	2.30
23.2000	2.30	2.29	2.29	2.28	2.28
23.4500	2.27	2.27	2.26	2.26	2.25
23.7000	2.25	2.24	2.24	2.23	2.23
23.9500	2.22	2.21	2.19	2.14	2.05
24.2000	1.91	1.73	1.52	1.30	1.09
24.4500	.89	.72	.57	.45	.36
24.7000	.29	.23	.19	.15	.12
24.9500	.09	.08	.06	.05	.04
25.2000	.03	.02	.02	.01	.01
25.4500	.01	.01	.00	.00	.00
25.7000	.00				

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - ONSITE1 15
Tc = .4821 hrs
Drainage Area = 71.200 acres Runoff CN= 90

==========
Computational Time Increment = .06428 hrs
Computed Peak Time = 12.1492 hrs
Computed Peak Flow = 245.53 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 245.42 cfs
==========

DRAINAGE AREA

ID:ONSITE1
CN = 90
Area = 71.200 acres
S = 1.1111 in
0.2S = .2222 in

Cumulative Runoff

4.0694 in
1051767 cu.ft

HYG Volume... 1051818 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .48211 hrs (ID: ONSITE1)
Computational Incr, Tm = .06428 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 167.33 cfs
Unit peak time Tp = .32141 hrs
Unit receding limb, Tr = 1.28563 hrs
Total unit time, Tb = 1.60703 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - ONSITE1 15
Tc = .4821 hrs
Drainage Area = 71.200 acres Runoff CN= 90
Calc.Increment= .06428 hrs Out.Incr.= .0500 hrs
HYG Volume = 1051818 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
3.7000	.00	.00	.01	.01 .02
3.9500	.04	.05	.07	.10 .12
4.2000	.15	.18	.21	.24 .27
4.4500	.30	.33	.37	.40 .44
4.7000	.47	.51	.55	.58 .62
4.9500	.66	.69	.73	.77 .81
5.2000	.85	.89	.93	.97 1.01
5.4500	1.05	1.09	1.13	1.17 1.21
5.7000	1.25	1.30	1.34	1.38 1.42
5.9500	1.47	1.51	1.55	1.60 1.64
6.2000	1.69	1.73	1.78	1.82 1.87
6.4500	1.91	1.96	2.00	2.05 2.09

6.7000	2.14	2.19	2.23	2.28	2.33
6.9500	2.37	2.42	2.47	2.52	2.56
7.2000	2.61	2.66	2.71	2.76	2.81
7.4500	2.86	2.90	2.95	3.00	3.05
7.7000	3.10	3.15	3.20	3.25	3.30
7.9500	3.35	3.40	3.45	3.50	3.56
8.2000	3.62	3.69	3.76	3.84	3.94
8.4500	4.04	4.14	4.25	4.37	4.49
8.7000	4.62	4.75	4.88	5.01	5.15
8.9500	5.28	5.42	5.57	5.71	5.85
9.2000	5.98	6.11	6.22	6.33	6.42
9.4500	6.51	6.59	6.66	6.73	6.81
9.7000	6.89	6.99	7.11	7.24	7.40
9.9500	7.57	7.76	7.96	8.17	8.39
10.2000	8.63	8.89	9.16	9.44	9.74
10.4500	10.06	10.38	10.72	11.08	11.45
10.7000	11.84	12.26	12.70	13.18	13.68
10.9500	14.21	14.77	15.35	15.98	16.65

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.2000	17.38	18.18	19.11	20.13	21.24
11.4500	22.43	23.75	25.52	28.17	32.22
11.7000	38.25	48.70	63.69	84.16	110.62
11.9500	143.57	179.01	210.25	233.51	245.42
12.2000	239.38	223.44	201.09	175.36	150.05
12.4500	128.19	109.87	94.79	82.31	72.36
12.7000	63.83	56.59	50.51	45.55	41.55
12.9500	38.16	35.29	32.84	30.82	29.04
13.2000	27.46	26.05	24.81	23.70	22.71
13.4500	21.82	21.05	20.39	19.80	19.24
13.7000	18.70	18.20	17.72	17.27	16.83
13.9500	16.41	16.02	15.63	15.26	14.91
14.2000	14.57	14.26	13.98	13.73	13.49
14.4500	13.29	13.10	12.93	12.77	12.61
14.7000	12.47	12.33	12.19	12.06	11.93
14.9500	11.80	11.67	11.54	11.42	11.29
15.2000	11.17	11.04	10.92	10.79	10.67
15.4500	10.55	10.42	10.30	10.17	10.05
15.7000	9.93	9.80	9.68	9.55	9.43
15.9500	9.31	9.18	9.06	8.94	8.82

16.2000	8.71	8.60	8.51	8.42	8.34
16.4500	8.27	8.20	8.14	8.08	8.03
16.7000	7.98	7.93	7.88	7.83	7.78
16.9500	7.74	7.69	7.65	7.60	7.56
17.2000	7.51	7.47	7.42	7.38	7.33
17.4500	7.29	7.25	7.20	7.16	7.11
17.7000	7.07	7.02	6.98	6.94	6.89
17.9500	6.85	6.80	6.76	6.71	6.67
18.2000	6.62	6.58	6.54	6.49	6.45
18.4500	6.40	6.36	6.31	6.27	6.22
18.7000	6.18	6.14	6.09	6.05	6.00
18.9500	5.96	5.91	5.87	5.82	5.78
19.2000	5.73	5.69	5.65	5.60	5.56
19.4500	5.51	5.47	5.42	5.38	5.33
19.7000	5.29	5.24	5.20	5.15	5.11
19.9500	5.06	5.02	4.98	4.93	4.89
20.2000	4.85	4.81	4.78	4.75	4.73
20.4500	4.71	4.69	4.67	4.66	4.65
20.7000	4.63	4.62	4.61	4.60	4.59
20.9500	4.58	4.57	4.56	4.55	4.54
21.2000	4.53	4.53	4.52	4.51	4.50
21.4500	4.49	4.48	4.47	4.46	4.45
21.7000	4.45	4.44	4.43	4.42	4.41
21.9500	4.40	4.39	4.38	4.37	4.37
22.2000	4.36	4.35	4.34	4.33	4.32

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.4500	4.31	4.30	4.30	4.29
4.28				
22.7000	4.27	4.26	4.25	4.24
4.23				
22.9500	4.22	4.22	4.21	4.20
4.19				
23.2000	4.18	4.17	4.16	4.15
4.14				
23.4500	4.14	4.13	4.12	4.11
4.10				
23.7000	4.09	4.08	4.07	4.06
4.06				
23.9500	4.05	4.02	3.97	3.85
3.61				
24.2000	3.28	2.86	2.40	1.96
1.55				
24.4500	1.21	.92	.71	.56
.43				
24.7000	.33	.25	.20	.15
.12				
24.9500	.09	.07	.05	.04
.03				
25.2000	.02	.02	.01	.01
.00				
25.4500	.00	.00		

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - ONSITE1 25
Tc = .4821 hrs
Drainage Area = 71.200 acres Runoff CN= 90

==========
Computational Time Increment = .06428 hrs
Computed Peak Time = 12.1492 hrs
Computed Peak Flow = 273.45 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 273.32 cfs
==========

DRAINAGE AREA

ID:ONSITE1
CN = 90
Area = 71.200 acres
S = 1.1111 in
0.2S = .2222 in

Cumulative Runoff

4.5540 in
1177018 cu.ft

HYG Volume... 1177074 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .48211 hrs (ID: ONSITE1)
Computational Incr, Tm = .06428 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 167.33 cfs
Unit peak time Tp = .32141 hrs
Unit receding limb, Tr = 1.28563 hrs
Total unit time, Tb = 1.60703 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - ONSITE1 25
Tc = .4821 hrs
Drainage Area = 71.200 acres Runoff CN= 90
Calc.Increment= .06428 hrs Out.Incr.= .0500 hrs
HYG Volume = 1177074 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

3.4000	.00	.00	.00	.01	.02
3.6500	.03	.05	.07	.10	.13
3.9000	.16	.19	.22	.26	.29
4.1500	.33	.36	.40	.44	.48
4.4000	.51	.55	.59	.63	.67
4.6500	.72	.76	.80	.84	.88
4.9000	.93	.97	1.01	1.06	1.10
5.1500	1.15	1.19	1.24	1.28	1.33
5.4000	1.38	1.42	1.47	1.52	1.56
5.6500	1.61	1.66	1.71	1.76	1.81
5.9000	1.85	1.90	1.95	2.00	2.05
6.1500	2.10	2.15	2.20	2.26	2.31

6.4000	2.36	2.41	2.46	2.51
2.57				
6.6500	2.62	2.67	2.72	2.78
2.83				
6.9000	2.88	2.93	2.99	3.04
3.09				
7.1500	3.15	3.20	3.26	3.31
3.37				
7.4000	3.42	3.47	3.53	3.58
3.64				
7.6500	3.69	3.75	3.80	3.86
3.92				
7.9000	3.97	4.03	4.08	4.14
4.20				
8.1500	4.26	4.33	4.40	4.49
4.59				
8.4000	4.69	4.81	4.93	5.06
5.19				
8.6500	5.33	5.47	5.62	5.77
5.92				
8.9000	6.08	6.23	6.39	6.55
6.71				
9.1500	6.87	7.02	7.17	7.29
7.41				
9.4000	7.52	7.61	7.70	7.78
7.86				
9.6500	7.94	8.03	8.14	8.28
8.43				
9.9000	8.60	8.79	9.00	9.23
9.47				
10.1500	9.72	9.99	10.28	10.58
10.90				
10.4000	11.25	11.60	11.97	12.35
12.75				
10.6500	13.17	13.61	14.08	14.58
15.12				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.9000	15.69	16.29	16.91	17.57	18.26
11.1500	19.02	19.84	20.74	21.78	22.93
11.4000	24.17	25.52	26.99	28.97	31.95
11.6500	36.50	43.27	55.00	71.77	94.64
11.9000	124.15	160.80	200.12	234.69	260.32
12.1500	273.32	266.38	248.49	223.51	194.80
12.4000	166.62	142.30	121.92	105.14	91.27
12.6500	80.21	70.73	62.68	55.93	50.42
12.9000	45.98	42.22	39.04	36.31	34.07
13.1500	32.10	30.35	28.79	27.41	26.19
13.4000	25.09	24.11	23.25	22.52	21.86
13.6500	21.24	20.65	20.09	19.57	19.07
13.9000	18.58	18.12	17.69	17.26	16.85
14.1500	16.46	16.09	15.75	15.43	15.15
14.4000	14.89	14.67	14.46	14.27	14.09
14.6500	13.92	13.76	13.60	13.45	13.30
14.9000	13.16	13.02	12.88	12.74	12.60
15.1500	12.46	12.32	12.18	12.05	11.91
15.4000	11.77	11.64	11.50	11.36	11.22
15.6500	11.09	10.95	10.81	10.68	10.54

15.9000	10.40	10.27	10.13	9.99	9.86
16.1500	9.73	9.60	9.49	9.38	9.28
16.4000	9.20	9.12	9.04	8.98	8.91
16.6500	8.85	8.80	8.74	8.69	8.64
16.9000	8.58	8.53	8.48	8.43	8.38
17.1500	8.33	8.28	8.23	8.19	8.14
17.4000	8.09	8.04	7.99	7.94	7.89
17.6500	7.84	7.79	7.74	7.70	7.65
17.9000	7.60	7.55	7.50	7.45	7.40
18.1500	7.35	7.30	7.25	7.21	7.16
18.4000	7.11	7.06	7.01	6.96	6.91
18.6500	6.86	6.81	6.76	6.71	6.67
18.9000	6.62	6.57	6.52	6.47	6.42
19.1500	6.37	6.32	6.27	6.22	6.17
19.4000	6.12	6.07	6.03	5.98	5.93
19.6500	5.88	5.83	5.78	5.73	5.68
19.9000	5.63	5.58	5.53	5.48	5.44
20.1500	5.39	5.35	5.31	5.27	5.24
20.4000	5.21	5.19	5.17	5.15	5.13
20.6500	5.12	5.11	5.09	5.08	5.07
20.9000	5.06	5.05	5.04	5.03	5.02
21.1500	5.01	5.00	4.99	4.98	4.97
21.4000	4.96	4.95	4.94	4.93	4.92
21.6500	4.91	4.90	4.89	4.88	4.87
21.9000	4.86	4.85	4.84	4.83	4.82

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.1500	4.81	4.80	4.79	4.78
4.77				
22.4000	4.76	4.75	4.74	4.73
4.72				
22.6500	4.71	4.70	4.69	4.68
4.67				
22.9000	4.66	4.65	4.64	4.63
4.62				
23.1500	4.61	4.61	4.60	4.59
4.58				
23.4000	4.57	4.56	4.55	4.54
4.53				
23.6500	4.52	4.51	4.50	4.49
4.48				
23.9000	4.47	4.46	4.43	4.38
4.25				
24.1500	3.98	3.61	3.15	2.65
2.16				
24.4000	1.71	1.33	1.02	.79
.61				
24.6500	.48	.37	.28	.22
.17				
24.9000	.13	.10	.08	.06
.04				
25.1500	.03	.02	.02	.01
.01				
25.4000	.00	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - ONSITE1 100
Tc = .4821 hrs
Drainage Area = 71.200 acres Runoff CN= 90

==========
Computational Time Increment = .06428 hrs
Computed Peak Time = 12.1492 hrs
Computed Peak Flow = 345.68 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.1500 hrs
Peak Flow, Interpolated Output = 345.52 cfs
==========

DRAINAGE AREA

ID:ONSITE1
CN = 90
Area = 71.200 acres
S = 1.1111 in
0.2S = .2222 in

Cumulative Runoff

5.8232 in
1505031 cu.ft

HYG Volume... 1505099 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = .48211 hrs (ID: ONSITE1)
Computational Incr, Tm = .06428 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 167.33 cfs
Unit peak time Tp = .32141 hrs
Unit receding limb, Tr = 1.28563 hrs
Total unit time, Tb = 1.60703 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - ONSITE1 100
Tc = .4821 hrs
Drainage Area = 71.200 acres Runoff CN= 90
Calc.Increment= .06428 hrs Out.Incr.= .0500 hrs
HYG Volume = 1505099 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
2.8500	.00	.00	.01	.02 .03
3.1000	.05	.07	.10	.14 .18
3.3500	.22	.26	.31	.36 .40
3.6000	.45	.50	.55	.60 .65
3.8500	.70	.75	.81	.86 .91
4.1000	.96	1.01	1.06	1.11 1.17
4.3500	1.22	1.27	1.33	1.38 1.44
4.6000	1.50	1.55	1.61	1.67 1.73
4.8500	1.78	1.84	1.90	1.96 2.02
5.1000	2.08	2.14	2.20	2.27 2.33
5.3500	2.39	2.45	2.52	2.58 2.64
5.6000	2.70	2.77	2.83	2.90 2.96

5.8500	3.03	3.09	3.16	3.22	3.29
6.1000	3.35	3.42	3.48	3.55	3.62
6.3500	3.68	3.75	3.82	3.89	3.95
6.6000	4.02	4.09	4.16	4.22	4.29
6.8500	4.36	4.43	4.50	4.57	4.63
7.1000	4.70	4.77	4.84	4.91	4.98
7.3500	5.05	5.12	5.19	5.26	5.33
7.6000	5.40	5.46	5.53	5.60	5.67
7.8500	5.74	5.81	5.88	5.95	6.03
8.1000	6.10	6.18	6.27	6.37	6.48
8.3500	6.60	6.74	6.90	7.06	7.23
8.6000	7.41	7.59	7.78	7.98	8.18
8.8500	8.38	8.59	8.79	9.01	9.22
9.1000	9.43	9.63	9.83	10.01	10.18
9.3500	10.33	10.46	10.58	10.68	10.77
9.6000	10.87	10.97	11.08	11.22	11.38
9.8500	11.57	11.79	12.05	12.32	12.61
10.1000	12.92	13.25	13.60	13.97	14.37

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.3500	14.79	15.23	15.69	16.17	16.66
10.6000	17.18	17.72	18.29	18.89	19.54
10.8500	20.23	20.97	21.73	22.54	23.38
11.1000	24.28	25.24	26.30	27.46	28.79
11.3500	30.26	31.85	33.58	35.46	38.01
11.6000	41.83	47.67	56.36	71.39	92.80
11.8500	121.88	159.26	205.47	254.80	297.96
12.1000	329.73	345.52	336.24	313.27	281.48
12.3500	245.10	209.48	178.78	153.07	131.91
12.6000	114.42	100.49	88.56	78.44	69.95
12.8500	63.02	57.44	52.72	48.72	45.30
13.1000	42.49	40.01	37.82	35.87	34.14
13.3500	32.61	31.23	30.01	28.94	28.03
13.6000	27.21	26.43	25.70	25.00	24.34
13.8500	23.72	23.12	22.54	22.00	21.47
14.1000	20.95	20.46	20.00	19.58	19.19
14.3500	18.83	18.51	18.23	17.98	17.74
14.6000	17.51	17.30	17.10	16.91	16.72
14.8500	16.53	16.35	16.17	16.00	15.82
15.1000	15.65	15.48	15.31	15.14	14.96

15.3500	14.79	14.62	14.45	14.28	14.11
15.6000	13.94	13.77	13.60	13.43	13.26
15.8500	13.09	12.92	12.75	12.58	12.41
16.1000	12.24	12.08	11.92	11.78	11.65
16.3500	11.53	11.42	11.32	11.23	11.14
16.6000	11.07	10.99	10.92	10.85	10.78
16.8500	10.72	10.65	10.59	10.53	10.47
17.1000	10.40	10.34	10.28	10.22	10.16
17.3500	10.10	10.04	9.98	9.91	9.85
17.6000	9.79	9.73	9.67	9.61	9.55
17.8500	9.49	9.43	9.37	9.31	9.24
18.1000	9.18	9.12	9.06	9.00	8.94
18.3500	8.88	8.82	8.76	8.70	8.63
18.6000	8.57	8.51	8.45	8.39	8.33
18.8500	8.27	8.21	8.15	8.08	8.02
19.1000	7.96	7.90	7.84	7.78	7.72
19.3500	7.66	7.59	7.53	7.47	7.41
19.6000	7.35	7.29	7.23	7.17	7.11
19.8500	7.04	6.98	6.92	6.86	6.80
20.1000	6.74	6.68	6.63	6.58	6.54
20.3500	6.50	6.46	6.43	6.41	6.39
20.6000	6.37	6.35	6.33	6.31	6.30
20.8500	6.29	6.27	6.26	6.24	6.23
21.1000	6.22	6.21	6.19	6.18	6.17
21.3500	6.16	6.14	6.13	6.12	6.11

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
21.6000	6.10	6.08	6.07	6.06 6.05
21.8500	6.04	6.02	6.01	6.00 5.99
22.1000	5.97	5.96	5.95	5.94 5.93
22.3500	5.91	5.90	5.89	5.88 5.87
22.6000	5.85	5.84	5.83	5.82 5.80
22.8500	5.79	5.78	5.77	5.76 5.74
23.1000	5.73	5.72	5.71	5.69 5.68
23.3500	5.67	5.66	5.65	5.63 5.62
23.6000	5.61	5.60	5.59	5.57 5.56
23.8500	5.55	5.54	5.52	5.49 5.42
24.1000	5.26	4.93	4.47	3.91 3.28
24.3500	2.67	2.12	1.65	1.26 .97
24.6000	.76	.59	.45	.35 .27
24.8500	.21	.16	.12	.09 .07
25.1000	.05	.04	.03	.02 .02
25.3500	.01	.01	.00	.00 .00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - SUBAREA1 15
Tc = 1.2240 hrs
Drainage Area = 708.000 acres Runoff CN= 76

==========
Computational Time Increment = .16320 hrs
Computed Peak Time = 12.5666 hrs
Computed Peak Flow = 857.99 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.6000 hrs
Peak Flow, Interpolated Output = 857.97 cfs
==========

DRAINAGE AREA

ID:SUBAREA1
CN = 76
Area = 708.000 acres
S = 3.1579 in
0.2S = .6316 in

Cumulative Runoff

2.7012 in
6942241 cu.ft

HYG Volume... 6942343 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = 1.22402 hrs (ID: SUBAREA1)
Computational Incr, Tm = .16320 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 655.38 cfs
Unit peak time Tp = .81601 hrs
Unit receding limb, Tr = 3.26404 hrs
Total unit time, Tb = 4.08005 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 15 year storm
Duration = 24.0000 hrs Rain Depth = 5.2000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - SUBAREA1 15
Tc = 1.2240 hrs
Drainage Area = 708.000 acres Runoff CN= 76
Calc.Increment= .16320 hrs Out.Incr.= .0500 hrs
HYG Volume = 6942343 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

8.0500	.00	.00	.00	.01	.02
8.3000	.02	.04	.07	.09	.13
8.5500	.20	.26	.33	.46	.58
8.8000	.71	.89	1.08	1.28	1.51
9.0500	1.79	2.06	2.35	2.70	3.04
9.3000	3.39	3.80	4.21	4.62	5.06
9.5500	5.52	5.97	6.45	6.95	7.44
9.8000	7.95	8.49	9.04	9.58	10.18
10.0500	10.79	11.40	12.07	12.77	13.47
10.3000	14.22	15.05	15.87	16.72	17.70
10.5500	18.68	19.66	20.81	21.99	23.17
10.8000	24.48	25.90	27.32	28.83	30.55

11.0500	32.27	34.01	36.16	38.30	40.44
11.3000	43.03	45.76	48.48	51.84	55.80
11.5500	59.76	64.96	73.83	82.70	91.56
11.8000	116.56	141.72	166.88	208.97	257.45
12.0500	305.93	363.47	431.57	499.67	566.51
12.3000	628.25	689.98	751.72	785.05	816.35
12.5500	847.65	857.97	857.94	857.91	848.58
12.8000	825.64	802.70	777.70	740.25	702.79
13.0500	665.34	628.00	590.68	553.35	521.05
13.3000	491.90	462.76	436.09	414.02	391.95
13.5500	370.27	352.63	334.99	317.35	302.74
13.8000	288.80	274.86	262.54	251.49	240.45
14.0500	230.02	221.10	212.18	203.31	196.19
14.3000	189.06	181.94	175.88	170.14	164.40
14.5500	159.21	154.57	149.93	145.51	141.77
14.8000	138.03	134.29	131.28	128.29	125.30
15.0500	122.70	120.28	117.85	115.60	113.56
15.3000	111.53	109.54	107.73	105.92	104.11

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.5500	102.41	100.72	99.03	97.43	95.88
15.8000	94.34	92.90	91.62	90.34	89.08
16.0500	87.96	86.84	85.72	84.66	83.60
16.3000	82.54	81.53	80.55	79.57	78.62
16.5500	77.74	76.85	75.97	75.18	74.40
16.8000	73.62	72.92	72.24	71.56	70.93
17.0500	70.33	69.74	69.17	68.65	68.13
17.3000	67.61	67.13	66.66	66.19	65.74
17.5500	65.30	64.86	64.44	64.02	63.61
17.8000	63.20	62.80	62.40	62.00	61.61
18.0500	61.23	60.84	60.46	60.08	59.70
18.3000	59.33	58.96	58.58	58.21	57.84
18.5500	57.47	57.10	56.73	56.37	56.00
18.8000	55.63	55.27	54.90	54.53	54.17
19.0500	53.80	53.44	53.07	52.71	52.34
19.3000	51.98	51.61	51.24	50.88	50.51
19.5500	50.15	49.78	49.41	49.05	48.68
19.8000	48.31	47.94	47.58	47.21	46.84
20.0500	46.48	46.11	45.75	45.38	45.02
20.3000	44.67	44.33	43.98	43.65	43.33

20.5500	43.01	42.72	42.44	42.15
41.89				
20.8000	41.65	41.42	41.19	40.99
40.80				
21.0500	40.60	40.44	40.28	40.12
39.97				
21.3000	39.84	39.71	39.58	39.46
39.34				
21.5500	39.23	39.13	39.02	38.92
38.82				
21.8000	38.73	38.64	38.55	38.46
38.37				
22.0500	38.29	38.21	38.12	38.04
37.96				
22.3000	37.88	37.81	37.73	37.65
37.58				
22.5500	37.50	37.43	37.35	37.28
37.20				
22.8000	37.13	37.06	36.98	36.91
36.84				
23.0500	36.77	36.70	36.62	36.55
36.48				
23.3000	36.41	36.33	36.26	36.19
36.12				
23.5500	36.05	35.98	35.91	35.84
35.76				
23.8000	35.69	35.62	35.55	35.48
35.38				
24.0500	35.16	34.94	34.72	34.21
33.68				
24.3000	33.14	32.26	31.20	30.13
28.90				
24.5500	27.42	25.93	24.43	22.83
21.23				
24.8000	19.63	18.12	16.63	15.13
13.78				
25.0500	12.52	11.26	10.12	9.21
8.30				
25.3000	7.40	6.76	6.13	5.49
5.00				
25.5500	4.54	4.08	3.69	3.36
3.02				
25.8000	2.71	2.47	2.23	1.99
1.82				
26.0500	1.64	1.47	1.33	1.20
1.08				
26.3000	.97	.88	.79	.71
.64				
26.5500	.58	.51	.46	.42
.37				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
26.8000	.33	.30	.26	.23 .21
27.0500	.18	.16	.14	.13 .11
27.3000	.09	.08	.07	.06 .05
27.5500	.04	.03	.02	.02 .01
27.8000	.01	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - SUBAREA1 25
Tc = 1.2240 hrs
Drainage Area = 708.000 acres Runoff CN= 76

==========
Computational Time Increment = .16320 hrs
Computed Peak Time = 12.5666 hrs
Computed Peak Flow = 997.72 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.6000 hrs
Peak Flow, Interpolated Output = 997.04 cfs
==========

DRAINAGE AREA

ID:SUBAREA1
CN = 76
Area = 708.000 acres
S = 3.1579 in
0.2S = .6316 in

Cumulative Runoff

3.1228 in
8025644 cu.ft

HYG Volume... 8025762 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = 1.22402 hrs (ID: SUBAREA1)
Computational Incr, Tm = .16320 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 655.38 cfs
Unit peak time Tp = .81601 hrs
Unit receding limb, Tr = 3.26404 hrs
Total unit time, Tb = 4.08005 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 25 year storm
Duration = 24.0000 hrs Rain Depth = 5.7000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - SUBAREA1 25
Tc = 1.2240 hrs
Drainage Area = 708.000 acres Runoff CN= 76
Calc.Increment= .16320 hrs Out.Incr.= .0500 hrs
HYG Volume = 8025762 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

7.5500	.00	.00	.00	.01	.01
7.8000	.02	.03	.06	.09	.11
8.0500	.17	.23	.29	.39	.50
8.3000	.61	.76	.93	1.10	1.29
8.5500	1.52	1.76	2.00	2.30	2.61
8.8000	2.91	3.27	3.65	4.02	4.43
9.0500	4.88	5.32	5.78	6.29	6.80
9.3000	7.31	7.87	8.43	8.99	9.58
9.5500	10.18	10.78	11.39	12.02	12.64
9.8000	13.28	13.95	14.62	15.30	16.03
10.0500	16.78	17.53	18.34	19.20	20.06
10.3000	20.97	21.98	22.99	24.02	25.22

10.5500	26.42	27.62	29.02	30.46	31.90
10.8000	33.50	35.23	36.96	38.80	40.89
11.0500	42.98	45.09	47.68	50.27	52.86
11.3000	55.99	59.27	62.55	66.59	71.34
11.5500	76.09	82.32	92.89	103.46	114.03
11.8000	143.38	172.92	202.46	251.54	307.99
12.0500	364.45	431.19	509.92	588.66	665.81
12.3000	736.55	807.30	878.04	915.63	950.86
12.5500	986.08	997.04	996.02	995.01	983.30
12.8000	955.92	928.54	898.82	854.94	811.05
13.0500	767.17	723.68	680.25	636.83	599.29
13.3000	565.47	531.64	500.70	475.12	449.53
13.5500	424.39	403.97	383.55	363.12	346.24
13.8000	330.13	314.01	299.77	287.02	274.27
14.0500	262.25	251.97	241.69	231.47	223.27
14.3000	215.07	206.88	199.91	193.31	186.72
14.5500	180.76	175.44	170.11	165.03	160.75
14.8000	156.46	152.17	148.72	145.30	141.87

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.0500	138.90	136.12	133.34	130.77	128.44
15.3000	126.12	123.84	121.77	119.70	117.62
15.5500	115.68	113.75	111.82	110.00	108.24
15.8000	106.47	104.83	103.38	101.93	100.50
16.0500	99.23	97.96	96.69	95.48	94.28
16.3000	93.09	91.94	90.83	89.72	88.64
16.5500	87.64	86.63	85.63	84.75	83.86
16.8000	82.98	82.18	81.41	80.64	79.92
17.0500	79.25	78.58	77.93	77.34	76.75
17.3000	76.16	75.62	75.09	74.55	74.05
17.5500	73.55	73.05	72.57	72.10	71.63
17.8000	71.16	70.71	70.26	69.81	69.37
18.0500	68.93	68.49	68.06	67.63	67.21
18.3000	66.78	66.36	65.93	65.51	65.10
18.5500	64.68	64.26	63.84	63.43	63.01
18.8000	62.60	62.18	61.77	61.35	60.94
19.0500	60.53	60.11	59.70	59.29	58.88
19.3000	58.46	58.05	57.64	57.22	56.81
19.5500	56.40	55.98	55.57	55.16	54.74
19.8000	54.33	53.91	53.50	53.08	52.67

20.0500	52.25	51.84	51.43	51.02
50.62				
20.3000	50.22	49.83	49.43	49.07
48.71				
20.5500	48.35	48.02	47.70	47.38
47.08				
20.8000	46.82	46.55	46.29	46.07
45.85				
21.0500	45.63	45.44	45.26	45.08
44.92				
21.3000	44.77	44.61	44.47	44.34
44.21				
21.5500	44.08	43.96	43.84	43.72
43.62				
21.8000	43.51	43.40	43.30	43.21
43.11				
22.0500	43.01	42.92	42.82	42.73
42.64				
22.3000	42.55	42.46	42.37	42.29
42.20				
22.5500	42.11	42.03	41.95	41.86
41.78				
22.8000	41.70	41.61	41.53	41.45
41.37				
23.0500	41.28	41.20	41.12	41.04
40.96				
23.3000	40.88	40.79	40.71	40.63
40.55				
23.5500	40.47	40.39	40.31	40.23
40.15				
23.8000	40.07	39.99	39.91	39.83
39.71				
24.0500	39.47	39.22	38.98	38.40
37.80				
24.3000	37.20	36.21	35.01	33.82
32.44				
24.5500	30.77	29.10	27.42	25.62
23.83				
24.8000	22.03	20.34	18.66	16.98
15.46				
25.0500	14.05	12.64	11.36	10.33
9.31				
25.3000	8.31	7.59	6.88	6.16
5.61				
25.5500	5.10	4.58	4.14	3.77
3.39				
25.8000	3.04	2.77	2.50	2.23
2.04				
26.0500	1.84	1.65	1.49	1.35
1.21				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
26.3000	1.09	.99	.89	.79 .72
26.5500	.65	.57	.52	.47 .42
26.8000	.37	.33	.30	.26 .23
27.0500	.21	.18	.16	.14 .12
27.3000	.11	.09	.08	.06 .05
27.5500	.04	.03	.03	.02 .01
27.8000	.01	.00	.00	.00

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - SUBAREA1 100
Tc = 1.2240 hrs
Drainage Area = 708.000 acres Runoff CN= 76

==========
Computational Time Increment = .16320 hrs
Computed Peak Time = 12.5666 hrs
Computed Peak Flow = 1370.90 cfs

Time Increment for HYG File = .0500 hrs
Peak Time, Interpolated Output = 12.6000 hrs
Peak Flow, Interpolated Output = 1368.25 cfs
==========

DRAINAGE AREA

ID:SUBAREA1
CN = 76
Area = 708.000 acres
S = 3.1579 in
0.2S = .6316 in

Cumulative Runoff

4.2573 in
10941540 cu.ft

HYG Volume... 10941700 cu.ft (area under HYG curve)

***** SCS UNIT HYDROGRAPH PARAMETERS *****

Time Concentration, Tc = 1.22402 hrs (ID: SUBAREA1)
Computational Incr, Tm = .16320 hrs = 0.20000 Tp

Unit Hyd. Shape Factor = 483.432 (37.46% under rising limb)
K = 483.43/645.333, K = .7491 (also, K = 2/(1+(Tr/Tp))
Receding/Rising, Tr/Tp = 1.6698 (solved from K = .7491)

Unit peak, qp = 655.38 cfs
Unit peak time Tp = .81601 hrs
Unit receding limb, Tr = 3.26404 hrs
Total unit time, Tb = 4.08005 hrs

SCS UNIT HYDROGRAPH METHOD

STORM EVENT: 100 year storm
Duration = 24.0000 hrs Rain Depth = 7.0000 in
Rain Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Rain File -ID = - TypeII 24hr
Unit Hyd Type = Default Curvilinear
HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
HYG File - ID = - SUBAREA1 100
Tc = 1.2240 hrs
Drainage Area = 708.000 acres Runoff CN= 76
Calc.Increment= .16320 hrs Out.Incr.= .0500 hrs
HYG Volume = 10941700 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
6.5500	.00	.00	.01	.01	.02
6.8000	.04	.05	.09	.13	.17
7.0500	.24	.33	.41	.53	.68
7.3000	.82	.98	1.19	1.41	1.62
7.5500	1.89	2.16	2.43	2.73	3.06
7.8000	3.38	3.72	4.08	4.44	4.81
8.0500	5.20	5.60	5.99	6.41	6.84
8.3000	7.27	7.73	8.20	8.67	9.16
8.5500	9.70	10.23	10.76	11.37	11.98
8.8000	12.59	13.26	13.95	14.64	15.38
9.0500	16.16	16.94	17.74	18.61	19.47
9.3000	20.33	21.24	22.16	23.07	24.00

9.5500	24.94	25.88	26.83	27.78	28.74
9.8000	29.70	30.70	31.70	32.69	33.78
10.0500	34.88	35.98	37.19	38.46	39.73
10.3000	41.09	42.60	44.10	45.64	47.43
10.5500	49.23	51.03	53.12	55.28	57.43
10.8000	59.83	62.40	64.98	67.72	70.82
11.0500	73.92	77.05	80.87	84.69	88.51
11.3000	93.10	97.90	102.70	108.60	115.52
11.5500	122.44	131.46	146.66	161.85	177.05
11.8000	218.10	259.42	300.74	368.49	446.24
12.0500	523.99	615.21	722.14	829.07	933.53
12.3000	1027.95	1122.36	1216.78	1265.34	1310.64
12.5500	1355.94	1368.25	1364.29	1360.33	1341.97
12.8000	1302.52	1263.07	1220.55	1159.40	1098.25
13.0500	1037.10	977.20	917.48	857.75	806.27
13.3000	759.98	713.69	671.36	636.42	601.48
13.5500	567.15	539.32	511.50	483.67	460.73
13.8000	438.85	416.97	397.65	380.38	363.11

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
14.0500	346.84	332.96	319.08	305.28	294.25
14.3000	283.22	272.18	262.82	253.97	245.11
14.5500	237.12	229.99	222.86	216.05	210.32
14.8000	204.59	198.85	194.25	189.68	185.11
15.0500	181.15	177.44	173.74	170.31	167.21
15.3000	164.12	161.09	158.33	155.58	152.82
15.5500	150.24	147.67	145.11	142.70	140.37
15.8000	138.04	135.88	133.97	132.07	130.19
16.0500	128.53	126.87	125.20	123.63	122.06
16.3000	120.50	119.00	117.55	116.10	114.69
16.5500	113.38	112.07	110.76	109.61	108.45
16.8000	107.29	106.25	105.25	104.24	103.30
17.0500	102.43	101.55	100.70	99.93	99.16
17.3000	98.38	97.68	96.98	96.28	95.62
17.5500	94.97	94.32	93.69	93.07	92.46
17.8000	91.85	91.26	90.67	90.08	89.51
18.0500	88.94	88.37	87.80	87.24	86.68
18.3000	86.13	85.58	85.03	84.48	83.93
18.5500	83.39	82.84	82.30	81.76	81.22
18.8000	80.68	80.14	79.60	79.06	78.52

19.0500	77.99	77.45	76.91	76.38	75.84
19.3000	75.30	74.77	74.23	73.70	73.16
19.5500	72.62	72.09	71.55	71.01	70.47
19.8000	69.94	69.40	68.86	68.33	67.79
20.0500	67.25	66.72	66.19	65.66	65.13
20.3000	64.62	64.11	63.60	63.13	62.66
20.5500	62.19	61.76	61.35	60.94	60.56
20.8000	60.21	59.86	59.53	59.24	58.95
21.0500	58.67	58.43	58.19	57.96	57.75
21.3000	57.55	57.35	57.16	56.99	56.82
21.5500	56.65	56.50	56.34	56.19	56.05
21.8000	55.91	55.77	55.64	55.51	55.38
22.0500	55.26	55.13	55.01	54.89	54.77
22.3000	54.66	54.54	54.42	54.31	54.20
22.5500	54.09	53.97	53.86	53.75	53.65
22.8000	53.54	53.43	53.32	53.21	53.11
23.0500	53.00	52.89	52.78	52.68	52.57
23.3000	52.46	52.36	52.25	52.15	52.04
23.5500	51.93	51.83	51.72	51.62	51.51
23.8000	51.41	51.30	51.20	51.09	50.95
24.0500	50.63	50.31	50.00	49.26	48.49
24.3000	47.72	46.44	44.91	43.38	41.60
24.5500	39.47	37.33	35.17	32.86	30.56
24.8000	28.25	26.08	23.93	21.78	19.83
25.0500	18.02	16.21	14.57	13.25	11.94

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
25.3000	10.65	9.74	8.82	7.90	7.19
25.5500	6.54	5.88	5.31	4.83	4.35
25.8000	3.90	3.55	3.21	2.86	2.61
26.0500	2.36	2.11	1.91	1.73	1.55
26.3000	1.40	1.27	1.14	1.02	.92
26.5500	.83	.74	.67	.60	.53
26.8000	.48	.43	.38	.34	.30
27.0500	.27	.23	.21	.18	.16
27.3000	.14	.12	.10	.08	.07
27.5500	.06	.04	.03	.02	.02
27.8000	.01	.01	.00	.00	

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CIRCULAR CROSS SECTION

Slope = .022000 ft/ft
Mannings n = 0.01300
Invert Elev. = 587.00 ft
Top of Channel = 592.50 ft
Diameter = 66.00 in

Elev. (ft)	Depth (ft)	Flow (cfs)	Vel. (ft/sec)	Area (sq.ft)	Top W. (ft)	Wet.P. (ft)	Hd (ft)	Froude No.
587.000	.00	.00	.00	.0000	.00	.00	.00	0.00
587.110	.11	.33	2.95	.1134	1.54	1.56	.07	1.92
587.220	.22	1.48	4.66	.3187	2.16	2.21	.15	2.13
587.330	.33	3.53	6.06	.5820	2.61	2.72	.22	2.26
587.440	.44	6.50	7.30	.8904	2.98	3.15	.30	2.35
587.550	.55	10.40	8.41	1.2364	3.30	3.54	.37	2.42
587.660	.66	15.23	9.43	1.6148	3.57	3.89	.45	2.47
587.770	.77	20.99	10.38	2.0218	3.82	4.22	.53	2.52
587.880	.88	27.65	11.27	2.4537	4.03	4.53	.61	2.55
587.990	.99	35.20	12.11	2.9080	4.23	4.82	.69	2.57
588.100	1.10	43.61	12.89	3.3826	4.40	5.10	.77	2.59
588.210	1.21	52.86	13.64	3.8755	4.56	5.37	.85	2.61
588.320	1.32	62.91	14.35	4.3846	4.70	5.63	.93	2.62
588.430	1.43	73.73	15.02	4.9084	4.82	5.89	1.02	2.63
588.540	1.54	85.28	15.66	5.4455	4.94	6.13	1.10	2.63

588.650	1.65	97.54	16.27	5.9947	5.04	6.38	1.19
2.63							
588.760	1.76	110.45	16.85	6.5542	5.13	6.61	1.28
2.63							
588.870	1.87	123.98	17.40	7.1230	5.21	6.85	1.37
2.62							
588.980	1.98	138.08	17.93	7.7001	5.28	7.08	1.46
2.62							
589.090	2.09	152.72	18.43	8.2844	5.34	7.31	1.55
2.61							
589.200	2.20	167.84	18.91	8.8745	5.39	7.53	1.65
2.60							
589.310	2.31	183.40	19.37	9.4695	5.43	7.76	1.74
2.59							
589.420	2.42	199.35	19.80	10.0684	5.46	7.98	1.84
2.57							
589.530	2.53	215.64	20.21	10.6706	5.48	8.20	1.95
2.55							
589.640	2.64	232.22	20.60	11.2744	5.50	8.42	2.05
2.54							
589.750	2.75	249.03	20.96	11.8792	5.50	8.64	2.16
2.51							
589.860	2.86	266.02	21.31	12.4839	5.50	8.86	2.27
2.49							
589.970	2.97	283.13	21.63	13.0877	5.48	9.08	2.39
2.47							
590.080	3.08	300.31	21.94	13.6899	5.46	9.30	2.51
2.44							
590.190	3.19	317.49	22.22	14.2888	5.43	9.52	2.63
2.41							
590.300	3.30	334.61	22.48	14.8838	5.39	9.75	2.76
2.38							
590.410	3.41	351.61	22.72	15.4739	5.34	9.97	2.90
2.35							
590.520	3.52	368.43	22.94	16.0582	5.28	10.20	3.04
2.32							
590.630	3.63	384.97	23.14	16.6353	5.21	10.43	3.19
2.28							
590.740	3.74	401.19	23.32	17.2041	5.13	10.66	3.35
2.25							
590.850	3.85	416.99	23.47	17.7636	5.04	10.90	3.52
2.20							
590.960	3.96	432.31	23.61	18.3128	4.94	11.15	3.71
2.16							

S/N:
PondPack Ver: Compute Time: Date:

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CIRCULAR CROSS SECTION

Slope = .022000 ft/ft
Mannings n = 0.01300
Invert Elev. = 587.00 ft
Top of Channel = 592.50 ft
Diameter = 66.00 in

Elev. (ft)	Depth (ft)	Flow (cfs)	Vel. (ft/sec)	Area (sq.ft)	Top W. (ft)	Wet.P. (ft)	Hd (ft)	Froude No.
591.070	4.07	447.05	23.72	18.8499	4.82	11.39	3.91	2.12
591.180	4.18	461.11	23.80	19.3737	4.70	11.65	4.12	2.07
591.290	4.29	474.41	23.86	19.8828	4.56	11.91	4.36	2.01
591.400	4.40	486.84	23.89	20.3757	4.40	12.18	4.63	1.96
591.510	4.51	498.26	23.90	20.8503	4.23	12.46	4.93	1.90
591.620	4.62	508.55	23.87	21.3046	4.03	12.75	5.28	1.83
591.730	4.73	517.54	23.81	21.7365	3.82	13.06	5.69	1.76
591.840	4.84	525.05	23.71	22.1435	3.57	13.39	6.19	1.68
591.950	4.95	530.83	23.57	22.5219	3.30	13.74	6.82	1.59
592.060	5.06	534.55	23.38	22.8679	2.98	14.12	7.66	1.49
592.160	5.16	535.76	23.14	23.1503	2.65	14.52	8.74	1.38
592.170	5.17	535.75	23.12	23.1763	2.61	14.56	8.87	1.37
592.280	5.28	533.61	22.77	23.4396	2.16	15.06	10.87	1.22
592.390	5.39	526.29	22.26	23.6449	1.54	15.72	15.35	1.00
592.500	5.50	498.06	20.96	23.7583	.00	17.28	****	****

S/N:
PondPack Ver: Compute Time: Date:

SOLUTION TO MANNINGS OPEN CHANNEL FLOW EQUATION
(Computed values are based on normal depth.)

Q = (k/n) * A * (R**2/3) * (S**1/2)

where:	English Units	SI units
Q = Channel flow	cfs	cms
k = Mannings constant	1.485919	1.0
n = Mannings n	no units	no units
R = Hydraulic radius, A/WP	ft	m
A = X-section flow area	sq.ft.	sq.m.
WP = Wetted perimeter	ft	m
S = Slope	ft/ft	m/m

ADDITIONAL OUTPUT VARIABLES:
Vel= Q/A
Hd = A/TpW
F = Vel / (g * Hd)**1/2

where:	English Units	SI units
Vel= Velocity	ft/sec	m/sec
Q = Channel flow	cfs	cms
A = X-section flow area	sq.ft.	sq.m.
Hd = Hydraulic depth	ft	m
TpW= Top width for flow area	ft	m
g = Acceleration of gravity	ft/sec**2	m/sec**2
F = Froude No.	no units	no units

(Subcritical: F < 1; Critical: F = 1; Supercritical: F > 1)

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

TRAPEZOIDAL CROSS SECTION

Slope = .002000 ft/ft
Mannings n = 0.05000
Invert Elev. = 573.00 ft
Top of Channel = 593.00 ft
Base width = 15.00 ft
Rt Side slope = 2.000 horizontal :1 vert.
Lt Side slope = 2.000 horizontal :1 vert.

Elev. (ft)	Depth (ft)	Flow (cfs)	Vel. (ft/sec)	Area (sq.ft)	Top W. (ft)	Wet.P. (ft)	Hd (ft)	Froude No.
573.000	.00	.00	.00	.0000	.00	.00	.00	0.00
573.010	.01	.01	.06	.1503	15.04	15.04	.01	0.11
573.400	.40	4.38	.69	6.3204	16.60	16.79	.38	0.20
573.800	.80	14.11	1.06	13.2798	18.20	18.58	.73	0.22
574.200	1.20	28.22	1.35	20.8802	19.80	20.37	1.05	0.23
574.600	1.60	46.44	1.59	29.1195	21.40	22.16	1.36	0.24
575.000	2.00	68.71	1.81	38.0000	23.00	23.94	1.65	0.25
575.400	2.40	95.06	2.00	47.5206	24.60	25.73	1.93	0.25
575.800	2.80	125.54	2.18	57.6797	26.20	27.52	2.20	0.26
576.200	3.20	160.25	2.34	68.4803	27.80	29.31	2.46	0.26
576.600	3.60	199.28	2.49	79.9193	29.40	31.10	2.72	0.27
577.000	4.00	242.75	2.64	92.0000	31.00	32.89	2.97	0.27
577.400	4.40	290.78	2.78	104.7208	32.60	34.68	3.21	0.27
577.800	4.80	343.48	2.91	118.0796	34.20	36.47	3.45	0.28

578.200	5.20	401.00	3.04	132.0804	35.80	38.26	3.69	0.28
578.600	5.60	463.44	3.16	146.7191	37.40	40.04	3.92	0.28
579.000	6.00	530.95	3.28	162.0000	39.00	41.83	4.15	0.28
579.400	6.40	603.65	3.39	177.9210	40.60	43.62	4.38	0.29
579.800	6.80	681.65	3.50	194.4795	42.20	45.41	4.61	0.29
580.200	7.20	765.10	3.61	211.6805	43.80	47.20	4.83	0.29
580.600	7.60	854.10	3.72	229.5189	45.40	48.99	5.06	0.29
581.000	8.00	948.81	3.83	248.0000	47.00	50.78	5.28	0.29
581.400	8.40	1049.34	3.93	267.1212	48.60	52.57	5.50	0.30
581.800	8.80	1155.80	4.03	286.8794	50.20	54.35	5.71	0.30
582.200	9.20	1268.33	4.13	307.2806	51.80	56.14	5.93	0.30
582.600	9.60	1387.03	4.22	328.3187	53.40	57.93	6.15	0.30
583.000	10.00	1512.05	4.32	350.0000	55.00	59.72	6.36	0.30
583.400	10.40	1643.51	4.41	372.3214	56.60	61.51	6.58	0.30
583.800	10.80	1781.49	4.51	395.2793	58.20	63.30	6.79	0.30
584.200	11.20	1926.15	4.60	418.8807	59.80	65.09	7.00	0.31
584.600	11.60	2077.58	4.69	443.1185	61.40	66.88	7.22	0.31
585.000	12.00	2235.92	4.78	468.0000	63.00	68.67	7.43	0.31
585.400	12.40	2401.29	4.87	493.5216	64.60	70.45	7.64	0.31
585.800	12.80	2573.76	4.95	519.6792	66.20	72.24	7.85	0.31
586.200	13.20	2753.50	5.04	546.4808	67.80	74.03	8.06	0.31

S/N:
PondPack Ver: Compute Time: Date:

Name.... CHN-TRAPZ - 1

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

TRAPEZOIDAL CROSS SECTION

Slope = .002000 ft/ft
Mannings n = 0.05000
Invert Elev. = 573.00 ft
Top of Channel = 593.00 ft
Base width = 15.00 ft
Rt Side slope = 2.000 horizontal :1 vert.
Lt Side slope = 2.000 horizontal :1 vert.

Elev. (ft)	Depth (ft)	Flow (cfs)	Vel. (ft/sec)	Area (sq.ft)	Top W. (ft)	Wet.P. (ft)	Hd (ft)	Froude No.
586.600	13.60	2940.57	5.12	573.9183	69.40	75.82	8.27	0.31
587.000	14.00	3135.13	5.21	602.0000	71.00	77.61	8.48	0.32
587.400	14.40	3337.29	5.29	630.7218	72.60	79.40	8.69	0.32
587.800	14.80	3547.10	5.37	660.0791	74.20	81.19	8.90	0.32
588.200	15.20	3764.76	5.46	690.0809	75.80	82.98	9.10	0.32
588.600	15.60	3990.29	5.54	720.7181	77.40	84.77	9.31	0.32
589.000	16.00	4223.88	5.62	752.0000	79.00	86.55	9.52	0.32
589.400	16.40	4465.60	5.70	783.9220	80.60	88.34	9.73	0.32
589.800	16.80	4715.52	5.78	816.4790	82.20	90.13	9.93	0.32
590.200	17.20	4973.83	5.85	849.6810	83.80	91.92	10.14	0.32
590.600	17.60	5240.55	5.93	883.5179	85.40	93.71	10.35	0.33
591.000	18.00	5515.87	6.01	918.0000	87.00	95.50	10.55	0.33
591.400	18.40	5799.85	6.09	953.1222	88.60	97.29	10.76	0.33
591.800	18.80	6092.55	6.16	988.8789	90.20	99.08	10.96	0.33

592.200	19.20	6394.18	6.24	1025.2810	91.80	100.87	11.17
0.33							
592.600	19.60	6704.73	6.31	1062.3180	93.40	102.65	11.37
0.33							
593.000	20.00	7024.40	6.39	1100.0000	95.00	104.44	11.58
0.33							

S/N:
PondPack Ver: Compute Time: Date:

SOLUTION TO MANNINGS OPEN CHANNEL FLOW EQUATION
(Computed values are based on normal depth.)

Q = (k/n) * A * (R**2/3) * (S**1/2)

where:	English Units	SI units
Q = Channel flow	cfs	cms
k = Mannings constant	1.485919	1.0
n = Mannings n	no units	no units
R = Hydraulic radius, A/WP	ft	m
A = X-section flow area	sq.ft.	sq.m.
WP = Wetted perimeter	ft	m
S = Slope	ft/ft	m/m

ADDITIONAL OUTPUT VARIABLES:
Vel= Q/A
Hd = A/TpW
F = Vel / (g * Hd)**1/2

where:	English Units	SI units
Vel= Velocity	ft/sec	m/sec
Q = Channel flow	cfs	cms
A = X-section flow area	sq.ft.	sq.m.
Hd = Hydraulic depth	ft	m
TpW= Top width for flow area	ft	m
g = Acceleration of gravity	ft/sec**2	m/sec**2
F = Froude No.	no units	no units

(Subcritical: F < 1; Critical: F = 1; Supercritical: F > 1)

Name.... REACH 10
File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J2 15
Outflow HYG file = NONE STORED - REACH 10 15

Reach Link Data = REACH 10
Reach Length = 675.00 ft
Approx. Total Tt = .0124 hrs (based on Wtd.Q = 75.37 cfs)
Reach Channel = Chn-Cir - 1 (Chn-Circular)
Overflow Elev. = 592.16 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 587.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
587.00	.00	0	0	.00	.00	.00
587.11	.33	77	1039	.00	.33	1.18
587.22	1.48	215	1455	.00	1.48	3.87
587.33	3.53	393	1763	.00	3.53	7.89
587.44	6.50	601	2014	.00	6.50	13.17
587.55	10.40	835	2227	.00	10.40	19.67
587.66	15.23	1090	2413	.00	15.23	27.34
587.77	20.99	1365	2576	.00	20.99	36.15
587.88	27.65	1656	2722	.00	27.65	46.06

587.99	35.20	1963	2853	.00	35.20
57.01					
588.10	43.61	2283	2970	.00	43.61
68.98					
588.21	52.86	2616	3076	.00	52.86
81.93					
588.32	62.91	2960	3171	.00	62.91
95.79					
588.43	73.73	3313	3257	.00	73.73
110.54					
588.54	85.28	3676	3334	.00	85.28
126.12					
588.65	97.54	4046	3403	.00	97.54
142.50					
588.76	110.45	4424	3464	.00	110.45
159.60					
588.87	123.98	4808	3517	.00	123.98
177.40					
588.98	138.08	5198	3564	.00	138.08
195.83					
589.09	152.72	5592	3604	.00	152.72
214.85					

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J2 15
Outflow HYG file = NONE STORED - REACH 10 15

Reach Link Data = REACH 10
Reach Length = 675.00 ft
Approx. Total Tt = .0124 hrs (based on Wtd.Q = 75.37 cfs)
Reach Channel = Chn-Cir - 1 (Chn-Circular)
Overflow Elev. = 592.16 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 587.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
589.20	167.84	5990	3637	.00	167.84	234.40
589.31	183.40	6392	3665	.00	183.40	254.42
589.42	199.35	6796	3686	.00	199.35	274.86
589.53	215.64	7203	3701	.00	215.64	295.67
589.64	232.22	7610	3710	.00	232.22	316.78
589.75	249.03	8018	3713	.00	249.03	338.12
589.86	266.02	8427	3713	.00	266.02	359.65
589.97	283.13	8834	3713	.00	283.13	381.29
590.08	300.31	9241	3713	.00	300.31	402.99

590.19	317.49	9645	3713	.00	317.49	424.66
590.30	334.61	10047	3713	.00	334.61	446.24
590.41	351.61	10445	3713	.00	351.61	467.66
590.52	368.43	10839	3713	.00	368.43	488.86
590.63	384.97	11229	3713	.00	384.97	509.74
590.74	401.19	11613	3713	.00	401.19	530.22
590.85	416.99	11990	3713	.00	416.99	550.22
590.96	432.31	12361	3713	.00	432.31	569.66
591.07	447.05	12724	3713	.00	447.05	588.42
591.18	461.11	13077	3713	.00	461.11	606.41
591.29	474.41	13421	3713	.00	474.41	623.53

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J2 15
Outflow HYG file = NONE STORED - REACH 10 15

Reach Link Data = REACH 10
Reach Length = 675.00 ft
Approx. Total Tt = .0124 hrs (based on Wtd.Q = 75.37 cfs)
Reach Channel = Chn-Cir - 1 (Chn-Circular)
Overflow Elev. = 592.16 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 587.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
591.40	486.84	13754	3713	.00	486.84	639.66
591.51	498.26	14074	3713	.00	498.26	654.64
591.62	508.55	14381	3713	.00	508.55	668.33
591.73	517.54	14672	3713	.00	517.54	680.57
591.84	525.05	14947	3713	.00	525.05	691.13
591.95	530.83	15202	3713	.00	530.83	699.74
592.06	534.55	15436	3713	.00	534.55	706.06
592.16	535.76	15626	3713	.00	535.76	709.39

S/N:

PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J2 15
Outflow HYG file = NONE STORED - REACH 10 15

Reach Link Data = REACH 10
Reach Length = 675.00 ft
Approx. Total Tt = .0124 hrs (based on Wtd.Q = 75.37 cfs)
Reach Channel = Chn-Cir - 1 (Chn-Circular)
Overflow Elev. = 592.16 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	587.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	134.18 cfs	at	12.6000 hrs
Peak Outflow	=	134.18 cfs	at	12.6500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	1883215
- Infiltration	=	0
- HYG Vol OUT	=	1883217
- Retained Vol	=	0
Unrouted Vol	=	2 cu.ft (.000% of Outflow Volume)

WARNING: For weighted average inflow, the approximate total travel time through entire reach is shorter than the inflow hydrograph time step. Consider reducing

calculation time step.
Wtd.Avg.Q = 75.37 cfs Approx.Total Tt = .0124 hrs

S/N:
PondPack Ver: Compute Time: Date:

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 10
HYG Tag = 15

Peak Discharge =	134.18 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	1883217 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.9000	.00	.00	.00	.00 .00
4.1500	.01	.01	.01	.02 .02
4.4000	.03	.03	.04	.05 .05
4.6500	.06	.07	.08	.09 .11
4.9000	.12	.13	.14	.16 .17
5.1500	.19	.21	.22	.24 .26
5.4000	.28	.30	.32	.35 .38
5.6500	.41	.43	.46	.49 .51
5.9000	.54	.57	.60	.63 .66
6.1500	.70	.73	.76	.80 .83
6.4000	.87	.91	.95	.98 1.02
6.6500	1.06	1.10	1.14	1.19 1.23
6.9000	1.27	1.32	1.36	1.41 1.48
7.1500	1.58	1.66	1.74	1.83 1.91

7.4000	2.00	2.08	2.16	2.25	2.33
7.6500	2.42	2.50	2.58	2.67	2.75
7.9000	2.84	2.92	3.01	3.09	3.18
8.1500	3.26	3.35	3.44	3.53	3.62
8.4000	3.72	3.81	3.91	4.01	4.13
8.6500	4.27	4.41	4.55	4.69	4.84
8.9000	4.99	5.14	5.30	5.47	5.63
9.1500	5.80	5.97	6.14	6.32	6.50
9.4000	6.68	6.86	7.03	7.18	7.35
9.6500	7.54	7.74	7.93	8.13	8.32
9.9000	8.52	8.72	8.93	9.15	9.37
10.1500	9.60	9.83	10.08	10.33	10.60
10.4000	10.88	11.17	11.48	11.83	12.20
10.6500	12.58	12.98	13.39	13.82	14.27
10.9000	14.74	15.23	15.75	16.33	16.95
11.1500	17.60	18.28	19.00	19.76	20.58
11.4000	21.50	22.51	23.59	24.77	26.10

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.6500	27.73	29.84	32.74	36.96	43.17
11.9000	52.26	65.21	79.38	89.72	97.31
12.1500	104.77	111.61	117.52	122.37	126.19
12.4000	129.09	131.19	132.64	133.55	134.04
12.6500	134.18	134.05	133.70	133.15	132.45
12.9000	131.62	130.68	129.65	128.54	127.37
13.1500	126.14	124.87	123.56	122.20	120.81
13.4000	119.39	117.95	116.47	114.98	113.47
13.6500	111.94	110.38	108.82	107.24	105.64
13.9000	104.03	102.40	100.76	99.11	97.43
14.1500	95.75	94.06	92.35	90.63	88.90
14.4000	87.17	85.42	83.68	80.61	76.13
14.6500	71.76	67.75	64.10	60.76	57.72
14.9000	54.95	52.38	50.04	47.88	45.87
15.1500	44.03	42.34	40.76	39.27	37.90
15.4000	36.64	35.46	34.34	33.28	32.29
15.6500	31.37	30.52	29.70	28.92	28.18
15.9000	27.48	26.80	26.17	25.58	25.02
16.1500	24.48	23.96	23.46	22.98	22.51
16.4000	22.07	21.64	21.24	20.86	20.50

16.6500	20.17	19.85	19.55	19.25
18.97				
16.9000	18.70	18.44	18.19	17.94
17.71				
17.1500	17.49	17.27	17.06	16.86
16.67				
17.4000	16.48	16.30	16.12	15.95
15.80				
17.6500	15.65	15.51	15.37	15.23
15.09				
17.9000	14.96	14.83	14.71	14.58
14.46				
18.1500	14.34	14.22	14.11	13.99
13.88				
18.4000	13.77	13.66	13.55	13.45
13.34				
18.6500	13.24	13.14	13.03	12.93
12.84				
18.9000	12.74	12.64	12.54	12.45
12.35				
19.1500	12.26	12.17	12.07	11.98
11.89				
19.4000	11.80	11.71	11.62	11.53
11.44				
19.6500	11.35	11.27	11.20	11.12
11.04				
19.9000	10.96	10.88	10.80	10.72
10.64				
20.1500	10.56	10.48	10.40	10.33
10.25				
20.4000	10.17	10.10	10.03	9.96
9.89				
20.6500	9.82	9.76	9.69	9.63
9.57				
20.9000	9.52	9.46	9.41	9.36
9.31				
21.1500	9.26	9.21	9.16	9.12
9.08				
21.4000	9.03	8.99	8.95	8.91
8.88				
21.6500	8.84	8.81	8.77	8.74
8.70				
21.9000	8.67	8.64	8.61	8.58
8.55				
22.1500	8.52	8.49	8.47	8.44
8.41				
22.4000	8.39	8.36	8.33	8.31
8.29				
22.6500	8.26	8.24	8.21	8.19
8.17				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.9000	8.15	8.12	8.10	8.08
8.06				
23.1500	8.04	8.02	8.00	7.98
7.96				
23.4000	7.94	7.92	7.90	7.88
7.86				
23.6500	7.84	7.82	7.80	7.78
7.76				
23.9000	7.75	7.73	7.71	7.69
7.66				
24.1500	7.63	7.57	7.48	7.37
7.24				
24.4000	7.08	6.88	6.69	6.48
6.29				
24.6500	6.08	5.87	5.66	5.45
5.25				
24.9000	5.06	4.86	4.68	4.50
4.33				
25.1500	4.16	4.01	3.88	3.76
3.65				
25.4000	3.54	3.44	3.33	3.23
3.13				
25.6500	3.04	2.94	2.85	2.77
2.68				
25.9000	2.60	2.52	2.44	2.37
2.29				
26.1500	2.22	2.15	2.09	2.02
1.96				
26.4000	1.90	1.84	1.79	1.73
1.68				
26.6500	1.63	1.58	1.53	1.48
1.44				
26.9000	1.41	1.39	1.36	1.34
1.32				
27.1500	1.29	1.27	1.25	1.23
1.21				
27.4000	1.19	1.17	1.15	1.13
1.11				
27.6500	1.09	1.07	1.05	1.03
1.02				

27.9000	1.00	.98	.97	.95	.93
28.1500	.92	.90	.89	.87	.86
28.4000	.84	.83	.81	.80	.79
28.6500	.77	.76	.75	.73	.72
28.9000	.71	.70	.68	.67	.66
29.1500	.65	.64	.63	.62	.61
29.4000	.60	.59	.58	.57	.56
29.6500	.55	.54	.53	.52	.51
29.9000	.50	.49	.48	.48	.47
30.1500	.46	.45	.44	.44	.43
30.4000	.42	.42	.41	.40	.39
30.6500	.39	.38	.37	.37	.36
30.9000	.36	.35	.34	.34	.33
31.1500	.33	.32	.32	.31	.31
31.4000	.30	.30	.29	.29	.28
31.6500	.28	.27	.27	.26	.26
31.9000	.25	.25	.25	.24	.24
32.1500	.23	.23	.23	.22	.22
32.4000	.21	.21	.21	.20	.20
32.6500	.20	.19	.19	.19	.18
32.9000	.18	.18	.17	.17	.17
33.1500	.17	.16	.16	.16	.15
33.4000	.15	.15	.15	.14	.14
33.6500	.14	.14	.13	.13	.13
33.9000	.13	.13	.12	.12	.12

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.1500	.12	.12	.11	.11
34.4000	.11	.11	.10	.10
34.6500	.10	.10	.10	.09
34.9000	.09	.09	.09	.09
35.1500	.08	.08	.08	.08
35.4000	.08	.08	.07	.07
35.6500	.07	.07	.07	.07
35.9000	.06	.06	.06	.06
36.1500	.06	.06	.06	.06
36.4000	.05	.05	.05	.05
36.6500	.05	.05	.05	.05
36.9000	.05	.04	.04	.04
37.1500	.04	.04	.04	.04
37.4000	.04	.04	.04	.04
37.6500	.04	.03	.03	.03
37.9000	.03	.03	.03	.03
38.1500	.03	.03	.03	.03
38.4000	.03	.03	.03	.03
38.6500	.02	.02	.02	.02
38.9000	.02	.02	.02	.02

39.1500	.02	.02	.02	.02
39.4000	.02	.02	.02	.02
39.6500	.02	.02	.02	.02
39.9000	.02	.02	.02	.02
40.1500	.01	.01	.01	.01
40.4000	.01	.01	.01	.01
40.6500	.01	.01	.01	.01
40.9000	.01	.01	.01	.01
41.1500	.01	.01	.01	.01
41.4000	.01	.01	.01	.01
41.6500	.01	.01	.01	.01
41.9000	.01	.01	.01	.01
42.1500	.01	.01	.01	.01
42.4000	.01	.01	.01	.01
42.6500	.01	.01	.01	.01
42.9000	.01	.01	.01	.01
43.1500	.01	.01	.01	.01
43.4000	.00	.00	.00	.00
43.6500	.00	.00	.00	.00
43.9000	.00	.00	.00	.00
44.1500	.00	.00	.00	.00
44.4000	.00	.00	.00	.00
44.6500	.00	.00	.00	.00

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J2 25
Outflow HYG file = NONE STORED - REACH 10 25

Reach Link Data = REACH 10
Reach Length = 675.00 ft
Approx. Total Tt = .0122 hrs (based on Wtd.Q = 80.77 cfs)
Reach Channel = Chn-Cir - 1 (Chn-Circular)
Overflow Elev. = 592.16 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	587.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	142.14 cfs	at	12.6500 hrs
Peak Outflow	=	142.09 cfs	at	12.6500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	2110362
- Infiltration	=	0
- HYG Vol OUT	=	2110363
- Retained Vol	=	0
Unrouted Vol	=	1 cu.ft (.000% of Outflow Volume)

WARNING: For weighted average inflow, the approximate total travel time through entire reach is shorter than the inflow hydrograph time step. Consider reducing

calculation time step.
Wtd.Avg.Q = 80.77 cfs Approx.Total Tt = .0122 hrs

S/N:
PondPack Ver: Compute Time: Date:

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 10
HYG Tag = 25

Peak Discharge =	142.09 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	2110363 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6000	.00	.00	.00	.00 .00
3.8500	.01	.01	.01	.02 .02
4.1000	.03	.03	.04	.05 .06
4.3500	.07	.08	.09	.10 .11
4.6000	.13	.14	.16	.17 .19
4.8500	.21	.22	.24	.26 .28
5.1000	.31	.33	.36	.39 .42
5.3500	.45	.47	.50	.53 .56
5.6000	.60	.63	.66	.70 .73
5.8500	.77	.80	.84	.88 .92
6.1000	.96	1.00	1.04	1.08 1.13
6.3500	1.17	1.22	1.26	1.31 1.36
6.6000	1.41	1.48	1.58	1.67 1.76
6.8500	1.85	1.94	2.03	2.12 2.21

7.1000	2.30	2.39	2.48	2.57
2.66				
7.3500	2.75	2.84	2.93	3.02
3.11				
7.6000	3.21	3.30	3.39	3.48
3.58				
7.8500	3.68	3.77	3.86	3.96
4.06				
8.1000	4.17	4.29	4.41	4.53
4.65				
8.3500	4.78	4.90	5.03	5.16
5.29				
8.6000	5.43	5.57	5.71	5.86
6.02				
8.8500	6.18	6.34	6.51	6.69
6.86				
9.1000	7.04	7.20	7.39	7.61
7.83				
9.3500	8.06	8.28	8.50	8.72
8.93				
9.6000	9.15	9.36	9.56	9.77
9.97				
9.8500	10.18	10.39	10.61	10.83
11.06				
10.1000	11.30	11.57	11.86	12.15
12.46				
10.3500	12.78	13.12	13.47	13.83
14.21				
10.6000	14.61	15.02	15.45	15.91
16.42				
10.8500	16.96	17.52	18.11	18.72
19.37				
11.1000	20.05	20.76	21.55	22.40
23.30				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.3500	24.26	25.29	26.42	27.67	29.04
11.6000	30.58	32.45	34.88	38.25	43.14
11.8500	50.35	60.86	75.11	86.81	94.46
12.1000	102.54	110.45	117.70	123.96	129.12
12.3500	133.20	136.31	138.59	140.19	141.24
12.6000	141.84	142.09	142.06	141.79	141.33
12.8500	140.70	139.95	139.08	138.11	137.08
13.1000	135.97	134.80	133.59	132.33	131.03
13.3500	129.70	128.34	126.95	125.53	124.08
13.6000	122.62	121.14	119.64	118.12	116.58
13.8500	115.03	113.47	111.90	110.30	108.70
14.1000	107.08	105.46	103.81	102.16	100.49
14.3500	98.81	97.12	95.42	93.72	92.01
14.6000	90.29	88.58	86.86	85.12	83.40
14.8500	80.14	75.51	71.25	67.35	63.80
15.1000	60.55	57.58	54.88	52.38	50.09
15.3500	47.98	46.01	44.20	42.55	40.99
15.6000	39.53	38.18	36.93	35.76	34.65
15.8500	33.60	32.61	31.70	30.84	30.03
16.1000	29.26	28.52	27.81	27.13	26.49

16.3500	25.90	25.35	24.82	24.31	23.83
16.6000	23.37	22.93	22.51	22.11	21.72
16.8500	21.36	21.01	20.69	20.40	20.11
17.1000	19.84	19.58	19.32	19.08	18.84
17.3500	18.61	18.39	18.18	17.98	17.78
17.6000	17.59	17.40	17.22	17.04	16.87
17.8500	16.70	16.54	16.38	16.23	16.08
18.1000	15.94	15.80	15.67	15.55	15.42
18.3500	15.30	15.18	15.06	14.94	14.82
18.6000	14.71	14.59	14.48	14.37	14.26
18.8500	14.15	14.04	13.94	13.83	13.73
19.1000	13.62	13.52	13.41	13.31	13.21
19.3500	13.11	13.01	12.91	12.81	12.71
19.6000	12.61	12.52	12.42	12.32	12.23
19.8500	12.13	12.03	11.94	11.84	11.75
20.1000	11.66	11.56	11.47	11.38	11.29
20.3500	11.21	11.13	11.06	10.98	10.91
20.6000	10.83	10.76	10.70	10.63	10.56
20.8500	10.50	10.44	10.38	10.33	10.27
21.1000	10.22	10.17	10.12	10.07	10.02
21.3500	9.97	9.93	9.89	9.84	9.80
21.6000	9.76	9.72	9.69	9.65	9.61
21.8500	9.58	9.54	9.51	9.48	9.44
22.1000	9.41	9.38	9.35	9.32	9.29
22.3500	9.26	9.23	9.21	9.18	9.15

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.6000	9.13	9.10	9.07	9.05
22.8500	9.00	8.98	8.95	8.93
23.1000	8.88	8.86	8.84	8.81
23.3500	8.77	8.75	8.73	8.70
23.6000	8.66	8.64	8.62	8.60
23.8500	8.56	8.54	8.52	8.50
24.1000	8.45	8.41	8.34	8.25
24.3500	7.95	7.75	7.53	7.30
24.6000	6.82	6.59	6.37	6.15
24.8500	5.71	5.50	5.29	5.09
25.1000	4.71	4.53	4.35	4.18
25.3500	3.90	3.78	3.66	3.55
25.6000	3.34	3.24	3.14	3.05
25.8500	2.86	2.77	2.69	2.61
26.1000	2.45	2.37	2.30	2.23
26.3500	2.09	2.03	1.97	1.91
26.6000	1.79	1.74	1.68	1.63
26.8500	1.53	1.49	1.45	1.41
27.1000	1.36	1.34	1.32	1.30
27.3500	1.25	1.23	1.21	1.19

27.6000	1.15	1.13	1.11	1.09
1.07				
27.8500	1.05	1.04	1.02	1.00
.98				
28.1000	.97	.95	.93	.92
.90				
28.3500	.89	.87	.86	.84
.83				
28.6000	.81	.80	.79	.77
.76				
28.8500	.75	.73	.72	.71
.70				
29.1000	.69	.67	.66	.65
.64				
29.3500	.63	.62	.61	.60
.59				
29.6000	.58	.57	.56	.55
.54				
29.8500	.53	.52	.51	.50
.49				
30.1000	.49	.48	.47	.46
.45				
30.3500	.45	.44	.43	.42
.42				
30.6000	.41	.40	.40	.39
.38				
30.8500	.38	.37	.36	.36
.35				
31.1000	.34	.34	.33	.33
.32				
31.3500	.32	.31	.31	.30
.30				
31.6000	.29	.29	.28	.28
.27				
31.8500	.27	.26	.26	.26
.25				
32.1000	.25	.24	.24	.23
.23				
32.3500	.23	.22	.22	.21
.21				
32.6000	.21	.20	.20	.20
.19				
32.8500	.19	.19	.18	.18
.18				
33.1000	.17	.17	.17	.17
.16				
33.3500	.16	.16	.15	.15
.15				
33.6000	.15	.14	.14	.14
.14				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.8500	.14	.13	.13	.13 .13
34.1000	.12	.12	.12	.12 .12
34.3500	.11	.11	.11	.11 .11
34.6000	.10	.10	.10	.10 .10
34.8500	.10	.09	.09	.09 .09
35.1000	.09	.09	.08	.08 .08
35.3500	.08	.08	.08	.08 .08
35.6000	.07	.07	.07	.07 .07
35.8500	.07	.07	.07	.06 .06
36.1000	.06	.06	.06	.06 .06
36.3500	.06	.06	.06	.05 .05
36.6000	.05	.05	.05	.05 .05
36.8500	.05	.05	.05	.05 .04
37.1000	.04	.04	.04	.04 .04
37.3500	.04	.04	.04	.04 .04
37.6000	.04	.04	.04	.04 .03
37.8500	.03	.03	.03	.03 .03
38.1000	.03	.03	.03	.03 .03
38.3500	.03	.03	.03	.03 .03
38.6000	.03	.03	.03	.02 .02

38.8500	.02	.02	.02	.02
.02				
39.1000	.02	.02	.02	.02
.02				
39.3500	.02	.02	.02	.02
.02				
39.6000	.02	.02	.02	.02
.02				
39.8500	.02	.02	.02	.02
.02				
40.1000	.02	.02	.02	.01
.01				
40.3500	.01	.01	.01	.01
.01				
40.6000	.01	.01	.01	.01
.01				
40.8500	.01	.01	.01	.01
.01				
41.1000	.01	.01	.01	.01
.01				
41.3500	.01	.01	.01	.01
.01				
41.6000	.01	.01	.01	.01
.01				
41.8500	.01	.01	.01	.01
.01				
42.1000	.01	.01	.01	.01
.01				
42.3500	.01	.01	.01	.01
.01				
42.6000	.01	.01	.01	.01
.01				
42.8500	.01	.01	.01	.01
.01				
43.1000	.01	.01	.01	.01
.01				
43.3500	.01	.01	.00	.00
.00				
43.6000	.00	.00	.00	.00
.00				
43.8500	.00	.00	.00	.00
.00				
44.1000	.00	.00	.00	.00
.00				
44.3500	.00	.00	.00	.00
.00				
44.6000	.00	.00	.00	.00
.00				
44.8500	.00	.00		

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J2 100
Outflow HYG file = NONE STORED - REACH 10 100

Reach Link Data = REACH 10
Reach Length = 675.00 ft
Approx. Total Tt = .0117 hrs (based on Wtd.Q = 93.45 cfs)
Reach Channel = Chn-Cir - 1 (Chn-Circular)
Overflow Elev. = 592.16 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	587.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	160.71 cfs	at	12.7000 hrs
Peak Outflow	=	160.68 cfs	at	12.7000 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	2705805
- Infiltration	=	0
- HYG Vol OUT	=	2705802
- Retained Vol	=	0
Unrouted Vol	=	-3 cu.ft (.000% of Inflow Volume)

WARNING: For weighted average inflow, the approximate total travel time through entire reach is shorter than the inflow hydrograph time step. Consider reducing

calculation time step.
Wtd.Avg.Q = 93.45 cfs Approx.Total Tt = .0117 hrs

S/N:
PondPack Ver: Compute Time: Date:

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 10
HYG Tag = 100

Peak Discharge =	160.68 cfs
Time to Peak =	12.7000 hrs
HYG Volume =	2705802 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.0000	.00	.00	.00	.00
3.2500	.01	.01	.01	.02
3.5000	.03	.04	.05	.06
3.7500	.08	.09	.11	.12
4.0000	.16	.18	.19	.21
4.2500	.26	.28	.31	.33
4.5000	.40	.43	.47	.50
4.7500	.57	.60	.64	.68
5.0000	.76	.80	.84	.88
5.2500	.97	1.02	1.07	1.12
5.5000	1.22	1.27	1.32	1.38
5.7500	1.55	1.66	1.76	1.86
6.0000	2.07	2.17	2.27	2.38
6.2500	2.59	2.69	2.80	2.90

1.45
1.96
2.48
3.01

6.5000	3.12	3.22	3.33	3.44
3.55				
6.7500	3.67	3.78	3.89	4.00
4.13				
7.0000	4.27	4.41	4.55	4.69
4.83				
7.2500	4.96	5.10	5.24	5.37
5.51				
7.5000	5.64	5.78	5.91	6.05
6.18				
7.7500	6.32	6.45	6.59	6.72
6.85				
8.0000	6.99	7.11	7.23	7.36
7.51				
8.2500	7.67	7.82	7.98	8.15
8.31				
8.5000	8.49	8.66	8.85	9.04
9.23				
8.7500	9.44	9.65	9.86	10.09
10.32				
9.0000	10.55	10.80	11.04	11.30
11.58				
9.2500	11.87	12.17	12.46	12.76
13.05				
9.5000	13.33	13.61	13.89	14.16
14.42				
9.7500	14.68	14.95	15.21	15.48
15.76				
10.0000	16.06	16.39	16.73	17.08
17.44				
10.2500	17.82	18.22	18.64	19.07
19.52				
10.5000	20.00	20.50	21.04	21.62
22.22				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.7500	22.86	23.53	24.22	24.95	25.72
11.0000	26.54	27.44	28.38	29.36	30.40
11.2500	31.49	32.69	34.00	35.41	36.93
11.5000	38.58	40.43	42.51	45.03	48.34
11.7500	52.94	59.66	69.53	80.56	89.29
12.0000	97.07	105.83	114.98	123.93	132.11
12.2500	139.18	145.00	149.63	153.21	155.88
12.5000	157.81	159.14	160.01	160.50	160.68
12.7500	160.62	160.34	159.90	159.31	158.61
13.0000	157.81	156.93	155.97	154.96	153.89
13.2500	152.78	151.62	150.43	149.20	147.94
13.5000	146.65	145.34	144.00	142.64	141.26
13.7500	139.87	138.45	137.02	135.57	134.11
14.0000	132.63	131.13	129.62	128.10	126.56
14.2500	125.02	123.46	121.88	120.30	118.71
14.5000	117.12	115.52	113.91	112.30	110.68
14.7500	109.06	107.43	105.80	104.16	102.52
15.0000	100.87	99.22	97.56	95.90	94.23
15.2500	92.56	90.88	89.21	87.52	85.84
15.5000	84.16	81.67	77.75	73.41	69.42

15.7500	65.78	62.46	59.42	56.63	54.06
16.0000	51.70	49.53	47.51	45.63	43.90
16.2500	42.31	40.81	39.40	38.10	36.90
16.5000	35.79	34.73	33.74	32.81	31.95
16.7500	31.16	30.41	29.71	29.05	28.42
17.0000	27.82	27.26	26.72	26.22	25.77
17.2500	25.33	24.92	24.52	24.14	23.78
17.5000	23.44	23.10	22.78	22.48	22.18
17.7500	21.90	21.63	21.36	21.11	20.87
18.0000	20.65	20.44	20.23	20.02	19.83
18.2500	19.63	19.45	19.26	19.08	18.91
18.5000	18.74	18.57	18.40	18.24	18.08
18.7500	17.93	17.77	17.62	17.47	17.32
19.0000	17.18	17.04	16.90	16.76	16.62
19.2500	16.48	16.35	16.21	16.08	15.95
19.5000	15.83	15.71	15.59	15.47	15.36
19.7500	15.24	15.12	15.01	14.89	14.78
20.0000	14.66	14.54	14.43	14.32	14.20
20.2500	14.09	13.98	13.87	13.76	13.65
20.5000	13.55	13.45	13.36	13.26	13.17
20.7500	13.09	13.00	12.92	12.84	12.77
21.0000	12.69	12.62	12.56	12.49	12.43
21.2500	12.37	12.31	12.25	12.19	12.14
21.5000	12.09	12.04	11.99	11.94	11.89
21.7500	11.85	11.81	11.76	11.72	11.68

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.0000	11.64	11.60	11.56	11.53
22.2500	11.45	11.42	11.39	11.35
22.5000	11.30	11.27	11.24	11.21
22.7500	11.15	11.13	11.10	11.07
23.0000	11.02	10.99	10.97	10.94
23.2500	10.89	10.86	10.84	10.81
23.5000	10.76	10.74	10.71	10.69
23.7500	10.64	10.62	10.59	10.57
24.0000	10.52	10.49	10.46	10.41
24.2500	10.21	10.05	9.85	9.60
24.5000	9.03	8.71	8.39	8.06
24.7500	7.43	7.15	6.86	6.59
25.0000	6.11	5.88	5.65	5.44
25.2500	5.02	4.83	4.64	4.46
25.5000	4.11	3.97	3.85	3.73
25.7500	3.51	3.41	3.30	3.20
26.0000	3.01	2.91	2.82	2.74
26.2500	2.57	2.49	2.42	2.34
26.5000	2.20	2.13	2.07	2.00
26.7500	1.88	1.82	1.77	1.71

11.49				
11.33				
11.18				
11.05				
10.91				
10.79				
10.66				
10.54				
10.33				
9.33				
7.74				
6.35				
5.22				
4.28				
3.61				
3.10				
2.65				
2.27				
1.94				
1.66				

27.0000	1.61	1.56	1.51	1.47	1.43
27.2500	1.40	1.38	1.35	1.33	1.31
27.5000	1.29	1.26	1.24	1.22	1.20
27.7500	1.18	1.16	1.14	1.12	1.10
28.0000	1.08	1.06	1.05	1.03	1.01
28.2500	.99	.98	.96	.94	.93
28.5000	.91	.90	.88	.87	.85
28.7500	.84	.82	.81	.79	.78
29.0000	.77	.75	.74	.73	.72
29.2500	.70	.69	.68	.67	.66
29.5000	.65	.64	.62	.61	.60
29.7500	.59	.58	.57	.56	.55
30.0000	.54	.53	.53	.52	.51
30.2500	.50	.49	.48	.47	.47
30.5000	.46	.45	.44	.43	.43
30.7500	.42	.41	.41	.40	.39
31.0000	.39	.38	.37	.37	.36
31.2500	.35	.35	.34	.34	.33
31.5000	.33	.32	.32	.31	.31
31.7500	.30	.30	.29	.29	.28
32.0000	.28	.27	.27	.26	.26
32.2500	.25	.25	.24	.24	.24
32.5000	.23	.23	.22	.22	.22
32.7500	.21	.21	.21	.20	.20
33.0000	.20	.19	.19	.19	.18

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.2500	.18	.18	.17	.17
33.5000	.16	.16	.16	.16
33.7500	.15	.15	.15	.14
34.0000	.14	.14	.13	.13
34.2500	.13	.13	.12	.12
34.5000	.12	.11	.11	.11
34.7500	.11	.11	.10	.10
35.0000	.10	.10	.09	.09
35.2500	.09	.09	.09	.09
35.5000	.08	.08	.08	.08
35.7500	.08	.07	.07	.07
36.0000	.07	.07	.07	.07
36.2500	.06	.06	.06	.06
36.5000	.06	.06	.06	.06
36.7500	.05	.05	.05	.05
37.0000	.05	.05	.05	.05
37.2500	.05	.04	.04	.04
37.5000	.04	.04	.04	.04
37.7500	.04	.04	.04	.04
38.0000	.04	.03	.03	.03

38.2500	.03	.03	.03	.03
.03				
38.5000	.03	.03	.03	.03
.03				
38.7500	.03	.03	.03	.03
.03				
39.0000	.02	.02	.02	.02
.02				
39.2500	.02	.02	.02	.02
.02				
39.5000	.02	.02	.02	.02
.02				
39.7500	.02	.02	.02	.02
.02				
40.0000	.02	.02	.02	.02
.02				
40.2500	.02	.02	.02	.02
.02				
40.5000	.01	.01	.01	.01
.01				
40.7500	.01	.01	.01	.01
.01				
41.0000	.01	.01	.01	.01
.01				
41.2500	.01	.01	.01	.01
.01				
41.5000	.01	.01	.01	.01
.01				
41.7500	.01	.01	.01	.01
.01				
42.0000	.01	.01	.01	.01
.01				
42.2500	.01	.01	.01	.01
.01				
42.5000	.01	.01	.01	.01
.01				
42.7500	.01	.01	.01	.01
.01				
43.0000	.01	.01	.01	.01
.01				
43.2500	.01	.01	.01	.01
.01				
43.5000	.01	.01	.01	.01
.00				
43.7500	.00	.00	.00	.00
.00				
44.0000	.00	.00	.00	.00
.00				
44.2500	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
44.5000	.00	.00	.00	.00 .00
44.7500	.00	.00	.00	.00 .00
45.0000	.00	.00	.00	.00

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J3 15
Outflow HYG file = NONE STORED - REACH 20 15

Reach Link Data = REACH 20
Reach Length = 1650.00 ft
Approx. Total Tt = .1450 hrs (based on Wtd.Q = 464.45 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
573.00	.00	0	0	.00	.00	.00
573.01	.01	248	24816	.00	.01	2.77
573.40	4.38	10429	27390	.00	4.38	120.25
573.80	14.11	21912	30030	.00	14.11	257.57
574.20	28.22	34452	32670	.00	28.22	411.02
574.60	46.44	48047	35310	.00	46.44	580.29
575.00	68.71	62700	37950	.00	68.71	765.38
575.40	95.06	78409	40590	.00	95.06	966.27
575.80	125.54	95171	43230	.00	125.54	1183.00

576.20	160.25	112993	45870	.00	160.25	1415.72
576.60	199.28	131867	48510	.00	199.28	1664.46
577.00	242.75	151800	51150	.00	242.75	1929.42
577.40	290.78	172789	53790	.00	290.78	2210.66
577.80	343.48	194831	56430	.00	343.48	2508.28
578.20	401.00	217933	59070	.00	401.00	2822.48
578.60	463.44	242087	61710	.00	463.44	3153.29
579.00	530.95	267300	64350	.00	530.95	3500.95
579.40	603.65	293570	66990	.00	603.65	3865.53
579.80	681.65	320891	69630	.00	681.65	4247.10
580.20	765.10	349273	72270	.00	765.10	4645.91

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J3 15
Outflow HYG file = NONE STORED - REACH 20 15

Reach Link Data = REACH 20
Reach Length = 1650.00 ft
Approx. Total Tt = .1450 hrs (based on Wtd.Q = 464.45 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
580.60	854.10	378706	74910	.00	854.10	5061.95
581.00	948.81	409200	77550	.00	948.81	5495.48
581.40	1049.34	440750	80190	.00	1049.34	5946.56
581.80	1155.80	473351	82830	.00	1155.80	6415.25
582.20	1268.33	507013	85470	.00	1268.33	6901.81
582.60	1387.03	541726	88110	.00	1387.03	7406.20
583.00	1512.05	577500	90750	.00	1512.05	7928.72
583.40	1643.51	614330	93390	.00	1643.51	8469.40
583.80	1781.49	652211	96030	.00	1781.49	9028.27

584.20	1926.15	691153	98670	.00	1926.15
9605.63					
584.60	2077.58	731146	101310	.00	2077.58
10201.42					
585.00	2235.92	772200	103950	.00	2235.92
10815.92					
585.40	2401.29	814311	106590	.00	2401.29
11449.18					
585.80	2573.76	857471	109230	.00	2573.76
12101.21					
586.20	2753.50	901693	111870	.00	2753.50
12772.31					
586.60	2940.57	946965	114510	.00	2940.57
13462.40					
587.00	3135.13	993300	117150	.00	3135.13
14171.80					
587.40	3337.29	1040691	119790	.00	3337.29
14900.52					
587.80	3547.10	1089131	122430	.00	3547.10
15648.55					
588.20	3764.76	1138634	125070	.00	3764.76
16416.24					

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J3 15
Outflow HYG file = NONE STORED - REACH 20 15

Reach Link Data = REACH 20
Reach Length = 1650.00 ft
Approx. Total Tt = .1450 hrs (based on Wtd.Q = 464.45 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
588.60	3990.29	1189185	127710	.00	3990.29	17203.45
589.00	4223.88	1240800	130350	.00	4223.88	18010.54
589.40	4465.60	1293471	132990	.00	4465.60	18837.50
589.80	4715.52	1347190	135630	.00	4715.52	19684.30
590.20	4973.83	1401974	138270	.00	4973.83	20551.31
590.60	5240.55	1457805	140910	.00	5240.55	21438.38
591.00	5515.87	1514700	143550	.00	5515.87	22345.87
591.40	5799.85	1572652	146190	.00	5799.85	23273.75
591.80	6092.55	1631650	148830	.00	6092.55	24222.00

592.20	6394.18	1691714	151470	.00	6394.18
25191.00					
592.60	6704.73	1752824	154110	.00	6704.73
26180.55					
593.00	7024.40	1815000	156750	.00	7024.40
27191.06					

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J3 15
Outflow HYG file = NONE STORED - REACH 20 15

Reach Link Data = REACH 20
Reach Length = 1650.00 ft
Approx. Total Tt = .1450 hrs (based on Wtd.Q = 464.45 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	991.97 cfs	at	12.7000 hrs
Peak Outflow	=	978.86 cfs	at	12.8000 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	8825547
- Infiltration	=	0
- HYG Vol OUT	=	8825485
- Retained Vol	=	80
Unrouted Vol	=	18 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 20
HYG Tag = 15

Peak Discharge =	978.86 cfs
Time to Peak =	12.8000 hrs
HYG Volume =	8825485 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.9500	.00	.00	.00	.00
4.2000	.00	.00	.00	.00
4.4500	.00	.00	.00	.00
4.7000	.00	.00	.00	.00
4.9500	.01	.01	.01	.01
5.2000	.03	.04	.06	.07
5.4500	.10	.12	.13	.15
5.7000	.19	.21	.23	.25
5.9500	.29	.31	.33	.36
6.2000	.41	.43	.46	.48
6.4500	.54	.57	.60	.63
6.7000	.69	.72	.76	.79
6.9500	.86	.89	.93	.97
7.2000	1.06	1.10	1.16	1.21

1.01
1.26

7.4500	1.32	1.38	1.44	1.51	1.57
7.7000	1.64	1.70	1.77	1.84	1.91
7.9500	1.98	2.06	2.13	2.21	2.28
8.2000	2.36	2.44	2.51	2.59	2.67
8.4500	2.75	2.84	2.92	3.01	3.11
8.7000	3.21	3.32	3.44	3.57	3.70
8.9500	3.85	4.01	4.19	4.37	4.75
9.2000	5.13	5.52	5.92	6.33	6.75
9.4500	7.19	7.64	8.10	8.57	9.08
9.7000	9.65	10.25	10.87	11.51	12.16
9.9500	12.82	13.50	14.22	15.13	16.03
10.2000	16.92	17.81	18.70	19.61	20.55
10.4500	21.53	22.56	23.63	24.75	25.92
10.7000	27.14	28.45	29.99	31.57	33.19
10.9500	34.86	36.60	38.43	40.40	42.46
11.2000	44.65	47.02	49.73	52.55	55.52
11.4500	58.68	62.11	65.88	70.13	75.25

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.7000	81.38	88.77	98.42	112.46	131.77
11.9500	157.97	193.33	237.73	289.44	348.37
12.2000	414.75	486.83	561.48	635.82	708.53
12.4500	776.56	835.24	883.93	923.59	952.12
12.7000	969.85	978.63	978.86	970.24	954.77
12.9500	933.92	907.15	875.44	841.13	805.58
13.2000	768.86	732.69	697.45	664.26	632.78
13.4500	602.91	575.73	550.04	525.87	503.65
13.7000	482.60	462.62	444.30	426.91	410.40
13.9500	394.96	380.63	366.93	353.90	341.64
14.2000	330.28	319.30	308.87	299.01	289.63
14.4500	280.96	272.63	264.38	255.85	247.09
14.7000	238.49	230.19	222.14	214.44	207.12
14.9500	200.24	194.04	188.20	182.71	177.55
15.2000	172.71	168.15	163.86	159.85	156.23
15.4500	152.76	149.43	146.23	143.16	140.21
15.7000	137.38	134.65	132.03	129.52	127.11
15.9500	124.86	122.78	120.77	118.83	116.95
16.2000	115.14	113.39	111.69	110.04	108.44
16.4500	106.89	105.38	103.91	102.49	101.13

16.7000	99.81	98.54	97.32	96.15
95.02				
16.9500	94.01	93.01	92.05	91.11
90.20				
17.2000	89.32	88.48	87.66	86.88
86.13				
17.4500	85.40	84.69	84.00	83.33
82.68				
17.7000	82.05	81.44	80.84	80.26
79.68				
17.9500	79.12	78.57	78.03	77.49
76.96				
18.2000	76.44	75.93	75.42	74.91
74.41				
18.4500	73.92	73.43	72.94	72.45
71.97				
18.7000	71.49	71.02	70.54	70.07
69.60				
18.9500	69.13	68.67	68.24	67.80
67.36				
19.2000	66.91	66.46	66.01	65.56
65.11				
19.4500	64.65	64.20	63.74	63.29
62.83				
19.7000	62.38	61.93	61.48	61.03
60.58				
19.9500	60.13	59.68	59.24	58.79
58.35				
20.2000	57.91	57.47	57.03	56.60
56.17				
20.4500	55.74	55.31	54.89	54.48
54.08				
20.7000	53.68	53.30	52.93	52.58
52.23				
20.9500	51.90	51.59	51.28	51.00
50.72				
21.2000	50.46	50.21	49.98	49.75
49.54				
21.4500	49.34	49.14	48.96	48.78
48.61				
21.7000	48.44	48.29	48.13	47.99
47.84				
21.9500	47.71	47.57	47.44	47.32
47.19				
22.2000	47.07	46.96	46.84	46.73
46.62				
22.4500	46.51	46.40	46.31	46.21
46.11				
22.7000	46.01	45.92	45.82	45.72
45.62				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.9500	45.53	45.43	45.34	45.24	45.15
23.2000	45.05	44.96	44.86	44.77	44.68
23.4500	44.58	44.49	44.40	44.31	44.22
23.7000	44.12	44.03	43.94	43.85	43.76
23.9500	43.67	43.58	43.48	43.37	43.23
24.2000	43.06	42.83	42.54	42.16	41.68
24.4500	41.07	40.33	39.46	38.46	37.35
24.7000	36.14	34.83	33.43	31.95	30.41
24.9500	28.84	27.38	25.99	24.59	23.21
25.2000	21.86	20.54	19.26	18.03	16.85
25.4500	15.72	14.66	13.76	13.02	12.30
25.7000	11.61	10.97	10.36	9.79	9.26
25.9500	8.75	8.26	7.81	7.37	6.96
26.2000	6.56	6.19	5.84	5.51	5.19
26.4500	4.90	4.62	4.37	4.24	4.11
26.7000	3.97	3.84	3.71	3.59	3.46
26.9500	3.34	3.22	3.11	3.00	2.90
27.2000	2.79	2.70	2.60	2.51	2.43
27.4500	2.34	2.26	2.19	2.11	2.04
27.7000	1.98	1.91	1.85	1.79	1.74

27.9500	1.68	1.63	1.58	1.53
1.49				
28.2000	1.45	1.41	1.37	1.33
1.30				
28.4500	1.26	1.23	1.20	1.17
1.14				
28.7000	1.11	1.09	1.06	1.04
1.01				
28.9500	.99	.97	.95	.93
.91				
29.2000	.89	.87	.85	.83
.82				
29.4500	.80	.79	.77	.75
.74				
29.7000	.73	.71	.70	.68
.67				
29.9500	.66	.65	.63	.62
.61				
30.2000	.60	.59	.58	.57
.56				
30.4500	.55	.54	.53	.52
.51				
30.7000	.50	.49	.48	.47
.46				
30.9500	.46	.45	.44	.43
.42				
31.2000	.42	.41	.40	.40
.39				
31.4500	.38	.38	.37	.36
.36				
31.7000	.35	.35	.34	.33
.33				
31.9500	.32	.32	.31	.31
.30				
32.2000	.30	.29	.29	.28
.28				
32.4500	.27	.27	.26	.26
.25				
32.7000	.25	.24	.24	.24
.23				
32.9500	.23	.22	.22	.22
.21				
33.2000	.21	.21	.20	.20
.20				
33.4500	.19	.19	.19	.18
.18				
33.7000	.18	.17	.17	.17
.16				
33.9500	.16	.16	.16	.15
.15				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.2000	.15	.15	.14	.14
34.4500	.14	.13	.13	.13
34.7000	.13	.12	.12	.12
34.9500	.11	.11	.11	.11
35.2000	.11	.10	.10	.10
35.4500	.10	.09	.09	.09
35.7000	.09	.09	.09	.08
35.9500	.08	.08	.08	.08
36.2000	.07	.07	.07	.07
36.4500	.07	.07	.07	.07
36.7000	.06	.06	.06	.06
36.9500	.06	.06	.06	.05
37.2000	.05	.05	.05	.05
37.4500	.05	.05	.05	.05
37.7000	.04	.04	.04	.04
37.9500	.04	.04	.04	.04
38.2000	.04	.04	.04	.03
38.4500	.03	.03	.03	.03
38.7000	.03	.03	.03	.03
38.9500	.03	.03	.03	.03

39.2000	.03	.03	.03	.03
.02				
39.4500	.02	.02	.02	.02
.02				
39.7000	.02	.02	.02	.02
.02				
39.9500	.02	.02	.02	.02
.02				
40.2000	.02	.02	.02	.02
.02				
40.4500	.02	.02	.02	.02
.02				
40.7000	.02	.02	.02	.02
.01				
40.9500	.01	.01	.01	.01
.01				
41.2000	.01	.01	.01	.01
.01				
41.4500	.01	.01	.01	.01
.01				
41.7000	.01	.01	.01	.01
.01				
41.9500	.01	.01	.01	.01
.01				
42.2000	.01	.01	.01	.01
.01				
42.4500	.01	.01	.01	.01
.01				
42.7000	.01	.01	.01	.01
.01				
42.9500	.01	.01	.01	.01
.01				
43.2000	.01	.01	.01	.01
.01				
43.4500	.01	.01	.01	.01
.01				
43.7000	.01	.01	.01	.01
.01				
43.9500	.01	.01	.01	.01
.01				
44.2000	.01	.01	.01	.01
.01				
44.4500	.01	.01	.01	.01
.01				
44.7000	.01	.01	.01	.01
.01				
44.9500	.01	.01	.01	.01
.01				
45.2000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.4500	.01	.01	.01	.01
45.7000	.01	.01	.01	.01
45.9500	.01	.01	.01	.01
46.2000	.01	.01	.01	.01
46.4500	.01	.01	.01	.01
46.7000	.01	.01	.01	.01
46.9500	.01	.01	.01	.01
47.2000	.01	.01	.01	.01
47.4500	.01	.01	.01	.01
47.7000	.01	.01	.01	.01
47.9500	.01	.01	.01	.01
48.2000	.01	.00	.00	.00
48.4500	.00	.00	.00	.00
48.7000	.00	.00	.00	.00
48.9500	.00	.00	.00	.00
49.2000	.00	.00	.00	.00
49.4500	.00	.00	.00	.00
49.7000	.00	.00	.00	.00
49.9500	.00	.00	.00	.00
50.2000	.00	.00	.00	.00

50.4500	.00	.00	.00	.00
.00				
50.7000	.00	.00	.00	.00
.00				
50.9500	.00	.00	.00	.00
.00				
51.2000	.00	.00	.00	.00
.00				
51.4500	.00	.00	.00	.00
.00				
51.7000	.00	.00	.00	.00
.00				
51.9500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J3 25
Outflow HYG file = NONE STORED - REACH 20 25

Reach Link Data = REACH 20
Reach Length = 1650.00 ft
Approx. Total Tt = .1399 hrs (based on Wtd.Q = 530.13 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1138.47 cfs	at	12.6500 hrs
Peak Outflow	=	1124.44 cfs	at	12.7500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	10136110
- Infiltration	=	0
- HYG Vol OUT	=	10136050
- Retained Vol	=	80
Unrouted Vol	=	23 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 20
HYG Tag = 25

Peak Discharge =	1124.44 cfs
Time to Peak =	12.7500 hrs
HYG Volume =	10136050 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6500	.00	.00	.00	.00 .00
3.9000	.00	.00	.00	.00 .00
4.1500	.00	.00	.00	.00 .00
4.4000	.00	.00	.00	.00 .01
4.6500	.01	.01	.01	.01 .02
4.9000	.04	.05	.07	.08 .10
5.1500	.11	.13	.15	.17 .19
5.4000	.21	.23	.25	.27 .30
5.6500	.32	.34	.37	.39 .42
5.9000	.45	.48	.50	.53 .56
6.1500	.59	.63	.66	.69 .73
6.4000	.76	.80	.83	.87 .91
6.6500	.95	.99	1.04	1.09 1.14
6.9000	1.20	1.26	1.32	1.38 1.45

7.1500	1.51	1.58	1.65	1.72	1.80
7.4000	1.87	1.95	2.02	2.10	2.18
7.6500	2.26	2.34	2.42	2.50	2.59
7.9000	2.67	2.76	2.84	2.93	3.02
8.1500	3.12	3.22	3.33	3.44	3.56
8.4000	3.69	3.82	3.97	4.12	4.29
8.6500	4.54	4.88	5.23	5.59	5.95
8.9000	6.33	6.71	7.11	7.53	7.97
9.1500	8.42	8.90	9.43	10.02	10.63
9.4000	11.28	11.94	12.63	13.32	14.04
9.6500	14.95	15.87	16.78	17.66	18.54
9.9000	19.41	20.28	21.17	22.08	23.02
10.1500	23.97	24.95	25.95	26.97	28.03
10.4000	29.29	30.59	31.90	33.25	34.64
10.6500	36.07	37.56	39.15	40.82	42.59
10.9000	44.45	46.40	48.69	51.04	53.48
11.1500	56.01	58.68	61.53	64.57	67.81

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.4000	71.49	75.44	79.66	84.26	89.34
11.6500	95.22	102.84	111.97	123.62	140.76
11.9000	164.16	195.72	237.07	287.68	346.41
12.1500	413.72	489.75	572.41	657.84	742.64
12.4000	825.48	902.82	968.55	1022.75	1066.69
12.6500	1097.99	1116.18	1124.44	1123.02	1111.49
12.9000	1092.32	1066.81	1034.63	997.32	956.79
13.1500	915.22	872.63	830.39	789.78	751.43
13.4000	715.29	681.02	649.88	620.48	592.97
13.6500	567.54	543.52	520.98	500.00	480.22
13.9000	461.51	444.26	427.91	412.40	397.77
14.1500	384.24	371.28	358.90	347.22	336.39
14.4000	326.10	316.25	306.90	298.00	289.54
14.6500	281.72	274.15	266.86	259.90	252.99
14.9000	245.72	238.30	230.94	223.67	216.65
15.1500	209.95	203.61	197.71	192.33	187.21
15.4000	182.36	177.78	173.44	169.32	165.39
15.6500	161.64	158.16	154.88	151.69	148.62
15.9000	145.66	142.84	140.15	137.59	135.16
16.1500	132.85	130.63	128.50	126.45	124.54

16.4000	122.75	120.98	119.26	117.58	115.94
16.6500	114.35	112.81	111.32	109.89	108.51
16.9000	107.18	105.91	104.70	103.53	102.42
17.1500	101.36	100.34	99.36	98.42	97.51
17.4000	96.64	95.80	94.99	94.26	93.53
17.6500	92.81	92.11	91.42	90.74	90.07
17.9000	89.41	88.77	88.13	87.51	86.89
18.1500	86.29	85.70	85.12	84.55	83.99
18.4000	83.43	82.87	82.32	81.77	81.23
18.6500	80.69	80.15	79.61	79.08	78.55
18.9000	78.02	77.49	76.97	76.44	75.92
19.1500	75.40	74.88	74.36	73.84	73.33
19.4000	72.81	72.30	71.78	71.27	70.76
19.6500	70.24	69.73	69.22	68.71	68.24
19.9000	67.76	67.27	66.78	66.28	65.78
20.1500	65.28	64.78	64.28	63.78	63.28
20.4000	62.79	62.31	61.83	61.36	60.90
20.6500	60.45	60.01	59.58	59.17	58.77
20.9000	58.39	58.03	57.68	57.35	57.04
21.1500	56.74	56.45	56.18	55.92	55.67
21.4000	55.43	55.21	54.99	54.78	54.59
21.6500	54.40	54.21	54.04	53.87	53.70
21.9000	53.55	53.39	53.24	53.10	52.96
22.1500	52.82	52.68	52.55	52.42	52.30
22.4000	52.17	52.05	51.93	51.81	51.69

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.6500	51.57	51.46	51.35	51.23	51.12
22.9000	51.01	50.90	50.79	50.68	50.58
23.1500	50.47	50.36	50.26	50.15	50.05
23.4000	49.94	49.84	49.74	49.63	49.53
23.6500	49.43	49.32	49.22	49.12	49.02
23.9000	48.92	48.81	48.71	48.60	48.47
24.1500	48.31	48.11	47.84	47.49	47.03
24.4000	46.45	45.80	44.99	44.03	42.91
24.6500	41.64	40.24	38.75	37.19	35.55
24.9000	33.85	32.10	30.33	28.55	27.00
25.1500	25.49	24.01	22.57	21.18	19.83
25.4000	18.53	17.30	16.14	15.04	14.03
25.6500	13.28	12.55	11.85	11.18	10.57
25.9000	9.99	9.44	8.92	8.43	7.97
26.1500	7.52	7.10	6.70	6.33	5.97
26.4000	5.63	5.31	5.01	4.72	4.46
26.6500	4.29	4.16	4.03	3.90	3.77
26.9000	3.64	3.52	3.39	3.27	3.16
27.1500	3.05	2.94	2.84	2.74	2.64
27.4000	2.55	2.46	2.38	2.30	2.22

27.6500	2.15	2.08	2.01	1.94	1.88
27.9000	1.82	1.76	1.71	1.66	1.61
28.1500	1.56	1.51	1.47	1.43	1.39
28.4000	1.35	1.32	1.28	1.25	1.22
28.6500	1.19	1.16	1.13	1.11	1.08
28.9000	1.06	1.03	1.01	.99	.96
29.1500	.94	.92	.90	.89	.87
29.4000	.85	.83	.82	.80	.78
29.6500	.77	.75	.74	.72	.71
29.9000	.70	.68	.67	.66	.65
30.1500	.63	.62	.61	.60	.59
30.4000	.58	.57	.56	.55	.54
30.6500	.53	.52	.51	.50	.49
30.9000	.48	.47	.47	.46	.45
31.1500	.44	.43	.43	.42	.41
31.4000	.40	.40	.39	.38	.38
31.6500	.37	.36	.36	.35	.35
31.9000	.34	.33	.33	.32	.32
32.1500	.31	.31	.30	.30	.29
32.4000	.29	.28	.28	.27	.27
32.6500	.26	.26	.25	.25	.25
32.9000	.24	.24	.23	.23	.22
33.1500	.22	.22	.21	.21	.21
33.4000	.20	.20	.20	.19	.19
33.6500	.19	.18	.18	.18	.17

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.9000	.17	.17	.16	.16
34.1500	.16	.15	.15	.15
34.4000	.14	.14	.14	.14
34.6500	.13	.13	.13	.13
34.9000	.12	.12	.12	.11
35.1500	.11	.11	.11	.11
35.4000	.10	.10	.10	.10
35.6500	.09	.09	.09	.09
35.9000	.09	.08	.08	.08
36.1500	.08	.08	.08	.07
36.4000	.07	.07	.07	.07
36.6500	.07	.07	.06	.06
36.9000	.06	.06	.06	.06
37.1500	.06	.05	.05	.05
37.4000	.05	.05	.05	.05
37.6500	.05	.05	.05	.04
37.9000	.04	.04	.04	.04
38.1500	.04	.04	.04	.04
38.4000	.04	.04	.04	.03
38.6500	.03	.03	.03	.03

38.9000	.03	.03	.03	.03
39.1500	.03	.03	.03	.03
39.4000	.03	.03	.02	.02
39.6500	.02	.02	.02	.02
39.9000	.02	.02	.02	.02
40.1500	.02	.02	.02	.02
40.4000	.02	.02	.02	.02
40.6500	.02	.02	.02	.02
40.9000	.02	.02	.01	.01
41.1500	.01	.01	.01	.01
41.4000	.01	.01	.01	.01
41.6500	.01	.01	.01	.01
41.9000	.01	.01	.01	.01
42.1500	.01	.01	.01	.01
42.4000	.01	.01	.01	.01
42.6500	.01	.01	.01	.01
42.9000	.01	.01	.01	.01
43.1500	.01	.01	.01	.01
43.4000	.01	.01	.01	.01
43.6500	.01	.01	.01	.01
43.9000	.01	.01	.01	.01
44.1500	.01	.01	.01	.01
44.4000	.01	.01	.01	.01
44.6500	.01	.01	.01	.01
44.9000	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.1500	.01	.01	.01	.01
45.4000	.01	.01	.01	.01
45.6500	.01	.01	.01	.01
45.9000	.01	.01	.01	.01
46.1500	.01	.01	.01	.01
46.4000	.01	.01	.01	.01
46.6500	.01	.01	.01	.01
46.9000	.01	.01	.01	.01
47.1500	.01	.01	.01	.01
47.4000	.01	.01	.01	.01
47.6500	.01	.01	.01	.01
47.9000	.01	.01	.01	.01
48.1500	.01	.01	.01	.00
48.4000	.00	.00	.00	.00
48.6500	.00	.00	.00	.00
48.9000	.00	.00	.00	.00
49.1500	.00	.00	.00	.00
49.4000	.00	.00	.00	.00
49.6500	.00	.00	.00	.00
49.9000	.00	.00	.00	.00

50.1500	.00	.00	.00	.00
.00				
50.4000	.00	.00	.00	.00
.00				
50.6500	.00	.00	.00	.00
.00				
50.9000	.00	.00	.00	.00
.00				
51.1500	.00	.00	.00	.00
.00				
51.4000	.00	.00	.00	.00
.00				
51.6500	.00	.00	.00	.00
.00				
51.9000	.00	.00	.00	.00
.00				
52.1500	.00			

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J3 100
Outflow HYG file = NONE STORED - REACH 20 100

Reach Link Data = REACH 20
Reach Length = 1650.00 ft
Approx. Total Tt = .1298 hrs (based on Wtd.Q = 700.93 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1526.80 cfs	at	12.6500 hrs
Peak Outflow	=	1510.31 cfs	at	12.7500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	13647480
- Infiltration	=	0
- HYG Vol OUT	=	13647410
- Retained Vol	=	80
Unrouted Vol	=	14 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 20
HYG Tag = 100

Peak Discharge =	1510.31 cfs
Time to Peak =	12.7500 hrs
HYG Volume =	13647410 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.0500	.00	.00	.00	.00 .00
3.3000	.00	.00	.00	.00 .00
3.5500	.00	.00	.00	.00 .00
3.8000	.00	.00	.00	.01 .01
4.0500	.01	.01	.02	.03 .05
4.3000	.06	.08	.10	.12 .14
4.5500	.16	.18	.20	.23 .25
4.8000	.27	.30	.33	.35 .38
5.0500	.41	.44	.47	.51 .54
5.3000	.57	.61	.64	.68 .72
5.5500	.76	.80	.84	.88 .93
5.8000	.98	1.03	1.09	1.15 1.21
6.0500	1.28	1.35	1.42	1.50 1.58
6.3000	1.65	1.74	1.82	1.90 1.99

6.5500	2.08	2.17	2.26	2.35	2.44
6.8000	2.54	2.63	2.73	2.83	2.93
7.0500	3.04	3.15	3.27	3.40	3.53
7.3000	3.67	3.81	3.97	4.13	4.31
7.5500	4.59	4.94	5.29	5.65	6.00
7.8000	6.37	6.73	7.11	7.49	7.89
8.0500	8.29	8.70	9.14	9.60	10.11
8.3000	10.64	11.18	11.73	12.30	12.88
8.5500	13.47	14.07	14.85	15.64	16.42
8.8000	17.20	17.99	18.78	19.59	20.42
9.0500	21.28	22.19	23.12	24.09	25.09
9.3000	26.11	27.15	28.23	29.50	30.76
9.5500	32.01	33.25	34.48	35.71	36.93
9.8000	38.15	39.39	40.65	41.92	43.20
10.0500	44.49	45.81	47.25	48.78	50.32
10.3000	51.88	53.49	55.15	56.87	58.66
10.5500	60.54	62.53	64.63	66.85	69.23

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.8000	71.89	74.63	77.49	80.46	83.56
11.0500	86.85	90.35	94.05	98.17	102.56
11.3000	107.13	111.97	117.15	122.71	128.95
11.5500	135.92	143.52	152.34	163.32	177.11
11.8000	194.70	220.30	254.75	298.24	352.95
12.0500	420.25	499.14	589.74	692.43	804.04
12.3000	918.42	1030.89	1140.02	1241.05	1325.39
12.5500	1393.23	1447.94	1484.61	1503.88	1510.31
12.8000	1503.95	1484.06	1454.24	1416.29	1369.53
13.0500	1316.27	1259.38	1201.51	1142.76	1085.04
13.3000	1029.73	978.10	929.24	883.69	841.66
13.5500	802.82	766.03	732.46	700.78	670.94
13.8000	643.31	617.35	592.99	570.29	548.95
14.0500	528.79	510.09	492.42	475.65	459.76
14.3000	445.11	431.21	417.99	405.45	393.81
14.5500	382.79	372.28	362.32	352.82	343.74
14.8000	335.41	327.39	319.69	312.39	305.46
15.0500	298.82	292.47	286.58	280.92	275.44
15.3000	270.15	265.03	260.06	255.25	250.57
15.5500	245.85	240.83	235.37	229.50	223.50

15.8000	217.55	211.75	206.17	200.88	196.04
16.0500	191.48	187.16	183.04	179.14	175.45
16.3000	171.94	168.59	165.40	162.35	159.48
16.5500	156.82	154.25	151.76	149.36	147.07
16.8000	144.88	142.79	140.80	138.89	137.08
17.0500	135.34	133.69	132.11	130.61	129.18
17.3000	127.82	126.52	125.28	124.15	123.04
17.5500	121.95	120.90	119.87	118.88	117.91
17.8000	116.96	116.03	115.12	114.23	113.36
18.0500	112.51	111.68	110.87	110.06	109.27
18.3000	108.50	107.73	106.97	106.22	105.48
18.5500	104.74	104.01	103.29	102.57	101.86
18.8000	101.15	100.45	99.75	99.05	98.36
19.0500	97.67	96.98	96.30	95.61	94.94
19.3000	94.31	93.66	93.01	92.36	91.70
19.5500	91.05	90.39	89.73	89.08	88.42
19.8000	87.77	87.11	86.46	85.81	85.16
20.0500	84.51	83.87	83.22	82.58	81.94
20.3000	81.29	80.65	80.02	79.39	78.77
20.5500	78.16	77.57	76.98	76.42	75.87
20.8000	75.34	74.83	74.34	73.87	73.42
21.0500	73.00	72.59	72.20	71.83	71.49
21.3000	71.15	70.84	70.54	70.25	69.98
21.5500	69.72	69.47	69.23	69.00	68.78
21.8000	68.58	68.39	68.20	68.01	67.83

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.0500	67.65	67.47	67.30	67.13	66.96
22.3000	66.80	66.64	66.48	66.33	66.17
22.5500	66.02	65.87	65.73	65.58	65.44
22.8000	65.30	65.16	65.02	64.88	64.74
23.0500	64.61	64.47	64.34	64.20	64.07
23.3000	63.93	63.80	63.67	63.53	63.40
23.5500	63.27	63.14	63.01	62.88	62.75
23.8000	62.62	62.49	62.36	62.23	62.10
24.0500	61.95	61.78	61.58	61.31	60.96
24.3000	60.50	59.90	59.14	58.20	57.08
24.5500	55.77	54.24	52.52	50.62	48.57
24.8000	46.41	44.38	42.27	40.13	37.96
25.0500	35.79	33.61	31.47	29.36	27.46
25.3000	25.80	24.21	22.68	21.21	19.80
25.5500	18.47	17.21	16.03	14.92	13.93
25.8000	13.18	12.45	11.76	11.11	10.50
26.0500	9.93	9.39	8.88	8.40	7.93
26.3000	7.49	7.08	6.68	6.31	5.96
26.5500	5.62	5.31	5.01	4.73	4.46
26.8000	4.29	4.16	4.04	3.91	3.78

27.0500	3.65	3.53	3.41	3.29
3.17				
27.3000	3.06	2.95	2.85	2.75
2.65				
27.5500	2.56	2.47	2.39	2.31
2.23				
27.8000	2.16	2.09	2.02	1.95
1.89				
28.0500	1.83	1.77	1.72	1.67
1.62				
28.3000	1.57	1.53	1.49	1.45
1.41				
28.5500	1.37	1.34	1.30	1.27
1.24				
28.8000	1.21	1.18	1.15	1.13
1.10				
29.0500	1.08	1.05	1.03	1.01
.98				
29.3000	.96	.94	.92	.90
.89				
29.5500	.87	.85	.83	.82
.80				
29.8000	.79	.77	.76	.74
.73				
30.0500	.71	.70	.69	.67
.66				
30.3000	.65	.64	.63	.62
.60				
30.5500	.59	.58	.57	.56
.55				
30.8000	.54	.53	.52	.51
.50				
31.0500	.49	.49	.48	.47
.46				
31.3000	.45	.44	.44	.43
.42				
31.5500	.41	.41	.40	.39
.39				
31.8000	.38	.37	.37	.36
.35				
32.0500	.35	.34	.34	.33
.33				
32.3000	.32	.31	.31	.30
.30				
32.5500	.29	.29	.28	.28
.27				
32.8000	.27	.27	.26	.26
.25				
33.0500	.25	.24	.24	.24
.23				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.3000	.23	.22	.22	.22 .21
33.5500	.21	.20	.20	.20 .19
33.8000	.19	.19	.18	.18 .18
34.0500	.18	.17	.17	.17 .16
34.3000	.16	.16	.16	.15 .15
34.5500	.15	.15	.14	.14 .14
34.8000	.14	.13	.13	.13 .13
35.0500	.12	.12	.12	.12 .12
35.3000	.11	.11	.11	.11 .11
35.5500	.10	.10	.10	.10 .10
35.8000	.10	.09	.09	.09 .09
36.0500	.09	.09	.09	.08 .08
36.3000	.08	.08	.08	.08 .08
36.5500	.07	.07	.07	.07 .07
36.8000	.07	.07	.07	.06 .06
37.0500	.06	.06	.06	.06 .06
37.3000	.06	.06	.06	.05 .05
37.5500	.05	.05	.05	.05 .05
37.8000	.05	.05	.05	.05 .05
38.0500	.04	.04	.04	.04 .04

38.3000	.04	.04	.04	.04
38.5500	.04	.04	.04	.04
38.8000	.03	.03	.03	.03
39.0500	.03	.03	.03	.03
39.3000	.03	.03	.03	.03
39.5500	.03	.03	.03	.03
39.8000	.02	.02	.02	.02
40.0500	.02	.02	.02	.02
40.3000	.02	.02	.02	.02
40.5500	.02	.02	.02	.02
40.8000	.02	.02	.02	.02
41.0500	.02	.02	.02	.01
41.3000	.01	.01	.01	.01
41.5500	.01	.01	.01	.01
41.8000	.01	.01	.01	.01
42.0500	.01	.01	.01	.01
42.3000	.01	.01	.01	.01
42.5500	.01	.01	.01	.01
42.8000	.01	.01	.01	.01
43.0500	.01	.01	.01	.01
43.3000	.01	.01	.01	.01
43.5500	.01	.01	.01	.01
43.8000	.01	.01	.01	.01
44.0500	.01	.01	.01	.01
44.3000	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
44.5500	.01	.01	.01	.01 .01
44.8000	.01	.01	.01	.01 .01
45.0500	.01	.01	.01	.01 .01
45.3000	.01	.01	.01	.01 .01
45.5500	.01	.01	.01	.01 .01
45.8000	.01	.01	.01	.01 .01
46.0500	.01	.01	.01	.01 .01
46.3000	.01	.01	.01	.01 .01
46.5500	.01	.01	.01	.01 .01
46.8000	.01	.01	.01	.01 .01
47.0500	.01	.01	.01	.01 .01
47.3000	.01	.01	.01	.01 .01
47.5500	.01	.01	.01	.01 .01
47.8000	.01	.01	.01	.01 .01
48.0500	.01	.01	.01	.01 .01
48.3000	.01	.01	.01	.01 .01
48.5500	.01	.00	.00	.00 .00
48.8000	.00	.00	.00	.00 .00
49.0500	.00	.00	.00	.00 .00
49.3000	.00	.00	.00	.00 .00

49.5500	.00	.00	.00	.00
49.8000	.00	.00	.00	.00
50.0500	.00	.00	.00	.00
50.3000	.00	.00	.00	.00
50.5500	.00	.00	.00	.00
50.8000	.00	.00	.00	.00
51.0500	.00	.00	.00	.00
51.3000	.00	.00	.00	.00
51.5500	.00	.00	.00	.00
51.8000	.00	.00	.00	.00
52.0500	.00	.00	.00	.00
52.3000	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J4 15
Outflow HYG file = NONE STORED - REACH 30 15

Reach Link Data = REACH 30
Reach Length = 2050.00 ft
Approx. Total Tt = .1764 hrs (based on Wtd.Q = 501.38 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
573.00	.00	0	0	.00	.00	.00
573.01	.01	308	30832	.00	.01	3.43
573.40	4.38	12957	34030	.00	4.38	148.34
573.80	14.11	27224	37310	.00	14.11	316.59
574.20	28.22	42805	40590	.00	28.22	503.82
574.60	46.44	59695	43870	.00	46.44	709.71
575.00	68.71	77900	47150	.00	68.71	934.27
575.40	95.06	97417	50430	.00	95.06	1177.48
575.80	125.54	118243	53710	.00	125.54	1439.36

576.20	160.25	140385	56990	.00	160.25
1720.08					
576.60	199.28	163835	60270	.00	199.28
2019.66					
577.00	242.75	188600	63550	.00	242.75
2338.30					
577.40	290.78	214678	66830	.00	290.78
2676.09					
577.80	343.48	242063	70110	.00	343.48
3033.07					
578.20	401.00	270765	73390	.00	401.00
3409.50					
578.60	463.44	300774	76670	.00	463.44
3805.38					
579.00	530.95	332100	79950	.00	530.95
4220.95					
579.40	603.65	364738	83230	.00	603.65
4656.29					
579.80	681.65	398683	86510	.00	681.65
5111.46					
580.20	765.10	433945	89790	.00	765.10
5586.71					

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J4 15
Outflow HYG file = NONE STORED - REACH 30 15

Reach Link Data = REACH 30
Reach Length = 2050.00 ft
Approx. Total Tt = .1764 hrs (based on Wtd.Q = 501.38 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
580.60	854.10	470514	93070	.00	854.10	6082.03
581.00	948.81	508400	96350	.00	948.81	6597.70
581.40	1049.34	547598	99630	.00	1049.34	7133.77
581.80	1155.80	588103	102910	.00	1155.80	7690.27
582.20	1268.33	629925	106190	.00	1268.33	8267.50
582.60	1387.03	673053	109470	.00	1387.03	8865.40
583.00	1512.05	717500	112750	.00	1512.05	9484.28
583.40	1643.51	763259	116030	.00	1643.51	10124.16
583.80	1781.49	810323	119310	.00	1781.49	10785.07

584.20	1926.15	858706	122590	.00	1926.15
11467.32					
584.60	2077.58	908393	125870	.00	2077.58
12170.83					
585.00	2235.92	959400	129150	.00	2235.92
12895.92					
585.40	2401.29	1011719	132430	.00	2401.29
13642.61					
585.80	2573.76	1065342	135710	.00	2573.76
14410.89					
586.20	2753.50	1120286	138990	.00	2753.50
15201.12					
586.60	2940.57	1176533	142270	.00	2940.57
16013.15					
587.00	3135.13	1234100	145550	.00	3135.13
16847.36					
587.40	3337.29	1292980	148830	.00	3337.29
17703.73					
587.80	3547.10	1353162	152110	.00	3547.10
18582.24					
588.20	3764.76	1414666	155390	.00	3764.76
19483.27					

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J4 15
Outflow HYG file = NONE STORED - REACH 30 15

Reach Link Data = REACH 30
Reach Length = 2050.00 ft
Approx. Total Tt = .1764 hrs (based on Wtd.Q = 501.38 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
588.60	3990.29	1477472	158670	.00	3990.29	20406.64
589.00	4223.88	1541600	161950	.00	4223.88	21352.77
589.40	4465.60	1607040	165230	.00	4465.60	22321.60
589.80	4715.52	1673782	168510	.00	4715.52	23313.10
590.20	4973.83	1741846	171790	.00	4973.83	24327.67
590.60	5240.55	1811212	175070	.00	5240.55	25365.12
591.00	5515.87	1881900	178350	.00	5515.87	26425.87
591.40	5799.85	1953901	181630	.00	5799.85	27509.86
591.80	6092.55	2027202	184910	.00	6092.55	28617.02

592.20	6394.18	2101826	188190	.00	6394.18
29747.80					
592.60	6704.73	2177752	191470	.00	6704.73
30901.96					
593.00	7024.40	2255000	194750	.00	7024.40
32079.95					

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J4 15
Outflow HYG file = NONE STORED - REACH 30 15

Reach Link Data = REACH 30
Reach Length = 2050.00 ft
Approx. Total Tt = .1764 hrs (based on Wtd.Q = 501.38 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1055.23 cfs	at	12.7500 hrs
Peak Outflow	=	1036.26 cfs	at	12.8500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	9996874
- Infiltration	=	0
- HYG Vol OUT	=	9996781
- Retained Vol	=	100
Unrouted Vol	=	7 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 30
HYG Tag = 15

Peak Discharge =	1036.26 cfs
Time to Peak =	12.8500 hrs
HYG Volume =	9996781 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.7000	.00	.00	.00	.00 .00
3.9500	.00	.00	.00	.00 .00
4.2000	.00	.00	.00	.01 .01
4.4500	.01	.01	.03	.05 .07
4.7000	.09	.11	.13	.15 .17
4.9500	.20	.22	.25	.27 .30
5.2000	.32	.35	.38	.41 .44
5.4500	.48	.51	.55	.58 .62
5.7000	.66	.69	.73	.78 .82
5.9500	.86	.90	.95	.99 1.04
6.2000	1.09	1.14	1.19	1.24 1.29
6.4500	1.34	1.39	1.45	1.50 1.56
6.7000	1.62	1.67	1.73	1.79 1.85
6.9500	1.92	1.98	2.04	2.11 2.18

7.2000	2.25	2.32	2.39	2.47	2.54
7.4500	2.62	2.70	2.78	2.87	2.95
7.7000	3.04	3.13	3.23	3.32	3.42
7.9500	3.51	3.61	3.71	3.82	3.92
8.2000	4.03	4.14	4.25	4.37	4.58
8.4500	4.81	5.03	5.25	5.46	5.68
8.7000	5.90	6.12	6.34	6.57	6.81
8.9500	7.05	7.30	7.55	7.82	8.10
9.2000	8.41	8.75	9.10	9.48	9.87
9.4500	10.28	10.70	11.14	11.59	12.05
9.7000	12.53	13.04	13.57	14.14	14.91
9.9500	15.69	16.48	17.29	18.14	19.03
10.2000	19.96	20.92	21.92	22.95	24.01
10.4500	25.11	26.25	27.43	28.73	30.21
10.7000	31.71	33.25	34.86	36.55	38.32
10.9500	40.17	42.10	44.12	46.24	48.70
11.2000	51.29	53.98	56.85	59.91	63.18

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.4500	66.66	70.56	74.96	79.82	85.49
11.7000	92.52	102.14	115.08	132.67	156.75
11.9500	189.33	231.88	284.97	346.63	413.22
12.2000	481.02	547.65	611.61	672.61	731.17
12.4500	787.43	840.89	890.20	933.68	970.62
12.7000	999.62	1020.06	1032.23	1036.26	1032.55
12.9500	1021.92	1005.00	982.22	954.46	923.45
13.2000	889.65	853.82	817.61	780.15	743.06
13.4500	707.77	674.76	644.40	615.67	589.01
13.7000	564.14	540.53	518.57	498.05	478.52
13.9500	460.10	443.09	426.89	411.44	396.89
14.2000	383.38	370.48	358.15	346.40	335.50
14.4500	325.18	315.34	305.90	296.72	287.76
14.7000	279.05	270.37	261.79	253.37	245.17
14.9500	237.46	230.13	223.11	216.43	210.08
15.2000	204.06	198.40	193.24	188.31	183.63
15.4500	179.21	175.01	171.03	167.23	163.59
15.7000	160.12	156.96	153.88	150.90	148.00
15.9500	145.22	142.55	140.00	137.55	135.21
16.2000	132.95	130.79	128.70	126.69	124.80

16.4500	123.03	121.30	119.61	117.97	116.36
16.7000	114.81	113.30	111.84	110.43	109.07
16.9500	107.76	106.52	105.32	104.17	103.06
17.2000	101.98	100.95	99.95	98.99	98.06
17.4500	97.16	96.29	95.45	94.66	93.92
17.7000	93.19	92.47	91.76	91.07	90.40
17.9500	89.73	89.08	88.44	87.81	87.19
18.2000	86.58	85.97	85.38	84.80	84.22
18.4500	83.65	83.08	82.52	81.96	81.41
18.7000	80.86	80.32	79.78	79.25	78.71
18.9500	78.18	77.65	77.13	76.62	76.11
19.2000	75.60	75.10	74.60	74.09	73.59
19.4500	73.08	72.58	72.08	71.57	71.06
19.7000	70.56	70.05	69.55	69.05	68.56
19.9500	68.09	67.62	67.15	66.67	66.18
20.2000	65.70	65.22	64.74	64.26	63.78
20.4500	63.31	62.84	62.38	61.93	61.48
20.7000	61.04	60.60	60.18	59.76	59.36
20.9500	58.97	58.58	58.22	57.86	57.52
21.2000	57.19	56.87	56.56	56.27	55.99
21.4500	55.73	55.47	55.23	54.99	54.77
21.7000	54.55	54.35	54.15	53.96	53.77
21.9500	53.60	53.43	53.26	53.10	52.95
22.2000	52.80	52.65	52.51	52.37	52.23
22.4500	52.10	51.97	51.85	51.73	51.61

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.7000	51.49	51.37	51.26	51.15	51.04
22.9500	50.93	50.82	50.71	50.60	50.49
23.2000	50.38	50.28	50.17	50.06	49.96
23.4500	49.85	49.75	49.65	49.54	49.44
23.7000	49.34	49.23	49.13	49.03	48.93
23.9500	48.83	48.72	48.62	48.49	48.31
24.2000	48.06	47.72	47.28	46.75	46.16
24.4500	45.55	44.86	44.11	43.30	42.42
24.7000	41.47	40.46	39.37	38.21	36.98
24.9500	35.69	34.36	33.01	31.65	30.28
25.2000	28.91	27.65	26.48	25.30	24.12
25.4500	22.94	21.77	20.63	19.54	18.50
25.7000	17.52	16.58	15.69	14.84	14.06
25.9500	13.47	12.90	12.34	11.79	11.25
26.2000	10.73	10.23	9.74	9.27	8.82
26.4500	8.38	7.96	7.56	7.18	6.84
26.7000	6.51	6.21	5.93	5.67	5.42
26.9500	5.18	4.96	4.76	4.56	4.38
27.2000	4.28	4.19	4.10	4.01	3.91
27.4500	3.82	3.73	3.64	3.55	3.46

27.7000	3.37	3.29	3.20	3.12	3.04
27.9500	2.96	2.88	2.80	2.73	2.65
28.2000	2.58	2.51	2.44	2.38	2.31
28.4500	2.25	2.19	2.13	2.07	2.02
28.7000	1.97	1.91	1.86	1.81	1.77
28.9500	1.72	1.68	1.63	1.59	1.55
29.2000	1.51	1.47	1.44	1.40	1.37
29.4500	1.33	1.30	1.27	1.24	1.21
29.7000	1.18	1.15	1.12	1.10	1.07
29.9500	1.05	1.02	1.00	.98	.96
30.2000	.94	.92	.90	.88	.86
30.4500	.84	.82	.80	.79	.77
30.7000	.75	.74	.72	.71	.69
30.9500	.68	.67	.65	.64	.63
31.2000	.61	.60	.59	.58	.57
31.4500	.56	.55	.54	.53	.52
31.7000	.51	.50	.49	.48	.47
31.9500	.46	.45	.44	.44	.43
32.2000	.42	.41	.40	.40	.39
32.4500	.38	.38	.37	.36	.36
32.7000	.35	.34	.34	.33	.33
32.9500	.32	.31	.31	.30	.30
33.2000	.29	.29	.28	.28	.27
33.4500	.27	.26	.26	.25	.25
33.7000	.25	.24	.24	.23	.23

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.9500	.23	.22	.22	.21
34.2000	.21	.20	.20	.20
34.4500	.19	.19	.18	.18
34.7000	.17	.17	.17	.16
34.9500	.16	.16	.15	.15
35.2000	.15	.14	.14	.14
35.4500	.13	.13	.13	.13
35.7000	.12	.12	.12	.12
35.9500	.11	.11	.11	.11
36.2000	.10	.10	.10	.10
36.4500	.09	.09	.09	.09
36.7000	.09	.09	.08	.08
36.9500	.08	.08	.08	.08
37.2000	.07	.07	.07	.07
37.4500	.07	.07	.06	.06
37.7000	.06	.06	.06	.06
37.9500	.06	.06	.05	.05
38.2000	.05	.05	.05	.05
38.4500	.05	.05	.05	.05
38.7000	.04	.04	.04	.04

38.9500	.04	.04	.04	.04
39.2000	.04	.04	.04	.03
39.4500	.03	.03	.03	.03
39.7000	.03	.03	.03	.03
39.9500	.03	.03	.03	.03
40.2000	.03	.03	.03	.02
40.4500	.02	.02	.02	.02
40.7000	.02	.02	.02	.02
40.9500	.02	.02	.02	.02
41.2000	.02	.02	.02	.02
41.4500	.02	.02	.02	.02
41.7000	.02	.02	.02	.01
41.9500	.01	.01	.01	.01
42.2000	.01	.01	.01	.01
42.4500	.01	.01	.01	.01
42.7000	.01	.01	.01	.01
42.9500	.01	.01	.01	.01
43.2000	.01	.01	.01	.01
43.4500	.01	.01	.01	.01
43.7000	.01	.01	.01	.01
43.9500	.01	.01	.01	.01
44.2000	.01	.01	.01	.01
44.4500	.01	.01	.01	.01
44.7000	.01	.01	.01	.01
44.9500	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.2000	.01	.01	.01	.01
45.4500	.01	.01	.01	.01
45.7000	.01	.01	.01	.01
45.9500	.01	.01	.01	.01
46.2000	.01	.01	.01	.01
46.4500	.01	.01	.01	.01
46.7000	.01	.01	.01	.01
46.9500	.01	.01	.01	.01
47.2000	.01	.01	.01	.01
47.4500	.01	.01	.01	.01
47.7000	.01	.01	.01	.01
47.9500	.01	.01	.01	.01
48.2000	.01	.01	.01	.01
48.4500	.01	.01	.01	.01
48.7000	.01	.01	.01	.01
48.9500	.01	.01	.01	.01
49.2000	.01	.01	.01	.01
49.4500	.01	.01	.01	.01
49.7000	.01	.01	.01	.01
49.9500	.01	.01	.01	.01

50.2000	.01	.01	.01	.01
.01				
50.4500	.01	.01	.01	.01
.01				
50.7000	.01	.01	.01	.01
.01				
50.9500	.01	.01	.01	.01
.01				
51.2000	.01	.01	.01	.01
.01				
51.4500	.01	.01	.01	.01
.01				
51.7000	.01	.01	.01	.01
.01				
51.9500	.01	.01	.01	.01
.01				
52.2000	.01	.01	.01	.01
.01				
52.4500	.01	.01	.01	.01
.01				
52.7000	.01	.01	.01	.01
.01				
52.9500	.01	.01	.01	.01
.01				
53.2000	.01	.01	.01	.01
.01				
53.4500	.01	.01	.01	.01
.01				
53.7000	.01	.01	.01	.01
.01				
53.9500	.01	.01	.01	.01
.01				
54.2000	.01	.01	.01	.01
.01				
54.4500	.01	.01	.01	.01
.01				
54.7000	.01	.01	.01	.01
.00				
54.9500	.00	.00	.00	.00
.00				
55.2000	.00	.00	.00	.00
.00				
55.4500	.00	.00	.00	.00
.00				
55.7000	.00	.00	.00	.00
.00				
55.9500	.00	.00	.00	.00
.00				
56.2000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
56.4500	.00	.00	.00	.00
56.7000	.00	.00	.00	.00
56.9500	.00	.00	.00	.00
57.2000	.00	.00	.00	.00
57.4500	.00	.00	.00	.00
57.7000	.00	.00	.00	.00
57.9500	.00	.00	.00	.00
58.2000	.00	.00	.00	.00
58.4500	.00	.00	.00	.00
58.7000	.00	.00	.00	.00
58.9500	.00	.00	.00	.00
59.2000	.00	.00	.00	.00
59.4500	.00	.00	.00	.00

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J4 25
Outflow HYG file = NONE STORED - REACH 30 25

Reach Link Data = REACH 30
Reach Length = 2050.00 ft
Approx. Total Tt = .1702 hrs (based on Wtd.Q = 572.59 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1208.96 cfs	at	12.7500 hrs
Peak Outflow	=	1188.88 cfs	at	12.8500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	11453160
- Infiltration	=	0
- HYG Vol OUT	=	11453070
- Retained Vol	=	100
Unrouted Vol	=	10 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 30
HYG Tag = 25

Peak Discharge =	1188.88 cfs
Time to Peak =	12.8500 hrs
HYG Volume =	11453070 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.4000	.00	.00	.00	.00 .00
3.6500	.00	.00	.00	.00 .00
3.9000	.00	.00	.00	.01 .01
4.1500	.01	.02	.04	.06 .08
4.4000	.10	.12	.14	.17 .19
4.6500	.22	.24	.27	.30 .33
4.9000	.36	.39	.42	.45 .49
5.1500	.52	.56	.60	.64 .68
5.4000	.72	.76	.81	.85 .90
5.6500	.95	.99	1.04	1.09 1.15
5.9000	1.20	1.25	1.31	1.36 1.42
6.1500	1.48	1.53	1.59	1.65 1.72
6.4000	1.78	1.84	1.91	1.98 2.04
6.6500	2.11	2.19	2.26	2.33 2.41

6.9000	2.49	2.57	2.66	2.74	2.83
7.1500	2.92	3.01	3.11	3.20	3.30
7.4000	3.40	3.51	3.61	3.72	3.83
7.6500	3.94	4.05	4.16	4.28	4.41
7.9000	4.64	4.86	5.06	5.27	5.46
8.1500	5.66	5.85	6.04	6.23	6.42
8.4000	6.62	6.82	7.03	7.25	7.48
8.6500	7.73	8.00	8.29	8.61	8.95
8.9000	9.32	9.70	10.11	10.54	10.98
9.1500	11.45	11.93	12.44	12.97	13.52
9.4000	14.10	14.87	15.65	16.42	17.20
9.6500	18.00	18.83	19.70	20.59	21.50
9.9000	22.43	23.39	24.37	25.37	26.41
10.1500	27.47	28.62	29.92	31.23	32.56
10.4000	33.92	35.34	36.81	38.32	39.89
10.6500	41.51	43.19	44.93	46.79	48.92
10.9000	51.11	53.37	55.74	58.25	60.88

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.1500	63.64	66.55	69.71	73.27	77.01
11.4000	80.98	85.24	89.82	94.80	100.75
11.6500	107.65	116.17	127.33	142.77	163.33
11.9000	191.79	229.95	279.69	341.23	412.24
12.1500	488.17	565.29	641.13	714.07	783.54
12.4000	850.12	914.72	975.59	1031.05	1079.98
12.6500	1120.92	1152.25	1174.06	1186.20	1188.88
12.9000	1182.64	1168.49	1147.34	1119.93	1086.93
13.1500	1049.72	1010.37	968.88	926.92	885.37
13.4000	844.65	805.49	766.84	730.14	695.61
13.6500	664.09	635.02	607.71	582.65	559.07
13.9000	536.75	516.13	496.74	478.32	460.91
14.1500	444.84	429.52	414.92	401.01	388.25
14.4000	376.08	364.47	353.40	342.88	333.18
14.6500	323.89	315.01	306.51	298.37	290.54
14.9000	283.15	275.73	268.28	260.82	253.40
15.1500	246.09	239.12	232.48	226.06	219.92
15.4000	214.05	208.46	203.13	198.11	193.48
15.6500	189.02	184.74	180.65	176.74	172.99
15.9000	169.40	165.94	162.63	159.49	156.60

16.1500	153.80	151.09	148.49	145.97	143.57
16.4000	141.27	139.08	136.99	134.97	133.02
16.6500	131.14	129.32	127.56	125.86	124.29
16.9000	122.78	121.31	119.87	118.48	117.14
17.1500	115.84	114.59	113.38	112.22	111.10
17.4000	110.02	108.98	107.97	107.01	106.09
17.6500	105.20	104.34	103.51	102.69	101.90
17.9000	101.12	100.36	99.61	98.88	98.16
18.1500	97.46	96.76	96.08	95.41	94.77
18.4000	94.16	93.55	92.94	92.33	91.72
18.6500	91.12	90.51	89.91	89.31	88.71
18.9000	88.12	87.53	86.94	86.35	85.76
19.1500	85.17	84.59	84.01	83.43	82.85
19.4000	82.27	81.70	81.12	80.55	79.97
19.6500	79.40	78.83	78.26	77.68	77.12
19.9000	76.56	76.01	75.45	74.90	74.35
20.1500	73.79	73.24	72.69	72.14	71.59
20.4000	71.05	70.51	69.99	69.46	68.95
20.6500	68.47	68.01	67.56	67.11	66.66
20.9000	66.23	65.80	65.39	64.99	64.60
21.1500	64.22	63.86	63.52	63.18	62.86
21.4000	62.56	62.26	61.98	61.71	61.45
21.6500	61.20	60.97	60.74	60.52	60.31
21.9000	60.10	59.91	59.72	59.53	59.36
22.1500	59.18	59.02	58.85	58.69	58.54

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.4000	58.39	58.24	58.10	57.95	57.81
22.6500	57.68	57.54	57.41	57.27	57.14
22.9000	57.02	56.89	56.76	56.64	56.51
23.1500	56.39	56.27	56.15	56.03	55.91
23.4000	55.79	55.67	55.56	55.44	55.32
23.6500	55.21	55.09	54.98	54.86	54.75
23.9000	54.63	54.52	54.40	54.28	54.14
24.1500	53.94	53.66	53.28	52.78	52.18
24.4000	51.48	50.70	49.86	48.96	47.99
24.6500	46.95	45.89	44.81	43.63	42.37
24.9000	41.04	39.62	38.15	36.61	35.05
25.1500	33.50	31.95	30.42	28.91	27.54
25.4000	26.28	25.02	23.77	22.54	21.33
25.6500	20.18	19.08	18.04	17.06	16.13
25.9000	15.25	14.41	13.74	13.15	12.58
26.1500	12.02	11.48	10.95	10.43	9.94
26.4000	9.46	9.00	8.55	8.13	7.72
26.6500	7.33	6.97	6.64	6.33	6.04
26.9000	5.77	5.52	5.28	5.05	4.84
27.1500	4.64	4.45	4.32	4.23	4.14

27.4000	4.04	3.95	3.86	3.77
3.68				
27.6500	3.59	3.50	3.41	3.32
3.24				
27.9000	3.15	3.07	2.99	2.91
2.83				
28.1500	2.76	2.69	2.61	2.54
2.47				
28.4000	2.41	2.34	2.28	2.22
2.16				
28.6500	2.10	2.05	1.99	1.94
1.89				
28.9000	1.84	1.79	1.74	1.70
1.66				
29.1500	1.61	1.57	1.53	1.49
1.46				
29.4000	1.42	1.39	1.35	1.32
1.29				
29.6500	1.26	1.23	1.20	1.17
1.14				
29.9000	1.12	1.09	1.07	1.04
1.02				
30.1500	.99	.97	.95	.93
.91				
30.4000	.89	.87	.85	.83
.82				
30.6500	.80	.78	.77	.75
.74				
30.9000	.72	.71	.69	.68
.66				
31.1500	.65	.64	.63	.61
.60				
31.4000	.59	.58	.57	.56
.55				
31.6500	.54	.53	.52	.51
.50				
31.9000	.49	.48	.47	.46
.45				
32.1500	.44	.44	.43	.42
.41				
32.4000	.40	.40	.39	.38
.38				
32.6500	.37	.36	.36	.35
.34				
32.9000	.34	.33	.33	.32
.31				
33.1500	.31	.30	.30	.29
.29				
33.4000	.28	.28	.27	.27
.26				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.6500	.26	.25	.25	.25 .24
33.9000	.24	.23	.23	.23 .22
34.1500	.22	.21	.21	.21 .20
34.4000	.20	.20	.19	.19 .19
34.6500	.18	.18	.18	.17 .17
34.9000	.17	.16	.16	.16 .16
35.1500	.15	.15	.15	.15 .14
35.4000	.14	.14	.14	.13 .13
35.6500	.13	.13	.13	.12 .12
35.9000	.12	.12	.11	.11 .11
36.1500	.11	.11	.11	.10 .10
36.4000	.10	.10	.10	.09 .09
36.6500	.09	.09	.09	.09 .09
36.9000	.08	.08	.08	.08 .08
37.1500	.08	.08	.07	.07 .07
37.4000	.07	.07	.07	.07 .07
37.6500	.06	.06	.06	.06 .06
37.9000	.06	.06	.06	.06 .06
38.1500	.05	.05	.05	.05 .05
38.4000	.05	.05	.05	.05 .05

38.6500	.05	.05	.04	.04
.04				
38.9000	.04	.04	.04	.04
.04				
39.1500	.04	.04	.04	.04
.04				
39.4000	.04	.03	.03	.03
.03				
39.6500	.03	.03	.03	.03
.03				
39.9000	.03	.03	.03	.03
.03				
40.1500	.03	.03	.03	.03
.03				
40.4000	.03	.02	.02	.02
.02				
40.6500	.02	.02	.02	.02
.02				
40.9000	.02	.02	.02	.02
.02				
41.1500	.02	.02	.02	.02
.02				
41.4000	.02	.02	.02	.02
.02				
41.6500	.02	.02	.02	.02
.02				
41.9000	.02	.01	.01	.01
.01				
42.1500	.01	.01	.01	.01
.01				
42.4000	.01	.01	.01	.01
.01				
42.6500	.01	.01	.01	.01
.01				
42.9000	.01	.01	.01	.01
.01				
43.1500	.01	.01	.01	.01
.01				
43.4000	.01	.01	.01	.01
.01				
43.6500	.01	.01	.01	.01
.01				
43.9000	.01	.01	.01	.01
.01				
44.1500	.01	.01	.01	.01
.01				
44.4000	.01	.01	.01	.01
.01				
44.6500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
44.9000	.01	.01	.01	.01
45.1500	.01	.01	.01	.01
45.4000	.01	.01	.01	.01
45.6500	.01	.01	.01	.01
45.9000	.01	.01	.01	.01
46.1500	.01	.01	.01	.01
46.4000	.01	.01	.01	.01
46.6500	.01	.01	.01	.01
46.9000	.01	.01	.01	.01
47.1500	.01	.01	.01	.01
47.4000	.01	.01	.01	.01
47.6500	.01	.01	.01	.01
47.9000	.01	.01	.01	.01
48.1500	.01	.01	.01	.01
48.4000	.01	.01	.01	.01
48.6500	.01	.01	.01	.01
48.9000	.01	.01	.01	.01
49.1500	.01	.01	.01	.01
49.4000	.01	.01	.01	.01
49.6500	.01	.01	.01	.01

49.9000	.01	.01	.01	.01
50.1500	.01	.01	.01	.01
50.4000	.01	.01	.01	.01
50.6500	.01	.01	.01	.01
50.9000	.01	.01	.01	.01
51.1500	.01	.01	.01	.01
51.4000	.01	.01	.01	.01
51.6500	.01	.01	.01	.01
51.9000	.01	.01	.01	.01
52.1500	.01	.01	.01	.01
52.4000	.01	.01	.01	.01
52.6500	.01	.01	.01	.01
52.9000	.01	.01	.01	.01
53.1500	.01	.01	.01	.01
53.4000	.01	.01	.01	.01
53.6500	.01	.01	.01	.01
53.9000	.01	.01	.01	.01
54.1500	.01	.01	.01	.01
54.4000	.01	.01	.01	.01
54.6500	.01	.01	.01	.01
54.9000	.01	.01	.00	.00
55.1500	.00	.00	.00	.00
55.4000	.00	.00	.00	.00
55.6500	.00	.00	.00	.00
55.9000	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
56.1500	.00	.00	.00	.00
56.4000	.00	.00	.00	.00
56.6500	.00	.00	.00	.00
56.9000	.00	.00	.00	.00
57.1500	.00	.00	.00	.00
57.4000	.00	.00	.00	.00
57.6500	.00	.00	.00	.00
57.9000	.00	.00	.00	.00
58.1500	.00	.00	.00	.00
58.4000	.00	.00	.00	.00
58.6500	.00	.00	.00	.00
58.9000	.00	.00	.00	.00
59.1500	.00	.00	.00	.00
59.4000	.00	.00	.00	.00
59.6500	.00	.00		

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J4 100
Outflow HYG file = NONE STORED - REACH 30 100

Reach Link Data = REACH 30
Reach Length = 2050.00 ft
Approx. Total Tt = .1580 hrs (based on Wtd.Q = 757.39 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1613.23 cfs	at	12.7000 hrs
Peak Outflow	=	1589.79 cfs	at	12.8000 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	15347770
- Infiltration	=	0
- HYG Vol OUT	=	15347690
- Retained Vol	=	100
Unrouted Vol	=	19 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 30
HYG Tag = 100

Peak Discharge =	1589.79 cfs
Time to Peak =	12.8000 hrs
HYG Volume =	15347690 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
2.8500	.00	.00	.00	.00 .00
3.1000	.00	.00	.00	.00 .00
3.3500	.00	.00	.01	.01 .01
3.6000	.03	.06	.08	.11 .14
3.8500	.16	.19	.22	.25 .29
4.1000	.32	.35	.39	.42 .46
4.3500	.50	.54	.58	.63 .67
4.6000	.72	.77	.81	.87 .92
4.8500	.97	1.03	1.08	1.14 1.20
5.1000	1.26	1.32	1.39	1.45 1.52
5.3500	1.58	1.65	1.72	1.79 1.87
5.6000	1.94	2.02	2.09	2.17 2.26
5.8500	2.34	2.43	2.52	2.61 2.70
6.1000	2.80	2.90	3.01	3.11 3.22

6.3500	3.33	3.44	3.56	3.68
3.80				
6.6000	3.92	4.05	4.18	4.31
4.50				
6.8500	4.75	5.00	5.23	5.46
5.69				
7.1000	5.91	6.12	6.33	6.55
6.76				
7.3500	6.97	7.19	7.41	7.63
7.86				
7.6000	8.11	8.38	8.67	8.98
9.30				
7.8500	9.63	9.98	10.34	10.72
11.10				
8.1000	11.50	11.91	12.34	12.78
13.25				
8.3500	13.74	14.30	15.00	15.70
16.41				
8.6000	17.14	17.89	18.67	19.49
20.34				
8.8500	21.20	22.09	23.00	23.94
24.89				
9.1000	25.87	26.87	27.90	29.08
30.32				
9.3500	31.55	32.78	34.02	35.29
36.58				
9.6000	37.88	39.18	40.50	41.82
43.16				
9.8500	44.52	45.90	47.42	49.01
50.60				
10.1000	52.21	53.85	55.53	57.26
59.04				
10.3500	60.88	62.77	64.73	66.75
68.85				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.6000	71.22	73.66	76.16	78.77	81.52
10.8500	84.42	87.48	90.69	94.06	97.78
11.1000	101.74	105.85	110.19	114.81	119.74
11.3500	125.00	130.93	137.24	143.97	151.31
11.6000	159.55	169.71	182.14	197.96	219.59
11.8500	248.61	288.51	341.74	410.16	493.51
12.1000	588.03	688.62	791.38	897.23	1003.26
12.3500	1101.25	1190.15	1272.03	1347.54	1414.37
12.6000	1472.69	1520.83	1556.89	1579.61	1589.79
12.8500	1587.64	1573.86	1549.87	1516.63	1475.59
13.1000	1427.59	1374.77	1319.32	1261.80	1204.58
13.3500	1148.01	1093.88	1041.70	992.74	946.26
13.6000	903.10	862.04	823.77	786.92	751.49
13.8500	718.58	688.16	660.45	634.64	610.35
14.1000	587.93	566.91	546.98	528.17	510.79
14.3500	494.29	478.63	463.76	450.11	437.11
14.6000	424.73	412.96	401.76	391.40	381.50
14.8500	372.07	363.06	354.44	346.22	338.55
15.1000	331.27	324.26	317.56	311.14	304.97
15.3500	299.02	293.28	287.84	282.64	277.53

15.6000	272.42	267.23	261.84	256.24	250.48
15.8500	244.63	238.93	233.32	227.81	222.46
16.1000	217.31	212.36	207.62	203.09	198.79
16.3500	194.86	191.06	187.41	183.92	180.59
16.6000	177.42	174.40	171.51	168.74	166.08
16.8500	163.55	161.12	158.87	156.74	154.69
17.1000	152.70	150.79	148.95	147.19	145.50
17.3500	143.88	142.33	140.86	139.45	138.10
17.6000	136.81	135.55	134.35	133.18	132.04
17.8500	130.93	129.86	128.81	127.78	126.78
18.1000	125.80	124.89	123.99	123.10	122.23
18.3500	121.35	120.49	119.64	118.79	117.95
18.6000	117.12	116.30	115.49	114.68	113.88
18.8500	113.08	112.29	111.50	110.72	109.95
19.1000	109.17	108.40	107.64	106.88	106.12
19.3500	105.38	104.64	103.91	103.18	102.44
19.6000	101.71	100.98	100.26	99.53	98.80
19.8500	98.07	97.34	96.62	95.89	95.17
20.1000	94.49	93.81	93.12	92.43	91.74
20.3500	91.05	90.37	89.68	89.01	88.34
20.6000	87.68	87.04	86.40	85.78	85.17
20.8500	84.58	84.00	83.44	82.90	82.38
21.1000	81.88	81.40	80.94	80.49	80.07
21.3500	79.66	79.28	78.91	78.55	78.22
21.6000	77.89	77.59	77.29	77.01	76.74

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
21.8500	76.48	76.23	75.99	75.77	75.54
22.1000	75.33	75.12	74.92	74.72	74.52
22.3500	74.33	74.14	73.96	73.78	73.60
22.6000	73.43	73.26	73.09	72.92	72.76
22.8500	72.59	72.43	72.28	72.12	71.96
23.1000	71.81	71.65	71.50	71.35	71.20
23.3500	71.05	70.90	70.75	70.60	70.45
23.6000	70.30	70.16	70.01	69.87	69.72
23.8500	69.57	69.43	69.28	69.14	68.98
24.1000	68.79	68.55	68.21	67.73	67.11
24.3500	66.35	65.47	64.48	63.39	62.21
24.6000	60.93	59.55	58.05	56.44	54.71
24.8500	52.90	51.03	49.10	47.12	45.24
25.1000	43.38	41.47	39.52	37.55	35.62
25.3500	33.74	31.92	30.15	28.45	27.01
25.6000	25.63	24.27	22.94	21.66	20.44
25.8500	19.29	18.21	17.19	16.23	15.32
26.1000	14.47	13.77	13.17	12.60	12.03
26.3500	11.48	10.95	10.43	9.94	9.46
26.6000	9.00	8.55	8.13	7.72	7.33

26.8500	6.97	6.64	6.33	6.04	5.77
27.1000	5.52	5.28	5.06	4.85	4.65
27.3500	4.46	4.33	4.23	4.14	4.05
27.6000	3.96	3.87	3.77	3.68	3.59
27.8500	3.51	3.42	3.33	3.25	3.16
28.1000	3.08	3.00	2.92	2.84	2.77
28.3500	2.70	2.62	2.55	2.49	2.42
28.6000	2.36	2.29	2.23	2.17	2.12
28.8500	2.06	2.01	1.95	1.90	1.85
29.1000	1.81	1.76	1.72	1.67	1.63
29.3500	1.59	1.55	1.51	1.47	1.44
29.6000	1.40	1.37	1.34	1.30	1.27
29.8500	1.24	1.22	1.19	1.16	1.13
30.1000	1.11	1.08	1.06	1.03	1.01
30.3500	.99	.97	.95	.93	.91
30.6000	.89	.87	.85	.83	.82
30.8500	.80	.78	.77	.75	.74
31.1000	.72	.71	.69	.68	.67
31.3500	.65	.64	.63	.61	.60
31.6000	.59	.58	.57	.56	.55
31.8500	.54	.53	.52	.51	.50
32.1000	.49	.48	.47	.46	.45
32.3500	.45	.44	.43	.42	.41
32.6000	.41	.40	.39	.39	.38
32.8500	.37	.37	.36	.35	.35

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.1000	.34	.33	.33	.32
33.3500	.31	.31	.30	.30
33.6000	.29	.28	.28	.27
33.8500	.26	.26	.25	.25
34.1000	.24	.24	.23	.23
34.3500	.22	.22	.21	.21
34.6000	.20	.20	.19	.19
34.8500	.18	.18	.18	.18
35.1000	.17	.17	.16	.16
35.3500	.16	.15	.15	.15
35.6000	.14	.14	.14	.14
35.8500	.13	.13	.13	.12
36.1000	.12	.12	.12	.11
36.3500	.11	.11	.11	.10
36.6000	.10	.10	.10	.10
36.8500	.09	.09	.09	.09
37.1000	.08	.08	.08	.08
37.3500	.08	.08	.08	.07
37.6000	.07	.07	.07	.07
37.8500	.07	.06	.06	.06

38.1000	.06	.06	.06	.06
.06				
38.3500	.06	.05	.05	.05
.05				
38.6000	.05	.05	.05	.05
.05				
38.8500	.05	.05	.04	.04
.04				
39.1000	.04	.04	.04	.04
.04				
39.3500	.04	.04	.04	.04
.04				
39.6000	.04	.04	.03	.03
.03				
39.8500	.03	.03	.03	.03
.03				
40.1000	.03	.03	.03	.03
.03				
40.3500	.03	.03	.03	.03
.03				
40.6000	.03	.03	.02	.02
.02				
40.8500	.02	.02	.02	.02
.02				
41.1000	.02	.02	.02	.02
.02				
41.3500	.02	.02	.02	.02
.02				
41.6000	.02	.02	.02	.02
.02				
41.8500	.02	.02	.02	.02
.02				
42.1000	.02	.01	.01	.01
.01				
42.3500	.01	.01	.01	.01
.01				
42.6000	.01	.01	.01	.01
.01				
42.8500	.01	.01	.01	.01
.01				
43.1000	.01	.01	.01	.01
.01				
43.3500	.01	.01	.01	.01
.01				
43.6000	.01	.01	.01	.01
.01				
43.8500	.01	.01	.01	.01
.01				
44.1000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
44.3500	.01	.01	.01	.01
44.6000	.01	.01	.01	.01
44.8500	.01	.01	.01	.01
45.1000	.01	.01	.01	.01
45.3500	.01	.01	.01	.01
45.6000	.01	.01	.01	.01
45.8500	.01	.01	.01	.01
46.1000	.01	.01	.01	.01
46.3500	.01	.01	.01	.01
46.6000	.01	.01	.01	.01
46.8500	.01	.01	.01	.01
47.1000	.01	.01	.01	.01
47.3500	.01	.01	.01	.01
47.6000	.01	.01	.01	.01
47.8500	.01	.01	.01	.01
48.1000	.01	.01	.01	.01
48.3500	.01	.01	.01	.01
48.6000	.01	.01	.01	.01
48.8500	.01	.01	.01	.01
49.1000	.01	.01	.01	.01

49.3500	.01	.01	.01	.01
.01				
49.6000	.01	.01	.01	.01
.01				
49.8500	.01	.01	.01	.01
.01				
50.1000	.01	.01	.01	.01
.01				
50.3500	.01	.01	.01	.01
.01				
50.6000	.01	.01	.01	.01
.01				
50.8500	.01	.01	.01	.01
.01				
51.1000	.01	.01	.01	.01
.01				
51.3500	.01	.01	.01	.01
.01				
51.6000	.01	.01	.01	.01
.01				
51.8500	.01	.01	.01	.01
.01				
52.1000	.01	.01	.01	.01
.01				
52.3500	.01	.01	.01	.01
.01				
52.6000	.01	.01	.01	.01
.01				
52.8500	.01	.01	.01	.01
.01				
53.1000	.01	.01	.01	.01
.01				
53.3500	.01	.01	.01	.01
.01				
53.6000	.01	.01	.01	.01
.01				
53.8500	.01	.01	.01	.01
.01				
54.1000	.01	.01	.01	.01
.01				
54.3500	.01	.01	.01	.01
.01				
54.6000	.01	.01	.01	.01
.01				
54.8500	.01	.01	.01	.01
.01				
55.1000	.01	.01	.00	.00
.00				
55.3500	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
55.6000	.00	.00	.00	.00 .00
55.8500	.00	.00	.00	.00 .00
56.1000	.00	.00	.00	.00 .00
56.3500	.00	.00	.00	.00 .00
56.6000	.00	.00	.00	.00 .00
56.8500	.00	.00	.00	.00 .00
57.1000	.00	.00	.00	.00 .00
57.3500	.00	.00	.00	.00 .00
57.6000	.00	.00	.00	.00 .00
57.8500	.00	.00	.00	.00 .00
58.1000	.00	.00	.00	.00 .00
58.3500	.00	.00	.00	.00 .00
58.6000	.00	.00	.00	.00 .00
58.8500	.00	.00	.00	.00 .00
59.1000	.00	.00	.00	.00 .00
59.3500	.00	.00	.00	.00 .00
59.6000	.00	.00	.00	.00 .00
59.8500	.00	.00	.00	

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J5 15
Outflow HYG file = NONE STORED - REACH 40 15

Reach Link Data = REACH 40
Reach Length = 1095.00 ft
Approx. Total Tt = .0927 hrs (based on Wtd.Q = 533.07 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
573.00	.00	0	0	.00	.00	.00
573.01	.01	165	16469	.00	.01	1.84
573.40	4.38	6921	18177	.00	4.38	81.28
573.80	14.11	14541	19929	.00	14.11	175.68
574.20	28.22	22864	21681	.00	28.22	282.26
574.60	46.44	31886	23433	.00	46.44	400.72
575.00	68.71	41610	25185	.00	68.71	531.05
575.40	95.06	52035	26937	.00	95.06	673.23
575.80	125.54	63159	28689	.00	125.54	827.31

576.20	160.25	74986	30441	.00	160.25
993.43					
576.60	199.28	87512	32193	.00	199.28
1171.63					
577.00	242.75	100740	33945	.00	242.75
1362.08					
577.40	290.78	114669	35697	.00	290.78
1564.88					
577.80	343.48	129297	37449	.00	343.48
1780.12					
578.20	401.00	144628	39201	.00	401.00
2007.98					
578.60	463.44	160657	40953	.00	463.44
2248.52					
579.00	530.95	177390	42705	.00	530.95
2501.95					
579.40	603.65	194824	44457	.00	603.65
2768.35					
579.80	681.65	212955	46209	.00	681.65
3047.81					
580.20	765.10	231790	47961	.00	765.10
3340.55					

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J5 15
Outflow HYG file = NONE STORED - REACH 40 15

Reach Link Data = REACH 40
Reach Length = 1095.00 ft
Approx. Total Tt = .0927 hrs (based on Wtd.Q = 533.07 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
580.60	854.10	251323	49713	.00	854.10	3646.58
581.00	948.81	271560	51465	.00	948.81	3966.15
581.40	1049.34	292498	53217	.00	1049.34	4299.32
581.80	1155.80	314133	54969	.00	1155.80	4646.16
582.20	1268.33	336472	56721	.00	1268.33	5006.91
582.60	1387.03	359509	58473	.00	1387.03	5381.57
583.00	1512.05	383250	60225	.00	1512.05	5770.39
583.40	1643.51	407692	61977	.00	1643.51	6173.42
583.80	1781.49	432831	63729	.00	1781.49	6590.72

584.20	1926.15	458674	65481	.00	1926.15
7022.53					
584.60	2077.58	485215	67233	.00	2077.58
7468.85					
585.00	2235.92	512460	68985	.00	2235.92
7929.92					
585.40	2401.29	540406	70737	.00	2401.29
8405.80					
585.80	2573.76	569049	72489	.00	2573.76
8896.52					
586.20	2753.50	598397	74241	.00	2753.50
9402.35					
586.60	2940.57	628441	75993	.00	2940.57
9923.24					
587.00	3135.13	659190	77745	.00	3135.13
10459.47					
587.40	3337.29	690640	79497	.00	3337.29
11011.07					
587.80	3547.10	722787	81249	.00	3547.10
11578.07					
588.20	3764.76	755639	83001	.00	3764.76
12160.74					

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J5 15
Outflow HYG file = NONE STORED - REACH 40 15

Reach Link Data = REACH 40
Reach Length = 1095.00 ft
Approx. Total Tt = .0927 hrs (based on Wtd.Q = 533.07 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
588.60	3990.29	789186	84753	.00	3990.29	12759.02
589.00	4223.88	823440	86505	.00	4223.88	13373.21
589.40	4465.60	858395	88257	.00	4465.60	14003.31
589.80	4715.52	894045	90009	.00	4715.52	14649.35
590.20	4973.83	930401	91761	.00	4973.83	15311.62
590.60	5240.55	967452	93513	.00	5240.55	15990.02
591.00	5515.87	1005210	95265	.00	5515.87	16684.87
591.40	5799.85	1043669	97017	.00	5799.85	17396.17
591.80	6092.55	1082822	98769	.00	6092.55	18123.91

592.20	6394.18	1122683	100521	.00	6394.18
18868.43					
592.60	6704.73	1163238	102273	.00	6704.73
19629.59					
593.00	7024.40	1204500	104025	.00	7024.40
20407.73					

S/N:
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MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J5 15
Outflow HYG file = NONE STORED - REACH 40 15

Reach Link Data = REACH 40
Reach Length = 1095.00 ft
Approx. Total Tt = .0927 hrs (based on Wtd.Q = 533.07 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1110.20 cfs	at	12.8500 hrs
Peak Outflow	=	1105.06 cfs	at	12.9000 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	10744690
- Infiltration	=	0
- HYG Vol OUT	=	10744660
- Retained Vol	=	53
Unrouted Vol	=	27 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 40
HYG Tag = 15

Peak Discharge =	1105.06 cfs
Time to Peak =	12.9000 hrs
HYG Volume =	10744660 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
4.0500	.00	.00	.00	.00 .00
4.3000	.00	.00	.00	.00 .00
4.5500	.00	.00	.00	.00 .00
4.8000	.00	.01	.01	.01 .03
5.0500	.05	.08	.10	.12 .15
5.3000	.17	.19	.22	.25 .27
5.5500	.30	.33	.36	.39 .42
5.8000	.45	.49	.52	.56 .59
6.0500	.63	.67	.71	.74 .79
6.3000	.83	.87	.91	.96 1.00
6.5500	1.05	1.10	1.14	1.19 1.24
6.8000	1.29	1.34	1.40	1.45 1.51
7.0500	1.56	1.62	1.68	1.73 1.80
7.3000	1.86	1.92	1.98	2.05 2.12

7.5500	2.19	2.26	2.33	2.40
2.48				
7.8000	2.55	2.63	2.71	2.80
2.88				
8.0500	2.97	3.06	3.15	3.24
3.33				
8.3000	3.43	3.52	3.63	3.74
3.87				
8.5500	4.01	4.16	4.32	4.56
4.86				
8.8000	5.14	5.42	5.68	5.94
6.19				
9.0500	6.45	6.70	6.96	7.23
7.51				
9.3000	7.81	8.12	8.46	8.81
9.18				
9.5500	9.58	10.00	10.44	10.91
11.40				
9.8000	11.91	12.45	13.03	13.67
14.42				
10.0500	15.34	16.25	17.17	18.11
19.06				
10.3000	20.03	21.03	22.06	23.13
24.24				
10.5500	25.39	26.61	27.91	29.48
31.13				
10.8000	32.81	34.53	36.30	38.14
40.06				
11.0500	42.07	44.19	46.44	49.13
51.92				
11.3000	54.83	57.89	61.12	64.52
68.14				
11.5500	72.35	76.90	81.89	87.62
94.63				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.8000	104.29	117.03	134.82	159.78	194.36
12.0500	239.43	295.87	362.25	434.82	509.62
12.3000	583.60	654.86	722.54	786.46	846.74
12.5500	903.27	954.30	999.64	1037.33	1067.11
12.8000	1088.31	1100.84	1105.06	1101.45	1090.71
13.0500	1073.51	1050.53	1023.28	992.15	957.92
13.3000	922.13	884.86	846.66	809.14	772.52
13.5500	738.28	705.87	675.32	647.02	620.04
13.8000	594.49	570.35	547.03	524.75	503.91
14.0500	484.01	465.02	447.34	430.31	414.13
14.3000	398.95	385.00	371.79	359.42	347.80
14.5500	337.04	326.85	316.96	307.36	298.02
14.8000	288.92	280.19	271.53	263.09	254.97
15.0500	247.21	239.89	233.02	226.39	220.04
15.3000	214.05	208.42	203.10	198.12	193.53
15.5500	189.11	184.87	180.81	176.93	173.25
15.8000	169.77	166.43	163.23	160.14	157.30
16.0500	154.50	151.79	149.16	146.63	144.18
16.3000	141.82	139.55	137.37	135.30	133.31
16.5500	131.41	129.57	127.78	126.05	124.43

16.8000	122.87	121.33	119.82	118.36	116.95
17.0500	115.59	114.29	113.03	111.82	110.65
17.3000	109.52	108.43	107.38	106.36	105.38
17.5500	104.44	103.52	102.65	101.82	101.00
17.8000	100.20	99.41	98.64	97.88	97.14
18.0500	96.42	95.71	95.02	94.38	93.74
18.3000	93.10	92.46	91.83	91.20	90.58
18.5500	89.96	89.36	88.75	88.15	87.56
18.8000	86.97	86.39	85.80	85.23	84.65
19.0500	84.08	83.51	82.95	82.40	81.85
19.3000	81.30	80.76	80.21	79.67	79.13
19.5500	78.58	78.04	77.50	76.95	76.41
19.8000	75.86	75.32	74.77	74.24	73.72
20.0500	73.20	72.68	72.16	71.64	71.11
20.3000	70.59	70.07	69.55	69.04	68.54
20.5500	68.07	67.60	67.12	66.65	66.18
20.8000	65.72	65.27	64.83	64.40	63.98
21.0500	63.57	63.17	62.79	62.42	62.06
21.3000	61.71	61.38	61.06	60.76	60.46
21.5500	60.18	59.91	59.65	59.41	59.17
21.8000	58.94	58.72	58.51	58.31	58.11
22.0500	57.92	57.74	57.56	57.39	57.23
22.3000	57.07	56.91	56.76	56.61	56.46
22.5500	56.32	56.18	56.05	55.92	55.79
22.8000	55.66	55.53	55.41	55.29	55.17

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.0500	55.05	54.93	54.81	54.70	54.58
23.3000	54.47	54.35	54.24	54.12	54.01
23.5500	53.90	53.78	53.67	53.56	53.45
23.8000	53.34	53.23	53.12	53.01	52.90
24.0500	52.78	52.67	52.53	52.35	52.11
24.3000	51.78	51.33	50.77	50.12	49.38
24.5500	48.56	47.67	46.71	45.76	44.77
24.8000	43.71	42.57	41.34	40.02	38.64
25.0500	37.24	35.83	34.42	33.01	31.62
25.3000	30.28	28.98	27.78	26.69	25.57
25.5500	24.44	23.31	22.20	21.11	20.05
25.8000	19.03	18.05	17.12	16.24	15.45
26.0500	14.71	14.04	13.53	13.02	12.50
26.3000	11.99	11.49	10.99	10.50	10.03
26.5500	9.57	9.12	8.69	8.28	7.89
26.8000	7.52	7.17	6.84	6.52	6.23
27.0500	5.95	5.69	5.44	5.21	5.02
27.3000	4.84	4.68	4.53	4.40	4.32
27.5500	4.25	4.18	4.11	4.03	3.96
27.8000	3.88	3.80	3.72	3.64	3.56

28.0500	3.48	3.41	3.33	3.25	3.17
28.3000	3.10	3.02	2.95	2.88	2.80
28.5500	2.73	2.66	2.60	2.53	2.47
28.8000	2.40	2.34	2.28	2.22	2.16
29.0500	2.11	2.05	2.00	1.95	1.90
29.3000	1.85	1.80	1.76	1.71	1.67
29.5500	1.63	1.59	1.55	1.51	1.47
29.8000	1.43	1.40	1.36	1.33	1.30
30.0500	1.27	1.24	1.21	1.18	1.15
30.3000	1.12	1.10	1.07	1.05	1.02
30.5500	1.00	.98	.96	.93	.91
30.8000	.89	.87	.85	.84	.82
31.0500	.80	.78	.77	.75	.74
31.3000	.72	.71	.69	.68	.66
31.5500	.65	.64	.62	.61	.60
31.8000	.59	.58	.56	.55	.54
32.0500	.53	.52	.51	.50	.49
32.3000	.48	.47	.47	.46	.45
32.5500	.44	.43	.42	.42	.41
32.8000	.40	.39	.39	.38	.37
33.0500	.37	.36	.35	.35	.34
33.3000	.33	.33	.32	.32	.31
33.5500	.31	.30	.30	.29	.28
33.8000	.28	.27	.27	.27	.26
34.0500	.26	.25	.25	.24	.24

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.3000	.23	.23	.23	.22
34.5500	.21	.21	.21	.20
34.8000	.20	.19	.19	.19
35.0500	.18	.18	.17	.17
35.3000	.17	.16	.16	.16
35.5500	.15	.15	.15	.14
35.8000	.14	.14	.13	.13
36.0500	.13	.13	.12	.12
36.3000	.12	.12	.11	.11
36.5500	.11	.11	.10	.10
36.8000	.10	.10	.10	.09
37.0500	.09	.09	.09	.09
37.3000	.08	.08	.08	.08
37.5500	.08	.07	.07	.07
37.8000	.07	.07	.07	.07
38.0500	.06	.06	.06	.06
38.3000	.06	.06	.06	.06
38.5500	.05	.05	.05	.05
38.8000	.05	.05	.05	.05
39.0500	.05	.04	.04	.04

39.3000	.04	.04	.04	.04
.04				
39.5500	.04	.04	.04	.04
.04				
39.8000	.04	.03	.03	.03
.03				
40.0500	.03	.03	.03	.03
.03				
40.3000	.03	.03	.03	.03
.03				
40.5500	.03	.03	.03	.03
.03				
40.8000	.02	.02	.02	.02
.02				
41.0500	.02	.02	.02	.02
.02				
41.3000	.02	.02	.02	.02
.02				
41.5500	.02	.02	.02	.02
.02				
41.8000	.02	.02	.02	.02
.02				
42.0500	.02	.02	.02	.02
.02				
42.3000	.01	.01	.01	.01
.01				
42.5500	.01	.01	.01	.01
.01				
42.8000	.01	.01	.01	.01
.01				
43.0500	.01	.01	.01	.01
.01				
43.3000	.01	.01	.01	.01
.01				
43.5500	.01	.01	.01	.01
.01				
43.8000	.01	.01	.01	.01
.01				
44.0500	.01	.01	.01	.01
.01				
44.3000	.01	.01	.01	.01
.01				
44.5500	.01	.01	.01	.01
.01				
44.8000	.01	.01	.01	.01
.01				
45.0500	.01	.01	.01	.01
.01				
45.3000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.5500	.01	.01	.01	.01
45.8000	.01	.01	.01	.01
46.0500	.01	.01	.01	.01
46.3000	.01	.01	.01	.01
46.5500	.01	.01	.01	.01
46.8000	.01	.01	.01	.01
47.0500	.01	.01	.01	.01
47.3000	.01	.01	.01	.01
47.5500	.01	.01	.01	.01
47.8000	.01	.01	.01	.01
48.0500	.01	.01	.01	.01
48.3000	.01	.01	.01	.01
48.5500	.01	.01	.01	.01
48.8000	.01	.01	.01	.01
49.0500	.01	.01	.01	.01
49.3000	.01	.01	.01	.01
49.5500	.01	.01	.01	.01
49.8000	.01	.01	.01	.01
50.0500	.01	.01	.01	.01
50.3000	.01	.01	.01	.01

50.5500	.01	.01	.01	.01
.01				
50.8000	.01	.01	.01	.01
.01				
51.0500	.01	.01	.01	.01
.01				
51.3000	.01	.01	.01	.01
.01				
51.5500	.01	.01	.01	.01
.01				
51.8000	.01	.01	.01	.01
.01				
52.0500	.01	.01	.01	.01
.01				
52.3000	.01	.01	.01	.01
.01				
52.5500	.01	.01	.01	.01
.01				
52.8000	.01	.01	.01	.01
.01				
53.0500	.01	.01	.01	.01
.01				
53.3000	.01	.01	.01	.01
.01				
53.5500	.01	.01	.01	.01
.01				
53.8000	.01	.01	.01	.01
.01				
54.0500	.01	.01	.01	.01
.01				
54.3000	.01	.01	.01	.01
.01				
54.5500	.01	.01	.01	.01
.01				
54.8000	.01	.01	.01	.01
.01				
55.0500	.01	.01	.01	.01
.01				
55.3000	.01	.01	.01	.01
.01				
55.5500	.01	.01	.01	.01
.01				
55.8000	.01	.01	.01	.01
.01				
56.0500	.01	.01	.01	.01
.01				
56.3000	.01	.01	.01	.01
.01				
56.5500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
56.8000	.01	.01	.01	.01 .01
57.0500	.01	.01	.01	.01 .01
57.3000	.01	.01	.01	.01 .01
57.5500	.01	.01	.01	.01 .01
57.8000	.01	.01	.01	.01 .01
58.0500	.01	.01	.01	.01 .01
58.3000	.01	.01	.01	.01 .01
58.5500	.01	.01	.01	.01 .01
58.8000	.01	.01	.01	.01 .01
59.0500	.01	.01	.01	.01 .01
59.3000	.01	.01	.01	.01 .01
59.5500	.01	.01	.00	.00 .00
59.8000	.00	.00	.00	.00 .00
60.0500	.00	.00	.00	.00 .00
60.3000	.00	.00	.00	.00 .00
60.5500	.00	.00	.00	.00 .00
60.8000	.00	.00	.00	.00 .00
61.0500	.00	.00	.00	.00 .00
61.3000	.00	.00	.00	.00 .00
61.5500	.00	.00	.00	.00 .00

```
     61.8000 |         .00         .00         .00         .00
.00
     62.0500 |         .00         .00         .00         .00
```

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J5 25
Outflow HYG file = NONE STORED - REACH 40 25

Reach Link Data = REACH 40
Reach Length = 1095.00 ft
Approx. Total Tt = .0894 hrs (based on Wtd.Q = 608.88 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1271.98 cfs	at	12.8500 hrs
Peak Outflow	=	1266.55 cfs	at	12.9000 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	12322410
- Infiltration	=	0
- HYG Vol OUT	=	12322370
- Retained Vol	=	53
Unrouted Vol	=	14 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 40
HYG Tag = 25

Peak Discharge =	1266.55 cfs
Time to Peak =	12.9000 hrs
HYG Volume =	12322370 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.7500	.00	.00	.00	.00
4.0000	.00	.00	.00	.00
4.2500	.00	.00	.00	.00
4.5000	.01	.01	.01	.02
4.7500	.07	.09	.12	.14
5.0000	.19	.22	.25	.28
5.2500	.34	.37	.40	.43
5.5000	.50	.54	.57	.61
5.7500	.69	.73	.78	.82
6.0000	.91	.96	1.00	1.05
6.2500	1.15	1.21	1.26	1.31
6.5000	1.42	1.48	1.54	1.60
6.7500	1.72	1.78	1.85	1.92
7.0000	2.05	2.12	2.20	2.27

1.10 1.37 1.66 1.98 2.35

7.2500	2.43	2.51	2.59	2.67	2.76
7.5000	2.85	2.94	3.03	3.12	3.22
7.7500	3.32	3.41	3.52	3.63	3.75
8.0000	3.88	4.03	4.17	4.33	4.57
8.2500	4.85	5.12	5.37	5.60	5.83
8.5000	6.06	6.28	6.51	6.74	6.97
8.7500	7.21	7.47	7.75	8.04	8.35
9.0000	8.69	9.05	9.43	9.85	10.29
9.2500	10.76	11.26	11.79	12.35	12.94
9.5000	13.59	14.34	15.26	16.17	17.07
9.7500	17.97	18.87	19.79	20.71	21.66
10.0000	22.63	23.63	24.65	25.70	26.80
10.2500	27.96	29.36	30.81	32.27	33.75
10.5000	35.26	36.81	38.40	40.04	41.74
10.7500	43.50	45.35	47.41	49.71	52.07
11.0000	54.51	57.06	59.73	62.53	65.45
11.2500	68.52	72.04	75.73	79.60	83.69

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.5000	88.05	92.73	98.08	104.27	111.38
11.7500	120.03	131.56	147.27	168.89	198.87
12.0000	239.48	292.17	357.76	433.62	515.67
12.2500	600.06	683.75	764.35	841.10	914.00
12.5000	982.88	1046.73	1104.94	1155.23	1197.43
12.7500	1229.56	1251.70	1263.92	1266.55	1260.25
13.0000	1245.88	1224.30	1196.30	1162.84	1125.79
13.2500	1085.68	1043.64	1001.46	959.06	917.85
13.5000	877.26	837.70	799.82	763.72	730.57
13.7500	699.22	670.06	643.00	617.30	593.30
14.0000	570.83	549.12	528.19	508.52	489.55
14.2500	471.39	454.27	438.13	422.67	407.82
14.5000	393.97	381.05	368.91	357.59	346.96
14.7500	337.15	327.89	319.02	310.56	302.43
15.0000	294.47	286.73	279.13	271.52	264.02
15.2500	256.75	249.74	242.99	236.74	230.66
15.5000	224.80	219.18	213.85	208.82	204.03
15.7500	199.45	195.24	191.14	187.17	183.33
16.0000	179.63	176.09	172.72	169.54	166.49
16.2500	163.56	160.75	158.14	155.62	153.17

16.5000	150.80	148.52	146.32	144.20	142.16
16.7500	140.19	138.28	136.45	134.72	133.06
17.0000	131.45	129.90	128.40	126.95	125.55
17.2500	124.27	123.00	121.77	120.56	119.40
17.5000	118.27	117.18	116.13	115.12	114.15
17.7500	113.21	112.29	111.41	110.54	109.69
18.0000	108.87	108.06	107.26	106.49	105.72
18.2500	104.97	104.23	103.50	102.80	102.12
18.5000	101.44	100.78	100.12	99.46	98.80
18.7500	98.13	97.46	96.79	96.12	95.45
19.0000	94.81	94.19	93.56	92.93	92.29
19.2500	91.66	91.03	90.40	89.77	89.14
19.5000	88.51	87.89	87.27	86.64	86.02
19.7500	85.40	84.78	84.17	83.55	82.94
20.0000	82.34	81.74	81.14	80.54	79.94
20.2500	79.35	78.75	78.16	77.57	76.98
20.5000	76.41	75.83	75.27	74.73	74.20
20.7500	73.69	73.19	72.71	72.23	71.77
21.0000	71.32	70.88	70.45	70.03	69.63
21.2500	69.25	68.87	68.53	68.20	67.88
21.5000	67.57	67.27	66.98	66.70	66.42
21.7500	66.16	65.91	65.67	65.43	65.21
22.0000	64.99	64.78	64.58	64.38	64.19
22.2500	64.01	63.83	63.65	63.48	63.32
22.5000	63.16	63.00	62.84	62.69	62.54

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.7500	62.39	62.24	62.10	61.96	61.82
23.0000	61.68	61.54	61.40	61.27	61.14
23.2500	61.00	60.87	60.74	60.61	60.48
23.5000	60.36	60.23	60.10	59.97	59.85
23.7500	59.72	59.60	59.47	59.35	59.23
24.0000	59.10	58.98	58.84	58.69	58.48
24.2500	58.20	57.81	57.30	56.66	55.89
24.5000	55.01	54.04	52.98	51.85	50.66
24.7500	49.43	48.17	46.87	45.59	44.24
25.0000	42.78	41.26	39.71	38.13	36.55
25.2500	34.97	33.40	31.86	30.38	28.97
25.5000	27.69	26.51	25.33	24.14	22.97
25.7500	21.82	20.71	19.64	18.61	17.62
26.0000	16.70	15.85	15.07	14.35	13.77
26.2500	13.25	12.73	12.22	11.70	11.20
26.5000	10.71	10.23	9.76	9.30	8.86
26.7500	8.44	8.05	7.67	7.31	6.97
27.0000	6.65	6.35	6.06	5.79	5.54
27.2500	5.30	5.09	4.91	4.74	4.59
27.5000	4.45	4.35	4.28	4.21	4.14

27.7500	4.06	3.99	3.91	3.83	3.75
28.0000	3.67	3.60	3.52	3.44	3.36
28.2500	3.28	3.21	3.13	3.05	2.98
28.5000	2.91	2.83	2.76	2.69	2.63
28.7500	2.56	2.50	2.43	2.37	2.31
29.0000	2.25	2.19	2.13	2.08	2.03
29.2500	1.97	1.92	1.87	1.83	1.78
29.5000	1.74	1.69	1.65	1.61	1.57
29.7500	1.53	1.49	1.45	1.42	1.38
30.0000	1.35	1.32	1.29	1.25	1.22
30.2500	1.20	1.17	1.14	1.11	1.09
30.5000	1.06	1.04	1.02	.99	.97
30.7500	.95	.93	.91	.89	.87
31.0000	.85	.83	.81	.80	.78
31.2500	.76	.75	.73	.72	.70
31.5000	.69	.67	.66	.65	.63
31.7500	.62	.61	.60	.59	.57
32.0000	.56	.55	.54	.53	.52
32.2500	.51	.50	.49	.48	.47
32.5000	.47	.46	.45	.44	.43
32.7500	.42	.42	.41	.40	.39
33.0000	.39	.38	.37	.37	.36
33.2500	.35	.35	.34	.33	.33
33.5000	.32	.32	.31	.31	.30
33.7500	.30	.29	.29	.28	.28

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.0000	.27	.27	.26	.26 .25
34.2500	.25	.24	.24	.23 .23
34.5000	.23	.22	.22	.22 .21
34.7500	.21	.20	.20	.20 .19
35.0000	.19	.19	.18	.18 .18
35.2500	.17	.17	.17	.17 .16
35.5000	.16	.16	.15	.15 .15
35.7500	.15	.14	.14	.14 .14
36.0000	.13	.13	.13	.13 .13
36.2500	.12	.12	.12	.12 .12
36.5000	.11	.11	.11	.11 .11
36.7500	.10	.10	.10	.10 .10
37.0000	.10	.09	.09	.09 .09
37.2500	.09	.09	.08	.08 .08
37.5000	.08	.08	.08	.08 .07
37.7500	.07	.07	.07	.07 .07
38.0000	.07	.07	.07	.06 .06
38.2500	.06	.06	.06	.06 .06
38.5000	.06	.06	.05	.05 .05
38.7500	.05	.05	.05	.05 .05

39.0000	.05	.05	.05	.05
39.2500	.04	.04	.04	.04
39.5000	.04	.04	.04	.04
39.7500	.04	.04	.04	.04
40.0000	.03	.03	.03	.03
40.2500	.03	.03	.03	.03
40.5000	.03	.03	.03	.03
40.7500	.03	.03	.03	.02
41.0000	.02	.02	.02	.02
41.2500	.02	.02	.02	.02
41.5000	.02	.02	.02	.02
41.7500	.02	.02	.02	.02
42.0000	.02	.02	.02	.02
42.2500	.02	.02	.02	.01
42.5000	.01	.01	.01	.01
42.7500	.01	.01	.01	.01
43.0000	.01	.01	.01	.01
43.2500	.01	.01	.01	.01
43.5000	.01	.01	.01	.01
43.7500	.01	.01	.01	.01
44.0000	.01	.01	.01	.01
44.2500	.01	.01	.01	.01
44.5000	.01	.01	.01	.01
44.7500	.01	.01	.01	.01
45.0000	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.2500	.01	.01	.01	.01
45.5000	.01	.01	.01	.01
45.7500	.01	.01	.01	.01
46.0000	.01	.01	.01	.01
46.2500	.01	.01	.01	.01
46.5000	.01	.01	.01	.01
46.7500	.01	.01	.01	.01
47.0000	.01	.01	.01	.01
47.2500	.01	.01	.01	.01
47.5000	.01	.01	.01	.01
47.7500	.01	.01	.01	.01
48.0000	.01	.01	.01	.01
48.2500	.01	.01	.01	.01
48.5000	.01	.01	.01	.01
48.7500	.01	.01	.01	.01
49.0000	.01	.01	.01	.01
49.2500	.01	.01	.01	.01
49.5000	.01	.01	.01	.01
49.7500	.01	.01	.01	.01
50.0000	.01	.01	.01	.01

50.2500	.01	.01	.01	.01
.01				
50.5000	.01	.01	.01	.01
.01				
50.7500	.01	.01	.01	.01
.01				
51.0000	.01	.01	.01	.01
.01				
51.2500	.01	.01	.01	.01
.01				
51.5000	.01	.01	.01	.01
.01				
51.7500	.01	.01	.01	.01
.01				
52.0000	.01	.01	.01	.01
.01				
52.2500	.01	.01	.01	.01
.01				
52.5000	.01	.01	.01	.01
.01				
52.7500	.01	.01	.01	.01
.01				
53.0000	.01	.01	.01	.01
.01				
53.2500	.01	.01	.01	.01
.01				
53.5000	.01	.01	.01	.01
.01				
53.7500	.01	.01	.01	.01
.01				
54.0000	.01	.01	.01	.01
.01				
54.2500	.01	.01	.01	.01
.01				
54.5000	.01	.01	.01	.01
.01				
54.7500	.01	.01	.01	.01
.01				
55.0000	.01	.01	.01	.01
.01				
55.2500	.01	.01	.01	.01
.01				
55.5000	.01	.01	.01	.01
.01				
55.7500	.01	.01	.01	.01
.01				
56.0000	.01	.01	.01	.01
.01				
56.2500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
56.5000	.01	.01	.01	.01
56.7500	.01	.01	.01	.01
57.0000	.01	.01	.01	.01
57.2500	.01	.01	.01	.01
57.5000	.01	.01	.01	.01
57.7500	.01	.01	.01	.01
58.0000	.01	.01	.01	.01
58.2500	.01	.01	.01	.01
58.5000	.01	.01	.01	.01
58.7500	.01	.01	.01	.01
59.0000	.01	.01	.01	.01
59.2500	.01	.01	.01	.01
59.5000	.01	.01	.01	.01
59.7500	.00	.00	.00	.00
60.0000	.00	.00	.00	.00
60.2500	.00	.00	.00	.00
60.5000	.00	.00	.00	.00
60.7500	.00	.00	.00	.00
61.0000	.00	.00	.00	.00
61.2500	.00	.00	.00	.00

```
     61.5000 |         .00         .00         .00         .00
.00
     61.7500 |         .00         .00         .00         .00
.00
     62.0000 |         .00         .00         .00         .00
.00
     62.2500 |         .00         .00
```

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J5 100
Outflow HYG file = NONE STORED - REACH 40 100

Reach Link Data = REACH 40
Reach Length = 1095.00 ft
Approx. Total Tt = .0830 hrs (based on Wtd.Q = 804.51 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1696.62 cfs	at	12.8000 hrs
Peak Outflow	=	1689.99 cfs	at	12.8500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	16545670
- Infiltration	=	0
- HYG Vol OUT	=	16545610
- Retained Vol	=	53
Unrouted Vol	=	0 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 40
HYG Tag = 100

Peak Discharge =	1689.99 cfs
Time to Peak =	12.8500 hrs
HYG Volume =	16545610 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.1500	.00	.00	.00	.00
3.4000	.00	.00	.00	.00
3.6500	.00	.00	.00	.01
3.9000	.01	.01	.03	.06
4.1500	.11	.14	.17	.20
4.4000	.26	.30	.33	.36
4.6500	.44	.48	.52	.56
4.9000	.64	.69	.74	.78
5.1500	.88	.94	.99	1.04
5.4000	1.16	1.21	1.27	1.33
5.6500	1.46	1.53	1.59	1.66
5.9000	1.80	1.88	1.95	2.03
6.1500	2.19	2.28	2.36	2.45
6.4000	2.63	2.73	2.83	2.93

6.6500	3.14	3.24	3.35	3.47	3.60
6.9000	3.74	3.89	4.05	4.22	4.40
7.1500	4.73	5.04	5.33	5.60	5.86
7.4000	6.12	6.36	6.60	6.84	7.07
7.6500	7.32	7.57	7.83	8.11	8.39
7.9000	8.70	9.01	9.35	9.70	10.08
8.1500	10.47	10.88	11.32	11.77	12.24
8.4000	12.74	13.28	13.87	14.61	15.43
8.6500	16.24	17.07	17.91	18.76	19.62
8.9000	20.50	21.40	22.32	23.27	24.24
9.1500	25.24	26.28	27.36	28.56	29.95
9.4000	31.32	32.69	34.06	35.43	36.80
9.6500	38.19	39.58	40.98	42.39	43.81
9.9000	45.26	46.77	48.47	50.19	51.92
10.1500	53.67	55.44	57.25	59.11	61.01
10.4000	62.97	65.01	67.11	69.33	71.80
10.6500	74.34	76.94	79.60	82.34	85.20

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.9000	88.19	91.33	94.62	98.33	102.26
11.1500	106.38	110.70	115.26	120.10	125.26
11.4000	131.13	137.42	144.13	151.33	159.17
11.6500	168.41	179.25	192.45	209.83	233.03
11.9000	264.43	306.76	363.26	435.67	523.26
12.1500	623.51	731.51	843.71	958.39	1071.02
12.4000	1176.53	1273.66	1363.10	1443.50	1513.71
12.6500	1574.12	1622.45	1658.14	1680.66	1689.99
12.9000	1686.77	1672.04	1646.96	1613.13	1571.30
13.1500	1522.86	1470.23	1414.17	1356.59	1298.68
13.4000	1241.56	1186.07	1132.69	1081.98	1033.89
13.6500	988.75	945.83	905.66	866.72	830.00
13.9000	795.53	763.39	734.06	706.25	680.03
14.1500	655.82	632.67	610.61	590.08	570.72
14.4000	552.23	534.61	518.27	502.72	487.56
14.6500	472.76	458.50	444.97	432.00	419.58
14.9000	407.72	396.53	385.86	375.60	366.00
15.1500	357.05	348.68	340.90	333.68	326.75
15.4000	320.11	313.79	307.78	302.03	296.47
15.6500	290.98	285.65	280.14	274.44	268.59

15.9000	262.68	256.79	250.96	245.24	239.76
16.1500	234.48	229.32	224.32	219.51	214.95
16.4000	210.63	206.52	202.59	198.85	195.41
16.6500	192.06	188.83	185.73	182.76	179.91
16.9000	177.18	174.57	172.11	169.78	167.54
17.1500	165.39	163.33	161.36	159.49	157.74
17.4000	156.03	154.37	152.78	151.25	149.79
17.6500	148.39	147.03	145.72	144.46	143.23
17.9000	142.03	140.87	139.74	138.63	137.55
18.1500	136.50	135.49	134.50	133.53	132.58
18.4000	131.63	130.70	129.78	128.87	127.96
18.6500	127.06	126.17	125.31	124.47	123.63
18.9000	122.78	121.93	121.09	120.24	119.40
19.1500	118.56	117.73	116.90	116.08	115.26
19.4000	114.45	113.65	112.85	112.05	111.26
19.6500	110.47	109.68	108.89	108.10	107.32
19.9000	106.53	105.74	104.96	104.17	103.40
20.1500	102.63	101.88	101.13	100.38	99.63
20.4000	98.88	98.12	97.36	96.61	95.86
20.6500	95.13	94.45	93.78	93.12	92.46
20.9000	91.83	91.21	90.61	90.03	89.46
21.1500	88.92	88.40	87.90	87.42	86.96
21.4000	86.51	86.09	85.69	85.30	84.93
21.6500	84.58	84.24	83.91	83.60	83.30
21.9000	83.02	82.74	82.48	82.23	81.98

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.1500	81.74	81.51	81.29	81.07	80.86
22.4000	80.65	80.45	80.25	80.05	79.86
22.6500	79.67	79.48	79.29	79.11	78.93
22.9000	78.76	78.58	78.41	78.24	78.07
23.1500	77.90	77.73	77.57	77.40	77.24
23.4000	77.07	76.91	76.75	76.59	76.43
23.6500	76.27	76.11	75.95	75.79	75.63
23.9000	75.47	75.32	75.16	75.00	74.83
24.1500	74.62	74.36	73.99	73.49	72.80
24.4000	71.94	70.92	69.73	68.44	67.12
24.6500	65.69	64.15	62.51	60.76	58.93
24.9000	57.03	55.07	53.02	50.91	48.83
25.1500	46.77	44.90	43.03	41.11	39.20
25.4000	37.29	35.41	33.58	31.81	30.16
25.6500	28.58	27.24	25.95	24.67	23.42
25.9000	22.20	21.02	19.90	18.82	17.79
26.1500	16.83	15.96	15.16	14.41	13.81
26.4000	13.28	12.75	12.23	11.72	11.21
26.6500	10.71	10.23	9.76	9.30	8.86
26.9000	8.44	8.04	7.67	7.31	6.97

27.1500	6.65	6.35	6.06	5.80
5.54				
27.4000	5.31	5.10	4.91	4.75
4.60				
27.6500	4.46	4.35	4.28	4.21
4.14				
27.9000	4.07	3.99	3.92	3.84
3.76				
28.1500	3.68	3.60	3.52	3.45
3.37				
28.4000	3.29	3.21	3.14	3.06
2.99				
28.6500	2.92	2.84	2.77	2.71
2.64				
28.9000	2.57	2.51	2.44	2.38
2.32				
29.1500	2.26	2.20	2.15	2.09
2.04				
29.4000	1.99	1.94	1.89	1.84
1.80				
29.6500	1.75	1.71	1.66	1.62
1.58				
29.9000	1.54	1.51	1.47	1.43
1.40				
30.1500	1.37	1.33	1.30	1.27
1.24				
30.4000	1.21	1.18	1.16	1.13
1.11				
30.6500	1.08	1.06	1.03	1.01
.99				
30.9000	.97	.94	.92	.90
.89				
31.1500	.87	.85	.83	.81
.80				
31.4000	.78	.76	.75	.73
.72				
31.6500	.70	.69	.67	.66
.65				
31.9000	.64	.62	.61	.60
.59				
32.1500	.58	.57	.55	.54
.53				
32.4000	.52	.51	.50	.49
.49				
32.6500	.48	.47	.46	.45
.44				
32.9000	.43	.43	.42	.41
.40				
33.1500	.40	.39	.38	.38
.37				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.4000	.36	.36	.35	.34
33.6500	.33	.33	.32	.31
33.9000	.30	.30	.29	.29
34.1500	.28	.27	.27	.26
34.4000	.25	.25	.25	.24
34.6500	.23	.23	.22	.22
34.9000	.21	.21	.21	.20
35.1500	.20	.19	.19	.19
35.4000	.18	.18	.17	.17
35.6500	.16	.16	.16	.15
35.9000	.15	.15	.15	.14
36.1500	.14	.14	.13	.13
36.4000	.13	.12	.12	.12
36.6500	.12	.11	.11	.11
36.9000	.11	.10	.10	.10
37.1500	.10	.10	.09	.09
37.4000	.09	.09	.09	.08
37.6500	.08	.08	.08	.08
37.9000	.08	.07	.07	.07
38.1500	.07	.07	.07	.06

38.4000	.06	.06	.06	.06
.06				
38.6500	.06	.06	.06	.06
.05				
38.9000	.05	.05	.05	.05
.05				
39.1500	.05	.05	.05	.05
.05				
39.4000	.05	.04	.04	.04
.04				
39.6500	.04	.04	.04	.04
.04				
39.9000	.04	.04	.04	.04
.04				
40.1500	.03	.03	.03	.03
.03				
40.4000	.03	.03	.03	.03
.03				
40.6500	.03	.03	.03	.03
.03				
40.9000	.03	.03	.03	.03
.03				
41.1500	.02	.02	.02	.02
.02				
41.4000	.02	.02	.02	.02
.02				
41.6500	.02	.02	.02	.02
.02				
41.9000	.02	.02	.02	.02
.02				
42.1500	.02	.02	.02	.02
.02				
42.4000	.02	.02	.02	.02
.01				
42.6500	.01	.01	.01	.01
.01				
42.9000	.01	.01	.01	.01
.01				
43.1500	.01	.01	.01	.01
.01				
43.4000	.01	.01	.01	.01
.01				
43.6500	.01	.01	.01	.01
.01				
43.9000	.01	.01	.01	.01
.01				
44.1500	.01	.01	.01	.01
.01				
44.4000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
44.6500	.01	.01	.01	.01
44.9000	.01	.01	.01	.01
45.1500	.01	.01	.01	.01
45.4000	.01	.01	.01	.01
45.6500	.01	.01	.01	.01
45.9000	.01	.01	.01	.01
46.1500	.01	.01	.01	.01
46.4000	.01	.01	.01	.01
46.6500	.01	.01	.01	.01
46.9000	.01	.01	.01	.01
47.1500	.01	.01	.01	.01
47.4000	.01	.01	.01	.01
47.6500	.01	.01	.01	.01
47.9000	.01	.01	.01	.01
48.1500	.01	.01	.01	.01
48.4000	.01	.01	.01	.01
48.6500	.01	.01	.01	.01
48.9000	.01	.01	.01	.01
49.1500	.01	.01	.01	.01
49.4000	.01	.01	.01	.01

49.6500	.01	.01	.01	.01
.01				
49.9000	.01	.01	.01	.01
.01				
50.1500	.01	.01	.01	.01
.01				
50.4000	.01	.01	.01	.01
.01				
50.6500	.01	.01	.01	.01
.01				
50.9000	.01	.01	.01	.01
.01				
51.1500	.01	.01	.01	.01
.01				
51.4000	.01	.01	.01	.01
.01				
51.6500	.01	.01	.01	.01
.01				
51.9000	.01	.01	.01	.01
.01				
52.1500	.01	.01	.01	.01
.01				
52.4000	.01	.01	.01	.01
.01				
52.6500	.01	.01	.01	.01
.01				
52.9000	.01	.01	.01	.01
.01				
53.1500	.01	.01	.01	.01
.01				
53.4000	.01	.01	.01	.01
.01				
53.6500	.01	.01	.01	.01
.01				
53.9000	.01	.01	.01	.01
.01				
54.1500	.01	.01	.01	.01
.01				
54.4000	.01	.01	.01	.01
.01				
54.6500	.01	.01	.01	.01
.01				
54.9000	.01	.01	.01	.01
.01				
55.1500	.01	.01	.01	.01
.01				
55.4000	.01	.01	.01	.01
.01				
55.6500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
55.9000	.01	.01	.01	.01 .01
56.1500	.01	.01	.01	.01 .01
56.4000	.01	.01	.01	.01 .01
56.6500	.01	.01	.01	.01 .01
56.9000	.01	.01	.01	.01 .01
57.1500	.01	.01	.01	.01 .01
57.4000	.01	.01	.01	.01 .01
57.6500	.01	.01	.01	.01 .01
57.9000	.01	.01	.01	.01 .01
58.1500	.01	.01	.01	.01 .01
58.4000	.01	.01	.01	.01 .01
58.6500	.01	.01	.01	.01 .01
58.9000	.01	.01	.01	.01 .01
59.1500	.01	.01	.01	.01 .01
59.4000	.01	.01	.01	.01 .01
59.6500	.01	.01	.01	.01 .01
59.9000	.01	.01	.00	.00 .00
60.1500	.00	.00	.00	.00 .00
60.4000	.00	.00	.00	.00 .00
60.6500	.00	.00	.00	.00 .00

60.9000	.00	.00	.00	.00
61.1500	.00	.00	.00	.00
61.4000	.00	.00	.00	.00
61.6500	.00	.00	.00	.00
61.9000	.00	.00	.00	.00
62.1500	.00	.00	.00	.00
62.4000	.00	.00	.00	.00

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J1 15
Outflow HYG file = NONE STORED - REACH 50 15

Reach Link Data = REACH 50
Reach Length = 500.00 ft
Approx. Total Tt = .0458 hrs (based on Wtd.Q = 400.61 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
573.00	.00	0	0	.00	.00	.00
573.01	.01	75	7520	.00	.01	.84
573.40	4.38	3160	8300	.00	4.38	39.49
573.80	14.11	6640	9100	.00	14.11	87.89
574.20	28.22	10440	9900	.00	28.22	144.22
574.60	46.44	14560	10700	.00	46.44	208.21
575.00	68.71	19000	11500	.00	68.71	279.83
575.40	95.06	23760	12300	.00	95.06	359.07
575.80	125.54	28840	13100	.00	125.54	445.99

576.20	160.25	34240	13900	.00	160.25
540.70					
576.60	199.28	39960	14700	.00	199.28
643.27					
577.00	242.75	46000	15500	.00	242.75
753.86					
577.40	290.78	52360	16300	.00	290.78
872.56					
577.80	343.48	59040	17100	.00	343.48
999.48					
578.20	401.00	66040	17900	.00	401.00
1134.78					
578.60	463.44	73360	18700	.00	463.44
1278.55					
579.00	530.95	81000	19500	.00	530.95
1430.95					
579.40	603.65	88960	20300	.00	603.65
1592.10					
579.80	681.65	97240	21100	.00	681.65
1762.09					
580.20	765.10	105840	21900	.00	765.10
1941.10					

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J1 15
Outflow HYG file = NONE STORED - REACH 50 15

Reach Link Data = REACH 50
Reach Length = 500.00 ft
Approx. Total Tt = .0458 hrs (based on Wtd.Q = 400.61 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
580.60	854.10	114759	22700	.00	854.10	2129.21
581.00	948.81	124000	23500	.00	948.81	2326.59
581.40	1049.34	133561	24300	.00	1049.34	2533.35
581.80	1155.80	143440	25100	.00	1155.80	2749.57
582.20	1268.33	153640	25900	.00	1268.33	2975.44
582.60	1387.03	164159	26700	.00	1387.03	3211.02
583.00	1512.05	175000	27500	.00	1512.05	3456.50
583.40	1643.51	186161	28300	.00	1643.51	3711.96
583.80	1781.49	197640	29100	.00	1781.49	3977.48

584.20	1926.15	209440	29900	.00	1926.15
4253.27					
584.60	2077.58	221559	30700	.00	2077.58
4539.35					
585.00	2235.92	234000	31500	.00	2235.92
4835.92					
585.40	2401.29	246761	32300	.00	2401.29
5143.07					
585.80	2573.76	259840	33100	.00	2573.76
5460.86					
586.20	2753.50	273240	33900	.00	2753.50
5789.50					
586.60	2940.57	286959	34700	.00	2940.57
6129.00					
587.00	3135.13	301000	35500	.00	3135.13
6479.58					
587.40	3337.29	315361	36300	.00	3337.29
6841.30					
587.80	3547.10	330040	37100	.00	3547.10
7214.21					
588.20	3764.76	345041	37900	.00	3764.76
7598.54					

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J1 15
Outflow HYG file = NONE STORED - REACH 50 15

Reach Link Data = REACH 50
Reach Length = 500.00 ft
Approx. Total Tt = .0458 hrs (based on Wtd.Q = 400.61 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
588.60	3990.29	360359	38700	.00	3990.29	7994.28
589.00	4223.88	376000	39500	.00	4223.88	8401.65
589.40	4465.60	391961	40300	.00	4465.60	8820.72
589.80	4715.52	408240	41100	.00	4715.52	9251.52
590.20	4973.83	424841	41900	.00	4973.83	9694.28
590.60	5240.55	441759	42700	.00	5240.55	10148.98
591.00	5515.87	459000	43500	.00	5515.87	10615.87
591.40	5799.85	476561	44300	.00	5799.85	11094.97
591.80	6092.55	494439	45100	.00	6092.55	11586.33

592.20	6394.18	512641	45900	.00	6394.18
12090.18					
592.60	6704.73	531159	46700	.00	6704.73
12606.49					
593.00	7024.40	550000	47500	.00	7024.40
13135.51					

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J1 15
Outflow HYG file = NONE STORED - REACH 50 15

Reach Link Data = REACH 50
Reach Length = 500.00 ft
Approx. Total Tt = .0458 hrs (based on Wtd.Q = 400.61 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	857.97 cfs	at	12.6000 hrs
Peak Outflow	=	857.91 cfs	at	12.7000 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	6942343
- Infiltration	=	0
- HYG Vol OUT	=	6942323
- Retained Vol	=	24
Unrouted Vol	=	5 cu.ft (.000% of Inflow Volume)

WARNING: For weighted average inflow, the approximate total travel time through entire reach is shorter than the inflow hydrograph time step. Consider reducing

calculation time step.
Wtd.Avg.Q = 400.61 cfs Approx.Total Tt = .0458 hrs

S/N:
PondPack Ver: Compute Time: Date:

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 50
HYG Tag = 15

Peak Discharge =	857.91 cfs
Time to Peak =	12.7000 hrs
HYG Volume =	6942323 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.0500	.00	.00	.00	.00	.00
8.3000	.00	.00	.00	.00	.01
8.5500	.02	.07	.12	.18	.26
8.8000	.35	.45	.57	.71	.86
9.0500	1.04	1.24	1.46	1.70	1.96
9.3000	2.25	2.55	2.88	3.23	3.59
9.5500	3.98	4.38	5.11	5.75	6.33
9.8000	6.88	7.42	7.96	8.50	9.06
10.0500	9.63	10.22	10.83	11.47	12.13
10.3000	12.82	13.55	14.37	15.33	16.27
10.5500	17.23	18.20	19.22	20.31	21.45
10.8000	22.64	23.92	25.26	26.67	28.18
11.0500	30.02	31.80	33.67	35.69	37.79
11.3000	40.03	42.52	45.14	48.14	51.68

11.5500	55.47	59.76	65.75	73.87	82.69
11.8000	97.00	119.54	144.75	177.01	220.46
12.0500	269.36	323.06	385.88	454.82	523.99
12.3000	590.08	653.20	715.82	764.83	798.77
12.5500	830.22	851.60	857.66	857.91	853.44
12.8000	837.99	815.45	791.56	760.79	724.18
13.0500	686.78	649.89	612.67	575.84	540.98
13.3000	510.23	481.08	453.24	428.76	406.37
13.5500	384.78	364.94	346.97	329.61	313.36
13.8000	298.76	284.86	271.78	259.83	248.61
14.0500	237.93	228.21	219.12	210.18	201.98
14.3000	194.78	187.72	181.01	174.92	169.10
14.5500	163.55	158.55	153.93	149.38	145.17
14.8000	141.31	137.53	134.05	130.92	127.90
15.0500	125.06	122.56	120.11	117.73	115.52
15.3000	113.44	111.40	109.46	107.61	105.79
15.5500	104.01	102.29	100.59	98.93	97.34

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.8000	95.78	94.30	92.94	91.64	90.35
16.0500	89.13	87.98	86.85	85.75	84.67
16.3000	83.61	82.56	81.55	80.56	79.59
16.5500	78.65	77.75	76.86	76.00	75.20
16.8000	74.41	73.65	72.94	72.25	71.58
17.0500	70.95	70.34	69.75	69.19	68.66
17.3000	68.17	67.67	67.19	66.71	66.25
17.5500	65.80	65.35	64.92	64.49	64.07
17.8000	63.65	63.25	62.84	62.44	62.05
18.0500	61.66	61.27	60.89	60.50	60.12
18.3000	59.75	59.37	59.00	58.62	58.25
18.5500	57.88	57.51	57.14	56.77	56.41
18.8000	56.04	55.67	55.30	54.94	54.57
19.0500	54.21	53.84	53.48	53.11	52.75
19.3000	52.38	52.01	51.65	51.28	50.92
19.5500	50.55	50.19	49.82	49.45	49.09
19.8000	48.72	48.35	47.98	47.62	47.25
20.0500	46.88	46.52	46.17	45.83	45.47
20.3000	45.12	44.77	44.42	44.07	43.74
20.5500	43.42	43.10	42.80	42.51	42.23

20.8000	41.97	41.72	41.48	41.26
41.05				
21.0500	40.85	40.66	40.49	40.32
40.17				
21.3000	40.02	39.88	39.74	39.62
39.49				
21.5500	39.38	39.26	39.16	39.05
38.95				
21.8000	38.85	38.76	38.66	38.57
38.48				
22.0500	38.40	38.31	38.23	38.15
38.07				
22.3000	37.98	37.91	37.83	37.75
37.67				
22.5500	37.60	37.52	37.44	37.37
37.30				
22.8000	37.22	37.15	37.08	37.00
36.93				
23.0500	36.86	36.79	36.71	36.64
36.57				
23.3000	36.50	36.43	36.35	36.28
36.21				
23.5500	36.14	36.07	36.00	35.93
35.85				
23.8000	35.78	35.71	35.64	35.57
35.49				
24.0500	35.37	35.19	34.99	34.69
34.27				
24.3000	33.78	33.17	32.35	31.39
30.32				
24.5500	29.09	27.78	26.48	25.05
23.54				
24.8000	21.98	20.43	18.90	17.38
15.92				
25.0500	14.53	13.39	12.30	11.24
10.24				
25.3000	9.28	8.40	7.61	6.89
6.23				
25.5500	5.64	5.11	4.62	4.27
4.02				
25.8000	3.76	3.50	3.24	2.98
2.74				
26.0500	2.51	2.29	2.09	1.90
1.73				
26.3000	1.57	1.43	1.29	1.17
1.06				
26.5500	.96	.86	.78	.70
.63				
26.8000	.57	.51	.46	.41
.37				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.0500	.33	.29	.26	.23 .21
27.3000	.18	.16	.14	.12 .11
27.5500	.09	.08	.07	.06 .05
27.8000	.04	.03	.02	.02 .02
28.0500	.01	.01	.01	.01 .01
28.3000	.01	.01	.01	.01 .01
28.5500	.01	.01	.01	.01 .01
28.8000	.01	.01	.01	.01 .01
29.0500	.01	.01	.01	.01 .01
29.3000	.01	.01	.01	.01 .00
29.5500	.00	.00	.00	.00 .00
29.8000	.00	.00	.00	.00 .00
30.0500	.00	.00	.00	.00 .00
30.3000	.00	.00	.00	.00 .00
30.5500	.00	.00	.00	

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J1 25
Outflow HYG file = NONE STORED - REACH 50 25

Reach Link Data = REACH 50
Reach Length = 500.00 ft
Approx. Total Tt = .0439 hrs (based on Wtd.Q = 464.91 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	997.04 cfs	at	12.6000 hrs
Peak Outflow	=	996.38 cfs	at	12.6500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	8025762
- Infiltration	=	0
- HYG Vol OUT	=	8025735
- Retained Vol	=	24
Unrouted Vol	=	-3 cu.ft (.000% of Inflow Volume)

WARNING: For weighted average inflow, the approximate total travel time through entire reach is shorter than the inflow hydrograph time step. Consider reducing

calculation time step.
Wtd.Avg.Q = 464.91 cfs Approx.Total Tt = .0439 hrs

S/N:
PondPack Ver: Compute Time: Date:

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 50
HYG Tag = 25

Peak Discharge =	996.38 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	8025735 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.5500	.00	.00	.00	.00
7.8000	.00	.00	.00	.00
8.0500	.01	.05	.10	.15
8.3000	.30	.39	.49	.61
8.5500	.89	1.06	1.25	1.45
8.8000	1.92	2.19	2.48	2.78
9.0500	3.46	3.83	4.22	4.83
9.3000	6.13	6.72	7.29	7.86
9.5500	9.02	9.60	10.20	10.80
9.8000	12.04	12.67	13.32	13.98
10.0500	15.60	16.38	17.16	17.97
10.3000	19.66	20.57	21.53	22.52
10.5500	24.70	25.86	27.09	28.45
10.8000	31.54	33.15	34.83	36.56

Time hrs				
7.5500	.00	.00	.00	.00
7.8000	.00	.00	.00	.01
8.0500	.01	.05	.10	.15
8.3000	.30	.39	.49	.61
8.5500	.89	1.06	1.25	1.45
8.8000	1.92	2.19	2.48	2.78
9.0500	3.46	3.83	4.22	4.83
9.3000	6.13	6.72	7.29	7.86
9.5500	9.02	9.60	10.20	10.80
9.8000	12.04	12.67	13.32	13.98
10.0500	15.60	16.38	17.16	17.97
10.3000	19.66	20.57	21.53	22.52
10.5500	24.70	25.86	27.09	28.45
10.8000	31.54	33.15	34.83	36.56

Time hrs				
7.5500	.00	.00	.00	.00
7.8000	.00	.00	.00	.00
8.0500	.01	.05	.10	.15
8.3000	.30	.39	.49	.61
8.5500	.89	1.06	1.25	1.45
8.8000	1.92	2.19	2.48	2.78
9.0500	3.46	3.83	4.22	4.83
9.3000	6.13	6.72	7.29	7.86
9.5500	9.02	9.60	10.20	10.80
9.8000	12.04	12.67	13.32	13.98
10.0500	15.60	16.38	17.16	17.97
10.3000	19.66	20.57	21.53	22.52
10.5500	24.70	25.86	27.09	28.45
10.8000	31.54	33.15	34.83	36.56

11.0500	40.42	42.48	44.70	47.20	49.91
11.3000	52.72	55.77	58.97	62.45	66.50
11.5500	71.15	76.51	83.89	93.39	104.07
11.8000	121.34	148.13	177.77	215.76	266.76
12.0500	323.82	386.27	459.16	539.07	618.87
12.3000	694.61	766.72	838.60	894.27	931.67
12.5500	967.23	990.89	996.38	995.54	989.33
12.8000	970.15	943.08	914.87	878.41	835.09
13.0500	791.58	748.15	705.09	662.00	621.68
13.3000	585.92	552.21	519.90	491.56	465.66
13.5500	440.69	417.66	396.98	376.88	358.00
13.8000	341.20	325.31	310.02	296.22	283.48
14.0500	271.16	259.79	249.30	239.11	229.88
14.3000	221.46	213.22	205.49	198.53	192.05
14.5500	185.73	179.93	174.49	169.23	164.41
14.8000	160.00	155.83	151.89	148.31	144.85
15.0500	141.58	138.60	135.76	133.04	130.52

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.3000	128.15	125.82	123.69	121.62	119.54
15.5500	117.52	115.55	113.61	111.71	109.89
15.8000	108.11	106.39	104.79	103.29	101.83
16.0500	100.45	99.15	97.87	96.62	95.40
16.3000	94.24	93.09	91.96	90.84	89.74
16.5500	88.68	87.65	86.64	85.68	84.76
16.8000	83.87	83.01	82.20	81.42	80.66
17.0500	79.95	79.26	78.59	77.96	77.35
17.3000	76.76	76.18	75.63	75.09	74.56
17.5500	74.05	73.55	73.06	72.58	72.10
17.8000	71.63	71.17	70.71	70.26	69.81
18.0500	69.37	68.93	68.51	68.10	67.68
18.3000	67.25	66.83	66.40	65.98	65.56
18.5500	65.14	64.72	64.30	63.89	63.47
18.8000	63.06	62.64	62.23	61.81	61.40
19.0500	60.98	60.57	60.16	59.75	59.33
19.3000	58.92	58.51	58.09	57.68	57.27
19.5500	56.86	56.44	56.03	55.61	55.20
19.8000	54.79	54.37	53.96	53.54	53.13
20.0500	52.71	52.30	51.89	51.48	51.07

20.3000	50.66	50.27	49.87	49.49	49.12
20.5500	48.75	48.40	48.06	47.74	47.42
20.8000	47.13	46.85	46.58	46.34	46.12
21.0500	45.90	45.69	45.50	45.31	45.13
21.3000	44.97	44.81	44.66	44.51	44.38
21.5500	44.24	44.11	43.99	43.87	43.76
21.8000	43.65	43.54	43.43	43.33	43.23
22.0500	43.13	43.04	42.94	42.85	42.76
22.3000	42.66	42.57	42.49	42.40	42.31
22.5500	42.22	42.14	42.05	41.97	41.88
22.8000	41.80	41.72	41.63	41.55	41.47
23.0500	41.39	41.31	41.22	41.14	41.06
23.3000	40.98	40.90	40.81	40.73	40.65
23.5500	40.57	40.49	40.41	40.33	40.25
23.8000	40.17	40.09	40.01	39.93	39.84
24.0500	39.70	39.50	39.27	38.94	38.46
24.3000	37.91	37.23	36.31	35.23	34.03
24.5500	32.65	31.11	29.49	27.85	26.28
24.8000	24.60	22.89	21.19	19.50	17.86
25.0500	16.31	14.82	13.55	12.46	11.40
25.3000	10.36	9.39	8.52	7.72	6.98
25.5500	6.33	5.73	5.18	4.69	4.30
25.8000	4.06	3.80	3.53	3.27	3.01
26.0500	2.77	2.54	2.32	2.12	1.93
26.3000	1.75	1.59	1.44	1.31	1.18

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
26.5500	1.07	.97	.87	.79	.71
26.8000	.64	.57	.51	.46	.41
27.0500	.37	.33	.29	.26	.23
27.3000	.21	.18	.16	.14	.12
27.5500	.10	.09	.08	.06	.05
27.8000	.04	.04	.03	.02	.02
28.0500	.01	.01	.01	.01	.01
28.3000	.01	.01	.01	.01	.01
28.5500	.01	.01	.01	.01	.01
28.8000	.01	.01	.01	.01	.01
29.0500	.01	.01	.01	.01	.01
29.3000	.01	.01	.01	.01	.01
29.5500	.00	.00	.00	.00	.00
29.8000	.00	.00	.00	.00	.00
30.0500	.00	.00	.00	.00	.00
30.3000	.00	.00	.00	.00	.00
30.5500	.00	.00	.00	.00	

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J1 100
Outflow HYG file = NONE STORED - REACH 50 100

Reach Link Data = REACH 50
Reach Length = 500.00 ft
Approx. Total Tt = .0404 hrs (based on Wtd.Q = 635.22 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1368.25 cfs	at	12.6000 hrs
Peak Outflow	=	1366.30 cfs	at	12.6500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	10941710
- Infiltration	=	0
- HYG Vol OUT	=	10941680
- Retained Vol	=	24
Unrouted Vol	=	-4 cu.ft (.000% of Inflow Volume)

WARNING: For weighted average inflow, the approximate total travel time through entire reach is shorter than the inflow hydrograph time step. Consider reducing

calculation time step.
Wtd.Avg.Q = 635.22 cfs Approx.Total Tt = .0404 hrs

S/N:
PondPack Ver: Compute Time: Date:

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 50
HYG Tag = 100

Peak Discharge =	1366.30 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	10941680 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
6.5500	.00	.00	.00	.00
6.8000	.00	.00	.00	.01
7.0500	.05	.10	.16	.23
7.3000	.41	.52	.65	.80
7.5500	1.14	1.34	1.56	1.79
7.8000	2.31	2.59	2.88	3.19
8.0500	3.85	4.20	4.71	5.31
8.3000	6.33	6.80	7.27	7.74
8.5500	8.70	9.21	9.73	10.26
8.8000	11.41	12.02	12.66	13.32
9.0500	14.86	15.71	16.53	17.35
9.3000	19.05	19.92	20.81	21.71
9.5500	23.55	24.48	25.42	26.36
9.8000	28.27	29.37	30.41	31.43

Time hrs				
6.5500	.00	.00	.00	.00
6.8000	.00	.00	.00	.01
7.0500	.05	.10	.16	.23
7.3000	.41	.52	.65	.80
7.5500	1.14	1.34	1.56	1.79
7.8000	2.31	2.59	2.88	3.19
8.0500	3.85	4.20	4.71	5.31
8.3000	6.33	6.80	7.27	7.74
8.5500	8.70	9.21	9.73	10.26
8.8000	11.41	12.02	12.66	13.32
9.0500	14.86	15.71	16.53	17.35
9.3000	19.05	19.92	20.81	21.71
9.5500	23.55	24.48	25.42	26.36
9.8000	28.27	29.37	30.41	31.43

10.0500	33.53	34.61	35.74	36.93	38.16
10.3000	39.44	40.81	42.26	43.74	45.33
10.5500	47.10	48.98	50.91	52.96	55.07
10.8000	57.28	59.67	62.17	64.77	67.57
11.0500	70.68	73.88	77.26	80.93	84.70
11.3000	88.76	93.24	98.09	103.40	109.48
11.5500	116.14	123.73	134.88	149.08	164.16
11.8000	189.59	227.92	269.69	323.06	394.26
12.0500	473.23	559.12	658.90	767.38	875.48
12.3000	976.86	1072.74	1168.24	1240.80	1288.04
12.5500	1333.64	1362.31	1366.30	1362.28	1351.06
12.8000	1322.02	1282.49	1241.80	1190.16	1129.36
13.0500	1068.62	1008.61	949.03	890.09	834.63
13.3000	785.89	739.84	695.72	657.11	622.09
13.5500	587.70	556.61	528.50	501.11	475.50
13.8000	452.93	431.19	410.45	392.03	374.79
14.0500	357.94	342.62	328.83	315.00	302.35

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
14.3000	291.04	280.24	269.93	260.59	251.65
14.5500	243.13	235.59	228.38	221.36	214.93
14.8000	209.05	203.29	198.03	193.42	188.83
15.0500	184.49	180.54	176.77	173.16	169.81
15.3000	166.66	163.57	160.63	157.92	155.19
15.5500	152.51	149.90	147.33	144.82	142.41
15.8000	140.06	137.79	135.69	133.73	131.82
16.0500	130.02	128.32	126.65	125.03	123.50
16.3000	121.94	120.40	118.91	117.45	116.01
16.5500	114.62	113.29	111.97	110.72	109.53
16.8000	108.37	107.25	106.20	105.18	104.19
17.0500	103.26	102.37	101.50	100.67	99.88
17.3000	99.10	98.35	97.64	96.93	96.24
17.5500	95.58	94.93	94.31	93.69	93.08
17.8000	92.46	91.86	91.26	90.67	90.09
18.0500	89.51	88.94	88.37	87.81	87.25
18.3000	86.69	86.13	85.58	85.03	84.48
18.5500	83.94	83.39	82.85	82.30	81.76
18.8000	81.22	80.68	80.14	79.60	79.06
19.0500	78.53	77.99	77.45	76.92	76.38

19.3000	75.84	75.31	74.77	74.23
73.70				
19.5500	73.16	72.63	72.09	71.55
71.01				
19.8000	70.48	69.94	69.40	68.86
68.35				
20.0500	67.83	67.31	66.78	66.24
65.72				
20.3000	65.19	64.68	64.17	63.67
63.19				
20.5500	62.71	62.26	61.82	61.40
61.00				
20.8000	60.61	60.26	59.91	59.58
59.28				
21.0500	58.99	58.71	58.46	58.22
57.99				
21.3000	57.78	57.57	57.38	57.19
57.01				
21.5500	56.84	56.67	56.52	56.36
56.21				
21.8000	56.07	55.93	55.79	55.66
55.53				
22.0500	55.40	55.27	55.15	55.03
54.91				
22.3000	54.79	54.67	54.55	54.44
54.32				
22.5500	54.21	54.10	53.99	53.88
53.77				
22.8000	53.66	53.55	53.44	53.33
53.22				
23.0500	53.12	53.01	52.90	52.80
52.69				
23.3000	52.58	52.48	52.37	52.26
52.16				
23.5500	52.05	51.95	51.84	51.74
51.63				
23.8000	51.53	51.42	51.32	51.21
51.09				
24.0500	50.90	50.64	50.34	49.90
49.26				
24.3000	48.54	47.63	46.42	45.12
43.62				
24.5500	41.86	39.89	37.82	35.65
33.41				
24.8000	31.13	28.87	26.86	24.85
22.82				
25.0500	20.87	18.99	17.19	15.55
14.08				
25.3000	12.96	11.85	10.81	9.83
8.91				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
25.5500	8.09	7.33	6.63	6.01	5.44
25.8000	4.91	4.43	4.17	3.91	3.65
26.0500	3.39	3.13	2.88	2.64	2.41
26.3000	2.20	2.00	1.82	1.65	1.50
26.5500	1.36	1.23	1.11	1.00	.90
26.8000	.81	.73	.66	.59	.53
27.0500	.47	.42	.38	.34	.30
27.3000	.26	.23	.20	.18	.16
27.5500	.13	.12	.10	.08	.07
27.8000	.06	.05	.04	.03	.02
28.0500	.02	.01	.01	.01	.01
28.3000	.01	.01	.01	.01	.01
28.5500	.01	.01	.01	.01	.01
28.8000	.01	.01	.01	.01	.01
29.0500	.01	.01	.01	.01	.01
29.3000	.01	.01	.01	.01	.01
29.5500	.01	.00	.00	.00	.00
29.8000	.00	.00	.00	.00	.00
30.0500	.00	.00	.00	.00	.00
30.3000	.00	.00	.00	.00	.00

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     30.5500 |         .00         .00         .00         .00
.00
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S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J6 15
Outflow HYG file = NONE STORED - REACH 60 15

Reach Link Data = REACH 60
Reach Length = 1585.00 ft
Approx. Total Tt = .1340 hrs (based on Wtd.Q = 535.18 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
573.00	.00	0	0	.00	.00	.00
573.01	.01	238	23838	.00	.01	2.66
573.40	4.38	10018	26311	.00	4.38	115.69
573.80	14.11	21048	28847	.00	14.11	247.98
574.20	28.22	33095	31383	.00	28.22	395.94
574.60	46.44	46154	33919	.00	46.44	559.26
575.00	68.71	60230	36455	.00	68.71	737.94
575.40	95.06	75320	38991	.00	95.06	931.95
575.80	125.54	91422	41527	.00	125.54	1141.35

576.20	160.25	108541	44063	.00	160.25	1366.27
576.60	199.28	126672	46599	.00	199.28	1606.74
577.00	242.75	145820	49135	.00	242.75	1862.97
577.40	290.78	165983	51671	.00	290.78	2135.03
577.80	343.48	187156	54207	.00	343.48	2423.00
578.20	401.00	209348	56743	.00	401.00	2727.08
578.60	463.44	232550	59279	.00	463.44	3047.33
579.00	530.95	256770	61815	.00	530.95	3383.95
579.40	603.65	282005	64351	.00	603.65	3737.03
579.80	681.65	308250	66887	.00	681.65	4106.65
580.20	765.10	335514	69423	.00	765.10	4493.03

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J6 15
Outflow HYG file = NONE STORED - REACH 60 15

Reach Link Data = REACH 60
Reach Length = 1585.00 ft
Approx. Total Tt = .1340 hrs (based on Wtd.Q = 535.18 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
580.60	854.10	363787	71959	.00	854.10	4896.19
581.00	948.81	393080	74495	.00	948.81	5316.37
581.40	1049.34	423387	77031	.00	1049.34	5753.64
581.80	1155.80	454704	79567	.00	1155.80	6208.06
582.20	1268.33	487040	82103	.00	1268.33	6679.88
582.60	1387.03	520385	84639	.00	1387.03	7169.08
583.00	1512.05	554750	87175	.00	1512.05	7675.94
583.40	1643.51	590129	89711	.00	1643.51	8200.50
583.80	1781.49	626518	92247	.00	1781.49	8742.79

584.20	1926.15	663926	94783	.00	1926.15	9303.11
584.60	2077.58	702343	97319	.00	2077.58	9881.39
585.00	2235.92	741780	99855	.00	2235.92	10477.92
585.40	2401.29	782232	102391	.00	2401.29	11092.75
585.80	2573.76	823692	104927	.00	2573.76	11725.88
586.20	2753.50	866172	107463	.00	2753.50	12377.63
586.60	2940.57	909661	109999	.00	2940.57	13047.91
587.00	3135.13	954170	112535	.00	3135.13	13737.02
587.40	3337.29	999694	115071	.00	3337.29	14445.00
587.80	3547.10	1046225	117607	.00	3547.10	15171.83
588.20	3764.76	1093778	120143	.00	3764.76	15917.85

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J6 15
Outflow HYG file = NONE STORED - REACH 60 15

Reach Link Data = REACH 60
Reach Length = 1585.00 ft
Approx. Total Tt = .1340 hrs (based on Wtd.Q = 535.18 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev = 573.00 ft
Starting Volume = 0 cu.ft
Starting Outflow = .00 cfs
Starting Infiltr. = .00 cfs
Starting Total Qout= .00 cfs
Time Increment = .0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
588.60	3990.29	1142338	122679	.00	3990.29	16682.93
589.00	4223.88	1191920	125215	.00	4223.88	17467.43
589.40	4465.60	1242516	127751	.00	4465.60	18271.34
589.80	4715.52	1294119	130287	.00	4715.52	19094.62
590.20	4973.83	1346744	132823	.00	4973.83	19937.65
590.60	5240.55	1400376	135359	.00	5240.55	20800.28
591.00	5515.87	1455030	137895	.00	5515.87	21682.87
591.40	5799.85	1510699	140431	.00	5799.85	22585.39
591.80	6092.55	1567373	142967	.00	6092.55	23507.81

592.20	6394.18	1625071	145503	.00	6394.18
24450.52					
592.60	6704.73	1683774	148039	.00	6704.73
25413.32					
593.00	7024.40	1743500	150575	.00	7024.40
26396.62					

S/N:
PondPack Ver: Compute Time: Date:

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J6 15
Outflow HYG file = NONE STORED - REACH 60 15

Reach Link Data = REACH 60
Reach Length = 1585.00 ft
Approx. Total Tt = .1340 hrs (based on Wtd.Q = 535.18 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1113.83 cfs	at	12.9000 hrs
Peak Outflow	=	1102.61 cfs	at	13.0000 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	10834920
- Infiltration	=	0
- HYG Vol OUT	=	10834860
- Retained Vol	=	77
Unrouted Vol	=	15 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 60
HYG Tag = 15

Peak Discharge =	1102.61 cfs
Time to Peak =	13.0000 hrs
HYG Volume =	10834860 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
4.6000	.00	.00	.00	.00 .00
4.8500	.00	.00	.00	.00 .00
5.1000	.00	.00	.00	.00 .00
5.3500	.01	.01	.01	.02 .04
5.6000	.06	.09	.11	.13 .15
5.8500	.18	.20	.23	.26 .28
6.1000	.31	.34	.37	.40 .43
6.3500	.46	.50	.53	.57 .60
6.6000	.64	.68	.71	.75 .79
6.8500	.83	.87	.92	.96 1.00
7.1000	1.05	1.10	1.14	1.19 1.24
7.3500	1.29	1.34	1.39	1.45 1.50
7.6000	1.56	1.61	1.67	1.73 1.79
7.8500	1.85	1.92	1.98	2.05 2.12

8.1000	2.19	2.26	2.33	2.40	2.48
8.3500	2.55	2.63	2.72	2.80	2.89
8.6000	2.98	3.08	3.18	3.30	3.43
8.8500	3.58	3.73	3.89	4.06	4.23
9.1000	4.44	4.80	5.14	5.47	5.79
9.3500	6.12	6.44	6.77	7.10	7.44
9.6000	7.80	8.16	8.54	8.94	9.35
9.8500	9.78	10.23	10.71	11.22	11.78
10.1000	12.39	13.05	13.75	14.60	15.58
10.3500	16.57	17.56	18.57	19.59	20.65
10.6000	21.72	22.84	24.02	25.29	26.64
10.8500	28.06	29.78	31.55	33.35	35.20
11.1000	37.11	39.08	41.18	43.43	45.83
11.3500	48.61	51.56	54.63	57.83	61.23
11.6000	64.91	68.93	73.76	79.14	85.47
11.8500	93.29	103.94	118.06	137.66	164.38
12.1000	200.35	246.90	303.89	369.59	441.20

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
12.3500	515.69	590.39	663.30	733.17	799.25
12.6000	860.73	917.34	967.48	1010.66	1045.66
12.8500	1072.70	1091.01	1100.82	1102.61	1096.94
13.1000	1084.44	1065.95	1042.49	1015.01	983.97
13.3500	950.31	915.33	878.98	842.43	806.76
13.6000	771.99	739.10	707.70	677.85	649.93
13.8500	623.10	597.48	573.27	549.89	527.66
14.1000	507.01	487.28	468.48	450.91	434.20
14.3500	418.32	403.33	389.54	376.49	364.14
14.6000	352.50	341.52	331.28	321.31	311.62
14.8500	302.20	293.05	284.34	275.86	267.57
15.1000	259.54	251.83	244.46	237.60	231.04
15.3500	224.73	218.70	212.96	207.55	202.43
15.6000	197.65	193.21	188.92	184.79	180.83
15.8500	177.05	173.43	169.96	166.64	163.49
16.1000	160.46	157.68	154.96	152.31	149.73
16.3500	147.24	144.82	142.49	140.25	138.10
16.6000	136.03	134.04	132.12	130.28	128.51
16.8500	126.80	125.18	123.66	122.17	120.71
17.1000	119.28	117.89	116.55	115.25	113.99

17.3500	112.78	111.60	110.47	109.37	108.31
17.6000	107.29	106.30	105.35	104.44	103.55
17.8500	102.69	101.85	101.04	100.24	99.46
18.1000	98.69	97.95	97.22	96.52	95.84
18.3500	95.16	94.54	93.91	93.29	92.67
18.6000	92.05	91.43	90.81	90.20	89.59
18.8500	88.99	88.39	87.80	87.21	86.62
19.1000	86.03	85.45	84.88	84.31	83.74
19.3500	83.18	82.62	82.07	81.51	80.96
19.6000	80.41	79.86	79.31	78.76	78.21
19.8500	77.66	77.11	76.56	76.02	75.48
20.1000	74.95	74.41	73.88	73.35	72.82
20.3500	72.30	71.77	71.25	70.73	70.22
20.6000	69.72	69.22	68.73	68.29	67.84
20.8500	67.39	66.94	66.49	66.05	65.61
21.1000	65.19	64.77	64.36	63.96	63.58
21.3500	63.20	62.84	62.49	62.15	61.82
21.6000	61.51	61.21	60.92	60.64	60.37
21.8500	60.12	59.87	59.63	59.41	59.19
22.1000	58.98	58.77	58.58	58.39	58.21
22.3500	58.03	57.86	57.69	57.53	57.37
22.6000	57.22	57.07	56.92	56.78	56.64
22.8500	56.50	56.37	56.24	56.11	55.98
23.1000	55.86	55.74	55.61	55.49	55.37
23.3500	55.25	55.14	55.02	54.90	54.79

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.6000	54.67	54.55	54.44	54.33	54.21
23.8500	54.10	53.99	53.87	53.76	53.65
24.1000	53.53	53.41	53.27	53.10	52.88
24.3500	52.60	52.26	51.84	51.34	50.77
24.6000	50.12	49.40	48.61	47.78	46.90
24.8500	46.02	45.11	44.12	43.05	41.91
25.1000	40.71	39.47	38.18	36.87	35.55
25.3500	34.23	32.92	31.65	30.42	29.21
25.6000	28.05	27.04	26.01	24.98	23.94
25.8500	22.91	21.90	20.90	19.94	19.01
26.1000	18.13	17.30	16.53	15.81	15.13
26.3500	14.49	13.92	13.46	12.99	12.52
26.6000	12.05	11.59	11.13	10.68	10.25
26.8500	9.82	9.40	9.00	8.62	8.25
27.1000	7.89	7.55	7.22	6.91	6.62
27.3500	6.34	6.09	5.85	5.63	5.43
27.6000	5.25	5.09	4.94	4.80	4.67
27.8500	4.55	4.43	4.35	4.29	4.23
28.1000	4.17	4.11	4.05	3.98	3.92
28.3500	3.85	3.78	3.72	3.65	3.58

28.6000	3.51	3.44	3.38	3.31	3.24
28.8500	3.17	3.11	3.04	2.97	2.91
29.1000	2.85	2.78	2.72	2.66	2.60
29.3500	2.54	2.48	2.42	2.37	2.31
29.6000	2.26	2.20	2.15	2.10	2.05
29.8500	2.00	1.95	1.90	1.86	1.81
30.1000	1.77	1.73	1.69	1.65	1.61
30.3500	1.57	1.53	1.49	1.46	1.42
30.6000	1.39	1.36	1.33	1.29	1.26
30.8500	1.24	1.21	1.18	1.15	1.12
31.1000	1.10	1.07	1.05	1.03	1.00
31.3500	.98	.96	.94	.92	.90
31.6000	.88	.86	.84	.82	.80
31.8500	.79	.77	.75	.74	.72
32.1000	.71	.69	.68	.66	.65
32.3500	.64	.62	.61	.60	.59
32.6000	.58	.56	.55	.54	.53
32.8500	.52	.51	.50	.49	.48
33.1000	.47	.46	.46	.45	.44
33.3500	.43	.42	.41	.41	.40
33.6000	.39	.38	.38	.37	.36
33.8500	.36	.35	.34	.34	.33
34.1000	.33	.32	.31	.31	.30
34.3500	.30	.29	.29	.28	.28
34.6000	.27	.27	.26	.26	.25

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.8500	.25	.24	.24	.24
	.23			
35.1000	.23	.22	.22	.22
	.21			
35.3500	.21	.20	.20	.20
	.19			
35.6000	.19	.19	.18	.18
	.18			
35.8500	.17	.17	.17	.17
	.16			
36.1000	.16	.16	.15	.15
	.15			
36.3500	.15	.14	.14	.14
	.14			
36.6000	.13	.13	.13	.13
	.13			
36.8500	.12	.12	.12	.12
	.12			
37.1000	.11	.11	.11	.11
	.11			
37.3500	.10	.10	.10	.10
	.10			
37.6000	.10	.09	.09	.09
	.09			
37.8500	.09	.09	.08	.08
	.08			
38.1000	.08	.08	.08	.08
	.07			
38.3500	.07	.07	.07	.07
	.07			
38.6000	.07	.07	.07	.06
	.06			
38.8500	.06	.06	.06	.06
	.06			
39.1000	.06	.06	.05	.05
	.05			
39.3500	.05	.05	.05	.05
	.05			
39.6000	.05	.05	.05	.05
	.04			

39.8500	.04	.04	.04	.04
40.1000	.04	.04	.04	.04
40.3500	.04	.04	.04	.04
40.6000	.03	.03	.03	.03
40.8500	.03	.03	.03	.03
41.1000	.03	.03	.03	.03
41.3500	.03	.03	.03	.02
41.6000	.02	.02	.02	.02
41.8500	.02	.02	.02	.02
42.1000	.02	.02	.02	.02
42.3500	.02	.02	.02	.02
42.6000	.02	.02	.02	.02
42.8500	.02	.02	.02	.01
43.1000	.01	.01	.01	.01
43.3500	.01	.01	.01	.01
43.6000	.01	.01	.01	.01
43.8500	.01	.01	.01	.01
44.1000	.01	.01	.01	.01
44.3500	.01	.01	.01	.01
44.6000	.01	.01	.01	.01
44.8500	.01	.01	.01	.01
45.1000	.01	.01	.01	.01
45.3500	.01	.01	.01	.01
45.6000	.01	.01	.01	.01
45.8500	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
46.1000	.01	.01	.01	.01
46.3500	.01	.01	.01	.01
46.6000	.01	.01	.01	.01
46.8500	.01	.01	.01	.01
47.1000	.01	.01	.01	.01
47.3500	.01	.01	.01	.01
47.6000	.01	.01	.01	.01
47.8500	.01	.01	.01	.01
48.1000	.01	.01	.01	.01
48.3500	.01	.01	.01	.01
48.6000	.01	.01	.01	.01
48.8500	.01	.01	.01	.01
49.1000	.01	.01	.01	.01
49.3500	.01	.01	.01	.01
49.6000	.01	.01	.01	.01
49.8500	.01	.01	.01	.01
50.1000	.01	.01	.01	.01
50.3500	.01	.01	.01	.01
50.6000	.01	.01	.01	.01
50.8500	.01	.01	.01	.01

51.1000	.01	.01	.01	.01
.01				
51.3500	.01	.01	.01	.01
.01				
51.6000	.01	.01	.01	.01
.01				
51.8500	.01	.01	.01	.01
.01				
52.1000	.01	.01	.01	.01
.01				
52.3500	.01	.01	.01	.01
.01				
52.6000	.01	.01	.01	.01
.01				
52.8500	.01	.01	.01	.01
.01				
53.1000	.01	.01	.01	.01
.01				
53.3500	.01	.01	.01	.01
.01				
53.6000	.01	.01	.01	.01
.01				
53.8500	.01	.01	.01	.01
.01				
54.1000	.01	.01	.01	.01
.01				
54.3500	.01	.01	.01	.01
.01				
54.6000	.01	.01	.01	.01
.01				
54.8500	.01	.01	.01	.01
.01				
55.1000	.01	.01	.01	.01
.01				
55.3500	.01	.01	.01	.01
.01				
55.6000	.01	.01	.01	.01
.01				
55.8500	.01	.01	.01	.01
.01				
56.1000	.01	.01	.01	.01
.01				
56.3500	.01	.01	.01	.01
.01				
56.6000	.01	.01	.01	.01
.01				
56.8500	.01	.01	.01	.01
.01				
57.1000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
57.3500	.01	.01	.01	.01
57.6000	.01	.01	.01	.01
57.8500	.01	.01	.01	.01
58.1000	.01	.01	.01	.01
58.3500	.01	.01	.01	.01
58.6000	.01	.01	.01	.01
58.8500	.01	.01	.01	.01
59.1000	.01	.01	.01	.01
59.3500	.01	.01	.01	.01
59.6000	.01	.01	.01	.01
59.8500	.01	.01	.01	.01
60.1000	.01	.01	.01	.01
60.3500	.01	.01	.01	.01
60.6000	.01	.01	.01	.01
60.8500	.01	.01	.01	.01
61.1000	.01	.01	.01	.01
61.3500	.01	.01	.01	.01
61.6000	.01	.01	.01	.01
61.8500	.01	.01	.01	.01
62.1000	.01	.01	.01	.01

62.3500	.01	.01	.01	.01
.01				
62.6000	.01	.01	.01	.01
.01				
62.8500	.01	.01	.01	.01
.01				
63.1000	.01	.01	.01	.01
.01				
63.3500	.01	.01	.01	.01
.01				
63.6000	.01	.01	.01	.01
.00				
63.8500	.00	.00	.00	.00
.00				
64.1000	.00	.00	.00	.00
.00				
64.3500	.00	.00	.00	.00
.00				
64.6000	.00	.00	.00	.00
.00				
64.8500	.00	.00	.00	.00
.00				
65.1000	.00	.00	.00	.00
.00				
65.3500	.00	.00	.00	.00
.00				
65.6000	.00	.00	.00	.00
.00				
65.8500	.00	.00	.00	.00
.00				
66.1000	.00	.00	.00	.00
.00				
66.3500	.00	.00	.00	.00
.00				
66.6000	.00	.00	.00	.00
.00				
66.8500	.00	.00	.00	.00
.00				
67.1000	.00	.00	.00	.00
.00				
67.3500	.00	.00	.00	

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J6 25
Outflow HYG file = NONE STORED - REACH 60 25

Reach Link Data = REACH 60
Reach Length = 1585.00 ft
Approx. Total Tt = .1293 hrs (based on Wtd.Q = 611.50 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1276.07 cfs	at	12.9000 hrs
Peak Outflow	=	1263.42 cfs	at	12.9500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	12427540
- Infiltration	=	0
- HYG Vol OUT	=	12427490
- Retained Vol	=	77
Unrouted Vol	=	26 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 60
HYG Tag = 25

Peak Discharge =	1263.42 cfs
Time to Peak =	12.9500 hrs
HYG Volume =	12427490 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
4.2500	.00	.00	.00	.00 .00
4.5000	.00	.00	.00	.00 .00
4.7500	.00	.00	.00	.00 .00
5.0000	.01	.01	.01	.02 .04
5.2500	.06	.08	.11	.13 .15
5.5000	.18	.21	.23	.26 .29
5.7500	.32	.35	.38	.41 .45
6.0000	.48	.52	.55	.59 .63
6.2500	.67	.71	.75	.79 .83
6.5000	.87	.92	.96	1.01 1.06
6.7500	1.11	1.16	1.21	1.26 1.31
7.0000	1.37	1.42	1.48	1.54 1.60
7.2500	1.66	1.72	1.79	1.85 1.92
7.5000	1.99	2.06	2.13	2.20 2.28

7.7500	2.35	2.43	2.51	2.59	2.68
8.0000	2.77	2.86	2.95	3.05	3.16
8.2500	3.28	3.41	3.56	3.70	3.86
8.5000	4.02	4.19	4.36	4.67	4.99
8.7500	5.30	5.61	5.90	6.20	6.50
9.0000	6.80	7.11	7.43	7.76	8.11
9.2500	8.48	8.86	9.27	9.70	10.15
9.5000	10.62	11.13	11.69	12.31	12.96
9.7500	13.66	14.46	15.43	16.38	17.34
10.0000	18.30	19.26	20.24	21.23	22.24
10.2500	23.28	24.36	25.52	26.73	28.00
10.5000	29.51	31.06	32.62	34.20	35.80
10.7500	37.44	39.13	40.88	42.74	44.71
11.0000	46.83	49.25	51.74	54.29	56.94
11.2500	59.69	62.60	65.70	69.02	72.81
11.5000	76.75	80.88	85.30	90.15	95.64
11.7500	102.31	110.12	119.83	132.78	150.28

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
12.0000	174.21	206.60	249.71	304.75	371.12
12.2500	446.67	528.36	613.15	697.72	780.04
12.5000	858.92	933.72	1003.36	1066.53	1122.62
12.7500	1170.06	1208.38	1236.57	1254.81	1263.42
13.0000	1262.95	1254.06	1237.53	1214.16	1185.05
13.2500	1151.43	1114.76	1075.47	1034.96	994.26
13.5000	953.38	913.48	874.10	836.08	799.86
13.7500	765.28	733.19	702.70	674.02	647.29
14.0000	621.88	597.86	575.20	553.27	532.19
14.2500	512.39	493.28	475.08	457.99	441.97
14.5000	426.59	411.98	398.26	385.62	373.60
14.7500	362.25	351.59	341.59	332.33	323.42
15.0000	314.82	306.49	298.39	290.48	282.96
15.2500	275.49	268.12	260.93	253.97	247.29
15.5000	240.92	234.94	229.13	223.53	218.15
15.7500	213.01	208.11	203.46	199.03	194.94
16.0000	190.95	187.08	183.34	179.74	176.29
16.2500	172.99	169.83	166.81	163.93	161.18
16.5000	158.62	156.18	153.80	151.48	149.24
16.7500	147.06	144.96	142.93	140.97	139.09

17.0000	137.29	135.55	133.88	132.27	130.71
17.2500	129.21	127.79	126.41	125.11	123.89
17.5000	122.69	121.52	120.37	119.26	118.18
17.7500	117.13	116.12	115.14	114.19	113.26
18.0000	112.36	111.48	110.62	109.78	108.96
18.2500	108.16	107.37	106.59	105.83	105.09
18.5000	104.37	103.66	102.96	102.27	101.59
18.7500	100.91	100.24	99.56	98.88	98.21
19.0000	97.53	96.87	96.22	95.57	94.94
19.2500	94.33	93.72	93.10	92.48	91.85
19.5000	91.22	90.60	89.97	89.34	88.71
19.7500	88.08	87.46	86.83	86.20	85.58
20.0000	84.96	84.34	83.73	83.12	82.51
20.2500	81.90	81.30	80.69	80.09	79.49
20.5000	78.90	78.31	77.73	77.15	76.59
20.7500	76.03	75.49	74.97	74.45	73.95
21.0000	73.46	72.98	72.51	72.06	71.62
21.2500	71.19	70.77	70.37	69.99	69.62
21.5000	69.27	68.92	68.61	68.31	68.02
21.7500	67.74	67.46	67.19	66.92	66.67
22.0000	66.42	66.18	65.95	65.73	65.51
22.2500	65.30	65.10	64.90	64.71	64.53
22.5000	64.35	64.17	64.00	63.83	63.67
22.7500	63.51	63.35	63.20	63.04	62.90
23.0000	62.75	62.60	62.46	62.32	62.18

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.2500	62.04	61.90	61.77	61.63	61.50
23.5000	61.37	61.23	61.10	60.97	60.84
23.7500	60.71	60.59	60.46	60.33	60.21
24.0000	60.08	59.95	59.82	59.68	59.52
24.2500	59.32	59.07	58.76	58.36	57.88
24.5000	57.30	56.63	55.86	55.01	54.08
24.7500	53.08	52.02	50.90	49.74	48.53
25.0000	47.28	46.02	44.79	43.48	42.11
25.2500	40.69	39.24	37.76	36.28	34.81
25.5000	33.36	31.96	30.62	29.30	28.05
25.7500	26.97	25.88	24.79	23.71	22.65
26.0000	21.60	20.58	19.61	18.68	17.80
26.2500	16.98	16.22	15.50	14.83	14.19
26.5000	13.69	13.22	12.74	12.27	11.80
26.7500	11.34	10.88	10.44	10.00	9.58
27.0000	9.17	8.78	8.40	8.04	7.69
27.2500	7.35	7.04	6.74	6.46	6.19
27.5000	5.95	5.72	5.51	5.33	5.16
27.7500	5.00	4.86	4.72	4.60	4.48
28.0000	4.37	4.32	4.26	4.20	4.14

28.2500	4.07	4.01	3.94	3.88
3.81				
28.5000	3.74	3.68	3.61	3.54
3.47				
28.7500	3.40	3.34	3.27	3.20
3.14				
29.0000	3.07	3.00	2.94	2.87
2.81				
29.2500	2.75	2.69	2.63	2.57
2.51				
29.5000	2.45	2.39	2.34	2.28
2.23				
29.7500	2.18	2.12	2.07	2.02
1.98				
30.0000	1.93	1.88	1.84	1.79
1.75				
30.2500	1.71	1.67	1.63	1.59
1.55				
30.5000	1.52	1.48	1.44	1.41
1.38				
30.7500	1.34	1.31	1.28	1.25
1.22				
31.0000	1.20	1.17	1.14	1.12
1.09				
31.2500	1.07	1.04	1.02	1.00
.97				
31.5000	.95	.93	.91	.89
.87				
31.7500	.85	.83	.82	.80
.78				
32.0000	.77	.75	.73	.72
.70				
32.2500	.69	.68	.66	.65
.64				
32.5000	.62	.61	.60	.59
.57				
32.7500	.56	.55	.54	.53
.52				
33.0000	.51	.50	.49	.48
.47				
33.2500	.46	.45	.45	.44
.43				
33.5000	.42	.41	.41	.40
.39				
33.7500	.38	.38	.37	.36
.36				
34.0000	.35	.34	.34	.33
.33				
34.2500	.32	.31	.31	.30
.30				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.5000	.29	.29	.28	.28 .27
34.7500	.27	.26	.26	.25 .25
35.0000	.24	.24	.24	.23 .23
35.2500	.22	.22	.22	.21 .21
35.5000	.20	.20	.20	.19 .19
35.7500	.19	.18	.18	.18 .17
36.0000	.17	.17	.17	.16 .16
36.2500	.16	.15	.15	.15 .15
36.5000	.14	.14	.14	.14 .13
36.7500	.13	.13	.13	.13 .12
37.0000	.12	.12	.12	.12 .11
37.2500	.11	.11	.11	.11 .10
37.5000	.10	.10	.10	.10 .10
37.7500	.09	.09	.09	.09 .09
38.0000	.09	.08	.08	.08 .08
38.2500	.08	.08	.08	.07 .07
38.5000	.07	.07	.07	.07 .07
38.7500	.07	.07	.06	.06 .06
39.0000	.06	.06	.06	.06 .06
39.2500	.06	.05	.05	.05 .05

39.5000	.05	.05	.05	.05
.05				
39.7500	.05	.05	.05	.04
.04				
40.0000	.04	.04	.04	.04
.04				
40.2500	.04	.04	.04	.04
.04				
40.5000	.04	.04	.04	.03
.03				
40.7500	.03	.03	.03	.03
.03				
41.0000	.03	.03	.03	.03
.03				
41.2500	.03	.03	.03	.03
.03				
41.5000	.03	.03	.02	.02
.02				
41.7500	.02	.02	.02	.02
.02				
42.0000	.02	.02	.02	.02
.02				
42.2500	.02	.02	.02	.02
.02				
42.5000	.02	.02	.02	.02
.02				
42.7500	.02	.02	.02	.02
.02				
43.0000	.02	.02	.01	.01
.01				
43.2500	.01	.01	.01	.01
.01				
43.5000	.01	.01	.01	.01
.01				
43.7500	.01	.01	.01	.01
.01				
44.0000	.01	.01	.01	.01
.01				
44.2500	.01	.01	.01	.01
.01				
44.5000	.01	.01	.01	.01
.01				
44.7500	.01	.01	.01	.01
.01				
45.0000	.01	.01	.01	.01
.01				
45.2500	.01	.01	.01	.01
.01				
45.5000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.7500	.01	.01	.01	.01
46.0000	.01	.01	.01	.01
46.2500	.01	.01	.01	.01
46.5000	.01	.01	.01	.01
46.7500	.01	.01	.01	.01
47.0000	.01	.01	.01	.01
47.2500	.01	.01	.01	.01
47.5000	.01	.01	.01	.01
47.7500	.01	.01	.01	.01
48.0000	.01	.01	.01	.01
48.2500	.01	.01	.01	.01
48.5000	.01	.01	.01	.01
48.7500	.01	.01	.01	.01
49.0000	.01	.01	.01	.01
49.2500	.01	.01	.01	.01
49.5000	.01	.01	.01	.01
49.7500	.01	.01	.01	.01
50.0000	.01	.01	.01	.01
50.2500	.01	.01	.01	.01
50.5000	.01	.01	.01	.01

50.7500	.01	.01	.01	.01
51.0000	.01	.01	.01	.01
51.2500	.01	.01	.01	.01
51.5000	.01	.01	.01	.01
51.7500	.01	.01	.01	.01
52.0000	.01	.01	.01	.01
52.2500	.01	.01	.01	.01
52.5000	.01	.01	.01	.01
52.7500	.01	.01	.01	.01
53.0000	.01	.01	.01	.01
53.2500	.01	.01	.01	.01
53.5000	.01	.01	.01	.01
53.7500	.01	.01	.01	.01
54.0000	.01	.01	.01	.01
54.2500	.01	.01	.01	.01
54.5000	.01	.01	.01	.01
54.7500	.01	.01	.01	.01
55.0000	.01	.01	.01	.01
55.2500	.01	.01	.01	.01
55.5000	.01	.01	.01	.01
55.7500	.01	.01	.01	.01
56.0000	.01	.01	.01	.01
56.2500	.01	.01	.01	.01
56.5000	.01	.01	.01	.01
56.7500	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
57.0000	.01	.01	.01	.01
57.2500	.01	.01	.01	.01
57.5000	.01	.01	.01	.01
57.7500	.01	.01	.01	.01
58.0000	.01	.01	.01	.01
58.2500	.01	.01	.01	.01
58.5000	.01	.01	.01	.01
58.7500	.01	.01	.01	.01
59.0000	.01	.01	.01	.01
59.2500	.01	.01	.01	.01
59.5000	.01	.01	.01	.01
59.7500	.01	.01	.01	.01
60.0000	.01	.01	.01	.01
60.2500	.01	.01	.01	.01
60.5000	.01	.01	.01	.01
60.7500	.01	.01	.01	.01
61.0000	.01	.01	.01	.01
61.2500	.01	.01	.01	.01
61.5000	.01	.01	.01	.01
61.7500	.01	.01	.01	.01

62.0000	.01	.01	.01	.01
62.2500	.01	.01	.01	.01
62.5000	.01	.01	.01	.01
62.7500	.01	.01	.01	.01
63.0000	.01	.01	.01	.01
63.2500	.01	.01	.01	.01
63.5000	.01	.01	.01	.01
63.7500	.01	.01	.01	.00
64.0000	.00	.00	.00	.00
64.2500	.00	.00	.00	.00
64.5000	.00	.00	.00	.00
64.7500	.00	.00	.00	.00
65.0000	.00	.00	.00	.00
65.2500	.00	.00	.00	.00
65.5000	.00	.00	.00	.00
65.7500	.00	.00	.00	.00
66.0000	.00	.00	.00	.00
66.2500	.00	.00	.00	.00
66.5000	.00	.00	.00	.00
66.7500	.00	.00	.00	.00
67.0000	.00	.00	.00	.00
67.2500	.00	.00	.00	.00
67.5000	.00	.00		

MODIFIED PULS REACH ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - J6 100
Outflow HYG file = NONE STORED - REACH 60 100

Reach Link Data = REACH 60
Reach Length = 1585.00 ft
Approx. Total Tt = .1200 hrs (based on Wtd.Q = 807.94 cfs)
Reach Channel = Chn-Trapz - 1 (Chn-Trapz.)
Overflow Elev. = 593.00 ft
Overflow Channel = NONE

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	573.00 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	1701.15 cfs	at	12.8500 hrs
Peak Outflow	=	1687.30 cfs	at	12.9500 hrs

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	16691270
- Infiltration	=	0
- HYG Vol OUT	=	16691220
- Retained Vol	=	77
Unrouted Vol	=	24 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = REACH 60
HYG Tag = 100

Peak Discharge =	1687.30 cfs
Time to Peak =	12.9500 hrs
HYG Volume =	16691220 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6000	.00	.00	.00	.00 .00
3.8500	.00	.00	.00	.00 .00
4.1000	.00	.00	.00	.00 .01
4.3500	.01	.01	.02	.04 .06
4.6000	.09	.11	.14	.17 .20
4.8500	.23	.26	.29	.32 .36
5.1000	.39	.43	.46	.50 .54
5.3500	.58	.63	.67	.71 .76
5.6000	.81	.85	.90	.95 1.01
5.8500	1.06	1.11	1.17	1.23 1.29
6.1000	1.35	1.41	1.47	1.54 1.61
6.3500	1.67	1.75	1.82	1.89 1.97
6.6000	2.05	2.13	2.21	2.29 2.38
6.8500	2.47	2.56	2.66	2.76 2.87

7.1000	2.98	3.10	3.24	3.39	3.55
7.3500	3.72	3.89	4.08	4.26	4.52
7.6000	4.88	5.22	5.55	5.86	6.18
7.8500	6.49	6.79	7.10	7.41	7.73
8.1000	8.05	8.39	8.73	9.09	9.46
8.3500	9.85	10.25	10.67	11.11	11.59
8.6000	12.11	12.68	13.29	13.93	14.75
8.8500	15.63	16.51	17.40	18.29	19.19
9.1000	20.11	21.04	21.99	22.97	23.98
9.3500	25.04	26.17	27.35	28.62	30.07
9.6000	31.50	32.92	34.34	35.76	37.17
9.8500	38.59	40.02	41.47	42.95	44.49
10.1000	46.07	47.85	49.67	51.49	53.32
10.3500	55.17	57.05	58.96	60.93	62.95
10.6000	65.06	67.28	69.68	72.28	74.92
10.8500	77.62	80.40	83.27	86.26	89.40
11.1000	92.75	96.39	100.39	104.54	108.89

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.3500	113.46	118.35	123.63	129.53	135.93
11.6000	142.71	150.11	158.42	168.44	180.47
11.8500	195.40	215.29	241.39	277.02	324.35
12.1000	385.78	462.20	553.15	655.26	765.47
12.3500	880.93	996.41	1107.89	1212.90	1309.93
12.6000	1397.54	1475.43	1542.16	1597.06	1638.99
12.8500	1668.21	1684.12	1687.30	1678.70	1659.44
13.1000	1630.89	1594.22	1550.56	1501.66	1449.41
13.3500	1394.40	1338.90	1283.08	1228.56	1175.42
13.6000	1124.57	1076.00	1029.86	986.26	944.55
13.8500	905.25	867.56	832.23	799.13	767.95
14.1000	739.11	711.81	686.00	661.94	639.05
14.3500	617.31	596.82	577.56	559.12	541.59
14.6000	524.98	509.16	493.71	478.73	464.27
14.8500	450.67	437.47	424.75	412.53	400.88
15.1000	390.22	380.07	370.48	361.46	353.00
15.3500	345.06	337.74	330.77	324.09	317.70
15.6000	311.57	305.65	299.91	294.28	288.73
15.8500	283.21	277.56	271.82	266.02	260.23
16.1000	254.50	248.88	243.40	238.24	233.18

16.3500	228.25	223.48	218.89	214.49
210.28				
16.6000	206.28	202.48	198.87	195.54
192.31				
16.8500	189.17	186.15	183.24	180.44
177.78				
17.1000	175.23	172.80	170.47	168.24
166.11				
17.3500	164.08	162.15	160.29	158.59
156.94				
17.6000	155.33	153.78	152.27	150.82
149.41				
17.8500	148.06	146.74	145.47	144.23
143.02				
18.1000	141.85	140.71	139.60	138.52
137.47				
18.3500	136.45	135.44	134.46	133.49
132.53				
18.6000	131.59	130.66	129.73	128.82
127.93				
18.8500	127.05	126.17	125.32	124.50
123.68				
19.1000	122.84	122.00	121.16	120.33
119.49				
19.3500	118.65	117.82	117.00	116.18
115.36				
19.6000	114.55	113.74	112.93	112.13
111.33				
19.8500	110.53	109.73	108.94	108.14
107.35				
20.1000	106.55	105.76	104.98	104.21
103.44				
20.3500	102.67	101.91	101.15	100.39
99.63				
20.6000	98.87	98.12	97.38	96.66
95.95				
20.8500	95.26	94.61	93.99	93.36
92.75				
21.1000	92.14	91.55	90.98	90.42
89.88				
21.3500	89.36	88.85	88.37	87.90
87.46				
21.6000	87.03	86.62	86.22	85.84
85.48				
21.8500	85.14	84.80	84.49	84.18
83.89				
22.1000	83.61	83.34	83.07	82.82
82.58				
22.3500	82.34	82.11	81.89	81.67
81.46				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.6000	81.25	81.04	80.84	80.64	80.45
22.8500	80.26	80.07	79.89	79.71	79.53
23.1000	79.35	79.17	79.00	78.83	78.66
23.3500	78.49	78.32	78.15	77.98	77.82
23.6000	77.65	77.49	77.33	77.16	77.00
23.8500	76.84	76.68	76.52	76.36	76.20
24.1000	76.03	75.85	75.64	75.38	75.05
24.3500	74.62	74.08	73.41	72.61	71.68
24.6000	70.64	69.50	68.30	67.07	65.72
24.8500	64.26	62.70	61.04	59.30	57.47
25.1000	55.58	53.64	51.69	49.76	47.85
25.3500	45.98	44.26	42.49	40.71	38.92
25.6000	37.15	35.41	33.74	32.14	30.62
25.8500	29.15	27.81	26.63	25.45	24.29
26.1000	23.15	22.04	20.96	19.93	18.95
26.3500	18.03	17.17	16.38	15.64	14.94
26.6000	14.28	13.75	13.27	12.79	12.31
26.8500	11.83	11.37	10.91	10.46	10.02
27.1000	9.60	9.19	8.79	8.41	8.05
27.3500	7.70	7.36	7.04	6.74	6.46

27.6000	6.20	5.95	5.73	5.52
5.33				
27.8500	5.16	5.01	4.86	4.73
4.60				
28.1000	4.49	4.38	4.32	4.26
4.20				
28.3500	4.14	4.08	4.01	3.95
3.88				
28.6000	3.82	3.75	3.68	3.61
3.55				
28.8500	3.48	3.41	3.34	3.28
3.21				
29.1000	3.14	3.08	3.01	2.95
2.88				
29.3500	2.82	2.76	2.70	2.64
2.58				
29.6000	2.52	2.46	2.40	2.35
2.29				
29.8500	2.24	2.19	2.14	2.09
2.04				
30.1000	1.99	1.94	1.90	1.85
1.81				
30.3500	1.77	1.72	1.68	1.64
1.61				
30.6000	1.57	1.53	1.50	1.46
1.43				
30.8500	1.39	1.36	1.33	1.30
1.27				
31.1000	1.24	1.21	1.18	1.16
1.13				
31.3500	1.11	1.08	1.06	1.03
1.01				
31.6000	.99	.97	.95	.93
.91				
31.8500	.89	.87	.85	.83
.81				
32.1000	.80	.78	.76	.75
.73				
32.3500	.72	.70	.69	.68
.66				
32.6000	.65	.64	.62	.61
.60				
32.8500	.59	.58	.56	.55
.54				
33.1000	.53	.52	.51	.50
.49				
33.3500	.48	.47	.47	.46
.45				
33.6000	.44	.43	.42	.42
.41				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.8500	.40	.39	.39	.38
34.1000	.37	.36	.35	.35
34.3500	.33	.33	.32	.32
34.6000	.30	.30	.29	.29
34.8500	.28	.27	.27	.26
35.1000	.26	.25	.25	.24
35.3500	.23	.23	.23	.22
35.6000	.21	.21	.21	.20
35.8500	.20	.19	.19	.19
36.1000	.18	.18	.17	.17
36.3500	.16	.16	.16	.16
36.6000	.15	.15	.15	.14
36.8500	.14	.14	.13	.13
37.1000	.13	.12	.12	.12
37.3500	.12	.11	.11	.11
37.6000	.11	.10	.10	.10
37.8500	.10	.10	.09	.09
38.1000	.09	.09	.09	.09
38.3500	.08	.08	.08	.08
38.6000	.08	.07	.07	.07

38.8500	.07	.07	.07	.07
.06				
39.1000	.06	.06	.06	.06
.06				
39.3500	.06	.06	.06	.06
.05				
39.6000	.05	.05	.05	.05
.05				
39.8500	.05	.05	.05	.05
.05				
40.1000	.05	.04	.04	.04
.04				
40.3500	.04	.04	.04	.04
.04				
40.6000	.04	.04	.04	.04
.04				
40.8500	.03	.03	.03	.03
.03				
41.1000	.03	.03	.03	.03
.03				
41.3500	.03	.03	.03	.03
.03				
41.6000	.03	.03	.03	.03
.03				
41.8500	.02	.02	.02	.02
.02				
42.1000	.02	.02	.02	.02
.02				
42.3500	.02	.02	.02	.02
.02				
42.6000	.02	.02	.02	.02
.02				
42.8500	.02	.02	.02	.02
.02				
43.1000	.02	.02	.02	.02
.02				
43.3500	.01	.01	.01	.01
.01				
43.6000	.01	.01	.01	.01
.01				
43.8500	.01	.01	.01	.01
.01				
44.1000	.01	.01	.01	.01
.01				
44.3500	.01	.01	.01	.01
.01				
44.6000	.01	.01	.01	.01
.01				
44.8500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.1000	.01	.01	.01	.01
45.3500	.01	.01	.01	.01
45.6000	.01	.01	.01	.01
45.8500	.01	.01	.01	.01
46.1000	.01	.01	.01	.01
46.3500	.01	.01	.01	.01
46.6000	.01	.01	.01	.01
46.8500	.01	.01	.01	.01
47.1000	.01	.01	.01	.01
47.3500	.01	.01	.01	.01
47.6000	.01	.01	.01	.01
47.8500	.01	.01	.01	.01
48.1000	.01	.01	.01	.01
48.3500	.01	.01	.01	.01
48.6000	.01	.01	.01	.01
48.8500	.01	.01	.01	.01
49.1000	.01	.01	.01	.01
49.3500	.01	.01	.01	.01
49.6000	.01	.01	.01	.01
49.8500	.01	.01	.01	.01

50.1000	.01	.01	.01	.01
.01				
50.3500	.01	.01	.01	.01
.01				
50.6000	.01	.01	.01	.01
.01				
50.8500	.01	.01	.01	.01
.01				
51.1000	.01	.01	.01	.01
.01				
51.3500	.01	.01	.01	.01
.01				
51.6000	.01	.01	.01	.01
.01				
51.8500	.01	.01	.01	.01
.01				
52.1000	.01	.01	.01	.01
.01				
52.3500	.01	.01	.01	.01
.01				
52.6000	.01	.01	.01	.01
.01				
52.8500	.01	.01	.01	.01
.01				
53.1000	.01	.01	.01	.01
.01				
53.3500	.01	.01	.01	.01
.01				
53.6000	.01	.01	.01	.01
.01				
53.8500	.01	.01	.01	.01
.01				
54.1000	.01	.01	.01	.01
.01				
54.3500	.01	.01	.01	.01
.01				
54.6000	.01	.01	.01	.01
.01				
54.8500	.01	.01	.01	.01
.01				
55.1000	.01	.01	.01	.01
.01				
55.3500	.01	.01	.01	.01
.01				
55.6000	.01	.01	.01	.01
.01				
55.8500	.01	.01	.01	.01
.01				
56.1000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
56.3500	.01	.01	.01	.01
56.6000	.01	.01	.01	.01
56.8500	.01	.01	.01	.01
57.1000	.01	.01	.01	.01
57.3500	.01	.01	.01	.01
57.6000	.01	.01	.01	.01
57.8500	.01	.01	.01	.01
58.1000	.01	.01	.01	.01
58.3500	.01	.01	.01	.01
58.6000	.01	.01	.01	.01
58.8500	.01	.01	.01	.01
59.1000	.01	.01	.01	.01
59.3500	.01	.01	.01	.01
59.6000	.01	.01	.01	.01
59.8500	.01	.01	.01	.01
60.1000	.01	.01	.01	.01
60.3500	.01	.01	.01	.01
60.6000	.01	.01	.01	.01
60.8500	.01	.01	.01	.01
61.1000	.01	.01	.01	.01

61.3500	.01	.01	.01	.01
.01				
61.6000	.01	.01	.01	.01
.01				
61.8500	.01	.01	.01	.01
.01				
62.1000	.01	.01	.01	.01
.01				
62.3500	.01	.01	.01	.01
.01				
62.6000	.01	.01	.01	.01
.01				
62.8500	.01	.01	.01	.01
.01				
63.1000	.01	.01	.01	.01
.01				
63.3500	.01	.01	.01	.01
.01				
63.6000	.01	.01	.01	.01
.01				
63.8500	.01	.01	.01	.01
.01				
64.1000	.01	.00	.00	.00
.00				
64.3500	.00	.00	.00	.00
.00				
64.6000	.00	.00	.00	.00
.00				
64.8500	.00	.00	.00	.00
.00				
65.1000	.00	.00	.00	.00
.00				
65.3500	.00	.00	.00	.00
.00				
65.6000	.00	.00	.00	.00
.00				
65.8500	.00	.00	.00	.00
.00				
66.1000	.00	.00	.00	.00
.00				
66.3500	.00	.00	.00	.00
.00				
66.6000	.00	.00	.00	.00
.00				
66.8500	.00	.00	.00	.00
.00				
67.1000	.00	.00	.00	.00
.00				
67.3500	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

67.6000	.00	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J1

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 90	SUBAREA1	SUBAREA1	SUBAREA1	15

INFLOWS TO: J1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
SUBAREA1	SUBAREA1	15	6942343	12.6000	857.97

TOTAL FLOW INTO: J1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
J1	J1	15	6942343	12.6000	857.97

TOTAL NODE INFLOW...
HYG file =
HYG ID = J1
HYG Tag = 15

Peak Discharge =	857.97 cfs
Time to Peak =	12.6000 hrs
HYG Volume =	6942343 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.0500	.00	.00	.00	.01	.02
8.3000	.02	.04	.07	.09	.13
8.5500	.20	.26	.33	.46	.58
8.8000	.71	.89	1.08	1.28	1.51
9.0500	1.79	2.06	2.35	2.70	3.04
9.3000	3.39	3.80	4.21	4.62	5.06
9.5500	5.52	5.97	6.45	6.95	7.44
9.8000	7.95	8.49	9.04	9.58	10.18
10.0500	10.79	11.40	12.07	12.77	13.47
10.3000	14.22	15.05	15.87	16.72	17.70
10.5500	18.68	19.66	20.81	21.99	23.17
10.8000	24.48	25.90	27.32	28.83	30.55
11.0500	32.27	34.01	36.16	38.30	40.44
11.3000	43.03	45.76	48.48	51.84	55.80

11.5500	59.76	64.96	73.83	82.70	91.56
11.8000	116.56	141.72	166.88	208.97	257.45
12.0500	305.93	363.47	431.57	499.67	566.51
12.3000	628.25	689.98	751.72	785.05	816.35
12.5500	847.65	857.97	857.94	857.91	848.58
12.8000	825.64	802.70	777.70	740.25	702.79
13.0500	665.34	628.00	590.68	553.35	521.05
13.3000	491.90	462.76	436.09	414.02	391.95
13.5500	370.27	352.63	334.99	317.35	302.74
13.8000	288.80	274.86	262.54	251.49	240.45
14.0500	230.02	221.10	212.18	203.31	196.19
14.3000	189.06	181.94	175.88	170.14	164.40
14.5500	159.21	154.57	149.93	145.51	141.77
14.8000	138.03	134.29	131.28	128.29	125.30
15.0500	122.70	120.28	117.85	115.60	113.56
15.3000	111.53	109.54	107.73	105.92	104.11
15.5500	102.41	100.72	99.03	97.43	95.88

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.8000	94.34	92.90	91.62	90.34	89.08
16.0500	87.96	86.84	85.72	84.66	83.60
16.3000	82.54	81.53	80.55	79.57	78.62
16.5500	77.74	76.85	75.97	75.18	74.40
16.8000	73.62	72.92	72.24	71.56	70.93
17.0500	70.33	69.74	69.17	68.65	68.13
17.3000	67.61	67.13	66.66	66.19	65.74
17.5500	65.30	64.86	64.44	64.02	63.61
17.8000	63.20	62.80	62.40	62.00	61.61
18.0500	61.23	60.84	60.46	60.08	59.70
18.3000	59.33	58.96	58.58	58.21	57.84
18.5500	57.47	57.10	56.73	56.37	56.00
18.8000	55.63	55.27	54.90	54.53	54.17
19.0500	53.80	53.44	53.07	52.71	52.34
19.3000	51.98	51.61	51.24	50.88	50.51
19.5500	50.15	49.78	49.41	49.05	48.68
19.8000	48.31	47.94	47.58	47.21	46.84
20.0500	46.48	46.11	45.75	45.38	45.02
20.3000	44.67	44.33	43.98	43.65	43.33
20.5500	43.01	42.72	42.44	42.15	41.89

20.8000	41.65	41.42	41.19	40.99
40.80				
21.0500	40.60	40.44	40.28	40.12
39.97				
21.3000	39.84	39.71	39.58	39.46
39.34				
21.5500	39.23	39.13	39.02	38.92
38.82				
21.8000	38.73	38.64	38.55	38.46
38.37				
22.0500	38.29	38.21	38.12	38.04
37.96				
22.3000	37.88	37.81	37.73	37.65
37.58				
22.5500	37.50	37.43	37.35	37.28
37.20				
22.8000	37.13	37.06	36.98	36.91
36.84				
23.0500	36.77	36.70	36.62	36.55
36.48				
23.3000	36.41	36.33	36.26	36.19
36.12				
23.5500	36.05	35.98	35.91	35.84
35.76				
23.8000	35.69	35.62	35.55	35.48
35.38				
24.0500	35.16	34.94	34.72	34.21
33.68				
24.3000	33.14	32.26	31.20	30.13
28.90				
24.5500	27.42	25.93	24.43	22.83
21.23				
24.8000	19.63	18.12	16.63	15.13
13.78				
25.0500	12.52	11.26	10.12	9.21
8.30				
25.3000	7.40	6.76	6.13	5.49
5.00				
25.5500	4.54	4.08	3.69	3.36
3.02				
25.8000	2.71	2.47	2.23	1.99
1.82				
26.0500	1.64	1.47	1.33	1.20
1.08				
26.3000	.97	.88	.79	.71
.64				
26.5500	.58	.51	.46	.42
.37				
26.8000	.33	.30	.26	.23
.21				

Name.... J1 Event: 15 yr
File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW
Storm... TypeII 24hr Tag: 15

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.0500	.18	.16	.14	.13 .11
27.3000	.09	.08	.07	.06 .05
27.5500	.04	.03	.02	.02 .01
27.8000	.01	.00	.00	.00

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J1

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 90	SUBAREA1		SUBAREA1	25

INFLOWS TO: J1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	SUBAREA1	25	8025762	12.6000	997.04

TOTAL FLOW INTO: J1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J1	25	8025762	12.6000	997.04

TOTAL NODE INFLOW...
HYG file =
HYG ID = J1
HYG Tag = 25

Peak Discharge =	997.04 cfs
Time to Peak =	12.6000 hrs
HYG Volume =	8025762 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.5500	.00	.00	.00	.01	.01
7.8000	.02	.03	.06	.09	.11
8.0500	.17	.23	.29	.39	.50
8.3000	.61	.76	.93	1.10	1.29
8.5500	1.52	1.76	2.00	2.30	2.61
8.8000	2.91	3.27	3.65	4.02	4.43
9.0500	4.88	5.32	5.78	6.29	6.80
9.3000	7.31	7.87	8.43	8.99	9.58
9.5500	10.18	10.78	11.39	12.02	12.64
9.8000	13.28	13.95	14.62	15.30	16.03
10.0500	16.78	17.53	18.34	19.20	20.06
10.3000	20.97	21.98	22.99	24.02	25.22
10.5500	26.42	27.62	29.02	30.46	31.90
10.8000	33.50	35.23	36.96	38.80	40.89

11.0500	42.98	45.09	47.68	50.27	52.86
11.3000	55.99	59.27	62.55	66.59	71.34
11.5500	76.09	82.32	92.89	103.46	114.03
11.8000	143.38	172.92	202.46	251.54	307.99
12.0500	364.45	431.19	509.92	588.66	665.81
12.3000	736.55	807.30	878.04	915.63	950.86
12.5500	986.08	997.04	996.02	995.01	983.30
12.8000	955.92	928.54	898.82	854.94	811.05
13.0500	767.17	723.68	680.25	636.83	599.29
13.3000	565.47	531.64	500.70	475.12	449.53
13.5500	424.39	403.97	383.55	363.12	346.24
13.8000	330.13	314.01	299.77	287.02	274.27
14.0500	262.25	251.97	241.69	231.47	223.27
14.3000	215.07	206.88	199.91	193.31	186.72
14.5500	180.76	175.44	170.11	165.03	160.75
14.8000	156.46	152.17	148.72	145.30	141.87
15.0500	138.90	136.12	133.34	130.77	128.44

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.3000	126.12	123.84	121.77	119.70	117.62
15.5500	115.68	113.75	111.82	110.00	108.24
15.8000	106.47	104.83	103.38	101.93	100.50
16.0500	99.23	97.96	96.69	95.48	94.28
16.3000	93.09	91.94	90.83	89.72	88.64
16.5500	87.64	86.63	85.63	84.75	83.86
16.8000	82.98	82.18	81.41	80.64	79.92
17.0500	79.25	78.58	77.93	77.34	76.75
17.3000	76.16	75.62	75.09	74.55	74.05
17.5500	73.55	73.05	72.57	72.10	71.63
17.8000	71.16	70.71	70.26	69.81	69.37
18.0500	68.93	68.49	68.06	67.63	67.21
18.3000	66.78	66.36	65.93	65.51	65.10
18.5500	64.68	64.26	63.84	63.43	63.01
18.8000	62.60	62.18	61.77	61.35	60.94
19.0500	60.53	60.11	59.70	59.29	58.88
19.3000	58.46	58.05	57.64	57.22	56.81
19.5500	56.40	55.98	55.57	55.16	54.74
19.8000	54.33	53.91	53.50	53.08	52.67
20.0500	52.25	51.84	51.43	51.02	50.62

20.3000	50.22	49.83	49.43	49.07	48.71
20.5500	48.35	48.02	47.70	47.38	47.08
20.8000	46.82	46.55	46.29	46.07	45.85
21.0500	45.63	45.44	45.26	45.08	44.92
21.3000	44.77	44.61	44.47	44.34	44.21
21.5500	44.08	43.96	43.84	43.72	43.62
21.8000	43.51	43.40	43.30	43.21	43.11
22.0500	43.01	42.92	42.82	42.73	42.64
22.3000	42.55	42.46	42.37	42.29	42.20
22.5500	42.11	42.03	41.95	41.86	41.78
22.8000	41.70	41.61	41.53	41.45	41.37
23.0500	41.28	41.20	41.12	41.04	40.96
23.3000	40.88	40.79	40.71	40.63	40.55
23.5500	40.47	40.39	40.31	40.23	40.15
23.8000	40.07	39.99	39.91	39.83	39.71
24.0500	39.47	39.22	38.98	38.40	37.80
24.3000	37.20	36.21	35.01	33.82	32.44
24.5500	30.77	29.10	27.42	25.62	23.83
24.8000	22.03	20.34	18.66	16.98	15.46
25.0500	14.05	12.64	11.36	10.33	9.31
25.3000	8.31	7.59	6.88	6.16	5.61
25.5500	5.10	4.58	4.14	3.77	3.39
25.8000	3.04	2.77	2.50	2.23	2.04
26.0500	1.84	1.65	1.49	1.35	1.21
26.3000	1.09	.99	.89	.79	.72

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
26.5500	.65	.57	.52	.47 .42
26.8000	.37	.33	.30	.26 .23
27.0500	.21	.18	.16	.14 .12
27.3000	.11	.09	.08	.06 .05
27.5500	.04	.03	.03	.02 .01
27.8000	.01	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J1

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 90	SUBAREA1		SUBAREA1	100

INFLOWS TO: J1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	SUBAREA1	100	10941700	12.6000	1368.25

TOTAL FLOW INTO: J1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J1	100	10941710	12.6000	1368.25

TOTAL NODE INFLOW...
HYG file =
HYG ID = J1
HYG Tag = 100

Peak Discharge =	1368.25 cfs
Time to Peak =	12.6000 hrs
HYG Volume =	10941710 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
6.5500	.00	.00	.01	.01 .02
6.8000	.04	.05	.09	.13 .17
7.0500	.24	.33	.41	.53 .68
7.3000	.82	.98	1.19	1.41 1.62
7.5500	1.89	2.16	2.43	2.73 3.06
7.8000	3.38	3.72	4.08	4.44 4.81
8.0500	5.20	5.60	5.99	6.41 6.84
8.3000	7.27	7.73	8.20	8.67 9.16
8.5500	9.70	10.23	10.76	11.37 11.98
8.8000	12.59	13.26	13.95	14.64 15.38
9.0500	16.16	16.94	17.74	18.61 19.47
9.3000	20.33	21.24	22.16	23.07 24.00
9.5500	24.94	25.88	26.83	27.78 28.74
9.8000	29.70	30.70	31.70	32.69 33.78

10.0500	34.88	35.98	37.19	38.46	39.73
10.3000	41.09	42.60	44.10	45.64	47.43
10.5500	49.23	51.03	53.12	55.28	57.43
10.8000	59.83	62.40	64.98	67.72	70.82
11.0500	73.92	77.05	80.87	84.69	88.51
11.3000	93.10	97.90	102.70	108.60	115.52
11.5500	122.44	131.46	146.66	161.85	177.05
11.8000	218.10	259.42	300.74	368.49	446.24
12.0500	523.99	615.21	722.14	829.07	933.53
12.3000	1027.95	1122.36	1216.78	1265.34	1310.64
12.5500	1355.94	1368.25	1364.29	1360.33	1341.97
12.8000	1302.52	1263.07	1220.55	1159.40	1098.25
13.0500	1037.10	977.20	917.48	857.75	806.27
13.3000	759.98	713.69	671.36	636.42	601.48
13.5500	567.15	539.32	511.50	483.67	460.73
13.8000	438.85	416.97	397.65	380.38	363.11
14.0500	346.84	332.96	319.08	305.28	294.25

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
14.3000	283.22	272.18	262.82	253.97	245.11
14.5500	237.12	229.99	222.86	216.05	210.32
14.8000	204.59	198.85	194.25	189.68	185.11
15.0500	181.15	177.44	173.74	170.31	167.21
15.3000	164.12	161.09	158.33	155.58	152.82
15.5500	150.24	147.67	145.11	142.70	140.37
15.8000	138.04	135.88	133.97	132.07	130.19
16.0500	128.53	126.87	125.20	123.63	122.06
16.3000	120.50	119.00	117.55	116.10	114.69
16.5500	113.38	112.07	110.76	109.61	108.45
16.8000	107.29	106.25	105.25	104.24	103.30
17.0500	102.43	101.55	100.70	99.93	99.16
17.3000	98.38	97.68	96.98	96.28	95.62
17.5500	94.97	94.32	93.69	93.07	92.46
17.8000	91.85	91.26	90.67	90.08	89.51
18.0500	88.94	88.37	87.80	87.24	86.68
18.3000	86.13	85.58	85.03	84.48	83.93
18.5500	83.39	82.84	82.30	81.76	81.22
18.8000	80.68	80.14	79.60	79.06	78.52
19.0500	77.99	77.45	76.91	76.38	75.84

19.3000	75.30	74.77	74.23	73.70	73.16
19.5500	72.62	72.09	71.55	71.01	70.47
19.8000	69.94	69.40	68.86	68.33	67.79
20.0500	67.25	66.72	66.19	65.66	65.13
20.3000	64.62	64.11	63.60	63.13	62.66
20.5500	62.19	61.76	61.35	60.94	60.56
20.8000	60.21	59.86	59.53	59.24	58.95
21.0500	58.67	58.43	58.19	57.96	57.75
21.3000	57.55	57.35	57.16	56.99	56.82
21.5500	56.65	56.50	56.34	56.19	56.05
21.8000	55.91	55.77	55.64	55.51	55.38
22.0500	55.26	55.13	55.01	54.89	54.77
22.3000	54.66	54.54	54.42	54.31	54.20
22.5500	54.09	53.97	53.86	53.75	53.65
22.8000	53.54	53.43	53.32	53.21	53.11
23.0500	53.00	52.89	52.78	52.68	52.57
23.3000	52.46	52.36	52.25	52.15	52.04
23.5500	51.93	51.83	51.72	51.62	51.51
23.8000	51.41	51.30	51.20	51.09	50.95
24.0500	50.63	50.31	50.00	49.26	48.49
24.3000	47.72	46.44	44.91	43.38	41.60
24.5500	39.47	37.33	35.17	32.86	30.56
24.8000	28.25	26.08	23.93	21.78	19.83
25.0500	18.02	16.21	14.57	13.25	11.94
25.3000	10.65	9.74	8.82	7.90	7.19

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
25.5500	6.54	5.88	5.31	4.83	4.35
25.8000	3.90	3.55	3.21	2.86	2.61
26.0500	2.36	2.11	1.91	1.73	1.55
26.3000	1.40	1.27	1.14	1.02	.92
26.5500	.83	.74	.67	.60	.53
26.8000	.48	.43	.38	.34	.30
27.0500	.27	.23	.21	.18	.16
27.3000	.14	.12	.10	.08	.07
27.5500	.06	.04	.03	.02	.02
27.8000	.01	.01	.00	.00	

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J2

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 1	POND1	IN	ROUTE 1	15

INFLOWS TO: J2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
ROUTE 1	15	1883215	12.6000	134.18	

TOTAL FLOW INTO: J2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
J2	15	1883215	12.6000	134.18	

TOTAL NODE INFLOW...
HYG file =
HYG ID = J2
HYG Tag = 15

Peak Discharge =	134.18 cfs
Time to Peak =	12.6000 hrs
HYG Volume =	1883215 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.9000	.00	.00	.00	.00 .01
4.1500	.01	.01	.02	.02 .03
4.4000	.03	.04	.05	.06 .07
4.6500	.08	.09	.10	.11 .12
4.9000	.13	.15	.16	.18 .19
5.1500	.21	.23	.25	.27 .29
5.4000	.31	.33	.35	.37 .40
5.6500	.42	.45	.48	.50 .53
5.9000	.56	.59	.62	.65 .69
6.1500	.72	.75	.79	.82 .86
6.4000	.90	.93	.97	1.01 1.05
6.6500	1.09	1.13	1.17	1.22 1.26
6.9000	1.30	1.35	1.39	1.45 1.53
7.1500	1.62	1.70	1.78	1.87 1.95

7.4000	2.04	2.12	2.20	2.29	2.37
7.6500	2.46	2.54	2.62	2.71	2.79
7.9000	2.88	2.96	3.05	3.13	3.22
8.1500	3.31	3.39	3.48	3.57	3.66
8.4000	3.75	3.85	3.95	4.05	4.18
8.6500	4.32	4.46	4.60	4.75	4.90
8.9000	5.05	5.21	5.37	5.53	5.70
9.1500	5.87	6.04	6.21	6.39	6.56
9.4000	6.74	6.92	7.09	7.26	7.44
9.6500	7.64	7.83	8.03	8.22	8.42
9.9000	8.62	8.83	9.04	9.26	9.48
10.1500	9.71	9.95	10.20	10.46	10.74
10.4000	11.02	11.32	11.65	12.01	12.39
10.6500	12.77	13.18	13.60	14.04	14.50
10.9000	14.98	15.48	16.02	16.63	17.26
11.1500	17.93	18.63	19.37	20.16	21.01
11.4000	21.98	23.03	24.15	25.38	26.81

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.6500	28.64	31.03	34.45	39.46	46.88
11.9000	57.63	72.79	85.96	93.48	101.15
12.1500	108.40	114.83	120.21	124.53	127.86
12.4000	130.32	132.06	133.21	133.89	134.18
12.6500	134.18	133.92	133.47	132.84	132.06
12.9000	131.17	130.18	129.11	127.97	126.77
13.1500	125.52	124.22	122.89	121.51	120.11
13.4000	118.68	117.21	115.73	114.23	112.71
13.6500	111.16	109.60	108.03	106.45	104.84
13.9000	103.22	101.58	99.94	98.27	96.59
14.1500	94.91	93.21	91.49	89.77	88.04
14.4000	86.29	84.55	82.81	78.42	73.85
14.6500	69.66	65.83	62.36	59.16	56.28
14.9000	53.61	51.15	48.92	46.84	44.90
15.1500	43.16	41.53	39.99	38.55	37.25
15.4000	36.03	34.88	33.79	32.76	31.81
15.6500	30.93	30.10	29.30	28.55	27.82
15.9000	27.13	26.47	25.87	25.29	24.74
16.1500	24.21	23.70	23.21	22.74	22.29
16.4000	21.85	21.43	21.04	20.67	20.33

16.6500	20.01	19.70	19.40	19.11
18.83				
16.9000	18.56	18.31	18.06	17.83
17.60				
17.1500	17.38	17.17	16.96	16.76
16.57				
17.4000	16.39	16.21	16.04	15.87
15.72				
17.6500	15.58	15.43	15.30	15.16
15.03				
17.9000	14.90	14.77	14.64	14.52
14.40				
18.1500	14.28	14.16	14.05	13.94
13.82				
18.4000	13.71	13.61	13.50	13.39
13.29				
18.6500	13.19	13.09	12.98	12.88
12.79				
18.9000	12.69	12.59	12.50	12.40
12.31				
19.1500	12.21	12.12	12.03	11.93
11.84				
19.4000	11.75	11.66	11.57	11.48
11.39				
19.6500	11.31	11.24	11.16	11.08
11.00				
19.9000	10.92	10.84	10.76	10.68
10.60				
20.1500	10.52	10.44	10.36	10.29
10.21				
20.4000	10.14	10.06	9.99	9.92
9.85				
20.6500	9.79	9.72	9.66	9.60
9.54				
20.9000	9.49	9.43	9.38	9.33
9.28				
21.1500	9.23	9.19	9.14	9.10
9.05				
21.4000	9.01	8.97	8.93	8.90
8.86				
21.6500	8.82	8.79	8.75	8.72
8.69				
21.9000	8.66	8.62	8.59	8.56
8.54				
22.1500	8.51	8.48	8.45	8.42
8.40				
22.4000	8.37	8.35	8.32	8.30
8.27				
22.6500	8.25	8.23	8.20	8.18
8.16				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.9000	8.14	8.11	8.09	8.07
8.05				
23.1500	8.03	8.01	7.99	7.97
7.95				
23.4000	7.93	7.91	7.89	7.87
7.85				
23.6500	7.83	7.81	7.79	7.77
7.76				
23.9000	7.74	7.72	7.70	7.68
7.65				
24.1500	7.60	7.53	7.43	7.31
7.17				
24.4000	7.00	6.82	6.62	6.41
6.20				
24.6500	5.99	5.78	5.58	5.37
5.17				
24.9000	4.98	4.79	4.61	4.43
4.26				
25.1500	4.10	3.96	3.84	3.72
3.61				
25.4000	3.50	3.39	3.28	3.18
3.09				
25.6500	2.99	2.90	2.81	2.72
2.64				
25.9000	2.56	2.48	2.40	2.33
2.26				
26.1500	2.19	2.12	2.06	1.99
1.93				
26.4000	1.87	1.82	1.76	1.71
1.65				
26.6500	1.60	1.55	1.51	1.46
1.42				
26.9000	1.39	1.37	1.35	1.32
1.30				
27.1500	1.28	1.26	1.24	1.21
1.19				
27.4000	1.17	1.15	1.13	1.11
1.10				
27.6500	1.08	1.06	1.04	1.02
1.00				

27.9000	.99	.97	.95	.94
.92				
28.1500	.91	.89	.88	.86
.85				
28.4000	.83	.82	.80	.79
.78				
28.6500	.76	.75	.74	.72
.71				
28.9000	.70	.69	.68	.66
.65				
29.1500	.64	.63	.62	.61
.60				
29.4000	.59	.58	.57	.56
.55				
29.6500	.54	.53	.52	.51
.50				
29.9000	.50	.49	.48	.47
.46				
30.1500	.46	.45	.44	.43
.42				
30.4000	.42	.41	.40	.40
.39				
30.6500	.38	.38	.37	.36
.36				
30.9000	.35	.35	.34	.33
.33				
31.1500	.32	.32	.31	.31
.30				
31.4000	.30	.29	.29	.28
.28				
31.6500	.27	.27	.26	.26
.25				
31.9000	.25	.24	.24	.24
.23				
32.1500	.23	.22	.22	.22
.21				
32.4000	.21	.21	.20	.20
.20				
32.6500	.19	.19	.19	.18
.18				
32.9000	.18	.17	.17	.17
.16				
33.1500	.16	.16	.16	.15
.15				
33.4000	.15	.15	.14	.14
.14				
33.6500	.14	.13	.13	.13
.13				
33.9000	.13	.12	.12	.12
.12				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.1500	.11	.11	.11	.11
34.4000	.11	.10	.10	.10
34.6500	.10	.10	.09	.09
34.9000	.09	.09	.09	.08
35.1500	.08	.08	.08	.08
35.4000	.07	.07	.07	.07
35.6500	.07	.07	.07	.07
35.9000	.06	.06	.06	.06
36.1500	.06	.06	.06	.05
36.4000	.05	.05	.05	.05
36.6500	.05	.05	.05	.05
36.9000	.04	.04	.04	.04
37.1500	.04	.04	.04	.04
37.4000	.04	.04	.04	.04
37.6500	.03	.03	.03	.03
37.9000	.03	.03	.03	.03
38.1500	.03	.03	.03	.03
38.4000	.03	.03	.03	.02
38.6500	.02	.02	.02	.02
38.9000	.02	.02	.02	.02

39.1500	.02	.02	.02	.02
39.4000	.02	.02	.02	.02
39.6500	.02	.02	.02	.02
39.9000	.02	.02	.02	.02
40.1500	.01	.01	.01	.01
40.4000	.01	.01	.01	.01
40.6500	.01	.01	.01	.01
40.9000	.01	.01	.01	.01
41.1500	.01	.01	.01	.01
41.4000	.01	.01	.01	.01
41.6500	.01	.01	.01	.01
41.9000	.01	.01	.01	.01
42.1500	.01	.01	.01	.01
42.4000	.01	.01	.01	.01
42.6500	.01	.01	.01	.01
42.9000	.01	.01	.01	.01
43.1500	.01	.01	.01	.00
43.4000	.00	.00	.00	.00
43.6500	.00	.00	.00	.00
43.9000	.00	.00	.00	.00
44.1500	.00	.00	.00	.00
44.4000	.00	.00	.00	.00
44.6500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J2

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 1	POND1	IN	ROUTE 1	25

INFLOWS TO: J2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
ROUTE 1	25	2110362	12.6500	142.14	

TOTAL FLOW INTO: J2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
J2	25	2110362	12.6500	142.14	

TOTAL NODE INFLOW...
HYG file =
HYG ID = J2
HYG Tag = 25

Peak Discharge =	142.14 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	2110362 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6000	.00	.00	.00	.00 .01
3.8500	.01	.01	.02	.02 .03
4.1000	.04	.04	.05	.06 .07
4.3500	.08	.09	.10	.12 .13
4.6000	.14	.16	.18	.19 .21
4.8500	.23	.25	.27	.29 .31
5.1000	.34	.36	.38	.41 .44
5.3500	.46	.49	.52	.55 .58
5.6000	.62	.65	.68	.72 .75
5.8500	.79	.83	.87	.91 .95
6.1000	.99	1.03	1.07	1.11 1.16
6.3500	1.20	1.25	1.29	1.34 1.39
6.6000	1.45	1.54	1.63	1.71 1.80
6.8500	1.89	1.98	2.07	2.16 2.25

7.1000	2.34	2.43	2.52	2.61	2.70
7.3500	2.79	2.88	2.98	3.07	3.16
7.6000	3.25	3.34	3.43	3.53	3.62
7.8500	3.71	3.81	3.90	3.99	4.10
8.1000	4.22	4.34	4.46	4.58	4.70
8.3500	4.82	4.95	5.08	5.21	5.34
8.6000	5.48	5.62	5.77	5.92	6.08
8.8500	6.24	6.40	6.57	6.75	6.92
9.1000	7.11	7.29	7.50	7.72	7.94
9.3500	8.17	8.39	8.61	8.83	9.04
9.6000	9.25	9.46	9.67	9.87	10.08
9.8500	10.29	10.50	10.72	10.95	11.18
10.1000	11.43	11.71	12.00	12.30	12.62
10.3500	12.95	13.29	13.65	14.02	14.41
10.6000	14.81	15.23	15.67	16.16	16.68
10.8500	17.23	17.81	18.41	19.04	19.70
11.1000	20.39	21.14	21.96	22.83	23.76

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.3500	24.76	25.83	27.01	28.33	29.76
11.6000	31.40	33.49	36.27	40.22	46.05
11.8500	54.66	67.07	83.16	90.46	98.47
12.1000	106.60	114.29	121.10	126.82	131.42
12.3500	134.98	137.64	139.55	140.84	141.64
12.6000	142.04	142.14	141.98	141.61	141.05
12.8500	140.35	139.54	138.62	137.61	136.54
13.1000	135.40	134.21	132.97	131.69	130.38
13.3500	129.03	127.65	126.24	124.81	123.36
13.6000	121.88	120.39	118.88	117.35	115.81
13.8500	114.26	112.69	111.10	109.50	107.89
14.1000	106.28	104.64	102.99	101.32	99.65
14.3500	97.97	96.27	94.57	92.87	91.15
14.6000	89.43	87.72	85.99	84.26	82.54
14.8500	77.74	73.29	69.21	65.48	62.11
15.1000	58.99	56.18	53.57	51.18	49.00
15.3500	46.96	45.06	43.35	41.75	40.24
15.6000	38.82	37.53	36.33	35.19	34.11
15.8500	33.09	32.13	31.26	30.43	29.64
16.1000	28.88	28.15	27.46	26.80	26.18

16.3500	25.62	25.07	24.56	24.06
23.59				
16.6000	23.14	22.71	22.30	21.91
21.54				
16.8500	21.18	20.85	20.54	20.25
19.97				
17.1000	19.71	19.45	19.20	18.96
18.73				
17.3500	18.50	18.29	18.08	17.88
17.68				
17.6000	17.49	17.31	17.13	16.96
16.79				
17.8500	16.62	16.46	16.31	16.16
16.01				
18.1000	15.87	15.74	15.61	15.48
15.36				
18.3500	15.24	15.12	15.00	14.88
14.76				
18.6000	14.65	14.54	14.43	14.31
14.21				
18.8500	14.10	13.99	13.88	13.78
13.67				
19.1000	13.57	13.47	13.36	13.26
13.16				
19.3500	13.06	12.96	12.86	12.76
12.66				
19.6000	12.57	12.47	12.37	12.27
12.18				
19.8500	12.08	11.99	11.89	11.80
11.70				
20.1000	11.61	11.51	11.42	11.34
11.25				
20.3500	11.17	11.10	11.02	10.94
10.87				
20.6000	10.80	10.73	10.66	10.60
10.53				
20.8500	10.47	10.41	10.35	10.30
10.24				
21.1000	10.19	10.14	10.09	10.04
10.00				
21.3500	9.95	9.91	9.86	9.82
9.78				
21.6000	9.74	9.70	9.67	9.63
9.59				
21.8500	9.56	9.53	9.49	9.46
9.43				
22.1000	9.40	9.37	9.33	9.31
9.28				
22.3500	9.25	9.22	9.19	9.17
9.14				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.6000	9.11	9.09	9.06	9.04 9.01
22.8500	8.99	8.96	8.94	8.92 8.89
23.1000	8.87	8.85	8.82	8.80 8.78
23.3500	8.76	8.74	8.71	8.69 8.67
23.6000	8.65	8.63	8.61	8.59 8.57
23.8500	8.55	8.53	8.51	8.49 8.46
24.1000	8.43	8.38	8.30	8.19 8.04
24.3500	7.86	7.65	7.41	7.20 6.97
24.6000	6.75	6.52	6.29	6.06 5.84
24.8500	5.63	5.42	5.21	5.01 4.82
25.1000	4.63	4.46	4.28	4.12 3.97
25.3500	3.85	3.73	3.62	3.51 3.40
25.6000	3.29	3.19	3.09	3.00 2.91
25.8500	2.82	2.73	2.65	2.57 2.49
26.1000	2.41	2.34	2.27	2.20 2.13
26.3500	2.06	2.00	1.94	1.88 1.82
26.6000	1.76	1.71	1.66	1.61 1.56
26.8500	1.51	1.46	1.42	1.40 1.37
27.1000	1.35	1.33	1.30	1.28 1.26
27.3500	1.24	1.22	1.20	1.18 1.16

27.6000	1.14	1.12	1.10	1.08	1.06
27.8500	1.04	1.02	1.01	.99	.97
28.1000	.96	.94	.92	.91	.89
28.3500	.88	.86	.85	.83	.82
28.6000	.80	.79	.78	.76	.75
28.8500	.74	.73	.71	.70	.69
29.1000	.68	.67	.65	.64	.63
29.3500	.62	.61	.60	.59	.58
29.6000	.57	.56	.55	.54	.53
29.8500	.52	.51	.51	.50	.49
30.1000	.48	.47	.46	.46	.45
30.3500	.44	.43	.43	.42	.41
30.6000	.40	.40	.39	.38	.38
30.8500	.37	.36	.36	.35	.35
31.1000	.34	.33	.33	.32	.32
31.3500	.31	.31	.30	.30	.29
31.6000	.29	.28	.28	.27	.27
31.8500	.26	.26	.25	.25	.25
32.1000	.24	.24	.23	.23	.23
32.3500	.22	.22	.21	.21	.21
32.6000	.20	.20	.20	.19	.19
32.8500	.19	.18	.18	.18	.17
33.1000	.17	.17	.17	.16	.16
33.3500	.16	.15	.15	.15	.15
33.6000	.14	.14	.14	.14	.13

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.8500	.13	.13	.13	.13 .12
34.1000	.12	.12	.12	.12 .11
34.3500	.11	.11	.11	.11 .10
34.6000	.10	.10	.10	.10 .10
34.8500	.09	.09	.09	.09 .09
35.1000	.09	.08	.08	.08 .08
35.3500	.08	.08	.08	.07 .07
35.6000	.07	.07	.07	.07 .07
35.8500	.07	.07	.06	.06 .06
36.1000	.06	.06	.06	.06 .06
36.3500	.06	.05	.05	.05 .05
36.6000	.05	.05	.05	.05 .05
36.8500	.05	.05	.05	.04 .04
37.1000	.04	.04	.04	.04 .04
37.3500	.04	.04	.04	.04 .04
37.6000	.04	.04	.04	.03 .03
37.8500	.03	.03	.03	.03 .03
38.1000	.03	.03	.03	.03 .03
38.3500	.03	.03	.03	.03 .03
38.6000	.03	.03	.02	.02 .02

38.8500	.02	.02	.02	.02
.02				
39.1000	.02	.02	.02	.02
.02				
39.3500	.02	.02	.02	.02
.02				
39.6000	.02	.02	.02	.02
.02				
39.8500	.02	.02	.02	.02
.02				
40.1000	.02	.02	.01	.01
.01				
40.3500	.01	.01	.01	.01
.01				
40.6000	.01	.01	.01	.01
.01				
40.8500	.01	.01	.01	.01
.01				
41.1000	.01	.01	.01	.01
.01				
41.3500	.01	.01	.01	.01
.01				
41.6000	.01	.01	.01	.01
.01				
41.8500	.01	.01	.01	.01
.01				
42.1000	.01	.01	.01	.01
.01				
42.3500	.01	.01	.01	.01
.01				
42.6000	.01	.01	.01	.01
.01				
42.8500	.01	.01	.01	.01
.01				
43.1000	.01	.01	.01	.01
.01				
43.3500	.01	.00	.00	.00
.00				
43.6000	.00	.00	.00	.00
.00				
43.8500	.00	.00	.00	.00
.00				
44.1000	.00	.00	.00	.00
.00				
44.3500	.00	.00	.00	.00
.00				
44.6000	.00	.00	.00	.00
.00				
44.8500	.00			

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J2

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 1	POND1	IN	ROUTE 1	100

INFLOWS TO: J2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ROUTE 1	100	2705805	12.7000	160.71

TOTAL FLOW INTO: J2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J2	100	2705805	12.7000	160.71

TOTAL NODE INFLOW...
HYG file =
HYG ID = J2
HYG Tag = 100

Peak Discharge =	160.71 cfs
Time to Peak =	12.7000 hrs
HYG Volume =	2705805 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.0000	.00	.00	.00	.00 .01
3.2500	.01	.01	.02	.03 .03
3.5000	.04	.05	.06	.07 .08
3.7500	.10	.11	.13	.14 .16
4.0000	.18	.20	.22	.24 .26
4.2500	.29	.31	.34	.37 .39
4.5000	.42	.45	.49	.52 .55
4.7500	.59	.63	.66	.70 .74
5.0000	.78	.82	.87	.91 .96
5.2500	1.00	1.05	1.10	1.15 1.20
5.5000	1.25	1.30	1.36	1.41 1.50
5.7500	1.60	1.71	1.81	1.91 2.01
6.0000	2.12	2.22	2.32	2.43 2.53
6.2500	2.64	2.74	2.85	2.95 3.06

6.5000	3.17	3.28	3.38	3.49	3.60
6.7500	3.71	3.82	3.93	4.04	4.18
7.0000	4.32	4.46	4.60	4.74	4.88
7.2500	5.02	5.15	5.29	5.43	5.56
7.5000	5.70	5.83	5.97	6.10	6.23
7.7500	6.37	6.50	6.63	6.77	6.90
8.0000	7.03	7.16	7.29	7.43	7.59
8.2500	7.74	7.90	8.06	8.23	8.40
8.5000	8.57	8.75	8.94	9.13	9.33
8.7500	9.54	9.75	9.97	10.20	10.43
9.0000	10.67	10.92	11.17	11.43	11.73
9.2500	12.02	12.32	12.61	12.90	13.19
9.5000	13.47	13.75	14.02	14.29	14.55
9.7500	14.82	15.08	15.35	15.62	15.90
10.0000	16.22	16.56	16.90	17.26	17.63
10.2500	18.02	18.42	18.85	19.29	19.76
10.5000	20.25	20.76	21.32	21.91	22.54

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.7500	23.19	23.87	24.58	25.33	26.11
11.0000	26.98	27.89	28.86	29.87	30.93
11.2500	32.06	33.32	34.68	36.14	37.72
11.5000	39.45	41.40	43.63	46.44	50.23
11.7500	55.66	63.66	75.40	85.71	92.86
12.0000	101.27	110.38	119.58	128.27	135.95
12.2500	142.40	147.60	151.67	154.75	157.01
12.5000	158.61	159.68	160.34	160.66	160.71
12.7500	160.53	160.16	159.64	158.99	158.23
13.0000	157.39	156.47	155.48	154.44	153.35
13.2500	152.21	151.03	149.82	148.57	147.30
13.5000	146.00	144.68	143.33	141.96	140.57
13.7500	139.16	137.74	136.30	134.84	133.37
14.0000	131.88	130.38	128.86	127.33	125.79
14.2500	124.24	122.67	121.10	119.51	117.92
14.5000	116.32	114.72	113.10	111.49	109.87
14.7500	108.24	106.62	104.98	103.34	101.70
15.0000	100.05	98.39	96.73	95.07	93.40
15.2500	91.72	90.05	88.37	86.68	85.01
15.5000	83.31	80.02	75.49	71.34	67.51

15.7500	64.05	60.87	57.96	55.30	52.83
16.0000	50.57	48.49	46.54	44.72	43.08
16.2500	41.53	40.08	38.72	37.48	36.33
16.5000	35.24	34.22	33.26	32.36	31.54
16.7500	30.78	30.05	29.37	28.72	28.11
17.0000	27.53	26.98	26.46	25.99	25.54
17.2500	25.12	24.72	24.33	23.96	23.61
17.5000	23.27	22.94	22.63	22.33	22.04
17.7500	21.76	21.49	21.24	20.99	20.76
18.0000	20.54	20.33	20.12	19.92	19.73
18.2500	19.54	19.35	19.17	19.00	18.82
18.5000	18.65	18.49	18.32	18.16	18.00
18.7500	17.85	17.70	17.55	17.40	17.25
19.0000	17.11	16.97	16.83	16.69	16.55
19.2500	16.41	16.28	16.15	16.01	15.89
19.5000	15.77	15.65	15.53	15.42	15.30
19.7500	15.18	15.07	14.95	14.83	14.72
20.0000	14.60	14.49	14.37	14.26	14.14
20.2500	14.03	13.92	13.81	13.71	13.60
20.5000	13.50	13.40	13.31	13.22	13.13
20.7500	13.04	12.96	12.88	12.80	12.73
21.0000	12.66	12.59	12.52	12.46	12.40
21.2500	12.34	12.28	12.22	12.17	12.11
21.5000	12.06	12.01	11.96	11.92	11.87
21.7500	11.83	11.78	11.74	11.70	11.66

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.0000	11.62	11.58	11.54	11.51	11.47
22.2500	11.44	11.40	11.37	11.34	11.31
22.5000	11.28	11.25	11.22	11.20	11.17
22.7500	11.14	11.11	11.09	11.06	11.03
23.0000	11.01	10.98	10.95	10.93	10.90
23.2500	10.88	10.85	10.83	10.80	10.78
23.5000	10.75	10.73	10.70	10.68	10.65
23.7500	10.63	10.60	10.58	10.56	10.53
24.0000	10.51	10.48	10.44	10.38	10.28
24.2500	10.14	9.96	9.73	9.47	9.18
24.5000	8.87	8.55	8.23	7.90	7.58
24.7500	7.28	7.02	6.76	6.50	6.26
25.0000	6.02	5.79	5.57	5.35	5.14
25.2500	4.94	4.75	4.57	4.39	4.22
25.5000	4.05	3.92	3.80	3.68	3.57
25.7500	3.46	3.35	3.25	3.15	3.05
26.0000	2.96	2.87	2.78	2.70	2.61
26.2500	2.53	2.45	2.38	2.31	2.24
26.5000	2.17	2.10	2.04	1.97	1.91
26.7500	1.85	1.80	1.74	1.69	1.64

27.0000	1.59	1.54	1.49	1.44	1.41
27.2500	1.39	1.36	1.34	1.32	1.29
27.5000	1.27	1.25	1.23	1.21	1.19
27.7500	1.17	1.15	1.13	1.11	1.09
28.0000	1.07	1.05	1.03	1.02	1.00
28.2500	.98	.97	.95	.93	.92
28.5000	.90	.89	.87	.86	.84
28.7500	.83	.81	.80	.79	.77
29.0000	.76	.75	.73	.72	.71
29.2500	.70	.68	.67	.66	.65
29.5000	.64	.63	.62	.61	.60
29.7500	.59	.58	.57	.56	.55
30.0000	.54	.53	.52	.51	.50
30.2500	.49	.48	.48	.47	.46
30.5000	.45	.44	.44	.43	.42
30.7500	.42	.41	.40	.39	.39
31.0000	.38	.37	.37	.36	.36
31.2500	.35	.34	.34	.33	.33
31.5000	.32	.32	.31	.30	.30
31.7500	.29	.29	.28	.28	.27
32.0000	.27	.27	.26	.26	.25
32.2500	.25	.24	.24	.24	.23
32.5000	.23	.22	.22	.22	.21
32.7500	.21	.21	.20	.20	.19
33.0000	.19	.19	.18	.18	.18

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.2500	.18	.17	.17	.17 .16
33.5000	.16	.16	.16	.15 .15
33.7500	.15	.15	.14	.14 .14
34.0000	.14	.13	.13	.13 .13
34.2500	.12	.12	.12	.12 .12
34.5000	.11	.11	.11	.11 .11
34.7500	.10	.10	.10	.10 .10
35.0000	.10	.09	.09	.09 .09
35.2500	.09	.09	.09	.08 .08
35.5000	.08	.08	.08	.08 .08
35.7500	.07	.07	.07	.07 .07
36.0000	.07	.07	.07	.06 .06
36.2500	.06	.06	.06	.06 .06
36.5000	.06	.06	.06	.05 .05
36.7500	.05	.05	.05	.05 .05
37.0000	.05	.05	.05	.05 .05
37.2500	.04	.04	.04	.04 .04
37.5000	.04	.04	.04	.04 .04
37.7500	.04	.04	.04	.04 .03
38.0000	.03	.03	.03	.03 .03

38.2500	.03	.03	.03	.03
.03				
38.5000	.03	.03	.03	.03
.03				
38.7500	.03	.03	.03	.03
.02				
39.0000	.02	.02	.02	.02
.02				
39.2500	.02	.02	.02	.02
.02				
39.5000	.02	.02	.02	.02
.02				
39.7500	.02	.02	.02	.02
.02				
40.0000	.02	.02	.02	.02
.02				
40.2500	.02	.02	.02	.01
.01				
40.5000	.01	.01	.01	.01
.01				
40.7500	.01	.01	.01	.01
.01				
41.0000	.01	.01	.01	.01
.01				
41.2500	.01	.01	.01	.01
.01				
41.5000	.01	.01	.01	.01
.01				
41.7500	.01	.01	.01	.01
.01				
42.0000	.01	.01	.01	.01
.01				
42.2500	.01	.01	.01	.01
.01				
42.5000	.01	.01	.01	.01
.01				
42.7500	.01	.01	.01	.01
.01				
43.0000	.01	.01	.01	.01
.01				
43.2500	.01	.01	.01	.01
.01				
43.5000	.01	.01	.00	.00
.00				
43.7500	.00	.00	.00	.00
.00				
44.0000	.00	.00	.00	.00
.00				
44.2500	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
44.5000	.00	.00	.00	.00	.00
44.7500	.00	.00	.00	.00	.00
45.0000	.00	.00	.00		

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J3

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
REACH 50	J1		REACH 50	15
REACH 10	J2		REACH 10	15

INFLOWS TO: J3

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	REACH 50	15	6942323	12.7000	857.91
	REACH 10	15	1883217	12.6500	134.18

TOTAL FLOW INTO: J3

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J3	15	8825547	12.7000	991.97

TOTAL NODE INFLOW...
HYG file =
HYG ID = J3
HYG Tag = 15

Peak Discharge =	991.97 cfs
Time to Peak =	12.7000 hrs
HYG Volume =	8825547 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.9500	.00	.00	.00	.00 .01
4.2000	.01	.01	.02	.02 .03
4.4500	.03	.04	.05	.05 .06
4.7000	.07	.08	.09	.11 .12
4.9500	.13	.14	.16	.17 .19
5.2000	.21	.22	.24	.26 .28
5.4500	.30	.32	.35	.38 .41
5.7000	.43	.46	.49	.51 .54
5.9500	.57	.60	.63	.66 .70
6.2000	.73	.76	.80	.83 .87
6.4500	.91	.95	.98	1.02 1.06
6.7000	1.10	1.14	1.19	1.23 1.27
6.9500	1.32	1.36	1.41	1.48 1.58
7.2000	1.66	1.74	1.83	1.91 2.00

7.4500	2.08	2.16	2.25	2.33	2.42
7.7000	2.50	2.58	2.67	2.75	2.84
7.9500	2.92	3.01	3.09	3.18	3.26
8.2000	3.35	3.44	3.53	3.63	3.72
8.4500	3.81	3.91	4.03	4.20	4.39
8.7000	4.59	4.80	5.04	5.29	5.56
8.9500	5.85	6.17	6.51	6.87	7.26
9.2000	7.67	8.11	8.57	9.05	9.56
9.4500	10.08	10.62	11.15	11.73	12.65
9.7000	13.49	14.26	15.01	15.74	16.48
9.9500	17.23	17.99	18.78	19.59	20.42
10.2000	21.30	22.21	23.16	24.15	25.25
10.4500	26.50	27.76	29.06	30.40	31.80
10.7000	33.29	34.83	36.45	38.18	40.00
10.9500	41.90	43.93	46.34	48.74	51.27
11.2000	53.97	56.78	59.80	63.10	66.63
11.4500	70.65	75.27	80.24	85.86	93.48

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.7000	103.70	115.43	133.96	162.72	197.00
11.9500	242.22	299.83	359.08	420.38	490.66
12.2000	566.43	641.51	712.44	779.40	844.91
12.4500	896.02	931.40	963.77	985.63	991.85
12.7000	991.97	987.14	971.14	947.90	923.17
12.9500	891.46	853.82	815.32	777.26	738.82
13.2000	700.71	664.53	632.43	601.89	572.63
13.4500	546.70	522.84	499.76	478.41	458.91
13.7000	439.99	422.18	405.99	390.50	375.81
13.9500	362.23	349.38	337.04	325.64	314.87
14.2000	304.24	294.33	285.40	276.62	268.18
14.4500	260.34	252.78	244.16	234.68	225.69
14.7000	217.13	209.27	202.07	195.25	189.00
14.9500	183.31	177.93	172.95	168.43	164.14
15.2000	160.08	156.28	152.71	149.31	146.11
15.4500	143.07	140.13	137.29	134.58	131.97
15.7000	129.45	127.04	124.70	122.49	120.42
15.9500	118.44	116.52	114.72	113.00	111.33
16.2000	109.70	108.13	106.58	105.08	103.62
16.4500	102.20	100.82	99.51	98.25	97.03

16.7000	95.86	94.74	93.66	92.62
91.64				
16.9500	90.68	89.76	88.89	88.06
87.24				
17.2000	86.46	85.73	85.03	84.34
83.67				
17.4500	83.01	82.37	81.75	81.15
80.57				
17.7000	80.00	79.44	78.88	78.34
77.81				
17.9500	77.28	76.75	76.24	75.73
75.23				
18.2000	74.73	74.23	73.74	73.25
72.77				
18.4500	72.28	71.80	71.33	70.85
70.38				
18.7000	69.91	69.44	68.97	68.51
68.04				
18.9500	67.58	67.12	66.65	66.19
65.73				
19.2000	65.28	64.82	64.36	63.90
63.45				
19.4500	62.99	62.54	62.08	61.62
61.17				
19.7000	60.73	60.28	59.84	59.39
58.94				
19.9500	58.50	58.05	57.60	57.16
56.74				
20.2000	56.31	55.88	55.44	55.01
54.59				
20.4500	54.17	53.77	53.37	52.99
52.62				
20.7000	52.27	51.93	51.60	51.30
51.00				
20.9500	50.72	50.46	50.21	49.97
49.75				
21.2000	49.53	49.33	49.14	48.95
48.78				
21.4500	48.61	48.45	48.29	48.14
48.00				
21.7000	47.86	47.72	47.59	47.46
47.33				
21.9500	47.21	47.09	46.98	46.86
46.75				
22.2000	46.64	46.53	46.42	46.32
46.21				
22.4500	46.11	46.01	45.91	45.81
45.71				
22.7000	45.61	45.51	45.41	45.32
45.22				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.9500	45.13	45.03	44.94	44.85	44.75
23.2000	44.66	44.57	44.47	44.38	44.29
23.4500	44.20	44.11	44.02	43.93	43.84
23.7000	43.75	43.66	43.57	43.48	43.39
23.9500	43.30	43.20	43.06	42.85	42.61
24.2000	42.26	41.75	41.15	40.41	39.43
24.4500	38.27	37.01	35.58	34.06	32.55
24.7000	30.92	29.20	27.43	25.68	23.95
24.9500	22.25	20.60	19.03	17.71	16.46
25.2000	15.25	14.12	13.04	12.05	11.15
25.4500	10.33	9.56	8.87	8.24	7.65
25.7000	7.21	6.87	6.53	6.18	5.83
25.9500	5.50	5.18	4.88	4.59	4.31
26.2000	4.06	3.82	3.60	3.39	3.19
26.4500	3.01	2.84	2.69	2.54	2.41
26.7000	2.28	2.16	2.05	1.96	1.87
26.9500	1.80	1.73	1.67	1.61	1.56
27.2000	1.50	1.46	1.41	1.37	1.33
27.4500	1.29	1.25	1.22	1.19	1.16
27.7000	1.13	1.10	1.07	1.05	1.02

27.9500	1.00	.98	.96	.94	.93
28.2000	.91	.89	.88	.86	.85
28.4500	.83	.82	.81	.79	.78
28.7000	.77	.75	.74	.73	.71
28.9500	.70	.69	.68	.67	.66
29.2000	.64	.63	.62	.61	.60
29.4500	.59	.58	.57	.56	.55
29.7000	.54	.53	.52	.51	.51
29.9500	.50	.49	.48	.47	.46
30.2000	.46	.45	.44	.43	.43
30.4500	.42	.41	.40	.40	.39
30.7000	.38	.37	.37	.36	.36
30.9500	.35	.34	.34	.33	.33
31.2000	.32	.32	.31	.31	.30
31.4500	.30	.29	.29	.28	.28
31.7000	.27	.27	.26	.26	.25
31.9500	.25	.25	.24	.24	.23
32.2000	.23	.23	.22	.22	.21
32.4500	.21	.21	.20	.20	.20
32.7000	.19	.19	.19	.18	.18
32.9500	.18	.17	.17	.17	.17
33.2000	.16	.16	.16	.15	.15
33.4500	.15	.15	.14	.14	.14
33.7000	.14	.13	.13	.13	.13
33.9500	.13	.12	.12	.12	.12

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.2000	.12	.11	.11	.11
34.4500	.11	.10	.10	.10
34.7000	.10	.10	.09	.09
34.9500	.09	.09	.09	.08
35.2000	.08	.08	.08	.08
35.4500	.08	.07	.07	.07
35.7000	.07	.07	.07	.07
35.9500	.06	.06	.06	.06
36.2000	.06	.06	.06	.06
36.4500	.05	.05	.05	.05
36.7000	.05	.05	.05	.05
36.9500	.04	.04	.04	.04
37.2000	.04	.04	.04	.04
37.4500	.04	.04	.04	.04
37.7000	.03	.03	.03	.03
37.9500	.03	.03	.03	.03
38.2000	.03	.03	.03	.03
38.4500	.03	.03	.03	.02
38.7000	.02	.02	.02	.02
38.9500	.02	.02	.02	.02

39.2000	.02	.02	.02	.02
39.4500	.02	.02	.02	.02
39.7000	.02	.02	.02	.02
39.9500	.02	.02	.02	.02
40.2000	.01	.01	.01	.01
40.4500	.01	.01	.01	.01
40.7000	.01	.01	.01	.01
40.9500	.01	.01	.01	.01
41.2000	.01	.01	.01	.01
41.4500	.01	.01	.01	.01
41.7000	.01	.01	.01	.01
41.9500	.01	.01	.01	.01
42.2000	.01	.01	.01	.01
42.4500	.01	.01	.01	.01
42.7000	.01	.01	.01	.01
42.9500	.01	.01	.01	.01
43.2000	.01	.01	.01	.00
43.4500	.00	.00	.00	.00
43.7000	.00	.00	.00	.00
43.9500	.00	.00	.00	.00
44.2000	.00	.00	.00	.00
44.4500	.00	.00	.00	.00
44.7000	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J3

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
REACH 50	J1		REACH 50	25
REACH 10	J2		REACH 10	25

INFLOWS TO: J3

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	REACH 50	25	8025735	12.6500	996.38
	REACH 10	25	2110363	12.6500	142.09

TOTAL FLOW INTO: J3

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J3	25	10136110	12.6500	1138.47

TOTAL NODE INFLOW...
HYG file =
HYG ID = J3
HYG Tag = 25

Peak Discharge =	1138.47 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	10136110 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6500	.00	.00	.00	.00 .01
3.9000	.01	.01	.02	.02 .03
4.1500	.03	.04	.05	.06 .07
4.4000	.08	.09	.10	.11 .13
4.6500	.14	.16	.17	.19 .21
4.9000	.22	.24	.26	.28 .31
5.1500	.33	.36	.39	.42 .45
5.4000	.47	.50	.53	.56 .60
5.6500	.63	.66	.70	.73 .77
5.9000	.80	.84	.88	.92 .96
6.1500	1.00	1.04	1.08	1.13 1.17
6.4000	1.22	1.26	1.31	1.36 1.41
6.6500	1.48	1.58	1.67	1.76 1.85
6.9000	1.94	2.03	2.12	2.21 2.30

7.1500	2.39	2.48	2.57	2.66
2.75				
7.4000	2.84	2.93	3.02	3.11
3.21				
7.6500	3.30	3.39	3.48	3.58
3.68				
7.9000	3.77	3.87	3.96	4.07
4.23				
8.1500	4.39	4.57	4.75	4.95
5.16				
8.4000	5.39	5.63	5.90	6.18
6.49				
8.6500	6.81	7.16	7.54	7.94
8.36				
8.9000	8.81	9.29	9.80	10.32
10.87				
9.1500	11.42	12.22	13.13	13.97
14.78				
9.4000	15.57	16.36	17.15	17.95
18.75				
9.6500	19.55	20.36	21.18	22.01
22.85				
9.9000	23.72	24.59	25.63	26.66
27.68				
10.1500	28.73	29.82	30.95	32.12
33.35				
10.4000	34.65	35.99	37.41	38.91
40.47				
10.6500	42.12	43.90	45.92	47.96
50.11				
10.9000	52.34	54.67	57.15	59.79
62.53				
11.1500	65.47	68.75	72.31	76.02
80.03				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.4000	84.26	88.87	94.17	100.19	107.09
11.6500	116.33	128.27	142.32	164.48	198.48
11.9000	238.63	290.87	353.57	418.28	488.81
12.1500	569.61	656.76	742.83	823.73	899.92
12.4000	974.91	1032.86	1071.86	1108.46	1132.73
12.6500	1138.47	1137.60	1131.12	1111.49	1083.78
12.9000	1054.81	1017.49	973.21	928.65	884.12
13.1500	839.89	795.59	754.01	716.95	681.91
13.4000	648.23	618.50	591.19	564.77	540.28
13.6500	518.12	496.51	476.12	457.79	440.35
13.9000	423.49	408.11	393.78	379.86	366.87
14.1500	354.76	342.92	332.04	321.95	312.03
14.4000	302.61	293.96	285.78	277.74	270.22
14.6500	263.06	256.08	249.53	243.40	235.97
14.9000	227.40	219.56	212.19	205.37	199.15
15.1500	193.35	187.92	182.90	178.23	173.80
15.4000	169.71	165.82	162.09	158.51	155.08
15.6500	151.79	148.64	145.65	142.77	139.99
15.9000	137.40	134.99	132.68	130.48	128.41
16.1500	126.39	124.43	122.53	120.73	118.99

16.4000	117.30	115.65	114.05	112.50	111.02
16.6500	109.57	108.18	106.87	105.59	104.37
16.9000	103.22	102.12	101.06	100.06	99.10
17.1500	98.17	97.28	96.43	95.60	94.80
17.4000	94.03	93.27	92.54	91.83	91.14
17.6500	90.46	89.79	89.14	88.50	87.87
17.9000	87.26	86.65	86.04	85.45	84.87
18.1500	84.31	83.77	83.22	82.67	82.12
18.4000	81.58	81.04	80.50	79.96	79.43
18.6500	78.90	78.37	77.84	77.32	76.79
18.9000	76.27	75.75	75.23	74.71	74.19
19.1500	73.68	73.16	72.65	72.13	71.62
19.4000	71.10	70.59	70.08	69.57	69.06
19.6500	68.55	68.03	67.52	67.01	66.50
19.9000	65.99	65.48	64.97	64.46	63.95
20.1500	63.45	62.94	62.45	61.96	61.48
20.4000	61.01	60.54	60.10	59.66	59.23
20.6500	58.82	58.43	58.05	57.69	57.35
20.9000	57.02	56.72	56.45	56.18	55.91
21.1500	55.67	55.43	55.20	54.99	54.78
21.4000	54.59	54.40	54.22	54.04	53.88
21.6500	53.72	53.56	53.41	53.26	53.12
21.9000	52.98	52.84	52.71	52.58	52.45
22.1500	52.32	52.20	52.08	51.96	51.84
22.4000	51.72	51.60	51.49	51.38	51.26

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.6500	51.15	51.04	50.93	50.82	50.72
22.9000	50.61	50.50	50.40	50.29	50.19
23.1500	50.08	49.98	49.87	49.77	49.67
23.4000	49.56	49.46	49.36	49.25	49.15
23.6500	49.05	48.95	48.85	48.75	48.65
23.9000	48.55	48.44	48.33	48.17	47.94
24.1500	47.68	47.28	46.71	46.03	45.17
24.4000	44.06	42.76	41.34	39.74	37.93
24.6500	36.08	34.22	32.44	30.53	28.60
24.9000	26.69	24.79	22.95	21.20	19.53
25.1500	18.07	16.81	15.58	14.38	13.28
25.4000	12.30	11.38	10.53	9.77	9.07
25.6500	8.42	7.83	7.35	7.01	6.66
25.9000	6.31	5.96	5.62	5.30	4.99
26.1500	4.69	4.42	4.16	3.91	3.69
26.4000	3.47	3.27	3.09	2.92	2.76
26.6500	2.61	2.47	2.34	2.22	2.11
26.9000	2.00	1.91	1.83	1.76	1.69
27.1500	1.64	1.58	1.53	1.48	1.43
27.4000	1.39	1.35	1.31	1.27	1.24

27.6500	1.21	1.17	1.14	1.12
1.09				
27.9000	1.06	1.04	1.02	1.00
.98				
28.1500	.96	.94	.93	.91
.90				
28.4000	.88	.87	.85	.84
.82				
28.6500	.81	.79	.78	.77
.75				
28.9000	.74	.73	.72	.70
.69				
29.1500	.68	.67	.66	.65
.63				
29.4000	.62	.61	.60	.59
.58				
29.6500	.57	.56	.55	.54
.53				
29.9000	.52	.52	.51	.50
.49				
30.1500	.48	.47	.46	.46
.45				
30.4000	.44	.43	.43	.42
.41				
30.6500	.41	.40	.39	.38
.38				
30.9000	.37	.36	.36	.35
.34				
31.1500	.34	.33	.33	.32
.32				
31.4000	.31	.31	.30	.30
.29				
31.6500	.29	.28	.28	.27
.27				
31.9000	.26	.26	.26	.25
.25				
32.1500	.24	.24	.23	.23
.23				
32.4000	.22	.22	.21	.21
.21				
32.6500	.20	.20	.20	.19
.19				
32.9000	.19	.18	.18	.18
.17				
33.1500	.17	.17	.17	.16
.16				
33.4000	.16	.15	.15	.15
.15				
33.6500	.14	.14	.14	.14
.14				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.9000	.13	.13	.13	.13 .12
34.1500	.12	.12	.12	.12 .11
34.4000	.11	.11	.11	.11 .10
34.6500	.10	.10	.10	.10 .10
34.9000	.09	.09	.09	.09 .09
35.1500	.09	.08	.08	.08 .08
35.4000	.08	.08	.08	.08 .07
35.6500	.07	.07	.07	.07 .07
35.9000	.07	.07	.06	.06 .06
36.1500	.06	.06	.06	.06 .06
36.4000	.06	.06	.05	.05 .05
36.6500	.05	.05	.05	.05 .05
36.9000	.05	.05	.05	.04 .04
37.1500	.04	.04	.04	.04 .04
37.4000	.04	.04	.04	.04 .04
37.6500	.04	.04	.04	.03 .03
37.9000	.03	.03	.03	.03 .03
38.1500	.03	.03	.03	.03 .03
38.4000	.03	.03	.03	.03 .03
38.6500	.03	.03	.02	.02 .02

38.9000	.02	.02	.02	.02
.02				
39.1500	.02	.02	.02	.02
.02				
39.4000	.02	.02	.02	.02
.02				
39.6500	.02	.02	.02	.02
.02				
39.9000	.02	.02	.02	.02
.02				
40.1500	.02	.02	.01	.01
.01				
40.4000	.01	.01	.01	.01
.01				
40.6500	.01	.01	.01	.01
.01				
40.9000	.01	.01	.01	.01
.01				
41.1500	.01	.01	.01	.01
.01				
41.4000	.01	.01	.01	.01
.01				
41.6500	.01	.01	.01	.01
.01				
41.9000	.01	.01	.01	.01
.01				
42.1500	.01	.01	.01	.01
.01				
42.4000	.01	.01	.01	.01
.01				
42.6500	.01	.01	.01	.01
.01				
42.9000	.01	.01	.01	.01
.01				
43.1500	.01	.01	.01	.01
.01				
43.4000	.01	.00	.00	.00
.00				
43.6500	.00	.00	.00	.00
.00				
43.9000	.00	.00	.00	.00
.00				
44.1500	.00	.00	.00	.00
.00				
44.4000	.00	.00	.00	.00
.00				
44.6500	.00	.00	.00	.00
.00				
44.9000	.00			

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J3

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
REACH 50	J1		REACH 50	100
REACH 10	J2		REACH 10	100

INFLOWS TO: J3

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	REACH 50	100	10941680	12.6500	1366.30
	REACH 10	100	2705802	12.7000	160.68

TOTAL FLOW INTO: J3

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J3	100	13647480	12.6500	1526.80

TOTAL NODE INFLOW...
HYG file =
HYG ID = J3
HYG Tag = 100

Peak Discharge =	1526.80 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	13647480 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.0500	.00	.00	.00	.00 .01
3.3000	.01	.01	.02	.02 .03
3.5500	.04	.05	.06	.07 .08
3.8000	.09	.11	.12	.14 .16
4.0500	.18	.19	.21	.24 .26
4.3000	.28	.31	.33	.37 .40
4.5500	.43	.47	.50	.53 .57
4.8000	.60	.64	.68	.72 .76
5.0500	.80	.84	.88	.93 .97
5.3000	1.02	1.07	1.12	1.17 1.22
5.5500	1.27	1.32	1.38	1.45 1.55
5.8000	1.66	1.76	1.86	1.96 2.07
6.0500	2.17	2.27	2.38	2.48 2.59
6.3000	2.69	2.80	2.90	3.01 3.12

6.5500	3.22	3.33	3.44	3.55	3.67
6.8000	3.78	3.89	4.00	4.13	4.28
7.0500	4.46	4.65	4.85	5.06	5.28
7.3000	5.52	5.76	6.03	6.31	6.61
7.5500	6.92	7.25	7.60	7.97	8.35
7.8000	8.75	9.17	9.61	10.05	10.50
8.0500	10.96	11.43	12.07	12.82	13.50
8.3000	14.15	14.78	15.41	16.05	16.70
8.5500	17.36	18.06	18.76	19.50	20.27
8.8000	21.06	21.88	22.74	23.63	24.55
9.0500	25.65	26.75	27.83	28.93	30.07
9.3000	31.22	32.38	33.57	34.76	35.96
9.5500	37.16	38.37	39.58	40.79	42.00
9.8000	43.22	44.58	45.89	47.19	48.52
10.0500	49.92	51.34	52.82	54.37	55.99
10.3000	57.66	59.45	61.33	63.27	65.33
10.5500	67.60	70.02	72.52	75.18	77.93

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.8000	80.81	83.89	87.12	90.49	94.11
11.0500	98.12	102.25	106.62	111.33	116.19
11.3000	121.45	127.24	133.51	140.33	148.06
11.5500	156.57	166.24	179.92	197.42	217.10
11.8000	249.24	297.45	350.25	412.35	491.32
12.0500	579.05	674.10	782.82	899.49	1014.66
12.3000	1121.86	1222.37	1321.44	1396.68	1445.85
12.5500	1492.78	1522.32	1526.80	1522.96	1511.68
12.8000	1482.37	1442.39	1401.11	1348.77	1287.17
13.0500	1225.55	1164.58	1103.99	1043.98	987.40
13.3000	937.51	890.27	844.92	805.05	768.74
13.5500	733.04	700.61	671.15	642.37	615.36
13.8000	591.38	568.21	546.02	526.14	507.41
14.0500	489.07	472.24	456.93	441.57	427.37
14.3000	414.50	402.12	390.23	379.31	368.77
14.5500	358.65	349.50	340.68	332.04	323.99
14.8000	316.48	309.09	302.19	295.93	289.71
15.0500	283.71	278.10	272.67	267.39	262.37
15.3000	257.54	252.78	248.16	243.77	239.35
15.5500	234.17	227.66	220.74	214.24	208.19

15.8000	202.52	197.20	192.32	187.80
183.52				
16.0500	179.54	175.83	172.27	168.93
165.80				
16.3000	162.75	159.80	157.01	154.35
151.79				
16.5500	149.36	147.03	144.78	142.67
140.69				
16.8000	138.78	136.96	135.24	133.59
132.01				
17.0500	130.52	129.09	127.72	126.43
125.21				
17.3000	124.02	122.87	121.78	120.71
119.68				
17.5500	118.68	117.71	116.79	115.88
114.98				
17.8000	114.09	113.22	112.38	111.55
110.74				
18.0500	109.95	109.17	108.40	107.63
106.88				
18.3000	106.13	105.40	104.66	103.94
103.22				
18.5500	102.50	101.79	101.09	100.39
99.69				
18.8000	98.99	98.30	97.61	96.93
96.24				
19.0500	95.56	94.88	94.21	93.53
92.86				
19.3000	92.19	91.52	90.85	90.19
89.53				
19.5500	88.87	88.22	87.56	86.91
86.25				
19.8000	85.60	84.95	84.29	83.64
83.01				
20.0500	82.38	81.74	81.09	80.45
79.80				
20.3000	79.17	78.55	77.93	77.32
76.74				
20.5500	76.17	75.61	75.08	74.57
74.08				
20.8000	73.62	73.18	72.75	72.35
71.98				
21.0500	71.61	71.27	70.95	70.65
70.36				
21.3000	70.08	69.82	69.57	69.33
69.10				
21.5500	68.88	68.66	68.46	68.26
68.06				
21.8000	67.87	67.69	67.51	67.34
67.17				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.0500	67.00	66.84	66.67	66.52	66.36
22.3000	66.21	66.06	65.91	65.76	65.62
22.5500	65.48	65.34	65.20	65.06	64.92
22.8000	64.78	64.65	64.51	64.38	64.24
23.0500	64.11	63.98	63.84	63.71	63.58
23.3000	63.45	63.31	63.18	63.05	62.92
23.5500	62.79	62.66	62.53	62.40	62.27
23.8000	62.14	62.01	61.88	61.75	61.61
24.0500	61.40	61.10	60.75	60.23	59.47
24.3000	58.59	57.48	56.02	54.45	52.65
24.5500	50.58	48.28	45.88	43.39	40.84
24.8000	38.28	35.73	33.44	31.20	28.94
25.0500	26.75	24.64	22.62	20.77	19.10
25.3000	17.78	16.49	15.27	14.11	13.02
25.5500	12.06	11.18	10.36	9.62	8.94
25.8000	8.31	7.73	7.37	7.02	6.65
26.0500	6.30	5.95	5.61	5.29	4.98
26.3000	4.69	4.42	4.16	3.92	3.70
26.5500	3.49	3.30	3.11	2.94	2.79
26.8000	2.64	2.50	2.37	2.25	2.14

27.0500	2.03	1.93	1.85	1.77	1.70
27.3000	1.64	1.59	1.54	1.49	1.44
27.5500	1.40	1.36	1.32	1.28	1.25
27.8000	1.22	1.19	1.16	1.13	1.10
28.0500	1.08	1.06	1.04	1.02	1.00
28.3000	.99	.97	.95	.94	.92
28.5500	.90	.89	.87	.86	.84
28.8000	.83	.82	.80	.79	.77
29.0500	.76	.75	.73	.72	.71
29.3000	.70	.69	.67	.66	.65
29.5500	.64	.63	.62	.61	.60
29.8000	.59	.58	.57	.56	.55
30.0500	.54	.53	.52	.51	.50
30.3000	.49	.49	.48	.47	.46
30.5500	.45	.45	.44	.43	.42
30.8000	.41	.41	.40	.39	.39
31.0500	.38	.37	.37	.36	.35
31.3000	.35	.34	.34	.33	.33
31.5500	.32	.32	.31	.31	.30
31.8000	.30	.29	.29	.28	.28
32.0500	.27	.27	.26	.26	.25
32.3000	.25	.24	.24	.24	.23
32.5500	.23	.22	.22	.22	.21
32.8000	.21	.21	.20	.20	.20
33.0500	.19	.19	.19	.18	.18

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.3000	.18	.17	.17	.17 .16
33.5500	.16	.16	.16	.15 .15
33.8000	.15	.15	.14	.14 .14
34.0500	.14	.13	.13	.13 .13
34.3000	.13	.12	.12	.12 .12
34.5500	.11	.11	.11	.11 .11
34.8000	.11	.10	.10	.10 .10
35.0500	.10	.09	.09	.09 .09
35.3000	.09	.09	.09	.08 .08
35.5500	.08	.08	.08	.08 .08
35.8000	.07	.07	.07	.07 .07
36.0500	.07	.07	.07	.07 .06
36.3000	.06	.06	.06	.06 .06
36.5500	.06	.06	.06	.05 .05
36.8000	.05	.05	.05	.05 .05
37.0500	.05	.05	.05	.05 .05
37.3000	.04	.04	.04	.04 .04
37.5500	.04	.04	.04	.04 .04
37.8000	.04	.04	.04	.04 .04
38.0500	.03	.03	.03	.03 .03

38.3000	.03	.03	.03	.03
.03				
38.5500	.03	.03	.03	.03
.03				
38.8000	.03	.03	.03	.03
.02				
39.0500	.02	.02	.02	.02
.02				
39.3000	.02	.02	.02	.02
.02				
39.5500	.02	.02	.02	.02
.02				
39.8000	.02	.02	.02	.02
.02				
40.0500	.02	.02	.02	.02
.02				
40.3000	.02	.02	.02	.02
.01				
40.5500	.01	.01	.01	.01
.01				
40.8000	.01	.01	.01	.01
.01				
41.0500	.01	.01	.01	.01
.01				
41.3000	.01	.01	.01	.01
.01				
41.5500	.01	.01	.01	.01
.01				
41.8000	.01	.01	.01	.01
.01				
42.0500	.01	.01	.01	.01
.01				
42.3000	.01	.01	.01	.01
.01				
42.5500	.01	.01	.01	.01
.01				
42.8000	.01	.01	.01	.01
.01				
43.0500	.01	.01	.01	.01
.01				
43.3000	.01	.01	.01	.01
.01				
43.5500	.01	.01	.01	.00
.00				
43.8000	.00	.00	.00	.00
.00				
44.0500	.00	.00	.00	.00
.00				
44.3000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
44.5500	.00	.00	.00	.00 .00
44.8000	.00	.00	.00	.00 .00
45.0500	.00	.00	.00	

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J4

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 2	BASIN2	IN	ROUTE 2	15
REACH 20	J3		REACH 20	15
ADDLINK 40	BYPASS1		BYPASS1	15

INFLOWS TO: J4

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ROUTE 2	15	273261	12.3500	36.22
	REACH 20	15	8825485	12.8000	978.86
	BYPASS1	15	898134	12.1500	215.37

TOTAL FLOW INTO: J4

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J4	15	9996874	12.7500	1055.23

S/N:
PondPack Ver: Compute Time: Date:

TOTAL NODE INFLOW...
HYG file =
HYG ID = J4
HYG Tag = 15

Peak Discharge =	1055.23 cfs
Time to Peak =	12.7500 hrs
HYG Volume =	9996874 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.7000	.00	.00	.01	.01 .02
3.9500	.03	.05	.07	.09 .11
4.2000	.14	.16	.19	.21 .24
4.4500	.27	.30	.33	.36 .39
4.7000	.42	.45	.48	.51 .55
4.9500	.58	.61	.65	.68 .72
5.2000	.77	.81	.86	.91 .96
5.4500	1.01	1.06	1.11	1.17 1.22
5.7000	1.27	1.33	1.38	1.44 1.50
5.9500	1.56	1.62	1.68	1.74 1.80
6.2000	1.86	1.93	1.99	2.06 2.12
6.4500	2.19	2.26	2.32	2.39 2.46
6.7000	2.54	2.61	2.69	2.76 2.84
6.9500	2.93	3.01	3.10	3.19 3.28

7.2000	3.37	3.47	3.58	3.68	3.79
7.4500	3.90	4.01	4.13	4.24	4.36
7.7000	4.48	4.60	4.72	4.85	4.97
7.9500	5.10	5.23	5.36	5.49	5.63
8.2000	5.77	5.92	6.08	6.25	6.43
8.4500	6.62	6.81	7.02	7.23	7.45
8.7000	7.69	7.93	8.19	8.46	8.74
8.9500	9.03	9.34	9.67	10.00	10.53
9.2000	11.05	11.57	12.09	12.61	13.14
9.4500	13.66	14.20	14.74	15.29	15.89
9.7000	16.56	17.27	18.03	18.82	19.65
9.9500	20.51	21.39	22.33	23.48	24.62
10.2000	25.78	26.95	28.14	29.37	30.63
10.4500	31.96	33.35	34.80	36.31	37.88
10.7000	39.53	41.31	43.35	45.46	47.64
10.9500	49.91	52.26	54.75	57.40	60.21
11.2000	63.22	66.53	70.29	74.27	78.50

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.4500	83.02	87.99	93.75	101.02	111.01
11.7000	124.84	144.46	171.02	206.71	253.36
11.9500	311.66	382.33	458.07	530.27	596.28
12.2000	656.79	712.61	764.49	814.71	865.28
12.4500	914.53	957.86	993.96	1023.17	1042.88
12.7000	1053.01	1055.23	1049.77	1036.20	1016.50
12.9500	991.91	961.72	926.84	889.56	851.18
13.2000	811.70	772.50	733.61	693.13	657.92
13.4500	627.23	599.35	572.99	548.17	525.35
13.7000	503.72	483.18	464.34	446.46	429.46
13.9500	413.57	398.79	384.66	371.21	358.56
14.2000	346.82	335.50	324.77	314.63	305.00
14.4500	296.12	287.58	279.15	270.45	261.52
14.7000	252.76	244.31	236.11	228.25	220.78
14.9500	213.76	207.42	201.44	195.80	190.50
15.2000	185.51	180.81	176.39	172.23	168.47
15.4500	164.85	161.38	158.04	154.83	151.74
15.7000	148.76	145.90	143.13	140.47	137.93
15.9500	135.53	133.31	131.16	129.07	127.06
16.2000	125.13	123.26	121.45	119.71	118.02

16.4500	116.39	114.81	113.28	111.80	110.37
16.7000	109.00	107.67	106.40	105.17	103.99
16.9500	102.93	101.88	100.86	99.88	98.92
17.2000	97.99	97.09	96.22	95.39	94.59
17.4500	93.80	93.04	92.30	91.59	90.89
17.7000	90.21	89.54	88.89	88.26	87.63
17.9500	87.02	86.42	85.82	85.23	84.66
18.2000	84.08	83.52	82.96	82.40	81.85
18.4500	81.30	80.76	80.22	79.69	79.15
18.7000	78.62	78.09	77.57	77.04	76.52
18.9500	76.00	75.49	75.01	74.52	74.03
19.2000	73.53	73.03	72.52	72.02	71.51
19.4500	71.01	70.50	70.00	69.49	68.98
19.7000	68.48	67.98	67.47	66.97	66.47
19.9500	65.97	65.47	64.98	64.48	63.99
20.2000	63.50	63.03	62.55	62.09	61.63
20.4500	61.18	60.73	60.30	59.87	59.45
20.7000	59.05	58.65	58.27	57.90	57.55
20.9500	57.21	56.88	56.57	56.27	55.99
21.2000	55.72	55.46	55.21	54.98	54.75
21.4500	54.54	54.33	54.14	53.95	53.77
21.7000	53.60	53.43	53.27	53.11	52.96
21.9500	52.81	52.67	52.53	52.39	52.26
22.2000	52.13	52.00	51.87	51.75	51.63
22.4500	51.51	51.39	51.29	51.18	51.07

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.7000	50.96	50.85	50.75	50.64 50.53
22.9500	50.43	50.32	50.21	50.11 50.00
23.2000	49.90	49.79	49.69	49.59 49.48
23.4500	49.38	49.28	49.17	49.07 48.97
23.7000	48.87	48.77	48.67	48.57 48.47
23.9500	48.37	48.26	48.10	47.83 47.37
24.2000	46.74	45.94	45.05	44.12 43.17
24.4500	42.19	41.17	40.10	38.94 37.71
24.7000	36.42	35.04	33.58	32.06 30.50
24.9500	28.90	27.43	26.03	24.62 23.23
25.2000	21.87	20.55	19.27	18.03 16.85
25.4500	15.72	14.66	13.76	13.02 12.30
25.7000	11.61	10.97	10.36	9.79 9.26
25.9500	8.75	8.26	7.81	7.37 6.96
26.2000	6.56	6.19	5.84	5.51 5.19
26.4500	4.90	4.62	4.37	4.24 4.11
26.7000	3.97	3.84	3.71	3.59 3.46
26.9500	3.34	3.22	3.11	3.00 2.90
27.2000	2.79	2.70	2.60	2.51 2.43
27.4500	2.34	2.26	2.19	2.11 2.04

27.7000	1.98	1.91	1.85	1.79	1.74
27.9500	1.68	1.63	1.58	1.53	1.49
28.2000	1.45	1.41	1.37	1.33	1.30
28.4500	1.26	1.23	1.20	1.17	1.14
28.7000	1.11	1.09	1.06	1.04	1.01
28.9500	.99	.97	.95	.93	.91
29.2000	.89	.87	.85	.83	.82
29.4500	.80	.79	.77	.75	.74
29.7000	.73	.71	.70	.68	.67
29.9500	.66	.65	.63	.62	.61
30.2000	.60	.59	.58	.57	.56
30.4500	.55	.54	.53	.52	.51
30.7000	.50	.49	.48	.47	.46
30.9500	.46	.45	.44	.43	.42
31.2000	.42	.41	.40	.40	.39
31.4500	.38	.38	.37	.36	.36
31.7000	.35	.35	.34	.33	.33
31.9500	.32	.32	.31	.31	.30
32.2000	.30	.29	.29	.28	.28
32.4500	.27	.27	.26	.26	.25
32.7000	.25	.24	.24	.24	.23
32.9500	.23	.22	.22	.22	.21
33.2000	.21	.21	.20	.20	.20
33.4500	.19	.19	.19	.18	.18
33.7000	.18	.17	.17	.17	.16

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.9500	.16	.16	.16	.15
34.2000	.15	.15	.14	.14
34.4500	.14	.13	.13	.13
34.7000	.13	.12	.12	.12
34.9500	.11	.11	.11	.11
35.2000	.11	.10	.10	.10
35.4500	.10	.09	.09	.09
35.7000	.09	.09	.09	.08
35.9500	.08	.08	.08	.08
36.2000	.07	.07	.07	.07
36.4500	.07	.07	.07	.07
36.7000	.06	.06	.06	.06
36.9500	.06	.06	.06	.05
37.2000	.05	.05	.05	.05
37.4500	.05	.05	.05	.05
37.7000	.04	.04	.04	.04
37.9500	.04	.04	.04	.04
38.2000	.04	.04	.04	.03
38.4500	.03	.03	.03	.03
38.7000	.03	.03	.03	.03

38.9500	.03	.03	.03	.03
39.2000	.03	.03	.03	.03
39.4500	.02	.02	.02	.02
39.7000	.02	.02	.02	.02
39.9500	.02	.02	.02	.02
40.2000	.02	.02	.02	.02
40.4500	.02	.02	.02	.02
40.7000	.02	.02	.02	.02
40.9500	.01	.01	.01	.01
41.2000	.01	.01	.01	.01
41.4500	.01	.01	.01	.01
41.7000	.01	.01	.01	.01
41.9500	.01	.01	.01	.01
42.2000	.01	.01	.01	.01
42.4500	.01	.01	.01	.01
42.7000	.01	.01	.01	.01
42.9500	.01	.01	.01	.01
43.2000	.01	.01	.01	.01
43.4500	.01	.01	.01	.01
43.7000	.01	.01	.01	.01
43.9500	.01	.01	.01	.01
44.2000	.01	.01	.01	.01
44.4500	.01	.01	.01	.01
44.7000	.01	.01	.01	.01
44.9500	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.2000	.01	.01	.01	.01
45.4500	.01	.01	.01	.01
45.7000	.01	.01	.01	.01
45.9500	.01	.01	.01	.01
46.2000	.01	.01	.01	.01
46.4500	.01	.01	.01	.01
46.7000	.01	.01	.01	.01
46.9500	.01	.01	.01	.01
47.2000	.01	.01	.01	.01
47.4500	.01	.01	.01	.01
47.7000	.01	.01	.01	.01
47.9500	.01	.01	.01	.01
48.2000	.01	.00	.00	.00
48.4500	.00	.00	.00	.00
48.7000	.00	.00	.00	.00
48.9500	.00	.00	.00	.00
49.2000	.00	.00	.00	.00
49.4500	.00	.00	.00	.00
49.7000	.00	.00	.00	.00
49.9500	.00	.00	.00	.00

50.2000	.00	.00	.00	.00
.00				
50.4500	.00	.00	.00	.00
.00				
50.7000	.00	.00	.00	.00
.00				
50.9500	.00	.00	.00	.00
.00				
51.2000	.00	.00	.00	.00
.00				
51.4500	.00	.00	.00	.00
.00				
51.7000	.00	.00	.00	.00
.00				
51.9500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J4

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 2	BASIN2	IN	ROUTE 2	25
REACH 20	J3		REACH 20	25
ADDLINK 40	BYPASS1		BYPASS1	25

INFLOWS TO: J4

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ROUTE 2	25	312030	12.4000	38.64
	REACH 20	25	10136050	12.7500	1124.44
	BYPASS1	25	1005090	12.1500	239.77

TOTAL FLOW INTO: J4

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs

J4	25	11453160	12.7500	1208.96

S/N:
PondPack Ver: Compute Time: Date:

TOTAL NODE INFLOW...
HYG file =
HYG ID = J4
HYG Tag = 25

Peak Discharge =	1208.96 cfs
Time to Peak =	12.7500 hrs
HYG Volume =	11453160 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.4000	.00	.00	.00	.01 .02
3.6500	.03	.05	.07	.09 .12
3.9000	.14	.17	.20	.23 .26
4.1500	.29	.32	.36	.39 .42
4.4000	.46	.49	.53	.56 .60
4.6500	.63	.67	.71	.74 .79
4.9000	.85	.90	.95	1.00 1.06
5.1500	1.11	1.17	1.22	1.28 1.34
5.4000	1.40	1.46	1.52	1.59 1.65
5.6500	1.71	1.78	1.85	1.91 1.98
5.9000	2.05	2.12	2.19	2.26 2.34
6.1500	2.41	2.48	2.56	2.64 2.72
6.4000	2.80	2.89	2.98	3.07 3.16
6.6500	3.25	3.35	3.45	3.56 3.67

6.9000	3.78	3.90	4.02	4.14
4.26				
7.1500	4.39	4.51	4.64	4.77
4.90				
7.4000	5.04	5.17	5.31	5.45
5.59				
7.6500	5.73	5.87	6.01	6.16
6.30				
7.9000	6.45	6.59	6.74	6.89
7.05				
8.1500	7.21	7.39	7.58	7.79
8.01				
8.4000	8.26	8.52	8.79	9.08
9.39				
8.6500	9.79	10.29	10.80	11.31
11.84				
8.9000	12.38	12.93	13.50	14.10
14.70				
9.1500	15.32	15.97	16.65	17.37
18.11				
9.4000	18.87	19.64	20.41	21.20
22.00				
9.6500	23.01	24.04	25.07	26.11
27.17				
9.9000	28.24	29.33	30.45	31.62
32.83				
10.1500	34.06	35.34	36.66	38.02
39.44				
10.4000	41.07	42.77	44.49	46.26
48.09				
10.6500	49.99	51.98	54.09	56.33
58.70				
10.9000	61.20	63.83	66.82	69.91
73.12				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.1500	76.49	80.11	84.02	88.24	92.79
11.4000	97.90	103.41	109.36	116.20	124.70
11.6500	136.09	152.44	174.84	204.74	245.79
11.9000	299.39	366.50	446.97	532.13	613.25
12.1500	688.07	757.29	821.67	881.70	939.67
12.4000	997.95	1054.51	1103.30	1143.66	1176.14
12.6500	1197.83	1207.77	1208.96	1201.45	1184.68
12.9000	1161.07	1131.66	1095.97	1055.43	1011.89
13.1500	967.47	922.18	877.34	834.22	793.38
13.4000	754.49	716.90	678.98	645.92	617.69
13.6500	591.59	566.92	543.76	522.20	501.87
13.9000	482.64	464.87	448.03	432.04	416.95
14.1500	402.98	389.61	376.85	364.82	353.69
14.4000	343.13	333.03	323.47	314.36	305.70
14.6500	297.70	289.96	282.49	275.36	268.29
14.9000	260.85	253.28	245.76	238.33	231.14
15.1500	224.29	217.79	211.73	206.19	200.92
15.4000	195.91	191.17	186.68	182.39	178.31
15.6500	174.40	170.76	167.32	163.98	160.75
15.9000	157.63	154.65	151.80	149.09	146.50

16.1500	144.04	141.68	139.41	137.25	135.24
16.4000	133.34	131.50	129.69	127.94	126.23
16.6500	124.58	122.98	121.43	119.94	118.50
16.9000	117.11	115.78	114.51	113.29	112.12
17.1500	111.00	109.92	108.88	107.89	106.92
17.4000	106.00	105.10	104.23	103.44	102.66
17.6500	101.89	101.13	100.38	99.64	98.92
17.9000	98.20	97.50	96.81	96.13	95.46
18.1500	94.80	94.15	93.52	92.89	92.27
18.4000	91.65	91.04	90.43	89.83	89.22
18.6500	88.63	88.03	87.44	86.85	86.26
18.9000	85.67	85.09	84.51	83.93	83.35
19.1500	82.77	82.19	81.62	81.04	80.47
19.4000	79.90	79.33	78.75	78.18	77.61
19.6500	77.04	76.47	75.90	75.34	74.81
19.9000	74.27	73.73	73.18	72.63	72.07
20.1500	71.52	70.97	70.42	69.88	69.35
20.4000	68.83	68.32	67.82	67.33	66.86
20.6500	66.39	65.94	65.50	65.07	64.66
20.9000	64.27	63.89	63.53	63.19	62.87
21.1500	62.55	62.26	61.97	61.70	61.44
21.4000	61.19	60.96	60.73	60.51	60.30
21.6500	60.10	59.91	59.72	59.54	59.37
21.9000	59.20	59.03	58.87	58.71	58.56
22.1500	58.41	58.27	58.12	57.98	57.85

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.4000	57.71	57.58	57.44	57.31	57.18
22.6500	57.06	56.93	56.80	56.68	56.56
22.9000	56.44	56.31	56.19	56.08	55.96
23.1500	55.84	55.72	55.60	55.49	55.37
23.4000	55.25	55.14	55.02	54.91	54.79
23.6500	54.68	54.57	54.45	54.34	54.23
23.9000	54.11	54.00	53.88	53.71	53.40
24.1500	52.89	52.17	51.28	50.27	49.20
24.4000	48.10	47.04	45.92	44.73	43.44
24.6500	42.04	40.54	38.98	37.36	35.68
24.9000	33.94	32.17	30.38	28.59	27.03
25.1500	25.51	24.02	22.58	21.18	19.83
25.4000	18.54	17.30	16.14	15.04	14.03
25.6500	13.28	12.55	11.85	11.18	10.57
25.9000	9.99	9.44	8.92	8.43	7.97
26.1500	7.52	7.10	6.70	6.33	5.97
26.4000	5.63	5.31	5.01	4.72	4.46
26.6500	4.29	4.16	4.03	3.90	3.77
26.9000	3.64	3.52	3.39	3.27	3.16
27.1500	3.05	2.94	2.84	2.74	2.64

27.4000	2.55	2.46	2.38	2.30	2.22
27.6500	2.15	2.08	2.01	1.94	1.88
27.9000	1.82	1.76	1.71	1.66	1.61
28.1500	1.56	1.51	1.47	1.43	1.39
28.4000	1.35	1.32	1.28	1.25	1.22
28.6500	1.19	1.16	1.13	1.11	1.08
28.9000	1.06	1.03	1.01	.99	.96
29.1500	.94	.92	.90	.89	.87
29.4000	.85	.83	.82	.80	.78
29.6500	.77	.75	.74	.72	.71
29.9000	.70	.68	.67	.66	.65
30.1500	.63	.62	.61	.60	.59
30.4000	.58	.57	.56	.55	.54
30.6500	.53	.52	.51	.50	.49
30.9000	.48	.47	.47	.46	.45
31.1500	.44	.43	.43	.42	.41
31.4000	.40	.40	.39	.38	.38
31.6500	.37	.36	.36	.35	.35
31.9000	.34	.33	.33	.32	.32
32.1500	.31	.31	.30	.30	.29
32.4000	.29	.28	.28	.27	.27
32.6500	.26	.26	.25	.25	.25
32.9000	.24	.24	.23	.23	.22
33.1500	.22	.22	.21	.21	.21
33.4000	.20	.20	.20	.19	.19

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.6500	.19	.18	.18	.18 .17
33.9000	.17	.17	.16	.16 .16
34.1500	.16	.15	.15	.15 .15
34.4000	.14	.14	.14	.14 .13
34.6500	.13	.13	.13	.13 .12
34.9000	.12	.12	.12	.11 .11
35.1500	.11	.11	.11	.11 .10
35.4000	.10	.10	.10	.10 .10
35.6500	.09	.09	.09	.09 .09
35.9000	.09	.08	.08	.08 .08
36.1500	.08	.08	.08	.07 .07
36.4000	.07	.07	.07	.07 .07
36.6500	.07	.07	.06	.06 .06
36.9000	.06	.06	.06	.06 .06
37.1500	.06	.05	.05	.05 .05
37.4000	.05	.05	.05	.05 .05
37.6500	.05	.05	.05	.04 .04
37.9000	.04	.04	.04	.04 .04
38.1500	.04	.04	.04	.04 .04
38.4000	.04	.04	.04	.03 .03

38.6500	.03	.03	.03	.03
38.9000	.03	.03	.03	.03
39.1500	.03	.03	.03	.03
39.4000	.03	.03	.02	.02
39.6500	.02	.02	.02	.02
39.9000	.02	.02	.02	.02
40.1500	.02	.02	.02	.02
40.4000	.02	.02	.02	.02
40.6500	.02	.02	.02	.02
40.9000	.02	.02	.01	.01
41.1500	.01	.01	.01	.01
41.4000	.01	.01	.01	.01
41.6500	.01	.01	.01	.01
41.9000	.01	.01	.01	.01
42.1500	.01	.01	.01	.01
42.4000	.01	.01	.01	.01
42.6500	.01	.01	.01	.01
42.9000	.01	.01	.01	.01
43.1500	.01	.01	.01	.01
43.4000	.01	.01	.01	.01
43.6500	.01	.01	.01	.01
43.9000	.01	.01	.01	.01
44.1500	.01	.01	.01	.01
44.4000	.01	.01	.01	.01
44.6500	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
44.9000	.01	.01	.01	.01
45.1500	.01	.01	.01	.01
45.4000	.01	.01	.01	.01
45.6500	.01	.01	.01	.01
45.9000	.01	.01	.01	.01
46.1500	.01	.01	.01	.01
46.4000	.01	.01	.01	.01
46.6500	.01	.01	.01	.01
46.9000	.01	.01	.01	.01
47.1500	.01	.01	.01	.01
47.4000	.01	.01	.01	.01
47.6500	.01	.01	.01	.01
47.9000	.01	.01	.01	.01
48.1500	.01	.01	.01	.00
48.4000	.00	.00	.00	.00
48.6500	.00	.00	.00	.00
48.9000	.00	.00	.00	.00
49.1500	.00	.00	.00	.00
49.4000	.00	.00	.00	.00
49.6500	.00	.00	.00	.00

```
     49.9000 |         .00         .00         .00         .00
.00
     50.1500 |         .00         .00         .00         .00
.00
     50.4000 |         .00         .00         .00         .00
.00
     50.6500 |         .00         .00         .00         .00
.00
     50.9000 |         .00         .00         .00         .00
.00
     51.1500 |         .00         .00         .00         .00
.00
     51.4000 |         .00         .00         .00         .00
.00
     51.6500 |         .00         .00         .00         .00
.00
     51.9000 |         .00         .00         .00         .00
.00
     52.1500 |         .00
```

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J4

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 2	BASIN2	IN	ROUTE 2	100
REACH 20	J3		REACH 20	100
ADDLINK 40	BYPASS1		BYPASS1	100

INFLOWS TO: J4

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ROUTE 2	100	415166	12.3000	74.18
	REACH 20	100	13647410	12.7500	1510.31
	BYPASS1	100	1285189	12.1500	302.90

TOTAL FLOW INTO: J4

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs

J4	100	15347770	12.7000	1613.23

S/N:
PondPack Ver: Compute Time: Date:

TOTAL NODE INFLOW...
HYG file =
HYG ID = J4
HYG Tag = 100

Peak Discharge =	1613.23 cfs
Time to Peak =	12.7000 hrs
HYG Volume =	15347770 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
2.8500	.00	.00	.01	.01 .03
3.1000	.05	.07	.10	.13 .16
3.3500	.20	.24	.28	.32 .36
3.6000	.41	.45	.49	.54 .58
3.8500	.62	.67	.71	.76 .80
4.1000	.85	.90	.96	1.02 1.08
4.3500	1.14	1.21	1.27	1.34 1.41
4.6000	1.48	1.55	1.62	1.70 1.77
4.8500	1.85	1.92	2.00	2.08 2.16
5.1000	2.24	2.33	2.41	2.50 2.58
5.3500	2.67	2.76	2.86	2.95 3.05
5.6000	3.15	3.26	3.37	3.48 3.60
5.8500	3.72	3.85	3.98	4.11 4.25
6.1000	4.39	4.53	4.68	4.83 4.98

6.3500	5.14	5.29	5.45	5.61	5.77
6.6000	5.93	6.10	6.27	6.43	6.60
6.8500	6.78	6.95	7.12	7.30	7.48
7.1000	7.67	7.87	8.07	8.28	8.50
7.3500	8.72	8.95	9.19	9.44	9.80
7.6000	10.23	10.67	11.10	11.53	11.97
7.8500	12.42	12.87	13.34	13.81	14.29
8.1000	14.79	15.31	15.88	16.50	17.15
8.3500	17.84	18.55	19.29	20.04	20.82
8.6000	21.62	22.61	23.60	24.60	25.59
8.8500	26.60	27.62	28.66	29.72	30.81
9.1000	31.95	33.11	34.29	35.48	36.68
9.3500	37.89	39.10	40.51	41.88	43.24
9.6000	44.58	45.93	47.29	48.68	50.10
9.8500	51.57	53.09	54.65	56.24	57.87
10.1000	59.54	61.35	63.28	65.24	67.26
10.3500	69.34	71.50	73.74	76.07	78.51

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.6000	81.09	83.80	86.67	89.74	93.15
10.8500	96.68	100.37	104.23	108.25	112.51
11.1000	117.02	121.81	127.16	132.93	139.05
11.3500	145.61	152.65	160.23	168.72	178.61
11.6000	190.66	206.68	228.14	257.61	297.31
11.8500	352.82	424.99	513.16	616.65	726.58
12.1000	832.68	931.80	1027.22	1139.43	1226.21
12.3500	1297.42	1366.42	1433.53	1490.91	1538.41
12.6000	1579.02	1603.94	1613.23	1611.17	1597.59
12.8500	1571.56	1536.63	1494.29	1443.64	1386.86
13.1000	1326.74	1265.89	1204.34	1143.97	1086.13
13.3500	1032.09	980.94	933.21	889.12	848.22
13.6000	809.31	773.34	738.74	703.74	671.13
13.8500	644.47	619.44	596.11	574.14	553.38
14.1000	534.11	515.88	498.60	482.23	467.14
14.3500	452.87	439.30	426.46	414.54	403.26
14.6000	392.50	382.32	372.59	363.29	354.75
14.8500	346.53	338.62	331.11	323.98	317.14
15.1000	310.60	304.50	298.65	292.97	287.49
15.3500	282.17	277.00	271.98	267.11	262.20

15.6000	256.97	251.32	245.25	239.05
232.90				
15.8500	226.90	221.13	215.64	210.59
205.85				
16.1000	201.32	197.02	192.94	189.09
185.43				
16.3500	181.95	178.64	175.48	172.51
169.76				
16.6000	167.11	164.54	162.06	159.69
157.43				
16.8500	155.26	153.19	151.22	149.33
147.52				
17.1000	145.80	144.15	142.58	141.08
139.64				
17.3500	138.27	136.96	135.76	134.58
133.42				
17.6000	132.29	131.20	130.13	129.09
128.07				
17.8500	127.07	126.09	125.13	124.19
123.27				
18.1000	122.37	121.48	120.61	119.75
118.90				
18.3500	118.06	117.23	116.41	115.60
114.79				
18.6000	113.99	113.20	112.41	111.62
110.84				
18.8500	110.07	109.30	108.53	107.77
107.00				
19.1000	106.25	105.49	104.74	103.99
103.29				
19.3500	102.57	101.85	101.13	100.40
99.67				
19.6000	98.94	98.22	97.49	96.76
96.04				
19.8500	95.31	94.58	93.86	93.14
92.42				
20.1000	91.71	91.00	90.29	89.59
88.90				
20.3500	88.22	87.55	86.89	86.25
85.61				
20.6000	85.00	84.39	83.81	83.24
82.70				
20.8500	82.17	81.67	81.18	80.72
80.28				
21.1000	79.86	79.45	79.07	78.71
78.36				
21.3500	78.03	77.72	77.42	77.14
76.86				
21.6000	76.60	76.34	76.10	75.86
75.65				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
21.8500	75.44	75.24	75.04	74.84	74.65
22.1000	74.46	74.27	74.09	73.91	73.73
22.3500	73.55	73.38	73.21	73.04	72.88
22.6000	72.72	72.56	72.40	72.24	72.08
22.8500	71.93	71.78	71.62	71.47	71.32
23.1000	71.17	71.02	70.87	70.73	70.58
23.3500	70.43	70.28	70.14	69.99	69.84
23.6000	69.70	69.55	69.41	69.26	69.12
23.8500	68.98	68.83	68.69	68.53	68.31
24.1000	67.92	67.28	66.37	65.24	63.96
24.3500	62.60	61.20	59.75	58.24	56.64
24.6000	54.90	53.01	50.99	48.85	46.62
24.8500	44.54	42.39	40.22	38.03	35.83
25.1000	33.65	31.49	29.38	27.47	25.81
25.3500	24.21	22.68	21.21	19.80	18.47
25.6000	17.21	16.03	14.92	13.93	13.18
25.8500	12.45	11.76	11.11	10.50	9.93
26.1000	9.39	8.88	8.40	7.93	7.49
26.3500	7.08	6.68	6.31	5.96	5.62
26.6000	5.31	5.01	4.73	4.46	4.29

26.8500	4.16	4.04	3.91	3.78	3.65
27.1000	3.53	3.41	3.29	3.17	3.06
27.3500	2.95	2.85	2.75	2.65	2.56
27.6000	2.47	2.39	2.31	2.23	2.16
27.8500	2.09	2.02	1.95	1.89	1.83
28.1000	1.77	1.72	1.67	1.62	1.57
28.3500	1.53	1.49	1.45	1.41	1.37
28.6000	1.34	1.30	1.27	1.24	1.21
28.8500	1.18	1.15	1.13	1.10	1.08
29.1000	1.05	1.03	1.01	.98	.96
29.3500	.94	.92	.90	.89	.87
29.6000	.85	.83	.82	.80	.79
29.8500	.77	.76	.74	.73	.71
30.1000	.70	.69	.67	.66	.65
30.3500	.64	.63	.62	.60	.59
30.6000	.58	.57	.56	.55	.54
30.8500	.53	.52	.51	.50	.49
31.1000	.49	.48	.47	.46	.45
31.3500	.44	.44	.43	.42	.41
31.6000	.41	.40	.39	.39	.38
31.8500	.37	.37	.36	.35	.35
32.1000	.34	.34	.33	.33	.32
32.3500	.31	.31	.30	.30	.29
32.6000	.29	.28	.28	.27	.27
32.8500	.27	.26	.26	.25	.25

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.1000	.24	.24	.24	.23
33.3500	.22	.22	.22	.21
33.6000	.20	.20	.20	.19
33.8500	.19	.18	.18	.18
34.1000	.17	.17	.17	.16
34.3500	.16	.16	.15	.15
34.6000	.15	.14	.14	.14
34.8500	.13	.13	.13	.13
35.1000	.12	.12	.12	.12
35.3500	.11	.11	.11	.11
35.6000	.10	.10	.10	.10
35.8500	.09	.09	.09	.09
36.1000	.09	.09	.08	.08
36.3500	.08	.08	.08	.08
36.6000	.07	.07	.07	.07
36.8500	.07	.07	.06	.06
37.1000	.06	.06	.06	.06
37.3500	.06	.06	.05	.05
37.6000	.05	.05	.05	.05
37.8500	.05	.05	.05	.04

38.1000	.04	.04	.04	.04
.04				
38.3500	.04	.04	.04	.04
.04				
38.6000	.04	.04	.04	.03
.03				
38.8500	.03	.03	.03	.03
.03				
39.1000	.03	.03	.03	.03
.03				
39.3500	.03	.03	.03	.03
.03				
39.6000	.03	.03	.03	.02
.02				
39.8500	.02	.02	.02	.02
.02				
40.1000	.02	.02	.02	.02
.02				
40.3500	.02	.02	.02	.02
.02				
40.6000	.02	.02	.02	.02
.02				
40.8500	.02	.02	.02	.02
.02				
41.1000	.02	.02	.01	.01
.01				
41.3500	.01	.01	.01	.01
.01				
41.6000	.01	.01	.01	.01
.01				
41.8500	.01	.01	.01	.01
.01				
42.1000	.01	.01	.01	.01
.01				
42.3500	.01	.01	.01	.01
.01				
42.6000	.01	.01	.01	.01
.01				
42.8500	.01	.01	.01	.01
.01				
43.1000	.01	.01	.01	.01
.01				
43.3500	.01	.01	.01	.01
.01				
43.6000	.01	.01	.01	.01
.01				
43.8500	.01	.01	.01	.01
.01				
44.1000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
44.3500	.01	.01	.01	.01 .01
44.6000	.01	.01	.01	.01 .01
44.8500	.01	.01	.01	.01 .01
45.1000	.01	.01	.01	.01 .01
45.3500	.01	.01	.01	.01 .01
45.6000	.01	.01	.01	.01 .01
45.8500	.01	.01	.01	.01 .01
46.1000	.01	.01	.01	.01 .01
46.3500	.01	.01	.01	.01 .01
46.6000	.01	.01	.01	.01 .01
46.8500	.01	.01	.01	.01 .01
47.1000	.01	.01	.01	.01 .01
47.3500	.01	.01	.01	.01 .01
47.6000	.01	.01	.01	.01 .01
47.8500	.01	.01	.01	.01 .01
48.1000	.01	.01	.01	.01 .01
48.3500	.01	.01	.01	.01 .01
48.6000	.00	.00	.00	.00 .00
48.8500	.00	.00	.00	.00 .00
49.1000	.00	.00	.00	.00 .00

49.3500	.00	.00	.00	.00
.00				
49.6000	.00	.00	.00	.00
.00				
49.8500	.00	.00	.00	.00
.00				
50.1000	.00	.00	.00	.00
.00				
50.3500	.00	.00	.00	.00
.00				
50.6000	.00	.00	.00	.00
.00				
50.8500	.00	.00	.00	.00
.00				
51.1000	.00	.00	.00	.00
.00				
51.3500	.00	.00	.00	.00
.00				
51.6000	.00	.00	.00	.00
.00				
51.8500	.00	.00	.00	.00
.00				
52.1000	.00	.00	.00	.00
.00				
52.3500	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J5

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 10	BASIN3B		ROUTE 10	15
REACH 30	J4		REACH 30	15

INFLOWS TO: J5

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ROUTE 10	15	747909	12.6000	77.37
	REACH 30	15	9996781	12.8500	1036.26

TOTAL FLOW INTO: J5

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J5	15	10744690	12.8500	1110.20

TOTAL NODE INFLOW...
HYG file =
HYG ID = J5
HYG Tag = 15

Peak Discharge =	1110.20 cfs
Time to Peak =	12.8500 hrs
HYG Volume =	10744690 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
4.0500	.00	.00	.00	.00
4.3000	.00	.01	.01	.01
4.5500	.03	.05	.07	.09
4.8000	.13	.15	.17	.20
5.0500	.25	.27	.30	.32
5.3000	.38	.41	.44	.48
5.5500	.55	.58	.62	.66
5.8000	.73	.78	.82	.86
6.0500	.95	.99	1.04	1.09
6.3000	1.19	1.24	1.29	1.34
6.5500	1.45	1.50	1.56	1.62
6.8000	1.73	1.79	1.85	1.92
7.0500	2.04	2.11	2.18	2.25
7.3000	2.39	2.47	2.54	2.62

1.14				
1.39				
1.67				
1.98				
2.32				
2.70				

7.5500	2.78	2.87	2.95	3.04	3.13
7.8000	3.23	3.32	3.42	3.51	3.61
8.0500	3.71	3.82	3.92	4.03	4.14
8.3000	4.25	4.37	4.58	4.81	5.03
8.5500	5.25	5.46	5.68	5.90	6.12
8.8000	6.34	6.57	6.81	7.05	7.30
9.0500	7.56	7.82	8.11	8.43	8.77
9.3000	9.14	9.53	9.94	10.38	10.85
9.5500	11.35	11.88	12.42	12.98	13.58
9.8000	14.20	14.85	15.70	16.56	17.43
10.0500	18.32	19.25	20.22	21.19	22.20
10.3000	23.25	24.36	25.50	26.70	27.94
10.5500	29.25	30.70	32.34	34.00	35.71
10.8000	37.47	39.32	41.26	43.30	45.47
11.0500	47.75	50.13	52.88	55.77	58.80
11.3000	62.06	65.51	69.15	72.99	77.23
11.5500	82.00	87.27	93.46	101.22	111.86

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.8000	126.36	146.61	174.92	214.18	263.36
12.0500	323.72	393.29	467.25	541.03	612.24
12.3000	680.01	744.13	805.01	862.81	917.37
12.5500	967.34	1011.05	1047.83	1076.35	1096.03
12.8000	1107.25	1110.20	1105.23	1093.12	1074.77
13.0500	1050.62	1021.53	989.26	954.12	916.75
13.3000	878.87	839.63	800.72	763.59	728.79
13.5500	696.67	666.22	637.87	611.38	586.00
13.8000	561.80	538.73	516.50	495.37	475.90
14.0500	457.20	439.53	422.54	406.54	391.73
14.3000	377.82	364.81	352.87	341.68	331.12
14.5500	321.08	311.37	301.93	292.81	283.76
14.8000	274.86	266.14	257.67	249.73	242.18
15.0500	234.97	228.10	221.58	215.40	209.58
15.3000	204.26	199.18	194.36	189.80	185.49
15.5500	181.38	177.47	173.73	170.16	166.89
15.8000	163.71	160.61	157.62	154.72	151.94
16.0500	149.29	146.73	144.28	141.91	139.64
16.3000	137.44	135.33	133.34	131.47	129.64
16.5500	127.86	126.13	124.45	122.82	121.24

16.8000	119.71	118.24	116.82	115.45	114.14
17.0500	112.89	111.69	110.52	109.40	108.32
17.3000	107.27	106.26	105.28	104.34	103.43
17.5500	102.55	101.72	100.93	100.15	99.36
17.8000	98.58	97.82	97.09	96.36	95.66
18.0500	94.97	94.29	93.62	92.97	92.32
18.3000	91.69	91.06	90.44	89.83	89.22
18.5500	88.62	88.02	87.43	86.84	86.26
18.8000	85.68	85.10	84.53	83.96	83.39
19.0500	82.83	82.28	81.73	81.18	80.64
19.3000	80.10	79.56	79.02	78.48	77.93
19.5500	77.39	76.84	76.30	75.75	75.21
19.8000	74.66	74.12	73.59	73.09	72.58
20.0500	72.06	71.54	71.01	70.49	69.96
20.3000	69.44	68.93	68.42	67.91	67.41
20.5500	66.92	66.44	65.97	65.51	65.06
20.8000	64.62	64.19	63.77	63.36	62.97
21.0500	62.59	62.23	61.87	61.53	61.21
21.3000	60.89	60.59	60.31	60.03	59.77
21.5500	59.51	59.27	59.04	58.82	58.60
21.8000	58.40	58.20	58.01	57.82	57.65
22.0500	57.47	57.31	57.14	56.98	56.83
22.3000	56.68	56.53	56.39	56.25	56.11
22.5500	55.98	55.85	55.72	55.60	55.48
22.8000	55.35	55.23	55.11	55.00	54.88

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.0500	54.76	54.65	54.53	54.41	54.30
23.3000	54.19	54.07	53.96	53.85	53.73
23.5500	53.62	53.51	53.40	53.29	53.18
23.8000	53.07	52.96	52.85	52.74	52.63
24.0500	52.51	52.36	52.16	51.86	51.43
24.3000	50.84	50.11	49.28	48.42	47.49
24.5500	46.49	45.42	44.29	43.13	41.94
24.8000	40.70	39.35	37.79	36.28	34.81
25.0500	33.37	31.95	30.54	29.13	27.84
25.3000	26.65	25.45	24.25	23.06	21.88
25.5500	20.73	19.63	18.58	17.59	16.65
25.8000	15.75	14.91	14.12	13.53	12.95
26.0500	12.39	11.83	11.30	10.77	10.27
26.3000	9.78	9.31	8.85	8.41	7.99
26.5500	7.59	7.21	6.86	6.54	6.23
26.8000	5.95	5.69	5.44	5.20	4.98
27.0500	4.77	4.58	4.39	4.30	4.20
27.3000	4.11	4.02	3.92	3.83	3.74
27.5500	3.65	3.56	3.47	3.38	3.29
27.8000	3.21	3.13	3.04	2.96	2.88

28.0500	2.81	2.73	2.66	2.59	2.52
28.3000	2.45	2.38	2.32	2.26	2.19
28.5500	2.14	2.08	2.02	1.97	1.92
28.8000	1.87	1.82	1.77	1.72	1.68
29.0500	1.63	1.59	1.55	1.51	1.47
29.3000	1.44	1.40	1.37	1.33	1.30
29.5500	1.27	1.24	1.21	1.18	1.15
29.8000	1.12	1.10	1.07	1.05	1.02
30.0500	1.00	.98	.96	.94	.92
30.3000	.90	.88	.86	.84	.82
30.5500	.80	.79	.77	.75	.74
30.8000	.72	.71	.69	.68	.67
31.0500	.65	.64	.63	.61	.60
31.3000	.59	.58	.57	.56	.55
31.5500	.54	.53	.52	.51	.50
31.8000	.49	.48	.47	.46	.45
32.0500	.44	.44	.43	.42	.41
32.3000	.40	.40	.39	.38	.38
32.5500	.37	.36	.36	.35	.34
32.8000	.34	.33	.33	.32	.31
33.0500	.31	.30	.30	.29	.29
33.3000	.28	.28	.27	.27	.26
33.5500	.26	.25	.25	.25	.24
33.8000	.24	.23	.23	.23	.22
34.0500	.22	.21	.21	.21	.20

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.3000	.20	.20	.19	.19
34.5500	.18	.18	.18	.17
34.8000	.17	.16	.16	.16
35.0500	.15	.15	.15	.15
35.3000	.14	.14	.14	.13
35.5500	.13	.13	.12	.12
35.8000	.12	.12	.11	.11
36.0500	.11	.11	.11	.10
36.3000	.10	.10	.10	.09
36.5500	.09	.09	.09	.09
36.8000	.08	.08	.08	.08
37.0500	.08	.08	.07	.07
37.3000	.07	.07	.07	.07
37.5500	.06	.06	.06	.06
37.8000	.06	.06	.06	.06
38.0500	.05	.05	.05	.05
38.3000	.05	.05	.05	.05
38.5500	.05	.05	.04	.04
38.8000	.04	.04	.04	.04
39.0500	.04	.04	.04	.04

39.3000	.04	.03	.03	.03
39.5500	.03	.03	.03	.03
39.8000	.03	.03	.03	.03
40.0500	.03	.03	.03	.03
40.3000	.03	.02	.02	.02
40.5500	.02	.02	.02	.02
40.8000	.02	.02	.02	.02
41.0500	.02	.02	.02	.02
41.3000	.02	.02	.02	.02
41.5500	.02	.02	.02	.02
41.8000	.02	.01	.01	.01
42.0500	.01	.01	.01	.01
42.3000	.01	.01	.01	.01
42.5500	.01	.01	.01	.01
42.8000	.01	.01	.01	.01
43.0500	.01	.01	.01	.01
43.3000	.01	.01	.01	.01
43.5500	.01	.01	.01	.01
43.8000	.01	.01	.01	.01
44.0500	.01	.01	.01	.01
44.3000	.01	.01	.01	.01
44.5500	.01	.01	.01	.01
44.8000	.01	.01	.01	.01
45.0500	.01	.01	.01	.01
45.3000	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.5500	.01	.01	.01	.01
45.8000	.01	.01	.01	.01
46.0500	.01	.01	.01	.01
46.3000	.01	.01	.01	.01
46.5500	.01	.01	.01	.01
46.8000	.01	.01	.01	.01
47.0500	.01	.01	.01	.01
47.3000	.01	.01	.01	.01
47.5500	.01	.01	.01	.01
47.8000	.01	.01	.01	.01
48.0500	.01	.01	.01	.01
48.3000	.01	.01	.01	.01
48.5500	.01	.01	.01	.01
48.8000	.01	.01	.01	.01
49.0500	.01	.01	.01	.01
49.3000	.01	.01	.01	.01
49.5500	.01	.01	.01	.01
49.8000	.01	.01	.01	.01
50.0500	.01	.01	.01	.01
50.3000	.01	.01	.01	.01

50.5500	.01	.01	.01	.01
50.8000	.01	.01	.01	.01
51.0500	.01	.01	.01	.01
51.3000	.01	.01	.01	.01
51.5500	.01	.01	.01	.01
51.8000	.01	.01	.01	.01
52.0500	.01	.01	.01	.01
52.3000	.01	.01	.01	.01
52.5500	.01	.01	.01	.01
52.8000	.01	.01	.01	.01
53.0500	.01	.01	.01	.01
53.3000	.01	.01	.01	.01
53.5500	.01	.01	.01	.01
53.8000	.01	.01	.01	.01
54.0500	.01	.01	.01	.01
54.3000	.01	.01	.01	.01
54.5500	.01	.01	.01	.01
54.8000	.01	.01	.00	.00
55.0500	.00	.00	.00	.00
55.3000	.00	.00	.00	.00
55.5500	.00	.00	.00	.00
55.8000	.00	.00	.00	.00
56.0500	.00	.00	.00	.00
56.3000	.00	.00	.00	.00
56.5500	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
56.8000	.00	.00	.00	.00 .00
57.0500	.00	.00	.00	.00 .00
57.3000	.00	.00	.00	.00 .00
57.5500	.00	.00	.00	.00 .00
57.8000	.00	.00	.00	.00 .00
58.0500	.00	.00	.00	.00 .00
58.3000	.00	.00	.00	.00 .00
58.5500	.00	.00	.00	.00 .00
58.8000	.00	.00	.00	.00 .00
59.0500	.00	.00	.00	.00 .00
59.3000	.00	.00	.00	.00 .00
59.5500	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J5

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 10	BASIN3B		ROUTE 10	25
REACH 30	J4		REACH 30	25

INFLOWS TO: J5

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ROUTE 10	25	869335	12.6500	86.46
	REACH 30	25	11453070	12.8500	1188.88

TOTAL FLOW INTO: J5

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J5	25	12322410	12.8500	1271.98

TOTAL NODE INFLOW...
HYG file =
HYG ID = J5
HYG Tag = 25

Peak Discharge =	1271.98 cfs
Time to Peak =	12.8500 hrs
HYG Volume =	12322410 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.7500	.00	.00	.00	.00
4.0000	.00	.01	.01	.01
4.2500	.04	.06	.08	.10
4.5000	.14	.17	.19	.22
4.7500	.27	.30	.33	.36
5.0000	.42	.45	.49	.52
5.2500	.60	.64	.68	.72
5.5000	.81	.85	.90	.95
5.7500	1.04	1.09	1.15	1.20
6.0000	1.31	1.36	1.42	1.48
6.2500	1.59	1.65	1.72	1.78
6.5000	1.91	1.98	2.04	2.11
6.7500	2.26	2.33	2.41	2.49
7.0000	2.66	2.74	2.83	2.92

1.25
1.53
1.84
2.19
2.57
3.01

7.2500	3.11	3.20	3.30	3.40
3.51				
7.5000	3.61	3.72	3.83	3.94
4.05				
7.7500	4.16	4.28	4.41	4.64
4.86				
8.0000	5.06	5.27	5.46	5.66
5.85				
8.2500	6.04	6.23	6.42	6.62
6.82				
8.5000	7.04	7.26	7.49	7.74
8.01				
8.7500	8.31	8.63	8.98	9.36
9.76				
9.0000	10.19	10.67	11.17	11.71
12.28				
9.2500	12.87	13.50	14.15	14.82
15.67				
9.5000	16.54	17.39	18.25	19.12
20.02				
9.7500	20.93	21.85	22.80	23.78
24.80				
10.0000	25.85	26.93	28.05	29.20
30.48				
10.2500	31.91	33.35	34.81	36.31
37.86				
10.5000	39.46	41.12	42.84	44.62
46.50				
10.7500	48.46	50.54	52.91	55.36
57.88				
11.0000	60.54	63.38	66.36	69.47
72.69				
11.2500	76.14	79.98	84.02	88.32
92.95				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.5000	97.94	103.40	109.92	117.51	126.97
11.7500	139.53	157.16	181.14	215.01	259.64
12.0000	316.11	385.65	464.79	547.69	630.50
12.2500	711.44	788.67	861.57	931.07	997.94
12.5000	1060.43	1116.93	1166.36	1207.38	1238.39
12.7500	1259.49	1270.59	1271.98	1264.30	1248.61
13.0000	1225.84	1196.75	1162.07	1123.25	1082.08
13.2500	1038.82	995.26	952.24	910.16	869.53
13.5000	829.22	790.76	754.39	721.03	690.12
13.7500	661.04	634.24	608.95	584.97	562.77
14.0000	541.48	520.64	500.67	481.85	463.98
14.2500	446.95	430.65	415.71	400.99	387.15
14.5000	374.36	362.42	351.59	341.37	331.72
14.7500	322.57	313.92	305.64	297.85	290.06
15.0000	282.28	274.52	266.83	259.29	252.10
15.2500	245.25	238.65	232.34	226.30	220.55
15.5000	215.07	209.90	205.13	200.53	196.11
15.7500	191.88	187.83	183.94	180.20	176.61
16.0000	173.17	169.91	166.90	163.99	161.17
16.2500	158.45	155.82	153.31	150.90	148.61

16.5000	146.40	144.28	142.24	140.27
138.36				
16.7500	136.51	134.73	133.09	131.51
129.97				
17.0000	128.47	127.01	125.61	124.25
122.94				
17.2500	121.68	120.46	119.29	118.16
117.08				
17.5000	116.02	115.01	114.05	113.11
112.21				
17.7500	111.33	110.47	109.63	108.81
108.00				
18.0000	107.21	106.43	105.67	104.92
104.18				
18.2500	103.45	102.74	102.05	101.40
100.74				
18.5000	100.09	99.43	98.78	98.12
97.45				
18.7500	96.77	96.10	95.43	94.76
94.11				
19.0000	93.46	92.81	92.17	91.53
90.90				
19.2500	90.27	89.64	89.01	88.39
87.76				
19.5000	87.14	86.52	85.90	85.28
84.66				
19.7500	84.04	83.42	82.81	82.21
81.61				
20.0000	81.01	80.42	79.82	79.23
78.63				
20.2500	78.04	77.44	76.86	76.28
75.70				
20.5000	75.14	74.59	74.05	73.54
73.06				
20.7500	72.59	72.12	71.66	71.20
70.76				
21.0000	70.34	69.92	69.52	69.14
68.77				
21.2500	68.41	68.07	67.74	67.42
67.12				
21.5000	66.83	66.55	66.28	66.02
65.78				
21.7500	65.54	65.31	65.09	64.88
64.67				
22.0000	64.47	64.28	64.10	63.91
63.74				
22.2500	63.57	63.40	63.24	63.08
62.92				
22.5000	62.77	62.62	62.47	62.32
62.17				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.7500	62.03	61.89	61.75	61.61	61.48
23.0000	61.34	61.21	61.08	60.94	60.81
23.2500	60.68	60.56	60.43	60.30	60.17
23.5000	60.05	59.92	59.79	59.67	59.54
23.7500	59.42	59.30	59.17	59.05	58.93
24.0000	58.80	58.67	58.50	58.26	57.91
24.2500	57.40	56.74	55.91	54.95	53.87
24.5000	52.75	51.58	50.34	49.02	47.70
24.7500	46.42	45.07	43.65	42.04	40.34
25.0000	38.67	37.02	35.39	33.78	32.19
25.2500	30.63	29.09	27.70	26.43	25.15
25.5000	23.88	22.64	21.42	20.26	19.16
25.7500	18.12	17.13	16.19	15.31	14.47
26.0000	13.79	13.20	12.63	12.07	11.52
26.2500	10.99	10.47	9.97	9.49	9.03
26.5000	8.58	8.16	7.75	7.36	7.00
26.7500	6.66	6.35	6.06	5.79	5.54
27.0000	5.30	5.07	4.86	4.65	4.46
27.2500	4.34	4.24	4.15	4.05	3.96
27.5000	3.87	3.78	3.68	3.59	3.50

27.7500	3.42	3.33	3.24	3.16	3.08
28.0000	3.00	2.92	2.84	2.76	2.69
28.2500	2.62	2.55	2.48	2.41	2.35
28.5000	2.28	2.22	2.16	2.11	2.05
28.7500	1.99	1.94	1.89	1.84	1.79
29.0000	1.75	1.70	1.66	1.61	1.57
29.2500	1.53	1.50	1.46	1.42	1.39
29.5000	1.35	1.32	1.29	1.26	1.23
29.7500	1.20	1.17	1.14	1.12	1.09
30.0000	1.07	1.04	1.02	.99	.97
30.2500	.95	.93	.91	.89	.87
30.5000	.85	.83	.82	.80	.78
30.7500	.77	.75	.74	.72	.71
31.0000	.69	.68	.66	.65	.64
31.2500	.63	.61	.60	.59	.58
31.5000	.57	.56	.55	.54	.53
31.7500	.52	.51	.50	.49	.48
32.0000	.47	.46	.45	.44	.44
32.2500	.43	.42	.41	.40	.40
32.5000	.39	.38	.38	.37	.36
32.7500	.36	.35	.34	.34	.33
33.0000	.33	.32	.31	.31	.30
33.2500	.30	.29	.29	.28	.28
33.5000	.27	.27	.26	.26	.25
33.7500	.25	.25	.24	.24	.23

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.0000	.23	.23	.22	.22 .21
34.2500	.21	.21	.20	.20 .20
34.5000	.19	.19	.19	.18 .18
34.7500	.18	.17	.17	.17 .16
35.0000	.16	.16	.16	.15 .15
35.2500	.15	.15	.14	.14 .14
35.5000	.14	.13	.13	.13 .13
35.7500	.13	.12	.12	.12 .12
36.0000	.11	.11	.11	.11 .11
36.2500	.11	.10	.10	.10 .10
36.5000	.10	.09	.09	.09 .09
36.7500	.09	.09	.09	.08 .08
37.0000	.08	.08	.08	.08 .08
37.2500	.07	.07	.07	.07 .07
37.5000	.07	.07	.07	.06 .06
37.7500	.06	.06	.06	.06 .06
38.0000	.06	.06	.06	.05 .05
38.2500	.05	.05	.05	.05 .05
38.5000	.05	.05	.05	.05 .05
38.7500	.04	.04	.04	.04 .04

39.0000	.04	.04	.04	.04
39.2500	.04	.04	.04	.04
39.5000	.03	.03	.03	.03
39.7500	.03	.03	.03	.03
40.0000	.03	.03	.03	.03
40.2500	.03	.03	.03	.03
40.5000	.02	.02	.02	.02
40.7500	.02	.02	.02	.02
41.0000	.02	.02	.02	.02
41.2500	.02	.02	.02	.02
41.5000	.02	.02	.02	.02
41.7500	.02	.02	.02	.02
42.0000	.01	.01	.01	.01
42.2500	.01	.01	.01	.01
42.5000	.01	.01	.01	.01
42.7500	.01	.01	.01	.01
43.0000	.01	.01	.01	.01
43.2500	.01	.01	.01	.01
43.5000	.01	.01	.01	.01
43.7500	.01	.01	.01	.01
44.0000	.01	.01	.01	.01
44.2500	.01	.01	.01	.01
44.5000	.01	.01	.01	.01
44.7500	.01	.01	.01	.01
45.0000	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.2500	.01	.01	.01	.01 .01
45.5000	.01	.01	.01	.01 .01
45.7500	.01	.01	.01	.01 .01
46.0000	.01	.01	.01	.01 .01
46.2500	.01	.01	.01	.01 .01
46.5000	.01	.01	.01	.01 .01
46.7500	.01	.01	.01	.01 .01
47.0000	.01	.01	.01	.01 .01
47.2500	.01	.01	.01	.01 .01
47.5000	.01	.01	.01	.01 .01
47.7500	.01	.01	.01	.01 .01
48.0000	.01	.01	.01	.01 .01
48.2500	.01	.01	.01	.01 .01
48.5000	.01	.01	.01	.01 .01
48.7500	.01	.01	.01	.01 .01
49.0000	.01	.01	.01	.01 .01
49.2500	.01	.01	.01	.01 .01
49.5000	.01	.01	.01	.01 .01
49.7500	.01	.01	.01	.01 .01
50.0000	.01	.01	.01	.01 .01

50.2500	.01	.01	.01	.01
.01				
50.5000	.01	.01	.01	.01
.01				
50.7500	.01	.01	.01	.01
.01				
51.0000	.01	.01	.01	.01
.01				
51.2500	.01	.01	.01	.01
.01				
51.5000	.01	.01	.01	.01
.01				
51.7500	.01	.01	.01	.01
.01				
52.0000	.01	.01	.01	.01
.01				
52.2500	.01	.01	.01	.01
.01				
52.5000	.01	.01	.01	.01
.01				
52.7500	.01	.01	.01	.01
.01				
53.0000	.01	.01	.01	.01
.01				
53.2500	.01	.01	.01	.01
.01				
53.5000	.01	.01	.01	.01
.01				
53.7500	.01	.01	.01	.01
.01				
54.0000	.01	.01	.01	.01
.01				
54.2500	.01	.01	.01	.01
.01				
54.5000	.01	.01	.01	.01
.01				
54.7500	.01	.01	.01	.01
.01				
55.0000	.00	.00	.00	.00
.00				
55.2500	.00	.00	.00	.00
.00				
55.5000	.00	.00	.00	.00
.00				
55.7500	.00	.00	.00	.00
.00				
56.0000	.00	.00	.00	.00
.00				
56.2500	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
56.5000	.00	.00	.00	.00 .00
56.7500	.00	.00	.00	.00 .00
57.0000	.00	.00	.00	.00 .00
57.2500	.00	.00	.00	.00 .00
57.5000	.00	.00	.00	.00 .00
57.7500	.00	.00	.00	.00 .00
58.0000	.00	.00	.00	.00 .00
58.2500	.00	.00	.00	.00 .00
58.5000	.00	.00	.00	.00 .00
58.7500	.00	.00	.00	.00 .00
59.0000	.00	.00	.00	.00 .00
59.2500	.00	.00	.00	.00 .00
59.5000	.00	.00	.00	.00 .00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J5

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 10	BASIN3B		ROUTE 10	100
REACH 30	J4		REACH 30	100

INFLOWS TO: J5

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ROUTE 10	100	1197972	12.6500	109.60
	REACH 30	100	15347690	12.8000	1589.79

TOTAL FLOW INTO: J5

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J5	100	16545670	12.8000	1696.62

TOTAL NODE INFLOW...
HYG file =
HYG ID = J5
HYG Tag = 100

Peak Discharge =	1696.62 cfs
Time to Peak =	12.8000 hrs
HYG Volume =	16545670 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.1500	.00	.00	.00	.00
3.4000	.00	.01	.01	.01
3.6500	.06	.08	.11	.14
3.9000	.19	.22	.25	.29
4.1500	.35	.39	.42	.46
4.4000	.54	.58	.63	.67
4.6500	.77	.81	.87	.92
4.9000	1.03	1.08	1.14	1.20
5.1500	1.32	1.39	1.45	1.52
5.4000	1.65	1.72	1.79	1.87
5.6500	2.02	2.09	2.17	2.26
5.9000	2.43	2.52	2.61	2.70
6.1500	2.90	3.01	3.11	3.22
6.4000	3.44	3.56	3.68	3.80

1.58	1.65	1.72	1.79	1.87
1.94	2.02	2.09	2.17	2.26
2.34	2.43	2.52	2.61	2.70
2.80	2.90	3.01	3.11	3.22
3.33	3.44	3.56	3.68	3.80
3.92				

6.6500	4.05	4.18	4.31	4.50
4.75				
6.9000	5.00	5.23	5.46	5.69
5.91				
7.1500	6.12	6.33	6.55	6.76
6.97				
7.4000	7.19	7.41	7.63	7.86
8.12				
7.6500	8.39	8.69	9.00	9.33
9.68				
7.9000	10.04	10.43	10.84	11.28
11.74				
8.1500	12.23	12.72	13.24	13.78
14.35				
8.4000	14.98	15.75	16.52	17.31
18.10				
8.6500	18.93	19.79	20.68	21.57
22.47				
8.9000	23.41	24.38	25.38	26.42
27.48				
9.1500	28.58	29.72	31.03	32.39
33.74				
9.4000	35.09	36.45	37.82	39.20
40.60				
9.6500	42.00	43.42	44.84	46.29
47.76				
9.9000	49.25	50.89	52.62	54.36
56.13				
10.1500	57.94	59.79	61.69	63.66
65.69				
10.4000	67.82	70.01	72.29	74.67
77.31				
10.6500	79.98	82.71	85.52	88.49
91.62				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.9000	94.91	98.39	102.05	106.11	110.42
11.1500	114.92	119.68	124.77	130.23	136.06
11.4000	142.63	149.71	157.26	165.47	174.70
11.6500	186.09	200.25	218.52	243.79	277.51
11.9000	322.68	382.71	459.12	550.46	652.43
12.1500	760.54	869.68	981.45	1093.01	1195.84
12.4000	1288.87	1375.31	1454.31	1523.05	1582.22
12.6500	1630.43	1665.98	1687.75	1696.62	1692.91
12.9000	1677.34	1651.65	1616.59	1573.74	1524.27
13.1500	1469.83	1412.70	1353.43	1294.43	1235.97
13.4000	1179.79	1125.45	1074.36	1025.80	980.61
13.6500	937.58	897.48	858.64	821.30	786.70
13.9000	754.77	725.64	698.28	672.29	648.10
14.1500	625.24	603.46	582.84	563.72	545.51
14.4000	528.18	511.71	496.52	481.64	466.89
14.6500	452.66	438.84	426.05	413.92	402.24
14.9000	391.24	380.61	370.18	360.87	352.31
15.1500	344.24	336.68	329.54	322.76	316.29
15.4000	310.11	304.29	298.75	293.35	287.99
15.6500	282.55	276.93	271.10	265.12	259.06

15.9000	253.15	247.35	241.64	236.10	230.77
16.1500	225.64	220.72	216.02	211.56	207.47
16.4000	203.52	199.73	196.09	192.63	189.34
16.6500	186.20	183.19	180.32	177.57	174.93
16.9000	172.41	170.06	167.85	165.70	163.64
17.1500	161.65	159.73	157.90	156.14	154.45
17.4000	152.83	151.30	149.83	148.43	147.08
17.6500	145.77	144.51	143.29	142.10	140.94
17.9000	139.80	138.70	137.62	136.56	135.52
18.1500	134.55	133.60	132.65	131.71	130.78
18.4000	129.86	128.95	128.04	127.15	126.26
18.6500	125.37	124.50	123.63	122.77	121.91
18.9000	121.06	120.21	119.37	118.53	117.70
19.1500	116.87	116.05	115.23	114.41	113.61
19.4000	112.82	112.02	111.23	110.44	109.65
19.6500	108.87	108.08	107.29	106.51	105.72
19.9000	104.94	104.15	103.36	102.58	101.84
20.1500	101.10	100.35	99.61	98.86	98.11
20.4000	97.35	96.58	95.82	95.08	94.36
20.6500	93.65	92.97	92.31	91.67	91.05
20.9000	90.45	89.87	89.31	88.77	88.25
21.1500	87.75	87.28	86.82	86.38	85.96
21.4000	85.56	85.18	84.82	84.47	84.13
21.6500	83.81	83.51	83.21	82.93	82.66
21.9000	82.40	82.15	81.91	81.68	81.45

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.1500	81.23	81.02	80.80	80.60 80.40
22.4000	80.20	80.00	79.81	79.62 79.43
22.6500	79.25	79.07	78.89	78.72 78.54
22.9000	78.37	78.20	78.03	77.86 77.70
23.1500	77.53	77.37	77.20	77.04 76.88
23.4000	76.72	76.55	76.39	76.23 76.08
23.6500	75.92	75.76	75.60	75.44 75.28
23.9000	75.13	74.97	74.81	74.64 74.43
24.1500	74.13	73.69	73.06	72.19 71.10
24.4000	69.86	68.47	66.97	65.39 63.78
24.6500	62.09	60.29	58.38	56.40 54.41
24.9000	52.36	50.23	47.90	45.81 43.81
25.1500	41.82	39.80	37.79	35.83 33.93
25.4000	32.08	30.30	28.57	27.12 25.73
25.6500	24.36	23.03	21.74	20.51 19.36
25.9000	18.27	17.25	16.28	15.37 14.52
26.1500	13.82	13.22	12.64	12.07 11.52
26.4000	10.99	10.47	9.97	9.49 9.02
26.6500	8.58	8.15	7.74	7.35 6.99
26.9000	6.66	6.35	6.06	5.79 5.54

27.1500	5.30	5.08	4.86	4.66	4.47
27.4000	4.34	4.25	4.15	4.06	3.97
27.6500	3.87	3.78	3.69	3.60	3.51
27.9000	3.42	3.34	3.25	3.17	3.09
28.1500	3.01	2.93	2.85	2.77	2.70
28.4000	2.63	2.56	2.49	2.42	2.36
28.6500	2.30	2.24	2.18	2.12	2.06
28.9000	2.01	1.96	1.91	1.86	1.81
29.1500	1.76	1.72	1.67	1.63	1.59
29.4000	1.55	1.51	1.48	1.44	1.40
29.6500	1.37	1.34	1.31	1.27	1.24
29.9000	1.22	1.19	1.16	1.13	1.11
30.1500	1.08	1.06	1.03	1.01	.99
30.4000	.97	.95	.93	.91	.89
30.6500	.87	.85	.83	.82	.80
30.9000	.78	.77	.75	.74	.72
31.1500	.71	.69	.68	.67	.65
31.4000	.64	.63	.61	.60	.59
31.6500	.58	.57	.56	.55	.54
31.9000	.53	.52	.51	.50	.49
32.1500	.48	.47	.46	.45	.45
32.4000	.44	.43	.42	.41	.41
32.6500	.40	.39	.39	.38	.37
32.9000	.37	.36	.35	.35	.34
33.1500	.33	.33	.32	.32	.31

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.4000	.31	.30	.30	.29
33.6500	.28	.28	.27	.27
33.9000	.26	.25	.25	.24
34.1500	.24	.23	.23	.22
34.4000	.22	.21	.21	.20
34.6500	.20	.19	.19	.19
34.9000	.18	.18	.18	.17
35.1500	.17	.16	.16	.16
35.4000	.15	.15	.15	.14
35.6500	.14	.14	.14	.13
35.9000	.13	.13	.12	.12
36.1500	.12	.12	.11	.11
36.4000	.11	.11	.10	.10
36.6500	.10	.10	.10	.09
36.9000	.09	.09	.09	.09
37.1500	.08	.08	.08	.08
37.4000	.08	.08	.07	.07
37.6500	.07	.07	.07	.07
37.9000	.06	.06	.06	.06
38.1500	.06	.06	.06	.06

38.4000	.05	.05	.05	.05
38.6500	.05	.05	.05	.05
38.9000	.05	.04	.04	.04
39.1500	.04	.04	.04	.04
39.4000	.04	.04	.04	.04
39.6500	.04	.03	.03	.03
39.9000	.03	.03	.03	.03
40.1500	.03	.03	.03	.03
40.4000	.03	.03	.03	.03
40.6500	.03	.02	.02	.02
40.9000	.02	.02	.02	.02
41.1500	.02	.02	.02	.02
41.4000	.02	.02	.02	.02
41.6500	.02	.02	.02	.02
41.9000	.02	.02	.02	.02
42.1500	.01	.01	.01	.01
42.4000	.01	.01	.01	.01
42.6500	.01	.01	.01	.01
42.9000	.01	.01	.01	.01
43.1500	.01	.01	.01	.01
43.4000	.01	.01	.01	.01
43.6500	.01	.01	.01	.01
43.9000	.01	.01	.01	.01
44.1500	.01	.01	.01	.01
44.4000	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
44.6500	.01	.01	.01	.01
44.9000	.01	.01	.01	.01
45.1500	.01	.01	.01	.01
45.4000	.01	.01	.01	.01
45.6500	.01	.01	.01	.01
45.9000	.01	.01	.01	.01
46.1500	.01	.01	.01	.01
46.4000	.01	.01	.01	.01
46.6500	.01	.01	.01	.01
46.9000	.01	.01	.01	.01
47.1500	.01	.01	.01	.01
47.4000	.01	.01	.01	.01
47.6500	.01	.01	.01	.01
47.9000	.01	.01	.01	.01
48.1500	.01	.01	.01	.01
48.4000	.01	.01	.01	.01
48.6500	.01	.01	.01	.01
48.9000	.01	.01	.01	.01
49.1500	.01	.01	.01	.01
49.4000	.01	.01	.01	.01

49.6500	.01	.01	.01	.01
.01				
49.9000	.01	.01	.01	.01
.01				
50.1500	.01	.01	.01	.01
.01				
50.4000	.01	.01	.01	.01
.01				
50.6500	.01	.01	.01	.01
.01				
50.9000	.01	.01	.01	.01
.01				
51.1500	.01	.01	.01	.01
.01				
51.4000	.01	.01	.01	.01
.01				
51.6500	.01	.01	.01	.01
.01				
51.9000	.01	.01	.01	.01
.01				
52.1500	.01	.01	.01	.01
.01				
52.4000	.01	.01	.01	.01
.01				
52.6500	.01	.01	.01	.01
.01				
52.9000	.01	.01	.01	.01
.01				
53.1500	.01	.01	.01	.01
.01				
53.4000	.01	.01	.01	.01
.01				
53.6500	.01	.01	.01	.01
.01				
53.9000	.01	.01	.01	.01
.01				
54.1500	.01	.01	.01	.01
.01				
54.4000	.01	.01	.01	.01
.01				
54.6500	.01	.01	.01	.01
.01				
54.9000	.01	.01	.01	.01
.01				
55.1500	.01	.00	.00	.00
.00				
55.4000	.00	.00	.00	.00
.00				
55.6500	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
55.9000	.00	.00	.00	.00
56.1500	.00	.00	.00	.00
56.4000	.00	.00	.00	.00
56.6500	.00	.00	.00	.00
56.9000	.00	.00	.00	.00
57.1500	.00	.00	.00	.00
57.4000	.00	.00	.00	.00
57.6500	.00	.00	.00	.00
57.9000	.00	.00	.00	.00
58.1500	.00	.00	.00	.00
58.4000	.00	.00	.00	.00
58.6500	.00	.00	.00	.00
58.9000	.00	.00	.00	.00
59.1500	.00	.00	.00	.00
59.4000	.00	.00	.00	.00
59.6500	.00	.00	.00	.00
59.9000	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J6

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 20	BASIN4	IN	ROUTE 20	15
REACH 40	J5		REACH 40	15

INFLOWS TO: J6

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
ROUTE 20	15		90257	12.4500	9.45
REACH 40	15		10744660	12.9000	1105.06

TOTAL FLOW INTO: J6

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
J6	15		10834920	12.9000	1113.83

TOTAL NODE INFLOW...
HYG file =
HYG ID = J6
HYG Tag = 15

Peak Discharge =	1113.83 cfs
Time to Peak =	12.9000 hrs
HYG Volume =	10834920 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
4.6000	.00	.00	.00	.00	.00
4.8500	.01	.01	.01	.03	.05
5.1000	.08	.10	.12	.15	.17
5.3500	.19	.22	.25	.27	.30
5.6000	.33	.36	.39	.42	.45
5.8500	.49	.52	.56	.59	.63
6.1000	.67	.71	.74	.79	.83
6.3500	.87	.91	.96	1.00	1.05
6.6000	1.10	1.14	1.19	1.24	1.29
6.8500	1.34	1.40	1.45	1.51	1.56
7.1000	1.62	1.68	1.73	1.80	1.86
7.3500	1.92	1.98	2.05	2.12	2.19
7.6000	2.26	2.33	2.40	2.48	2.55
7.8500	2.63	2.71	2.80	2.88	2.97

8.1000	3.06	3.15	3.24	3.33	3.43
8.3500	3.52	3.63	3.74	3.87	4.01
8.6000	4.16	4.32	4.56	4.86	5.14
8.8500	5.42	5.68	5.94	6.19	6.45
9.1000	6.71	6.97	7.24	7.53	7.83
9.3500	8.15	8.49	8.85	9.23	9.63
9.6000	10.06	10.51	10.98	11.48	12.00
9.8500	12.55	13.14	13.79	14.56	15.48
10.1000	16.41	17.34	18.29	19.25	20.24
10.3500	21.25	22.30	23.39	24.52	25.69
10.6000	26.92	28.25	29.84	31.52	33.23
10.8500	34.97	36.78	38.65	40.61	42.66
11.1000	44.81	47.11	49.86	52.70	55.67
11.3500	58.80	62.11	65.60	69.31	73.63
11.6000	78.35	83.61	89.80	97.35	107.50
11.8500	121.03	139.58	165.32	200.70	246.50
12.1000	303.60	370.51	443.49	518.61	592.81

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
12.3500	664.20	731.96	795.91	856.18	912.69
12.6000	963.67	1008.94	1046.55	1076.24	1097.32
12.8500	1109.74	1113.83	1110.08	1099.19	1081.84
13.1000	1058.69	1031.25	999.94	965.51	929.51
13.3500	892.01	853.57	815.80	778.91	744.37
13.6000	711.64	680.74	652.07	624.71	598.71
13.8500	573.98	550.08	527.31	505.68	485.70
14.1000	466.67	448.95	431.89	415.67	400.47
14.3500	386.49	373.27	360.87	349.23	338.46
14.6000	328.25	318.35	308.74	299.38	290.27
14.8500	281.53	272.85	264.39	256.27	248.49
15.1000	241.16	234.28	227.63	221.27	215.27
15.3500	209.63	204.29	199.30	194.69	190.26
15.6000	186.00	181.93	178.04	174.34	170.85
15.8500	167.50	164.28	161.18	158.32	155.52
16.1000	152.79	150.15	147.60	145.15	142.78
16.3500	140.50	138.31	136.23	134.24	132.33
16.6000	130.48	128.69	126.95	125.33	123.76
16.8500	122.21	120.71	119.24	117.83	116.46
17.1000	115.15	113.89	112.67	111.49	110.36

17.3500	109.27	108.21	107.19	106.21	105.26
17.6000	104.34	103.46	102.62	101.80	100.99
17.8500	100.20	99.42	98.66	97.92	97.19
18.1000	96.48	95.78	95.14	94.49	93.84
18.3500	93.20	92.56	91.93	91.31	90.69
18.6000	90.07	89.47	88.86	88.26	87.67
18.8500	87.08	86.49	85.91	85.33	84.75
19.1000	84.18	83.62	83.06	82.50	81.95
19.3500	81.40	80.85	80.30	79.75	79.21
19.6000	78.66	78.11	77.56	77.01	76.46
19.8500	75.91	75.36	74.83	74.30	73.77
20.1000	73.25	72.72	72.20	71.67	71.14
20.3500	70.62	70.10	69.58	69.09	68.61
20.6000	68.14	67.66	67.19	66.72	66.26
20.8500	65.81	65.36	64.93	64.51	64.10
21.1000	63.70	63.32	62.94	62.59	62.24
21.3500	61.91	61.59	61.28	60.99	60.70
21.6000	60.43	60.17	59.92	59.68	59.46
21.8500	59.24	59.02	58.82	58.62	58.43
22.1000	58.25	58.07	57.90	57.73	57.57
22.3500	57.42	57.26	57.11	56.97	56.82
22.6000	56.68	56.55	56.41	56.28	56.16
22.8500	56.03	55.91	55.78	55.66	55.54
23.1000	55.42	55.30	55.19	55.07	54.95
23.3500	54.84	54.72	54.61	54.49	54.38

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.6000	54.27	54.15	54.04	53.93	53.81
23.8500	53.70	53.59	53.48	53.37	53.25
24.1000	53.12	52.95	52.73	52.43	52.03
24.3500	51.53	50.92	50.22	49.46	48.62
24.6000	47.71	46.74	45.78	44.78	43.72
24.8500	42.58	41.35	40.02	38.64	37.24
25.1000	35.83	34.42	33.01	31.62	30.28
25.3500	28.98	27.78	26.69	25.57	24.44
25.6000	23.31	22.20	21.11	20.05	19.03
25.8500	18.05	17.12	16.24	15.45	14.71
26.1000	14.04	13.53	13.02	12.50	11.99
26.3500	11.49	10.99	10.50	10.03	9.57
26.6000	9.12	8.69	8.28	7.89	7.52
26.8500	7.17	6.84	6.52	6.23	5.95
27.1000	5.69	5.44	5.21	5.02	4.84
27.3500	4.68	4.53	4.40	4.32	4.25
27.6000	4.18	4.11	4.03	3.96	3.88
27.8500	3.80	3.72	3.64	3.56	3.48
28.1000	3.41	3.33	3.25	3.17	3.10
28.3500	3.02	2.95	2.88	2.80	2.73

28.6000	2.66	2.60	2.53	2.47	2.40
28.8500	2.34	2.28	2.22	2.16	2.11
29.1000	2.05	2.00	1.95	1.90	1.85
29.3500	1.80	1.76	1.71	1.67	1.63
29.6000	1.59	1.55	1.51	1.47	1.43
29.8500	1.40	1.36	1.33	1.30	1.27
30.1000	1.24	1.21	1.18	1.15	1.12
30.3500	1.10	1.07	1.05	1.02	1.00
30.6000	.98	.96	.93	.91	.89
30.8500	.87	.85	.84	.82	.80
31.1000	.78	.77	.75	.74	.72
31.3500	.71	.69	.68	.66	.65
31.6000	.64	.62	.61	.60	.59
31.8500	.58	.56	.55	.54	.53
32.1000	.52	.51	.50	.49	.48
32.3500	.47	.47	.46	.45	.44
32.6000	.43	.42	.42	.41	.40
32.8500	.39	.39	.38	.37	.37
33.1000	.36	.35	.35	.34	.33
33.3500	.33	.32	.32	.31	.31
33.6000	.30	.30	.29	.28	.28
33.8500	.27	.27	.27	.26	.26
34.1000	.25	.25	.24	.24	.23
34.3500	.23	.23	.22	.22	.21
34.6000	.21	.21	.20	.20	.20

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.8500	.19	.19	.19	.18
35.1000	.18	.17	.17	.17
35.3500	.16	.16	.16	.15
35.6000	.15	.15	.14	.14
35.8500	.14	.13	.13	.13
36.1000	.13	.12	.12	.12
36.3500	.12	.11	.11	.11
36.6000	.11	.10	.10	.10
36.8500	.10	.10	.09	.09
37.1000	.09	.09	.09	.08
37.3500	.08	.08	.08	.08
37.6000	.07	.07	.07	.07
37.8500	.07	.07	.07	.07
38.1000	.06	.06	.06	.06
38.3500	.06	.06	.06	.05
38.6000	.05	.05	.05	.05
38.8500	.05	.05	.05	.05
39.1000	.04	.04	.04	.04
39.3500	.04	.04	.04	.04
39.6000	.04	.04	.04	.04

39.8500	.03	.03	.03	.03
40.1000	.03	.03	.03	.03
40.3500	.03	.03	.03	.03
40.6000	.03	.03	.03	.03
40.8500	.02	.02	.02	.02
41.1000	.02	.02	.02	.02
41.3500	.02	.02	.02	.02
41.6000	.02	.02	.02	.02
41.8500	.02	.02	.02	.02
42.1000	.02	.02	.02	.02
42.3500	.01	.01	.01	.01
42.6000	.01	.01	.01	.01
42.8500	.01	.01	.01	.01
43.1000	.01	.01	.01	.01
43.3500	.01	.01	.01	.01
43.6000	.01	.01	.01	.01
43.8500	.01	.01	.01	.01
44.1000	.01	.01	.01	.01
44.3500	.01	.01	.01	.01
44.6000	.01	.01	.01	.01
44.8500	.01	.01	.01	.01
45.1000	.01	.01	.01	.01
45.3500	.01	.01	.01	.01
45.6000	.01	.01	.01	.01
45.8500	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
46.1000	.01	.01	.01	.01
46.3500	.01	.01	.01	.01
46.6000	.01	.01	.01	.01
46.8500	.01	.01	.01	.01
47.1000	.01	.01	.01	.01
47.3500	.01	.01	.01	.01
47.6000	.01	.01	.01	.01
47.8500	.01	.01	.01	.01
48.1000	.01	.01	.01	.01
48.3500	.01	.01	.01	.01
48.6000	.01	.01	.01	.01
48.8500	.01	.01	.01	.01
49.1000	.01	.01	.01	.01
49.3500	.01	.01	.01	.01
49.6000	.01	.01	.01	.01
49.8500	.01	.01	.01	.01
50.1000	.01	.01	.01	.01
50.3500	.01	.01	.01	.01
50.6000	.01	.01	.01	.01
50.8500	.01	.01	.01	.01

51.1000	.01	.01	.01	.01
.01				
51.3500	.01	.01	.01	.01
.01				
51.6000	.01	.01	.01	.01
.01				
51.8500	.01	.01	.01	.01
.01				
52.1000	.01	.01	.01	.01
.01				
52.3500	.01	.01	.01	.01
.01				
52.6000	.01	.01	.01	.01
.01				
52.8500	.01	.01	.01	.01
.01				
53.1000	.01	.01	.01	.01
.01				
53.3500	.01	.01	.01	.01
.01				
53.6000	.01	.01	.01	.01
.01				
53.8500	.01	.01	.01	.01
.01				
54.1000	.01	.01	.01	.01
.01				
54.3500	.01	.01	.01	.01
.01				
54.6000	.01	.01	.01	.01
.01				
54.8500	.01	.01	.01	.01
.01				
55.1000	.01	.01	.01	.01
.01				
55.3500	.01	.01	.01	.01
.01				
55.6000	.01	.01	.01	.01
.01				
55.8500	.01	.01	.01	.01
.01				
56.1000	.01	.01	.01	.01
.01				
56.3500	.01	.01	.01	.01
.01				
56.6000	.01	.01	.01	.01
.01				
56.8500	.01	.01	.01	.01
.01				
57.1000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
57.3500	.01	.01	.01	.01 .01
57.6000	.01	.01	.01	.01 .01
57.8500	.01	.01	.01	.01 .01
58.1000	.01	.01	.01	.01 .01
58.3500	.01	.01	.01	.01 .01
58.6000	.01	.01	.01	.01 .01
58.8500	.01	.01	.01	.01 .01
59.1000	.01	.01	.01	.01 .01
59.3500	.01	.01	.01	.01 .01
59.6000	.01	.00	.00	.00 .00
59.8500	.00	.00	.00	.00 .00
60.1000	.00	.00	.00	.00 .00
60.3500	.00	.00	.00	.00 .00
60.6000	.00	.00	.00	.00 .00
60.8500	.00	.00	.00	.00 .00
61.1000	.00	.00	.00	.00 .00
61.3500	.00	.00	.00	.00 .00
61.6000	.00	.00	.00	.00 .00
61.8500	.00	.00	.00	.00 .00
62.1000	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J6

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 20	BASIN4	IN	ROUTE 20	25
REACH 40	J5		REACH 40	25

INFLOWS TO: J6

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ROUTE 20	25	105179	12.5000	10.03
	REACH 40	25	12322370	12.9000	1266.55

TOTAL FLOW INTO: J6

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J6	25	12427540	12.9000	1276.07

TOTAL NODE INFLOW...
HYG file =
HYG ID = J6
HYG Tag = 25

Peak Discharge =	1276.07 cfs
Time to Peak =	12.9000 hrs
HYG Volume =	12427540 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
4.2500	.00	.00	.00	.00
4.5000	.01	.01	.01	.02
4.7500	.07	.09	.12	.14
5.0000	.19	.22	.25	.28
5.2500	.34	.37	.40	.43
5.5000	.50	.54	.57	.61
5.7500	.69	.73	.78	.82
6.0000	.91	.96	1.00	1.05
6.2500	1.15	1.21	1.26	1.31
6.5000	1.42	1.48	1.54	1.60
6.7500	1.72	1.78	1.85	1.92
7.0000	2.05	2.12	2.20	2.27
7.2500	2.43	2.51	2.59	2.67
7.5000	2.85	2.94	3.03	3.12

1.10
1.37
1.66
1.98
2.35
2.76
3.22

7.7500	3.32	3.41	3.52	3.63	3.75
8.0000	3.88	4.03	4.17	4.33	4.57
8.2500	4.85	5.12	5.37	5.60	5.83
8.5000	6.06	6.28	6.51	6.74	6.98
8.7500	7.22	7.49	7.77	8.07	8.39
9.0000	8.73	9.09	9.49	9.91	10.36
9.2500	10.84	11.35	11.89	12.45	13.06
9.5000	13.72	14.47	15.40	16.32	17.23
9.7500	18.14	19.05	19.97	20.91	21.87
10.0000	22.86	23.87	24.90	25.97	27.08
10.2500	28.27	29.68	31.15	32.64	34.14
10.5000	35.67	37.25	38.86	40.53	42.26
10.7500	44.05	45.93	48.03	50.37	52.77
11.0000	55.26	57.85	60.57	63.43	66.41
11.2500	69.54	73.14	76.92	80.89	85.08
11.5000	89.55	94.37	99.92	106.43	114.00
11.7500	123.06	135.23	151.72	174.08	204.88

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
12.0000	246.30	299.74	365.98	442.39	524.87
12.2500	609.57	693.49	774.24	851.07	924.02
12.5000	992.92	1056.75	1114.94	1165.18	1207.31
12.7500	1239.37	1261.42	1273.54	1276.07	1269.66
13.0000	1255.18	1233.47	1205.33	1171.73	1134.53
13.2500	1094.27	1052.07	1009.72	967.14	925.74
13.5000	884.95	845.18	807.08	770.75	737.35
13.7500	705.73	676.28	648.92	622.88	598.52
14.0000	575.66	553.56	532.10	511.81	492.35
14.2500	473.47	455.99	439.83	424.34	409.47
14.5000	395.60	382.67	370.51	359.16	348.52
14.7500	338.70	329.42	320.54	312.06	303.91
15.0000	295.93	288.19	280.57	272.94	265.43
15.2500	258.15	251.12	244.36	238.09	232.00
15.5000	226.11	220.48	215.14	210.10	205.29
15.7500	200.69	196.47	192.35	188.37	184.51
16.0000	180.80	177.24	173.86	170.66	167.59
16.2500	164.65	161.83	159.21	156.68	154.22
16.5000	151.85	149.56	147.36	145.23	143.18
16.7500	141.20	139.29	137.46	135.72	134.05

17.0000	132.44	130.88	129.38	127.92
126.51				
17.2500	125.23	123.96	122.72	121.51
120.34				
17.5000	119.21	118.11	117.06	116.04
115.06				
17.7500	114.11	113.19	112.30	111.43
110.58				
18.0000	109.75	108.93	108.13	107.35
106.58				
18.2500	105.82	105.07	104.34	103.63
102.94				
18.5000	102.27	101.59	100.93	100.26
99.60				
18.7500	98.93	98.25	97.57	96.90
96.23				
19.0000	95.58	94.95	94.32	93.68
93.04				
19.2500	92.40	91.76	91.12	90.49
89.86				
19.5000	89.22	88.59	87.97	87.34
86.71				
19.7500	86.09	85.46	84.84	84.22
83.60				
20.0000	82.99	82.38	81.78	81.18
80.57				
20.2500	79.97	79.37	78.78	78.19
77.60				
20.5000	77.02	76.45	75.88	75.33
74.80				
20.7500	74.29	73.80	73.31	72.84
72.37				
21.0000	71.92	71.48	71.05	70.63
70.23				
21.2500	69.84	69.47	69.12	68.80
68.47				
21.5000	68.16	67.86	67.57	67.28
67.01				
21.7500	66.75	66.49	66.25	66.01
65.79				
22.0000	65.57	65.36	65.16	64.96
64.77				
22.2500	64.58	64.40	64.23	64.05
63.89				
22.5000	63.72	63.56	63.41	63.25
63.10				
22.7500	62.95	62.80	62.66	62.51
62.37				
23.0000	62.23	62.10	61.96	61.82
61.69				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.2500	61.56	61.42	61.29	61.16	61.03
23.5000	60.90	60.77	60.64	60.52	60.39
23.7500	60.26	60.14	60.01	59.89	59.76
24.0000	59.64	59.51	59.36	59.17	58.90
24.2500	58.55	58.10	57.52	56.83	56.01
24.5000	55.10	54.10	53.03	51.89	50.68
24.7500	49.45	48.18	46.88	45.59	44.24
25.0000	42.78	41.26	39.71	38.13	36.55
25.2500	34.97	33.40	31.86	30.38	28.97
25.5000	27.69	26.51	25.33	24.14	22.97
25.7500	21.82	20.71	19.64	18.61	17.62
26.0000	16.70	15.85	15.07	14.35	13.77
26.2500	13.25	12.73	12.22	11.70	11.20
26.5000	10.71	10.23	9.76	9.30	8.86
26.7500	8.44	8.05	7.67	7.31	6.97
27.0000	6.65	6.35	6.06	5.79	5.54
27.2500	5.30	5.09	4.91	4.74	4.59
27.5000	4.45	4.35	4.28	4.21	4.14
27.7500	4.06	3.99	3.91	3.83	3.75
28.0000	3.67	3.60	3.52	3.44	3.36

28.2500	3.28	3.21	3.13	3.05
2.98				
28.5000	2.91	2.83	2.76	2.69
2.63				
28.7500	2.56	2.50	2.43	2.37
2.31				
29.0000	2.25	2.19	2.13	2.08
2.03				
29.2500	1.97	1.92	1.87	1.83
1.78				
29.5000	1.74	1.69	1.65	1.61
1.57				
29.7500	1.53	1.49	1.45	1.42
1.38				
30.0000	1.35	1.32	1.29	1.25
1.22				
30.2500	1.20	1.17	1.14	1.11
1.09				
30.5000	1.06	1.04	1.02	.99
.97				
30.7500	.95	.93	.91	.89
.87				
31.0000	.85	.83	.81	.80
.78				
31.2500	.76	.75	.73	.72
.70				
31.5000	.69	.67	.66	.65
.63				
31.7500	.62	.61	.60	.59
.57				
32.0000	.56	.55	.54	.53
.52				
32.2500	.51	.50	.49	.48
.47				
32.5000	.47	.46	.45	.44
.43				
32.7500	.42	.42	.41	.40
.39				
33.0000	.39	.38	.37	.37
.36				
33.2500	.35	.35	.34	.33
.33				
33.5000	.32	.32	.31	.31
.30				
33.7500	.30	.29	.29	.28
.28				
34.0000	.27	.27	.26	.26
.25				
34.2500	.25	.24	.24	.23
.23				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.5000	.23	.22	.22	.22 .21
34.7500	.21	.20	.20	.20 .19
35.0000	.19	.19	.18	.18 .18
35.2500	.17	.17	.17	.17 .16
35.5000	.16	.16	.15	.15 .15
35.7500	.15	.14	.14	.14 .14
36.0000	.13	.13	.13	.13 .13
36.2500	.12	.12	.12	.12 .12
36.5000	.11	.11	.11	.11 .11
36.7500	.10	.10	.10	.10 .10
37.0000	.10	.09	.09	.09 .09
37.2500	.09	.09	.08	.08 .08
37.5000	.08	.08	.08	.08 .07
37.7500	.07	.07	.07	.07 .07
38.0000	.07	.07	.07	.06 .06
38.2500	.06	.06	.06	.06 .06
38.5000	.06	.06	.05	.05 .05
38.7500	.05	.05	.05	.05 .05
39.0000	.05	.05	.05	.05 .04
39.2500	.04	.04	.04	.04 .04

39.5000	.04	.04	.04	.04
39.7500	.04	.04	.04	.04
40.0000	.03	.03	.03	.03
40.2500	.03	.03	.03	.03
40.5000	.03	.03	.03	.03
40.7500	.03	.03	.03	.02
41.0000	.02	.02	.02	.02
41.2500	.02	.02	.02	.02
41.5000	.02	.02	.02	.02
41.7500	.02	.02	.02	.02
42.0000	.02	.02	.02	.02
42.2500	.02	.02	.02	.01
42.5000	.01	.01	.01	.01
42.7500	.01	.01	.01	.01
43.0000	.01	.01	.01	.01
43.2500	.01	.01	.01	.01
43.5000	.01	.01	.01	.01
43.7500	.01	.01	.01	.01
44.0000	.01	.01	.01	.01
44.2500	.01	.01	.01	.01
44.5000	.01	.01	.01	.01
44.7500	.01	.01	.01	.01
45.0000	.01	.01	.01	.01
45.2500	.01	.01	.01	.01
45.5000	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.7500	.01	.01	.01	.01
46.0000	.01	.01	.01	.01
46.2500	.01	.01	.01	.01
46.5000	.01	.01	.01	.01
46.7500	.01	.01	.01	.01
47.0000	.01	.01	.01	.01
47.2500	.01	.01	.01	.01
47.5000	.01	.01	.01	.01
47.7500	.01	.01	.01	.01
48.0000	.01	.01	.01	.01
48.2500	.01	.01	.01	.01
48.5000	.01	.01	.01	.01
48.7500	.01	.01	.01	.01
49.0000	.01	.01	.01	.01
49.2500	.01	.01	.01	.01
49.5000	.01	.01	.01	.01
49.7500	.01	.01	.01	.01
50.0000	.01	.01	.01	.01
50.2500	.01	.01	.01	.01
50.5000	.01	.01	.01	.01

50.7500	.01	.01	.01	.01
.01				
51.0000	.01	.01	.01	.01
.01				
51.2500	.01	.01	.01	.01
.01				
51.5000	.01	.01	.01	.01
.01				
51.7500	.01	.01	.01	.01
.01				
52.0000	.01	.01	.01	.01
.01				
52.2500	.01	.01	.01	.01
.01				
52.5000	.01	.01	.01	.01
.01				
52.7500	.01	.01	.01	.01
.01				
53.0000	.01	.01	.01	.01
.01				
53.2500	.01	.01	.01	.01
.01				
53.5000	.01	.01	.01	.01
.01				
53.7500	.01	.01	.01	.01
.01				
54.0000	.01	.01	.01	.01
.01				
54.2500	.01	.01	.01	.01
.01				
54.5000	.01	.01	.01	.01
.01				
54.7500	.01	.01	.01	.01
.01				
55.0000	.01	.01	.01	.01
.01				
55.2500	.01	.01	.01	.01
.01				
55.5000	.01	.01	.01	.01
.01				
55.7500	.01	.01	.01	.01
.01				
56.0000	.01	.01	.01	.01
.01				
56.2500	.01	.01	.01	.01
.01				
56.5000	.01	.01	.01	.01
.01				
56.7500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
57.0000	.01	.01	.01	.01 .01
57.2500	.01	.01	.01	.01 .01
57.5000	.01	.01	.01	.01 .01
57.7500	.01	.01	.01	.01 .01
58.0000	.01	.01	.01	.01 .01
58.2500	.01	.01	.01	.01 .01
58.5000	.01	.01	.01	.01 .01
58.7500	.01	.01	.01	.01 .01
59.0000	.01	.01	.01	.01 .01
59.2500	.01	.01	.01	.01 .01
59.5000	.01	.01	.01	.01 .01
59.7500	.00	.00	.00	.00 .00
60.0000	.00	.00	.00	.00 .00
60.2500	.00	.00	.00	.00 .00
60.5000	.00	.00	.00	.00 .00
60.7500	.00	.00	.00	.00 .00
61.0000	.00	.00	.00	.00 .00
61.2500	.00	.00	.00	.00 .00
61.5000	.00	.00	.00	.00 .00
61.7500	.00	.00	.00	.00 .00

```
     62.0000 |         .00         .00         .00         .00
.00
     62.2500 |         .00         .00
```

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: J6

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ROUTE 20	BASIN4	IN	ROUTE 20	100
REACH 40	J5		REACH 40	100

INFLOWS TO: J6

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ROUTE 20	100	145662	12.5500	11.52
	REACH 40	100	16545610	12.8500	1689.99

TOTAL FLOW INTO: J6

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	J6	100	16691270	12.8500	1701.15

TOTAL NODE INFLOW...
HYG file =
HYG ID = J6
HYG Tag = 100

Peak Discharge =	1701.15 cfs
Time to Peak =	12.8500 hrs
HYG Volume =	16691270 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6000	.00	.00	.00	.00
3.8500	.01	.01	.01	.03
4.1000	.09	.11	.14	.17
4.3500	.23	.26	.30	.33
4.6000	.40	.44	.48	.52
4.8500	.60	.64	.69	.74
5.1000	.83	.88	.94	.99
5.3500	1.10	1.16	1.21	1.27
5.6000	1.40	1.46	1.53	1.59
5.8500	1.73	1.80	1.88	1.95
6.1000	2.11	2.19	2.28	2.36
6.3500	2.54	2.63	2.73	2.83
6.6000	3.03	3.14	3.24	3.35
6.8500	3.60	3.74	3.89	4.05

1.66	
2.03	
2.45	
2.93	
3.47	
4.22	

7.1000	4.40	4.73	5.04	5.33	5.60
7.3500	5.86	6.12	6.36	6.60	6.84
7.6000	7.08	7.32	7.58	7.85	8.13
7.8500	8.42	8.73	9.05	9.39	9.75
8.1000	10.13	10.53	10.95	11.39	11.85
8.3500	12.33	12.84	13.38	13.98	14.73
8.6000	15.56	16.39	17.22	18.07	18.93
8.8500	19.81	20.70	21.61	22.54	23.50
9.1000	24.49	25.51	26.56	27.66	28.87
9.3500	30.27	31.65	33.03	34.41	35.79
9.6000	37.18	38.58	39.98	41.39	42.82
9.8500	44.26	45.72	47.26	48.98	50.72
10.1000	52.47	54.24	56.05	57.88	59.77
10.3500	61.70	63.70	65.77	67.91	70.17
10.6000	72.68	75.26	77.90	80.61	83.41
10.8500	86.32	89.37	92.57	95.94	99.72
11.1000	103.72	107.92	112.33	117.00	121.96

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.3500	127.25	133.26	139.70	146.58	153.91
11.6000	161.92	171.41	182.66	196.49	214.52
11.8500	238.42	270.64	313.80	371.12	444.29
12.1000	532.56	633.37	741.81	854.34	969.27
12.3500	1082.16	1187.88	1285.12	1374.60	1455.02
12.6000	1525.22	1585.61	1633.88	1669.51	1691.93
12.8500	1701.15	1697.79	1682.96	1657.82	1623.90
13.1000	1581.99	1533.47	1480.75	1424.59	1366.91
13.3500	1308.90	1251.67	1196.07	1142.57	1091.74
13.6000	1043.53	998.26	955.20	914.89	875.81
13.8500	838.95	804.32	772.01	742.52	714.53
14.1000	688.12	663.72	640.37	618.09	597.33
14.3500	577.74	558.99	541.10	524.48	508.61
14.6000	493.11	477.96	463.33	449.41	435.95
14.8500	422.96	410.66	399.03	387.79	377.50
15.1000	367.89	358.92	350.52	342.73	335.48
15.3500	328.54	321.88	315.53	309.50	303.74
15.6000	298.15	292.65	287.30	281.76	276.05
15.8500	270.18	264.24	258.33	252.49	246.74
16.1000	241.24	235.95	230.77	225.75	220.93

16.3500	216.35	212.02	207.90	203.96
200.21				
16.6000	196.76	193.40	190.17	187.06
184.08				
16.8500	181.22	178.48	175.87	173.40
171.06				
17.1000	168.82	166.66	164.60	162.61
160.74				
17.3500	158.98	157.26	155.60	154.00
152.47				
17.6000	151.00	149.58	148.22	146.90
145.63				
17.8500	144.39	143.19	142.02	140.88
139.77				
18.1000	138.68	137.62	136.60	135.61
134.63				
18.3500	133.67	132.72	131.78	130.85
129.93				
18.6000	129.02	128.12	127.22	126.34
125.50				
18.8500	124.65	123.79	122.94	122.08
121.23				
19.1000	120.39	119.54	118.70	117.86
117.03				
19.3500	116.21	115.39	114.58	113.77
112.97				
19.6000	112.17	111.37	110.57	109.78
108.98				
19.8500	108.19	107.39	106.60	105.81
105.01				
20.1000	104.23	103.46	102.70	101.94
101.19				
20.3500	100.43	99.68	98.92	98.16
97.40				
20.6000	96.65	95.92	95.24	94.57
93.90				
20.8500	93.25	92.61	91.99	91.39
90.80				
21.1000	90.24	89.70	89.17	88.67
88.19				
21.3500	87.73	87.28	86.86	86.45
86.06				
21.6000	85.69	85.34	85.00	84.67
84.36				
21.8500	84.06	83.77	83.49	83.23
82.97				
22.1000	82.73	82.49	82.26	82.03
81.81				
22.3500	81.60	81.39	81.18	80.98
80.78				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.6000	80.59	80.40	80.21	80.02	79.84
22.8500	79.66	79.48	79.30	79.13	78.96
23.1000	78.79	78.62	78.45	78.28	78.11
23.3500	77.95	77.78	77.62	77.46	77.29
23.6000	77.13	76.97	76.81	76.65	76.49
23.8500	76.33	76.17	76.01	75.85	75.69
24.1000	75.49	75.24	74.91	74.46	73.86
24.3500	73.09	72.15	71.07	69.84	68.52
24.6000	67.18	65.73	64.18	62.53	60.78
24.8500	58.94	57.04	55.08	53.02	50.91
25.1000	48.83	46.77	44.90	43.03	41.11
25.3500	39.20	37.29	35.41	33.58	31.81
25.6000	30.16	28.58	27.24	25.95	24.67
25.8500	23.42	22.20	21.02	19.90	18.82
26.1000	17.79	16.83	15.96	15.16	14.41
26.3500	13.81	13.28	12.75	12.23	11.72
26.6000	11.21	10.71	10.23	9.76	9.30
26.8500	8.86	8.44	8.04	7.67	7.31
27.1000	6.97	6.65	6.35	6.06	5.80
27.3500	5.54	5.31	5.10	4.91	4.75

27.6000	4.60	4.46	4.35	4.28	4.21
27.8500	4.14	4.07	3.99	3.92	3.84
28.1000	3.76	3.68	3.60	3.52	3.45
28.3500	3.37	3.29	3.21	3.14	3.06
28.6000	2.99	2.92	2.84	2.77	2.71
28.8500	2.64	2.57	2.51	2.44	2.38
29.1000	2.32	2.26	2.20	2.15	2.09
29.3500	2.04	1.99	1.94	1.89	1.84
29.6000	1.80	1.75	1.71	1.66	1.62
29.8500	1.58	1.54	1.51	1.47	1.43
30.1000	1.40	1.37	1.33	1.30	1.27
30.3500	1.24	1.21	1.18	1.16	1.13
30.6000	1.11	1.08	1.06	1.03	1.01
30.8500	.99	.97	.94	.92	.90
31.1000	.89	.87	.85	.83	.81
31.3500	.80	.78	.76	.75	.73
31.6000	.72	.70	.69	.67	.66
31.8500	.65	.64	.62	.61	.60
32.1000	.59	.58	.57	.55	.54
32.3500	.53	.52	.51	.50	.49
32.6000	.49	.48	.47	.46	.45
32.8500	.44	.43	.43	.42	.41
33.1000	.40	.40	.39	.38	.38
33.3500	.37	.36	.36	.35	.34
33.6000	.34	.33	.33	.32	.31

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.8500	.31	.30	.30	.29
34.1000	.28	.28	.27	.27
34.3500	.26	.25	.25	.25
34.6000	.24	.23	.23	.22
34.8500	.22	.21	.21	.21
35.1000	.20	.20	.19	.19
35.3500	.18	.18	.18	.17
35.6000	.17	.16	.16	.16
35.8500	.15	.15	.15	.15
36.1000	.14	.14	.14	.13
36.3500	.13	.13	.12	.12
36.6000	.12	.12	.11	.11
36.8500	.11	.11	.10	.10
37.1000	.10	.10	.10	.09
37.3500	.09	.09	.09	.09
37.6000	.08	.08	.08	.08
37.8500	.08	.08	.07	.07
38.1000	.07	.07	.07	.07
38.3500	.06	.06	.06	.06
38.6000	.06	.06	.06	.06

38.8500	.05	.05	.05	.05
39.1000	.05	.05	.05	.05
39.3500	.05	.05	.04	.04
39.6000	.04	.04	.04	.04
39.8500	.04	.04	.04	.04
40.1000	.04	.03	.03	.03
40.3500	.03	.03	.03	.03
40.6000	.03	.03	.03	.03
40.8500	.03	.03	.03	.03
41.1000	.03	.02	.02	.02
41.3500	.02	.02	.02	.02
41.6000	.02	.02	.02	.02
41.8500	.02	.02	.02	.02
42.1000	.02	.02	.02	.02
42.3500	.02	.02	.02	.02
42.6000	.01	.01	.01	.01
42.8500	.01	.01	.01	.01
43.1000	.01	.01	.01	.01
43.3500	.01	.01	.01	.01
43.6000	.01	.01	.01	.01
43.8500	.01	.01	.01	.01
44.1000	.01	.01	.01	.01
44.3500	.01	.01	.01	.01
44.6000	.01	.01	.01	.01
44.8500	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.1000	.01	.01	.01	.01
45.3500	.01	.01	.01	.01
45.6000	.01	.01	.01	.01
45.8500	.01	.01	.01	.01
46.1000	.01	.01	.01	.01
46.3500	.01	.01	.01	.01
46.6000	.01	.01	.01	.01
46.8500	.01	.01	.01	.01
47.1000	.01	.01	.01	.01
47.3500	.01	.01	.01	.01
47.6000	.01	.01	.01	.01
47.8500	.01	.01	.01	.01
48.1000	.01	.01	.01	.01
48.3500	.01	.01	.01	.01
48.6000	.01	.01	.01	.01
48.8500	.01	.01	.01	.01
49.1000	.01	.01	.01	.01
49.3500	.01	.01	.01	.01
49.6000	.01	.01	.01	.01
49.8500	.01	.01	.01	.01

50.1000	.01	.01	.01	.01
.01				
50.3500	.01	.01	.01	.01
.01				
50.6000	.01	.01	.01	.01
.01				
50.8500	.01	.01	.01	.01
.01				
51.1000	.01	.01	.01	.01
.01				
51.3500	.01	.01	.01	.01
.01				
51.6000	.01	.01	.01	.01
.01				
51.8500	.01	.01	.01	.01
.01				
52.1000	.01	.01	.01	.01
.01				
52.3500	.01	.01	.01	.01
.01				
52.6000	.01	.01	.01	.01
.01				
52.8500	.01	.01	.01	.01
.01				
53.1000	.01	.01	.01	.01
.01				
53.3500	.01	.01	.01	.01
.01				
53.6000	.01	.01	.01	.01
.01				
53.8500	.01	.01	.01	.01
.01				
54.1000	.01	.01	.01	.01
.01				
54.3500	.01	.01	.01	.01
.01				
54.6000	.01	.01	.01	.01
.01				
54.8500	.01	.01	.01	.01
.01				
55.1000	.01	.01	.01	.01
.01				
55.3500	.01	.01	.01	.01
.01				
55.6000	.01	.01	.01	.01
.01				
55.8500	.01	.01	.01	.01
.01				
56.1000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
56.3500	.01	.01	.01	.01
56.6000	.01	.01	.01	.01
56.8500	.01	.01	.01	.01
57.1000	.01	.01	.01	.01
57.3500	.01	.01	.01	.01
57.6000	.01	.01	.01	.01
57.8500	.01	.01	.01	.01
58.1000	.01	.01	.01	.01
58.3500	.01	.01	.01	.01
58.6000	.01	.01	.01	.01
58.8500	.01	.01	.01	.01
59.1000	.01	.01	.01	.01
59.3500	.01	.01	.01	.01
59.6000	.01	.01	.01	.01
59.8500	.01	.01	.01	.00
60.1000	.00	.00	.00	.00
60.3500	.00	.00	.00	.00
60.6000	.00	.00	.00	.00
60.8500	.00	.00	.00	.00
61.1000	.00	.00	.00	.00

61.3500	.00	.00	.00	.00
.00				
61.6000	.00	.00	.00	.00
.00				
61.8500	.00	.00	.00	.00
.00				
62.1000	.00	.00	.00	.00
.00				
62.3500	.00	.00	.00	.00
.00				

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUT1

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
REACH 60	J6		REACH 60	15
ADDLINK 110	BYPASS2		BYPASS2	15

INFLOWS TO: OUT1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	REACH 60	15	10834860	13.0000	1102.61
	BYPASS2	15	1339369	12.1500	345.44

TOTAL FLOW INTO: OUT1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	OUT1	15	12174230	12.9500	1150.20

TOTAL NODE INFLOW...
HYG file =
HYG ID = OUT1
HYG Tag = 15

Peak Discharge =	1150.20 cfs
Time to Peak =	12.9500 hrs
HYG Volume =	12174230 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
5.0500	.00	.00	.00	.00
5.3000	.00	.01	.01	.01
5.5500	.04	.06	.09	.11
5.8000	.15	.18	.20	.23
6.0500	.28	.31	.34	.37
6.3000	.43	.46	.50	.53
6.5500	.60	.64	.68	.71
6.8000	.79	.83	.87	.92
7.0500	1.00	1.05	1.10	1.14
7.3000	1.24	1.29	1.34	1.39
7.5500	1.50	1.56	1.63	1.70
7.8000	1.87	1.97	2.08	2.19
8.0500	2.42	2.54	2.67	2.80
8.3000	3.07	3.22	3.37	3.53

1.19
1.45
1.78
2.30
2.93
3.69

8.5500	3.86	4.04	4.23	4.43	4.65
8.8000	4.89	5.13	5.40	5.67	5.96
9.0500	6.26	6.59	7.07	7.53	7.99
9.3000	8.43	8.87	9.31	9.74	10.18
9.5500	10.63	11.09	11.56	12.06	12.59
9.8000	13.15	13.73	14.36	15.02	15.72
10.0500	16.49	17.32	18.21	19.15	20.26
10.3000	21.51	22.79	24.09	25.42	26.79
10.5500	28.19	29.65	31.16	32.76	34.49
10.8000	36.32	38.27	40.54	42.90	45.32
11.0500	47.83	50.44	53.19	56.15	59.38
11.3000	62.86	66.84	71.13	75.64	80.49
11.5500	86.07	93.17	102.89	117.05	136.79
11.8000	164.00	201.95	255.06	322.74	399.68
12.0500	474.80	540.27	592.34	631.70	663.10
12.3000	693.36	727.60	768.17	814.37	863.12
12.5500	912.09	959.34	1004.11	1044.49	1079.65

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
12.8000	1108.10	1129.84	1143.91	1150.20	1148.99
13.0500	1140.72	1125.92	1105.36	1080.06	1050.98
13.3000	1018.58	983.76	947.80	910.52	873.09
13.5500	836.59	801.02	767.37	735.24	704.69
13.8000	676.12	648.66	622.44	597.66	573.71
14.0500	550.92	529.74	509.50	490.23	472.23
14.3000	455.14	438.92	423.63	409.58	396.28
14.5500	383.70	371.84	360.65	350.21	340.05
14.8000	330.16	320.56	311.21	302.32	293.66
15.0500	285.18	276.96	269.07	261.52	254.48
15.3000	247.73	241.24	235.02	229.10	223.49
15.5500	218.19	213.23	208.60	204.12	199.80
15.8000	195.65	191.68	187.87	184.22	180.72
16.0500	177.37	174.16	171.20	168.32	165.52
16.3000	162.80	160.19	157.66	155.24	152.91
16.5500	150.68	148.53	146.47	144.47	142.56
16.8000	140.72	138.95	137.25	135.67	134.11
17.0500	132.58	131.08	129.63	128.22	126.85
17.3000	125.53	124.25	123.01	121.81	120.64
17.5500	119.52	118.43	117.37	116.36	115.38

17.8000	114.42	113.50	112.59	111.70	110.84
18.0500	109.99	109.16	108.34	107.55	106.78
18.3000	106.03	105.29	104.60	103.91	103.21
18.5500	102.52	101.83	101.15	100.46	99.78
18.8000	99.11	98.44	97.77	97.11	96.44
19.0500	95.79	95.13	94.49	93.84	93.20
19.3000	92.57	91.94	91.31	90.69	90.06
19.5500	89.44	88.82	88.20	87.58	86.96
19.8000	86.34	85.72	85.11	84.49	83.88
20.0500	83.27	82.67	82.07	81.48	80.90
20.3000	80.32	79.76	79.20	78.65	78.11
20.5500	77.58	77.06	76.55	76.04	75.58
20.8000	75.12	74.65	74.19	73.73	73.27
21.0500	72.82	72.38	71.95	71.53	71.12
21.3000	70.72	70.33	69.95	69.59	69.24
21.5500	68.90	68.57	68.26	67.96	67.66
21.8000	67.38	67.11	66.85	66.60	66.36
22.0500	66.13	65.91	65.69	65.48	65.28
22.3000	65.08	64.89	64.71	64.53	64.35
22.5500	64.18	64.01	63.85	63.69	63.53
22.8000	63.38	63.23	63.09	62.94	62.80
23.0500	62.66	62.52	62.39	62.25	62.12
23.3000	61.98	61.85	61.72	61.59	61.46
23.5500	61.33	61.20	61.07	60.94	60.81
23.8000	60.69	60.56	60.43	60.31	60.16

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
24.0500	59.93	59.55	58.95	58.10	57.09
24.3000	56.04	55.02	54.06	53.18	52.33
24.5500	51.51	50.67	49.80	48.91	48.00
24.8000	47.07	46.14	45.20	44.19	43.10
25.0500	41.95	40.74	39.48	38.19	36.88
25.3000	35.55	34.23	32.92	31.65	30.42
25.5500	29.21	28.05	27.04	26.01	24.98
25.8000	23.94	22.91	21.90	20.90	19.94
26.0500	19.01	18.13	17.30	16.53	15.81
26.3000	15.13	14.49	13.92	13.46	12.99
26.5500	12.52	12.05	11.59	11.13	10.68
26.8000	10.25	9.82	9.40	9.00	8.62
27.0500	8.25	7.89	7.55	7.22	6.91
27.3000	6.62	6.34	6.09	5.85	5.63
27.5500	5.43	5.25	5.09	4.94	4.80
27.8000	4.67	4.55	4.43	4.35	4.29
28.0500	4.23	4.17	4.11	4.05	3.98
28.3000	3.92	3.85	3.78	3.72	3.65
28.5500	3.58	3.51	3.44	3.38	3.31
28.8000	3.24	3.17	3.11	3.04	2.97

29.0500	2.91	2.85	2.78	2.72	2.66
29.3000	2.60	2.54	2.48	2.42	2.37
29.5500	2.31	2.26	2.20	2.15	2.10
29.8000	2.05	2.00	1.95	1.90	1.86
30.0500	1.81	1.77	1.73	1.69	1.65
30.3000	1.61	1.57	1.53	1.49	1.46
30.5500	1.42	1.39	1.36	1.33	1.29
30.8000	1.26	1.24	1.21	1.18	1.15
31.0500	1.12	1.10	1.07	1.05	1.03
31.3000	1.00	.98	.96	.94	.92
31.5500	.90	.88	.86	.84	.82
31.8000	.80	.79	.77	.75	.74
32.0500	.72	.71	.69	.68	.66
32.3000	.65	.64	.62	.61	.60
32.5500	.59	.58	.56	.55	.54
32.8000	.53	.52	.51	.50	.49
33.0500	.48	.47	.46	.46	.45
33.3000	.44	.43	.42	.41	.41
33.5500	.40	.39	.38	.38	.37
33.8000	.36	.36	.35	.34	.34
34.0500	.33	.33	.32	.31	.31
34.3000	.30	.30	.29	.29	.28
34.5500	.28	.27	.27	.26	.26
34.8000	.25	.25	.24	.24	.24
35.0500	.23	.23	.22	.22	.22

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
35.3000	.21	.21	.20	.20
35.5500	.19	.19	.19	.18
35.8000	.18	.17	.17	.17
36.0500	.16	.16	.16	.15
36.3000	.15	.15	.14	.14
36.5500	.14	.13	.13	.13
36.8000	.13	.12	.12	.12
37.0500	.12	.11	.11	.11
37.3000	.11	.10	.10	.10
37.5500	.10	.10	.09	.09
37.8000	.09	.09	.09	.08
38.0500	.08	.08	.08	.08
38.3000	.07	.07	.07	.07
38.5500	.07	.07	.07	.07
38.8000	.06	.06	.06	.06
39.0500	.06	.06	.06	.05
39.3000	.05	.05	.05	.05
39.5500	.05	.05	.05	.05
39.8000	.04	.04	.04	.04
40.0500	.04	.04	.04	.04

40.3000	.04	.04	.04	.04
40.5500	.03	.03	.03	.03
40.8000	.03	.03	.03	.03
41.0500	.03	.03	.03	.03
41.3000	.03	.03	.03	.02
41.5500	.02	.02	.02	.02
41.8000	.02	.02	.02	.02
42.0500	.02	.02	.02	.02
42.3000	.02	.02	.02	.02
42.5500	.02	.02	.02	.02
42.8000	.02	.02	.02	.01
43.0500	.01	.01	.01	.01
43.3000	.01	.01	.01	.01
43.5500	.01	.01	.01	.01
43.8000	.01	.01	.01	.01
44.0500	.01	.01	.01	.01
44.3000	.01	.01	.01	.01
44.5500	.01	.01	.01	.01
44.8000	.01	.01	.01	.01
45.0500	.01	.01	.01	.01
45.3000	.01	.01	.01	.01
45.5500	.01	.01	.01	.01
45.8000	.01	.01	.01	.01
46.0500	.01	.01	.01	.01
46.3000	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
46.5500	.01	.01	.01	.01
46.8000	.01	.01	.01	.01
47.0500	.01	.01	.01	.01
47.3000	.01	.01	.01	.01
47.5500	.01	.01	.01	.01
47.8000	.01	.01	.01	.01
48.0500	.01	.01	.01	.01
48.3000	.01	.01	.01	.01
48.5500	.01	.01	.01	.01
48.8000	.01	.01	.01	.01
49.0500	.01	.01	.01	.01
49.3000	.01	.01	.01	.01
49.5500	.01	.01	.01	.01
49.8000	.01	.01	.01	.01
50.0500	.01	.01	.01	.01
50.3000	.01	.01	.01	.01
50.5500	.01	.01	.01	.01
50.8000	.01	.01	.01	.01
51.0500	.01	.01	.01	.01
51.3000	.01	.01	.01	.01

51.5500	.01	.01	.01	.01
.01				
51.8000	.01	.01	.01	.01
.01				
52.0500	.01	.01	.01	.01
.01				
52.3000	.01	.01	.01	.01
.01				
52.5500	.01	.01	.01	.01
.01				
52.8000	.01	.01	.01	.01
.01				
53.0500	.01	.01	.01	.01
.01				
53.3000	.01	.01	.01	.01
.01				
53.5500	.01	.01	.01	.01
.01				
53.8000	.01	.01	.01	.01
.01				
54.0500	.01	.01	.01	.01
.01				
54.3000	.01	.01	.01	.01
.01				
54.5500	.01	.01	.01	.01
.01				
54.8000	.01	.01	.01	.01
.01				
55.0500	.01	.01	.01	.01
.01				
55.3000	.01	.01	.01	.01
.01				
55.5500	.01	.01	.01	.01
.01				
55.8000	.01	.01	.01	.01
.01				
56.0500	.01	.01	.01	.01
.01				
56.3000	.01	.01	.01	.01
.01				
56.5500	.01	.01	.01	.01
.01				
56.8000	.01	.01	.01	.01
.01				
57.0500	.01	.01	.01	.01
.01				
57.3000	.01	.01	.01	.01
.01				
57.5500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
57.8000	.01	.01	.01	.01 .01
58.0500	.01	.01	.01	.01 .01
58.3000	.01	.01	.01	.01 .01
58.5500	.01	.01	.01	.01 .01
58.8000	.01	.01	.01	.01 .01
59.0500	.01	.01	.01	.01 .01
59.3000	.01	.01	.01	.01 .01
59.5500	.01	.01	.01	.01 .01
59.8000	.01	.01	.01	.01 .01
60.0500	.01	.01	.01	.01 .01
60.3000	.01	.01	.01	.01 .01
60.5500	.01	.01	.01	.01 .01
60.8000	.01	.01	.01	.01 .01
61.0500	.01	.01	.01	.01 .01
61.3000	.01	.01	.01	.01 .01
61.5500	.01	.01	.01	.01 .01
61.8000	.01	.01	.01	.01 .01
62.0500	.01	.01	.01	.01 .01
62.3000	.01	.01	.01	.01 .01
62.5500	.01	.01	.01	.01 .01

62.8000	.01	.01	.01	.01
63.0500	.01	.01	.01	.01
63.3000	.01	.01	.01	.01
63.5500	.01	.01	.01	.01
63.8000	.00	.00	.00	.00
64.0500	.00	.00	.00	.00
64.3000	.00	.00	.00	.00
64.5500	.00	.00	.00	.00
64.8000	.00	.00	.00	.00
65.0500	.00	.00	.00	.00
65.3000	.00	.00	.00	.00
65.5500	.00	.00	.00	.00
65.8000	.00	.00	.00	.00
66.0500	.00	.00	.00	.00
66.3000	.00	.00	.00	.00
66.5500	.00	.00	.00	.00
66.8000	.00	.00	.00	.00
67.0500	.00	.00	.00	.00
67.3000	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUT1

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
REACH 60	J6		REACH 60	25
ADDLINK 110	BYPASS2		BYPASS2	25

INFLOWS TO: OUT1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	REACH 60	25	12427490	12.9500	1263.42
	BYPASS2	25	1540566	12.1500	397.19

TOTAL FLOW INTO: OUT1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	OUT1	25	13968050	12.9500	1319.25

TOTAL NODE INFLOW...
HYG file =
HYG ID = OUT1
HYG Tag = 25

Peak Discharge =	1319.25 cfs
Time to Peak =	12.9500 hrs
HYG Volume =	13968050 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
4.7500	.00	.00	.00	.00	.00
5.0000	.01	.01	.01	.02	.04
5.2500	.06	.08	.11	.13	.15
5.5000	.18	.21	.23	.26	.29
5.7500	.32	.35	.38	.41	.45
6.0000	.48	.52	.55	.59	.63
6.2500	.67	.71	.75	.79	.83
6.5000	.87	.92	.96	1.01	1.06
6.7500	1.11	1.16	1.21	1.26	1.31
7.0000	1.37	1.42	1.48	1.55	1.62
7.2500	1.70	1.79	1.89	1.99	2.11
7.5000	2.23	2.35	2.48	2.61	2.74
7.7500	2.88	3.02	3.17	3.31	3.46
8.0000	3.61	3.77	3.94	4.11	4.29

8.2500	4.49	4.70	4.93	5.17	5.42
8.5000	5.69	5.96	6.24	6.67	7.12
8.7500	7.55	7.98	8.41	8.84	9.29
9.0000	9.73	10.20	10.67	11.15	11.65
9.2500	12.17	12.69	13.23	13.79	14.36
9.5000	14.96	15.59	16.27	17.01	17.81
9.7500	18.65	19.63	20.78	21.94	23.12
10.0000	24.32	25.53	26.77	28.04	29.34
10.2500	30.69	32.11	33.62	35.20	36.86
10.5000	38.77	40.75	42.76	44.81	46.92
10.7500	49.10	51.37	53.75	56.26	58.94
11.0000	61.79	65.00	68.33	71.80	75.48
11.2500	79.37	83.56	88.09	92.98	98.49
11.5000	104.37	111.07	119.53	131.12	147.62
11.7500	171.18	203.43	248.19	310.18	389.12
12.0000	478.41	565.54	641.53	701.94	747.28
12.2500	782.93	816.85	855.29	900.65	952.30

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
12.5000	1006.94	1062.10	1115.45	1165.07	1210.01
12.7500	1248.28	1279.12	1301.26	1314.66	1319.25
13.0000	1315.36	1303.52	1284.36	1258.64	1227.44
13.2500	1192.00	1153.80	1113.19	1071.56	1029.81
13.5000	987.94	947.10	906.82	867.93	830.88
13.7500	795.51	762.68	731.48	702.13	674.75
14.0000	648.70	624.04	600.78	578.28	556.67
14.2500	536.39	516.83	498.26	480.83	464.51
14.5000	448.85	433.98	420.02	407.14	394.89
14.7500	383.32	372.44	362.22	352.76	343.63
15.0000	334.82	326.28	317.98	309.86	302.13
15.2500	294.45	286.87	279.47	272.30	265.41
15.5000	258.84	252.65	246.62	240.81	235.22
15.7500	229.87	224.76	219.90	215.25	210.95
16.0000	206.75	202.67	198.72	194.92	191.29
16.2500	187.82	184.50	181.34	178.35	175.49
16.5000	172.83	170.29	167.82	165.42	163.10
16.7500	160.84	158.66	156.55	154.52	152.57
17.0000	150.69	148.87	147.12	145.43	143.80
17.2500	142.23	140.73	139.28	137.91	136.61

17.5000	135.34	134.09	132.87	131.68	130.52
17.7500	129.40	128.31	127.25	126.22	125.22
18.0000	124.25	123.29	122.36	121.44	120.54
18.2500	119.66	118.80	117.95	117.11	116.29
18.5000	115.49	114.70	113.93	113.16	112.40
18.7500	111.65	110.90	110.14	109.39	108.64
19.0000	107.89	107.15	106.42	105.69	104.98
19.2500	104.30	103.61	102.91	102.21	101.51
19.5000	100.80	100.10	99.39	98.68	97.98
19.7500	97.27	96.57	95.86	95.16	94.46
20.0000	93.76	93.07	92.38	91.69	91.02
20.2500	90.35	89.70	89.05	88.41	87.79
20.5000	87.17	86.55	85.95	85.35	84.77
20.7500	84.20	83.64	83.10	82.57	82.05
21.0000	81.55	81.05	80.57	80.10	79.64
21.2500	79.20	78.77	78.35	77.95	77.57
21.5000	77.20	76.85	76.51	76.20	75.90
21.7500	75.60	75.30	75.02	74.74	74.47
22.0000	74.21	73.95	73.71	73.47	73.24
22.2500	73.02	72.80	72.59	72.38	72.18
22.5000	71.98	71.79	71.61	71.43	71.25
22.7500	71.07	70.90	70.73	70.56	70.40
23.0000	70.23	70.07	69.91	69.76	69.60
23.2500	69.45	69.30	69.15	69.00	68.85
23.5000	68.70	68.55	68.41	68.26	68.12

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.7500	67.97	67.83	67.69	67.54	67.40
24.0000	67.24	66.98	66.56	65.87	64.92
24.2500	63.79	62.61	61.46	60.38	59.37
24.5000	58.41	57.45	56.48	55.47	54.42
24.7500	53.33	52.20	51.03	49.84	48.61
25.0000	47.33	46.06	44.81	43.49	42.12
25.2500	40.69	39.24	37.76	36.28	34.81
25.5000	33.36	31.96	30.62	29.30	28.05
25.7500	26.97	25.88	24.79	23.71	22.65
26.0000	21.60	20.58	19.61	18.68	17.80
26.2500	16.98	16.22	15.50	14.83	14.19
26.5000	13.69	13.22	12.74	12.27	11.80
26.7500	11.34	10.88	10.44	10.00	9.58
27.0000	9.17	8.78	8.40	8.04	7.69
27.2500	7.35	7.04	6.74	6.46	6.19
27.5000	5.95	5.72	5.51	5.33	5.16
27.7500	5.00	4.86	4.72	4.60	4.48
28.0000	4.37	4.32	4.26	4.20	4.14
28.2500	4.07	4.01	3.94	3.88	3.81
28.5000	3.74	3.68	3.61	3.54	3.47

28.7500	3.40	3.34	3.27	3.20
3.14				
29.0000	3.07	3.00	2.94	2.87
2.81				
29.2500	2.75	2.69	2.63	2.57
2.51				
29.5000	2.45	2.39	2.34	2.28
2.23				
29.7500	2.18	2.12	2.07	2.02
1.98				
30.0000	1.93	1.88	1.84	1.79
1.75				
30.2500	1.71	1.67	1.63	1.59
1.55				
30.5000	1.52	1.48	1.44	1.41
1.38				
30.7500	1.34	1.31	1.28	1.25
1.22				
31.0000	1.20	1.17	1.14	1.12
1.09				
31.2500	1.07	1.04	1.02	1.00
.97				
31.5000	.95	.93	.91	.89
.87				
31.7500	.85	.83	.82	.80
.78				
32.0000	.77	.75	.73	.72
.70				
32.2500	.69	.68	.66	.65
.64				
32.5000	.62	.61	.60	.59
.57				
32.7500	.56	.55	.54	.53
.52				
33.0000	.51	.50	.49	.48
.47				
33.2500	.46	.45	.45	.44
.43				
33.5000	.42	.41	.41	.40
.39				
33.7500	.38	.38	.37	.36
.36				
34.0000	.35	.34	.34	.33
.33				
34.2500	.32	.31	.31	.30
.30				
34.5000	.29	.29	.28	.28
.27				
34.7500	.27	.26	.26	.25
.25				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
35.0000	.24	.24	.24	.23
35.2500	.22	.22	.22	.21
35.5000	.20	.20	.20	.19
35.7500	.19	.18	.18	.18
36.0000	.17	.17	.17	.16
36.2500	.16	.15	.15	.15
36.5000	.14	.14	.14	.14
36.7500	.13	.13	.13	.13
37.0000	.12	.12	.12	.12
37.2500	.11	.11	.11	.11
37.5000	.10	.10	.10	.10
37.7500	.09	.09	.09	.09
38.0000	.09	.08	.08	.08
38.2500	.08	.08	.08	.07
38.5000	.07	.07	.07	.07
38.7500	.07	.07	.06	.06
39.0000	.06	.06	.06	.06
39.2500	.06	.05	.05	.05
39.5000	.05	.05	.05	.05
39.7500	.05	.05	.05	.04

40.0000	.04	.04	.04	.04
40.2500	.04	.04	.04	.04
40.5000	.04	.04	.04	.03
40.7500	.03	.03	.03	.03
41.0000	.03	.03	.03	.03
41.2500	.03	.03	.03	.03
41.5000	.03	.03	.02	.02
41.7500	.02	.02	.02	.02
42.0000	.02	.02	.02	.02
42.2500	.02	.02	.02	.02
42.5000	.02	.02	.02	.02
42.7500	.02	.02	.02	.02
43.0000	.02	.02	.01	.01
43.2500	.01	.01	.01	.01
43.5000	.01	.01	.01	.01
43.7500	.01	.01	.01	.01
44.0000	.01	.01	.01	.01
44.2500	.01	.01	.01	.01
44.5000	.01	.01	.01	.01
44.7500	.01	.01	.01	.01
45.0000	.01	.01	.01	.01
45.2500	.01	.01	.01	.01
45.5000	.01	.01	.01	.01
45.7500	.01	.01	.01	.01
46.0000	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
46.2500	.01	.01	.01	.01
46.5000	.01	.01	.01	.01
46.7500	.01	.01	.01	.01
47.0000	.01	.01	.01	.01
47.2500	.01	.01	.01	.01
47.5000	.01	.01	.01	.01
47.7500	.01	.01	.01	.01
48.0000	.01	.01	.01	.01
48.2500	.01	.01	.01	.01
48.5000	.01	.01	.01	.01
48.7500	.01	.01	.01	.01
49.0000	.01	.01	.01	.01
49.2500	.01	.01	.01	.01
49.5000	.01	.01	.01	.01
49.7500	.01	.01	.01	.01
50.0000	.01	.01	.01	.01
50.2500	.01	.01	.01	.01
50.5000	.01	.01	.01	.01
50.7500	.01	.01	.01	.01
51.0000	.01	.01	.01	.01

51.2500	.01	.01	.01	.01
.01				
51.5000	.01	.01	.01	.01
.01				
51.7500	.01	.01	.01	.01
.01				
52.0000	.01	.01	.01	.01
.01				
52.2500	.01	.01	.01	.01
.01				
52.5000	.01	.01	.01	.01
.01				
52.7500	.01	.01	.01	.01
.01				
53.0000	.01	.01	.01	.01
.01				
53.2500	.01	.01	.01	.01
.01				
53.5000	.01	.01	.01	.01
.01				
53.7500	.01	.01	.01	.01
.01				
54.0000	.01	.01	.01	.01
.01				
54.2500	.01	.01	.01	.01
.01				
54.5000	.01	.01	.01	.01
.01				
54.7500	.01	.01	.01	.01
.01				
55.0000	.01	.01	.01	.01
.01				
55.2500	.01	.01	.01	.01
.01				
55.5000	.01	.01	.01	.01
.01				
55.7500	.01	.01	.01	.01
.01				
56.0000	.01	.01	.01	.01
.01				
56.2500	.01	.01	.01	.01
.01				
56.5000	.01	.01	.01	.01
.01				
56.7500	.01	.01	.01	.01
.01				
57.0000	.01	.01	.01	.01
.01				
57.2500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
57.5000	.01	.01	.01	.01
57.7500	.01	.01	.01	.01
58.0000	.01	.01	.01	.01
58.2500	.01	.01	.01	.01
58.5000	.01	.01	.01	.01
58.7500	.01	.01	.01	.01
59.0000	.01	.01	.01	.01
59.2500	.01	.01	.01	.01
59.5000	.01	.01	.01	.01
59.7500	.01	.01	.01	.01
60.0000	.01	.01	.01	.01
60.2500	.01	.01	.01	.01
60.5000	.01	.01	.01	.01
60.7500	.01	.01	.01	.01
61.0000	.01	.01	.01	.01
61.2500	.01	.01	.01	.01
61.5000	.01	.01	.01	.01
61.7500	.01	.01	.01	.01
62.0000	.01	.01	.01	.01
62.2500	.01	.01	.01	.01

62.5000	.01	.01	.01	.01
62.7500	.01	.01	.01	.01
63.0000	.01	.01	.01	.01
63.2500	.01	.01	.01	.01
63.5000	.01	.01	.01	.01
63.7500	.01	.01	.01	.00
64.0000	.00	.00	.00	.00
64.2500	.00	.00	.00	.00
64.5000	.00	.00	.00	.00
64.7500	.00	.00	.00	.00
65.0000	.00	.00	.00	.00
65.2500	.00	.00	.00	.00
65.5000	.00	.00	.00	.00
65.7500	.00	.00	.00	.00
66.0000	.00	.00	.00	.00
66.2500	.00	.00	.00	.00
66.5000	.00	.00	.00	.00
66.7500	.00	.00	.00	.00
67.0000	.00	.00	.00	.00
67.2500	.00	.00	.00	.00
67.5000	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUT1

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
REACH 60	J6		REACH 60	100
ADDLINK 110	BYPASS2		BYPASS2	100

INFLOWS TO: OUT1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	REACH 60	100	16691220	12.9500	1687.30
	BYPASS2	100	2079438	12.1500	533.90

TOTAL FLOW INTO: OUT1

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	OUT1	100	18770680	12.9000	1762.07

TOTAL NODE INFLOW...
HYG file =
HYG ID = OUT1
HYG Tag = 100

Peak Discharge =	1762.07 cfs
Time to Peak =	12.9000 hrs
HYG Volume =	18770680 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
4.0500	.00	.00	.00	.00
4.3000	.01	.01	.01	.02
4.5500	.06	.09	.11	.14
4.8000	.20	.23	.26	.29
5.0500	.36	.39	.43	.46
5.3000	.54	.58	.63	.67
5.5500	.76	.81	.85	.90
5.8000	1.01	1.06	1.11	1.17
6.0500	1.29	1.35	1.41	1.49
6.3000	1.66	1.77	1.88	2.01
6.5500	2.28	2.43	2.58	2.74
6.8000	3.06	3.22	3.40	3.57
7.0500	3.94	4.14	4.34	4.57
7.3000	5.05	5.30	5.56	5.83

4.0500	.00	.00	.00	.00
4.3000	.01	.01	.01	.02
4.5500	.06	.09	.11	.14
4.8000	.20	.23	.26	.29
5.0500	.36	.39	.43	.46
5.3000	.54	.58	.63	.67
5.5500	.76	.81	.85	.90
5.8000	1.01	1.06	1.11	1.17
6.0500	1.29	1.35	1.41	1.49
6.3000	1.66	1.77	1.88	2.01
6.5500	2.28	2.43	2.58	2.74
6.8000	3.06	3.22	3.40	3.57
7.0500	3.94	4.14	4.34	4.57
7.3000	5.05	5.30	5.56	5.83

4.0500	.00	.00	.00	.00	.00
4.3000	.01	.01	.01	.02	.04
4.5500	.06	.09	.11	.14	.17
4.8000	.20	.23	.26	.29	.32
5.0500	.36	.39	.43	.46	.50
5.3000	.54	.58	.63	.67	.71
5.5500	.76	.81	.85	.90	.95
5.8000	1.01	1.06	1.11	1.17	1.23
6.0500	1.29	1.35	1.41	1.49	1.57
6.3000	1.66	1.77	1.88	2.01	2.14
6.5500	2.28	2.43	2.58	2.74	2.89
6.8000	3.06	3.22	3.40	3.57	3.75
7.0500	3.94	4.14	4.34	4.57	4.80
7.3000	5.05	5.30	5.56	5.83	6.11

7.5500	6.45	6.90	7.33	7.75	8.16
7.8000	8.56	8.96	9.36	9.76	10.17
8.0500	10.58	11.00	11.44	11.90	12.37
8.3000	12.87	13.39	13.94	14.52	15.13
8.5500	15.78	16.48	17.23	18.03	18.87
8.8000	19.89	20.98	22.08	23.18	24.30
9.0500	25.43	26.58	27.74	28.92	30.11
9.3000	31.32	32.57	33.88	35.22	36.65
9.5500	38.25	39.85	41.44	43.05	44.67
9.8000	46.33	48.03	49.75	51.52	53.35
10.0500	55.26	57.23	59.42	61.67	63.95
10.3000	66.27	68.63	71.06	73.54	76.10
10.5500	78.74	81.51	84.42	87.55	90.93
10.8000	94.41	98.01	101.74	105.62	109.66
11.0500	113.92	118.46	123.40	128.86	134.65
11.3000	140.82	147.42	154.53	162.23	170.86
11.5500	180.89	193.39	210.33	234.19	267.91

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.8000	313.93	377.03	463.34	571.63	693.61
12.0500	812.13	915.00	996.11	1056.85	1104.11
12.3000	1149.52	1202.53	1265.38	1335.73	1408.27
12.5500	1479.03	1544.90	1604.73	1656.64	1699.36
12.8000	1731.37	1752.58	1762.07	1759.94	1746.83
13.0500	1723.67	1691.66	1651.90	1605.48	1554.21
13.3000	1499.94	1443.21	1386.25	1329.06	1273.25
13.5500	1218.88	1166.85	1117.15	1069.93	1025.32
13.8000	982.63	942.41	903.84	867.65	833.72
14.0500	801.74	772.11	744.07	717.56	692.87
14.3000	669.42	647.18	626.25	606.60	587.80
14.5500	569.92	552.99	536.86	521.12	505.85
14.8000	491.11	477.23	463.75	450.76	438.26
15.0500	426.34	415.41	404.99	395.13	385.83
15.3000	377.11	368.90	361.31	354.07	347.11
15.5500	340.45	334.04	327.85	321.84	315.93
15.8000	310.11	304.32	298.40	292.38	286.31
16.0500	280.24	274.24	268.37	262.65	257.26
16.3000	252.01	246.90	241.98	237.25	232.72
16.5500	228.39	224.27	220.36	216.65	213.21

16.8000	209.88	206.64	203.52	200.51
197.62				
17.0500	194.85	192.21	189.68	187.26
184.93				
17.3000	182.70	180.57	178.54	176.59
174.79				
17.5500	173.04	171.33	169.68	168.08
166.53				
17.8000	165.02	163.57	162.15	160.78
159.45				
18.0500	158.14	156.87	155.63	154.42
153.25				
18.3000	152.10	150.98	149.87	148.79
147.72				
18.5500	146.67	145.62	144.59	143.57
142.56				
18.8000	141.57	140.59	139.61	138.66
137.74				
19.0500	136.82	135.88	134.94	134.01
133.07				
19.3000	132.13	131.20	130.27	129.34
128.42				
19.5500	127.50	126.59	125.68	124.78
123.88				
19.8000	122.98	122.08	121.18	120.28
119.39				
20.0500	118.49	117.60	116.72	115.86
115.00				
20.3000	114.17	113.35	112.54	111.74
110.95				
20.5500	110.16	109.37	108.59	107.83
107.09				
20.8000	106.36	105.65	104.98	104.33
103.69				
21.0500	103.05	102.43	101.82	101.22
100.64				
21.3000	100.08	99.54	99.02	98.52
98.03				
21.5500	97.57	97.12	96.69	96.27
95.88				
21.8000	95.50	95.13	94.78	94.44
94.12				
22.0500	93.80	93.50	93.21	92.93
92.66				
22.3000	92.40	92.14	91.89	91.65
91.41				
22.5500	91.18	90.95	90.72	90.50
90.29				
22.8000	90.07	89.86	89.66	89.45
89.25				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
23.0500	89.05	88.85	88.66	88.47	88.27
23.3000	88.08	87.89	87.71	87.52	87.33
23.5500	87.15	86.96	86.78	86.60	86.42
23.8000	86.24	86.05	85.87	85.69	85.48
24.0500	85.16	84.61	83.74	82.52	81.07
24.3000	79.56	78.07	76.65	75.31	74.02
24.5500	72.73	71.42	70.08	68.73	67.39
24.8000	65.95	64.43	62.82	61.13	59.36
25.0500	57.52	55.61	53.66	51.70	49.77
25.3000	47.85	45.98	44.26	42.49	40.71
25.5500	38.92	37.15	35.41	33.74	32.14
25.8000	30.62	29.15	27.81	26.63	25.45
26.0500	24.29	23.15	22.04	20.96	19.93
26.3000	18.95	18.03	17.17	16.38	15.64
26.5500	14.94	14.28	13.75	13.27	12.79
26.8000	12.31	11.83	11.37	10.91	10.46
27.0500	10.02	9.60	9.19	8.79	8.41
27.3000	8.05	7.70	7.36	7.04	6.74
27.5500	6.46	6.20	5.95	5.73	5.52
27.8000	5.33	5.16	5.01	4.86	4.73

28.0500	4.60	4.49	4.38	4.32	4.26
28.3000	4.20	4.14	4.08	4.01	3.95
28.5500	3.88	3.82	3.75	3.68	3.61
28.8000	3.55	3.48	3.41	3.34	3.28
29.0500	3.21	3.14	3.08	3.01	2.95
29.3000	2.88	2.82	2.76	2.70	2.64
29.5500	2.58	2.52	2.46	2.40	2.35
29.8000	2.29	2.24	2.19	2.14	2.09
30.0500	2.04	1.99	1.94	1.90	1.85
30.3000	1.81	1.77	1.72	1.68	1.64
30.5500	1.61	1.57	1.53	1.50	1.46
30.8000	1.43	1.39	1.36	1.33	1.30
31.0500	1.27	1.24	1.21	1.18	1.16
31.3000	1.13	1.11	1.08	1.06	1.03
31.5500	1.01	.99	.97	.95	.93
31.8000	.91	.89	.87	.85	.83
32.0500	.81	.80	.78	.76	.75
32.3000	.73	.72	.70	.69	.68
32.5500	.66	.65	.64	.62	.61
32.8000	.60	.59	.58	.56	.55
33.0500	.54	.53	.52	.51	.50
33.3000	.49	.48	.47	.47	.46
33.5500	.45	.44	.43	.42	.42
33.8000	.41	.40	.39	.39	.38
34.0500	.37	.37	.36	.35	.35

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.3000	.34	.33	.33	.32
34.5500	.31	.30	.30	.29
34.8000	.28	.28	.27	.27
35.0500	.26	.26	.25	.25
35.3000	.24	.23	.23	.23
35.5500	.22	.21	.21	.21
35.8000	.20	.20	.19	.19
36.0500	.18	.18	.18	.17
36.3000	.17	.16	.16	.16
36.5500	.15	.15	.15	.15
36.8000	.14	.14	.14	.13
37.0500	.13	.13	.12	.12
37.3000	.12	.12	.11	.11
37.5500	.11	.11	.10	.10
37.8000	.10	.10	.10	.09
38.0500	.09	.09	.09	.09
38.3000	.08	.08	.08	.08
38.5500	.08	.08	.07	.07
38.8000	.07	.07	.07	.07
39.0500	.06	.06	.06	.06

39.3000	.06	.06	.06	.06
.06				
39.5500	.05	.05	.05	.05
.05				
39.8000	.05	.05	.05	.05
.05				
40.0500	.05	.05	.04	.04
.04				
40.3000	.04	.04	.04	.04
.04				
40.5500	.04	.04	.04	.04
.04				
40.8000	.04	.03	.03	.03
.03				
41.0500	.03	.03	.03	.03
.03				
41.3000	.03	.03	.03	.03
.03				
41.5500	.03	.03	.03	.03
.03				
41.8000	.03	.02	.02	.02
.02				
42.0500	.02	.02	.02	.02
.02				
42.3000	.02	.02	.02	.02
.02				
42.5500	.02	.02	.02	.02
.02				
42.8000	.02	.02	.02	.02
.02				
43.0500	.02	.02	.02	.02
.02				
43.3000	.02	.01	.01	.01
.01				
43.5500	.01	.01	.01	.01
.01				
43.8000	.01	.01	.01	.01
.01				
44.0500	.01	.01	.01	.01
.01				
44.3000	.01	.01	.01	.01
.01				
44.5500	.01	.01	.01	.01
.01				
44.8000	.01	.01	.01	.01
.01				
45.0500	.01	.01	.01	.01
.01				
45.3000	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
45.5500	.01	.01	.01	.01
45.8000	.01	.01	.01	.01
46.0500	.01	.01	.01	.01
46.3000	.01	.01	.01	.01
46.5500	.01	.01	.01	.01
46.8000	.01	.01	.01	.01
47.0500	.01	.01	.01	.01
47.3000	.01	.01	.01	.01
47.5500	.01	.01	.01	.01
47.8000	.01	.01	.01	.01
48.0500	.01	.01	.01	.01
48.3000	.01	.01	.01	.01
48.5500	.01	.01	.01	.01
48.8000	.01	.01	.01	.01
49.0500	.01	.01	.01	.01
49.3000	.01	.01	.01	.01
49.5500	.01	.01	.01	.01
49.8000	.01	.01	.01	.01
50.0500	.01	.01	.01	.01
50.3000	.01	.01	.01	.01

50.5500	.01	.01	.01	.01
.01				
50.8000	.01	.01	.01	.01
.01				
51.0500	.01	.01	.01	.01
.01				
51.3000	.01	.01	.01	.01
.01				
51.5500	.01	.01	.01	.01
.01				
51.8000	.01	.01	.01	.01
.01				
52.0500	.01	.01	.01	.01
.01				
52.3000	.01	.01	.01	.01
.01				
52.5500	.01	.01	.01	.01
.01				
52.8000	.01	.01	.01	.01
.01				
53.0500	.01	.01	.01	.01
.01				
53.3000	.01	.01	.01	.01
.01				
53.5500	.01	.01	.01	.01
.01				
53.8000	.01	.01	.01	.01
.01				
54.0500	.01	.01	.01	.01
.01				
54.3000	.01	.01	.01	.01
.01				
54.5500	.01	.01	.01	.01
.01				
54.8000	.01	.01	.01	.01
.01				
55.0500	.01	.01	.01	.01
.01				
55.3000	.01	.01	.01	.01
.01				
55.5500	.01	.01	.01	.01
.01				
55.8000	.01	.01	.01	.01
.01				
56.0500	.01	.01	.01	.01
.01				
56.3000	.01	.01	.01	.01
.01				
56.5500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
56.8000	.01	.01	.01	.01
57.0500	.01	.01	.01	.01
57.3000	.01	.01	.01	.01
57.5500	.01	.01	.01	.01
57.8000	.01	.01	.01	.01
58.0500	.01	.01	.01	.01
58.3000	.01	.01	.01	.01
58.5500	.01	.01	.01	.01
58.8000	.01	.01	.01	.01
59.0500	.01	.01	.01	.01
59.3000	.01	.01	.01	.01
59.5500	.01	.01	.01	.01
59.8000	.01	.01	.01	.01
60.0500	.01	.01	.01	.01
60.3000	.01	.01	.01	.01
60.5500	.01	.01	.01	.01
60.8000	.01	.01	.01	.01
61.0500	.01	.01	.01	.01
61.3000	.01	.01	.01	.01
61.5500	.01	.01	.01	.01

61.8000	.01	.01	.01	.01
.01				
62.0500	.01	.01	.01	.01
.01				
62.3000	.01	.01	.01	.01
.01				
62.5500	.01	.01	.01	.01
.01				
62.8000	.01	.01	.01	.01
.01				
63.0500	.01	.01	.01	.01
.01				
63.3000	.01	.01	.01	.01
.01				
63.5500	.01	.01	.01	.01
.01				
63.8000	.01	.01	.01	.01
.01				
64.0500	.01	.01	.00	.00
.00				
64.3000	.00	.00	.00	.00
.00				
64.5500	.00	.00	.00	.00
.00				
64.8000	.00	.00	.00	.00
.00				
65.0500	.00	.00	.00	.00
.00				
65.3000	.00	.00	.00	.00
.00				
65.5500	.00	.00	.00	.00
.00				
65.8000	.00	.00	.00	.00
.00				
66.0500	.00	.00	.00	.00
.00				
66.3000	.00	.00	.00	.00
.00				
66.5500	.00	.00	.00	.00
.00				
66.8000	.00	.00	.00	.00
.00				
67.0500	.00	.00	.00	.00
.00				
67.3000	.00	.00	.00	.00
.00				
67.5500	.00	.00	.00	.00
.00				
67.8000	.00			

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUT2

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 100	BYPASS3		BYPASS3	15
ROUTE 60	BASIN5	IN	ROUTE 60	15

INFLOWS TO: OUT2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BYPASS3	15	440781	12.1500	106.51
	ROUTE 60	15	158923	12.7000	7.68

TOTAL FLOW INTO: OUT2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	OUT2	15	599704	12.1500	112.69

TOTAL NODE INFLOW...
HYG file =
HYG ID = OUT2
HYG Tag = 15

Peak Discharge =	112.69 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	599704 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
9.6000	.00	.00	.00	.00	.01
9.8500	.01	.01	.01	.02	.02
10.1000	.02	.03	.04	.04	.05
10.3500	.06	.07	.09	.10	.12
10.6000	.14	.16	.18	.21	.24
10.8500	.28	.34	.41	.50	.63
11.1000	.78	.95	1.16	1.39	1.66
11.3500	1.97	2.32	2.71	3.17	3.74
11.6000	4.57	5.86	7.94	11.35	16.75
11.8500	25.33	37.83	54.37	73.51	92.13
12.1000	106.44	112.69	110.36	102.36	91.42
12.3500	79.81	69.19	60.41	53.44	47.95
12.6000	43.55	39.83	36.52	33.60	31.13
12.8500	29.09	27.37	26.04	24.96	24.02

13.1000	23.17	22.41	21.72	21.10
20.55				
13.3500	20.08	19.67	19.31	18.96
18.62				
13.6000	18.30	17.99	17.69	17.41
17.13				
13.8500	16.87	16.62	16.37	16.13
15.89				
14.1000	15.66	15.44	15.23	15.04
14.86				
14.3500	14.70	14.55	14.42	14.29
14.18				
14.6000	14.06	13.95	13.85	13.74
13.63				
14.8500	13.53	13.43	13.32	13.22
13.11				
15.1000	13.01	12.90	12.79	12.69
12.58				
15.3500	12.47	12.36	12.25	12.14
12.03				
15.6000	11.92	11.81	11.69	11.58
11.46				
15.8500	11.35	11.23	11.11	10.99
10.87				
16.1000	10.75	10.64	10.52	10.42
10.31				
16.3500	10.22	10.13	10.04	9.95
9.87				
16.6000	9.79	9.71	9.63	9.55
9.47				
16.8500	9.39	9.30	9.22	9.14
9.06				
17.1000	8.98	8.90	8.81	8.73
8.64				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
17.3500	8.56	8.48	8.39	8.30
8.22				
17.6000	8.13	8.04	7.95	7.87
7.78				
17.8500	7.69	7.60	7.51	7.42
7.33				
18.1000	7.25	7.16	7.07	6.98
6.89				
18.3500	6.80	6.71	6.63	6.54
6.45				
18.6000	6.37	6.28	6.20	6.10
6.01				
18.8500	5.91	5.80	5.71	5.61
5.53				
19.1000	5.45	5.37	5.30	5.24
5.17				
19.3500	5.11	5.06	5.00	4.95
4.89				
19.6000	4.84	4.80	4.75	4.70
4.66				
19.8500	4.61	4.57	4.52	4.48
4.44				
20.1000	4.40	4.36	4.32	4.29
4.26				
20.3500	4.23	4.21	4.19	4.17
4.16				
20.6000	4.14	4.13	4.12	4.11
4.10				
20.8500	4.09	4.08	4.07	4.06
4.05				
21.1000	4.04	4.03	4.03	4.02
4.01				
21.3500	4.00	3.99	3.99	3.98
3.97				
21.6000	3.96	3.96	3.95	3.94
3.94				
21.8500	3.93	3.92	3.92	3.91
3.90				
22.1000	3.89	3.89	3.88	3.87
3.87				

22.3500	3.86	3.85	3.85	3.84	3.83
22.6000	3.83	3.82	3.81	3.80	3.80
22.8500	3.79	3.78	3.78	3.77	3.76
23.1000	3.76	3.75	3.74	3.74	3.73
23.3500	3.72	3.71	3.71	3.70	3.69
23.6000	3.69	3.68	3.67	3.67	3.66
23.8500	3.65	3.64	3.64	3.62	3.57
24.1000	3.45	3.24	2.93	2.55	2.15
24.3500	1.78	1.46	1.20	1.00	.84
24.6000	.72	.61	.53	.47	.41
24.8500	.37	.33	.29	.27	.24
25.1000	.22	.21	.19	.18	.16
25.3500	.15	.14	.13	.13	.12
25.6000	.11	.11	.10	.10	.09
25.8500	.09	.08	.08	.07	.07
26.1000	.07	.06	.06	.06	.05
26.3500	.05	.05	.05	.04	.04
26.6000	.04	.04	.04	.04	.04
26.8500	.04	.04	.03	.03	.03
27.1000	.03	.03	.03	.03	.03
27.3500	.03	.03	.03	.02	.02
27.6000	.02	.02	.02	.02	.02
27.8500	.02	.02	.02	.02	.02
28.1000	.02	.02	.02	.02	.02
28.3500	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
28.6000	.01	.01	.01	.01 .01
28.8500	.01	.01	.01	.01 .01
29.1000	.01	.01	.01	.01 .01
29.3500	.01	.01	.01	.01 .01
29.6000	.01	.01	.01	.01 .01
29.8500	.01	.01	.01	.01 .01
30.1000	.01	.00	.00	.00 .00
30.3500	.00	.00	.00	.00 .00
30.6000	.00	.00	.00	.00 .00
30.8500	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUT2

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 100	BYPASS3		BYPASS3	25
ROUTE 60	BASIN5	IN	ROUTE 60	25

INFLOWS TO: OUT2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BYPASS3	25	528347	12.1500	129.96
	ROUTE 60	25	186254	12.4000	18.34

TOTAL FLOW INTO: OUT2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	OUT2	25	714601	12.1500	136.55

TOTAL NODE INFLOW...
HYG file =
HYG ID = OUT2
HYG Tag = 25

Peak Discharge =	136.55 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	714601 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
9.1500	.00	.00	.00	.00	.01
9.4000	.01	.01	.01	.02	.02
9.6500	.02	.03	.03	.04	.04
9.9000	.05	.06	.08	.09	.10
10.1500	.12	.13	.15	.17	.19
10.4000	.21	.24	.27	.32	.38
10.6500	.45	.55	.66	.79	.94
10.9000	1.11	1.30	1.51	1.73	1.98
11.1500	2.25	2.55	2.88	3.25	3.68
11.4000	4.15	4.67	5.28	6.04	7.13
11.6500	8.80	11.37	15.68	22.53	33.22
11.9000	48.53	68.53	91.37	113.30	129.82
12.1500	136.55	133.03	123.12	115.45	104.99
12.4000	92.99	81.65	71.90	63.65	56.58

12.6500	50.57	45.40	41.17	37.60
34.65				
12.9000	32.30	30.32	28.63	27.26
26.08				
13.1500	25.11	24.29	23.55	22.91
22.36				
13.4000	21.89	21.47	21.06	20.68
20.30				
13.6500	19.95	19.60	19.27	18.96
18.66				
13.9000	18.37	18.09	17.81	17.54
17.27				
14.1500	17.02	16.78	16.57	16.37
16.19				
14.4000	16.02	15.88	15.74	15.61
15.48				
14.6500	15.36	15.25	15.13	15.01
14.90				
14.9000	14.79	14.67	14.56	14.45
14.34				
15.1500	14.22	14.11	13.99	13.87
13.76				
15.4000	13.64	13.52	13.41	13.29
13.17				
15.6500	13.04	12.92	12.80	12.68
12.55				
15.9000	12.43	12.30	12.18	12.05
11.92				
16.1500	11.80	11.68	11.57	11.46
11.37				
16.4000	11.27	11.18	11.10	11.01
10.93				
16.6500	10.85	10.77	10.69	10.61
10.54				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.9000	10.46	10.38	10.30	10.22	10.14
17.1500	10.06	9.98	9.89	9.81	9.73
17.4000	9.65	9.56	9.48	9.40	9.31
17.6500	9.22	9.14	9.05	8.97	8.88
17.9000	8.79	8.70	8.62	8.53	8.44
18.1500	8.35	8.26	8.17	8.08	7.99
18.4000	7.90	7.81	7.72	7.63	7.54
18.6500	7.45	7.36	7.27	7.18	7.09
18.9000	7.01	6.92	6.83	6.75	6.66
19.1500	6.57	6.49	6.39	6.30	6.20
19.4000	6.10	6.00	5.91	5.82	5.74
19.6500	5.67	5.59	5.52	5.46	5.39
19.9000	5.33	5.27	5.21	5.16	5.10
20.1500	5.05	5.00	4.96	4.92	4.89
20.4000	4.86	4.84	4.81	4.79	4.77
20.6500	4.76	4.74	4.73	4.71	4.70
20.9000	4.69	4.67	4.66	4.65	4.64
21.1500	4.63	4.62	4.61	4.60	4.59
21.4000	4.58	4.58	4.57	4.56	4.55
21.6500	4.54	4.53	4.52	4.51	4.51

21.9000	4.50	4.49	4.48	4.47
4.47				
22.1500	4.46	4.45	4.44	4.43
4.42				
22.4000	4.42	4.41	4.40	4.39
4.38				
22.6500	4.38	4.37	4.36	4.35
4.34				
22.9000	4.34	4.33	4.32	4.31
4.30				
23.1500	4.30	4.29	4.28	4.27
4.26				
23.4000	4.26	4.25	4.24	4.23
4.22				
23.6500	4.22	4.21	4.20	4.19
4.18				
23.9000	4.17	4.17	4.15	4.09
3.95				
24.1500	3.71	3.35	2.91	2.45
2.03				
24.4000	1.66	1.36	1.13	.95
.81				
24.6500	.69	.60	.52	.46
.41				
24.9000	.36	.33	.29	.27
.24				
25.1500	.22	.21	.19	.18
.16				
25.4000	.15	.14	.13	.13
.12				
25.6500	.11	.11	.10	.10
.09				
25.9000	.09	.08	.08	.07
.07				
26.1500	.07	.06	.06	.06
.05				
26.4000	.05	.05	.05	.04
.04				
26.6500	.04	.04	.04	.04
.04				
26.9000	.04	.04	.03	.03
.03				
27.1500	.03	.03	.03	.03
.03				
27.4000	.03	.03	.03	.02
.02				
27.6500	.02	.02	.02	.02
.02				
27.9000	.02	.02	.02	.02
.02				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
28.1500	.02	.02	.02	.02 .02
28.4000	.01	.01	.01	.01 .01
28.6500	.01	.01	.01	.01 .01
28.9000	.01	.01	.01	.01 .01
29.1500	.01	.01	.01	.01 .01
29.4000	.01	.01	.01	.01 .01
29.6500	.01	.01	.01	.01 .01
29.9000	.01	.01	.01	.01 .01
30.1500	.01	.00	.00	.00 .00
30.4000	.00	.00	.00	.00 .00
30.6500	.00	.00	.00	.00 .00
30.9000	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: OUT2

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 100	BYPASS3		BYPASS3	100
ROUTE 60	BASIN5	IN	ROUTE 60	100

INFLOWS TO: OUT2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BYPASS3	100	772769	12.1500	194.95
	ROUTE 60	100	260823	12.2500	50.84

TOTAL FLOW INTO: OUT2

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	OUT2	100	1033591	12.2000	236.76

TOTAL NODE INFLOW...
HYG file =
HYG ID = OUT2
HYG Tag = 100

Peak Discharge =	236.76 cfs
Time to Peak =	12.2000 hrs
HYG Volume =	1033591 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.1500	.00	.00	.00	.00	.01
8.4000	.01	.01	.01	.02	.02
8.6500	.02	.03	.03	.04	.04
8.9000	.05	.06	.07	.09	.10
9.1500	.11	.13	.14	.16	.18
9.4000	.20	.22	.24	.26	.29
9.6500	.33	.38	.43	.50	.57
9.9000	.66	.75	.85	.96	1.08
10.1500	1.20	1.34	1.48	1.63	1.79
10.4000	1.96	2.14	2.33	2.54	2.75
10.6500	2.98	3.23	3.49	3.78	4.08
10.9000	4.41	4.76	5.14	5.54	5.97
11.1500	6.44	6.95	7.50	8.10	8.76
11.4000	9.48	10.27	11.19	12.35	14.05

11.6500	16.77	21.06	28.16	39.15	55.78
11.9000	78.94	108.45	141.43	172.29	196.11
12.1500	228.88	236.76	221.86	195.98	167.80
12.4000	142.23	121.23	104.55	91.21	80.26
12.6500	71.08	63.47	57.14	51.97	47.67
12.9000	44.22	41.36	38.95	36.85	35.10
13.1500	33.51	32.06	30.74	29.58	28.66
13.4000	27.89	27.17	26.58	26.05	25.54
13.6500	25.05	24.58	24.14	23.71	23.31
13.9000	22.92	22.54	22.17	21.80	21.45
14.1500	21.11	20.80	20.52	20.26	20.02
14.4000	19.81	19.62	19.44	19.28	19.12
14.6500	18.97	18.83	18.68	18.54	18.40
14.9000	18.26	18.12	17.99	17.85	17.71
15.1500	17.57	17.43	17.29	17.15	17.01
15.4000	16.87	16.72	16.58	16.44	16.29
15.6500	16.15	16.00	15.85	15.71	15.56

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
15.9000	15.41	15.26	15.11	14.96
14.81				
16.1500	14.67	14.53	14.40	14.28
14.17				
16.4000	14.07	13.97	13.88	13.79
13.71				
16.6500	13.63	13.54	13.46	13.38
13.30				
16.9000	13.22	13.14	13.07	12.99
12.91				
17.1500	12.82	12.74	12.66	12.58
12.50				
17.4000	12.42	12.34	12.25	12.17
12.09				
17.6500	12.00	11.92	11.83	11.75
11.66				
17.9000	11.57	11.49	11.40	11.31
11.22				
18.1500	11.13	11.05	10.96	10.87
10.78				
18.4000	10.69	10.60	10.50	10.41
10.32				
18.6500	10.23	10.14	10.04	9.95
9.86				
18.9000	9.76	9.67	9.57	9.48
9.38				
19.1500	9.29	9.19	9.10	9.00
8.90				
19.4000	8.81	8.71	8.62	8.52
8.42				
19.6500	8.33	8.23	8.14	8.04
7.94				
19.9000	7.85	7.75	7.66	7.57
7.47				
20.1500	7.38	7.30	7.22	7.14
7.07				
20.4000	7.00	6.93	6.86	6.80
6.74				
20.6500	6.67	6.62	6.57	6.52
6.48				

20.9000	6.44	6.41	6.38	6.35	6.32
21.1500	6.29	6.27	6.25	6.22	6.20
21.4000	6.19	6.17	6.15	6.13	6.12
21.6500	6.10	6.09	6.07	6.06	6.04
21.9000	6.03	6.02	6.01	5.99	5.98
22.1500	5.97	5.96	5.94	5.93	5.92
22.4000	5.91	5.90	5.88	5.87	5.86
22.6500	5.85	5.84	5.83	5.82	5.80
22.9000	5.79	5.78	5.77	5.76	5.75
23.1500	5.74	5.72	5.71	5.70	5.69
23.4000	5.68	5.67	5.66	5.65	5.63
23.6500	5.62	5.61	5.60	5.59	5.58
23.9000	5.57	5.56	5.53	5.45	5.27
24.1500	4.94	4.46	3.87	3.25	2.68
24.4000	2.19	1.79	1.48	1.23	1.04
24.6500	.88	.76	.66	.57	.51
24.9000	.45	.40	.36	.33	.30
25.1500	.27	.25	.23	.21	.19
25.4000	.18	.17	.16	.15	.14
25.6500	.13	.12	.12	.11	.10
25.9000	.10	.09	.09	.08	.08
26.1500	.08	.07	.07	.06	.06
26.4000	.06	.05	.05	.05	.05
26.6500	.05	.04	.04	.04	.04
26.9000	.04	.04	.04	.04	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.1500	.03	.03	.03	.03
27.4000	.03	.03	.03	.03
27.6500	.02	.02	.02	.02
27.9000	.02	.02	.02	.02
28.1500	.02	.02	.02	.02
28.4000	.02	.02	.01	.01
28.6500	.01	.01	.01	.01
28.9000	.01	.01	.01	.01
29.1500	.01	.01	.01	.01
29.4000	.01	.01	.01	.01
29.6500	.01	.01	.01	.01
29.9000	.01	.01	.01	.01
30.1500	.01	.01	.01	.00
30.4000	.00	.00	.00	.00
30.6500	.00	.00	.00	.00
30.9000	.00	.00	.00	.00
31.1500	.00			

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3A IN
HYG Tag = 15

Peak Discharge =	185.97 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	736751 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
.00				
4.0000	.00	.00	.00	.00
.00				
4.2500	.00	.00	.00	.00
.00				
4.5000	.00	.00	.00	.00
.00				
4.7500	.00	.00	.00	.00
.00				
5.0000	.00	.00	.00	.00
.00				
5.2500	.00	.00	.00	.00
.00				
5.5000	.00	.00	.00	.00
.00				
5.7500	.00	.00	.00	.00
.00				
6.0000	.00	.00	.00	.00
.00				
6.2500	.00	.00	.00	.00
.00				
6.5000	.00	.00	.00	.00
.00				
6.7500	.00	.00	.00	.00
.00				
7.0000	.00	.00	.00	.00
.00				
7.2500	.00	.00	.00	.00
.00				
7.5000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.01	.01	.03	.05	.08
9.0000	.12	.16	.20	.25	.31
9.2500	.36	.42	.48	.53	.59
9.5000	.65	.71	.77	.83	.89
9.7500	.96	1.03	1.11	1.19	1.27
10.0000	1.37	1.46	1.56	1.67	1.78
10.2500	1.90	2.03	2.17	2.31	2.46
10.5000	2.62	2.79	2.97	3.16	3.36
10.7500	3.58	3.82	4.07	4.34	4.63
11.0000	4.93	5.25	5.60	5.98	6.40
11.2500	6.88	7.42	8.02	8.68	9.40
11.5000	10.18	11.24	12.86	15.62	20.18
11.7500	27.21	37.63	52.80	74.67	102.87
12.0000	133.65	160.91	179.40	185.97	180.05
12.2500	164.08	142.86	121.94	103.34	88.01
12.5000	75.79	65.92	57.75	50.92	45.36

12.7500	40.74	36.92	33.78	31.19	29.04
13.0000	27.24	25.71	24.37	23.17	22.09
13.2500	21.12	20.27	19.55	18.93	18.39
13.5000	17.89	17.40	16.94	16.49	16.07
13.7500	15.66	15.28	14.92	14.57	14.24
14.0000	13.91	13.59	13.28	12.98	12.71
14.2500	12.46	12.24	12.04	11.86	11.70
14.5000	11.55	11.42	11.29	11.17	11.06
14.7500	10.94	10.83	10.72	10.62	10.51
15.0000	10.40	10.30	10.19	10.08	9.98
15.2500	9.87	9.76	9.66	9.55	9.45
15.5000	9.34	9.23	9.12	9.01	8.91
15.7500	8.80	8.69	8.58	8.47	8.36
16.0000	8.25	8.15	8.04	7.94	7.84
16.2500	7.75	7.67	7.60	7.54	7.48
16.5000	7.43	7.38	7.33	7.29	7.25
16.7500	7.21	7.17	7.13	7.09	7.05
17.0000	7.01	6.97	6.93	6.89	6.85
17.2500	6.82	6.78	6.74	6.70	6.66
17.5000	6.62	6.58	6.55	6.51	6.47
17.7500	6.43	6.39	6.35	6.31	6.27
18.0000	6.23	6.20	6.16	6.12	6.08
18.2500	6.04	6.00	5.96	5.92	5.88
18.5000	5.84	5.80	5.76	5.72	5.68
18.7500	5.64	5.60	5.56	5.52	5.48

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	5.44	5.40	5.36	5.32
19.2500	5.24	5.20	5.16	5.12
19.5000	5.04	5.00	4.96	4.92
19.7500	4.84	4.80	4.76	4.72
20.0000	4.64	4.60	4.56	4.52
20.2500	4.45	4.43	4.40	4.38
20.5000	4.35	4.34	4.33	4.32
20.7500	4.30	4.29	4.28	4.28
21.0000	4.26	4.25	4.24	4.24
21.2500	4.22	4.21	4.21	4.20
21.5000	4.18	4.18	4.17	4.16
21.7500	4.15	4.14	4.13	4.12
22.0000	4.11	4.10	4.09	4.09
22.2500	4.07	4.06	4.05	4.05
22.5000	4.03	4.02	4.02	4.01
22.7500	3.99	3.99	3.98	3.97
23.0000	3.95	3.95	3.94	3.93
23.2500	3.92	3.91	3.90	3.89
23.5000	3.88	3.87	3.86	3.85
23.7500	3.84	3.83	3.82	3.81

24.0000	3.79	3.73	3.59	3.32
2.91				
24.2500	2.44	1.97	1.53	1.15
.86				
24.5000	.64	.48	.36	.27
.21				
24.7500	.15	.11	.08	.06
.05				
25.0000	.03	.02	.02	.01
.01				
25.2500	.00	.00	.00	.00
.00				
25.5000	.00	.00	.00	.00
.00				
25.7500	.00	.00	.00	.00
.00				
26.0000	.00	.00	.00	.00
.00				
26.2500	.00	.00	.00	.00
.00				
26.5000	.00	.00	.00	.00
.00				
26.7500	.00	.00	.00	.00
.00				
27.0000	.00	.00	.00	.00
.00				
27.2500	.00	.00	.00	.00
.00				
27.5000	.00	.00	.00	.00
.00				
27.7500	.00	.00	.00	.00
.00				
28.0000	.00	.00	.00	.00
.00				
28.2500	.00	.00	.00	.00
.00				
28.5000	.00	.00	.00	.00
.00				
28.7500	.00	.00	.00	.00
.00				
29.0000	.00	.00	.00	.00
.00				
29.2500	.00	.00	.00	.00
.00				
29.5000	.00	.00	.00	.00
.00				
29.7500	.00	.00	.00	.00
.00				
30.0000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00
30.5000	.00	.00	.00	.00
30.7500	.00	.00	.00	.00
31.0000	.00	.00	.00	.00
31.2500	.00	.00	.00	.00
31.5000	.00	.00	.00	.00
31.7500	.00	.00	.00	.00
32.0000	.00	.00	.00	.00
32.2500	.00	.00	.00	.00
32.5000	.00	.00	.00	.00
32.7500	.00	.00	.00	.00
33.0000	.00	.00	.00	.00
33.2500	.00	.00	.00	.00
33.5000	.00	.00	.00	.00
33.7500	.00	.00	.00	.00
34.0000	.00	.00	.00	.00
34.2500	.00	.00	.00	.00
34.5000	.00	.00	.00	.00
34.7500	.00	.00	.00	.00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3A IN
HYG Tag = 25

Peak Discharge =	216.84 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	856233 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
.00				
4.0000	.00	.00	.00	.00
.00				
4.2500	.00	.00	.00	.00
.00				
4.5000	.00	.00	.00	.00
.00				
4.7500	.00	.00	.00	.00
.00				
5.0000	.00	.00	.00	.00
.00				
5.2500	.00	.00	.00	.00
.00				
5.5000	.00	.00	.00	.00
.00				
5.7500	.00	.00	.00	.00
.00				
6.0000	.00	.00	.00	.00
.00				
6.2500	.00	.00	.00	.00
.00				
6.5000	.00	.00	.00	.00
.00				
6.7500	.00	.00	.00	.00
.00				
7.0000	.00	.00	.00	.00
.00				
7.2500	.00	.00	.00	.00
.00				
7.5000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.01	.01	.03	.05
8.5000	.07	.11	.14	.19	.23
8.7500	.28	.33	.39	.45	.51
9.0000	.58	.64	.71	.78	.86
9.2500	.93	1.00	1.07	1.14	1.21
9.5000	1.28	1.35	1.42	1.49	1.56
9.7500	1.64	1.73	1.82	1.92	2.03
10.0000	2.15	2.27	2.39	2.52	2.67
10.2500	2.82	2.98	3.15	3.33	3.52
10.5000	3.71	3.92	4.14	4.38	4.62
10.7500	4.89	5.18	5.49	5.82	6.17
11.0000	6.55	6.94	7.36	7.82	8.34
11.2500	8.92	9.57	10.30	11.10	11.96
11.5000	12.91	14.18	16.14	19.48	24.98
11.7500	33.43	45.86	63.81	89.47	122.27
12.0000	157.80	189.00	209.87	216.84	209.40
12.2500	190.43	165.51	141.07	119.39	101.54
12.5000	87.33	75.86	66.37	58.45	52.02

12.7500	46.67	42.25	38.63	35.64	33.16
13.0000	31.08	29.32	27.78	26.40	25.15
13.2500	24.04	23.07	22.24	21.53	20.91
13.5000	20.33	19.78	19.25	18.74	18.26
13.7500	17.79	17.36	16.94	16.55	16.16
14.0000	15.79	15.42	15.07	14.73	14.42
14.2500	14.14	13.88	13.65	13.45	13.27
14.5000	13.10	12.95	12.81	12.67	12.54
14.7500	12.41	12.28	12.15	12.03	11.91
15.0000	11.79	11.67	11.54	11.42	11.30
15.2500	11.18	11.06	10.94	10.82	10.70
15.5000	10.57	10.45	10.33	10.20	10.08
15.7500	9.96	9.84	9.71	9.59	9.46
16.0000	9.34	9.22	9.09	8.98	8.87
16.2500	8.77	8.68	8.60	8.52	8.46
16.5000	8.40	8.35	8.29	8.24	8.19
16.7500	8.15	8.10	8.06	8.01	7.97
17.0000	7.92	7.88	7.83	7.79	7.75
17.2500	7.70	7.66	7.62	7.57	7.53
17.5000	7.48	7.44	7.40	7.35	7.31
17.7500	7.26	7.22	7.18	7.13	7.09
18.0000	7.04	7.00	6.95	6.91	6.86
18.2500	6.82	6.77	6.73	6.69	6.64
18.5000	6.60	6.55	6.51	6.46	6.42
18.7500	6.37	6.33	6.28	6.24	6.19

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	6.14	6.10	6.05	6.01
19.2500	5.92	5.87	5.83	5.78
19.5000	5.69	5.64	5.60	5.55
19.7500	5.46	5.41	5.37	5.32
20.0000	5.23	5.19	5.14	5.10
20.2500	5.02	4.99	4.97	4.95
20.5000	4.91	4.90	4.88	4.87
20.7500	4.85	4.84	4.83	4.82
21.0000	4.80	4.79	4.79	4.78
21.2500	4.76	4.75	4.74	4.73
21.5000	4.72	4.71	4.70	4.69
21.7500	4.67	4.66	4.66	4.65
22.0000	4.63	4.62	4.61	4.60
22.2500	4.59	4.58	4.57	4.56
22.5000	4.54	4.53	4.53	4.52
22.7500	4.50	4.49	4.48	4.47
23.0000	4.46	4.45	4.44	4.43
23.2500	4.41	4.40	4.39	4.38
23.5000	4.37	4.36	4.35	4.34
23.7500	4.32	4.31	4.30	4.30

24.0000	4.26	4.20	4.04	3.73	3.28
24.2500	2.75	2.22	1.72	1.30	.96
24.5000	.72	.54	.41	.31	.23
24.7500	.17	.13	.09	.07	.05
25.0000	.04	.03	.02	.01	.01
25.2500	.00	.00	.00	.00	.00
25.5000	.00	.00	.00	.00	.00
25.7500	.00	.00	.00	.00	.00
26.0000	.00	.00	.00	.00	.00
26.2500	.00	.00	.00	.00	.00
26.5000	.00	.00	.00	.00	.00
26.7500	.00	.00	.00	.00	.00
27.0000	.00	.00	.00	.00	.00
27.2500	.00	.00	.00	.00	.00
27.5000	.00	.00	.00	.00	.00
27.7500	.00	.00	.00	.00	.00
28.0000	.00	.00	.00	.00	.00
28.2500	.00	.00	.00	.00	.00
28.5000	.00	.00	.00	.00	.00
28.7500	.00	.00	.00	.00	.00
29.0000	.00	.00	.00	.00	.00
29.2500	.00	.00	.00	.00	.00
29.5000	.00	.00	.00	.00	.00
29.7500	.00	.00	.00	.00	.00
30.0000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00
30.5000	.00	.00	.00	.00
30.7500	.00	.00	.00	.00
31.0000	.00	.00	.00	.00
31.2500	.00	.00	.00	.00
31.5000	.00	.00	.00	.00
31.7500	.00	.00	.00	.00
32.0000	.00	.00	.00	.00
32.2500	.00	.00	.00	.00
32.5000	.00	.00	.00	.00
32.7500	.00	.00	.00	.00
33.0000	.00	.00	.00	.00
33.2500	.00	.00	.00	.00
33.5000	.00	.00	.00	.00
33.7500	.00	.00	.00	.00
34.0000	.00	.00	.00	.00
34.2500	.00	.00	.00	.00
34.5000	.00	.00	.00	.00
34.7500	.00	.00	.00	.00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3A IN
HYG Tag = 100

Peak Discharge =	299.42 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	1179491 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
.00				
4.0000	.00	.00	.00	.00
.00				
4.2500	.00	.00	.00	.00
.00				
4.5000	.00	.00	.00	.00
.00				
4.7500	.00	.00	.00	.00
.00				
5.0000	.00	.00	.00	.00
.00				
5.2500	.00	.00	.00	.00
.00				
5.5000	.00	.00	.00	.00
.00				
5.7500	.00	.00	.00	.00
.00				
6.0000	.00	.00	.00	.00
.00				
6.2500	.00	.00	.00	.00
.00				
6.5000	.00	.00	.00	.00
.00				
6.7500	.00	.00	.00	.00
.00				
7.0000	.00	.00	.00	.00
.00				
7.2500	.01	.02	.04	.06
.09				
7.5000	.12	.16	.20	.24
.29				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.33	.38	.43	.47	.52
8.0000	.57	.62	.67	.73	.78
8.2500	.84	.90	.97	1.04	1.11
8.5000	1.18	1.26	1.35	1.43	1.53
8.7500	1.62	1.71	1.82	1.92	2.03
9.0000	2.14	2.25	2.36	2.48	2.59
9.2500	2.70	2.81	2.92	3.02	3.11
9.5000	3.21	3.30	3.39	3.49	3.59
9.7500	3.71	3.84	3.98	4.13	4.30
10.0000	4.47	4.66	4.86	5.07	5.29
10.2500	5.52	5.77	6.03	6.31	6.61
10.5000	6.91	7.23	7.57	7.93	8.30
10.7500	8.71	9.15	9.62	10.12	10.65
11.0000	11.21	11.79	12.41	13.10	13.87
11.2500	14.73	15.70	16.78	17.96	19.23
11.5000	20.61	22.48	25.37	30.31	38.39
11.7500	50.71	68.62	94.13	129.94	174.99
12.0000	223.09	264.62	291.58	299.42	287.73
12.2500	260.59	225.77	191.88	161.96	137.40
12.5000	117.86	102.12	89.13	78.31	69.56

12.7500	62.28	56.29	51.37	47.32	43.97
13.0000	41.15	38.77	36.70	34.84	33.16
13.2500	31.67	30.38	29.27	28.32	27.50
13.5000	26.73	26.00	25.30	24.62	23.98
13.7500	23.36	22.78	22.23	21.71	21.20
14.0000	20.70	20.22	19.75	19.30	18.89
14.2500	18.52	18.18	17.88	17.61	17.37
14.5000	17.15	16.94	16.75	16.57	16.39
14.7500	16.22	16.05	15.89	15.72	15.56
15.0000	15.40	15.24	15.08	14.92	14.76
15.2500	14.60	14.44	14.28	14.12	13.96
15.5000	13.79	13.63	13.47	13.31	13.15
15.7500	12.98	12.82	12.66	12.50	12.33
16.0000	12.17	12.01	11.85	11.70	11.55
16.2500	11.42	11.30	11.19	11.10	11.01
16.5000	10.93	10.86	10.79	10.73	10.66
16.7500	10.60	10.54	10.48	10.42	10.36
17.0000	10.30	10.25	10.19	10.13	10.07
17.2500	10.01	9.96	9.90	9.84	9.78
17.5000	9.73	9.67	9.61	9.55	9.49
17.7500	9.44	9.38	9.32	9.26	9.20
18.0000	9.14	9.09	9.03	8.97	8.91
18.2500	8.85	8.79	8.73	8.68	8.62
18.5000	8.56	8.50	8.44	8.38	8.32
18.7500	8.26	8.20	8.15	8.09	8.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	7.97	7.91	7.85	7.79
19.2500	7.67	7.61	7.55	7.49
19.5000	7.37	7.31	7.25	7.19
19.7500	7.07	7.01	6.95	6.89
20.0000	6.77	6.72	6.66	6.60
20.2500	6.50	6.46	6.43	6.40
20.5000	6.36	6.34	6.32	6.31
20.7500	6.28	6.26	6.25	6.24
21.0000	6.22	6.20	6.19	6.18
21.2500	6.16	6.15	6.13	6.12
21.5000	6.10	6.09	6.08	6.07
21.7500	6.04	6.03	6.02	6.01
22.0000	5.99	5.97	5.96	5.95
22.2500	5.93	5.92	5.91	5.89
22.5000	5.87	5.86	5.85	5.84
22.7500	5.81	5.80	5.79	5.78
23.0000	5.76	5.74	5.73	5.72
23.2500	5.70	5.69	5.67	5.66
23.5000	5.64	5.63	5.62	5.60
23.7500	5.58	5.57	5.56	5.55
5.53				

24.0000	5.50	5.42	5.22	4.82	4.23
24.2500	3.55	2.86	2.22	1.67	1.24
24.5000	.93	.70	.53	.40	.30
24.7500	.22	.17	.12	.09	.07
25.0000	.05	.04	.02	.02	.01
25.2500	.01	.00	.00	.00	.00
25.5000	.00	.00	.00	.00	.00
25.7500	.00	.00	.00	.00	.00
26.0000	.00	.00	.00	.00	.00
26.2500	.00	.00	.00	.00	.00
26.5000	.00	.00	.00	.00	.00
26.7500	.00	.00	.00	.00	.00
27.0000	.00	.00	.00	.00	.00
27.2500	.00	.00	.00	.00	.00
27.5000	.00	.00	.00	.00	.00
27.7500	.00	.00	.00	.00	.00
28.0000	.00	.00	.00	.00	.00
28.2500	.00	.00	.00	.00	.00
28.5000	.00	.00	.00	.00	.00
28.7500	.00	.00	.00	.00	.00
29.0000	.00	.00	.00	.00	.00
29.2500	.00	.00	.00	.00	.00
29.5000	.00	.00	.00	.00	.00
29.7500	.00	.00	.00	.00	.00
30.0000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00
30.5000	.00	.00	.00	.00
30.7500	.00	.00	.00	.00
31.0000	.00	.00	.00	.00
31.2500	.00	.00	.00	.00
31.5000	.00	.00	.00	.00
31.7500	.00	.00	.00	.00
32.0000	.00	.00	.00	.00
32.2500	.00	.00	.00	.00
32.5000	.00	.00	.00	.00
32.7500	.00	.00	.00	.00
33.0000	.00	.00	.00	.00
33.2500	.00	.00	.00	.00
33.5000	.00	.00	.00	.00
33.7500	.00	.00	.00	.00
34.0000	.00	.00	.00	.00
34.2500	.00	.00	.00	.00
34.5000	.00	.00	.00	.00
34.7500	.00	.00	.00	.00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3A OUT
HYG Tag = 15

Peak Discharge	79.47 cfs
Time to Peak	12.4500 hrs
HYG Volume	736788 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
.00				
4.0000	.00	.00	.00	.00
.00				
4.2500	.00	.00	.00	.00
.00				
4.5000	.00	.00	.00	.00
.00				
4.7500	.00	.00	.00	.00
.00				
5.0000	.00	.00	.00	.00
.00				
5.2500	.00	.00	.00	.00
.00				
5.5000	.00	.00	.00	.00
.00				
5.7500	.00	.00	.00	.00
.00				
6.0000	.00	.00	.00	.00
.00				
6.2500	.00	.00	.00	.00
.00				
6.5000	.00	.00	.00	.00
.00				
6.7500	.00	.00	.00	.00
.00				
7.0000	.00	.00	.00	.00
.00				
7.2500	.00	.00	.00	.00
.00				
7.5000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
7.7500	.00	.00	.00	.00 .00
8.0000	.00	.00	.00	.00 .00
8.2500	.00	.00	.00	.00 .00
8.5000	.00	.00	.00	.00 .00
8.7500	.00	.00	.00	.00 .01
9.0000	.01	.02	.03	.04 .05
9.2500	.07	.11	.14	.18 .27
9.5000	.37	.45	.53	.59 .66
9.7500	.74	.81	.88	.95 1.03
10.0000	1.11	1.19	1.27	1.35 1.44
10.2500	1.54	1.71	1.86	2.01 2.16
10.5000	2.31	2.47	2.63	2.80 2.98
10.7500	3.17	3.37	3.57	3.76 4.08
11.0000	4.40	4.68	4.95	5.25 5.65
11.2500	6.09	6.57	6.87	7.08 7.35
11.5000	7.69	8.12	8.69	9.51 10.89
11.7500	12.95	16.21	21.55	29.80 41.58
12.0000	51.06	60.91	68.42	71.88 73.07
12.2500	75.15	77.19	78.76	79.45 79.47
12.5000	78.98	78.08	76.85	75.42 73.88

12.7500	72.28	70.75	69.27	67.80	66.42
13.0000	65.22	64.01	62.90	61.79	59.94
13.2500	57.69	55.60	53.68	51.83	50.03
13.5000	48.32	46.65	45.00	43.42	41.93
13.7500	39.05	35.08	31.98	28.54	26.53
14.0000	24.23	21.85	20.13	18.95	17.80
14.2500	16.84	16.01	15.39	14.83	14.33
14.5000	13.87	13.46	13.09	12.77	12.51
14.7500	12.27	12.06	11.86	11.68	11.51
15.0000	11.35	11.19	11.02	10.85	10.70
15.2500	10.55	10.41	10.28	10.16	10.07
15.5000	9.97	9.87	9.77	9.67	9.56
15.7500	9.46	9.35	9.25	9.14	9.04
16.0000	8.93	8.82	8.72	8.61	8.50
16.2500	8.40	8.30	8.20	8.11	8.03
16.5000	7.95	7.87	7.80	7.73	7.67
16.7500	7.60	7.55	7.49	7.44	7.38
17.0000	7.33	7.29	7.24	7.19	7.15
17.2500	7.11	7.06	7.02	6.98	6.94
17.5000	6.90	6.85	6.81	6.78	6.64
17.7500	6.56	6.49	6.44	6.39	6.35
18.0000	6.30	6.26	6.22	6.18	6.15
18.2500	6.11	6.07	6.03	5.99	5.95
18.5000	5.91	5.87	5.83	5.79	5.75
18.7500	5.71	5.67	5.63	5.59	5.55

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	5.51	5.47	5.43	5.39
19.2500	5.32	5.29	5.25	5.21
19.5000	5.13	5.09	5.05	5.01
19.7500	4.93	4.89	4.85	4.81
20.0000	4.73	4.69	4.65	4.61
20.2500	4.53	4.49	4.45	4.43
20.5000	4.39	4.37	4.35	4.34
20.7500	4.32	4.31	4.30	4.29
21.0000	4.27	4.27	4.26	4.25
21.2500	4.24	4.23	4.22	4.21
21.5000	4.20	4.19	4.18	4.17
21.7500	4.16	4.15	4.14	4.14
22.0000	4.12	4.11	4.11	4.10
22.2500	4.08	4.08	4.07	4.06
22.5000	4.05	4.04	4.03	4.02
22.7500	4.01	4.00	3.99	3.98
23.0000	3.97	3.96	3.95	3.95
23.2500	3.93	3.92	3.91	3.91
23.5000	3.89	3.88	3.87	3.87
23.7500	3.85	3.84	3.84	3.83
3.82				

24.0000	3.81	3.79	3.75	3.66
3.49				
24.2500	3.18	2.80	2.39	1.98
1.59				
24.5000	1.37	1.17	.97	.79
.64				
24.7500	.52	.42	.33	.26
.20				
25.0000	.18	.16	.15	.13
.12				
25.2500	.11	.10	.09	.08
.07				
25.5000	.06	.06	.05	.05
.05				
25.7500	.05	.04	.04	.04
.04				
26.0000	.03	.03	.03	.03
.03				
26.2500	.03	.03	.02	.02
.02				
26.5000	.02	.02	.02	.02
.02				
26.7500	.02	.01	.01	.01
.01				
27.0000	.01	.01	.01	.01
.01				
27.2500	.01	.01	.01	.01
.01				
27.5000	.01	.01	.01	.01
.01				
27.7500	.01	.00	.00	.00
.00				
28.0000	.00	.00	.00	.00
.00				
28.2500	.00	.00	.00	.00
.00				
28.5000	.00	.00	.00	.00
.00				
28.7500	.00	.00	.00	.00
.00				
29.0000	.00	.00	.00	.00
.00				
29.2500	.00	.00	.00	.00
.00				
29.5000	.00	.00	.00	.00
.00				
29.7500	.00	.00	.00	.00
.00				
30.0000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00 .00
30.5000	.00	.00	.00	.00 .00
30.7500	.00	.00	.00	.00 .00
31.0000	.00	.00	.00	.00 .00
31.2500	.00	.00	.00	.00 .00
31.5000	.00	.00	.00	.00 .00
31.7500	.00	.00	.00	.00 .00
32.0000	.00	.00	.00	.00 .00
32.2500	.00	.00	.00	.00 .00
32.5000	.00	.00	.00	.00 .00
32.7500	.00	.00	.00	.00 .00
33.0000	.00	.00	.00	.00 .00
33.2500	.00	.00	.00	.00 .00
33.5000	.00	.00	.00	.00 .00
33.7500	.00	.00	.00	.00 .00
34.0000	.00	.00	.00	.00 .00
34.2500	.00	.00	.00	.00 .00
34.5000	.00	.00	.00	.00 .00
34.7500	.00	.00	.00	.00 .00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3A OUT
HYG Tag = 25

Peak Discharge	89.70 cfs
Time to Peak	12.4000 hrs
HYG Volume	856276 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
4.0000	.00	.00	.00	.00
4.2500	.00	.00	.00	.00
4.5000	.00	.00	.00	.00
4.7500	.00	.00	.00	.00
5.0000	.00	.00	.00	.00
5.2500	.00	.00	.00	.00
5.5000	.00	.00	.00	.00
5.7500	.00	.00	.00	.00
6.0000	.00	.00	.00	.00
6.2500	.00	.00	.00	.00
6.5000	.00	.00	.00	.00
6.7500	.00	.00	.00	.00
7.0000	.00	.00	.00	.00
7.2500	.00	.00	.00	.00
7.5000	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.01	.01	.02	.02	.03
8.7500	.05	.06	.09	.13	.17
9.0000	.23	.34	.43	.51	.59
9.2500	.67	.75	.83	.91	.98
9.5000	1.06	1.13	1.19	1.25	1.32
9.7500	1.39	1.46	1.54	1.67	1.79
10.0000	1.91	2.03	2.15	2.27	2.40
10.2500	2.53	2.67	2.82	2.98	3.15
10.5000	3.33	3.51	3.67	3.88	4.17
10.7500	4.44	4.68	4.91	5.18	5.50
11.0000	5.89	6.27	6.66	6.87	7.04
11.2500	7.26	7.54	7.87	8.28	8.75
11.5000	9.30	9.92	10.83	11.97	13.66
11.7500	16.25	20.49	27.12	36.96	47.92
12.0000	57.27	67.52	72.40	74.59	78.30
12.2500	82.71	86.31	88.81	89.70	89.50
12.5000	88.85	87.88	86.73	85.43	83.57

12.7500	81.55	79.47	77.46	75.51
73.65				
13.0000	71.84	70.16	68.64	67.15
65.75				
13.2500	64.57	63.43	62.37	61.27
58.99				
13.5000	56.77	54.76	52.90	51.09
49.33				
13.7500	47.65	45.99	44.39	42.85
41.40				
14.0000	37.51	33.86	30.94	27.69
26.17				
14.2500	23.43	21.35	19.86	18.83
17.78				
14.5000	16.94	16.22	15.65	15.18
14.77				
14.7500	14.39	14.04	13.73	13.45
13.19				
15.0000	12.96	12.75	12.56	12.40
12.24				
15.2500	12.09	11.94	11.79	11.65
11.51				
15.5000	11.38	11.25	11.10	10.94
10.79				
15.7500	10.65	10.50	10.37	10.23
10.12				
16.0000	10.02	9.91	9.80	9.69
9.58				
16.2500	9.47	9.36	9.25	9.15
9.06				
16.5000	8.96	8.88	8.80	8.72
8.65				
16.7500	8.58	8.51	8.45	8.39
8.33				
17.0000	8.27	8.22	8.16	8.11
8.06				
17.2500	8.02	7.97	7.92	7.88
7.83				
17.5000	7.79	7.74	7.70	7.65
7.61				
17.7500	7.56	7.52	7.47	7.43
7.38				
18.0000	7.34	7.30	7.25	7.21
7.16				
18.2500	7.12	7.07	7.03	6.98
6.94				
18.5000	6.89	6.85	6.80	6.72
6.59				
18.7500	6.50	6.43	6.37	6.32
6.27				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	6.22	6.18	6.13	6.09
19.2500	6.00	5.95	5.90	5.86
19.5000	5.77	5.72	5.68	5.63
19.7500	5.54	5.49	5.45	5.40
20.0000	5.32	5.28	5.24	5.19
20.2500	5.11	5.08	5.04	5.01
20.5000	4.96	4.94	4.92	4.91
20.7500	4.88	4.87	4.86	4.85
21.0000	4.83	4.82	4.81	4.80
21.2500	4.78	4.77	4.76	4.75
21.5000	4.74	4.73	4.72	4.71
21.7500	4.69	4.68	4.68	4.67
22.0000	4.65	4.64	4.63	4.62
22.2500	4.61	4.60	4.59	4.58
22.5000	4.56	4.55	4.55	4.53
22.7500	4.51	4.51	4.50	4.49
23.0000	4.47	4.46	4.45	4.44
23.2500	4.43	4.42	4.41	4.40
23.5000	4.38	4.37	4.36	4.36
23.7500	4.34	4.33	4.32	4.31

24.0000	4.29	4.26	4.20	4.06
3.80				
24.2500	3.56	3.16	2.70	2.23
1.80				
24.5000	1.46	1.26	1.06	.87
.70				
24.7500	.57	.47	.37	.29
.23				
25.0000	.19	.17	.15	.14
.13				
25.2500	.11	.10	.09	.08
.07				
25.5000	.06	.06	.05	.05
.05				
25.7500	.05	.04	.04	.04
.04				
26.0000	.04	.03	.03	.03
.03				
26.2500	.03	.03	.02	.02
.02				
26.5000	.02	.02	.02	.02
.02				
26.7500	.02	.01	.01	.01
.01				
27.0000	.01	.01	.01	.01
.01				
27.2500	.01	.01	.01	.01
.01				
27.5000	.01	.01	.01	.01
.01				
27.7500	.01	.00	.00	.00
.00				
28.0000	.00	.00	.00	.00
.00				
28.2500	.00	.00	.00	.00
.00				
28.5000	.00	.00	.00	.00
.00				
28.7500	.00	.00	.00	.00
.00				
29.0000	.00	.00	.00	.00
.00				
29.2500	.00	.00	.00	.00
.00				
29.5000	.00	.00	.00	.00
.00				
29.7500	.00	.00	.00	.00
.00				
30.0000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00 .00
30.5000	.00	.00	.00	.00 .00
30.7500	.00	.00	.00	.00 .00
31.0000	.00	.00	.00	.00 .00
31.2500	.00	.00	.00	.00 .00
31.5000	.00	.00	.00	.00 .00
31.7500	.00	.00	.00	.00 .00
32.0000	.00	.00	.00	.00 .00
32.2500	.00	.00	.00	.00 .00
32.5000	.00	.00	.00	.00 .00
32.7500	.00	.00	.00	.00 .00
33.0000	.00	.00	.00	.00 .00
33.2500	.00	.00	.00	.00 .00
33.5000	.00	.00	.00	.00 .00
33.7500	.00	.00	.00	.00 .00
34.0000	.00	.00	.00	.00 .00
34.2500	.00	.00	.00	.00 .00
34.5000	.00	.00	.00	.00 .00
34.7500	.00	.00	.00	.00 .00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3A OUT
HYG Tag = 100

Peak Discharge =	110.98 cfs
Time to Peak =	12.4500 hrs
HYG Volume =	1179576 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
4.0000	.00	.00	.00	.00
4.2500	.00	.00	.00	.00
4.5000	.00	.00	.00	.00
4.7500	.00	.00	.00	.00
5.0000	.00	.00	.00	.00
5.2500	.00	.00	.00	.00
5.5000	.00	.00	.00	.00
5.7500	.00	.00	.00	.00
6.0000	.00	.00	.00	.00
6.2500	.00	.00	.00	.00
6.5000	.00	.00	.00	.00
6.7500	.00	.00	.00	.00
7.0000	.00	.00	.00	.00
7.2500	.00	.00	.00	.01
7.5000	.01	.02	.03	.04

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
7.7500	.07	.10	.14	.17 .22
8.0000	.31	.39	.46	.52 .58
8.2500	.64	.70	.77	.83 .90
8.5000	.97	1.04	1.11	1.18 1.26
8.7500	1.33	1.41	1.50	1.62 1.76
9.0000	1.89	2.01	2.13	2.24 2.36
9.2500	2.47	2.59	2.69	2.80 2.90
9.5000	3.00	3.10	3.19	3.29 3.38
9.7500	3.49	3.57	3.67	3.79 3.99
10.0000	4.17	4.35	4.54	4.69 4.87
10.2500	5.06	5.27	5.53	5.82 6.11
10.5000	6.40	6.70	6.85	6.98 7.14
10.7500	7.33	7.55	7.81	8.09 8.43
11.0000	8.80	9.19	9.62	10.08 10.69
11.2500	11.33	11.93	12.60	13.41 14.30
11.5000	15.22	16.28	17.68	19.48 22.29
11.7500	26.61	33.09	42.93	50.94 61.58
12.0000	69.42	74.50	80.70	90.01 97.35
12.2500	103.06	107.15	109.61	110.77 110.98
12.5000	110.81	110.30	109.42	108.22 106.77

12.7500	105.06	103.17	101.17	98.98	96.89
13.0000	94.66	92.43	90.32	88.24	86.37
13.2500	84.47	82.66	79.99	77.53	75.20
13.5000	73.24	71.33	69.62	68.09	66.61
13.7500	65.26	64.09	63.04	62.02	60.66
14.0000	58.39	56.23	54.28	52.45	50.66
14.2500	48.95	47.34	45.70	44.16	42.69
14.5000	41.30	37.28	33.93	31.20	28.15
14.7500	26.87	24.43	22.47	21.16	20.09
15.0000	19.28	18.62	17.95	17.41	16.94
15.2500	16.52	16.15	15.85	15.58	15.33
15.5000	15.09	14.87	14.66	14.45	14.25
15.7500	14.04	13.85	13.66	13.47	13.29
16.0000	13.11	12.93	12.76	12.60	12.45
16.2500	12.30	12.16	12.02	11.88	11.76
16.5000	11.64	11.52	11.42	11.31	11.22
16.7500	11.12	11.01	10.92	10.83	10.75
17.0000	10.67	10.60	10.52	10.46	10.39
17.2500	10.32	10.26	10.20	10.15	10.10
17.5000	10.05	10.00	9.95	9.89	9.84
17.7500	9.79	9.73	9.67	9.62	9.56
18.0000	9.51	9.45	9.39	9.33	9.28
18.2500	9.22	9.16	9.10	9.04	8.99
18.5000	8.93	8.87	8.81	8.75	8.69
18.7500	8.63	8.58	8.52	8.46	8.40

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	8.34	8.28	8.22	8.16
19.2500	8.05	7.99	7.93	7.88
19.5000	7.76	7.70	7.64	7.58
19.7500	7.47	7.41	7.35	7.29
20.0000	7.17	7.11	7.05	6.99
20.2500	6.88	6.82	6.77	6.60
20.5000	6.44	6.40	6.37	6.34
20.7500	6.31	6.29	6.28	6.26
21.0000	6.24	6.22	6.21	6.20
21.2500	6.18	6.17	6.16	6.14
21.5000	6.12	6.11	6.10	6.09
21.7500	6.06	6.05	6.04	6.03
22.0000	6.01	6.00	5.98	5.97
22.2500	5.95	5.94	5.93	5.91
22.5000	5.89	5.88	5.87	5.86
22.7500	5.83	5.82	5.81	5.80
23.0000	5.78	5.76	5.75	5.74
23.2500	5.72	5.71	5.69	5.68
23.5000	5.66	5.65	5.64	5.63
23.7500	5.60	5.59	5.58	5.57

24.0000	5.54	5.51	5.42	5.26
5.00				
24.2500	4.60	3.97	3.47	2.88
2.33				
24.5000	1.84	1.47	1.27	1.06
.87				
24.7500	.70	.57	.46	.36
.28				
25.0000	.22	.19	.17	.15
.14				
25.2500	.12	.11	.10	.09
.08				
25.5000	.07	.06	.06	.05
.05				
25.7500	.05	.05	.04	.04
.04				
26.0000	.04	.04	.03	.03
.03				
26.2500	.03	.03	.03	.02
.02				
26.5000	.02	.02	.02	.02
.02				
26.7500	.02	.02	.01	.01
.01				
27.0000	.01	.01	.01	.01
.01				
27.2500	.01	.01	.01	.01
.01				
27.5000	.01	.01	.01	.01
.01				
27.7500	.01	.01	.00	.00
.00				
28.0000	.00	.00	.00	.00
.00				
28.2500	.00	.00	.00	.00
.00				
28.5000	.00	.00	.00	.00
.00				
28.7500	.00	.00	.00	.00
.00				
29.0000	.00	.00	.00	.00
.00				
29.2500	.00	.00	.00	.00
.00				
29.5000	.00	.00	.00	.00
.00				
29.7500	.00	.00	.00	.00
.00				
30.0000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00
30.5000	.00	.00	.00	.00
30.7500	.00	.00	.00	.00
31.0000	.00	.00	.00	.00
31.2500	.00	.00	.00	.00
31.5000	.00	.00	.00	.00
31.7500	.00	.00	.00	.00
32.0000	.00	.00	.00	.00
32.2500	.00	.00	.00	.00
32.5000	.00	.00	.00	.00
32.7500	.00	.00	.00	.00
33.0000	.00	.00	.00	.00
33.2500	.00	.00	.00	.00
33.5000	.00	.00	.00	.00
33.7500	.00	.00	.00	.00
34.0000	.00	.00	.00	.00
34.2500	.00	.00	.00	.00
34.5000	.00	.00	.00	.00
34.7500	.00	.00	.00	.00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3B IN
HYG Tag = 15

Peak Discharge	80.46 cfs
Time to Peak	12.4000 hrs
HYG Volume	747895 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
4.0000	.00	.00	.00	.00
4.2500	.00	.00	.00	.00
4.5000	.00	.00	.00	.00
4.7500	.00	.00	.00	.00
5.0000	.00	.00	.00	.00
5.2500	.00	.00	.00	.00
5.5000	.00	.00	.00	.00
5.7500	.00	.00	.00	.00
6.0000	.00	.00	.00	.00
6.2500	.00	.00	.00	.00
6.5000	.00	.00	.00	.00
6.7500	.00	.00	.00	.00
7.0000	.00	.00	.00	.00
7.2500	.00	.00	.00	.00
7.5000	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.01
9.0000	.01	.02	.03	.04	.05
9.2500	.07	.11	.14	.18	.27
9.5000	.37	.45	.53	.59	.66
9.7500	.74	.81	.88	.96	1.04
10.0000	1.12	1.19	1.27	1.36	1.45
10.2500	1.55	1.72	1.88	2.03	2.18
10.5000	2.33	2.49	2.66	2.83	3.01
10.7500	3.20	3.41	3.61	3.81	4.13
11.0000	4.46	4.74	5.02	5.32	5.73
11.2500	6.18	6.67	6.98	7.20	7.48
11.5000	7.84	8.28	8.89	9.78	11.27
11.7500	13.51	17.04	22.75	31.57	44.04
12.0000	54.16	64.35	71.81	74.84	75.46
12.2500	77.01	78.65	79.95	80.46	80.33
12.5000	79.74	78.75	77.45	75.96	74.37

12.7500	72.73	71.18	69.68	68.18	66.79
13.0000	65.58	64.35	63.23	62.11	60.25
13.2500	57.99	55.89	53.97	52.11	50.30
13.5000	48.58	46.91	45.25	43.67	42.17
13.7500	39.29	35.31	32.20	28.76	26.74
14.0000	24.44	22.06	20.33	19.15	17.99
14.2500	17.03	16.20	15.57	15.01	14.51
14.5000	14.04	13.63	13.27	12.95	12.68
14.7500	12.45	12.23	12.03	11.85	11.67
15.0000	11.51	11.35	11.18	11.01	10.85
15.2500	10.70	10.56	10.43	10.31	10.21
15.5000	10.11	10.01	9.91	9.81	9.70
15.7500	9.60	9.49	9.38	9.28	9.17
16.0000	9.06	8.95	8.84	8.73	8.63
16.2500	8.52	8.42	8.32	8.23	8.14
16.5000	8.06	7.99	7.91	7.85	7.78
16.7500	7.72	7.66	7.60	7.55	7.50
17.0000	7.45	7.40	7.35	7.30	7.26
17.2500	7.21	7.17	7.13	7.08	7.04
17.5000	7.00	6.96	6.92	6.88	6.75
17.7500	6.66	6.59	6.54	6.49	6.45
18.0000	6.40	6.36	6.32	6.28	6.24
18.2500	6.20	6.16	6.12	6.08	6.04
18.5000	6.00	5.96	5.92	5.88	5.84
18.7500	5.80	5.76	5.72	5.68	5.64

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	5.60	5.56	5.52	5.48
19.2500	5.40	5.37	5.33	5.29
19.5000	5.21	5.17	5.13	5.09
19.7500	5.01	4.97	4.93	4.88
20.0000	4.80	4.76	4.72	4.68
20.2500	4.60	4.56	4.52	4.50
20.5000	4.46	4.44	4.42	4.41
20.7500	4.39	4.38	4.37	4.36
21.0000	4.34	4.33	4.33	4.32
21.2500	4.30	4.30	4.29	4.28
21.5000	4.26	4.26	4.25	4.24
21.7500	4.23	4.22	4.21	4.20
22.0000	4.19	4.18	4.17	4.16
22.2500	4.15	4.14	4.13	4.13
22.5000	4.11	4.10	4.10	4.09
22.7500	4.07	4.06	4.06	4.05
23.0000	4.03	4.02	4.02	4.01
23.2500	3.99	3.99	3.98	3.97
23.5000	3.95	3.95	3.94	3.93
23.7500	3.91	3.91	3.90	3.89
24.0000	3.88			

24.0000	3.87	3.84	3.80	3.70
3.53				
24.2500	3.20	2.82	2.40	1.98
1.59				
24.5000	1.37	1.18	.97	.79
.64				
24.7500	.52	.42	.33	.26
.20				
25.0000	.18	.16	.15	.13
.12				
25.2500	.11	.10	.09	.08
.07				
25.5000	.06	.06	.05	.05
.05				
25.7500	.05	.04	.04	.04
.04				
26.0000	.03	.03	.03	.03
.03				
26.2500	.03	.03	.02	.02
.02				
26.5000	.02	.02	.02	.02
.02				
26.7500	.02	.01	.01	.01
.01				
27.0000	.01	.01	.01	.01
.01				
27.2500	.01	.01	.01	.01
.01				
27.5000	.01	.01	.01	.01
.01				
27.7500	.01	.00	.00	.00
.00				
28.0000	.00	.00	.00	.00
.00				
28.2500	.00	.00	.00	.00
.00				
28.5000	.00	.00	.00	.00
.00				
28.7500	.00	.00	.00	.00
.00				
29.0000	.00	.00	.00	.00
.00				
29.2500	.00	.00	.00	.00
.00				
29.5000	.00	.00	.00	.00
.00				
29.7500	.00	.00	.00	.00
.00				
30.0000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00 .00
30.5000	.00	.00	.00	.00 .00
30.7500	.00	.00	.00	.00 .00
31.0000	.00	.00	.00	.00 .00
31.2500	.00	.00	.00	.00 .00
31.5000	.00	.00	.00	.00 .00
31.7500	.00	.00	.00	.00 .00
32.0000	.00	.00	.00	.00 .00
32.2500	.00	.00	.00	.00 .00
32.5000	.00	.00	.00	.00 .00
32.7500	.00	.00	.00	.00 .00
33.0000	.00	.00	.00	.00 .00
33.2500	.00	.00	.00	.00 .00
33.5000	.00	.00	.00	.00 .00
33.7500	.00	.00	.00	.00 .00
34.0000	.00	.00	.00	.00 .00
34.2500	.00	.00	.00	.00 .00
34.5000	.00	.00	.00	.00 .00
34.7500	.00	.00	.00	.00 .00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3B IN
HYG Tag = 25

Peak Discharge	90.87 cfs
Time to Peak	12.4000 hrs
HYG Volume	869331 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
4.0000	.00	.00	.00	.00
4.2500	.00	.00	.00	.00
4.5000	.00	.00	.00	.00
4.7500	.00	.00	.00	.00
5.0000	.00	.00	.00	.00
5.2500	.00	.00	.00	.00
5.5000	.00	.00	.00	.00
5.7500	.00	.00	.00	.00
6.0000	.00	.00	.00	.00
6.2500	.00	.00	.00	.00
6.5000	.00	.00	.00	.00
6.7500	.00	.00	.00	.00
7.0000	.00	.00	.00	.00
7.2500	.00	.00	.00	.00
7.5000	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
7.7500	.00	.00	.00	.00 .00
8.0000	.00	.00	.00	.00 .00
8.2500	.00	.00	.00	.00 .00
8.5000	.01	.01	.02	.02 .03
8.7500	.05	.06	.09	.13 .17
9.0000	.23	.34	.43	.51 .59
9.2500	.67	.75	.83	.91 .99
9.5000	1.06	1.13	1.20	1.26 1.33
9.7500	1.40	1.47	1.55	1.68 1.81
10.0000	1.93	2.04	2.17	2.29 2.42
10.2500	2.56	2.70	2.85	3.02 3.19
10.5000	3.37	3.56	3.72	3.93 4.22
10.7500	4.50	4.74	4.98	5.25 5.58
11.0000	5.97	6.36	6.76	6.97 7.15
11.2500	7.38	7.67	8.02	8.44 8.93
11.5000	9.49	10.13	11.09	12.31 14.14
11.7500	16.95	21.52	28.60	39.11 50.87
12.0000	60.96	71.59	76.39	78.07 81.09
12.2500	84.89	88.02	90.20	90.87 90.50
12.5000	89.73	88.66	87.42	86.05 84.13

12.7500	82.08	79.96	77.92	75.95
74.08				
13.0000	72.25	70.55	69.02	67.51
66.10				
13.2500	64.91	63.76	62.70	61.59
59.30				
13.5000	57.07	55.06	53.19	51.37
49.60				
13.7500	47.92	46.26	44.65	43.10
41.65				
14.0000	37.75	34.09	31.17	27.92
26.39				
14.2500	23.65	21.56	20.07	19.04
17.99				
14.5000	17.14	16.42	15.86	15.38
14.96				
14.7500	14.59	14.23	13.92	13.64
13.38				
15.0000	13.14	12.93	12.75	12.58
12.42				
15.2500	12.26	12.11	11.96	11.82
11.68				
15.5000	11.54	11.41	11.26	11.10
10.95				
15.7500	10.80	10.66	10.52	10.38
10.27				
16.0000	10.16	10.05	9.94	9.83
9.72				
16.2500	9.61	9.50	9.39	9.29
9.19				
16.5000	9.10	9.01	8.93	8.85
8.78				
16.7500	8.71	8.64	8.58	8.51
8.46				
17.0000	8.40	8.34	8.29	8.24
8.19				
17.2500	8.14	8.09	8.05	8.00
7.95				
17.5000	7.91	7.86	7.82	7.77
7.72				
17.7500	7.68	7.63	7.59	7.54
7.50				
18.0000	7.45	7.41	7.36	7.32
7.27				
18.2500	7.23	7.18	7.14	7.09
7.04				
18.5000	7.00	6.95	6.91	6.82
6.70				
18.7500	6.60	6.53	6.47	6.42
6.37				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	6.32	6.28	6.23	6.18
19.2500	6.09	6.04	6.00	5.95
19.5000	5.86	5.81	5.77	5.72
19.7500	5.63	5.58	5.53	5.49
20.0000	5.40	5.36	5.32	5.28
20.2500	5.19	5.16	5.12	5.09
20.5000	5.04	5.02	5.00	4.99
20.7500	4.96	4.95	4.93	4.92
21.0000	4.90	4.89	4.88	4.88
21.2500	4.86	4.85	4.84	4.83
21.5000	4.81	4.80	4.80	4.79
21.7500	4.77	4.76	4.75	4.74
22.0000	4.73	4.72	4.71	4.70
22.2500	4.68	4.67	4.66	4.65
22.5000	4.64	4.63	4.62	4.61
22.7500	4.59	4.58	4.57	4.56
23.0000	4.54	4.53	4.53	4.52
23.2500	4.50	4.49	4.48	4.47
23.5000	4.45	4.44	4.44	4.43
23.7500	4.41	4.40	4.39	4.38
4.37				

24.0000	4.36	4.33	4.26	4.10
3.84				
24.2500	3.58	3.18	2.71	2.24
1.80				
24.5000	1.47	1.27	1.07	.87
.70				
24.7500	.57	.47	.37	.29
.23				
25.0000	.19	.17	.15	.14
.13				
25.2500	.11	.10	.09	.08
.07				
25.5000	.06	.06	.05	.05
.05				
25.7500	.05	.04	.04	.04
.04				
26.0000	.04	.03	.03	.03
.03				
26.2500	.03	.03	.02	.02
.02				
26.5000	.02	.02	.02	.02
.02				
26.7500	.02	.01	.01	.01
.01				
27.0000	.01	.01	.01	.01
.01				
27.2500	.01	.01	.01	.01
.01				
27.5000	.01	.01	.01	.01
.01				
27.7500	.01	.00	.00	.00
.00				
28.0000	.00	.00	.00	.00
.00				
28.2500	.00	.00	.00	.00
.00				
28.5000	.00	.00	.00	.00
.00				
28.7500	.00	.00	.00	.00
.00				
29.0000	.00	.00	.00	.00
.00				
29.2500	.00	.00	.00	.00
.00				
29.5000	.00	.00	.00	.00
.00				
29.7500	.00	.00	.00	.00
.00				
30.0000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00
30.5000	.00	.00	.00	.00
30.7500	.00	.00	.00	.00
31.0000	.00	.00	.00	.00
31.2500	.00	.00	.00	.00
31.5000	.00	.00	.00	.00
31.7500	.00	.00	.00	.00
32.0000	.00	.00	.00	.00
32.2500	.00	.00	.00	.00
32.5000	.00	.00	.00	.00
32.7500	.00	.00	.00	.00
33.0000	.00	.00	.00	.00
33.2500	.00	.00	.00	.00
33.5000	.00	.00	.00	.00
33.7500	.00	.00	.00	.00
34.0000	.00	.00	.00	.00
34.2500	.00	.00	.00	.00
34.5000	.00	.00	.00	.00
34.7500	.00	.00	.00	.00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3B IN
HYG Tag = 100

Peak Discharge =	112.38 cfs
Time to Peak =	12.4000 hrs
HYG Volume =	1197962 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
4.0000	.00	.00	.00	.00
4.2500	.00	.00	.00	.00
4.5000	.00	.00	.00	.00
4.7500	.00	.00	.00	.00
5.0000	.00	.00	.00	.00
5.2500	.00	.00	.00	.00
5.5000	.00	.00	.00	.00
5.7500	.00	.00	.00	.00
6.0000	.00	.00	.00	.00
6.2500	.00	.00	.00	.00
6.5000	.00	.00	.00	.00
6.7500	.00	.00	.00	.00
7.0000	.00	.00	.00	.00
7.2500	.00	.00	.00	.01
7.5000	.01	.02	.03	.04

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
7.7500	.07	.10	.14	.17 .22
8.0000	.31	.39	.46	.52 .58
8.2500	.64	.70	.77	.83 .90
8.5000	.97	1.04	1.12	1.19 1.26
8.7500	1.34	1.42	1.51	1.63 1.77
9.0000	1.90	2.03	2.15	2.26 2.38
9.2500	2.50	2.61	2.72	2.83 2.93
9.5000	3.03	3.13	3.23	3.32 3.42
9.7500	3.53	3.62	3.72	3.84 4.04
10.0000	4.22	4.41	4.60	4.76 4.93
10.2500	5.13	5.34	5.61	5.90 6.19
10.5000	6.49	6.80	6.95	7.08 7.25
10.7500	7.45	7.68	7.94	8.24 8.58
11.0000	8.96	9.36	9.80	10.27 10.89
11.2500	11.56	12.17	12.86	13.69 14.61
11.5000	15.55	16.64	18.12	20.05 23.07
11.7500	27.74	34.69	45.18	54.14 65.89
12.0000	74.73	80.28	86.32	94.87 101.24
12.2500	106.08	109.51	111.53	112.38 112.36
12.5000	112.00	111.36	110.36	109.06 107.54

12.7500	105.77	103.83	101.80	99.58	97.46
13.0000	95.21	92.96	90.84	88.73	86.85
13.2500	84.93	83.11	80.42	77.95	75.62
13.5000	73.65	71.73	70.00	68.47	66.97
13.7500	65.61	64.44	63.38	62.35	60.99
14.0000	58.71	56.54	54.58	52.75	50.95
14.2500	49.24	47.62	45.98	44.44	42.97
14.5000	41.57	37.55	34.19	31.46	28.41
14.7500	27.13	24.69	22.73	21.42	20.34
15.0000	19.53	18.86	18.20	17.65	17.17
15.2500	16.76	16.38	16.07	15.80	15.55
15.5000	15.31	15.09	14.88	14.67	14.46
15.7500	14.25	14.05	13.86	13.67	13.49
16.0000	13.31	13.13	12.95	12.79	12.63
16.2500	12.49	12.34	12.20	12.06	11.93
16.5000	11.81	11.70	11.59	11.49	11.39
16.7500	11.29	11.19	11.09	11.00	10.92
17.0000	10.84	10.76	10.69	10.62	10.55
17.2500	10.49	10.42	10.36	10.31	10.26
17.5000	10.21	10.15	10.10	10.05	9.99
17.7500	9.94	9.88	9.83	9.77	9.71
18.0000	9.65	9.60	9.54	9.48	9.42
18.2500	9.36	9.30	9.24	9.18	9.13
18.5000	9.07	9.01	8.95	8.89	8.83
18.7500	8.77	8.71	8.65	8.59	8.53

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	8.47	8.41	8.35	8.29
19.2500	8.17	8.11	8.06	8.00
19.5000	7.88	7.82	7.76	7.70
19.7500	7.58	7.52	7.46	7.40
20.0000	7.28	7.22	7.16	7.10
20.2500	6.98	6.93	6.88	6.70
20.5000	6.55	6.50	6.47	6.45
20.7500	6.41	6.39	6.38	6.37
21.0000	6.34	6.33	6.31	6.30
21.2500	6.28	6.27	6.26	6.25
21.5000	6.22	6.21	6.20	6.19
21.7500	6.16	6.15	6.14	6.13
22.0000	6.11	6.09	6.08	6.07
22.2500	6.05	6.04	6.02	6.01
22.5000	5.99	5.98	5.97	5.95
22.7500	5.93	5.92	5.91	5.89
23.0000	5.87	5.86	5.85	5.84
23.2500	5.81	5.80	5.79	5.78
23.5000	5.75	5.74	5.73	5.72
23.7500	5.69	5.68	5.67	5.66

24.0000	5.63	5.59	5.50	5.33
5.05				
24.2500	4.63	3.99	3.48	2.89
2.33				
24.5000	1.84	1.47	1.27	1.06
.87				
24.7500	.70	.57	.46	.36
.28				
25.0000	.22	.19	.17	.15
.14				
25.2500	.12	.11	.10	.09
.08				
25.5000	.07	.06	.06	.05
.05				
25.7500	.05	.05	.04	.04
.04				
26.0000	.04	.04	.03	.03
.03				
26.2500	.03	.03	.03	.02
.02				
26.5000	.02	.02	.02	.02
.02				
26.7500	.02	.02	.01	.01
.01				
27.0000	.01	.01	.01	.01
.01				
27.2500	.01	.01	.01	.01
.01				
27.5000	.01	.01	.01	.01
.01				
27.7500	.01	.01	.00	.00
.00				
28.0000	.00	.00	.00	.00
.00				
28.2500	.00	.00	.00	.00
.00				
28.5000	.00	.00	.00	.00
.00				
28.7500	.00	.00	.00	.00
.00				
29.0000	.00	.00	.00	.00
.00				
29.2500	.00	.00	.00	.00
.00				
29.5000	.00	.00	.00	.00
.00				
29.7500	.00	.00	.00	.00
.00				
30.0000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00
30.5000	.00	.00	.00	.00
30.7500	.00	.00	.00	.00
31.0000	.00	.00	.00	.00
31.2500	.00	.00	.00	.00
31.5000	.00	.00	.00	.00
31.7500	.00	.00	.00	.00
32.0000	.00	.00	.00	.00
32.2500	.00	.00	.00	.00
32.5000	.00	.00	.00	.00
32.7500	.00	.00	.00	.00
33.0000	.00	.00	.00	.00
33.2500	.00	.00	.00	.00
33.5000	.00	.00	.00	.00
33.7500	.00	.00	.00	.00
34.0000	.00	.00	.00	.00
34.2500	.00	.00	.00	.00
34.5000	.00	.00	.00	.00
34.7500	.00	.00	.00	.00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3B OUT
HYG Tag = 15

Peak Discharge	77.37 cfs
Time to Peak	12.6000 hrs
HYG Volume	747917 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
4.0000	.00	.00	.00	.00
4.2500	.00	.00	.00	.00
4.5000	.00	.00	.00	.00
4.7500	.00	.00	.00	.00
5.0000	.00	.00	.00	.00
5.2500	.00	.00	.00	.00
5.5000	.00	.00	.00	.00
5.7500	.00	.00	.00	.00
6.0000	.00	.00	.00	.00
6.2500	.00	.00	.00	.00
6.5000	.00	.00	.00	.00
6.7500	.00	.00	.00	.00
7.0000	.00	.00	.00	.00
7.2500	.00	.00	.00	.00
7.5000	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
7.7500	.00	.00	.00	.00	.00
8.0000	.00	.00	.00	.00	.00
8.2500	.00	.00	.00	.00	.00
8.5000	.00	.00	.00	.00	.00
8.7500	.00	.00	.00	.00	.00
9.0000	.00	.00	.01	.01	.02
9.2500	.02	.03	.05	.07	.10
9.5000	.15	.21	.29	.37	.45
9.7500	.54	.63	.71	.79	.87
10.0000	.95	1.03	1.11	1.19	1.24
10.2500	1.28	1.33	1.41	1.49	1.59
10.5000	1.69	1.83	1.98	2.13	2.29
10.7500	2.45	2.61	2.77	2.94	3.13
11.0000	3.37	3.63	3.89	4.18	4.48
11.2500	4.82	5.21	5.60	5.98	6.33
11.5000	6.67	7.04	7.46	7.97	8.69
11.7500	9.72	11.28	13.94	18.17	24.85
12.0000	31.48	38.75	46.66	54.03	60.01
12.2500	64.59	68.40	71.52	73.84	75.38
12.5000	76.48	77.14	77.37	77.21	76.72

12.7500	75.97	75.02	73.94	72.69	71.21
13.0000	69.77	68.39	67.07	65.81	64.47
13.2500	62.93	61.27	59.48	57.66	55.82
13.5000	54.03	52.27	50.55	48.86	47.24
13.7500	45.47	43.22	40.68	37.98	35.27
14.0000	32.81	30.32	28.08	25.65	23.15
14.2500	21.25	19.67	18.41	17.37	16.50
14.5000	15.78	15.18	14.65	14.18	13.76
14.7500	13.39	13.06	12.77	12.51	12.27
15.0000	12.06	11.86	11.67	11.50	11.34
15.2500	11.18	11.03	10.87	10.73	10.60
15.5000	10.47	10.36	10.25	10.14	10.03
15.7500	9.93	9.82	9.72	9.61	9.50
16.0000	9.40	9.29	9.18	9.07	8.96
16.2500	8.85	8.74	8.64	8.53	8.43
16.5000	8.34	8.25	8.17	8.09	8.01
16.7500	7.94	7.87	7.80	7.74	7.68
17.0000	7.63	7.57	7.52	7.47	7.42
17.2500	7.37	7.32	7.27	7.23	7.18
17.5000	7.14	7.10	7.06	7.01	6.96
17.7500	6.89	6.82	6.75	6.69	6.63
18.0000	6.58	6.53	6.48	6.44	6.39
18.2500	6.35	6.31	6.27	6.22	6.18
18.5000	6.14	6.10	6.06	6.02	5.98
18.7500	5.94	5.90	5.86	5.82	5.78

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	5.74	5.70	5.66	5.62
19.2500	5.54	5.50	5.47	5.43
19.5000	5.35	5.31	5.27	5.24
19.7500	5.16	5.11	5.07	5.03
20.0000	4.95	4.91	4.87	4.83
20.2500	4.75	4.71	4.67	4.64
20.5000	4.57	4.54	4.52	4.49
20.7500	4.46	4.44	4.43	4.41
21.0000	4.39	4.38	4.37	4.36
21.2500	4.34	4.33	4.32	4.31
21.5000	4.30	4.29	4.28	4.27
21.7500	4.26	4.25	4.24	4.23
22.0000	4.22	4.21	4.20	4.20
22.2500	4.18	4.17	4.16	4.16
22.5000	4.14	4.13	4.13	4.12
22.7500	4.10	4.09	4.09	4.08
23.0000	4.06	4.05	4.05	4.04
23.2500	4.02	4.02	4.01	4.00
23.5000	3.98	3.98	3.97	3.96
23.7500	3.94	3.94	3.93	3.92
3.91				

24.0000	3.90	3.89	3.88	3.85	3.80
24.2500	3.71	3.56	3.36	3.12	2.88
24.5000	2.63	2.38	2.11	1.87	1.66
24.7500	1.49	1.33	1.14	.80	.59
25.0000	.44	.36	.30	.25	.22
25.2500	.19	.17	.15	.13	.12
25.5000	.11	.09	.09	.08	.07
25.7500	.07	.07	.06	.06	.06
26.0000	.05	.05	.05	.04	.04
26.2500	.04	.04	.04	.03	.03
26.5000	.03	.03	.03	.03	.02
26.7500	.02	.02	.02	.02	.02
27.0000	.02	.02	.02	.01	.01
27.2500	.01	.01	.01	.01	.01
27.5000	.01	.01	.01	.01	.01
27.7500	.01	.01	.01	.01	.01
28.0000	.01	.01	.01	.00	.00
28.2500	.00	.00	.00	.00	.00
28.5000	.00	.00	.00	.00	.00
28.7500	.00	.00	.00	.00	.00
29.0000	.00	.00	.00	.00	.00
29.2500	.00	.00	.00	.00	.00
29.5000	.00	.00	.00	.00	.00
29.7500	.00	.00	.00	.00	.00
30.0000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00
30.5000	.00	.00	.00	.00
30.7500	.00	.00	.00	.00
31.0000	.00	.00	.00	.00
31.2500	.00	.00	.00	.00
31.5000	.00	.00	.00	.00
31.7500	.00	.00	.00	.00
32.0000	.00	.00	.00	.00
32.2500	.00	.00	.00	.00
32.5000	.00	.00	.00	.00
32.7500	.00	.00	.00	.00
33.0000	.00	.00	.00	.00
33.2500	.00	.00	.00	.00
33.5000	.00	.00	.00	.00
33.7500	.00	.00	.00	.00
34.0000	.00	.00	.00	.00
34.2500	.00	.00	.00	.00
34.5000	.00	.00	.00	.00
34.7500	.00	.00	.00	.00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3B OUT
HYG Tag = 25

Peak Discharge =	86.46 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	869342 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
.00				
4.0000	.00	.00	.00	.00
.00				
4.2500	.00	.00	.00	.00
.00				
4.5000	.00	.00	.00	.00
.00				
4.7500	.00	.00	.00	.00
.00				
5.0000	.00	.00	.00	.00
.00				
5.2500	.00	.00	.00	.00
.00				
5.5000	.00	.00	.00	.00
.00				
5.7500	.00	.00	.00	.00
.00				
6.0000	.00	.00	.00	.00
.00				
6.2500	.00	.00	.00	.00
.00				
6.5000	.00	.00	.00	.00
.00				
6.7500	.00	.00	.00	.00
.00				
7.0000	.00	.00	.00	.00
.00				
7.2500	.00	.00	.00	.00
.00				
7.5000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
7.7500	.00	.00	.00	.00 .00
8.0000	.00	.00	.00	.00 .00
8.2500	.00	.00	.00	.00 .00
8.5000	.00	.00	.00	.01 .01
8.7500	.02	.02	.03	.04 .06
9.0000	.08	.13	.19	.26 .35
9.2500	.43	.53	.63	.72 .80
9.5000	.89	.97	1.05	1.12 1.19
9.7500	1.23	1.26	1.30	1.35 1.41
10.0000	1.48	1.56	1.65	1.74 1.86
10.2500	1.99	2.12	2.25	2.39 2.52
10.5000	2.66	2.80	2.95	3.11 3.31
10.7500	3.53	3.76	4.00	4.25 4.51
11.0000	4.80	5.13	5.48	5.83 6.14
11.2500	6.43	6.71	7.01	7.34 7.70
11.5000	8.12	8.60	9.17	9.86 10.80
11.7500	12.21	14.39	17.81	23.21 29.69
12.0000	36.42	44.42	52.56	59.53 65.21
12.2500	70.31	74.60	78.03	80.94 83.22
12.5000	84.84	85.87	86.38	86.46 86.14

12.7500	85.43	84.39	83.10	81.66	80.11
13.0000	78.50	76.82	75.15	73.53	71.71
13.2500	69.94	68.33	66.87	65.51	64.04
13.5000	62.37	60.62	58.78	56.93	55.11
13.7500	53.33	51.59	49.88	48.22	46.65
14.0000	44.74	42.32	39.77	37.02	34.45
14.2500	32.03	29.63	27.46	24.91	22.68
14.5000	20.96	19.54	18.41	17.48	16.71
14.7500	16.06	15.55	15.10	14.69	14.33
15.0000	14.00	13.70	13.44	13.20	12.98
15.2500	12.78	12.59	12.42	12.25	12.09
15.5000	11.94	11.80	11.65	11.52	11.38
15.7500	11.23	11.09	10.95	10.81	10.67
16.0000	10.54	10.42	10.30	10.19	10.07
16.2500	9.96	9.85	9.74	9.63	9.52
16.5000	9.42	9.32	9.22	9.13	9.04
16.7500	8.96	8.88	8.80	8.73	8.66
17.0000	8.59	8.53	8.47	8.41	8.35
17.2500	8.30	8.25	8.20	8.15	8.10
17.5000	8.05	8.00	7.96	7.91	7.87
17.7500	7.82	7.78	7.73	7.69	7.64
18.0000	7.60	7.55	7.51	7.46	7.42
18.2500	7.37	7.33	7.28	7.24	7.19
18.5000	7.14	7.10	7.05	7.00	6.94
18.7500	6.86	6.78	6.71	6.64	6.58

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	6.52	6.47	6.41	6.36
19.2500	6.26	6.21	6.16	6.11
19.5000	6.02	5.97	5.93	5.88
19.7500	5.79	5.74	5.69	5.65
20.0000	5.56	5.52	5.47	5.43
20.2500	5.35	5.30	5.26	5.23
20.5000	5.16	5.13	5.10	5.07
20.7500	5.03	5.01	4.99	4.98
21.0000	4.95	4.94	4.93	4.91
21.2500	4.89	4.88	4.87	4.86
21.5000	4.85	4.84	4.83	4.82
21.7500	4.80	4.79	4.78	4.77
22.0000	4.76	4.75	4.74	4.73
22.2500	4.71	4.71	4.70	4.69
22.5000	4.67	4.66	4.65	4.64
22.7500	4.63	4.62	4.61	4.60
23.0000	4.58	4.57	4.56	4.55
23.2500	4.53	4.53	4.52	4.51
23.5000	4.49	4.48	4.47	4.46
23.7500	4.44	4.44	4.43	4.42
4.41				

24.0000	4.40	4.39	4.37	4.32
4.25				
24.2500	4.13	3.96	3.74	3.47
3.17				
24.5000	2.88	2.61	2.34	2.07
1.81				
24.7500	1.61	1.44	1.28	1.01
.72				
25.0000	.52	.41	.33	.28
.24				
25.2500	.21	.18	.16	.14
.13				
25.5000	.11	.10	.09	.08
.08				
25.7500	.07	.07	.06	.06
.06				
26.0000	.05	.05	.05	.05
.04				
26.2500	.04	.04	.04	.03
.03				
26.5000	.03	.03	.03	.03
.02				
26.7500	.02	.02	.02	.02
.02				
27.0000	.02	.02	.02	.01
.01				
27.2500	.01	.01	.01	.01
.01				
27.5000	.01	.01	.01	.01
.01				
27.7500	.01	.01	.01	.01
.01				
28.0000	.01	.01	.01	.00
.00				
28.2500	.00	.00	.00	.00
.00				
28.5000	.00	.00	.00	.00
.00				
28.7500	.00	.00	.00	.00
.00				
29.0000	.00	.00	.00	.00
.00				
29.2500	.00	.00	.00	.00
.00				
29.5000	.00	.00	.00	.00
.00				
29.7500	.00	.00	.00	.00
.00				
30.0000	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00
30.5000	.00	.00	.00	.00
30.7500	.00	.00	.00	.00
31.0000	.00	.00	.00	.00
31.2500	.00	.00	.00	.00
31.5000	.00	.00	.00	.00
31.7500	.00	.00	.00	.00
32.0000	.00	.00	.00	.00
32.2500	.00	.00	.00	.00
32.5000	.00	.00	.00	.00
32.7500	.00	.00	.00	.00
33.0000	.00	.00	.00	.00
33.2500	.00	.00	.00	.00
33.5000	.00	.00	.00	.00
33.7500	.00	.00	.00	.00
34.0000	.00	.00	.00	.00
34.2500	.00	.00	.00	.00
34.5000	.00	.00	.00	.00
34.7500	.00	.00	.00	.00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = BASIN3B OUT
HYG Tag = 100

Peak Discharge =	109.60 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	1197985 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	.00	.00	.00	.00
.2500	.00	.00	.00	.00
.5000	.00	.00	.00	.00
.7500	.00	.00	.00	.00
1.0000	.00	.00	.00	.00
1.2500	.00	.00	.00	.00
1.5000	.00	.00	.00	.00
1.7500	.00	.00	.00	.00
2.0000	.00	.00	.00	.00
2.2500	.00	.00	.00	.00
2.5000	.00	.00	.00	.00
2.7500	.00	.00	.00	.00
3.0000	.00	.00	.00	.00
3.2500	.00	.00	.00	.00
3.5000	.00	.00	.00	.00

3.7500	.00	.00	.00	.00
4.0000	.00	.00	.00	.00
4.2500	.00	.00	.00	.00
4.5000	.00	.00	.00	.00
4.7500	.00	.00	.00	.00
5.0000	.00	.00	.00	.00
5.2500	.00	.00	.00	.00
5.5000	.00	.00	.00	.00
5.7500	.00	.00	.00	.00
6.0000	.00	.00	.00	.00
6.2500	.00	.00	.00	.00
6.5000	.00	.00	.00	.00
6.7500	.00	.00	.00	.00
7.0000	.00	.00	.00	.00
7.2500	.00	.00	.00	.00
7.5000	.00	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
7.7500	.02	.03	.05	.06 .08
8.0000	.13	.18	.24	.32 .39
8.2500	.45	.53	.61	.68 .75
8.5000	.82	.89	.97	1.04 1.11
8.7500	1.19	1.23	1.27	1.31 1.38
9.0000	1.45	1.53	1.61	1.71 1.82
9.2500	1.95	2.07	2.19	2.31 2.42
9.5000	2.53	2.62	2.72	2.82 2.92
9.7500	3.02	3.12	3.24	3.35 3.47
10.0000	3.61	3.76	3.92	4.09 4.26
10.2500	4.43	4.61	4.81	5.04 5.29
10.5000	5.54	5.82	6.09	6.33 6.54
10.7500	6.75	6.97	7.20	7.44 7.70
11.0000	7.99	8.32	8.68	9.07 9.49
11.2500	9.96	10.49	11.06	11.70 12.47
11.5000	13.29	14.15	15.14	16.38 18.11
11.7500	20.56	24.20	28.90	34.17 40.97
12.0000	48.95	56.95	64.40	71.92 78.30
12.2500	84.22	89.75	94.59	98.72 103.29
12.5000	106.76	108.68	109.53	109.60 109.09

12.7500	108.14	106.84	105.26	103.48	101.78
13.0000	99.97	98.15	96.67	95.06	93.38
13.2500	91.63	89.85	87.95	85.91	83.75
13.5000	81.62	79.54	77.51	75.54	73.70
13.7500	71.72	69.81	68.12	66.61	65.19
14.0000	63.64	61.95	60.17	58.32	56.48
14.2500	54.68	52.93	51.22	49.55	47.94
14.5000	46.41	44.53	42.16	39.70	37.08
14.7500	34.65	32.42	30.17	28.19	26.17
15.0000	23.96	22.32	21.05	19.98	19.11
15.2500	18.40	17.80	17.27	16.82	16.44
15.5000	16.10	15.82	15.56	15.32	15.09
15.7500	14.86	14.64	14.43	14.22	14.02
16.0000	13.83	13.64	13.45	13.27	13.10
16.2500	12.93	12.77	12.61	12.46	12.31
16.5000	12.17	12.04	11.92	11.80	11.69
16.7500	11.58	11.49	11.39	11.29	11.19
17.0000	11.11	11.02	10.93	10.86	10.78
17.2500	10.71	10.63	10.57	10.50	10.44
17.5000	10.38	10.33	10.27	10.22	10.17
17.7500	10.11	10.06	10.00	9.95	9.89
18.0000	9.83	9.78	9.72	9.66	9.60
18.2500	9.55	9.49	9.43	9.37	9.31
18.5000	9.25	9.19	9.13	9.07	9.01
18.7500	8.95	8.89	8.83	8.77	8.71

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.0000	8.65	8.59	8.53	8.47
19.2500	8.35	8.29	8.23	8.18
19.5000	8.06	8.00	7.94	7.88
19.7500	7.77	7.71	7.65	7.59
20.0000	7.47	7.41	7.35	7.29
20.2500	7.17	7.11	7.06	6.99
20.5000	6.81	6.74	6.67	6.62
20.7500	6.53	6.50	6.47	6.45
21.0000	6.40	6.39	6.37	6.35
21.2500	6.33	6.31	6.30	6.29
21.5000	6.26	6.25	6.24	6.23
21.7500	6.20	6.19	6.18	6.17
22.0000	6.15	6.13	6.12	6.11
22.2500	6.09	6.08	6.06	6.05
22.5000	6.03	6.02	6.01	5.99
22.7500	5.97	5.96	5.95	5.94
23.0000	5.91	5.90	5.89	5.88
23.2500	5.85	5.84	5.83	5.82
23.5000	5.79	5.78	5.77	5.76
23.7500	5.73	5.72	5.71	5.70
5.69				

24.0000	5.68	5.66	5.63	5.58	5.48
24.2500	5.33	5.08	4.75	4.40	3.99
24.5000	3.59	3.18	2.85	2.55	2.24
24.7500	1.95	1.69	1.51	1.34	1.13
25.0000	.78	.57	.43	.35	.29
25.2500	.24	.21	.18	.16	.14
25.5000	.13	.11	.10	.09	.08
25.7500	.08	.07	.07	.06	.06
26.0000	.06	.05	.05	.05	.05
26.2500	.04	.04	.04	.04	.03
26.5000	.03	.03	.03	.03	.03
26.7500	.02	.02	.02	.02	.02
27.0000	.02	.02	.02	.02	.01
27.2500	.01	.01	.01	.01	.01
27.5000	.01	.01	.01	.01	.01
27.7500	.01	.01	.01	.01	.01
28.0000	.01	.01	.01	.01	.00
28.2500	.00	.00	.00	.00	.00
28.5000	.00	.00	.00	.00	.00
28.7500	.00	.00	.00	.00	.00
29.0000	.00	.00	.00	.00	.00
29.2500	.00	.00	.00	.00	.00
29.5000	.00	.00	.00	.00	.00
29.7500	.00	.00	.00	.00	.00
30.0000	.00	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
30.2500	.00	.00	.00	.00
30.5000	.00	.00	.00	.00
30.7500	.00	.00	.00	.00
31.0000	.00	.00	.00	.00
31.2500	.00	.00	.00	.00
31.5000	.00	.00	.00	.00
31.7500	.00	.00	.00	.00
32.0000	.00	.00	.00	.00
32.2500	.00	.00	.00	.00
32.5000	.00	.00	.00	.00
32.7500	.00	.00	.00	.00
33.0000	.00	.00	.00	.00
33.2500	.00	.00	.00	.00
33.5000	.00	.00	.00	.00
33.7500	.00	.00	.00	.00
34.0000	.00	.00	.00	.00
34.2500	.00	.00	.00	.00
34.5000	.00	.00	.00	.00
34.7500	.00	.00	.00	.00
35.0000	.00			

PondPack Ver: Compute Time: Date:

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 30
HYG Tag = 15

Peak Discharge =	79.47 cfs
Time to Peak =	12.4500 hrs
HYG Volume =	736780 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.8000	.00	.00	.00	.01	.01
9.0500	.02	.03	.04	.05	.07
9.3000	.11	.14	.18	.27	.37
9.5500	.45	.53	.59	.66	.74
9.8000	.81	.88	.95	1.03	1.11
10.0500	1.19	1.27	1.35	1.44	1.54
10.3000	1.71	1.86	2.01	2.16	2.31
10.5500	2.47	2.63	2.80	2.98	3.17
10.8000	3.37	3.57	3.76	4.08	4.40
11.0500	4.68	4.95	5.25	5.65	6.09
11.3000	6.57	6.87	7.08	7.35	7.69
11.5500	8.12	8.69	9.51	10.89	12.95
11.8000	16.21	21.55	29.80	41.58	51.06
12.0500	60.91	68.42	71.88	73.07	75.15
12.3000	77.19	78.76	79.45	79.47	78.98

12.5500	78.08	76.85	75.42	73.88	72.28
12.8000	70.75	69.27	67.80	66.42	65.22
13.0500	64.01	62.90	61.79	59.94	57.69
13.3000	55.60	53.68	51.83	50.03	48.32
13.5500	46.65	45.00	43.42	41.93	39.05
13.8000	35.08	31.98	28.54	26.53	24.23
14.0500	21.85	20.13	18.95	17.80	16.84
14.3000	16.01	15.39	14.83	14.33	13.87
14.5500	13.46	13.09	12.77	12.51	12.27
14.8000	12.06	11.86	11.68	11.51	11.35
15.0500	11.19	11.02	10.85	10.70	10.55
15.3000	10.41	10.28	10.16	10.07	9.97
15.5500	9.87	9.77	9.67	9.56	9.46
15.8000	9.35	9.25	9.14	9.04	8.93
16.0500	8.82	8.72	8.61	8.50	8.40
16.3000	8.30	8.20	8.11	8.03	7.95

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.5500	7.87	7.80	7.73	7.67
16.8000	7.55	7.49	7.44	7.38
17.0500	7.29	7.24	7.19	7.15
17.3000	7.06	7.02	6.98	6.94
17.5500	6.85	6.81	6.78	6.64
17.8000	6.49	6.44	6.39	6.35
18.0500	6.26	6.22	6.18	6.15
18.3000	6.07	6.03	5.99	5.95
18.5500	5.87	5.83	5.79	5.75
18.8000	5.67	5.63	5.59	5.55
19.0500	5.47	5.43	5.39	5.35
19.3000	5.29	5.25	5.21	5.17
19.5500	5.09	5.05	5.01	4.97
19.8000	4.89	4.85	4.81	4.77
20.0500	4.69	4.65	4.61	4.57
20.3000	4.49	4.45	4.43	4.40
20.5500	4.37	4.35	4.34	4.33
20.8000	4.31	4.30	4.29	4.28
21.0500	4.27	4.26	4.25	4.24
21.3000	4.23	4.22	4.21	4.21
4.20				

21.5500	4.19	4.18	4.17	4.17	4.16
21.8000	4.15	4.14	4.14	4.13	4.12
22.0500	4.11	4.11	4.10	4.09	4.08
22.3000	4.08	4.07	4.06	4.05	4.05
22.5500	4.04	4.03	4.02	4.01	4.01
22.8000	4.00	3.99	3.98	3.98	3.97
23.0500	3.96	3.95	3.95	3.94	3.93
23.3000	3.92	3.91	3.91	3.90	3.89
23.5500	3.88	3.87	3.87	3.86	3.85
23.8000	3.84	3.84	3.83	3.82	3.81
24.0500	3.79	3.75	3.66	3.49	3.18
24.3000	2.80	2.39	1.98	1.59	1.37
24.5500	1.17	.97	.79	.64	.52
24.8000	.42	.33	.26	.20	.18
25.0500	.16	.15	.13	.12	.11
25.3000	.10	.09	.08	.07	.06
25.5500	.06	.05	.05	.05	.05
25.8000	.04	.04	.04	.04	.03
26.0500	.03	.03	.03	.03	.03
26.3000	.03	.02	.02	.02	.02
26.5500	.02	.02	.02	.02	.02
26.8000	.01	.01	.01	.01	.01
27.0500	.01	.01	.01	.01	.01
27.3000	.01	.01	.01	.01	.01
27.5500	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.8000	.00	.00	.00	.00 .00
28.0500	.00	.00	.00	.00 .00
28.3000	.00	.00	.00	.00 .00
28.5500	.00	.00	.00	.00 .00
28.8000	.00	.00	.00	.00 .00
29.0500	.00	.00	.00	.00 .00
29.3000	.00			

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 30
HYG Tag = 15

Peak Discharge =	79.47 cfs
Time to Peak =	12.4500 hrs
HYG Volume =	736780 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.8000	.00	.00	.00	.01	.01
9.0500	.02	.03	.04	.05	.07
9.3000	.11	.14	.18	.27	.37
9.5500	.45	.53	.59	.66	.74
9.8000	.81	.88	.95	1.03	1.11
10.0500	1.19	1.27	1.35	1.44	1.54
10.3000	1.71	1.86	2.01	2.16	2.31
10.5500	2.47	2.63	2.80	2.98	3.17
10.8000	3.37	3.57	3.76	4.08	4.40
11.0500	4.68	4.95	5.25	5.65	6.09
11.3000	6.57	6.87	7.08	7.35	7.69
11.5500	8.12	8.69	9.51	10.89	12.95
11.8000	16.21	21.55	29.80	41.58	51.06
12.0500	60.91	68.42	71.88	73.07	75.15
12.3000	77.19	78.76	79.45	79.47	78.98

12.5500	78.08	76.85	75.42	73.88	72.28
12.8000	70.75	69.27	67.80	66.42	65.22
13.0500	64.01	62.90	61.79	59.94	57.69
13.3000	55.60	53.68	51.83	50.03	48.32
13.5500	46.65	45.00	43.42	41.93	39.05
13.8000	35.08	31.98	28.54	26.53	24.23
14.0500	21.85	20.13	18.95	17.80	16.84
14.3000	16.01	15.39	14.83	14.33	13.87
14.5500	13.46	13.09	12.77	12.51	12.27
14.8000	12.06	11.86	11.68	11.51	11.35
15.0500	11.19	11.02	10.85	10.70	10.55
15.3000	10.41	10.28	10.16	10.07	9.97
15.5500	9.87	9.77	9.67	9.56	9.46
15.8000	9.35	9.25	9.14	9.04	8.93
16.0500	8.82	8.72	8.61	8.50	8.40
16.3000	8.30	8.20	8.11	8.03	7.95

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.5500	7.87	7.80	7.73	7.67
16.8000	7.55	7.49	7.44	7.38
17.0500	7.29	7.24	7.19	7.15
17.3000	7.06	7.02	6.98	6.94
17.5500	6.85	6.81	6.78	6.64
17.8000	6.49	6.44	6.39	6.35
18.0500	6.26	6.22	6.18	6.15
18.3000	6.07	6.03	5.99	5.95
18.5500	5.87	5.83	5.79	5.75
18.8000	5.67	5.63	5.59	5.55
19.0500	5.47	5.43	5.39	5.35
19.3000	5.29	5.25	5.21	5.17
19.5500	5.09	5.05	5.01	4.97
19.8000	4.89	4.85	4.81	4.77
20.0500	4.69	4.65	4.61	4.57
20.3000	4.49	4.45	4.43	4.40
20.5500	4.37	4.35	4.34	4.33
20.8000	4.31	4.30	4.29	4.28
21.0500	4.27	4.26	4.25	4.24
21.3000	4.23	4.22	4.21	4.21
4.20				

21.5500	4.19	4.18	4.17	4.17
4.16				
21.8000	4.15	4.14	4.14	4.13
4.12				
22.0500	4.11	4.11	4.10	4.09
4.08				
22.3000	4.08	4.07	4.06	4.05
4.05				
22.5500	4.04	4.03	4.02	4.01
4.01				
22.8000	4.00	3.99	3.98	3.98
3.97				
23.0500	3.96	3.95	3.95	3.94
3.93				
23.3000	3.92	3.91	3.91	3.90
3.89				
23.5500	3.88	3.87	3.87	3.86
3.85				
23.8000	3.84	3.84	3.83	3.82
3.81				
24.0500	3.79	3.75	3.66	3.49
3.18				
24.3000	2.80	2.39	1.98	1.59
1.37				
24.5500	1.17	.97	.79	.64
.52				
24.8000	.42	.33	.26	.20
.18				
25.0500	.16	.15	.13	.12
.11				
25.3000	.10	.09	.08	.07
.06				
25.5500	.06	.05	.05	.05
.05				
25.8000	.04	.04	.04	.04
.03				
26.0500	.03	.03	.03	.03
.03				
26.3000	.03	.02	.02	.02
.02				
26.5500	.02	.02	.02	.02
.02				
26.8000	.01	.01	.01	.01
.01				
27.0500	.01	.01	.01	.01
.01				
27.3000	.01	.01	.01	.01
.01				
27.5500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.8000	.00	.00	.00	.00 .00
28.0500	.00	.00	.00	.00 .00
28.3000	.00	.00	.00	.00 .00
28.5500	.00	.00	.00	.00 .00
28.8000	.00	.00	.00	.00 .00
29.0500	.00	.00	.00	.00 .00
29.3000	.00			

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 30
HYG Tag = 25

Peak Discharge =	89.70 cfs
Time to Peak =	12.4000 hrs
HYG Volume =	856268 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.3500	.00	.00	.00	.01	.01
8.6000	.02	.02	.03	.05	.06
8.8500	.09	.13	.17	.23	.34
9.1000	.43	.51	.59	.67	.75
9.3500	.83	.91	.98	1.06	1.13
9.6000	1.19	1.25	1.32	1.39	1.46
9.8500	1.54	1.67	1.79	1.91	2.03
10.1000	2.15	2.27	2.40	2.53	2.67
10.3500	2.82	2.98	3.15	3.33	3.51
10.6000	3.67	3.88	4.17	4.44	4.68
10.8500	4.91	5.18	5.50	5.89	6.27
11.1000	6.66	6.87	7.04	7.26	7.54
11.3500	7.87	8.28	8.75	9.30	9.92
11.6000	10.83	11.97	13.66	16.25	20.49
11.8500	27.12	36.96	47.92	57.27	67.52

12.1000	72.40	74.59	78.30	82.71
86.31				
12.3500	88.81	89.70	89.50	88.85
87.88				
12.6000	86.73	85.43	83.57	81.55
79.47				
12.8500	77.46	75.51	73.65	71.84
70.16				
13.1000	68.64	67.15	65.75	64.57
63.43				
13.3500	62.37	61.27	58.99	56.77
54.76				
13.6000	52.90	51.09	49.33	47.65
45.99				
13.8500	44.39	42.85	41.40	37.51
33.86				
14.1000	30.94	27.69	26.17	23.43
21.35				
14.3500	19.86	18.83	17.78	16.94
16.22				
14.6000	15.65	15.18	14.77	14.39
14.04				
14.8500	13.73	13.45	13.19	12.96
12.75				
15.1000	12.56	12.40	12.24	12.09
11.94				
15.3500	11.79	11.65	11.51	11.38
11.25				
15.6000	11.10	10.94	10.79	10.65
10.50				
15.8500	10.37	10.23	10.12	10.02
9.91				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.1000	9.80	9.69	9.58	9.47 9.36
16.3500	9.25	9.15	9.06	8.96 8.88
16.6000	8.80	8.72	8.65	8.58 8.51
16.8500	8.45	8.39	8.33	8.27 8.22
17.1000	8.16	8.11	8.06	8.02 7.97
17.3500	7.92	7.88	7.83	7.79 7.74
17.6000	7.70	7.65	7.61	7.56 7.52
17.8500	7.47	7.43	7.38	7.34 7.30
18.1000	7.25	7.21	7.16	7.12 7.07
18.3500	7.03	6.98	6.94	6.89 6.85
18.6000	6.80	6.72	6.59	6.50 6.43
18.8500	6.37	6.32	6.27	6.22 6.18
19.1000	6.13	6.09	6.04	6.00 5.95
19.3500	5.90	5.86	5.81	5.77 5.72
19.6000	5.68	5.63	5.58	5.54 5.49
19.8500	5.45	5.40	5.36	5.32 5.28
20.1000	5.24	5.19	5.15	5.11 5.08
20.3500	5.04	5.01	4.98	4.96 4.94
20.6000	4.92	4.91	4.89	4.88 4.87
20.8500	4.86	4.85	4.84	4.83 4.82

21.1000	4.81	4.80	4.79	4.78	4.77
21.3500	4.76	4.75	4.75	4.74	4.73
21.6000	4.72	4.71	4.70	4.69	4.68
21.8500	4.68	4.67	4.66	4.65	4.64
22.1000	4.63	4.62	4.62	4.61	4.60
22.3500	4.59	4.58	4.57	4.56	4.55
22.6000	4.55	4.53	4.52	4.51	4.51
22.8500	4.50	4.49	4.48	4.47	4.46
23.1000	4.45	4.44	4.44	4.43	4.42
23.3500	4.41	4.40	4.39	4.38	4.37
23.6000	4.36	4.36	4.35	4.34	4.33
23.8500	4.32	4.31	4.30	4.29	4.26
24.1000	4.20	4.06	3.80	3.56	3.16
24.3500	2.70	2.23	1.80	1.46	1.26
24.6000	1.06	.87	.70	.57	.47
24.8500	.37	.29	.23	.19	.17
25.1000	.15	.14	.13	.11	.10
25.3500	.09	.08	.07	.06	.06
25.6000	.05	.05	.05	.05	.04
25.8500	.04	.04	.04	.04	.03
26.1000	.03	.03	.03	.03	.03
26.3500	.02	.02	.02	.02	.02
26.6000	.02	.02	.02	.02	.01
26.8500	.01	.01	.01	.01	.01
27.1000	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.3500	.01	.01	.01	.01 .01
27.6000	.01	.01	.01	.01 .00
27.8500	.00	.00	.00	.00 .00
28.1000	.00	.00	.00	.00 .00
28.3500	.00	.00	.00	.00 .00
28.6000	.00	.00	.00	.00 .00
28.8500	.00	.00	.00	.00 .00
29.1000	.00	.00	.00	.00 .00

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 30
HYG Tag = 25

Peak Discharge =	89.70 cfs
Time to Peak =	12.4000 hrs
HYG Volume =	856268 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.3500	.00	.00	.00	.01	.01
8.6000	.02	.02	.03	.05	.06
8.8500	.09	.13	.17	.23	.34
9.1000	.43	.51	.59	.67	.75
9.3500	.83	.91	.98	1.06	1.13
9.6000	1.19	1.25	1.32	1.39	1.46
9.8500	1.54	1.67	1.79	1.91	2.03
10.1000	2.15	2.27	2.40	2.53	2.67
10.3500	2.82	2.98	3.15	3.33	3.51
10.6000	3.67	3.88	4.17	4.44	4.68
10.8500	4.91	5.18	5.50	5.89	6.27
11.1000	6.66	6.87	7.04	7.26	7.54
11.3500	7.87	8.28	8.75	9.30	9.92
11.6000	10.83	11.97	13.66	16.25	20.49
11.8500	27.12	36.96	47.92	57.27	67.52

12.1000	72.40	74.59	78.30	82.71
86.31				
12.3500	88.81	89.70	89.50	88.85
87.88				
12.6000	86.73	85.43	83.57	81.55
79.47				
12.8500	77.46	75.51	73.65	71.84
70.16				
13.1000	68.64	67.15	65.75	64.57
63.43				
13.3500	62.37	61.27	58.99	56.77
54.76				
13.6000	52.90	51.09	49.33	47.65
45.99				
13.8500	44.39	42.85	41.40	37.51
33.86				
14.1000	30.94	27.69	26.17	23.43
21.35				
14.3500	19.86	18.83	17.78	16.94
16.22				
14.6000	15.65	15.18	14.77	14.39
14.04				
14.8500	13.73	13.45	13.19	12.96
12.75				
15.1000	12.56	12.40	12.24	12.09
11.94				
15.3500	11.79	11.65	11.51	11.38
11.25				
15.6000	11.10	10.94	10.79	10.65
10.50				
15.8500	10.37	10.23	10.12	10.02
9.91				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.1000	9.80	9.69	9.58	9.47 9.36
16.3500	9.25	9.15	9.06	8.96 8.88
16.6000	8.80	8.72	8.65	8.58 8.51
16.8500	8.45	8.39	8.33	8.27 8.22
17.1000	8.16	8.11	8.06	8.02 7.97
17.3500	7.92	7.88	7.83	7.79 7.74
17.6000	7.70	7.65	7.61	7.56 7.52
17.8500	7.47	7.43	7.38	7.34 7.30
18.1000	7.25	7.21	7.16	7.12 7.07
18.3500	7.03	6.98	6.94	6.89 6.85
18.6000	6.80	6.72	6.59	6.50 6.43
18.8500	6.37	6.32	6.27	6.22 6.18
19.1000	6.13	6.09	6.04	6.00 5.95
19.3500	5.90	5.86	5.81	5.77 5.72
19.6000	5.68	5.63	5.58	5.54 5.49
19.8500	5.45	5.40	5.36	5.32 5.28
20.1000	5.24	5.19	5.15	5.11 5.08
20.3500	5.04	5.01	4.98	4.96 4.94
20.6000	4.92	4.91	4.89	4.88 4.87
20.8500	4.86	4.85	4.84	4.83 4.82

21.1000	4.81	4.80	4.79	4.78	4.77
21.3500	4.76	4.75	4.75	4.74	4.73
21.6000	4.72	4.71	4.70	4.69	4.68
21.8500	4.68	4.67	4.66	4.65	4.64
22.1000	4.63	4.62	4.62	4.61	4.60
22.3500	4.59	4.58	4.57	4.56	4.55
22.6000	4.55	4.53	4.52	4.51	4.51
22.8500	4.50	4.49	4.48	4.47	4.46
23.1000	4.45	4.44	4.44	4.43	4.42
23.3500	4.41	4.40	4.39	4.38	4.37
23.6000	4.36	4.36	4.35	4.34	4.33
23.8500	4.32	4.31	4.30	4.29	4.26
24.1000	4.20	4.06	3.80	3.56	3.16
24.3500	2.70	2.23	1.80	1.46	1.26
24.6000	1.06	.87	.70	.57	.47
24.8500	.37	.29	.23	.19	.17
25.1000	.15	.14	.13	.11	.10
25.3500	.09	.08	.07	.06	.06
25.6000	.05	.05	.05	.05	.04
25.8500	.04	.04	.04	.04	.03
26.1000	.03	.03	.03	.03	.03
26.3500	.02	.02	.02	.02	.02
26.6000	.02	.02	.02	.02	.01
26.8500	.01	.01	.01	.01	.01
27.1000	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.3500	.01	.01	.01	.01 .01
27.6000	.01	.01	.01	.01 .00
27.8500	.00	.00	.00	.00 .00
28.1000	.00	.00	.00	.00 .00
28.3500	.00	.00	.00	.00 .00
28.6000	.00	.00	.00	.00 .00
28.8500	.00	.00	.00	.00 .00
29.1000	.00	.00	.00	.00 .00

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 30
HYG Tag = 100

Peak Discharge =	110.98 cfs
Time to Peak =	12.4500 hrs
HYG Volume =	1179573 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.2500	.00	.00	.00	.01
7.5000	.01	.02	.03	.04
7.7500	.07	.10	.14	.17
8.0000	.31	.39	.46	.52
8.2500	.64	.70	.77	.83
8.5000	.97	1.04	1.11	1.18
8.7500	1.33	1.41	1.50	1.62
9.0000	1.89	2.01	2.13	2.24
9.2500	2.47	2.59	2.69	2.80
9.5000	3.00	3.10	3.19	3.29
9.7500	3.49	3.57	3.67	3.79
10.0000	4.17	4.35	4.54	4.69
10.2500	5.06	5.27	5.53	5.82
10.5000	6.40	6.70	6.85	6.98
10.7500	7.33	7.55	7.81	8.09

8.43				

11.0000	8.80	9.19	9.62	10.08
10.69				
11.2500	11.33	11.93	12.60	13.41
14.30				
11.5000	15.22	16.28	17.68	19.48
22.29				
11.7500	26.61	33.09	42.93	50.94
61.58				
12.0000	69.42	74.50	80.70	90.01
97.35				
12.2500	103.06	107.15	109.61	110.77
110.98				
12.5000	110.81	110.30	109.42	108.22
106.77				
12.7500	105.06	103.17	101.17	98.98
96.89				
13.0000	94.66	92.43	90.32	88.24
86.37				
13.2500	84.47	82.66	79.99	77.53
75.20				
13.5000	73.24	71.33	69.62	68.09
66.61				
13.7500	65.26	64.09	63.04	62.02
60.66				
14.0000	58.39	56.23	54.28	52.45
50.66				
14.2500	48.95	47.34	45.70	44.16
42.69				
14.5000	41.30	37.28	33.93	31.20
28.15				
14.7500	26.87	24.43	22.47	21.16
20.09				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.0000	19.28	18.62	17.95	17.41	16.94
15.2500	16.52	16.15	15.85	15.58	15.33
15.5000	15.09	14.87	14.66	14.45	14.25
15.7500	14.04	13.85	13.66	13.47	13.29
16.0000	13.11	12.93	12.76	12.60	12.45
16.2500	12.30	12.16	12.02	11.88	11.76
16.5000	11.64	11.52	11.42	11.31	11.22
16.7500	11.12	11.01	10.92	10.83	10.75
17.0000	10.67	10.60	10.52	10.46	10.39
17.2500	10.32	10.26	10.20	10.15	10.10
17.5000	10.05	10.00	9.95	9.89	9.84
17.7500	9.79	9.73	9.67	9.62	9.56
18.0000	9.51	9.45	9.39	9.33	9.28
18.2500	9.22	9.16	9.10	9.04	8.99
18.5000	8.93	8.87	8.81	8.75	8.69
18.7500	8.63	8.58	8.52	8.46	8.40
19.0000	8.34	8.28	8.22	8.16	8.10
19.2500	8.05	7.99	7.93	7.88	7.82
19.5000	7.76	7.70	7.64	7.58	7.53
19.7500	7.47	7.41	7.35	7.29	7.23

20.0000	7.17	7.11	7.05	6.99	6.93
20.2500	6.88	6.82	6.77	6.60	6.51
20.5000	6.44	6.40	6.37	6.34	6.32
20.7500	6.31	6.29	6.28	6.26	6.25
21.0000	6.24	6.22	6.21	6.20	6.19
21.2500	6.18	6.17	6.16	6.14	6.13
21.5000	6.12	6.11	6.10	6.09	6.08
21.7500	6.06	6.05	6.04	6.03	6.02
22.0000	6.01	6.00	5.98	5.97	5.96
22.2500	5.95	5.94	5.93	5.91	5.90
22.5000	5.89	5.88	5.87	5.86	5.85
22.7500	5.83	5.82	5.81	5.80	5.79
23.0000	5.78	5.76	5.75	5.74	5.73
23.2500	5.72	5.71	5.69	5.68	5.67
23.5000	5.66	5.65	5.64	5.63	5.61
23.7500	5.60	5.59	5.58	5.57	5.55
24.0000	5.54	5.51	5.42	5.26	5.00
24.2500	4.60	3.97	3.47	2.88	2.33
24.5000	1.84	1.47	1.27	1.06	.87
24.7500	.70	.57	.46	.36	.28
25.0000	.22	.19	.17	.15	.14
25.2500	.12	.11	.10	.09	.08
25.5000	.07	.06	.06	.05	.05
25.7500	.05	.05	.04	.04	.04
26.0000	.04	.04	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
26.2500	.03	.03	.03	.02
26.5000	.02	.02	.02	.02
26.7500	.02	.02	.01	.01
27.0000	.01	.01	.01	.01
27.2500	.01	.01	.01	.01
27.5000	.01	.01	.01	.01
27.7500	.01	.01	.00	.00
28.0000	.00	.00	.00	.00
28.2500	.00	.00	.00	.00
28.5000	.00	.00	.00	.00
28.7500	.00	.00	.00	.00
29.0000	.00	.00	.00	.00
29.2500	.00	.00	.00	

ICPM HYDROGRAPH...
HYG file =
HYG ID = ROUTE 30
HYG Tag = 100

Peak Discharge =	110.98 cfs
Time to Peak =	12.4500 hrs
HYG Volume =	1179573 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.2500	.00	.00	.00	.01
7.5000	.01	.02	.03	.04
7.7500	.07	.10	.14	.17
8.0000	.31	.39	.46	.52
8.2500	.64	.70	.77	.83
8.5000	.97	1.04	1.11	1.18
8.7500	1.33	1.41	1.50	1.62
9.0000	1.89	2.01	2.13	2.24
9.2500	2.47	2.59	2.69	2.80
9.5000	3.00	3.10	3.19	3.29
9.7500	3.49	3.57	3.67	3.79
10.0000	4.17	4.35	4.54	4.69
10.2500	5.06	5.27	5.53	5.82
10.5000	6.40	6.70	6.85	6.98
10.7500	7.33	7.55	7.81	8.09

8.43				

11.0000	8.80	9.19	9.62	10.08
10.69				
11.2500	11.33	11.93	12.60	13.41
14.30				
11.5000	15.22	16.28	17.68	19.48
22.29				
11.7500	26.61	33.09	42.93	50.94
61.58				
12.0000	69.42	74.50	80.70	90.01
97.35				
12.2500	103.06	107.15	109.61	110.77
110.98				
12.5000	110.81	110.30	109.42	108.22
106.77				
12.7500	105.06	103.17	101.17	98.98
96.89				
13.0000	94.66	92.43	90.32	88.24
86.37				
13.2500	84.47	82.66	79.99	77.53
75.20				
13.5000	73.24	71.33	69.62	68.09
66.61				
13.7500	65.26	64.09	63.04	62.02
60.66				
14.0000	58.39	56.23	54.28	52.45
50.66				
14.2500	48.95	47.34	45.70	44.16
42.69				
14.5000	41.30	37.28	33.93	31.20
28.15				
14.7500	26.87	24.43	22.47	21.16
20.09				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.0000	19.28	18.62	17.95	17.41	16.94
15.2500	16.52	16.15	15.85	15.58	15.33
15.5000	15.09	14.87	14.66	14.45	14.25
15.7500	14.04	13.85	13.66	13.47	13.29
16.0000	13.11	12.93	12.76	12.60	12.45
16.2500	12.30	12.16	12.02	11.88	11.76
16.5000	11.64	11.52	11.42	11.31	11.22
16.7500	11.12	11.01	10.92	10.83	10.75
17.0000	10.67	10.60	10.52	10.46	10.39
17.2500	10.32	10.26	10.20	10.15	10.10
17.5000	10.05	10.00	9.95	9.89	9.84
17.7500	9.79	9.73	9.67	9.62	9.56
18.0000	9.51	9.45	9.39	9.33	9.28
18.2500	9.22	9.16	9.10	9.04	8.99
18.5000	8.93	8.87	8.81	8.75	8.69
18.7500	8.63	8.58	8.52	8.46	8.40
19.0000	8.34	8.28	8.22	8.16	8.10
19.2500	8.05	7.99	7.93	7.88	7.82
19.5000	7.76	7.70	7.64	7.58	7.53
19.7500	7.47	7.41	7.35	7.29	7.23

20.0000	7.17	7.11	7.05	6.99	6.93
20.2500	6.88	6.82	6.77	6.60	6.51
20.5000	6.44	6.40	6.37	6.34	6.32
20.7500	6.31	6.29	6.28	6.26	6.25
21.0000	6.24	6.22	6.21	6.20	6.19
21.2500	6.18	6.17	6.16	6.14	6.13
21.5000	6.12	6.11	6.10	6.09	6.08
21.7500	6.06	6.05	6.04	6.03	6.02
22.0000	6.01	6.00	5.98	5.97	5.96
22.2500	5.95	5.94	5.93	5.91	5.90
22.5000	5.89	5.88	5.87	5.86	5.85
22.7500	5.83	5.82	5.81	5.80	5.79
23.0000	5.78	5.76	5.75	5.74	5.73
23.2500	5.72	5.71	5.69	5.68	5.67
23.5000	5.66	5.65	5.64	5.63	5.61
23.7500	5.60	5.59	5.58	5.57	5.55
24.0000	5.54	5.51	5.42	5.26	5.00
24.2500	4.60	3.97	3.47	2.88	2.33
24.5000	1.84	1.47	1.27	1.06	.87
24.7500	.70	.57	.46	.36	.28
25.0000	.22	.19	.17	.15	.14
25.2500	.12	.11	.10	.09	.08
25.5000	.07	.06	.06	.05	.05
25.7500	.05	.05	.04	.04	.04
26.0000	.04	.04	.03	.03	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
26.2500	.03	.03	.03	.02
26.5000	.02	.02	.02	.02
26.7500	.02	.02	.01	.01
27.0000	.01	.01	.01	.01
27.2500	.01	.01	.01	.01
27.5000	.01	.01	.01	.01
27.7500	.01	.01	.00	.00
28.0000	.00	.00	.00	.00
28.2500	.00	.00	.00	.00
28.5000	.00	.00	.00	.00
28.7500	.00	.00	.00	.00
29.0000	.00	.00	.00	.00
29.2500	.00	.00	.00	

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
6.6500	572.99	572.99	573.00	573.01
573.02				
6.9000	573.04	573.06	573.08	573.09
573.10				
7.1500	573.11	573.11	573.12	573.13
573.14				
7.4000	573.14	573.15	573.16	573.17
573.17				
7.6500	573.18	573.19	573.19	573.20
573.20				
7.9000	573.21	573.21	573.22	573.22
573.23				
8.1500	573.23	573.24	573.24	573.25
573.26				
8.4000	573.26	573.27	573.28	573.29
573.30				
8.6500	573.30	573.31	573.32	573.33
573.33				
8.9000	573.34	573.35	573.36	573.37
573.38				
9.1500	573.39	573.39	573.40	573.41
573.41				
9.4000	573.42	573.42	573.43	573.43
573.44				
9.6500	573.44	573.45	573.46	573.46
573.47				
9.9000	573.48	573.49	573.50	573.51
573.52				
10.1500	573.53	573.54	573.55	573.57
573.58				
10.4000	573.59	573.61	573.62	573.63
573.65				
10.6500	573.66	573.68	573.70	573.71
573.73				
10.9000	573.75	573.77	573.79	573.81
573.83				
11.1500	573.86	573.88	573.91	573.94
573.97				

11.4000	574.01	574.05	574.09	574.13
574.20				
11.6500	574.31	574.49	574.75	574.97
575.26				
11.9000	575.66	576.11	576.67	577.34
578.01				
12.1500	578.62	579.11	579.45	579.65
579.73				
12.4000	579.72	579.64	579.51	579.35
579.15				
12.6500	578.92	578.67	578.41	578.13
577.84				
12.9000	577.55	577.25	576.96	576.66
576.37				
13.1500	576.09	575.80	575.47	575.08
574.52				
13.4000	574.22	574.20	574.18	574.16
574.15				
13.6500	574.13	574.11	574.10	574.08
574.07				
13.9000	574.06	574.04	574.03	574.02
574.00				
14.1500	573.99	573.98	573.97	573.96
573.95				
14.4000	573.94	573.93	573.93	573.92
573.92				
14.6500	573.91	573.91	573.90	573.90
573.89				
14.9000	573.89	573.88	573.88	573.87
573.87				
15.1500	573.86	573.86	573.85	573.85
573.84				
15.4000	573.84	573.83	573.83	573.82
573.82				
15.6500	573.81	573.80	573.80	573.79
573.79				
15.9000	573.78	573.78	573.77	573.77
573.76				
16.1500	573.75	573.75	573.74	573.74
573.74				
16.4000	573.73	573.73	573.73	573.73
573.72				
16.6500	573.72	573.72	573.72	573.71
573.71				
16.9000	573.71	573.71	573.71	573.70
573.70				
17.1500	573.70	573.70	573.70	573.69
573.69				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
17.4000	573.69	573.69	573.69	573.68
573.68				
17.6500	573.68	573.68	573.67	573.67
573.67				
17.9000	573.67	573.66	573.66	573.66
573.66				
18.1500	573.66	573.65	573.65	573.65
573.65				
18.4000	573.64	573.64	573.64	573.64
573.63				
18.6500	573.63	573.63	573.63	573.63
573.62				
18.9000	573.62	573.62	573.62	573.61
573.61				
19.1500	573.61	573.61	573.60	573.60
573.60				
19.4000	573.60	573.60	573.59	573.59
573.59				
19.6500	573.58	573.58	573.58	573.58
573.57				
19.9000	573.57	573.57	573.57	573.56
573.56				
20.1500	573.56	573.55	573.55	573.55
573.55				
20.4000	573.55	573.55	573.55	573.54
573.54				
20.6500	573.54	573.54	573.54	573.54
573.54				
20.9000	573.54	573.54	573.54	573.54
573.54				
21.1500	573.54	573.54	573.54	573.54
573.54				
21.4000	573.54	573.53	573.53	573.53
573.53				
21.6500	573.53	573.53	573.53	573.53
573.53				
21.9000	573.53	573.53	573.53	573.53
573.53				

22.1500	573.53	573.53	573.53	573.53	573.52
22.4000	573.52	573.52	573.52	573.52	573.52
22.6500	573.52	573.52	573.52	573.52	573.52
22.9000	573.52	573.52	573.52	573.52	573.52
23.1500	573.52	573.52	573.52	573.51	573.51
23.4000	573.51	573.51	573.51	573.51	573.51
23.6500	573.51	573.51	573.51	573.51	573.51
23.9000	573.51	573.51	573.51	573.50	573.50
24.1500	573.47	573.44	573.40	573.35	573.30
24.4000	573.25	573.21	573.18	573.15	573.13
24.6500	573.11	573.10	573.09	573.06	573.04
24.9000	573.02	573.01	573.01	573.00	573.00
25.1500	572.99				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
6.2500	572.99	573.00	573.00	573.01
573.03				
6.5000	573.05	573.07	573.09	573.10
573.11				
6.7500	573.11	573.12	573.13	573.14
573.15				
7.0000	573.15	573.16	573.17	573.18
573.19				
7.2500	573.19	573.20	573.20	573.21
573.22				
7.5000	573.22	573.23	573.23	573.24
573.24				
7.7500	573.25	573.25	573.26	573.26
573.27				
8.0000	573.27	573.28	573.29	573.29
573.30				
8.2500	573.30	573.31	573.31	573.32
573.33				
8.5000	573.34	573.34	573.35	573.36
573.37				
8.7500	573.38	573.39	573.40	573.40
573.41				
9.0000	573.42	573.43	573.44	573.45
573.45				
9.2500	573.46	573.47	573.48	573.48
573.49				
9.5000	573.49	573.50	573.50	573.51
573.51				
9.7500	573.52	573.53	573.54	573.55
573.56				
10.0000	573.57	573.58	573.59	573.60
573.61				
10.2500	573.62	573.64	573.65	573.66
573.68				
10.5000	573.69	573.71	573.72	573.74
573.76				
10.7500	573.78	573.79	573.81	573.83
573.85				

11.0000	573.88	573.90	573.92	573.95
573.98				
11.2500	574.01	574.04	574.08	574.11
574.16				
11.5000	574.20	574.25	574.32	574.44
574.64				
11.7500	574.89	575.11	575.45	575.87
576.37				
12.0000	577.03	577.78	578.54	579.22
579.76				
12.2500	580.15	580.39	580.50	580.52
580.46				
12.5000	580.36	580.20	580.02	579.81
579.57				
12.7500	579.31	579.04	578.76	578.47
578.17				
13.0000	577.87	577.57	577.26	576.96
576.66				
13.2500	576.37	576.08	575.80	575.48
575.08				
13.5000	574.55	574.24	574.22	574.20
574.19				
13.7500	574.17	574.15	574.14	574.12
574.11				
14.0000	574.09	574.08	574.07	574.05
574.04				
14.2500	574.03	574.02	574.01	574.00
573.99				
14.5000	573.99	573.98	573.98	573.97
573.96				
14.7500	573.96	573.95	573.95	573.94
573.94				
15.0000	573.93	573.93	573.92	573.92
573.91				
15.2500	573.90	573.90	573.89	573.89
573.88				
15.5000	573.88	573.87	573.87	573.86
573.85				
15.7500	573.85	573.84	573.84	573.83
573.82				
16.0000	573.82	573.81	573.81	573.80
573.80				
16.2500	573.79	573.79	573.78	573.78
573.78				
16.5000	573.77	573.77	573.77	573.77
573.76				
16.7500	573.76	573.76	573.76	573.75
573.75				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
17.0000	573.75	573.75	573.74	573.74
17.2500	573.74	573.73	573.73	573.73
17.5000	573.73	573.72	573.72	573.72
17.7500	573.71	573.71	573.71	573.71
18.0000	573.70	573.70	573.70	573.70
18.2500	573.69	573.69	573.69	573.68
18.5000	573.68	573.68	573.67	573.67
18.7500	573.66	573.66	573.66	573.66
19.0000	573.65	573.65	573.65	573.64
19.2500	573.64	573.64	573.63	573.63
19.5000	573.63	573.62	573.62	573.62
19.7500	573.61	573.61	573.61	573.60
20.0000	573.60	573.60	573.59	573.59
20.2500	573.59	573.59	573.58	573.58
20.5000	573.58	573.58	573.58	573.58
20.7500	573.58	573.58	573.57	573.57
21.0000	573.57	573.57	573.57	573.57
21.2500	573.57	573.57	573.57	573.57
21.5000	573.57	573.57	573.57	573.56

21.7500	573.56	573.56	573.56	573.56
573.56				
22.0000	573.56	573.56	573.56	573.56
573.56				
22.2500	573.56	573.56	573.56	573.56
573.56				
22.5000	573.55	573.55	573.55	573.55
573.55				
22.7500	573.55	573.55	573.55	573.55
573.55				
23.0000	573.55	573.55	573.55	573.55
573.55				
23.2500	573.55	573.54	573.54	573.54
573.54				
23.5000	573.54	573.54	573.54	573.54
573.54				
23.7500	573.54	573.54	573.54	573.54
573.54				
24.0000	573.54	573.53	573.52	573.50
573.47				
24.2500	573.42	573.37	573.31	573.26
573.22				
24.5000	573.19	573.16	573.14	573.12
573.10				
24.7500	573.09	573.07	573.04	573.03
573.02				
25.0000	573.01	573.00	573.00	572.99

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
5.3500	572.99	572.99	573.00	573.01
	573.03			
5.6000	573.05	573.08	573.10	573.10
	573.11			
5.8500	573.12	573.13	573.14	573.15
	573.16			
6.1000	573.17	573.18	573.19	573.20
	573.20			
6.3500	573.21	573.22	573.22	573.23
	573.24			
6.6000	573.24	573.25	573.26	573.26
	573.27			
6.8500	573.28	573.28	573.29	573.30
	573.30			
7.1000	573.31	573.31	573.32	573.32
	573.33			
7.3500	573.33	573.34	573.35	573.35
	573.36			
7.6000	573.36	573.37	573.37	573.38
	573.39			
7.8500	573.39	573.40	573.40	573.41
	573.41			
8.1000	573.42	573.42	573.43	573.43
	573.44			
8.3500	573.45	573.45	573.46	573.47
	573.48			
8.6000	573.49	573.50	573.51	573.52
	573.53			
8.8500	573.54	573.55	573.56	573.57
	573.58			
9.1000	573.59	573.60	573.61	573.61
	573.62			
9.3500	573.63	573.63	573.64	573.64
	573.65			
9.6000	573.65	573.66	573.67	573.67
	573.68			
9.8500	573.69	573.70	573.71	573.72
	573.74			

10.1000	573.75	573.76	573.78	573.79
573.81				
10.3500	573.82	573.84	573.86	573.87
573.89				
10.6000	573.91	573.93	573.95	573.97
573.99				
10.8500	574.01	574.04	574.06	574.09
574.12				
11.1000	574.14	574.17	574.21	574.24
574.28				
11.3500	574.32	574.37	574.42	574.47
574.53				
11.6000	574.63	574.78	574.93	575.15
575.48				
11.8500	575.89	576.40	577.10	577.97
578.93				
12.1000	579.86	580.70	581.36	581.71
581.77				
12.3500	581.70	581.60	581.49	581.39
581.28				
12.6000	581.15	580.98	580.79	580.57
580.34				
12.8500	580.09	579.82	579.55	579.27
578.98				
13.1000	578.69	578.39	578.10	577.80
577.50				
13.3500	577.20	576.91	576.62	576.35
576.08				
13.6000	575.81	575.51	575.16	574.74
574.32				
13.8500	574.30	574.29	574.27	574.25
574.24				
14.1000	574.22	574.21	574.19	574.18
574.16				
14.3500	574.15	574.14	574.14	574.13
574.12				
14.6000	574.11	574.11	574.10	574.10
574.09				
14.8500	574.08	574.08	574.07	574.06
574.06				
15.1000	574.05	574.04	574.04	574.03
574.03				
15.3500	574.02	574.01	574.01	574.00
573.99				
15.6000	573.99	573.98	573.97	573.97
573.96				
15.8500	573.95	573.95	573.94	573.93
573.93				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
16.1000	573.92	573.91	573.91	573.90
16.3500	573.89	573.89	573.88	573.88
16.6000	573.87	573.87	573.87	573.86
16.8500	573.86	573.86	573.85	573.85
17.1000	573.85	573.84	573.84	573.84
17.3500	573.83	573.83	573.83	573.82
17.6000	573.82	573.82	573.81	573.81
17.8500	573.81	573.80	573.80	573.80
18.1000	573.79	573.79	573.79	573.78
18.3500	573.78	573.78	573.77	573.77
18.6000	573.76	573.76	573.76	573.75
18.8500	573.75	573.75	573.74	573.74
19.1000	573.73	573.73	573.73	573.72
19.3500	573.72	573.72	573.71	573.71
19.6000	573.70	573.70	573.70	573.69
19.8500	573.69	573.68	573.68	573.68
20.1000	573.67	573.67	573.67	573.66
20.3500	573.66	573.66	573.66	573.65
20.6000	573.65	573.65	573.65	573.65
573.65				

20.8500	573.65	573.65	573.65	573.65
573.65				
21.1000	573.65	573.65	573.64	573.64
573.64				
21.3500	573.64	573.64	573.64	573.64
573.64				
21.6000	573.64	573.64	573.64	573.64
573.64				
21.8500	573.64	573.64	573.63	573.63
573.63				
22.1000	573.63	573.63	573.63	573.63
573.63				
22.3500	573.63	573.63	573.63	573.63
573.63				
22.6000	573.63	573.63	573.63	573.62
573.62				
22.8500	573.62	573.62	573.62	573.62
573.62				
23.1000	573.62	573.62	573.62	573.62
573.62				
23.3500	573.62	573.62	573.62	573.61
573.61				
23.6000	573.61	573.61	573.61	573.61
573.61				
23.8500	573.61	573.61	573.61	573.61
573.60				
24.1000	573.59	573.57	573.53	573.48
573.42				
24.3500	573.36	573.30	573.25	573.22
573.19				
24.6000	573.15	573.13	573.11	573.10
573.09				
24.8500	573.06	573.04	573.02	573.01
573.00				
25.1000	573.00	572.99		

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
.0000	565.00	565.00	565.00	565.00
.2500	565.00	565.00	565.00	565.00
.5000	565.00	565.00	565.00	565.00
.7500	565.00	565.00	565.00	565.00
1.0000	565.00	565.00	565.00	565.00
1.2500	565.00	565.00	565.00	565.00
1.5000	565.00	565.00	565.00	565.00
1.7500	565.00	565.00	565.00	565.00
2.0000	565.00	565.00	565.00	565.00
2.2500	565.00	565.00	565.00	565.00
2.5000	565.00	565.00	565.00	565.00
2.7500	565.00	565.00	565.00	565.00
3.0000	565.00	565.00	565.00	565.00
3.2500	565.00	565.00	565.00	565.00
3.5000	565.00	565.00	565.00	565.00
3.7500	565.00	565.00	565.00	565.00
4.0000	565.00	565.00	565.00	565.00
4.2500	565.00	565.00	565.00	565.00
4.5000	565.00	565.00	565.00	565.00

4.7500	565.00	565.00	565.00	565.00
565.00				
5.0000	565.00	565.00	565.00	565.00
565.00				
5.2500	565.00	565.00	565.00	565.00
565.00				
5.5000	565.00	565.00	565.00	565.00
565.00				
5.7500	565.00	565.00	565.00	565.00
565.00				
6.0000	565.00	565.00	565.00	565.00
565.00				
6.2500	565.00	565.00	565.00	565.00
565.00				
6.5000	565.00	565.00	565.00	565.00
565.00				
6.7500	565.00	565.00	565.00	565.00
565.00				
7.0000	565.00	565.00	565.00	565.00
565.00				
7.2500	565.00	565.00	565.00	565.00
565.00				
7.5000	565.00	565.00	565.00	565.00
565.00				
7.7500	565.00	565.00	565.00	565.00
565.00				
8.0000	565.00	565.00	565.00	565.00
565.00				
8.2500	565.00	565.00	565.00	565.00
565.00				
8.5000	565.00	565.00	565.00	565.00
565.00				
8.7500	565.00	565.00	565.00	565.01
565.01				
9.0000	565.02	565.03	565.05	565.06
565.08				
9.2500	565.11	565.13	565.16	565.19
565.21				
9.5000	565.23	565.25	565.27	565.29
565.30				
9.7500	565.32	565.33	565.35	565.36
565.38				
10.0000	565.39	565.41	565.43	565.45
565.48				
10.2500	565.50	565.52	565.53	565.55
565.56				
10.5000	565.58	565.59	565.61	565.63
565.65				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.7500	565.67	565.69	565.71	565.75	565.77
11.0000	565.79	565.82	565.85	565.89	565.92
11.2500	565.95	565.99	566.01	566.02	566.04
11.5000	566.07	566.10	566.14	566.20	566.29
11.7500	566.42	566.61	566.89	567.29	567.85
12.0000	568.31	568.79	569.38	570.02	570.42
12.2500	570.76	571.04	571.23	571.35	571.41
12.5000	571.42	571.39	571.34	571.27	571.18
12.7500	571.07	570.96	570.84	570.72	570.59
13.0000	570.46	570.32	570.19	570.05	569.87
13.2500	569.66	569.45	569.26	569.07	568.88
13.5000	568.71	568.54	568.38	568.22	568.07
13.7500	567.87	567.63	567.43	567.27	567.12
14.0000	567.00	566.90	566.82	566.75	566.70
14.2500	566.64	566.60	566.56	566.53	566.50
14.5000	566.47	566.44	566.42	566.41	566.39
14.7500	566.37	566.36	566.35	566.33	566.32
15.0000	566.31	566.30	566.29	566.28	566.28
15.2500	566.27	566.26	566.25	566.25	566.24

15.5000	566.23	566.23	566.22	566.21
566.20				
15.7500	566.20	566.19	566.18	566.17
566.17				
16.0000	566.16	566.15	566.14	566.14
566.13				
16.2500	566.12	566.11	566.11	566.10
566.09				
16.5000	566.09	566.08	566.08	566.07
566.07				
16.7500	566.06	566.06	566.05	566.05
566.05				
17.0000	566.04	566.04	566.04	566.03
566.03				
17.2500	566.02	566.02	566.02	566.02
566.01				
17.5000	566.01	566.01	566.00	566.00
565.99				
17.7500	565.98	565.98	565.98	565.97
565.97				
18.0000	565.97	565.96	565.96	565.96
565.96				
18.2500	565.95	565.95	565.95	565.94
565.94				
18.5000	565.94	565.94	565.93	565.93
565.93				
18.7500	565.93	565.92	565.92	565.92
565.91				
19.0000	565.91	565.91	565.91	565.90
565.90				
19.2500	565.90	565.89	565.89	565.88
565.88				
19.5000	565.87	565.87	565.86	565.86
565.85				
19.7500	565.85	565.84	565.84	565.83
565.83				
20.0000	565.82	565.82	565.81	565.81
565.80				
20.2500	565.80	565.80	565.79	565.79
565.79				
20.5000	565.79	565.79	565.79	565.79
565.79				
20.7500	565.79	565.78	565.78	565.78
565.78				
21.0000	565.78	565.78	565.78	565.78
565.78				
21.2500	565.78	565.78	565.78	565.78
565.78				
21.5000	565.78	565.78	565.78	565.78
565.78				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
21.7500	565.77	565.77	565.77	565.77
22.0000	565.77	565.77	565.77	565.77
22.2500	565.77	565.77	565.77	565.77
22.5000	565.77	565.77	565.77	565.77
22.7500	565.76	565.76	565.76	565.76
23.0000	565.76	565.76	565.76	565.76
23.2500	565.76	565.76	565.76	565.76
23.5000	565.76	565.76	565.76	565.76
23.7500	565.75	565.75	565.75	565.75
24.0000	565.75	565.75	565.74	565.73
24.2500	565.67	565.63	565.58	565.54
24.5000	565.46	565.41	565.36	565.33
24.7500	565.27	565.25	565.23	565.21
25.0000	565.19	565.18	565.16	565.15
25.2500	565.13	565.13	565.12	565.11
25.5000	565.10	565.10	565.09	565.09
25.7500	565.08	565.07	565.07	565.07
26.0000	565.06	565.06	565.05	565.05
26.2500	565.04	565.04	565.04	565.04

26.5000	565.03	565.03	565.03	565.03
565.03				
26.7500	565.03	565.02	565.02	565.02
565.02				
27.0000	565.02	565.02	565.02	565.02
565.02				
27.2500	565.01	565.01	565.01	565.01
565.01				
27.5000	565.01	565.01	565.01	565.01
565.01				
27.7500	565.01	565.01	565.01	565.01
565.01				
28.0000	565.01	565.01	565.01	565.01
565.01				
28.2500	565.00	565.00	565.00	565.00
565.00				
28.5000	565.00	565.00	565.00	565.00
565.00				
28.7500	565.00	565.00	565.00	565.00
565.00				
29.0000	565.00	565.00	565.00	565.00
565.00				
29.2500	565.00	565.00	565.00	565.00
565.00				
29.5000	565.00	565.00	565.00	565.00
565.00				
29.7500	565.00	565.00	565.00	565.00
565.00				
30.0000	565.00	565.00	565.00	565.00
565.00				
30.2500	565.00	565.00	565.00	565.00
565.00				
30.5000	565.00	565.00	565.00	565.00
565.00				
30.7500	565.00	565.00	565.00	565.00
565.00				
31.0000	565.00	565.00	565.00	565.00
565.00				
31.2500	565.00	565.00	565.00	565.00
565.00				
31.5000	565.00	565.00	565.00	565.00
565.00				
31.7500	565.00	565.00	565.00	565.00
565.00				
32.0000	565.00	565.00	565.00	565.00
565.00				
32.2500	565.00	565.00	565.00	565.00
565.00				
32.5000	565.00	565.00	565.00	565.00
565.00				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
32.7500	565.00	565.00	565.00	565.00	565.00
33.0000	565.00	565.00	565.00	565.00	565.00
33.2500	565.00	565.00	565.00	565.00	565.00
33.5000	565.00	565.00	565.00	565.00	565.00
33.7500	565.00	565.00	565.00	565.00	565.00
34.0000	565.00	565.00	565.00	565.00	565.00
34.2500	565.00	565.00	565.00	565.00	565.00
34.5000	565.00	565.00	565.00	565.00	565.00
34.7500	565.00	565.00	565.00	565.00	565.00
35.0000	565.00				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	565.00	565.00	565.00	565.00
.2500	565.00	565.00	565.00	565.00
.5000	565.00	565.00	565.00	565.00
.7500	565.00	565.00	565.00	565.00
1.0000	565.00	565.00	565.00	565.00
1.2500	565.00	565.00	565.00	565.00
1.5000	565.00	565.00	565.00	565.00
1.7500	565.00	565.00	565.00	565.00
2.0000	565.00	565.00	565.00	565.00
2.2500	565.00	565.00	565.00	565.00
2.5000	565.00	565.00	565.00	565.00
2.7500	565.00	565.00	565.00	565.00
3.0000	565.00	565.00	565.00	565.00
3.2500	565.00	565.00	565.00	565.00
3.5000	565.00	565.00	565.00	565.00
3.7500	565.00	565.00	565.00	565.00
4.0000	565.00	565.00	565.00	565.00
4.2500	565.00	565.00	565.00	565.00
4.5000	565.00	565.00	565.00	565.00

4.7500	565.00	565.00	565.00	565.00
565.00				
5.0000	565.00	565.00	565.00	565.00
565.00				
5.2500	565.00	565.00	565.00	565.00
565.00				
5.5000	565.00	565.00	565.00	565.00
565.00				
5.7500	565.00	565.00	565.00	565.00
565.00				
6.0000	565.00	565.00	565.00	565.00
565.00				
6.2500	565.00	565.00	565.00	565.00
565.00				
6.5000	565.00	565.00	565.00	565.00
565.00				
6.7500	565.00	565.00	565.00	565.00
565.00				
7.0000	565.00	565.00	565.00	565.00
565.00				
7.2500	565.00	565.00	565.00	565.00
565.00				
7.5000	565.00	565.00	565.00	565.00
565.00				
7.7500	565.00	565.00	565.00	565.00
565.00				
8.0000	565.00	565.00	565.00	565.00
565.00				
8.2500	565.00	565.00	565.00	565.00
565.01				
8.5000	565.01	565.02	565.03	565.04
565.06				
8.7500	565.08	565.10	565.12	565.15
565.18				
9.0000	565.21	565.23	565.25	565.27
565.28				
9.2500	565.30	565.32	565.34	565.35
565.37				
9.5000	565.38	565.40	565.41	565.43
565.44				
9.7500	565.46	565.48	565.50	565.51
565.53				
10.0000	565.54	565.55	565.56	565.57
565.59				
10.2500	565.60	565.61	565.63	565.65
565.66				
10.5000	565.68	565.70	565.73	565.76
565.78				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
10.7500	565.79	565.82	565.85	565.88
	565.91			
11.0000	565.94	565.96	565.99	566.01
	566.02			
11.2500	566.04	566.06	566.08	566.11
	566.15			
11.5000	566.19	566.23	566.28	566.35
	566.46			
11.7500	566.61	566.84	567.17	567.64
	568.15			
12.0000	568.62	569.22	569.97	570.48
	570.96			
12.2500	571.38	571.70	571.93	572.06
	572.11			
12.5000	572.13	572.11	572.07	572.01
	571.92			
12.7500	571.81	571.68	571.55	571.42
	571.28			
13.0000	571.14	571.00	570.86	570.71
	570.57			
13.2500	570.43	570.29	570.14	570.00
	569.79			
13.5000	569.58	569.37	569.18	568.99
	568.81			
13.7500	568.64	568.47	568.32	568.16
	568.02			
14.0000	567.78	567.56	567.37	567.22
	567.07			
14.2500	566.97	566.88	566.81	566.75
	566.69			
14.5000	566.65	566.61	566.58	566.55
	566.52			
14.7500	566.50	566.48	566.46	566.44
	566.43			
15.0000	566.42	566.40	566.39	566.38
	566.37			
15.2500	566.36	566.35	566.34	566.33
	566.32			

15.5000	566.31	566.30	566.30	566.29
566.28				
15.7500	566.27	566.27	566.26	566.25
566.24				
16.0000	566.24	566.23	566.22	566.21
566.21				
16.2500	566.20	566.19	566.18	566.18
566.17				
16.5000	566.16	566.16	566.15	566.14
566.14				
16.7500	566.13	566.13	566.13	566.12
566.12				
17.0000	566.11	566.11	566.10	566.10
566.10				
17.2500	566.09	566.09	566.09	566.08
566.08				
17.5000	566.08	566.07	566.07	566.07
566.06				
17.7500	566.06	566.06	566.05	566.05
566.05				
18.0000	566.04	566.04	566.04	566.03
566.03				
18.2500	566.03	566.02	566.02	566.02
566.01				
18.5000	566.01	566.01	566.00	566.00
565.99				
18.7500	565.98	565.98	565.97	565.97
565.96				
19.0000	565.96	565.96	565.95	565.95
565.95				
19.2500	565.95	565.94	565.94	565.94
565.93				
19.5000	565.93	565.93	565.92	565.92
565.92				
19.7500	565.91	565.91	565.91	565.90
565.90				
20.0000	565.90	565.89	565.89	565.88
565.88				
20.2500	565.87	565.87	565.86	565.86
565.85				
20.5000	565.85	565.85	565.85	565.84
565.84				
20.7500	565.84	565.84	565.84	565.84
565.84				
21.0000	565.83	565.83	565.83	565.83
565.83				
21.2500	565.83	565.83	565.83	565.83
565.82				
21.5000	565.82	565.82	565.82	565.82
565.82				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
21.7500	565.82	565.82	565.82	565.81
565.81				
22.0000	565.81	565.81	565.81	565.81
565.81				
22.2500	565.81	565.81	565.80	565.80
565.80				
22.5000	565.80	565.80	565.80	565.80
565.80				
22.7500	565.80	565.80	565.80	565.80
565.80				
23.0000	565.79	565.79	565.79	565.79
565.79				
23.2500	565.79	565.79	565.79	565.79
565.79				
23.5000	565.79	565.79	565.79	565.79
565.79				
23.7500	565.79	565.79	565.79	565.78
565.78				
24.0000	565.78	565.78	565.78	565.77
565.75				
24.2500	565.71	565.66	565.62	565.57
565.53				
24.5000	565.48	565.43	565.38	565.34
565.31				
24.7500	565.28	565.25	565.23	565.22
565.21				
25.0000	565.19	565.18	565.17	565.16
565.15				
25.2500	565.14	565.13	565.12	565.11
565.11				
25.5000	565.10	565.10	565.09	565.09
565.08				
25.7500	565.08	565.07	565.07	565.07
565.06				
26.0000	565.06	565.06	565.05	565.05
565.05				
26.2500	565.05	565.04	565.04	565.04
565.04				

26.5000	565.03	565.03	565.03	565.03
565.03				
26.7500	565.03	565.02	565.02	565.02
565.02				
27.0000	565.02	565.02	565.02	565.02
565.02				
27.2500	565.02	565.01	565.01	565.01
565.01				
27.5000	565.01	565.01	565.01	565.01
565.01				
27.7500	565.01	565.01	565.01	565.01
565.01				
28.0000	565.01	565.01	565.01	565.01
565.01				
28.2500	565.01	565.00	565.00	565.00
565.00				
28.5000	565.00	565.00	565.00	565.00
565.00				
28.7500	565.00	565.00	565.00	565.00
565.00				
29.0000	565.00	565.00	565.00	565.00
565.00				
29.2500	565.00	565.00	565.00	565.00
565.00				
29.5000	565.00	565.00	565.00	565.00
565.00				
29.7500	565.00	565.00	565.00	565.00
565.00				
30.0000	565.00	565.00	565.00	565.00
565.00				
30.2500	565.00	565.00	565.00	565.00
565.00				
30.5000	565.00	565.00	565.00	565.00
565.00				
30.7500	565.00	565.00	565.00	565.00
565.00				
31.0000	565.00	565.00	565.00	565.00
565.00				
31.2500	565.00	565.00	565.00	565.00
565.00				
31.5000	565.00	565.00	565.00	565.00
565.00				
31.7500	565.00	565.00	565.00	565.00
565.00				
32.0000	565.00	565.00	565.00	565.00
565.00				
32.2500	565.00	565.00	565.00	565.00
565.00				
32.5000	565.00	565.00	565.00	565.00
565.00				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
32.7500	565.00	565.00	565.00	565.00	565.00
33.0000	565.00	565.00	565.00	565.00	565.00
33.2500	565.00	565.00	565.00	565.00	565.00
33.5000	565.00	565.00	565.00	565.00	565.00
33.7500	565.00	565.00	565.00	565.00	565.00
34.0000	565.00	565.00	565.00	565.00	565.00
34.2500	565.00	565.00	565.00	565.00	565.00
34.5000	565.00	565.00	565.00	565.00	565.00
34.7500	565.00	565.00	565.00	565.00	565.00
35.0000	565.00				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	565.00	565.00	565.00	565.00
.2500	565.00	565.00	565.00	565.00
.5000	565.00	565.00	565.00	565.00
.7500	565.00	565.00	565.00	565.00
1.0000	565.00	565.00	565.00	565.00
1.2500	565.00	565.00	565.00	565.00
1.5000	565.00	565.00	565.00	565.00
1.7500	565.00	565.00	565.00	565.00
2.0000	565.00	565.00	565.00	565.00
2.2500	565.00	565.00	565.00	565.00
2.5000	565.00	565.00	565.00	565.00
2.7500	565.00	565.00	565.00	565.00
3.0000	565.00	565.00	565.00	565.00
3.2500	565.00	565.00	565.00	565.00
3.5000	565.00	565.00	565.00	565.00
3.7500	565.00	565.00	565.00	565.00
4.0000	565.00	565.00	565.00	565.00
4.2500	565.00	565.00	565.00	565.00
4.5000	565.00	565.00	565.00	565.00

4.7500	565.00	565.00	565.00	565.00
565.00				
5.0000	565.00	565.00	565.00	565.00
565.00				
5.2500	565.00	565.00	565.00	565.00
565.00				
5.5000	565.00	565.00	565.00	565.00
565.00				
5.7500	565.00	565.00	565.00	565.00
565.00				
6.0000	565.00	565.00	565.00	565.00
565.00				
6.2500	565.00	565.00	565.00	565.00
565.00				
6.5000	565.00	565.00	565.00	565.00
565.00				
6.7500	565.00	565.00	565.00	565.00
565.00				
7.0000	565.00	565.00	565.00	565.00
565.00				
7.2500	565.00	565.00	565.00	565.01
565.02				
7.5000	565.02	565.04	565.05	565.07
565.09				
7.7500	565.11	565.13	565.16	565.18
565.20				
8.0000	565.22	565.24	565.25	565.27
565.28				
8.2500	565.30	565.31	565.32	565.34
565.35				
8.5000	565.36	565.38	565.39	565.41
565.43				
8.7500	565.45	565.47	565.49	565.51
565.52				
9.0000	565.53	565.55	565.56	565.57
565.58				
9.2500	565.59	565.60	565.62	565.63
565.64				
9.5000	565.65	565.66	565.67	565.68
565.69				
9.7500	565.70	565.71	565.73	565.75
565.76				
10.0000	565.78	565.79	565.80	565.82
565.84				
10.2500	565.86	565.89	565.91	565.93
565.95				
10.5000	565.97	565.99	566.01	566.02
566.03				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
10.7500	566.04	566.06	566.08	566.10 566.12
11.0000	566.15	566.18	566.21	566.24 566.27
11.2500	566.31	566.35	566.39	566.44 566.49
11.5000	566.55	566.61	566.69	566.79 566.93
11.7500	567.14	567.46	567.91	568.30 568.81
12.0000	569.57	570.34	571.05	571.77 572.34
12.2500	572.77	573.12	573.37	573.54 573.64
12.5000	573.68	573.68	573.65	573.59 573.50
12.7500	573.40	573.29	573.17	573.05 572.92
13.0000	572.79	572.65	572.52	572.39 572.26
13.2500	572.12	571.99	571.81	571.64 571.47
13.5000	571.31	571.15	571.00	570.84 570.69
13.7500	570.54	570.40	570.25	570.11 569.95
14.0000	569.73	569.52	569.32	569.13 568.95
14.2500	568.77	568.60	568.44	568.29 568.14
14.5000	568.00	567.76	567.55	567.38 567.24
14.7500	567.11	567.01	566.94	566.87 566.82
15.0000	566.78	566.74	566.70	566.67 566.65
15.2500	566.63	566.61	566.59	566.57 566.56

15.5000	566.54	566.53	566.52	566.50
566.49				
15.7500	566.48	566.47	566.46	566.45
566.44				
16.0000	566.43	566.41	566.40	566.39
566.38				
16.2500	566.37	566.37	566.36	566.35
566.34				
16.5000	566.33	566.32	566.32	566.31
566.30				
16.7500	566.30	566.29	566.29	566.28
566.28				
17.0000	566.27	566.27	566.27	566.26
566.26				
17.2500	566.26	566.25	566.25	566.25
566.24				
17.5000	566.24	566.24	566.23	566.23
566.22				
17.7500	566.22	566.22	566.21	566.21
566.20				
18.0000	566.20	566.20	566.19	566.19
566.18				
18.2500	566.18	566.18	566.17	566.17
566.16				
18.5000	566.16	566.16	566.15	566.15
566.14				
18.7500	566.14	566.13	566.13	566.13
566.12				
19.0000	566.12	566.11	566.11	566.10
566.10				
19.2500	566.10	566.09	566.09	566.08
566.08				
19.5000	566.07	566.07	566.07	566.06
566.06				
19.7500	566.05	566.05	566.04	566.04
566.03				
20.0000	566.03	566.03	566.02	566.02
566.01				
20.2500	566.01	566.00	566.00	565.99
565.98				
20.5000	565.98	565.97	565.97	565.97
565.97				
20.7500	565.97	565.97	565.96	565.96
565.96				
21.0000	565.96	565.96	565.96	565.96
565.96				
21.2500	565.96	565.96	565.96	565.96
565.95				
21.5000	565.95	565.95	565.95	565.95
565.95				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
21.7500	565.95	565.95	565.95	565.95
565.95				
22.0000	565.95	565.95	565.94	565.94
565.94				
22.2500	565.94	565.94	565.94	565.94
565.94				
22.5000	565.94	565.94	565.94	565.94
565.93				
22.7500	565.93	565.93	565.93	565.93
565.93				
23.0000	565.93	565.93	565.93	565.93
565.93				
23.2500	565.93	565.92	565.92	565.92
565.92				
23.5000	565.92	565.92	565.92	565.92
565.92				
23.7500	565.92	565.92	565.92	565.92
565.91				
24.0000	565.91	565.91	565.90	565.89
565.86				
24.2500	565.81	565.76	565.70	565.64
565.58				
24.5000	565.53	565.48	565.43	565.38
565.34				
24.7500	565.31	565.28	565.25	565.23
565.22				
25.0000	565.20	565.19	565.18	565.17
565.16				
25.2500	565.15	565.14	565.13	565.12
565.11				
25.5000	565.11	565.10	565.10	565.09
565.09				
25.7500	565.08	565.08	565.07	565.07
565.07				
26.0000	565.06	565.06	565.06	565.05
565.05				
26.2500	565.05	565.04	565.04	565.04
565.04				

26.5000	565.04	565.03	565.03	565.03
565.03				
26.7500	565.03	565.03	565.02	565.02
565.02				
27.0000	565.02	565.02	565.02	565.02
565.02				
27.2500	565.02	565.02	565.01	565.01
565.01				
27.5000	565.01	565.01	565.01	565.01
565.01				
27.7500	565.01	565.01	565.01	565.01
565.01				
28.0000	565.01	565.01	565.01	565.01
565.01				
28.2500	565.01	565.01	565.00	565.00
565.00				
28.5000	565.00	565.00	565.00	565.00
565.00				
28.7500	565.00	565.00	565.00	565.00
565.00				
29.0000	565.00	565.00	565.00	565.00
565.00				
29.2500	565.00	565.00	565.00	565.00
565.00				
29.5000	565.00	565.00	565.00	565.00
565.00				
29.7500	565.00	565.00	565.00	565.00
565.00				
30.0000	565.00	565.00	565.00	565.00
565.00				
30.2500	565.00	565.00	565.00	565.00
565.00				
30.5000	565.00	565.00	565.00	565.00
565.00				
30.7500	565.00	565.00	565.00	565.00
565.00				
31.0000	565.00	565.00	565.00	565.00
565.00				
31.2500	565.00	565.00	565.00	565.00
565.00				
31.5000	565.00	565.00	565.00	565.00
565.00				
31.7500	565.00	565.00	565.00	565.00
565.00				
32.0000	565.00	565.00	565.00	565.00
565.00				
32.2500	565.00	565.00	565.00	565.00
565.00				
32.5000	565.00	565.00	565.00	565.00
565.00				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
32.7500	565.00	565.00	565.00	565.00	565.00
33.0000	565.00	565.00	565.00	565.00	565.00
33.2500	565.00	565.00	565.00	565.00	565.00
33.5000	565.00	565.00	565.00	565.00	565.00
33.7500	565.00	565.00	565.00	565.00	565.00
34.0000	565.00	565.00	565.00	565.00	565.00
34.2500	565.00	565.00	565.00	565.00	565.00
34.5000	565.00	565.00	565.00	565.00	565.00
34.7500	565.00	565.00	565.00	565.00	565.00
35.0000	565.00				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
.0000	563.50	563.50	563.50	563.50	563.50
.2500	563.50	563.50	563.50	563.50	563.50
.5000	563.50	563.50	563.50	563.50	563.50
.7500	563.50	563.50	563.50	563.50	563.50
1.0000	563.50	563.50	563.50	563.50	563.50
1.2500	563.50	563.50	563.50	563.50	563.50
1.5000	563.50	563.50	563.50	563.50	563.50
1.7500	563.50	563.50	563.50	563.50	563.50
2.0000	563.50	563.50	563.50	563.50	563.50
2.2500	563.50	563.50	563.50	563.50	563.50
2.5000	563.50	563.50	563.50	563.50	563.50
2.7500	563.50	563.50	563.50	563.50	563.50
3.0000	563.50	563.50	563.50	563.50	563.50
3.2500	563.50	563.50	563.50	563.50	563.50
3.5000	563.50	563.50	563.50	563.50	563.50
3.7500	563.50	563.50	563.50	563.50	563.50
4.0000	563.50	563.50	563.50	563.50	563.50
4.2500	563.50	563.50	563.50	563.50	563.50
4.5000	563.50	563.50	563.50	563.50	563.50

4.7500	563.50	563.50	563.50	563.50
563.50				
5.0000	563.50	563.50	563.50	563.50
563.50				
5.2500	563.50	563.50	563.50	563.50
563.50				
5.5000	563.50	563.50	563.50	563.50
563.50				
5.7500	563.50	563.50	563.50	563.50
563.50				
6.0000	563.50	563.50	563.50	563.50
563.50				
6.2500	563.50	563.50	563.50	563.50
563.50				
6.5000	563.50	563.50	563.50	563.50
563.50				
6.7500	563.50	563.50	563.50	563.50
563.50				
7.0000	563.50	563.50	563.50	563.50
563.50				
7.2500	563.50	563.50	563.50	563.50
563.50				
7.5000	563.50	563.50	563.50	563.50
563.50				
7.7500	563.50	563.50	563.50	563.50
563.50				
8.0000	563.50	563.50	563.50	563.50
563.50				
8.2500	563.50	563.50	563.50	563.50
563.50				
8.5000	563.50	563.50	563.50	563.50
563.50				
8.7500	563.50	563.50	563.50	563.50
563.50				
9.0000	563.50	563.51	563.51	563.51
563.52				
9.2500	563.53	563.54	563.56	563.58
563.61				
9.5000	563.64	563.68	563.72	563.76
563.80				
9.7500	563.82	563.85	563.87	563.89
563.91				
10.0000	563.94	563.96	563.98	564.00
564.01				
10.2500	564.01	564.02	564.04	564.05
564.07				
10.5000	564.09	564.11	564.13	564.15
564.18				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
10.7500	564.20	564.22	564.25	564.28
	564.31			
11.0000	564.34	564.37	564.40	564.44
	564.47			
11.2500	564.51	564.55	564.59	564.63
	564.66			
11.5000	564.69	564.72	564.76	564.80
	564.86			
11.7500	564.95	565.07	565.25	565.52
	565.90			
12.0000	566.23	566.57	566.92	567.23
	567.47			
12.2500	567.66	567.81	567.93	568.03
	568.09			
12.5000	568.13	568.16	568.16	568.16
	568.14			
12.7500	568.11	568.07	568.03	567.98
	567.92			
13.0000	567.86	567.81	567.76	567.71
	567.66			
13.2500	567.60	567.53	567.45	567.38
	567.30			
13.5000	567.23	567.16	567.09	567.02
	566.95			
13.7500	566.87	566.77	566.66	566.54
	566.41			
14.0000	566.29	566.18	566.06	565.94
	565.81			
14.2500	565.70	565.61	565.54	565.48
	565.42			
14.5000	565.38	565.34	565.30	565.27
	565.24			
14.7500	565.22	565.19	565.17	565.16
	565.14			
15.0000	565.13	565.11	565.10	565.09
	565.08			
15.2500	565.06	565.05	565.04	565.03
	565.02			

15.5000	565.01	565.00	564.99	564.98
564.97				
15.7500	564.96	564.95	564.95	564.94
564.93				
16.0000	564.92	564.91	564.90	564.89
564.88				
16.2500	564.87	564.87	564.86	564.85
564.84				
16.5000	564.83	564.83	564.82	564.81
564.81				
16.7500	564.80	564.80	564.79	564.79
564.78				
17.0000	564.78	564.77	564.77	564.76
564.76				
17.2500	564.75	564.75	564.74	564.74
564.74				
17.5000	564.73	564.73	564.73	564.72
564.72				
17.7500	564.71	564.71	564.70	564.69
564.69				
18.0000	564.68	564.68	564.67	564.67
564.67				
18.2500	564.66	564.66	564.65	564.65
564.65				
18.5000	564.64	564.64	564.63	564.63
564.63				
18.7500	564.62	564.62	564.61	564.61
564.61				
19.0000	564.60	564.60	564.60	564.59
564.59				
19.2500	564.58	564.58	564.58	564.57
564.57				
19.5000	564.56	564.56	564.56	564.55
564.55				
19.7500	564.54	564.54	564.54	564.53
564.53				
20.0000	564.52	564.52	564.51	564.51
564.51				
20.2500	564.50	564.50	564.49	564.49
564.49				
20.5000	564.48	564.48	564.48	564.47
564.47				
20.7500	564.47	564.47	564.47	564.46
564.46				
21.0000	564.46	564.46	564.46	564.46
564.46				
21.2500	564.46	564.45	564.45	564.45
564.45				
21.5000	564.45	564.45	564.45	564.45
564.45				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
21.7500	564.45	564.45	564.44	564.44
	564.44			
22.0000	564.44	564.44	564.44	564.44
	564.44			
22.2500	564.44	564.44	564.44	564.43
	564.43			
22.5000	564.43	564.43	564.43	564.43
	564.43			
22.7500	564.43	564.43	564.43	564.43
	564.42			
23.0000	564.42	564.42	564.42	564.42
	564.42			
23.2500	564.42	564.42	564.42	564.42
	564.42			
23.5000	564.41	564.41	564.41	564.41
	564.41			
23.7500	564.41	564.41	564.41	564.41
	564.41			
24.0000	564.41	564.40	564.40	564.40
	564.39			
24.2500	564.38	564.36	564.34	564.30
	564.27			
24.5000	564.23	564.19	564.15	564.12
	564.09			
24.7500	564.05	564.02	563.98	563.90
	563.84			
25.0000	563.79	563.76	563.73	563.71
	563.69			
25.2500	563.67	563.66	563.65	563.63
	563.62			
25.5000	563.62	563.61	563.60	563.60
	563.59			
25.7500	563.59	563.58	563.58	563.57
	563.57			
26.0000	563.56	563.56	563.56	563.55
	563.55			
26.2500	563.55	563.55	563.54	563.54
	563.54			

26.5000	563.54	563.53	563.53	563.53
563.53				
26.7500	563.53	563.53	563.53	563.52
563.52				
27.0000	563.52	563.52	563.52	563.52
563.52				
27.2500	563.52	563.52	563.51	563.51
563.51				
27.5000	563.51	563.51	563.51	563.51
563.51				
27.7500	563.51	563.51	563.51	563.51
563.51				
28.0000	563.51	563.51	563.51	563.51
563.51				
28.2500	563.51	563.51	563.50	563.50
563.50				
28.5000	563.50	563.50	563.50	563.50
563.50				
28.7500	563.50	563.50	563.50	563.50
563.50				
29.0000	563.50	563.50	563.50	563.50
563.50				
29.2500	563.50	563.50	563.50	563.50
563.50				
29.5000	563.50	563.50	563.50	563.50
563.50				
29.7500	563.50	563.50	563.50	563.50
563.50				
30.0000	563.50	563.50	563.50	563.50
563.50				
30.2500	563.50	563.50	563.50	563.50
563.50				
30.5000	563.50	563.50	563.50	563.50
563.50				
30.7500	563.50	563.50	563.50	563.50
563.50				
31.0000	563.50	563.50	563.50	563.50
563.50				
31.2500	563.50	563.50	563.50	563.50
563.50				
31.5000	563.50	563.50	563.50	563.50
563.50				
31.7500	563.50	563.50	563.50	563.50
563.50				
32.0000	563.50	563.50	563.50	563.50
563.50				
32.2500	563.50	563.50	563.50	563.50
563.50				
32.5000	563.50	563.50	563.50	563.50
563.50				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
32.7500	563.50	563.50	563.50	563.50	563.50
33.0000	563.50	563.50	563.50	563.50	563.50
33.2500	563.50	563.50	563.50	563.50	563.50
33.5000	563.50	563.50	563.50	563.50	563.50
33.7500	563.50	563.50	563.50	563.50	563.50
34.0000	563.50	563.50	563.50	563.50	563.50
34.2500	563.50	563.50	563.50	563.50	563.50
34.5000	563.50	563.50	563.50	563.50	563.50
34.7500	563.50	563.50	563.50	563.50	563.50
35.0000	563.50				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	563.50	563.50	563.50	563.50 563.50
.2500	563.50	563.50	563.50	563.50 563.50
.5000	563.50	563.50	563.50	563.50 563.50
.7500	563.50	563.50	563.50	563.50 563.50
1.0000	563.50	563.50	563.50	563.50 563.50
1.2500	563.50	563.50	563.50	563.50 563.50
1.5000	563.50	563.50	563.50	563.50 563.50
1.7500	563.50	563.50	563.50	563.50 563.50
2.0000	563.50	563.50	563.50	563.50 563.50
2.2500	563.50	563.50	563.50	563.50 563.50
2.5000	563.50	563.50	563.50	563.50 563.50
2.7500	563.50	563.50	563.50	563.50 563.50
3.0000	563.50	563.50	563.50	563.50 563.50
3.2500	563.50	563.50	563.50	563.50 563.50
3.5000	563.50	563.50	563.50	563.50 563.50
3.7500	563.50	563.50	563.50	563.50 563.50
4.0000	563.50	563.50	563.50	563.50 563.50
4.2500	563.50	563.50	563.50	563.50 563.50
4.5000	563.50	563.50	563.50	563.50 563.50

4.7500	563.50	563.50	563.50	563.50
563.50				
5.0000	563.50	563.50	563.50	563.50
563.50				
5.2500	563.50	563.50	563.50	563.50
563.50				
5.5000	563.50	563.50	563.50	563.50
563.50				
5.7500	563.50	563.50	563.50	563.50
563.50				
6.0000	563.50	563.50	563.50	563.50
563.50				
6.2500	563.50	563.50	563.50	563.50
563.50				
6.5000	563.50	563.50	563.50	563.50
563.50				
6.7500	563.50	563.50	563.50	563.50
563.50				
7.0000	563.50	563.50	563.50	563.50
563.50				
7.2500	563.50	563.50	563.50	563.50
563.50				
7.5000	563.50	563.50	563.50	563.50
563.50				
7.7500	563.50	563.50	563.50	563.50
563.50				
8.0000	563.50	563.50	563.50	563.50
563.50				
8.2500	563.50	563.50	563.50	563.50
563.50				
8.5000	563.50	563.50	563.51	563.51
563.51				
8.7500	563.52	563.53	563.54	563.55
563.57				
9.0000	563.60	563.63	563.67	563.71
563.75				
9.2500	563.79	563.82	563.85	563.87
563.90				
9.5000	563.92	563.94	563.96	563.98
563.99				
9.7500	564.00	564.01	564.02	564.03
564.04				
10.0000	564.05	564.07	564.08	564.10
564.12				
10.2500	564.14	564.15	564.17	564.19
564.21				
10.5000	564.23	564.25	564.28	564.30
564.33				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
10.7500	564.36	564.39	564.42	564.45
	564.48			
11.0000	564.51	564.54	564.58	564.61
	564.64			
11.2500	564.67	564.70	564.72	564.75
	564.78			
11.5000	564.82	564.85	564.90	564.96
	565.03			
11.7500	565.14	565.28	565.50	565.81
	566.15			
12.0000	566.47	566.82	567.17	567.45
	567.68			
12.2500	567.89	568.06	568.19	568.31
	568.40			
12.5000	568.46	568.50	568.52	568.52
	568.51			
12.7500	568.48	568.44	568.39	568.33
	568.27			
13.0000	568.21	568.14	568.08	568.02
	567.94			
13.2500	567.87	567.81	567.75	567.70
	567.64			
13.5000	567.57	567.50	567.42	567.35
	567.28			
13.7500	567.20	567.13	567.06	566.99
	566.92			
14.0000	566.84	566.73	566.62	566.50
	566.38			
14.2500	566.26	566.14	566.03	565.90
	565.78			
14.5000	565.68	565.60	565.54	565.48
	565.44			
14.7500	565.40	565.36	565.33	565.31
	565.28			
15.0000	565.26	565.24	565.22	565.20
	565.19			
15.2500	565.18	565.16	565.15	565.14
	565.13			

15.5000	565.12	565.11	565.10	565.09
565.08				
15.7500	565.07	565.06	565.05	565.03
565.02				
16.0000	565.01	565.00	564.99	564.98
564.98				
16.2500	564.97	564.96	564.95	564.94
564.93				
16.5000	564.92	564.91	564.90	564.90
564.89				
16.7500	564.88	564.88	564.87	564.86
564.86				
17.0000	564.85	564.85	564.84	564.84
564.83				
17.2500	564.83	564.83	564.82	564.82
564.81				
17.5000	564.81	564.81	564.80	564.80
564.80				
17.7500	564.79	564.79	564.78	564.78
564.78				
18.0000	564.77	564.77	564.76	564.76
564.76				
18.2500	564.75	564.75	564.75	564.74
564.74				
18.5000	564.73	564.73	564.73	564.72
564.72				
18.7500	564.71	564.70	564.70	564.69
564.68				
19.0000	564.68	564.67	564.67	564.66
564.66				
19.2500	564.65	564.65	564.64	564.64
564.63				
19.5000	564.63	564.63	564.62	564.62
564.61				
19.7500	564.61	564.60	564.60	564.59
564.59				
20.0000	564.59	564.58	564.58	564.57
564.57				
20.2500	564.56	564.56	564.56	564.55
564.55				
20.5000	564.54	564.54	564.54	564.54
564.53				
20.7500	564.53	564.53	564.53	564.53
564.52				
21.0000	564.52	564.52	564.52	564.52
564.52				
21.2500	564.52	564.52	564.52	564.51
564.51				
21.5000	564.51	564.51	564.51	564.51
564.51				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
21.7500	564.51	564.51	564.51	564.51
564.50				
22.0000	564.50	564.50	564.50	564.50
564.50				
22.2500	564.50	564.50	564.50	564.50
564.49				
22.5000	564.49	564.49	564.49	564.49
564.49				
22.7500	564.49	564.49	564.49	564.49
564.48				
23.0000	564.48	564.48	564.48	564.48
564.48				
23.2500	564.48	564.48	564.48	564.48
564.47				
23.5000	564.47	564.47	564.47	564.47
564.47				
23.7500	564.47	564.47	564.47	564.46
564.46				
24.0000	564.46	564.46	564.46	564.45
564.44				
24.2500	564.43	564.41	564.38	564.35
564.31				
24.5000	564.27	564.22	564.18	564.15
564.11				
24.7500	564.08	564.04	564.01	563.95
563.87				
25.0000	563.82	563.78	563.74	563.72
563.70				
25.2500	563.68	563.66	563.65	563.64
563.63				
25.5000	563.62	563.61	563.60	563.60
563.59				
25.7500	563.59	563.58	563.58	563.57
563.57				
26.0000	563.57	563.56	563.56	563.56
563.55				
26.2500	563.55	563.55	563.54	563.54
563.54				

26.5000	563.54	563.54	563.53	563.53
563.53				
26.7500	563.53	563.53	563.53	563.52
563.52				
27.0000	563.52	563.52	563.52	563.52
563.52				
27.2500	563.52	563.52	563.51	563.51
563.51				
27.5000	563.51	563.51	563.51	563.51
563.51				
27.7500	563.51	563.51	563.51	563.51
563.51				
28.0000	563.51	563.51	563.51	563.51
563.51				
28.2500	563.51	563.51	563.50	563.50
563.50				
28.5000	563.50	563.50	563.50	563.50
563.50				
28.7500	563.50	563.50	563.50	563.50
563.50				
29.0000	563.50	563.50	563.50	563.50
563.50				
29.2500	563.50	563.50	563.50	563.50
563.50				
29.5000	563.50	563.50	563.50	563.50
563.50				
29.7500	563.50	563.50	563.50	563.50
563.50				
30.0000	563.50	563.50	563.50	563.50
563.50				
30.2500	563.50	563.50	563.50	563.50
563.50				
30.5000	563.50	563.50	563.50	563.50
563.50				
30.7500	563.50	563.50	563.50	563.50
563.50				
31.0000	563.50	563.50	563.50	563.50
563.50				
31.2500	563.50	563.50	563.50	563.50
563.50				
31.5000	563.50	563.50	563.50	563.50
563.50				
31.7500	563.50	563.50	563.50	563.50
563.50				
32.0000	563.50	563.50	563.50	563.50
563.50				
32.2500	563.50	563.50	563.50	563.50
563.50				
32.5000	563.50	563.50	563.50	563.50
563.50				

TIME vs. ELEVATION (ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
32.7500	563.50	563.50	563.50	563.50	563.50
33.0000	563.50	563.50	563.50	563.50	563.50
33.2500	563.50	563.50	563.50	563.50	563.50
33.5000	563.50	563.50	563.50	563.50	563.50
33.7500	563.50	563.50	563.50	563.50	563.50
34.0000	563.50	563.50	563.50	563.50	563.50
34.2500	563.50	563.50	563.50	563.50	563.50
34.5000	563.50	563.50	563.50	563.50	563.50
34.7500	563.50	563.50	563.50	563.50	563.50
35.0000	563.50				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
.0000	563.50	563.50	563.50	563.50	563.50
.2500	563.50	563.50	563.50	563.50	563.50
.5000	563.50	563.50	563.50	563.50	563.50
.7500	563.50	563.50	563.50	563.50	563.50
1.0000	563.50	563.50	563.50	563.50	563.50
1.2500	563.50	563.50	563.50	563.50	563.50
1.5000	563.50	563.50	563.50	563.50	563.50
1.7500	563.50	563.50	563.50	563.50	563.50
2.0000	563.50	563.50	563.50	563.50	563.50
2.2500	563.50	563.50	563.50	563.50	563.50
2.5000	563.50	563.50	563.50	563.50	563.50
2.7500	563.50	563.50	563.50	563.50	563.50
3.0000	563.50	563.50	563.50	563.50	563.50
3.2500	563.50	563.50	563.50	563.50	563.50
3.5000	563.50	563.50	563.50	563.50	563.50
3.7500	563.50	563.50	563.50	563.50	563.50
4.0000	563.50	563.50	563.50	563.50	563.50
4.2500	563.50	563.50	563.50	563.50	563.50
4.5000	563.50	563.50	563.50	563.50	563.50

4.7500	563.50	563.50	563.50	563.50
563.50				
5.0000	563.50	563.50	563.50	563.50
563.50				
5.2500	563.50	563.50	563.50	563.50
563.50				
5.5000	563.50	563.50	563.50	563.50
563.50				
5.7500	563.50	563.50	563.50	563.50
563.50				
6.0000	563.50	563.50	563.50	563.50
563.50				
6.2500	563.50	563.50	563.50	563.50
563.50				
6.5000	563.50	563.50	563.50	563.50
563.50				
6.7500	563.50	563.50	563.50	563.50
563.50				
7.0000	563.50	563.50	563.50	563.50
563.50				
7.2500	563.50	563.50	563.50	563.50
563.50				
7.5000	563.50	563.51	563.51	563.52
563.52				
7.7500	563.53	563.54	563.56	563.58
563.60				
8.0000	563.63	563.66	563.70	563.74
563.77				
8.2500	563.80	563.82	563.84	563.86
563.88				
8.5000	563.90	563.92	563.94	563.96
563.98				
8.7500	563.99	564.00	564.01	564.02
564.03				
9.0000	564.05	564.06	564.08	564.10
564.11				
9.2500	564.13	564.15	564.16	564.18
564.19				
9.5000	564.21	564.23	564.24	564.26
564.27				
9.7500	564.29	564.31	564.32	564.33
564.35				
10.0000	564.37	564.39	564.41	564.43
564.45				
10.2500	564.47	564.49	564.51	564.53
564.56				
10.5000	564.58	564.61	564.64	564.66
564.68				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
10.7500	564.70	564.72	564.74	564.76
	564.78			
11.0000	564.81	564.83	564.86	564.89
	564.93			
11.2500	564.97	565.01	565.05	565.10
	565.15			
11.5000	565.21	565.27	565.34	565.42
	565.52			
11.7500	565.66	565.86	566.10	566.36
	566.67			
12.0000	567.02	567.35	567.65	567.95
	568.20			
12.2500	568.44	568.65	568.85	569.00
	569.10			
12.5000	569.15	569.18	569.20	569.20
	569.19			
12.7500	569.17	569.16	569.13	569.10
	569.07			
13.0000	569.03	568.99	568.93	568.86
	568.80			
13.2500	568.73	568.66	568.58	568.50
	568.42			
13.5000	568.33	568.25	568.17	568.09
	568.02			
13.7500	567.94	567.87	567.80	567.74
	567.68			
14.0000	567.62	567.55	567.48	567.41
	567.33			
14.2500	567.26	567.19	567.11	567.04
	566.98			
14.5000	566.91	566.83	566.73	566.61
	566.50			
14.7500	566.38	566.28	566.17	566.07
	565.97			
15.0000	565.85	565.76	565.69	565.63
	565.58			
15.2500	565.54	565.50	565.47	565.44
	565.42			

15.5000	565.40	565.38	565.37	565.35
565.33				
15.7500	565.32	565.30	565.29	565.27
565.26				
16.0000	565.25	565.23	565.22	565.21
565.20				
16.2500	565.19	565.17	565.16	565.15
565.14				
16.5000	565.14	565.13	565.12	565.11
565.10				
16.7500	565.10	565.09	565.08	565.07
565.07				
17.0000	565.06	565.05	565.04	565.04
565.03				
17.2500	565.03	565.02	565.02	565.01
565.01				
17.5000	565.00	565.00	564.99	564.99
564.98				
17.7500	564.98	564.97	564.97	564.96
564.96				
18.0000	564.96	564.95	564.95	564.94
564.94				
18.2500	564.93	564.93	564.92	564.92
564.91				
18.5000	564.91	564.90	564.90	564.89
564.89				
18.7500	564.88	564.88	564.87	564.87
564.86				
19.0000	564.86	564.85	564.85	564.84
564.84				
19.2500	564.83	564.83	564.83	564.82
564.82				
19.5000	564.81	564.81	564.80	564.80
564.79				
19.7500	564.79	564.78	564.78	564.77
564.77				
20.0000	564.76	564.76	564.75	564.75
564.74				
20.2500	564.74	564.73	564.73	564.72
564.71				
20.5000	564.70	564.70	564.69	564.69
564.68				
20.7500	564.68	564.68	564.67	564.67
564.67				
21.0000	564.67	564.66	564.66	564.66
564.66				
21.2500	564.66	564.66	564.66	564.66
564.65				
21.5000	564.65	564.65	564.65	564.65
564.65				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
21.7500	564.65	564.65	564.65	564.64
564.64				
22.0000	564.64	564.64	564.64	564.64
564.64				
22.2500	564.64	564.64	564.63	564.63
564.63				
22.5000	564.63	564.63	564.63	564.63
564.63				
22.7500	564.63	564.62	564.62	564.62
564.62				
23.0000	564.62	564.62	564.62	564.62
564.62				
23.2500	564.61	564.61	564.61	564.61
564.61				
23.5000	564.61	564.61	564.61	564.61
564.60				
23.7500	564.60	564.60	564.60	564.60
564.60				
24.0000	564.60	564.60	564.59	564.59
564.58				
24.2500	564.56	564.54	564.50	564.46
564.42				
24.5000	564.37	564.31	564.26	564.21
564.17				
24.7500	564.13	564.09	564.06	564.02
563.98				
25.0000	563.89	563.83	563.79	563.75
563.72				
25.2500	563.70	563.68	563.67	563.65
563.64				
25.5000	563.63	563.62	563.61	563.60
563.60				
25.7500	563.59	563.59	563.58	563.58
563.57				
26.0000	563.57	563.57	563.56	563.56
563.56				
26.2500	563.55	563.55	563.55	563.54
563.54				

26.5000	563.54	563.54	563.54	563.53
563.53				
26.7500	563.53	563.53	563.53	563.53
563.52				
27.0000	563.52	563.52	563.52	563.52
563.52				
27.2500	563.52	563.52	563.52	563.51
563.51				
27.5000	563.51	563.51	563.51	563.51
563.51				
27.7500	563.51	563.51	563.51	563.51
563.51				
28.0000	563.51	563.51	563.51	563.51
563.51				
28.2500	563.51	563.51	563.51	563.50
563.50				
28.5000	563.50	563.50	563.50	563.50
563.50				
28.7500	563.50	563.50	563.50	563.50
563.50				
29.0000	563.50	563.50	563.50	563.50
563.50				
29.2500	563.50	563.50	563.50	563.50
563.50				
29.5000	563.50	563.50	563.50	563.50
563.50				
29.7500	563.50	563.50	563.50	563.50
563.50				
30.0000	563.50	563.50	563.50	563.50
563.50				
30.2500	563.50	563.50	563.50	563.50
563.50				
30.5000	563.50	563.50	563.50	563.50
563.50				
30.7500	563.50	563.50	563.50	563.50
563.50				
31.0000	563.50	563.50	563.50	563.50
563.50				
31.2500	563.50	563.50	563.50	563.50
563.50				
31.5000	563.50	563.50	563.50	563.50
563.50				
31.7500	563.50	563.50	563.50	563.50
563.50				
32.0000	563.50	563.50	563.50	563.50
563.50				
32.2500	563.50	563.50	563.50	563.50
563.50				
32.5000	563.50	563.50	563.50	563.50
563.50				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
32.7500	563.50	563.50	563.50	563.50	563.50
33.0000	563.50	563.50	563.50	563.50	563.50
33.2500	563.50	563.50	563.50	563.50	563.50
33.5000	563.50	563.50	563.50	563.50	563.50
33.7500	563.50	563.50	563.50	563.50	563.50
34.0000	563.50	563.50	563.50	563.50	563.50
34.2500	563.50	563.50	563.50	563.50	563.50
34.5000	563.50	563.50	563.50	563.50	563.50
34.7500	563.50	563.50	563.50	563.50	563.50
35.0000	563.50				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
8.9500	578.50	578.51	578.53	578.57
578.60				
9.2000	578.60	578.61	578.61	578.61
578.61				
9.4500	578.62	578.62	578.63	578.63
578.63				
9.7000	578.64	578.64	578.65	578.65
578.66				
9.9500	578.66	578.67	578.67	578.68
578.69				
10.2000	578.69	578.70	578.72	578.74
578.77				
10.4500	578.79	578.81	578.84	578.86
578.89				
10.7000	578.92	578.94	578.97	579.00
579.01				
10.9500	579.03	579.04	579.06	579.07
579.09				
11.2000	579.11	579.12	579.14	579.16
579.18				
11.4500	579.21	579.24	579.28	579.33
579.42				
11.7000	579.59	579.76	579.93	580.16
580.50				
11.9500	580.93	581.43	581.93	582.42
582.85				
12.2000	583.22	583.50	583.69	583.82
583.89				
12.4500	583.92	583.92	583.89	583.85
583.78				
12.7000	583.71	583.62	583.52	583.41
583.29				
12.9500	583.17	583.04	582.91	582.77
582.62				
13.2000	582.47	582.31	582.15	581.99
581.82				
13.4500	581.64	581.46	581.26	581.07
580.87				

13.7000	580.66	580.45	580.24	580.05
579.88				
13.9500	579.71	579.44	579.41	579.40
579.39				
14.2000	579.38	579.37	579.36	579.35
579.34				
14.4500	579.34	579.33	579.33	579.32
579.32				
14.7000	579.31	579.31	579.30	579.30
579.29				
14.9500	579.29	579.28	579.28	579.28
579.27				
15.2000	579.27	579.26	579.26	579.25
579.25				
15.4500	579.24	579.24	579.23	579.23
579.22				
15.7000	579.22	579.22	579.21	579.21
579.20				
15.9500	579.20	579.19	579.19	579.19
579.18				
16.2000	579.18	579.17	579.17	579.17
579.17				
16.4500	579.17	579.16	579.16	579.16
579.16				
16.7000	579.16	579.16	579.15	579.15
579.15				
16.9500	579.15	579.15	579.15	579.15
579.14				
17.2000	579.14	579.14	579.14	579.14
579.14				
17.4500	579.14	579.13	579.13	579.13
579.13				
17.7000	579.13	579.13	579.13	579.13
579.12				
17.9500	579.12	579.12	579.12	579.12
579.12				
18.2000	579.12	579.11	579.11	579.11
579.11				
18.4500	579.11	579.11	579.11	579.10
579.10				
18.7000	579.10	579.10	579.10	579.10
579.09				
18.9500	579.09	579.09	579.09	579.09
579.08				
19.2000	579.08	579.08	579.08	579.08
579.08				
19.4500	579.07	579.07	579.07	579.07
579.07				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.7000	579.06	579.06	579.06	579.06
579.06				
19.9500	579.05	579.05	579.05	579.05
579.05				
20.2000	579.05	579.04	579.04	579.04
579.04				
20.4500	579.04	579.04	579.04	579.04
579.04				
20.7000	579.04	579.04	579.04	579.04
579.04				
20.9500	579.03	579.03	579.03	579.03
579.03				
21.2000	579.03	579.03	579.03	579.03
579.03				
21.4500	579.03	579.03	579.03	579.03
579.03				
21.7000	579.03	579.03	579.03	579.03
579.03				
21.9500	579.03	579.03	579.03	579.03
579.03				
22.2000	579.03	579.03	579.03	579.02
579.02				
22.4500	579.02	579.02	579.02	579.02
579.02				
22.7000	579.02	579.02	579.02	579.02
579.02				
22.9500	579.02	579.02	579.02	579.02
579.02				
23.2000	579.02	579.02	579.02	579.02
579.02				
23.4500	579.02	579.02	579.02	579.02
579.02				
23.7000	579.02	579.01	579.01	579.01
579.01				
23.9500	579.01	579.01	579.01	579.01
578.98				
24.2000	578.93	578.86	578.78	578.70
578.67				

24.4500	578.65	578.64	578.63	578.62
578.61				
24.7000	578.61	578.61	578.60	578.60
578.60				
24.9500	578.58	578.55	578.54	578.52
578.52				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
8.5500	578.50	578.52	578.55	578.59	578.60
8.8000	578.60	578.61	578.61	578.61	578.62
9.0500	578.62	578.63	578.63	578.63	578.64
9.3000	578.64	578.65	578.65	578.66	578.66
9.5500	578.67	578.67	578.68	578.68	578.69
9.8000	578.69	578.70	578.71	578.72	578.74
10.0500	578.76	578.78	578.80	578.82	578.84
10.3000	578.87	578.89	578.91	578.94	578.97
10.5500	578.99	579.01	579.02	579.03	579.04
10.8000	579.05	579.07	579.08	579.10	579.11
11.0500	579.13	579.14	579.16	579.17	579.19
11.3000	579.22	579.25	579.28	579.32	579.35
11.5500	579.40	579.47	579.58	579.73	579.86
11.8000	580.06	580.34	580.74	581.22	581.75
12.0500	582.29	582.82	583.29	583.69	583.99
12.3000	584.21	584.35	584.44	584.49	584.50
12.5500	584.49	584.46	584.41	584.35	584.27
12.8000	584.19	584.10	584.00	583.89	583.78
13.0500	583.66	583.54	583.41	583.28	583.14

13.3000	583.00	582.85	582.70	582.55
582.39				
13.5500	582.23	582.07	581.90	581.72
581.54				
13.8000	581.35	581.16	580.96	580.75
580.54				
14.0500	580.33	580.13	579.95	579.78
579.55				
14.3000	579.43	579.42	579.41	579.40
579.39				
14.5500	579.39	579.38	579.38	579.37
579.37				
14.8000	579.36	579.36	579.35	579.35
579.34				
15.0500	579.34	579.33	579.33	579.32
579.32				
15.3000	579.31	579.31	579.30	579.30
579.29				
15.5500	579.29	579.28	579.28	579.27
579.27				
15.8000	579.26	579.26	579.25	579.25
579.24				
16.0500	579.23	579.23	579.22	579.22
579.21				
16.3000	579.21	579.21	579.20	579.20
579.20				
16.5500	579.20	579.19	579.19	579.19
579.19				
16.8000	579.19	579.19	579.19	579.18
579.18				
17.0500	579.18	579.18	579.18	579.18
579.17				
17.3000	579.17	579.17	579.17	579.17
579.17				
17.5500	579.16	579.16	579.16	579.16
579.16				
17.8000	579.16	579.16	579.15	579.15
579.15				
18.0500	579.15	579.15	579.15	579.14
579.14				
18.3000	579.14	579.14	579.14	579.14
579.13				
18.5500	579.13	579.13	579.13	579.13
579.13				
18.8000	579.12	579.12	579.12	579.12
579.12				
19.0500	579.12	579.11	579.11	579.11
579.11				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.3000	579.11	579.11	579.11	579.10
579.10				
19.5500	579.10	579.10	579.10	579.09
579.09				
19.8000	579.09	579.09	579.09	579.08
579.08				
20.0500	579.08	579.08	579.07	579.07
579.07				
20.3000	579.07	579.07	579.07	579.07
579.07				
20.5500	579.06	579.06	579.06	579.06
579.06				
20.8000	579.06	579.06	579.06	579.06
579.06				
21.0500	579.06	579.06	579.06	579.06
579.06				
21.3000	579.06	579.06	579.06	579.06
579.06				
21.5500	579.06	579.06	579.06	579.05
579.05				
21.8000	579.05	579.05	579.05	579.05
579.05				
22.0500	579.05	579.05	579.05	579.05
579.05				
22.3000	579.05	579.05	579.05	579.05
579.05				
22.5500	579.05	579.05	579.05	579.05
579.05				
22.8000	579.05	579.05	579.05	579.04
579.04				
23.0500	579.04	579.04	579.04	579.04
579.04				
23.3000	579.04	579.04	579.04	579.04
579.04				
23.5500	579.04	579.04	579.04	579.04
579.04				
23.8000	579.04	579.04	579.04	579.04
579.04				

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     24.0500 |      579.03      579.03      579.01      578.98
578.91
     24.3000 |      578.82      578.73      578.68      578.66
578.64
     24.5500 |      578.63      578.62      578.62      578.61
578.61
     24.8000 |      578.60      578.60      578.60      578.58
578.56
     25.0500 |      578.54      578.53      578.52

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.4500	578.50	578.51	578.53	578.57	578.60
7.7000	578.60	578.60	578.61	578.61	578.61
7.9500	578.62	578.62	578.62	578.62	578.63
8.2000	578.63	578.64	578.64	578.64	578.65
8.4500	578.65	578.66	578.66	578.67	578.67
8.7000	578.68	578.68	578.69	578.70	578.71
8.9500	578.72	578.74	578.76	578.78	578.80
9.2000	578.82	578.83	578.85	578.86	578.88
9.4500	578.89	578.90	578.92	578.93	578.94
9.7000	578.96	578.97	578.99	579.00	579.01
9.9500	579.02	579.03	579.03	579.04	579.05
10.2000	579.06	579.07	579.08	579.10	579.11
10.4500	579.12	579.13	579.14	579.15	579.16
10.7000	579.18	579.19	579.21	579.23	579.25
10.9500	579.27	579.29	579.32	579.34	579.36
11.2000	579.39	579.43	579.48	579.52	579.57
11.4500	579.62	579.68	579.72	579.77	579.85
11.7000	579.99	580.18	580.46	580.85	581.34
11.9500	581.91	582.53	583.17	583.78	584.32

12.2000	584.78	585.14	585.40	585.59
585.71				
12.4500	585.79	585.83	585.84	585.84
585.81				
12.7000	585.78	585.73	585.67	585.60
585.53				
12.9500	585.45	585.37	585.28	585.19
585.10				
13.2000	585.00	584.90	584.79	584.69
584.58				
13.4500	584.46	584.35	584.23	584.11
583.98				
13.7000	583.86	583.72	583.59	583.45
583.31				
13.9500	583.17	583.02	582.87	582.72
582.56				
14.2000	582.40	582.23	582.06	581.89
581.71				
14.4500	581.52	581.34	581.14	580.94
580.74				
14.7000	580.54	580.34	580.15	579.98
579.83				
14.9500	579.69	579.50	579.50	579.49
579.48				
15.2000	579.47	579.47	579.46	579.45
579.44				
15.4500	579.44	579.43	579.42	579.41
579.40				
15.7000	579.40	579.39	579.38	579.38
579.37				
15.9500	579.37	579.36	579.35	579.35
579.34				
16.2000	579.33	579.33	579.32	579.32
579.32				
16.4500	579.31	579.31	579.31	579.30
579.30				
16.7000	579.30	579.30	579.29	579.29
579.29				
16.9500	579.29	579.28	579.28	579.28
579.28				
17.2000	579.27	579.27	579.27	579.27
579.26				
17.4500	579.26	579.26	579.26	579.25
579.25				
17.7000	579.25	579.25	579.24	579.24
579.24				
17.9500	579.24	579.23	579.23	579.23
579.23				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
18.2000	579.22	579.22	579.22	579.22
18.4500	579.21	579.21	579.20	579.20
18.7000	579.20	579.20	579.19	579.19
18.9500	579.19	579.18	579.18	579.18
19.2000	579.18	579.17	579.17	579.17
19.4500	579.17	579.16	579.16	579.16
19.7000	579.15	579.15	579.15	579.15
19.9500	579.14	579.14	579.14	579.14
20.2000	579.13	579.13	579.13	579.13
20.4500	579.13	579.13	579.13	579.12
20.7000	579.12	579.12	579.12	579.12
20.9500	579.12	579.12	579.12	579.12
21.2000	579.12	579.12	579.12	579.12
21.4500	579.12	579.12	579.12	579.12
21.7000	579.12	579.12	579.12	579.11
21.9500	579.11	579.11	579.11	579.11
22.2000	579.11	579.11	579.11	579.11
22.4500	579.11	579.11	579.11	579.11
22.7000	579.11	579.11	579.11	579.11

22.9500	579.11	579.11	579.10	579.10	579.10
23.2000	579.10	579.10	579.10	579.10	579.10
23.4500	579.10	579.10	579.10	579.10	579.10
23.7000	579.10	579.10	579.10	579.10	579.10
23.9500	579.10	579.10	579.09	579.09	579.07
24.2000	579.04	579.01	578.92	578.82	578.72
24.4500	578.68	578.66	578.64	578.63	578.62
24.7000	578.61	578.61	578.61	578.60	578.60
24.9500	578.60	578.58	578.55	578.54	578.52

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
9.4000	548.70	548.70	548.70	548.70
548.70				
9.6500	548.70	548.71	548.71	548.71
548.72				
9.9000	548.72	548.73	548.74	548.74
548.75				
10.1500	548.76	548.77	548.79	548.80
548.81				
10.4000	548.83	548.85	548.86	548.88
548.90				
10.6500	548.92	548.95	548.97	548.99
549.02				
10.9000	549.04	549.07	549.10	549.13
549.16				
11.1500	549.20	549.23	549.27	549.31
549.35				
11.4000	549.40	549.45	549.50	549.56
549.63				
11.6500	549.73	549.86	550.07	550.38
550.83				
11.9000	551.45	552.25	553.17	554.13
555.04				
12.1500	555.80	556.39	556.83	557.14
557.36				
12.4000	557.51	557.63	557.71	557.77
557.80				
12.6500	557.82	557.82	557.81	557.79
557.78				
12.9000	557.76	557.73	557.71	557.68
557.64				
13.1500	557.61	557.57	557.53	557.49
557.45				
13.4000	557.41	557.36	557.31	557.27
557.22				
13.6500	557.16	557.11	557.06	557.00
556.95				
13.9000	556.89	556.83	556.77	556.71
556.65				

14.1500	556.59	556.52	556.46	556.39
556.33				
14.4000	556.26	556.19	556.13	556.06
555.99				
14.6500	555.92	555.85	555.78	555.71
555.64				
14.9000	555.57	555.50	555.43	555.36
555.28				
15.1500	555.21	555.14	555.06	554.99
554.91				
15.4000	554.84	554.76	554.69	554.61
554.53				
15.6500	554.46	554.38	554.30	554.22
554.14				
15.9000	554.06	553.98	553.90	553.82
553.74				
16.1500	553.65	553.57	553.49	553.41
553.32				
16.4000	553.24	553.16	553.07	552.99
552.91				
16.6500	552.82	552.74	552.66	552.58
552.50				
16.9000	552.41	552.33	552.25	552.17
552.09				
17.1500	552.01	551.93	551.85	551.77
551.69				
17.4000	551.62	551.54	551.46	551.39
551.32				
17.6500	551.24	551.17	551.10	551.03
550.96				
17.9000	550.89	550.82	550.76	550.69
550.63				
18.1500	550.57	550.51	550.45	550.40
550.34				
18.4000	550.29	550.24	550.19	550.14
550.09				
18.6500	550.05	550.00	549.96	549.93
549.89				
18.9000	549.86	549.83	549.80	549.78
549.76				
19.1500	549.74	549.72	549.70	549.68
549.67				
19.4000	549.66	549.64	549.63	549.62
549.61				
19.6500	549.60	549.59	549.58	549.57
549.57				
19.9000	549.56	549.55	549.54	549.54
549.53				

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
20.1500	549.53	549.52	549.51	549.51
20.4000	549.50	549.49	549.49	549.49
20.6500	549.48	549.48	549.47	549.47
20.9000	549.47	549.47	549.46	549.46
21.1500	549.46	549.46	549.45	549.45
21.4000	549.45	549.45	549.45	549.45
21.6500	549.44	549.44	549.44	549.44
21.9000	549.44	549.44	549.44	549.44
22.1500	549.43	549.43	549.43	549.43
22.4000	549.43	549.43	549.43	549.43
22.6500	549.42	549.42	549.42	549.42
22.9000	549.42	549.42	549.42	549.42
23.1500	549.42	549.41	549.41	549.41
23.4000	549.41	549.41	549.41	549.41
23.6500	549.41	549.41	549.41	549.40
23.9000	549.40	549.40	549.40	549.40
24.1500	549.39	549.37	549.35	549.32
24.4000	549.27	549.24	549.21	549.18
24.6500	549.13	549.11	549.08	549.06

549.30
549.15
549.05

24.9000	549.03	549.01	549.00	548.98
548.97				
25.1500	548.96	548.95	548.93	548.92
548.92				
25.4000	548.91	548.90	548.89	548.88
548.88				
25.6500	548.87	548.86	548.86	548.85
548.84				
25.9000	548.84	548.83	548.83	548.83
548.82				
26.1500	548.82	548.81	548.81	548.81
548.80				
26.4000	548.80	548.80	548.79	548.79
548.79				
26.6500	548.79	548.78	548.78	548.78
548.78				
26.9000	548.77	548.77	548.77	548.77
548.77				
27.1500	548.76	548.76	548.76	548.76
548.76				
27.4000	548.75	548.75	548.75	548.75
548.75				
27.6500	548.75	548.75	548.74	548.74
548.74				
27.9000	548.74	548.74	548.74	548.74
548.74				
28.1500	548.73	548.73	548.73	548.73
548.73				
28.4000	548.73	548.73	548.73	548.73
548.73				
28.6500	548.73	548.72	548.72	548.72
548.72				
28.9000	548.72	548.72	548.72	548.72
548.72				
29.1500	548.72	548.72	548.72	548.72
548.72				
29.4000	548.72	548.72	548.72	548.71
548.71				
29.6500	548.71	548.71	548.71	548.71
548.71				
29.9000	548.71	548.71	548.71	548.71
548.71				
30.1500	548.71	548.71	548.71	548.71
548.71				
30.4000	548.71	548.71	548.71	548.71
548.71				
30.6500	548.71	548.71	548.71	548.71
548.71				
30.9000	548.71	548.71	548.71	

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
8.9500	548.70	548.70	548.70	548.70
9.2000	548.70	548.71	548.71	548.71
9.4500	548.72	548.73	548.74	548.74
9.7000	548.76	548.77	548.78	548.79
9.9500	548.82	548.83	548.85	548.86
10.2000	548.90	548.91	548.93	548.95
10.4500	548.99	549.01	549.04	549.06
10.7000	549.11	549.14	549.16	549.19
10.9500	549.25	549.29	549.32	549.35
11.2000	549.43	549.47	549.52	549.56
11.4500	549.67	549.73	549.79	549.87
11.7000	550.14	550.39	550.76	551.28
11.9500	552.86	553.87	554.91	555.87
12.2000	557.33	557.79	558.08	558.20
12.4500	558.22	558.18	558.13	558.09
12.7000	558.00	557.96	557.93	557.89
12.9500	557.83	557.81	557.78	557.76
13.2000	557.71	557.68	557.65	557.61
13.4500	557.54	557.50	557.46	557.42

548.70
548.72
548.75
548.81
548.88
548.97
549.08
549.22
549.39
549.62
549.98
551.98
556.69
558.23
558.04
557.86
557.73
557.58
557.37

13.7000	557.33	557.28	557.24	557.19
557.14				
13.9500	557.09	557.03	556.98	556.92
556.87				
14.2000	556.81	556.75	556.69	556.63
556.57				
14.4500	556.51	556.45	556.39	556.33
556.27				
14.7000	556.20	556.14	556.07	556.01
555.95				
14.9500	555.88	555.81	555.75	555.68
555.61				
15.2000	555.55	555.48	555.41	555.34
555.27				
15.4500	555.20	555.13	555.06	554.99
554.92				
15.7000	554.84	554.77	554.70	554.62
554.55				
15.9500	554.47	554.40	554.32	554.24
554.17				
16.2000	554.09	554.01	553.93	553.85
553.78				
16.4500	553.70	553.62	553.54	553.46
553.38				
16.7000	553.30	553.22	553.14	553.07
552.99				
16.9500	552.91	552.83	552.75	552.67
552.60				
17.2000	552.52	552.44	552.36	552.29
552.21				
17.4500	552.13	552.06	551.98	551.91
551.83				
17.7000	551.76	551.68	551.61	551.54
551.47				
17.9500	551.40	551.33	551.26	551.19
551.12				
18.2000	551.06	550.99	550.93	550.86
550.80				
18.4500	550.74	550.68	550.62	550.56
550.51				
18.7000	550.45	550.40	550.35	550.30
550.25				
18.9500	550.21	550.16	550.12	550.07
550.03				
19.2000	550.00	549.96	549.92	549.89
549.86				
19.4500	549.84	549.81	549.79	549.77
549.75				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
19.7000	549.73	549.72	549.70	549.69
549.67				
19.9500	549.66	549.65	549.64	549.63
549.62				
20.2000	549.61	549.60	549.60	549.59
549.58				
20.4500	549.58	549.57	549.56	549.56
549.56				
20.7000	549.55	549.55	549.54	549.54
549.54				
20.9500	549.54	549.53	549.53	549.53
549.53				
21.2000	549.52	549.52	549.52	549.52
549.52				
21.4500	549.52	549.51	549.51	549.51
549.51				
21.7000	549.51	549.51	549.51	549.51
549.50				
21.9500	549.50	549.50	549.50	549.50
549.50				
22.2000	549.50	549.50	549.50	549.49
549.49				
22.4500	549.49	549.49	549.49	549.49
549.49				
22.7000	549.49	549.49	549.49	549.48
549.48				
22.9500	549.48	549.48	549.48	549.48
549.48				
23.2000	549.48	549.48	549.47	549.47
549.47				
23.4500	549.47	549.47	549.47	549.47
549.47				
23.7000	549.47	549.47	549.46	549.46
549.46				
23.9500	549.46	549.46	549.46	549.45
549.45				
24.2000	549.43	549.41	549.38	549.34
549.31				

24.4500	549.28	549.25	549.22	549.19
549.16				
24.7000	549.13	549.11	549.09	549.07
549.05				
24.9500	549.03	549.02	549.00	548.99
548.97				
25.2000	548.96	548.95	548.94	548.93
548.92				
25.4500	548.91	548.90	548.89	548.88
548.88				
25.7000	548.87	548.86	548.86	548.85
548.85				
25.9500	548.84	548.84	548.83	548.83
548.82				
26.2000	548.82	548.81	548.81	548.81
548.80				
26.4500	548.80	548.80	548.79	548.79
548.79				
26.7000	548.79	548.78	548.78	548.78
548.78				
26.9500	548.77	548.77	548.77	548.77
548.77				
27.2000	548.76	548.76	548.76	548.76
548.76				
27.4500	548.75	548.75	548.75	548.75
548.75				
27.7000	548.75	548.75	548.74	548.74
548.74				
27.9500	548.74	548.74	548.74	548.74
548.74				
28.2000	548.73	548.73	548.73	548.73
548.73				
28.4500	548.73	548.73	548.73	548.73
548.73				
28.7000	548.73	548.73	548.72	548.72
548.72				
28.9500	548.72	548.72	548.72	548.72
548.72				
29.2000	548.72	548.72	548.72	548.72
548.72				
29.4500	548.72	548.72	548.72	548.72
548.71				
29.7000	548.71	548.71	548.71	548.71
548.71				
29.9500	548.71	548.71	548.71	548.71
548.71				
30.2000	548.71	548.71	548.71	548.71
548.71				
30.4500	548.71	548.71	548.71	548.71
548.71				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
30.7000	548.71	548.71	548.71	548.71	548.71
30.9500	548.71	548.71	548.71		

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.9500	548.70	548.70	548.70	548.70
8.2000	548.70	548.71	548.71	548.71
8.4500	548.72	548.73	548.73	548.74
8.7000	548.76	548.77	548.78	548.79
8.9500	548.82	548.83	548.84	548.86
9.2000	548.89	548.91	548.92	548.94
9.4500	548.98	548.99	549.01	549.03
9.7000	549.06	549.08	549.09	549.11
9.9500	549.15	549.17	549.19	549.21
10.2000	549.25	549.27	549.29	549.32
10.4500	549.37	549.39	549.42	549.45
10.7000	549.51	549.54	549.57	549.61
10.9500	549.68	549.72	549.76	549.81
11.2000	549.90	549.95	550.01	550.07
11.4500	550.23	550.32	550.42	550.54
11.7000	550.96	551.31	551.81	552.48
11.9500	554.40	555.59	556.78	557.87
12.2000	558.92	558.95	558.86	558.73
12.4500	558.50	558.40	558.32	558.25

Time hrs				
558.61				
558.61				
558.71				
553.35				
558.61				
549.65				
549.48				
549.34				
549.23				
549.13				
549.04				
548.96				
548.87				
548.80				
548.75				
548.72				
548.70				
558.19				

12.7000	558.13	558.08	558.04	558.01
557.97				
12.9500	557.95	557.92	557.90	557.88
557.86				
13.2000	557.84	557.82	557.81	557.79
557.77				
13.4500	557.76	557.74	557.72	557.70
557.67				
13.7000	557.65	557.62	557.59	557.56
557.52				
13.9500	557.49	557.45	557.42	557.38
557.34				
14.2000	557.30	557.25	557.21	557.17
557.12				
14.4500	557.08	557.03	556.98	556.94
556.89				
14.7000	556.84	556.79	556.74	556.69
556.64				
14.9500	556.59	556.54	556.49	556.43
556.38				
15.2000	556.33	556.27	556.22	556.16
556.11				
15.4500	556.05	555.99	555.94	555.88
555.82				
15.7000	555.76	555.70	555.64	555.58
555.52				
15.9500	555.45	555.39	555.33	555.26
555.20				
16.2000	555.13	555.07	555.00	554.93
554.87				
16.4500	554.80	554.73	554.66	554.60
554.53				
16.7000	554.46	554.39	554.32	554.25
554.19				
16.9500	554.12	554.05	553.98	553.91
553.84				
17.2000	553.77	553.70	553.63	553.56
553.49				
17.4500	553.42	553.36	553.29	553.22
553.15				
17.7000	553.08	553.01	552.94	552.87
552.80				
17.9500	552.73	552.66	552.59	552.52
552.46				
18.2000	552.39	552.32	552.25	552.18
552.12				
18.4500	552.05	551.98	551.92	551.85
551.79				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
18.7000	551.72	551.66	551.59	551.53
551.47				
18.9500	551.40	551.34	551.28	551.22
551.16				
19.2000	551.10	551.04	550.98	550.93
550.87				
19.4500	550.82	550.76	550.71	550.66
550.61				
19.7000	550.56	550.51	550.46	550.41
550.37				
19.9500	550.32	550.28	550.24	550.20
550.16				
20.2000	550.12	550.08	550.05	550.01
549.98				
20.4500	549.95	549.92	549.90	549.87
549.85				
20.7000	549.83	549.82	549.80	549.79
549.78				
20.9500	549.77	549.75	549.75	549.74
549.73				
21.2000	549.72	549.72	549.71	549.71
549.70				
21.4500	549.70	549.69	549.69	549.69
549.68				
21.7000	549.68	549.68	549.67	549.67
549.67				
21.9500	549.67	549.66	549.66	549.66
549.66				
22.2000	549.66	549.65	549.65	549.65
549.65				
22.4500	549.65	549.65	549.65	549.64
549.64				
22.7000	549.64	549.64	549.64	549.64
549.64				
22.9500	549.63	549.63	549.63	549.63
549.63				
23.2000	549.63	549.63	549.63	549.62
549.62				

23.4500	549.62	549.62	549.62	549.62
549.62				
23.7000	549.62	549.61	549.61	549.61
549.61				
23.9500	549.61	549.61	549.61	549.60
549.59				
24.2000	549.57	549.54	549.50	549.46
549.42				
24.4500	549.38	549.34	549.30	549.27
549.23				
24.7000	549.20	549.17	549.15	549.12
549.10				
24.9500	549.08	549.06	549.04	549.02
549.01				
25.2000	548.99	548.98	548.97	548.95
548.94				
25.4500	548.93	548.92	548.91	548.90
548.90				
25.7000	548.89	548.88	548.87	548.87
548.86				
25.9500	548.85	548.85	548.84	548.84
548.83				
26.2000	548.83	548.82	548.82	548.82
548.81				
26.4500	548.81	548.81	548.80	548.80
548.80				
26.7000	548.79	548.79	548.79	548.79
548.78				
26.9500	548.78	548.78	548.78	548.77
548.77				
27.2000	548.77	548.77	548.76	548.76
548.76				
27.4500	548.76	548.76	548.76	548.75
548.75				
27.7000	548.75	548.75	548.75	548.75
548.75				
27.9500	548.74	548.74	548.74	548.74
548.74				
28.2000	548.74	548.74	548.74	548.73
548.73				
28.4500	548.73	548.73	548.73	548.73
548.73				
28.7000	548.73	548.73	548.73	548.73
548.72				
28.9500	548.72	548.72	548.72	548.72
548.72				
29.2000	548.72	548.72	548.72	548.72
548.72				
29.4500	548.72	548.72	548.72	548.72
548.72				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
29.7000	548.72	548.71	548.71	548.71	548.71
29.9500	548.71	548.71	548.71	548.71	548.71
30.2000	548.71	548.71	548.71	548.71	548.71
30.4500	548.71	548.71	548.71	548.71	548.71
30.7000	548.71	548.71	548.71	548.71	548.71
30.9500	548.71	548.71	548.71	548.71	548.71

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6500	599.48	599.48	599.48	599.48
3.9000	599.48	599.48	599.48	599.48
4.1500	599.48	599.48	599.48	599.48
4.4000	599.48	599.48	599.48	599.48
4.6500	599.49	599.49	599.49	599.49
4.9000	599.49	599.49	599.49	599.49
5.1500	599.49	599.50	599.50	599.50
5.4000	599.50	599.50	599.50	599.51
5.6500	599.51	599.51	599.51	599.52
5.9000	599.52	599.52	599.52	599.53
6.1500	599.53	599.53	599.54	599.54
6.4000	599.54	599.55	599.55	599.55
6.6500	599.56	599.56	599.56	599.57
6.9000	599.57	599.57	599.58	599.58
7.1500	599.59	599.59	599.59	599.60
7.4000	599.60	599.61	599.61	599.61
7.6500	599.62	599.62	599.63	599.63
7.9000	599.64	599.64	599.64	599.65
8.1500	599.65	599.66	599.66	599.66
				599.67

8.4000	599.67	599.67	599.68	599.68
599.68				
8.6500	599.69	599.69	599.70	599.70
599.71				
8.9000	599.71	599.72	599.72	599.72
599.73				
9.1500	599.73	599.74	599.74	599.75
599.76				
9.4000	599.76	599.77	599.77	599.78
599.78				
9.6500	599.79	599.79	599.80	599.80
599.81				
9.9000	599.81	599.82	599.82	599.83
599.83				
10.1500	599.84	599.84	599.85	599.86
599.86				
10.4000	599.87	599.88	599.89	599.89
599.90				
10.6500	599.91	599.92	599.93	599.94
599.95				
10.9000	599.96	599.97	599.98	599.99
600.01				
11.1500	600.02	600.03	600.05	600.06
600.08				
11.4000	600.10	600.12	600.14	600.16
600.19				
11.6500	600.22	600.26	600.32	600.40
600.51				
11.9000	600.66	600.86	601.11	601.40
601.73				
12.1500	602.07	602.38	602.66	602.90
603.08				
12.4000	603.22	603.32	603.39	603.43
603.45				
12.6500	603.45	603.43	603.40	603.37
603.32				
12.9000	603.27	603.21	603.15	603.09
603.02				
13.1500	602.95	602.88	602.81	602.73
602.66				
13.4000	602.58	602.51	602.43	602.35
602.28				
13.6500	602.20	602.13	602.05	601.98
601.90				
13.9000	601.83	601.75	601.68	601.61
601.54				
14.1500	601.46	601.39	601.32	601.26
601.19				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
14.4000	601.12	601.05	600.99	600.93
	600.87			
14.6500	600.82	600.77	600.72	600.68
	600.64			
14.9000	600.60	600.57	600.54	600.51
	600.48			
15.1500	600.45	600.43	600.40	600.38
	600.36			
15.4000	600.34	600.32	600.31	600.29
	600.27			
15.6500	600.26	600.24	600.23	600.22
	600.21			
15.9000	600.19	600.18	600.17	600.16
	600.15			
16.1500	600.14	600.13	600.12	600.11
	600.11			
16.4000	600.10	600.09	600.08	600.08
	600.07			
16.6500	600.06	600.06	600.05	600.04
	600.04			
16.9000	600.03	600.03	600.02	600.02
	600.01			
17.1500	600.01	600.01	600.00	600.00
	599.99			
17.4000	599.99	599.99	599.98	599.98
	599.98			
17.6500	599.97	599.97	599.97	599.96
	599.96			
17.9000	599.96	599.95	599.95	599.95
	599.95			
18.1500	599.94	599.94	599.94	599.94
	599.93			
18.4000	599.93	599.93	599.93	599.92
	599.92			
18.6500	599.92	599.92	599.92	599.91
	599.91			
18.9000	599.91	599.91	599.90	599.90
	599.90			

19.1500	599.90	599.90	599.89	599.89
599.89				
19.4000	599.89	599.89	599.88	599.88
599.88				
19.6500	599.88	599.88	599.87	599.87
599.87				
19.9000	599.87	599.87	599.86	599.86
599.86				
20.1500	599.86	599.86	599.85	599.85
599.85				
20.4000	599.85	599.85	599.85	599.84
599.84				
20.6500	599.84	599.84	599.84	599.84
599.83				
20.9000	599.83	599.83	599.83	599.83
599.83				
21.1500	599.83	599.82	599.82	599.82
599.82				
21.4000	599.82	599.82	599.82	599.82
599.82				
21.6500	599.82	599.81	599.81	599.81
599.81				
21.9000	599.81	599.81	599.81	599.81
599.81				
22.1500	599.81	599.81	599.81	599.81
599.81				
22.4000	599.80	599.80	599.80	599.80
599.80				
22.6500	599.80	599.80	599.80	599.80
599.80				
22.9000	599.80	599.80	599.80	599.80
599.80				
23.1500	599.80	599.80	599.79	599.79
599.79				
23.4000	599.79	599.79	599.79	599.79
599.79				
23.6500	599.79	599.79	599.79	599.79
599.79				
23.9000	599.79	599.79	599.79	599.79
599.79				
24.1500	599.79	599.78	599.78	599.78
599.77				
24.4000	599.77	599.76	599.76	599.75
599.74				
24.6500	599.74	599.73	599.73	599.72
599.71				
24.9000	599.71	599.70	599.70	599.69
599.69				
25.1500	599.68	599.68	599.67	599.67
599.66				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
25.4000	599.66	599.66	599.65	599.65
599.64				
25.6500	599.64	599.64	599.63	599.63
599.63				
25.9000	599.62	599.62	599.62	599.61
599.61				
26.1500	599.61	599.61	599.60	599.60
599.60				
26.4000	599.60	599.60	599.59	599.59
599.59				
26.6500	599.59	599.59	599.58	599.58
599.58				
26.9000	599.58	599.58	599.57	599.57
599.57				
27.1500	599.57	599.57	599.57	599.57
599.56				
27.4000	599.56	599.56	599.56	599.56
599.56				
27.6500	599.56	599.55	599.55	599.55
599.55				
27.9000	599.55	599.55	599.55	599.55
599.54				
28.1500	599.54	599.54	599.54	599.54
599.54				
28.4000	599.54	599.54	599.54	599.54
599.53				
28.6500	599.53	599.53	599.53	599.53
599.53				
28.9000	599.53	599.53	599.53	599.53
599.53				
29.1500	599.53	599.52	599.52	599.52
599.52				
29.4000	599.52	599.52	599.52	599.52
599.52				
29.6500	599.52	599.52	599.52	599.52
599.52				
29.9000	599.51	599.51	599.51	599.51
599.51				

30.1500	599.51	599.51	599.51	599.51
599.51				
30.4000	599.51	599.51	599.51	599.51
599.51				
30.6500	599.51	599.51	599.51	599.51
599.51				
30.9000	599.50	599.50	599.50	599.50
599.50				
31.1500	599.50	599.50	599.50	599.50
599.50				
31.4000	599.50	599.50	599.50	599.50
599.50				
31.6500	599.50	599.50	599.50	599.50
599.50				
31.9000	599.50	599.50	599.50	599.50
599.50				
32.1500	599.50	599.50	599.50	599.50
599.50				
32.4000	599.49	599.49	599.49	599.49
599.49				
32.6500	599.49	599.49	599.49	599.49
599.49				
32.9000	599.49	599.49	599.49	599.49
599.49				
33.1500	599.49	599.49	599.49	599.49
599.49				
33.4000	599.49	599.49	599.49	599.49
599.49				
33.6500	599.49	599.49	599.49	599.49
599.49				
33.9000	599.49	599.49	599.49	599.49
599.49				
34.1500	599.49	599.49	599.49	599.49
599.49				
34.4000	599.49	599.49	599.49	599.49
599.49				
34.6500	599.49	599.49	599.49	599.49
599.49				
34.9000	599.49	599.49	599.49	599.49
599.49				
35.1500	599.49	599.49	599.49	599.49
599.49				
35.4000	599.49	599.49	599.49	599.49
599.48				
35.6500	599.48	599.48	599.48	599.48
599.48				
35.9000	599.48	599.48	599.48	599.48
599.48				
36.1500	599.48	599.48	599.48	599.48
599.48				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
36.4000	599.48	599.48	599.48	599.48
36.6500	599.48	599.48	599.48	599.48
36.9000	599.48	599.48	599.48	599.48
37.1500	599.48	599.48	599.48	599.48
37.4000	599.48	599.48	599.48	599.48
37.6500	599.48	599.48	599.48	599.48
37.9000	599.48	599.48	599.48	599.48
38.1500	599.48	599.48	599.48	599.48
38.4000	599.48	599.48	599.48	599.48
38.6500	599.48	599.48	599.48	599.48
38.9000	599.48	599.48	599.48	599.48
39.1500	599.48	599.48	599.48	599.48
39.4000	599.48	599.48	599.48	599.48
39.6500	599.48	599.48	599.48	599.48
39.9000	599.48	599.48	599.48	599.48
40.1500	599.48	599.48	599.48	599.48
40.4000	599.48	599.48	599.48	599.48
40.6500	599.48	599.48	599.48	599.48
40.9000	599.48	599.48	599.48	599.48

41.1500	599.48	599.48	599.48	599.48
599.48				
41.4000	599.48	599.48	599.48	599.48
599.48				
41.6500	599.48	599.48	599.48	599.48
599.48				
41.9000	599.48	599.48	599.48	599.48
599.48				
42.1500	599.48	599.48	599.48	599.48
599.48				
42.4000	599.48	599.48	599.48	599.48
599.48				
42.6500	599.48	599.48	599.48	599.48
599.48				
42.9000	599.48	599.48	599.48	599.48
599.48				
43.1500	599.48	599.48	599.48	599.48
599.48				
43.4000	599.48	599.48	599.48	599.48
599.48				
43.6500	599.48	599.48	599.48	599.48
599.48				
43.9000	599.48	599.48	599.48	599.48
599.48				
44.1500	599.48	599.48	599.48	599.48
599.48				
44.4000	599.48	599.48	599.48	599.48
599.48				
44.6500	599.48	599.48	599.48	

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.4000	599.48	599.48	599.48	599.48
599.48				
3.6500	599.48	599.48	599.48	599.48
599.48				
3.9000	599.48	599.48	599.48	599.48
599.48				
4.1500	599.48	599.48	599.48	599.48
599.49				
4.4000	599.49	599.49	599.49	599.49
599.49				
4.6500	599.49	599.49	599.49	599.49
599.50				
4.9000	599.50	599.50	599.50	599.50
599.50				
5.1500	599.51	599.51	599.51	599.51
599.51				
5.4000	599.51	599.52	599.52	599.52
599.52				
5.6500	599.53	599.53	599.53	599.53
599.54				
5.9000	599.54	599.54	599.54	599.55
599.55				
6.1500	599.55	599.56	599.56	599.56
599.56				
6.4000	599.57	599.57	599.57	599.58
599.58				
6.6500	599.58	599.59	599.59	599.59
599.60				
6.9000	599.60	599.60	599.61	599.61
599.62				
7.1500	599.62	599.62	599.63	599.63
599.63				
7.4000	599.64	599.64	599.64	599.65
599.65				
7.6500	599.65	599.66	599.66	599.66
599.67				
7.9000	599.67	599.68	599.68	599.68
599.69				

8.1500	599.69	599.69	599.70	599.70
599.70				
8.4000	599.71	599.71	599.72	599.72
599.72				
8.6500	599.73	599.73	599.74	599.74
599.75				
8.9000	599.75	599.76	599.76	599.77
599.77				
9.1500	599.78	599.78	599.79	599.79
599.80				
9.4000	599.80	599.81	599.82	599.82
599.83				
9.6500	599.83	599.84	599.84	599.85
599.85				
9.9000	599.86	599.86	599.87	599.87
599.88				
10.1500	599.89	599.89	599.90	599.91
599.91				
10.4000	599.92	599.93	599.94	599.95
599.96				
10.6500	599.97	599.97	599.98	600.00
600.01				
10.9000	600.02	600.03	600.04	600.06
600.07				
11.1500	600.08	600.10	600.12	600.13
600.15				
11.4000	600.17	600.19	600.21	600.24
600.27				
11.6500	600.30	600.35	600.41	600.50
600.62				
11.9000	600.78	601.00	601.28	601.62
601.98				
12.1500	602.36	602.71	603.02	603.28
603.49				
12.4000	603.65	603.77	603.85	603.90
603.92				
12.6500	603.93	603.92	603.90	603.86
603.82				
12.9000	603.77	603.71	603.65	603.59
603.52				
13.1500	603.45	603.37	603.30	603.22
603.15				
13.4000	603.07	602.99	602.91	602.83
602.75				
13.6500	602.67	602.59	602.51	602.43
602.36				
13.9000	602.28	602.20	602.12	602.04
601.97				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
14.1500	601.89	601.82	601.74	601.67
601.59				
14.4000	601.52	601.45	601.38	601.31
601.24				
14.6500	601.17	601.11	601.04	600.98
600.92				
14.9000	600.86	600.81	600.76	600.72
600.68				
15.1500	600.64	600.60	600.57	600.54
600.51				
15.4000	600.48	600.45	600.43	600.41
600.39				
15.6500	600.37	600.35	600.33	600.31
600.29				
15.9000	600.28	600.26	600.25	600.24
600.22				
16.1500	600.21	600.20	600.19	600.18
600.17				
16.4000	600.16	600.15	600.14	600.13
600.12				
16.6500	600.11	600.11	600.10	600.09
600.08				
16.9000	600.08	600.07	600.07	600.06
600.06				
17.1500	600.05	600.05	600.04	600.04
600.03				
17.4000	600.03	600.02	600.02	600.02
600.01				
17.6500	600.01	600.00	600.00	600.00
599.99				
17.9000	599.99	599.99	599.98	599.98
599.98				
18.1500	599.98	599.97	599.97	599.97
599.97				
18.4000	599.96	599.96	599.96	599.95
599.95				
18.6500	599.95	599.95	599.94	599.94
599.94				

18.9000	599.94	599.94	599.93	599.93
599.93				
19.1500	599.93	599.92	599.92	599.92
599.92				
19.4000	599.91	599.91	599.91	599.91
599.91				
19.6500	599.90	599.90	599.90	599.90
599.90				
19.9000	599.89	599.89	599.89	599.89
599.88				
20.1500	599.88	599.88	599.88	599.88
599.87				
20.4000	599.87	599.87	599.87	599.87
599.87				
20.6500	599.86	599.86	599.86	599.86
599.86				
20.9000	599.86	599.85	599.85	599.85
599.85				
21.1500	599.85	599.85	599.85	599.85
599.84				
21.4000	599.84	599.84	599.84	599.84
599.84				
21.6500	599.84	599.84	599.84	599.84
599.83				
21.9000	599.83	599.83	599.83	599.83
599.83				
22.1500	599.83	599.83	599.83	599.83
599.83				
22.4000	599.83	599.83	599.82	599.82
599.82				
22.6500	599.82	599.82	599.82	599.82
599.82				
22.9000	599.82	599.82	599.82	599.82
599.82				
23.1500	599.82	599.82	599.82	599.81
599.81				
23.4000	599.81	599.81	599.81	599.81
599.81				
23.6500	599.81	599.81	599.81	599.81
599.81				
23.9000	599.81	599.81	599.81	599.81
599.81				
24.1500	599.80	599.80	599.80	599.80
599.79				
24.4000	599.79	599.78	599.77	599.77
599.76				
24.6500	599.75	599.75	599.74	599.73
599.73				
24.9000	599.72	599.72	599.71	599.70
599.70				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
25.1500	599.69	599.69	599.68	599.68
599.67				
25.4000	599.67	599.66	599.66	599.66
599.65				
25.6500	599.65	599.64	599.64	599.64
599.63				
25.9000	599.63	599.63	599.62	599.62
599.62				
26.1500	599.62	599.61	599.61	599.61
599.60				
26.4000	599.60	599.60	599.60	599.60
599.59				
26.6500	599.59	599.59	599.59	599.59
599.58				
26.9000	599.58	599.58	599.58	599.58
599.57				
27.1500	599.57	599.57	599.57	599.57
599.57				
27.4000	599.57	599.56	599.56	599.56
599.56				
27.6500	599.56	599.56	599.56	599.55
599.55				
27.9000	599.55	599.55	599.55	599.55
599.55				
28.1500	599.55	599.54	599.54	599.54
599.54				
28.4000	599.54	599.54	599.54	599.54
599.54				
28.6500	599.54	599.53	599.53	599.53
599.53				
28.9000	599.53	599.53	599.53	599.53
599.53				
29.1500	599.53	599.53	599.53	599.52
599.52				
29.4000	599.52	599.52	599.52	599.52
599.52				
29.6500	599.52	599.52	599.52	599.52
599.52				

29.9000	599.52	599.52	599.51	599.51
599.51				
30.1500	599.51	599.51	599.51	599.51
599.51				
30.4000	599.51	599.51	599.51	599.51
599.51				
30.6500	599.51	599.51	599.51	599.51
599.51				
30.9000	599.51	599.51	599.50	599.50
599.50				
31.1500	599.50	599.50	599.50	599.50
599.50				
31.4000	599.50	599.50	599.50	599.50
599.50				
31.6500	599.50	599.50	599.50	599.50
599.50				
31.9000	599.50	599.50	599.50	599.50
599.50				
32.1500	599.50	599.50	599.50	599.50
599.50				
32.4000	599.50	599.50	599.49	599.49
599.49				
32.6500	599.49	599.49	599.49	599.49
599.49				
32.9000	599.49	599.49	599.49	599.49
599.49				
33.1500	599.49	599.49	599.49	599.49
599.49				
33.4000	599.49	599.49	599.49	599.49
599.49				
33.6500	599.49	599.49	599.49	599.49
599.49				
33.9000	599.49	599.49	599.49	599.49
599.49				
34.1500	599.49	599.49	599.49	599.49
599.49				
34.4000	599.49	599.49	599.49	599.49
599.49				
34.6500	599.49	599.49	599.49	599.49
599.49				
34.9000	599.49	599.49	599.49	599.49
599.49				
35.1500	599.49	599.49	599.49	599.49
599.49				
35.4000	599.49	599.49	599.49	599.49
599.49				
35.6500	599.49	599.48	599.48	599.48
599.48				
35.9000	599.48	599.48	599.48	599.48
599.48				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
36.1500	599.48	599.48	599.48	599.48	599.48
36.4000	599.48	599.48	599.48	599.48	599.48
36.6500	599.48	599.48	599.48	599.48	599.48
36.9000	599.48	599.48	599.48	599.48	599.48
37.1500	599.48	599.48	599.48	599.48	599.48
37.4000	599.48	599.48	599.48	599.48	599.48
37.6500	599.48	599.48	599.48	599.48	599.48
37.9000	599.48	599.48	599.48	599.48	599.48
38.1500	599.48	599.48	599.48	599.48	599.48
38.4000	599.48	599.48	599.48	599.48	599.48
38.6500	599.48	599.48	599.48	599.48	599.48
38.9000	599.48	599.48	599.48	599.48	599.48
39.1500	599.48	599.48	599.48	599.48	599.48
39.4000	599.48	599.48	599.48	599.48	599.48
39.6500	599.48	599.48	599.48	599.48	599.48
39.9000	599.48	599.48	599.48	599.48	599.48
40.1500	599.48	599.48	599.48	599.48	599.48
40.4000	599.48	599.48	599.48	599.48	599.48
40.6500	599.48	599.48	599.48	599.48	599.48

40.9000	599.48	599.48	599.48	599.48
599.48				
41.1500	599.48	599.48	599.48	599.48
599.48				
41.4000	599.48	599.48	599.48	599.48
599.48				
41.6500	599.48	599.48	599.48	599.48
599.48				
41.9000	599.48	599.48	599.48	599.48
599.48				
42.1500	599.48	599.48	599.48	599.48
599.48				
42.4000	599.48	599.48	599.48	599.48
599.48				
42.6500	599.48	599.48	599.48	599.48
599.48				
42.9000	599.48	599.48	599.48	599.48
599.48				
43.1500	599.48	599.48	599.48	599.48
599.48				
43.4000	599.48	599.48	599.48	599.48
599.48				
43.6500	599.48	599.48	599.48	599.48
599.48				
43.9000	599.48	599.48	599.48	599.48
599.48				
44.1500	599.48	599.48	599.48	599.48
599.48				
44.4000	599.48	599.48	599.48	599.48
599.48				
44.6500	599.48	599.48	599.48	599.48
599.48				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
2.8000	599.48	599.48	599.48	599.48
599.48				
3.0500	599.48	599.48	599.48	599.48
599.48				
3.3000	599.48	599.48	599.48	599.48
599.48				
3.5500	599.48	599.48	599.49	599.49
599.49				
3.8000	599.49	599.49	599.49	599.49
599.49				
4.0500	599.49	599.50	599.50	599.50
599.50				
4.3000	599.50	599.50	599.51	599.51
599.51				
4.5500	599.51	599.51	599.52	599.52
599.52				
4.8000	599.52	599.53	599.53	599.53
599.54				
5.0500	599.54	599.54	599.54	599.55
599.55				
5.3000	599.55	599.56	599.56	599.56
599.57				
5.5500	599.57	599.58	599.58	599.58
599.59				
5.8000	599.59	599.59	599.60	599.60
599.61				
6.0500	599.61	599.61	599.62	599.62
599.63				
6.3000	599.63	599.63	599.64	599.64
599.65				
6.5500	599.65	599.66	599.66	599.66
599.67				
6.8000	599.67	599.68	599.68	599.68
599.69				
7.0500	599.69	599.70	599.70	599.71
599.71				
7.3000	599.71	599.72	599.72	599.73
599.73				

7.5500	599.73	599.74	599.74	599.75
599.75				
7.8000	599.75	599.76	599.76	599.77
599.77				
8.0500	599.77	599.78	599.78	599.78
599.79				
8.3000	599.79	599.80	599.80	599.81
599.81				
8.5500	599.81	599.82	599.82	599.83
599.83				
8.8000	599.84	599.84	599.85	599.86
599.86				
9.0500	599.87	599.87	599.88	599.89
599.89				
9.3000	599.90	599.91	599.91	599.92
599.93				
9.5500	599.93	599.94	599.94	599.95
599.96				
9.8000	599.96	599.97	599.97	599.98
599.99				
10.0500	599.99	600.00	600.01	600.01
600.02				
10.3000	600.03	600.04	600.05	600.06
600.07				
10.5500	600.08	600.09	600.10	600.11
600.12				
10.8000	600.13	600.15	600.16	600.18
600.19				
11.0500	600.21	600.22	600.24	600.26
600.28				
11.3000	600.30	600.32	600.34	600.37
600.40				
11.5500	600.43	600.46	600.50	600.56
600.63				
11.8000	600.74	600.89	601.10	601.38
601.74				
12.0500	602.16	602.63	603.10	603.55
603.95				
12.3000	604.28	604.55	604.75	604.91
605.02				
12.5500	605.10	605.14	605.16	605.17
605.16				
12.8000	605.13	605.09	605.05	604.99
604.94				
13.0500	604.87	604.80	604.73	604.66
604.58				
13.3000	604.50	604.42	604.34	604.26
604.17				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
13.5500	604.09	604.00	603.92	603.83 603.75
13.8000	603.66	603.57	603.48	603.40 603.31
14.0500	603.22	603.14	603.05	602.97 602.88
14.3000	602.79	602.71	602.63	602.54 602.46
14.5500	602.38	602.30	602.22	602.14 602.06
14.8000	601.98	601.91	601.83	601.76 601.68
15.0500	601.61	601.54	601.47	601.40 601.33
15.3000	601.27	601.20	601.14	601.07 601.01
15.5500	600.95	600.89	600.84	600.79 600.74
15.8000	600.70	600.66	600.63	600.59 600.56
16.0500	600.53	600.50	600.48	600.45 600.43
16.3000	600.41	600.38	600.36	600.35 600.33
16.5500	600.31	600.30	600.28	600.27 600.26
16.8000	600.24	600.23	600.22	600.21 600.20
17.0500	600.19	600.18	600.17	600.17 600.16
17.3000	600.15	600.14	600.14	600.13 600.12
17.5500	600.12	600.11	600.11	600.10 600.10
17.8000	600.09	600.09	600.08	600.08 600.07
18.0500	600.07	600.06	600.06	600.06 600.05

18.3000	600.05	600.05	600.04	600.04
600.03				
18.5500	600.03	600.03	600.03	600.02
600.02				
18.8000	600.02	600.01	600.01	600.01
600.00				
19.0500	600.00	600.00	600.00	599.99
599.99				
19.3000	599.99	599.98	599.98	599.98
599.98				
19.5500	599.97	599.97	599.97	599.97
599.96				
19.8000	599.96	599.96	599.96	599.95
599.95				
20.0500	599.95	599.95	599.94	599.94
599.94				
20.3000	599.94	599.93	599.93	599.93
599.93				
20.5500	599.92	599.92	599.92	599.92
599.92				
20.8000	599.91	599.91	599.91	599.91
599.91				
21.0500	599.91	599.91	599.90	599.90
599.90				
21.3000	599.90	599.90	599.90	599.90
599.90				
21.5500	599.89	599.89	599.89	599.89
599.89				
21.8000	599.89	599.89	599.89	599.89
599.89				
22.0500	599.88	599.88	599.88	599.88
599.88				
22.3000	599.88	599.88	599.88	599.88
599.88				
22.5500	599.88	599.88	599.88	599.87
599.87				
22.8000	599.87	599.87	599.87	599.87
599.87				
23.0500	599.87	599.87	599.87	599.87
599.87				
23.3000	599.87	599.87	599.87	599.86
599.86				
23.5500	599.86	599.86	599.86	599.86
599.86				
23.8000	599.86	599.86	599.86	599.86
599.86				
24.0500	599.86	599.86	599.85	599.85
599.85				
24.3000	599.84	599.84	599.83	599.82
599.82				

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
24.5500	599.81	599.80	599.79	599.78
599.78				
24.8000	599.77	599.76	599.75	599.75
599.74				
25.0500	599.73	599.73	599.72	599.71
599.71				
25.3000	599.70	599.70	599.69	599.69
599.68				
25.5500	599.68	599.67	599.67	599.66
599.66				
25.8000	599.65	599.65	599.65	599.64
599.64				
26.0500	599.64	599.63	599.63	599.63
599.62				
26.3000	599.62	599.62	599.61	599.61
599.61				
26.5500	599.61	599.60	599.60	599.60
599.60				
26.8000	599.59	599.59	599.59	599.59
599.59				
27.0500	599.58	599.58	599.58	599.58
599.58				
27.3000	599.58	599.57	599.57	599.57
599.57				
27.5500	599.57	599.57	599.56	599.56
599.56				
27.8000	599.56	599.56	599.56	599.56
599.56				
28.0500	599.55	599.55	599.55	599.55
599.55				
28.3000	599.55	599.55	599.55	599.54
599.54				
28.5500	599.54	599.54	599.54	599.54
599.54				
28.8000	599.54	599.54	599.54	599.53
599.53				
29.0500	599.53	599.53	599.53	599.53
599.53				

29.3000	599.53	599.53	599.53	599.53
599.52				
29.5500	599.52	599.52	599.52	599.52
599.52				
29.8000	599.52	599.52	599.52	599.52
599.52				
30.0500	599.52	599.52	599.52	599.52
599.51				
30.3000	599.51	599.51	599.51	599.51
599.51				
30.5500	599.51	599.51	599.51	599.51
599.51				
30.8000	599.51	599.51	599.51	599.51
599.51				
31.0500	599.51	599.51	599.51	599.51
599.50				
31.3000	599.50	599.50	599.50	599.50
599.50				
31.5500	599.50	599.50	599.50	599.50
599.50				
31.8000	599.50	599.50	599.50	599.50
599.50				
32.0500	599.50	599.50	599.50	599.50
599.50				
32.3000	599.50	599.50	599.50	599.50
599.50				
32.5500	599.50	599.50	599.50	599.49
599.49				
32.8000	599.49	599.49	599.49	599.49
599.49				
33.0500	599.49	599.49	599.49	599.49
599.49				
33.3000	599.49	599.49	599.49	599.49
599.49				
33.5500	599.49	599.49	599.49	599.49
599.49				
33.8000	599.49	599.49	599.49	599.49
599.49				
34.0500	599.49	599.49	599.49	599.49
599.49				
34.3000	599.49	599.49	599.49	599.49
599.49				
34.5500	599.49	599.49	599.49	599.49
599.49				
34.8000	599.49	599.49	599.49	599.49
599.49				
35.0500	599.49	599.49	599.49	599.49
599.49				
35.3000	599.49	599.49	599.49	599.49
599.49				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. ELEVATION (ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
35.5500	599.49	599.49	599.49	599.49
599.49				
35.8000	599.49	599.49	599.48	599.48
599.48				
36.0500	599.48	599.48	599.48	599.48
599.48				
36.3000	599.48	599.48	599.48	599.48
599.48				
36.5500	599.48	599.48	599.48	599.48
599.48				
36.8000	599.48	599.48	599.48	599.48
599.48				
37.0500	599.48	599.48	599.48	599.48
599.48				
37.3000	599.48	599.48	599.48	599.48
599.48				
37.5500	599.48	599.48	599.48	599.48
599.48				
37.8000	599.48	599.48	599.48	599.48
599.48				
38.0500	599.48	599.48	599.48	599.48
599.48				
38.3000	599.48	599.48	599.48	599.48
599.48				
38.5500	599.48	599.48	599.48	599.48
599.48				
38.8000	599.48	599.48	599.48	599.48
599.48				
39.0500	599.48	599.48	599.48	599.48
599.48				
39.3000	599.48	599.48	599.48	599.48
599.48				
39.5500	599.48	599.48	599.48	599.48
599.48				
39.8000	599.48	599.48	599.48	599.48
599.48				
40.0500	599.48	599.48	599.48	599.48
599.48				

40.3000	599.48	599.48	599.48	599.48	599.48
40.5500	599.48	599.48	599.48	599.48	599.48
40.8000	599.48	599.48	599.48	599.48	599.48
41.0500	599.48	599.48	599.48	599.48	599.48
41.3000	599.48	599.48	599.48	599.48	599.48
41.5500	599.48	599.48	599.48	599.48	599.48
41.8000	599.48	599.48	599.48	599.48	599.48
42.0500	599.48	599.48	599.48	599.48	599.48
42.3000	599.48	599.48	599.48	599.48	599.48
42.5500	599.48	599.48	599.48	599.48	599.48
42.8000	599.48	599.48	599.48	599.48	599.48
43.0500	599.48	599.48	599.48	599.48	599.48
43.3000	599.48	599.48	599.48	599.48	599.48
43.5500	599.48	599.48	599.48	599.48	599.48
43.8000	599.48	599.48	599.48	599.48	599.48
44.0500	599.48	599.48	599.48	599.48	599.48
44.3000	599.48	599.48	599.48	599.48	599.48
44.5500	599.48	599.48	599.48	599.48	599.48
44.8000	599.48	599.48	599.48	599.48	599.48
45.0500	599.48	599.48			

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
6.6500	0	0	0	0	0
6.9000	0	0	0	0	0
7.1500	0	0	0	0	0
7.4000	0	0	0	0	0
7.6500	0	0	0	0	0
7.9000	0	0	0	0	0
8.1500	0	0	0	0	0
8.4000	0	1	1	1	1
8.6500	1	1	1	1	1
8.9000	1	1	1	1	1
9.1500	1	1	1	1	1
9.4000	1	1	1	1	1
9.6500	1	1	1	1	1
9.9000	1	1	1	1	2
10.1500	2	2	2	2	2
10.4000	3	3	4	4	5
10.6500	6	7	8	9	11
10.9000	13	15	18	21	25
11.1500	29	35	41	49	60

11.4000	72	87	106	131	175
11.6500	267	476	964	1565	2693
11.9000	4929	8705	14252	21323	29193
12.1500	36881	43436	48250	51185	52419
12.4000	52283	51135	49251	46821	43986
12.6500	40862	37541	34104	30617	27141
12.9000	23719	20390	17184	14124	11230
13.1500	8521	6017	3781	1918	520
13.4000	188	174	162	150	139
13.6500	129	120	112	104	97
13.9000	91	85	79	74	70
14.1500	65	61	58	55	52
14.4000	50	48	46	45	43
14.6500	42	41	39	38	37
14.9000	36	35	34	33	31
15.1500	30	29	28	27	26
15.4000	25	25	24	23	22
15.6500	21	20	20	19	18
15.9000	17	16	16	15	14
16.1500	14	13	13	12	12
16.4000	11	11	11	11	10
16.6500	10	10	10	10	9
16.9000	9	9	9	9	9
17.1500	8	8	8	8	8

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
17.4000	8	7	7	7
17.6500	7	7	6	6
17.9000	6	6	6	6
18.1500	5	5	5	5
18.4000	5	5	5	4
18.6500	4	4	4	4
18.9000	4	4	4	3
19.1500	3	3	3	3
19.4000	3	3	3	3
19.6500	3	3	2	2
19.9000	2	2	2	2
20.1500	2	2	2	2
20.4000	2	2	2	2
20.6500	2	2	2	2
20.9000	2	2	2	2
21.1500	2	2	2	2
21.4000	2	2	2	2
21.6500	2	2	2	2
21.9000	2	2	2	2

22.1500	2	2	2	2
2				
22.4000	2	2	2	2
2				
22.6500	2	2	2	2
2				
22.9000	2	2	2	2
2				
23.1500	2	1	1	1
1				
23.4000	1	1	1	1
1				
23.6500	1	1	1	1
1				
23.9000	1	1	1	1
1				
24.1500	1	1	1	1
1				
24.4000	0	0	0	0
0				
24.6500	0	0	0	0
0				
24.9000	0	0	0	0
0				
25.1500	0			

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
6.2500	0	0	0	0
6.5000	0	0	0	0
6.7500	0	0	0	0
7.0000	0	0	0	0
7.2500	0	0	0	0
7.5000	0	0	0	0
7.7500	0	0	0	0
8.0000	1	1	1	1
8.2500	1	1	1	1
8.5000	1	1	1	1
8.7500	1	1	1	1
9.0000	1	1	1	1
9.2500	1	1	1	1
9.5000	1	1	1	1
9.7500	2	2	2	2
10.0000	2	2	3	3
10.2500	4	4	5	6
10.5000	8	9	10	12
10.7500	16	19	22	25

11.0000	34	39	45	52
60				
11.2500	71	84	100	120
144				
11.5000	173	211	277	416
728				
11.7500	1306	2056	3633	6541
11247				
12.0000	17986	26467	35855	45044
52946				
12.2500	58871	62659	64502	64776
63881				
12.5000	62126	59725	56830	53573
50054				
12.7500	46363	42573	38747	34934
31175				
13.0000	27502	23937	20504	17225
14117				
13.2500	11201	8491	6001	3788
1948				
13.5000	566	204	190	177
165				
13.7500	153	143	133	125
117				
14.0000	110	103	96	90
84				
14.2500	80	76	72	69
67				
14.5000	64	62	60	58
57				
14.7500	55	53	52	50
49				
15.0000	47	46	44	43
41				
15.2500	40	39	38	36
35				
15.5000	34	32	31	30
29				
15.7500	28	27	26	25
24				
16.0000	23	22	21	20
19				
16.2500	18	18	17	17
16				
16.5000	16	16	15	15
15				
16.7500	14	14	14	13
13				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
17.0000	13	13	12	12
17.2500	12	11	11	11
17.5000	11	10	10	10
17.7500	9	9	9	9
18.0000	9	8	8	8
18.2500	8	7	7	7
18.5000	7	7	6	6
18.7500	6	6	6	5
19.0000	5	5	5	5
19.2500	5	4	4	4
19.5000	4	4	4	4
19.7500	3	3	3	3
20.0000	3	3	3	3
20.2500	3	3	3	3
20.5000	2	2	2	2
20.7500	2	2	2	2
21.0000	2	2	2	2
21.2500	2	2	2	2
21.5000	2	2	2	2

21.7500	2	2	2	2
22.0000	2	2	2	2
22.2500	2	2	2	2
22.5000	2	2	2	2
22.7500	2	2	2	2
23.0000	2	2	2	2
23.2500	2	2	2	2
23.5000	2	2	2	2
23.7500	2	2	2	2
24.0000	2	2	2	1
24.2500	1	1	1	0
24.5000	0	0	0	0
24.7500	0	0	0	0
25.0000	0	0	0	0

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
5.3500	0	0	0	0
5.6000	0	0	0	0
5.8500	0	0	0	0
6.1000	0	0	0	0
6.3500	0	0	0	0
6.6000	0	0	0	0
6.8500	1	1	1	1
7.1000	1	1	1	1
7.3500	1	1	1	1
7.6000	1	1	1	1
7.8500	1	1	1	1
8.1000	1	1	1	1
8.3500	1	1	1	1
8.6000	1	1	1	2
8.8500	2	2	2	2
9.1000	3	3	3	3
9.3500	4	4	5	5
9.6000	5	6	6	6
9.8500	8	8	9	10

10.1000	13	15	16	19	21
10.3500	23	26	29	33	37
10.6000	41	46	52	58	66
10.8500	74	84	95	108	121
11.1000	137	156	178	205	238
11.3500	278	327	384	452	544
11.6000	699	1022	1429	2220	3828
11.8500	6730	11515	18743	28688	40959
12.1000	54457	67710	79097	85538	86573
12.3500	85287	83416	81521	79688	77763
12.6000	75418	72531	69229	65623	61807
12.8500	57858	53834	49784	45746	41747
13.1000	37811	33959	30217	26603	23136
13.3500	19831	16699	13749	10993	8438
13.6000	6088	3995	2230	941	277
13.8500	259	243	228	214	201
14.1000	188	177	167	158	150
14.3500	143	137	132	128	124
14.6000	120	116	113	110	107
14.8500	103	100	97	94	92
15.1000	89	86	83	81	78
15.3500	76	73	71	69	67
15.6000	64	62	60	57	55
15.8500	53	51	49	47	45

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
16.1000	44	42	40	39
16.3500	37	36	35	34
16.6000	33	32	32	31
16.8500	30	29	29	28
17.1000	27	27	26	26
17.3500	25	24	24	24
17.6000	23	22	22	21
17.8500	21	20	20	19
18.1000	19	18	18	17
18.3500	17	16	16	15
18.6000	15	14	14	14
18.8500	13	13	12	12
19.1000	11	11	11	10
19.3500	10	10	9	9
19.6000	9	8	8	8
19.8500	7	7	7	7
20.1000	6	6	6	6
20.3500	6	5	5	5
20.6000	5	5	5	5

20.8500	5	5	5	5
5				
21.1000	5	5	5	5
5				
21.3500	5	5	5	5
5				
21.6000	5	5	4	4
4				
21.8500	4	4	4	4
4				
22.1000	4	4	4	4
4				
22.3500	4	4	4	4
4				
22.6000	4	4	4	4
4				
22.8500	4	4	4	4
4				
23.1000	4	4	4	4
4				
23.3500	4	4	4	4
3				
23.6000	3	3	3	3
3				
23.8500	3	3	3	3
3				
24.1000	3	2	2	1
1				
24.3500	1	1	0	0
0				
24.6000	0	0	0	0
0				
24.8500	0	0	0	0
0				
25.1000	0	0		

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs

Time hrs	Time on left represents time for first value in each row.			
.0000	0	0	0	0
.2500	0	0	0	0
.5000	0	0	0	0
.7500	0	0	0	0
1.0000	0	0	0	0
1.2500	0	0	0	0
1.5000	0	0	0	0
1.7500	0	0	0	0
2.0000	0	0	0	0
2.2500	0	0	0	0
2.5000	0	0	0	0
2.7500	0	0	0	0
3.0000	0	0	0	0
3.2500	0	0	0	0
3.5000	0	0	0	0
3.7500	0	0	0	0
4.0000	0	0	0	0
4.2500	0	0	0	0
4.5000	0	0	0	0

4.7500	0	0	0	0
0				
5.0000	0	0	0	0
0				
5.2500	0	0	0	0
0				
5.5000	0	0	0	0
0				
5.7500	0	0	0	0
0				
6.0000	0	0	0	0
0				
6.2500	0	0	0	0
0				
6.5000	0	0	0	0
0				
6.7500	0	0	0	0
0				
7.0000	0	0	0	0
0				
7.2500	0	0	0	0
0				
7.5000	0	0	0	0
0				
7.7500	0	0	0	0
0				
8.0000	0	0	0	0
0				
8.2500	0	0	0	0
0				
8.5000	0	0	0	0
0				
8.7500	1	3	6	12
22				
9.0000	37	58	85	118
158				
9.2500	203	251	302	356
401				
9.5000	438	471	503	533
563				
9.7500	591	618	646	674
703				
10.0000	733	767	804	845
888				
10.2500	934	966	994	1022
1049				
10.5000	1077	1106	1137	1170
1205				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
10.7500	1243	1283	1332	1395	1437
11.0000	1476	1525	1587	1657	1719
11.2500	1778	1840	1966	2175	2455
11.5000	2800	3228	3780	4559	5696
11.7500	7445	10069	13848	19214	26646
12.0000	37889	52551	70189	89824	109505
12.2500	126759	140307	149818	155727	158644
12.5000	159214	157997	155405	151739	147248
12.7500	142131	136525	130553	124331	117924
13.0000	111357	104710	97997	91254	84705
13.2500	78410	72314	66407	60706	55223
13.5000	49944	44873	40012	35346	30865
13.7500	26949	23777	21019	18845	16844
14.0000	15223	13977	12924	11981	11194
14.2500	10513	9927	9399	8930	8514
14.5000	8153	7836	7556	7308	7081
14.7500	6873	6682	6505	6341	6187
15.0000	6042	5904	5781	5668	5563
15.2500	5464	5370	5279	5190	5097

15.5000	5002	4906	4809	4710	4611
15.7500	4511	4412	4311	4210	4109
16.0000	4006	3904	3802	3699	3599
16.2500	3499	3403	3310	3222	3137
16.5000	3056	2979	2906	2837	2772
16.7500	2709	2650	2593	2538	2486
17.0000	2435	2386	2338	2292	2246
17.2500	2202	2158	2115	2072	2031
17.5000	1989	1947	1906	1866	1850
17.7500	1839	1830	1823	1817	1811
18.0000	1806	1800	1795	1790	1785
18.2500	1780	1775	1769	1764	1759
18.5000	1754	1749	1743	1738	1733
18.7500	1728	1723	1717	1712	1707
19.0000	1702	1696	1691	1686	1681
19.2500	1673	1665	1657	1648	1639
19.5000	1629	1620	1611	1602	1592
19.7500	1583	1573	1564	1554	1545
20.0000	1535	1526	1517	1508	1499
20.2500	1491	1486	1482	1479	1476
20.5000	1474	1472	1470	1469	1467
20.7500	1466	1465	1464	1463	1462
21.0000	1461	1460	1459	1458	1457
21.2500	1456	1455	1454	1453	1452
21.5000	1451	1450	1449	1449	1448

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
21.7500	1447	1446	1445	1444
	1443			
22.0000	1442	1441	1440	1439
	1438			
22.2500	1438	1437	1436	1435
	1434			
22.5000	1433	1432	1431	1430
	1429			
22.7500	1428	1427	1426	1426
	1425			
23.0000	1424	1423	1422	1421
	1420			
23.2500	1419	1418	1417	1416
	1415			
23.5000	1414	1413	1412	1411
	1411			
23.7500	1410	1409	1408	1407
	1406			
24.0000	1404	1402	1390	1361
	1307			
24.2500	1245	1171	1092	1015
	944			
24.5000	853	760	680	611
	553			
24.7500	501	458	424	397
	376			
25.0000	352	329	308	288
	269			
25.2500	252	236	222	209
	198			
25.5000	188	178	168	160
	151			
25.7500	143	136	128	122
	115			
26.0000	109	103	98	93
	88			
26.2500	83	79	74	70
	67			

26.5000	63	60	57	53
51				
26.7500	48	45	43	41
38				
27.0000	36	34	33	31
29				
27.2500	28	26	25	23
22				
27.5000	21	20	19	18
17				
27.7500	16	15	14	14
13				
28.0000	12	12	11	10
10				
28.2500	9	9	8	8
7				
28.5000	7	7	6	6
6				
28.7500	5	5	5	5
4				
29.0000	4	4	4	3
3				
29.2500	3	3	3	3
3				
29.5000	3	2	2	2
2				
29.7500	2	2	2	2
1				
30.0000	1	1	1	1
1				
30.2500	1	1	1	1
1				
30.5000	1	1	1	1
1				
30.7500	1	1	1	1
1				
31.0000	1	1	1	1
1				
31.2500	1	1	1	1
1				
31.5000	1	1	1	1
1				
31.7500	1	1	1	1
1				
32.0000	1	1	1	1
1				
32.2500	1	1	1	1
1				
32.5000	1	1	1	1
1				

TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
32.7500	1	1	1	1
33.0000	1	1	1	1
33.2500	1	1	1	1
33.5000	1	1	1	1
33.7500	1	1	1	1
34.0000	1	1	1	1
34.2500	1	1	1	1
34.5000	1	1	1	1
34.7500	1	1	1	1
35.0000	1			

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	0	0	0	0
.2500	0	0	0	0
.5000	0	0	0	0
.7500	0	0	0	0
1.0000	0	0	0	0
1.2500	0	0	0	0
1.5000	0	0	0	0
1.7500	0	0	0	0
2.0000	0	0	0	0
2.2500	0	0	0	0
2.5000	0	0	0	0
2.7500	0	0	0	0
3.0000	0	0	0	0
3.2500	0	0	0	0
3.5000	0	0	0	0
3.7500	0	0	0	0
4.0000	0	0	0	0
4.2500	0	0	0	0
4.5000	0	0	0	0

4.7500	0	0	0	0
0				
5.0000	0	0	0	0
0				
5.2500	0	0	0	0
0				
5.5000	0	0	0	0
0				
5.7500	0	0	0	0
0				
6.0000	0	0	0	0
0				
6.2500	0	0	0	0
0				
6.5000	0	0	0	0
0				
6.7500	0	0	0	0
0				
7.0000	0	0	0	0
0				
7.2500	0	0	0	0
0				
7.5000	0	0	0	0
0				
7.7500	0	0	0	0
0				
8.0000	0	0	0	0
0				
8.2500	0	1	3	6
12				
8.5000	21	35	54	78
109				
8.7500	145	188	233	282
334				
9.0000	386	426	461	497
531				
9.2500	565	596	626	656
684				
9.5000	712	740	768	799
830				
9.7500	863	898	934	959
981				
10.0000	1003	1025	1047	1069
1093				
10.2500	1118	1146	1175	1206
1240				
10.5500	1275	1313	1365	1413
1448				

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
10.7500	1480	1523	1578	1640	1701
11.0000	1751	1801	1853	1963	2134
11.2500	2359	2641	2982	3382	3838
11.5000	4355	4952	5650	6599	7990
11.7500	10091	13156	17549	23806	33250
12.0000	47308	65444	87872	112650	136580
12.2500	157278	173451	184829	192042	195836
12.5000	196899	195857	193152	189124	184194
12.7500	178577	172465	165982	159248	152352
13.0000	145369	138331	131254	124179	117111
13.2500	110024	102950	95897	88908	82314
13.5000	76008	69942	64099	58484	53094
13.7500	47911	42944	38186	33624	29245
14.0000	25719	22763	20200	18191	16239
14.2500	14839	13705	12743	11885	11183
14.5000	10584	10073	9625	9227	8875
14.7500	8562	8288	8045	7828	7631
15.0000	7452	7288	7132	6983	6841
15.2500	6703	6570	6441	6314	6191

15.5000	6070	5950	5836	5730
5627				
15.7500	5528	5433	5339	5248
5151				
16.0000	5050	4946	4841	4733
4626				
16.2500	4520	4416	4315	4218
4126				
16.5000	4038	3956	3878	3804
3734				
16.7500	3668	3605	3544	3486
3431				
17.0000	3377	3325	3274	3225
3177				
17.2500	3129	3081	3034	2987
2940				
17.5000	2894	2849	2803	2757
2711				
17.7500	2666	2621	2576	2531
2486				
18.0000	2440	2395	2350	2305
2260				
18.2500	2214	2169	2123	2077
2032				
18.5000	1986	1941	1895	1860
1844				
18.7500	1832	1822	1815	1808
1801				
19.0000	1795	1789	1783	1777
1771				
19.2500	1765	1759	1753	1747
1741				
19.5000	1735	1729	1723	1717
1711				
19.7500	1705	1699	1693	1687
1681				
20.0000	1673	1663	1654	1644
1634				
20.2500	1625	1616	1608	1601
1595				
20.5000	1590	1585	1580	1577
1574				
20.7500	1570	1568	1565	1563
1560				
21.0000	1558	1556	1554	1552
1549				
21.2500	1547	1545	1543	1541
1539				
21.5000	1537	1535	1533	1531
1529				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
21.7500	1527	1525	1523	1521 1519
22.0000	1517	1515	1513	1511 1509
22.2500	1507	1505	1503	1501 1499
22.5000	1497	1495	1493	1492 1491
22.7500	1490	1489	1487	1486 1485
23.0000	1484	1483	1482	1481 1480
23.2500	1479	1478	1477	1476 1475
23.5000	1474	1473	1471	1470 1469
23.7500	1468	1467	1466	1465 1464
24.0000	1462	1459	1451	1434 1404
24.2500	1328	1241	1151	1063 982
24.5000	900	804	716	641 578
24.7500	523	476	438	408 384
25.0000	362	339	316	296 276
25.2500	259	242	228	214 202
25.5000	192	182	172	163 154
25.7500	146	138	131	124 117
26.0000	111	105	100	94 89
26.2500	85	80	76	72 68

26.5000	64	61	57	54
51				
26.7500	49	46	43	41
39				
27.0000	37	35	33	31
30				
27.2500	28	27	25	24
23				
27.5000	21	20	19	18
17				
27.7500	16	15	14	14
13				
28.0000	12	12	11	10
10				
28.2500	9	9	8	8
8				
28.5000	7	7	6	6
6				
28.7500	5	5	5	5
4				
29.0000	4	4	4	3
3				
29.2500	3	3	3	3
3				
29.5000	3	2	2	2
2				
29.7500	2	2	2	2
1				
30.0000	1	1	1	1
1				
30.2500	1	1	1	1
1				
30.5000	1	1	1	1
1				
30.7500	1	1	1	1
1				
31.0000	1	1	1	1
1				
31.2500	1	1	1	1
1				
31.5000	1	1	1	1
1				
31.7500	1	1	1	1
1				
32.0000	1	1	1	1
1				
32.2500	1	1	1	1
1				
32.5000	1	1	1	1
1				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
32.7500	1	1	1	1	1
33.0000	1	1	1	1	1
33.2500	1	1	1	1	1
33.5000	1	1	1	1	1
33.7500	1	1	1	1	1
34.0000	1	1	1	1	1
34.2500	1	1	1	1	1
34.5000	1	1	1	1	1
34.7500	1	1	1	1	1
35.0000	1				

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
.0000	0	0	0	0
.2500	0	0	0	0
.5000	0	0	0	0
.7500	0	0	0	0
1.0000	0	0	0	0
1.2500	0	0	0	0
1.5000	0	0	0	0
1.7500	0	0	0	0
2.0000	0	0	0	0
2.2500	0	0	0	0
2.5000	0	0	0	0
2.7500	0	0	0	0
3.0000	0	0	0	0
3.2500	0	0	0	0
3.5000	0	0	0	0
3.7500	0	0	0	0
4.0000	0	0	0	0
4.2500	0	0	0	0
4.5000	0	0	0	0

4.7500	0	0	0	0
0				
5.0000	0	0	0	0
0				
5.2500	0	0	0	0
0				
5.5000	0	0	0	0
0				
5.7500	0	0	0	0
0				
6.0000	0	0	0	0
0				
6.2500	0	0	0	0
0				
6.5000	0	0	0	0
0				
6.7500	0	0	0	0
0				
7.0000	0	0	0	0
1				
7.2500	2	4	9	17
28				
7.5000	45	66	92	124
161				
7.7500	202	245	290	337
382				
8.0000	417	446	474	501
527				
8.2500	553	578	602	627
652				
8.5000	678	706	734	765
799				
8.7500	836	874	915	949
975				
9.0000	999	1021	1043	1064
1086				
9.2500	1107	1128	1149	1170
1190				
9.5000	1210	1229	1248	1266
1286				
9.7500	1306	1334	1367	1403
1426				
10.0000	1448	1470	1492	1527
1567				
10.2500	1612	1661	1704	1742
1780				
10.5000	1818	1858	1943	2071
2232				

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TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs

Time hrs	Time on left represents time for first value in each row.				
10.7500	2427	2654	2915	3207	3527
11.0000	3878	4257	4665	5107	5555
11.2500	6030	6567	7162	7800	8492
11.5000	9257	10112	11110	12454	14374
11.7500	17212	21413	27448	37726	53128
12.0000	75755	105782	140756	176908	211571
12.2500	241853	265971	283603	295403	302349
12.5000	305395	305387	302983	298683	292906
12.7500	286015	278286	269944	261207	252172
13.0000	242997	233758	224485	215233	205977
13.2500	196780	187651	178868	170322	162018
13.5000	153897	145979	138222	130595	123114
13.7500	115751	108474	101275	94158	87222
14.0000	80687	74441	68445	62683	57163
14.2500	51872	46799	41965	37350	32946
14.5000	28751	25471	22698	20327	18501
14.7500	16714	15439	14445	13597	12893
15.0000	12281	11746	11302	10918	10582
15.2500	10287	10025	9786	9561	9351

15.5000	9152	8965	8785	8612	8448
15.7500	8290	8138	7991	7847	7707
16.0000	7570	7433	7299	7165	7030
16.2500	6897	6767	6642	6522	6408
16.5000	6300	6198	6102	6012	5927
16.7500	5849	5779	5714	5654	5598
17.0000	5545	5494	5446	5399	5353
17.2500	5309	5266	5223	5177	5130
17.5000	5081	5031	4981	4930	4878
17.7500	4826	4773	4719	4665	4611
18.0000	4556	4502	4447	4392	4337
18.2500	4281	4226	4170	4114	4059
18.5000	4003	3947	3892	3836	3779
18.7500	3723	3666	3611	3554	3498
19.0000	3441	3385	3328	3272	3215
19.2500	3158	3101	3043	2984	2925
19.5000	2867	2808	2749	2689	2629
19.7500	2569	2510	2449	2388	2328
20.0000	2267	2207	2147	2087	2028
20.2500	1970	1914	1862	1844	1832
20.5000	1824	1818	1814	1811	1808
20.7500	1806	1804	1802	1800	1799
21.0000	1797	1795	1794	1792	1791
21.2500	1789	1788	1786	1785	1783
21.5000	1782	1780	1779	1777	1776

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
21.7500	1774	1773	1771	1770 1768
22.0000	1767	1765	1764	1762 1761
22.2500	1759	1758	1756	1755 1753
22.5000	1752	1750	1748	1747 1746
22.7500	1744	1742	1741	1739 1738
23.0000	1736	1735	1733	1732 1730
23.2500	1729	1727	1726	1724 1723
23.5000	1721	1720	1718	1717 1715
23.7500	1713	1712	1710	1709 1707
24.0000	1705	1701	1690	1660 1598
24.2500	1506	1424	1302	1187 1080
24.5000	989	904	805	715 640
24.7500	576	521	473	436 406
25.0000	382	360	336	314 293
25.2500	274	256	240	225 212
25.5000	200	190	180	170 161
25.7500	153	145	137	130 123
26.0000	116	110	104	99 93
26.2500	89	84	79	75 71

26.5000	67	64	60	57
54				
26.7500	51	48	46	43
41				
27.0000	39	37	35	33
31				
27.2500	30	28	26	25
24				
27.5000	22	21	20	19
18				
27.7500	17	16	15	14
14				
28.0000	13	12	12	11
10				
28.2500	10	9	9	8
8				
28.5000	8	7	7	6
6				
28.7500	6	5	5	5
5				
29.0000	4	4	4	4
3				
29.2500	3	3	3	3
3				
29.5000	3	3	2	2
2				
29.7500	2	2	2	2
2				
30.0000	1	1	1	1
1				
30.2500	1	1	1	1
1				
30.5000	1	1	1	1
1				
30.7500	1	1	1	1
1				
31.0000	1	1	1	1
1				
31.2500	1	1	1	1
1				
31.5000	1	1	1	1
1				
31.7500	1	1	1	1
1				
32.0000	1	1	1	1
1				
32.2500	1	1	1	1
1				
32.5000	1	1	1	1
1				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
32.7500	1	1	1	1
1				
33.0000	1	1	1	1
1				
33.2500	1	1	1	1
1				
33.5000	1	1	1	1
1				
33.7500	1	1	1	1
1				
34.0000	1	1	1	1
1				
34.2500	1	1	1	1
1				
34.5000	1	1	1	1
1				
34.7500	1	1	1	1
1				
35.0000	1			

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	0	0	0	0
.2500	0	0	0	0
.5000	0	0	0	0
.7500	0	0	0	0
1.0000	0	0	0	0
1.2500	0	0	0	0
1.5000	0	0	0	0
1.7500	0	0	0	0
2.0000	0	0	0	0
2.2500	0	0	0	0
2.5000	0	0	0	0
2.7500	0	0	0	0
3.0000	0	0	0	0
3.2500	0	0	0	0
3.5000	0	0	0	0
3.7500	0	0	0	0
4.0000	0	0	0	0
4.2500	0	0	0	0
4.5000	0	0	0	0

4.7500	0	0	0	0
0				
5.0000	0	0	0	0
0				
5.2500	0	0	0	0
0				
5.5000	0	0	0	0
0				
5.7500	0	0	0	0
0				
6.0000	0	0	0	0
0				
6.2500	0	0	0	0
0				
6.5000	0	0	0	0
0				
6.7500	0	0	0	0
0				
7.0000	0	0	0	0
0				
7.2500	0	0	0	0
0				
7.5000	0	0	0	0
0				
7.7500	0	0	0	0
0				
8.0000	0	0	0	0
0				
8.2500	0	0	0	0
0				
8.5000	0	0	0	0
0				
8.7500	0	0	0	1
1				
9.0000	2	4	7	10
15				
9.2500	21	30	43	59
80				
9.5000	106	136	165	192
217				
9.7500	238	256	273	290
305				
10.0000	320	335	350	365
391				
10.2500	428	477	541	616
701				
10.5000	793	887	981	1078
1177				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
10.7500	1279	1392	1511	1636	1770
11.0000	1915	2068	2222	2374	2535
11.2500	2708	2892	3076	3242	3393
11.5000	3541	3692	3857	4058	4322
11.7500	4709	5288	6121	7357	9088
12.0000	11661	14698	17841	20651	22837
12.2500	24520	25874	26994	27932	28696
12.5000	29236	29556	29667	29590	29354
12.7500	28986	28518	27982	27419	26881
13.0000	26365	25872	25400	24949	24477
13.2500	23932	23303	22644	21978	21314
13.5000	20650	19994	19345	18707	18072
13.7500	17378	16515	15498	14393	13282
14.0000	12206	11158	10119	9274	8674
14.2500	8171	7764	7423	7142	6908
14.5000	6702	6513	6345	6196	6064
14.7500	5949	5848	5759	5680	5609
15.0000	5544	5484	5428	5369	5310
15.2500	5252	5196	5141	5089	5041

15.5000	4996	4954	4912	4870
4829				
15.7500	4788	4747	4706	4665
4623				
16.0000	4582	4540	4498	4458
4417				
16.2500	4378	4339	4301	4263
4227				
16.5000	4193	4161	4131	4102
4074				
16.7500	4047	4021	3996	3972
3948				
17.0000	3925	3903	3882	3862
3842				
17.2500	3823	3804	3785	3767
3749				
17.5000	3732	3715	3699	3682
3660				
17.7500	3633	3604	3577	3551
3526				
18.0000	3504	3481	3461	3441
3421				
18.2500	3402	3384	3366	3348
3330				
18.5000	3313	3295	3277	3260
3242				
18.7500	3225	3207	3189	3172
3154				
19.0000	3137	3119	3101	3082
3064				
19.2500	3046	3028	3011	2993
2975				
19.5000	2958	2939	2921	2902
2884				
19.7500	2865	2846	2827	2808
2789				
20.0000	2769	2750	2731	2712
2693				
20.2500	2674	2654	2635	2615
2598				
20.5000	2582	2567	2553	2541
2531				
20.7500	2521	2512	2505	2497
2491				
21.0000	2484	2478	2473	2468
2463				
21.2500	2458	2454	2449	2445
2441				
21.5000	2436	2432	2428	2424
2420				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
21.7500	2415	2412	2407	2403
2399				
22.0000	2395	2391	2387	2383
2379				
22.2500	2375	2370	2366	2362
2358				
22.5000	2354	2350	2346	2342
2338				
22.7500	2333	2329	2325	2321
2317				
23.0000	2313	2308	2305	2300
2296				
23.2500	2292	2288	2284	2280
2275				
23.5000	2271	2267	2263	2259
2254				
23.7500	2250	2246	2242	2238
2233				
24.0000	2229	2224	2215	2200
2171				
24.2500	2116	2029	1911	1766
1591				
24.5000	1407	1231	1067	912
762				
24.7500	613	474	354	293
248				
25.0000	216	189	168	152
139				
25.2500	127	116	107	99
91				
25.5000	85	80	75	71
67				
25.7500	63	60	56	53
50				
26.0000	47	45	42	40
38				
26.2500	36	34	32	30
29				

26.5000	27	26	24	23
22				
26.7500	21	19	18	17
16				
27.0000	16	15	14	13
12				
27.2500	12	11	10	10
9				
27.5000	9	8	8	8
7				
27.7500	7	6	6	6
5				
28.0000	5	5	5	4
4				
28.2500	4	4	4	3
3				
28.5000	3	3	3	3
2				
28.7500	2	2	2	2
2				
29.0000	2	2	2	1
1				
29.2500	1	1	1	1
1				
29.5000	1	1	1	1
1				
29.7500	1	1	1	1
1				
30.0000	1	1	0	0
0				
30.2500	0	0	0	0
0				
30.5000	0	0	0	0
0				
30.7500	0	0	0	0
0				
31.0000	0	0	0	0
0				
31.2500	0	0	0	0
0				
31.5000	0	0	0	0
0				
31.7500	0	0	0	0
0				
32.0000	0	0	0	0
0				
32.2500	0	0	0	0
0				
32.5000	0	0	0	0
0				

TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
32.7500	0	0	0	0
33.0000	0	0	0	0
33.2500	0	0	0	0
33.5000	0	0	0	0
33.7500	0	0	0	0
34.0000	0	0	0	0
34.2500	0	0	0	0
34.5000	0	0	0	0
34.7500	0	0	0	0
35.0000	0			

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
.0000	0	0	0	0
.2500	0	0	0	0
.5000	0	0	0	0
.7500	0	0	0	0
1.0000	0	0	0	0
1.2500	0	0	0	0
1.5000	0	0	0	0
1.7500	0	0	0	0
2.0000	0	0	0	0
2.2500	0	0	0	0
2.5000	0	0	0	0
2.7500	0	0	0	0
3.0000	0	0	0	0
3.2500	0	0	0	0
3.5000	0	0	0	0
3.7500	0	0	0	0
4.0000	0	0	0	0
4.2500	0	0	0	0
4.5000	0	0	0	0

4.7500	0	0	0	0
0				
5.0000	0	0	0	0
0				
5.2500	0	0	0	0
0				
5.5000	0	0	0	0
0				
5.7500	0	0	0	0
0				
6.0000	0	0	0	0
0				
6.2500	0	0	0	0
0				
6.5000	0	0	0	0
0				
6.7500	0	0	0	0
0				
7.0000	0	0	0	0
0				
7.2500	0	0	0	0
0				
7.5000	0	0	0	0
0				
7.7500	0	0	0	0
0				
8.0000	0	0	0	0
0				
8.2500	0	0	0	0
1				
8.5000	1	2	4	6
9				
8.7500	14	19	27	38
53				
9.0000	72	95	125	156
184				
9.2500	212	236	256	275
293				
9.5000	309	324	338	351
364				
9.7500	385	413	447	491
546				
10.0000	608	678	753	832
910				
10.2500	989	1069	1152	1238
1330				
10.5000	1429	1535	1645	1760
1879				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
10.7500	2009	2144	2278	2411	2550
11.0000	2700	2855	3018	3175	3312
11.2500	3437	3559	3682	3812	3956
11.5000	4114	4288	4495	4763	5115
11.7500	5589	6264	7259	8688	10861
12.0000	13763	16976	20102	22660	24737
12.2500	26558	28307	29991	31456	32596
12.5000	33398	33904	34158	34199	34039
12.7500	33685	33172	32537	31815	31036
13.0000	30221	29398	28581	27779	27062
13.2500	26424	25849	25327	24842	24327
13.5000	23723	23061	22388	21717	21051
13.7500	20390	19737	19094	18461	17834
14.0000	17098	16164	15110	14012	12929
14.2500	11886	10837	9836	9101	8552
14.5000	8096	7729	7422	7170	6964
14.7500	6790	6630	6487	6358	6243
15.0000	6140	6047	5964	5889	5822
15.2500	5761	5705	5652	5603	5555

15.5000	5509	5465	5421	5373
5322				
15.7500	5271	5219	5168	5116
5067				
16.0000	5020	4976	4932	4888
4844				
16.2500	4800	4757	4714	4671
4630				
16.5000	4590	4551	4514	4480
4447				
16.7500	4417	4388	4360	4334
4309				
17.0000	4285	4262	4240	4219
4199				
17.2500	4179	4160	4141	4124
4106				
17.5000	4089	4071	4055	4037
4020				
17.7500	4002	3985	3967	3949
3931				
18.0000	3913	3895	3878	3860
3842				
18.2500	3824	3806	3788	3770
3752				
18.5000	3734	3716	3698	3678
3652				
18.7500	3621	3590	3560	3531
3504				
19.0000	3477	3453	3429	3407
3385				
19.2500	3363	3342	3321	3300
3280				
19.5000	3260	3239	3219	3199
3179				
19.7500	3158	3138	3117	3096
3075				
20.0000	3055	3035	3014	2995
2975				
20.2500	2955	2935	2916	2898
2881				
20.5000	2866	2851	2838	2826
2816				
20.7500	2806	2797	2789	2782
2775				
21.0000	2769	2763	2757	2752
2747				
21.2500	2742	2738	2733	2729
2724				
21.5000	2720	2716	2712	2707
2703				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
21.7500	2699	2695	2691	2686
2682				
22.0000	2678	2674	2670	2666
2661				
22.2500	2657	2653	2648	2644
2639				
22.5000	2635	2630	2625	2621
2615				
22.7500	2610	2605	2600	2596
2591				
23.0000	2586	2581	2577	2572
2567				
23.2500	2562	2557	2553	2548
2543				
23.5000	2538	2534	2529	2524
2519				
23.7500	2515	2510	2505	2500
2496				
24.0000	2491	2484	2473	2451
2410				
24.2500	2346	2257	2133	1977
1797				
24.5000	1597	1397	1209	1037
876				
24.7500	719	569	428	331
274				
25.0000	234	204	179	161
146				
25.2500	133	121	111	102
95				
25.5000	88	82	77	73
69				
25.7500	65	61	58	54
51				
26.0000	48	46	43	41
39				
26.2500	37	35	33	31
29				

26.5000	28	26	25	23
22				
26.7500	21	20	19	18
17				
27.0000	16	15	14	13
13				
27.2500	12	11	11	10
9				
27.5000	9	8	8	8
7				
27.7500	7	6	6	6
5				
28.0000	5	5	5	4
4				
28.2500	4	4	4	3
3				
28.5000	3	3	3	3
2				
28.7500	2	2	2	2
2				
29.0000	2	2	2	1
1				
29.2500	1	1	1	1
1				
29.5000	1	1	1	1
1				
29.7500	1	1	1	1
1				
30.0000	1	1	0	0
0				
30.2500	0	0	0	0
0				
30.5000	0	0	0	0
0				
30.7500	0	0	0	0
0				
31.0000	0	0	0	0
0				
31.2500	0	0	0	0
0				
31.5000	0	0	0	0
0				
31.7500	0	0	0	0
0				
32.0000	0	0	0	0
0				
32.2500	0	0	0	0
0				
32.5000	0	0	0	0
0				

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
32.7500	0	0	0	0
33.0000	0	0	0	0
33.2500	0	0	0	0
33.5000	0	0	0	0
33.7500	0	0	0	0
34.0000	0	0	0	0
34.2500	0	0	0	0
34.5000	0	0	0	0
34.7500	0	0	0	0
35.0000	0			

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
.0000	0	0	0	0
.2500	0	0	0	0
.5000	0	0	0	0
.7500	0	0	0	0
1.0000	0	0	0	0
1.2500	0	0	0	0
1.5000	0	0	0	0
1.7500	0	0	0	0
2.0000	0	0	0	0
2.2500	0	0	0	0
2.5000	0	0	0	0
2.7500	0	0	0	0
3.0000	0	0	0	0
3.2500	0	0	0	0
3.5000	0	0	0	0
3.7500	0	0	0	0
4.0000	0	0	0	0
4.2500	0	0	0	0
4.5000	0	0	0	0

4.7500	0	0	0	0
0				
5.0000	0	0	0	0
0				
5.2500	0	0	0	0
0				
5.5000	0	0	0	0
0				
5.7500	0	0	0	0
0				
6.0000	0	0	0	0
0				
6.2500	0	0	0	0
0				
6.5000	0	0	0	0
0				
6.7500	0	0	0	0
0				
7.0000	0	0	0	0
0				
7.2500	0	0	0	1
2				
7.5000	3	5	8	11
16				
7.7500	22	30	42	57
75				
8.0000	96	121	149	173
197				
8.2500	219	236	252	267
282				
8.5000	296	310	323	337
350				
8.7500	364	387	419	461
514				
9.0000	577	648	725	806
886				
9.2500	963	1039	1114	1188
1259				
9.5000	1332	1404	1478	1550
1623				
9.7500	1697	1768	1836	1903
1976				
10.0000	2057	2145	2236	2327
2417				
10.2500	2508	2604	2705	2812
2927				
10.5000	3047	3172	3289	3393
3486				

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
10.7500	3576	3663	3754	3850	3954
11.0000	4067	4188	4317	4457	4616
11.2500	4800	5001	5210	5436	5668
11.5000	5917	6188	6501	6876	7340
11.7500	7992	8928	10490	12804	15619
12.0000	18743	21723	24454	27139	30121
12.2500	33089	35839	38271	40280	41504
12.5000	42168	42534	42696	42709	42613
12.7500	42431	42181	41881	41540	41106
13.0000	40616	40046	39317	38511	37655
13.2500	36779	35890	34946	33922	32859
13.5000	31793	30747	29734	28776	27863
13.7500	27066	26378	25773	25235	24729
14.0000	24186	23561	22893	22220	21553
14.2500	20891	20240	19599	18968	18350
14.5000	17742	17017	16100	15083	14035
14.7500	13016	12046	11087	10165	9394
15.0000	8869	8455	8117	7843	7615
15.2500	7420	7254	7114	6995	6892

15.5000	6802	6715	6633	6556
6483				
15.7500	6411	6342	6276	6211
6149				
16.0000	6088	6028	5970	5913
5859				
16.2500	5808	5758	5711	5665
5621				
16.5000	5579	5539	5501	5466
5431				
16.7500	5398	5362	5326	5291
5257				
17.0000	5225	5193	5163	5135
5107				
17.2500	5080	5054	5029	5006
4983				
17.5000	4962	4942	4921	4900
4880				
17.7500	4858	4837	4816	4794
4773				
18.0000	4751	4729	4707	4685
4662				
18.2500	4639	4617	4594	4571
4548				
18.5000	4525	4503	4480	4458
4436				
18.7500	4414	4392	4371	4349
4327				
19.0000	4306	4284	4262	4240
4219				
19.2500	4197	4176	4155	4134
4112				
19.5000	4091	4070	4048	4027
4004				
19.7500	3981	3958	3935	3911
3888				
20.0000	3864	3840	3816	3792
3769				
20.2500	3745	3722	3699	3671
3636				
20.5000	3602	3570	3543	3519
3500				
20.7500	3483	3468	3455	3445
3435				
21.0000	3426	3419	3411	3405
3398				
21.2500	3393	3387	3381	3376
3371				
21.5000	3365	3360	3355	3350
3345				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
21.7500	3340	3335	3330	3325
3319				
22.0000	3314	3309	3304	3299
3294				
22.2500	3289	3284	3279	3274
3269				
22.5000	3264	3259	3253	3248
3243				
22.7500	3238	3233	3228	3223
3218				
23.0000	3213	3208	3202	3197
3192				
23.2500	3187	3182	3177	3172
3167				
23.5000	3161	3156	3151	3146
3141				
23.7500	3136	3130	3125	3120
3115				
24.0000	3109	3102	3089	3064
3019				
24.2500	2945	2830	2676	2490
2277				
24.5000	2043	1804	1569	1347
1146				
24.7500	962	794	632	480
353				
25.0000	289	243	211	184
164				
25.2500	148	134	122	112
102				
25.5000	95	88	82	77
72				
25.7500	68	64	61	57
54				
26.0000	51	48	45	43
41				
26.2500	38	36	34	32
31				

26.5000	29	27	26	25
23				
26.7500	22	21	20	19
18				
27.0000	17	16	15	14
13				
27.2500	13	12	11	11
10				
27.5000	9	9	8	8
8				
27.7500	7	7	6	6
6				
28.0000	5	5	5	5
4				
28.2500	4	4	4	4
3				
28.5000	3	3	3	3
3				
28.7500	2	2	2	2
2				
29.0000	2	2	2	2
1				
29.2500	1	1	1	1
1				
29.5000	1	1	1	1
1				
29.7500	1	1	1	1
1				
30.0000	1	1	1	0
0				
30.2500	0	0	0	0
0				
30.5000	0	0	0	0
0				
30.7500	0	0	0	0
0				
31.0000	0	0	0	0
0				
31.2500	0	0	0	0
0				
31.5000	0	0	0	0
0				
31.7500	0	0	0	0
0				
32.0000	0	0	0	0
0				
32.2500	0	0	0	0
0				
32.5000	0	0	0	0
0				

TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
32.7500	0	0	0	0
0				
33.0000	0	0	0	0
0				
33.2500	0	0	0	0
0				
33.5000	0	0	0	0
0				
33.7500	0	0	0	0
0				
34.0000	0	0	0	0
0				
34.2500	0	0	0	0
0				
34.5000	0	0	0	0
0				
34.7500	0	0	0	0
0				
35.0000	0			

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
8.9500	0	0	0	0	0
9.2000	0	0	0	0	0
9.4500	0	0	0	0	0
9.7000	0	0	0	0	0
9.9500	0	0	0	0	0
10.2000	0	0	0	0	0
10.4500	1	1	1	1	1
10.7000	1	1	1	1	1
10.9500	2	2	2	2	3
11.2000	3	4	5	7	8
11.4500	11	15	21	32	59
11.7000	140	283	496	914	1649
11.9500	2840	4582	6856	9510	12277
12.2000	14870	17051	18699	19807	20448
12.4500	20718	20704	20469	20051	19495
12.7000	18825	18065	17239	16367	15460
12.9500	14529	13587	12641	11692	10751
13.2000	9818	8902	8004	7132	6288
13.4500	5476	4701	3966	3277	2639

13.7000	2054	1529	1071	698
421				
13.9500	236	66	55	50
46				
14.2000	43	40	38	36
34				
14.4500	33	31	30	29
28				
14.7000	27	26	25	25
24				
14.9500	23	22	21	20
20				
15.2000	19	18	17	17
16				
15.4500	15	15	14	13
13				
15.7000	12	12	11	11
10				
15.9500	10	9	9	9
8				
16.2000	8	8	7	7
7				
16.4500	7	7	7	7
6				
16.7000	6	6	6	6
6				
16.9500	6	6	6	6
5				
17.2000	5	5	5	5
5				
17.4500	5	5	5	5
5				
17.7000	5	5	4	4
4				
17.9500	4	4	4	4
4				
18.2000	4	4	4	4
4				
18.4500	4	4	3	3
3				
18.7000	3	3	3	3
3				
18.9500	3	3	3	3
3				
19.2000	3	3	3	3
2				
19.4500	2	2	2	2
2				

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
19.7000	2	2	2	2
19.9500	2	2	2	2
20.2000	2	2	2	2
20.4500	2	2	2	2
20.7000	2	2	2	2
20.9500	2	2	2	2
21.2000	2	2	2	2
21.4500	2	2	2	2
21.7000	2	2	2	2
21.9500	2	2	2	2
22.2000	2	2	2	2
22.4500	2	2	2	2
22.7000	2	2	2	2
22.9500	2	2	2	2
23.2000	1	1	1	1
23.4500	1	1	1	1
23.7000	1	1	1	1
23.9500	1	1	1	1
24.2000	1	1	1	0

```
     24.4500 |           0           0           0           0
0
     24.7000 |           0           0           0           0
0
     24.9500 |           0           0           0           0
0

   S/N:
   PondPack Ver:                Compute Time:             Date:
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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
8.5500	0	0	0	0	0
8.8000	0	0	0	0	0
9.0500	0	0	0	0	0
9.3000	0	0	0	0	0
9.5500	0	0	0	0	0
9.8000	0	0	0	0	0
10.0500	0	1	1	1	1
10.3000	1	1	1	1	1
10.5500	1	1	1	2	2
10.8000	2	2	3	3	4
11.0500	4	5	6	8	9
11.3000	12	16	21	28	37
11.5500	49	77	136	254	405
11.8000	722	1289	2258	3788	5972
12.0500	8792	12053	15450	18637	21345
12.3000	23430	24885	25796	26275	26418
12.5500	26298	25964	25464	24823	24076
12.8000	23246	22351	21408	20432	19431
13.0500	18414	17388	16358	15324	14296

13.3000	13279	12271	11284	10312	9366
13.5500	8441	7545	6680	5845	5047
13.8000	4289	3576	2913	2304	1753
14.0500	1264	851	531	308	119
14.3000	60	56	53	50	48
14.5500	46	45	43	42	40
14.8000	39	38	36	35	34
15.0500	33	32	31	30	29
15.3000	28	27	26	25	24
15.5500	23	22	21	20	19
15.8000	18	17	16	16	15
16.0500	14	13	13	12	12
16.3000	11	11	10	10	10
16.5500	10	10	9	9	9
16.8000	9	9	9	8	8
17.0500	8	8	8	8	8
17.3000	8	7	7	7	7
17.5500	7	7	7	7	6
17.8000	6	6	6	6	6
18.0500	6	6	6	5	5
18.3000	5	5	5	5	5
18.5500	5	5	5	5	4
18.8000	4	4	4	4	4
19.0500	4	4	4	4	4

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
19.3000	4	4	3	3
19.5500	3	3	3	3
19.8000	3	3	3	3
20.0500	3	3	2	2
20.3000	2	2	2	2
20.5500	2	2	2	2
20.8000	2	2	2	2
21.0500	2	2	2	2
21.3000	2	2	2	2
21.5500	2	2	2	2
21.8000	2	2	2	2
22.0500	2	2	2	2
22.3000	2	2	2	2
22.5500	2	2	2	2
22.8000	2	2	2	2
23.0500	2	2	2	2
23.3000	2	2	2	2
23.5500	2	2	2	2
23.8000	2	2	2	2

```
     24.0500 |           2           2           1           1
1
     24.3000 |           1           0           0           0
0
     24.5500 |           0           0           0           0
0
     24.8000 |           0           0           0           0
0
     25.0500 |           0           0           0
```

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
7.4500	0	0	0	0	0
7.7000	0	0	0	0	0
7.9500	0	0	0	0	0
8.2000	0	0	0	0	0
8.4500	0	0	0	0	0
8.7000	0	0	0	0	0
8.9500	0	0	0	1	1
9.2000	1	1	1	1	1
9.4500	1	1	1	1	1
9.7000	1	1	1	1	1
9.9500	1	2	2	2	2
10.2000	2	2	3	3	4
10.4500	4	5	5	6	7
10.7000	8	9	11	13	16
10.9500	19	23	28	33	40
11.2000	49	62	80	102	128
11.4500	162	207	244	293	392
11.7000	589	938	1550	2588	4249
11.9500	6736	10170	14502	19452	24580

12.2000	29415	33577	36882	39309
40965				
12.4500	42010	42584	42791	42701
42372				
12.7000	41846	41165	40365	39477
38520				
12.9500	37513	36462	35374	34254
33110				
13.2000	31945	30766	29579	28386
27192				
13.4500	26000	24812	23629	22453
21282				
13.7000	20121	18971	17836	16711
15605				
13.9500	14514	13443	12392	11364
10358				
14.2000	9381	8431	7513	6632
5789				
14.4500	4986	4229	3522	2870
2275				
14.7000	1741	1272	878	575
361				
14.9500	221	93	90	86
83				
15.2000	79	76	72	69
66				
15.4500	63	60	57	55
52				
15.7000	50	48	46	44
42				
15.9500	40	38	37	35
34				
16.2000	32	31	30	29
28				
16.4500	27	27	26	26
25				
16.7000	25	24	24	23
23				
16.9500	22	22	21	21
20				
17.2000	20	20	19	19
18				
17.4500	18	18	17	17
16				
17.7000	16	16	15	15
15				
17.9500	14	14	14	13
13				

TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
18.2000	13	12	12	12
18.4500	11	11	11	10
18.7000	10	10	9	9
18.9500	9	9	8	8
19.2000	8	8	7	7
19.4500	7	7	7	6
19.7000	6	6	6	6
19.9500	5	5	5	5
20.2000	5	5	5	5
20.4500	5	4	4	4
20.7000	4	4	4	4
20.9500	4	4	4	4
21.2000	4	4	4	4
21.4500	4	4	4	4
21.7000	4	4	4	4
21.9500	4	4	4	4
22.2000	4	4	4	4
22.4500	4	4	4	4
22.7000	4	4	4	4

22.9500	3	3	3	3
3				
23.2000	3	3	3	3
3				
23.4500	3	3	3	3
3				
23.7000	3	3	3	3
3				
23.9500	3	3	3	3
2				
24.2000	2	1	1	1
0				
24.4500	0	0	0	0
0				
24.7000	0	0	0	0
0				
24.9500	0	0	0	0
0				

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
9.4000	5175	5175	5176	5177	5180
9.6500	5184	5191	5199	5209	5221
9.9000	5236	5253	5274	5296	5322
10.1500	5351	5383	5418	5457	5499
10.4000	5543	5591	5642	5696	5755
10.6500	5815	5879	5948	6021	6097
10.9000	6177	6263	6353	6447	6547
11.1500	6653	6765	6886	7017	7158
11.4000	7313	7479	7660	7861	8107
11.6500	8443	8942	9730	10983	12935
11.9000	15907	20248	26085	33093	40569
12.1500	47650	53639	58302	61764	64283
12.4000	66129	67490	68482	69170	69589
12.6500	69773	69784	69684	69515	69295
12.9000	69043	68758	68436	68078	67690
13.1500	67275	66833	66369	65886	65383
13.4000	64866	64333	63787	63226	62653
13.6500	62066	61469	60860	60243	59614
13.9000	58979	58334	57682	57023	56356

14.1500	55683	55006	54323	53641
52955				
14.4000	52269	51585	50900	50216
49535				
14.6500	48854	48174	47497	46821
46146				
14.9000	45474	44805	44135	43468
42805				
15.1500	42142	41482	40824	40169
39516				
15.4000	38865	38217	37573	36930
36290				
15.6500	35653	35020	34390	33762
33137				
15.9000	32517	31900	31287	30676
30069				
16.1500	29467	28871	28279	27694
27114				
16.4000	26541	25975	25418	24868
24324				
16.6500	23789	23261	22741	22230
21728				
16.9000	21232	20745	20267	19797
19337				
17.1500	18884	18440	18005	17579
17163				
17.4000	16755	16356	15966	15587
15216				
17.6500	14854	14502	14161	13827
13504				
17.9000	13191	12887	12592	12308
12033				
18.1500	11768	11513	11266	11030
10802				
18.4000	10585	10376	10177	9987
9806				
18.6500	9633	9470	9315	9172
9040				
18.9000	8919	8810	8713	8623
8542				
19.1500	8468	8402	8341	8284
8232				
19.4000	8184	8139	8098	8060
8024				
19.6500	7991	7959	7928	7900
7872				
19.9000	7846	7821	7798	7775
7753				

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
20.1500	7732	7711	7692	7674 7658
20.4000	7642	7627	7614	7601 7589
20.6500	7578	7568	7559	7550 7542
20.9000	7534	7527	7521	7514 7508
21.1500	7503	7497	7492	7487 7482
21.4000	7478	7473	7469	7465 7461
21.6500	7457	7454	7450	7446 7443
21.9000	7439	7436	7432	7429 7426
22.1500	7422	7419	7416	7413 7410
22.4000	7407	7404	7400	7397 7394
22.6500	7391	7388	7385	7382 7379
22.9000	7376	7373	7370	7367 7364
23.1500	7361	7358	7355	7352 7349
23.4000	7346	7343	7340	7337 7334
23.6500	7331	7328	7325	7322 7319
23.9000	7316	7313	7310	7305 7293
24.1500	7264	7214	7144	7059 6965
24.4000	6868	6773	6682	6595 6513
24.6500	6437	6366	6300	6238 6181

24.9000	6128	6079	6034	5992
5952				
25.1500	5915	5880	5848	5818
5790				
25.4000	5764	5739	5716	5694
5673				
25.6500	5653	5634	5617	5600
5584				
25.9000	5569	5555	5541	5529
5517				
26.1500	5505	5494	5484	5475
5465				
26.4000	5457	5448	5440	5432
5424				
26.6500	5417	5409	5402	5395
5389				
26.9000	5382	5376	5370	5364
5358				
27.1500	5353	5347	5342	5337
5332				
27.4000	5328	5323	5319	5314
5310				
27.6500	5306	5302	5298	5295
5291				
27.9000	5287	5284	5281	5278
5275				
28.1500	5272	5269	5266	5263
5260				
28.4000	5258	5255	5253	5251
5248				
28.6500	5246	5244	5242	5240
5238				
28.9000	5236	5234	5232	5231
5229				
29.1500	5228	5226	5224	5223
5221				
29.4000	5220	5219	5217	5216
5215				
29.6500	5214	5213	5211	5210
5209				
29.9000	5208	5207	5206	5205
5204				
30.1500	5203	5203	5202	5201
5200				
30.4000	5199	5199	5198	5197
5197				
30.6500	5196	5195	5195	5194
5194				
30.9000	5193	5192	5192	

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
8.9500	5175	5175	5176	5177	5180
9.2000	5184	5190	5199	5209	5222
9.4500	5237	5254	5273	5295	5318
9.7000	5344	5372	5403	5436	5472
9.9500	5510	5549	5591	5636	5683
10.2000	5733	5785	5840	5897	5957
10.4500	6020	6086	6154	6225	6300
10.7000	6378	6459	6544	6635	6729
10.9500	6828	6933	7042	7157	7279
11.2000	7408	7548	7700	7864	8044
11.4500	8238	8448	8685	8974	9380
11.7000	10009	11021	12616	15063	18735
11.9500	24027	31069	39463	48378	56800
12.2000	63927	69470	73044	74641	75017
12.4500	74800	74324	73750	73163	72593
12.7000	72066	71578	71130	70728	70357
12.9500	70012	69695	69395	69098	68789
13.2000	68457	68096	67712	67308	66882
13.4500	66439	65979	65499	65006	64496

13.7000	63971	63434	62882	62320
61746				
13.9500	61163	60567	59963	59349
58727				
14.2000	58098	57461	56823	56180
55537				
14.4500	54892	54246	53601	52955
52309				
14.7000	51664	51017	50373	49729
49084				
14.9500	48441	47799	47156	46515
45875				
15.2000	45235	44597	43959	43322
42687				
15.4500	42053	41420	40788	40158
39529				
15.7000	38901	38276	37653	37030
36410				
15.9500	35792	35176	34562	33950
33341				
16.2000	32737	32135	31537	30946
30360				
16.4500	29781	29205	28637	28075
27520				
16.7000	26972	26429	25893	25365
24844				
16.9500	24330	23822	23321	22828
22343				
17.2000	21864	21393	20930	20474
20026				
17.4500	19585	19153	18729	18313
17903				
17.7000	17503	17111	16727	16351
15984				
17.9500	15626	15275	14932	14600
14275				
18.2000	13958	13651	13352	13062
12782				
18.4500	12508	12245	11989	11742
11505				
18.7000	11275	11055	10842	10639
10442				
18.9500	10255	10075	9904	9740
9584				
19.2000	9436	9296	9166	9046
8935				
19.4500	8835	8745	8663	8587
8519				

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
19.7000	8456	8398	8345	8296
8249				
19.9500	8206	8166	8128	8093
8060				
20.2000	8029	8001	7974	7948
7925				
20.4500	7904	7885	7867	7851
7835				
20.7000	7822	7809	7797	7786
7776				
20.9500	7767	7758	7750	7742
7735				
21.2000	7728	7722	7716	7710
7705				
21.4500	7700	7695	7690	7685
7680				
21.7000	7676	7672	7668	7664
7660				
21.9500	7656	7652	7648	7644
7641				
22.2000	7637	7633	7630	7626
7622				
22.4500	7619	7615	7612	7608
7605				
22.7000	7601	7598	7594	7591
7587				
22.9500	7584	7580	7577	7573
7570				
23.2000	7566	7563	7559	7556
7552				
23.4500	7549	7545	7542	7539
7535				
23.7000	7532	7528	7525	7521
7518				
23.9500	7514	7511	7505	7491
7459				
24.2000	7403	7325	7228	7122
7015				

24.4500	6908	6806	6709	6619
6533				
24.7000	6455	6382	6314	6251
6193				
24.9500	6139	6089	6044	6000
5960				
25.2000	5922	5887	5854	5824
5796				
25.4500	5769	5745	5721	5698
5677				
25.7000	5657	5638	5620	5603
5587				
25.9500	5572	5558	5544	5531
5519				
26.2000	5507	5497	5486	5476
5467				
26.4500	5458	5450	5442	5434
5426				
26.7000	5418	5411	5404	5397
5390				
26.9500	5384	5377	5371	5365
5360				
27.2000	5354	5349	5343	5338
5333				
27.4500	5329	5324	5320	5315
5311				
27.7000	5307	5303	5299	5295
5292				
27.9500	5288	5285	5282	5278
5275				
28.2000	5272	5269	5266	5264
5261				
28.4500	5258	5256	5253	5251
5249				
28.7000	5247	5244	5242	5240
5238				
28.9500	5237	5235	5233	5231
5229				
29.2000	5228	5226	5225	5223
5222				
29.4500	5220	5219	5218	5216
5215				
29.7000	5214	5213	5212	5210
5209				
29.9500	5208	5207	5206	5206
5204				
30.2000	5204	5203	5202	5201
5200				
30.4500	5200	5199	5198	5197
5197				

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
30.7000	5196	5195	5195	5194	5194
30.9500	5193	5193	5192		

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
7.9500	5175	5175	5176	5177 5180
8.2000	5184	5190	5198	5207 5219
8.4500	5232	5248	5266	5286 5309
8.7000	5335	5362	5393	5427 5463
8.9500	5500	5540	5582	5625 5671
9.2000	5719	5768	5817	5867 5918
9.4500	5969	6020	6071	6121 6172
9.7000	6223	6275	6329	6383 6439
9.9500	6496	6556	6618	6682 6748
10.2000	6816	6887	6962	7039 7119
10.4500	7203	7292	7382	7476 7575
10.7000	7679	7786	7901	8022 8148
10.9500	8283	8423	8571	8728 8893
11.2000	9071	9266	9486	9736 10020
11.4500	10342	10706	11126	11653 12388
11.7000	13487	15187	17780	21644 27286
11.9500	35229	45594	57782	70479 80032
12.2000	84149	84596	83375	81645 79955
12.4500	78478	77218	76141	75211 74410

12.7000	73716	73113	72588	72135
71738				
12.9500	71387	71076	70803	70549
70305				
13.2000	70073	69853	69648	69449
69246				
13.4500	69038	68819	68577	68311
68020				
13.7000	67708	67375	67023	66650
66262				
13.9500	65857	65432	64994	64540
64071				
14.2000	63591	63098	62600	62092
61581				
14.4500	61064	60544	60021	59493
58963				
14.7000	58430	57895	57356	56815
56271				
14.9500	55726	55177	54627	54073
53518				
15.2000	52960	52400	51838	51274
50709				
15.4500	50139	49571	48997	48424
47848				
15.7000	47271	46693	46111	45530
44947				
15.9500	44362	43777	43189	42600
42013				
16.2000	41423	40836	40252	39667
39087				
16.4500	38511	37936	37366	36801
36238				
16.7000	35679	35126	34575	34029
33487				
16.9500	32950	32416	31888	31364
30844				
17.2000	30329	29819	29312	28811
28316				
17.4500	27824	27338	26857	26381
25909				
17.7000	25443	24983	24527	24077
23633				
17.9500	23193	22759	22332	21909
21492				
18.2000	21082	20677	20277	19885
19498				
18.4500	19116	18742	18373	18010
17654				

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TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
18.7000	17304	16961	16625	16294	15970
18.9500	15653	15342	15038	14741	14450
19.2000	14167	13889	13620	13356	13099
19.4500	12850	12607	12371	12141	11920
19.7000	11703	11495	11292	11097	10907
19.9500	10725	10549	10379	10217	10059
20.2000	9910	9767	9630	9501	9380
20.4500	9266	9163	9068	8979	8901
20.7000	8832	8769	8714	8663	8618
20.9500	8577	8540	8506	8477	8449
21.2000	8425	8402	8382	8364	8347
21.4500	8331	8316	8303	8290	8278
21.7000	8268	8257	8248	8239	8231
21.9500	8223	8215	8208	8201	8194
22.2000	8188	8182	8176	8170	8165
22.4500	8159	8154	8149	8143	8139
22.7000	8134	8129	8124	8119	8115
22.9500	8110	8105	8101	8096	8092
23.2000	8087	8083	8078	8074	8070

23.4500	8065	8061	8057	8052	8048
23.7000	8044	8039	8035	8031	8027
23.9500	8022	8018	8011	7992	7951
24.2000	7879	7776	7653	7516	7378
24.4500	7243	7113	6991	6876	6769
24.7000	6672	6581	6497	6420	6349
24.9500	6283	6222	6165	6114	6066
25.2000	6021	5979	5941	5904	5870
25.4500	5839	5810	5782	5757	5732
25.7000	5709	5688	5667	5648	5629
25.9500	5612	5595	5579	5565	5551
26.2000	5538	5525	5513	5502	5491
26.4500	5481	5472	5463	5454	5446
26.7000	5437	5430	5422	5414	5407
26.9500	5400	5393	5387	5380	5374
27.2000	5368	5362	5357	5351	5346
27.4500	5341	5336	5331	5326	5322
27.7000	5317	5313	5309	5305	5301
27.9500	5297	5293	5290	5287	5283
28.2000	5280	5277	5274	5271	5268
28.4500	5265	5262	5260	5257	5255
28.7000	5252	5250	5248	5246	5243
28.9500	5241	5239	5237	5236	5234
29.2000	5232	5230	5229	5227	5225
29.4500	5224	5222	5221	5220	5218

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TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
29.7000	5217	5216	5215	5213 5212
29.9500	5211	5210	5209	5208 5207
30.2000	5206	5205	5204	5203 5202
30.4500	5202	5201	5200	5199 5199
30.7000	5198	5197	5196	5196 5195
30.9500	5194	5194	5193	5193 5192

TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
3.6500	0	0	0	0	0
3.9000	0	18	36	54	72
4.1500	109	145	181	235	289
4.4000	353	425	507	588	678
4.6500	778	887	1004	1122	1258
4.9000	1393	1538	1683	1846	2018
5.1500	2190	2371	2571	2770	2978
5.4000	3196	3422	3658	3902	4156
5.6500	4419	4691	4972	5254	5553
5.9000	5861	6170	6488	6824	7160
6.1500	7505	7859	8213	8586	8968
6.4000	9349	9740	10141	10550	10969
6.6500	11387	11815	12261	12708	13154
6.9000	13619	14084	14558	15041	15515
7.1500	15999	16474	16958	17442	17917
7.4000	18401	18885	19370	19854	20339
7.6500	20824	21309	21794	22280	22774
7.9000	23260	23755	24240	24735	25231
8.1500	25726	26222	26727	27241	27764

8.4000	28306	28858	29418	30007
30596				
8.6500	31203	31829	32464	33118
33791				
8.9000	34473	35174	35893	36622
37370				
9.1500	38137	38913	39689	40485
41280				
9.4000	42067	42854	43641	44420
45190				
9.6500	45941	46692	47435	48178
48931				
9.9000	49693	50483	51283	52121
52977				
10.1500	53862	54785	55745	56743
57779				
10.4000	58872	60003	61181	62397
63661				
10.6500	64983	66352	67778	69271
70831				
10.9000	72468	74191	76000	77877
79832				
11.1500	81892	84059	86351	88798
91419				
11.4000	94224	97214	100447	103982
108011				
11.6500	112932	119367	128259	140915
158778				
11.9000	183309	215906	257579	308196
365431				
12.1500	425147	482554	533894	577319
612227				
12.4000	638816	657994	670872	678494
681887				
12.6500	681816	678940	673743	666645
657982				
12.9000	648114	637271	625645	613405
600672				
13.1500	587578	574206	560583	546812
532920				
13.4000	518976	504969	490989	477038
463148				
13.6500	449320	435597	421989	408498
395140				
13.9000	381930	368877	356001	343268
330731				
14.1500	318387	306233	294267	282540
271028				

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TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
14.4000	259748	248719	237948	227655 218126
14.6500	209321	201214	193695	186759 180292
14.9000	174299	168728	163526	158680 154158
15.1500	149910	145935	142210	138716 135412
15.4000	132298	129362	126586	123967 121478
15.6500	119116	116863	114719	112672 110724
15.9000	108864	107091	105378	103733 102147
16.1500	100619	99149	97738	96385 95090
16.4000	93843	92645	91504	90412 89358
16.6500	88342	87375	86436	85546 84684
16.9000	83860	83065	82308	81571 80871
17.1500	80191	79529	78897	78292 77698
17.4000	77132	76575	76038	75519 75010
17.6500	74511	74030	73560	73089 72637
17.9000	72195	71762	71329	70916 70502
18.1500	70098	69703	69308	68923 68548
18.4000	68172	67806	67440	67083 66736
18.6500	66380	66033	65695	65358 65020
18.9000	64692	64364	64036	63708 63390

19.1500	63071	62763	62444	62135
61827				
19.4000	61518	61209	60910	60601
60302				
19.6500	60003	59694	59395	59096
58788				
19.9000	58489	58181	57873	57574
57266				
20.1500	56967	56659	56361	56062
55773				
20.4000	55484	55204	54924	54663
54402				
20.6500	54151	53909	53666	53443
53219				
20.9000	53005	52800	52595	52400
52214				
21.1500	52027	51851	51674	51506
51348				
21.4000	51190	51032	50883	50743
50595				
21.6500	50464	50325	50195	50074
49944				
21.9000	49823	49702	49590	49479
49367				
22.1500	49256	49154	49042	48940
48838				
22.4000	48745	48642	48550	48457
48364				
22.6500	48271	48187	48094	48011
47927				
22.9000	47844	47760	47676	47593
47509				
23.1500	47435	47351	47277	47194
47119				
23.4000	47045	46971	46897	46822
46748				
23.6500	46674	46609	46535	46460
46395				
23.9000	46321	46247	46182	46099
45987				
24.1500	45811	45542	45152	44633
43984				
24.4000	43243	42410	41530	40605
39662				
24.6500	38709	37767	36835	35921
35035				
24.9000	34159	33321	32501	31709
30945				
25.1500	30209	29492	28793	28113
27461				

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
25.4000	26818	26203	25598	25020	24451
25.6500	23910	23379	22866	22362	21877
25.9000	21410	20961	20522	20092	19681
26.1500	19287	18894	18520	18154	17807
26.4000	17460	17131	16811	16501	16200
26.6500	15908	15625	15351	15087	14831
26.9000	14576	14321	14075	13838	13601
27.1500	13364	13136	12917	12689	12471
27.4000	12261	12052	11842	11642	11442
27.6500	11251	11051	10869	10677	10495
27.9000	10314	10141	9968	9795	9631
28.1500	9468	9304	9140	8986	8831
28.4000	8677	8531	8386	8241	8104
28.6500	7968	7832	7695	7559	7432
28.9000	7305	7178	7060	6942	6815
29.1500	6706	6588	6479	6361	6252
29.4000	6152	6043	5943	5834	5734
29.6500	5644	5544	5453	5353	5263
29.9000	5172	5090	5000	4918	4827

30.1500	4746	4664	4582	4510
4428				
30.4000	4356	4283	4211	4138
4066				
30.6500	3993	3930	3857	3794
3730				
30.9000	3667	3603	3540	3486
3422				
31.1500	3368	3304	3250	3196
3141				
31.4000	3087	3033	2978	2933
2879				
31.6500	2833	2779	2734	2688
2643				
31.9000	2598	2552	2507	2471
2426				
32.1500	2380	2344	2299	2263
2226				
32.4000	2190	2154	2109	2072
2045				
32.6500	2009	1973	1937	1909
1873				
32.9000	1837	1810	1783	1746
1719				
33.1500	1692	1656	1629	1602
1574				
33.4000	1547	1520	1493	1475
1448				
33.6500	1421	1393	1375	1348
1330				
33.9000	1303	1285	1258	1240
1221				
34.1500	1194	1176	1158	1140
1113				
34.4000	1095	1077	1059	1040
1022				
34.6500	1004	986	977	959
941				
34.9000	923	905	896	878
859				
35.1500	850	832	823	805
796				
35.4000	778	769	751	742
724				
35.6500	715	706	688	678
669				
35.9000	651	642	633	624
615				
36.1500	597	588	579	570
561				

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.			
36.4000	552	543	534	525
516				
36.6500	507	498	488	479
470				
36.9000	461	452	452	443
434				
37.1500	425	416	416	407
398				
37.4000	389	380	380	371
362				
37.6500	362	353	344	344
335				
37.9000	326	326	317	317
308				
38.1500	298	298	289	289
280				
38.4000	280	271	271	262
262				
38.6500	253	253	244	244
235				
38.9000	235	226	226	217
217				
39.1500	217	208	208	199
199				
39.4000	199	190	190	190
181				
39.6500	181	181	172	172
172				
39.9000	163	163	163	154
154				
40.1500	154	145	145	145
145				
40.4000	136	136	136	136
127				
40.6500	127	127	127	118
118				
40.9000	118	118	118	109
109				

41.1500	109	109	99	99
99				
41.4000	99	99	99	90
90				
41.6500	90	90	90	90
81				
41.9000	81	81	81	81
81				
42.1500	72	72	72	72
72				
42.4000	72	72	63	63
63				
42.6500	63	63	63	63
63				
42.9000	63	54	54	54
54				
43.1500	54	54	54	54
54				
43.4000	45	45	45	45
45				
43.6500	45	45	45	45
45				
43.9000	45	45	36	36
36				
44.1500	36	36	36	36
36				
44.4000	36	36	36	36
36				
44.6500	36	36	27	

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
3.4000	0	0	0	0	0
3.6500	18	27	45	72	99
3.9000	145	190	244	308	371
4.1500	452	534	624	733	841
4.4000	950	1077	1212	1357	1502
4.6500	1656	1828	2000	2190	2380
4.9000	2589	2797	3023	3250	3495
5.1500	3748	4011	4274	4555	4845
5.4000	5145	5453	5771	6097	6433
5.6500	6787	7141	7505	7877	8259
5.9000	8650	9049	9459	9877	10304
6.1500	10741	11178	11633	12097	12562
6.4000	13036	13528	14020	14521	15032
6.6500	15534	16045	16556	17067	17579
6.9000	18090	18611	19123	19644	20156
7.1500	20678	21199	21721	22243	22765
7.4000	23287	23819	24341	24873	25405
7.6500	25937	26469	27002	27535	28077
7.9000	28609	29152	29694	30228	30761

8.1500	31295	31829	32372	32906
33459				
8.4000	34021	34593	35183	35792
36410				
8.6500	37056	37712	38395	39098
39819				
8.9000	40559	41317	42095	42900
43716				
9.1500	44559	45403	46256	47110
47964				
9.4000	48810	49655	50483	51302
52102				
9.6500	52893	53685	54468	55260
56062				
9.9000	56874	57714	58582	59479
60414				
10.1500	61368	62360	63390	64458
65573				
10.4000	66736	67947	69215	70540
71913				
10.6500	73343	74850	76405	78037
79728				
10.9000	81514	83377	85337	87384
89529				
11.1500	91789	94157	96652	99321
102185				
11.4000	105263	108547	112077	115949
120378				
11.6500	125803	132909	142775	156825
176645				
11.9000	203879	240109	287168	344794
409824				
12.1500	477573	542759	601202	650841
690988				
12.4000	721897	744538	760137	769913
774942				
12.6500	776107	774125	769542	762807
754314				
12.9000	744442	733452	721565	708955
695770				
13.1500	682145	668167	653897	639398
624741				
13.4000	609976	595137	580251	565362
550518				
13.6500	535718	520973	506306	491751
477294				
13.9000	462981	448777	434725	420813
407075				

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TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
14.1500	393485	380056	366830	353804	340977
14.4000	328367	315993	303872	291961	280318
14.6500	268941	257795	246919	236319	226226
14.9000	216945	208367	200462	193136	186371
15.1500	180064	174220	168777	163693	158954
15.4000	154530	150370	146462	142805	139368
15.6500	136121	133044	130147	127408	124807
15.9000	122346	119993	117749	115613	113566
16.1500	111616	109755	107982	106287	104651
16.4000	103092	101602	100189	98825	97538
16.6500	96309	95128	94014	92940	91922
16.9000	90944	90003	89102	88238	87403
17.1500	86598	85820	85081	84362	83671
17.4000	82999	82355	81731	81126	80540
17.6500	79964	79416	78878	78358	77849
17.9000	77358	76877	76405	75953	75500
18.1500	75057	74624	74191	73767	73352
18.4000	72948	72543	72138	71743	71358
18.6500	70972	70596	70220	69844	69478

18.9000	69111	68745	68388	68031
67684				
19.1500	67327	66980	66633	66295
65948				
19.4000	65611	65273	64936	64608
64270				
19.6500	63942	63615	63287	62959
62631				
19.9000	62313	61986	61668	61349
61031				
20.1500	60713	60395	60087	59769
59461				
20.4000	59162	58863	58573	58293
58022				
20.6500	57761	57499	57247	57005
56771				
20.9000	56538	56323	56109	55904
55698				
21.1500	55503	55316	55130	54952
54775				
21.4000	54608	54449	54281	54132
53983				
21.6500	53834	53685	53545	53415
53275				
21.9000	53145	53014	52893	52772
52651				
22.1500	52530	52418	52307	52195
52083				
22.4000	51981	51879	51776	51674
51571				
22.6500	51469	51376	51283	51181
51088				
22.9000	50995	50911	50818	50725
50641				
23.1500	50557	50464	50381	50297
50213				
23.4000	50130	50046	49972	49888
49804				
23.6500	49730	49646	49572	49488
49414				
23.9000	49339	49256	49181	49088
48968				
24.1500	48782	48475	48048	47481
46776				
24.4000	45969	45078	44123	43123
42095				
24.6500	41067	40041	39033	38035
37065				
24.9000	36115	35201	34307	33450
32611				

TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
25.1500	31810	31037	30292	29575	28867
25.4000	28187	27525	26883	26258	25662
25.6500	25075	24506	23956	23425	22912
25.9000	22408	21932	21456	21007	20568
26.1500	20138	19726	19324	18931	18556
26.4000	18191	17843	17496	17168	16839
26.6500	16528	16227	15935	15652	15379
26.9000	15114	14850	14594	14348	14102
27.1500	13856	13619	13391	13163	12935
27.4000	12717	12498	12280	12070	11861
27.6500	11660	11460	11269	11069	10887
27.9000	10696	10514	10332	10159	9986
28.1500	9813	9640	9477	9313	9159
28.4000	9004	8849	8695	8550	8404
28.6500	8259	8113	7977	7841	7705
28.9000	7577	7441	7314	7196	7069
29.1500	6951	6833	6715	6597	6488
29.4000	6379	6270	6161	6052	5952
29.6500	5852	5753	5653	5553	5462

29.9000	5362	5272	5181	5099
5009				
30.1500	4918	4836	4755	4673
4592				
30.4000	4519	4437	4365	4292
4220				
30.6500	4147	4075	4002	3939
3866				
30.9000	3803	3739	3676	3612
3549				
31.1500	3486	3431	3368	3313
3259				
31.4000	3196	3141	3087	3042
2987				
31.6500	2933	2888	2833	2788
2743				
31.9000	2697	2643	2598	2561
2516				
32.1500	2471	2426	2389	2344
2308				
32.4000	2272	2226	2190	2154
2118				
32.6500	2081	2045	2009	1973
1946				
32.9000	1909	1873	1846	1810
1783				
33.1500	1756	1719	1692	1665
1638				
33.4000	1611	1584	1556	1529
1502				
33.6500	1475	1448	1421	1402
1375				
33.9000	1348	1330	1303	1285
1267				
34.1500	1240	1221	1203	1176
1158				
34.4000	1140	1122	1104	1086
1059				
34.6500	1040	1022	1013	995
977				
34.9000	959	941	923	914
896				
35.1500	878	868	850	832
823				
35.4000	805	796	778	769
751				
35.6500	742	724	715	706
688				
35.9000	678	669	660	642
633				

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
36.1500	624	615	606	588
579				
36.4000	570	561	552	543
534				
36.6500	525	516	507	498
488				
36.9000	479	470	461	461
452				
37.1500	443	434	425	416
416				
37.4000	407	398	389	389
380				
37.6500	371	362	362	353
344				
37.9000	344	335	326	326
317				
38.1500	317	308	298	298
289				
38.4000	289	280	280	271
271				
38.6500	262	262	253	253
244				
38.9000	244	235	235	226
226				
39.1500	226	217	217	208
208				
39.4000	208	199	199	190
190				
39.6500	190	181	181	181
172				
39.9000	172	172	163	163
163				
40.1500	154	154	154	154
145				
40.4000	145	145	136	136
136				
40.6500	136	127	127	127
127				

40.9000	118	118	118	118
41.1500	109	109	109	109
41.4000	99	99	99	99
41.6500	90	90	90	90
41.9000	90	81	81	81
42.1500	81	81	72	72
42.4000	72	72	72	72
42.6500	63	63	63	63
42.9000	63	63	63	54
43.1500	54	54	54	54
43.4000	54	54	45	45
43.6500	45	45	45	45
43.9000	45	45	45	45
44.1500	36	36	36	36
44.4000	36	36	36	36
44.6500	36	36	36	36

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TIME vs. VOLUME (cu.ft)

Time hrs	Output Time increment = .0500 hrs Time on left represents time for first value in each row.				
2.8000	0	0	0	0	0
3.0500	0	27	45	72	99
3.3000	145	199	262	344	425
3.5500	525	633	751	878	1013
3.8000	1167	1321	1493	1674	1873
4.0500	2072	2290	2516	2752	2996
4.3000	3259	3531	3821	4111	4419
4.5500	4746	5072	5417	5780	6143
4.8000	6524	6924	7323	7741	8168
5.0500	8604	9059	9522	9995	10477
5.3000	10978	11487	12006	12535	13081
5.5500	13628	14193	14767	15342	15926
5.8000	16501	17085	17679	18264	18858
6.0500	19452	20056	20650	21254	21858
6.3000	22472	23076	23690	24305	24928
6.5500	25552	26167	26800	27424	28058
6.8000	28692	29326	29961	30596	31221
7.0500	31847	32473	33090	33717	34325
7.3000	34943	35552	36161	36770	37379

7.5500	37989	38589	39190	39791	40392
7.8000	40993	41586	42187	42780	43373
8.0500	43966	44559	45162	45746	46349
8.3000	46952	47565	48197	48838	49507
8.5500	50195	50911	51655	52418	53201
8.8000	54020	54859	55726	56622	57537
9.0500	58480	59451	60433	61424	62426
9.3000	63427	64430	65414	66389	67355
9.5500	68294	69224	70126	71028	71922
9.8000	72816	73729	74671	75632	76622
10.0500	77641	78708	79813	80965	82166
10.3000	83425	84741	86114	87565	89083
10.5500	90659	92312	94014	95804	97662
10.8000	99617	101669	103819	106086	108452
11.0500	110916	113508	116228	119097	122143
11.3000	125377	128849	132579	136597	140905
11.5500	145622	151045	157737	166569	178884
11.8000	196491	221368	256028	303799	366388
12.0500	442424	527784	616594	702187	779279
12.3000	845276	899290	941661	973587	996646
12.5500	1012318	1021935	1026681	1027384	1024754
12.8000	1019347	1011682	1002189	991237	979050
13.0500	965904	951946	937347	922214	906653
13.3000	890705	874463	858004	841367	824605

TIME vs. VOLUME (cu.ft)

Time hrs | Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
13.5500	807732	790810	773861	756896 739950
13.8000	723036	706178	689376	672641 655998
14.0500	639444	622992	606653	590448 574366
14.3000	558440	542679	527095	511707 496514
14.5500	481537	466763	452223	437893 423805
14.8000	409955	396317	382916	369760 356848
15.0500	344164	331728	319547	307587 295876
15.3000	284432	273210	262239	251536 241057
15.5500	230972	221550	212843	204812 197361
15.8000	190463	184054	178091	172539 167357
16.0500	162502	157963	153717	149715 145954
16.3000	142425	139115	135995	133044 130282
16.5500	127678	125233	122925	120745 118683
16.8000	116738	114892	113153	111501 109947
17.0500	108461	107063	105722	104450 103226
17.3000	102061	100953	99884	98873 97900
17.5500	96966	96061	95204	94376 93586
17.8000	92816	92074	91362	90668 89994
18.0500	89339	88703	88086	87479 86891

18.3000	86313	85745	85195	84655
84135				
18.5500	83614	83112	82611	82119
81646				
18.8000	81173	80701	80247	79794
79350				
19.0500	78915	78481	78047	77622
77207				
19.3000	76792	76377	75972	75576
75170				
19.5500	74765	74360	73965	73569
73164				
19.8000	72769	72374	71978	71583
71198				
20.0500	70803	70408	70023	69637
69252				
20.3000	68876	68510	68144	67797
67449				
20.5500	67121	66792	66483	66183
65892				
20.8000	65611	65348	65086	64833
64589				
21.0500	64355	64130	63914	63699
63493				
21.3000	63296	63109	62922	62744
62566				
21.5500	62397	62238	62079	61920
61770				
21.8000	61621	61480	61340	61200
61069				
22.0500	60938	60816	60685	60564
60452				
22.3000	60330	60218	60096	59984
59872				
22.5500	59769	59657	59545	59442
59339				
22.8000	59227	59124	59022	58919
58816				
23.0500	58713	58620	58517	58424
58321				
23.3000	58228	58125	58031	57938
57835				
23.5500	57742	57649	57555	57462
57369				
23.8000	57275	57182	57098	57005
56911				
24.0500	56799	56650	56417	56044
55512				
24.3000	54813	53937	52940	51832
50650				

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
24.5500	49423	48187	46943	45718	44503
24.8000	43308	42141	41012	39902	38830
25.0500	37795	36798	35829	34897	34003
25.3000	33136	32308	31507	30734	29998
25.5500	29280	28582	27911	27250	26616
25.8000	26001	25405	24827	24268	23727
26.0500	23205	22701	22206	21730	21263
26.3000	20815	20376	19955	19553	19159
26.5500	18776	18401	18044	17688	17350
26.8000	17031	16711	16401	16099	15817
27.0500	15534	15260	14996	14740	14494
27.3000	14239	14002	13755	13519	13291
27.5500	13063	12835	12617	12407	12188
27.8000	11979	11779	11578	11378	11187
28.0500	10996	10805	10623	10441	10259
28.3000	10086	9913	9740	9577	9413
28.5500	9249	9095	8931	8786	8631
28.8000	8486	8341	8195	8059	7923
29.0500	7786	7650	7523	7387	7269

29.3000	7141	7014	6896	6778	6660
29.5500	6551	6442	6324	6224	6116
29.8000	6007	5907	5807	5707	5607
30.0500	5517	5417	5326	5235	5145
30.3000	5054	4972	4891	4800	4718
30.5500	4637	4564	4483	4410	4329
30.8000	4256	4184	4111	4038	3975
31.0500	3902	3839	3776	3712	3649
31.3000	3585	3522	3458	3404	3341
31.5500	3286	3232	3177	3123	3069
31.8000	3014	2969	2915	2860	2815
32.0500	2770	2725	2670	2625	2580
32.3000	2543	2498	2453	2407	2371
32.5500	2326	2290	2254	2208	2172
32.8000	2136	2100	2063	2027	1991
33.0500	1964	1928	1891	1864	1828
33.3000	1801	1765	1737	1710	1683
33.5500	1647	1620	1593	1565	1538
33.8000	1511	1493	1466	1439	1412
34.0500	1393	1366	1339	1321	1294
34.3000	1276	1258	1230	1212	1194
34.5500	1167	1149	1131	1113	1095
34.8000	1077	1059	1040	1022	1004
35.0500	986	968	950	932	923
35.3000	905	887	868	859	841

S/N:
PondPack Ver: Compute Time: Date:

TIME vs. VOLUME (cu.ft)

Output Time increment = .0500 hrs

Time hrs	Time on left represents time for first value in each row.			
35.5500	832	814	805	787
35.8000	760	751	733	724
36.0500	697	688	678	660
36.3000	642	633	615	606
36.5500	588	579	570	561
36.8000	543	534	525	516
37.0500	498	488	479	470
37.3000	452	443	434	434
37.5500	416	407	398	398
37.8000	380	380	371	362
38.0500	353	344	335	335
38.3000	326	317	308	308
38.5500	298	289	289	280
38.8000	271	262	262	253
39.0500	244	244	244	235
39.3000	226	226	217	217
39.5500	208	208	199	199
39.8000	190	190	190	181
40.0500	172	172	172	163

40.3000	163	163	154	154	154
40.5500	145	145	145	145	136
40.8000	136	136	136	127	127
41.0500	127	127	118	118	118
41.3000	118	109	109	109	109
41.5500	109	99	99	99	99
41.8000	99	90	90	90	90
42.0500	90	90	81	81	81
42.3000	81	81	81	81	72
42.5500	72	72	72	72	72
42.8000	72	63	63	63	63
43.0500	63	63	63	63	54
43.3000	54	54	54	54	54
43.5500	54	54	54	54	45
43.8000	45	45	45	45	45
44.0500	45	45	45	45	45
44.3000	45	36	36	36	36
44.5500	36	36	36	36	36
44.8000	36	36	36	36	36
45.0500	27	27			

S/N:
PondPack Ver: Compute Time: Date:

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
572.99	-----	1	0	0	0
573.50	-----	5	8	1	1
574.00	-----	357	404	67	69
576.00	-----	9270	11446	7631	7700
578.00	-----	12139	32017	21345	29044
580.00	-----	15415	41233	27489	56533
582.00	-----	19011	51545	34363	90896
583.00	-----	20895	59837	19946	110842

POND VOLUME EQUATIONS

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

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
565.00	-----	5	0	0	0
566.00	-----	5433	5603	1868	1868
568.00	-----	23510	40245	26830	28697
570.00	-----	37034	90051	60034	88732
572.00	-----	63604	149172	99448	188179
574.00	-----	75965	209079	139386	327565

POND VOLUME EQUATIONS

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

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
563.50	-----	5	0	0	0
564.00	-----	2100	2207	368	368
566.00	-----	7659	13769	9180	9548
568.00	-----	10448	27052	18035	27583
570.00	-----	14963	37914	25276	52859

POND VOLUME EQUATIONS

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

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
578.50	-----	1	0	0	0
579.00	-----	5	8	1	1
580.00	-----	1737	1835	612	613
582.00	-----	5151	9879	6586	7199
584.00	-----	9294	21364	14243	21442
586.00	-----	14466	35355	23570	45012
588.00	-----	20238	51814	34543	79555

POND VOLUME EQUATIONS

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

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
546.00	-----	1175	0	0	0
548.00	-----	2289	5104	3403	3403
550.00	-----	3825	9073	6049	9451
552.00	-----	5613	14072	9381	18832
554.00	-----	7657	19826	13217	32050
556.00	-----	9967	26360	17573	49623
558.00	-----	12523	33662	22441	72064
560.00	-----	15541	42015	28010	100074

POND VOLUME EQUATIONS

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

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

Elevation (ft)	Planimeter (sq.in)	Area (sq.ft)	A1+A2+sqr(A1*A2) (sq.ft)	Volume (cu.ft)	Volume Sum (cu.ft)
599.48	-----	148186	0	0	0
600.00	-----	154693	454284	78745	78745
602.00	-----	179758	501206	334138	412883
604.00	-----	197427	565570	377047	789930
606.00	-----	217787	622571	415048	1204977
606.50	-----	221570	659027	109838	1314815

POND VOLUME EQUATIONS

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

Volume = (1/3) * (EL2-EL1) * (Area1 + Area2 + sq.rt.(Area1*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

Name.... Outlet 1

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 599.48 ft
Increment = .10 ft
Max. Elev.= 606.50 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
Inlet Box	OF	--->	TW	599.480	606.500
TW SETUP, DS Channel					

S/N:
PondPack Ver: Compute Time: Date:

OUTLET STRUCTURE INPUT DATA

Structure ID = OF
Structure Type = Inlet Box

# of Openings = 1
Invert Elev. = 599.48 ft
Orifice Area = 14.0000 sq.ft
Orifice Coeff. = .600
Weir Length = 15.00 ft
Weir Coeff. = 3.000
K, Reverse = 1.000
Mannings n = .0000
Kev,Charged Riser = .000
Weir Submergence = No
Orifice H to crest= Yes

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

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
599.48	.00	Free Outfall		
		Weir: H =.00ft		
599.58	1.42	Free Outfall		
		Weir: H =.10ft		
599.68	4.03	Free Outfall		
		Weir: H =.20ft		
599.78	7.39	Free Outfall		
		Weir: H =.30ft		
599.88	11.39	Free Outfall		
		Weir: H =.40ft		
599.98	15.91	Free Outfall		
		Weir: H =.50ft		
600.08	20.91	Free Outfall		
		Weir: H =.60ft		
600.18	26.36	Free Outfall		
		Weir: H =.70ft		
600.28	32.20	Free Outfall		
		Weir: H =.80ft		
600.38	38.42	Free Outfall		
		Weir: H =.90ft		
600.48	45.00	Free Outfall		
		Weir: H =1.00ft		
600.58	51.91	Free Outfall		
		Weir: H =1.10ft		
600.68	59.15	Free Outfall		
		Weir: H =1.20ft		
600.78	66.70	Free Outfall		
		Weir: H =1.30ft		
600.88	74.54	Free Outfall		
		Weir: H =1.40ft		
600.98	82.53	Free Outfall		
		Orifice: H =1.50; Riser orifice equation controlling.		
601.08	85.23	Free Outfall		

Orifice: H =1.60; Riser orifice equation controlling.

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q Tail Water Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
601.18	87.86	Free Outfall		Orifice: H =1.70; Riser orifice equation controlling.
601.28	90.40	Free Outfall		Orifice: H =1.80; Riser orifice equation controlling.
601.38	92.88	Free Outfall		Orifice: H =1.90; Riser orifice equation controlling.
601.48	95.29	Free Outfall		Orifice: H =2.00; Riser orifice equation controlling.
601.58	97.65	Free Outfall		Orifice: H =2.10; Riser orifice equation controlling.
601.68	99.94	Free Outfall		Orifice: H =2.20; Riser orifice equation controlling.
601.78	102.19	Free Outfall		Orifice: H =2.30; Riser orifice equation controlling.
601.88	104.39	Free Outfall		Orifice: H =2.40; Riser orifice equation controlling.
601.98	106.54	Free Outfall		Orifice: H =2.50; Riser orifice equation controlling.
602.08	108.65	Free Outfall		Orifice: H =2.60; Riser orifice equation controlling.
602.18	110.72	Free Outfall		Orifice: H =2.70; Riser orifice equation controlling.
602.28	112.75	Free Outfall		Orifice: H =2.80; Riser orifice equation controlling.
602.38	114.75	Free Outfall		Orifice: H =2.90; Riser orifice equation controlling.
602.48	116.71	Free Outfall		Orifice: H =3.00; Riser orifice equation controlling.
602.58	118.64	Free Outfall		Orifice: H =3.10; Riser orifice equation controlling.
602.68	120.54	Free Outfall		Orifice: H =3.20; Riser orifice equation controlling.
602.78	122.41	Free Outfall		

Orifice: H =3.30; Riser orifice equation controlling.

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 1

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
602.88	124.25	Free Outfall		Orifice: H =3.40; Riser orifice equation controlling.
602.98	126.06	Free Outfall		Orifice: H =3.50; Riser orifice equation controlling.
603.08	127.85	Free Outfall		Orifice: H =3.60; Riser orifice equation controlling.
603.18	129.61	Free Outfall		Orifice: H =3.70; Riser orifice equation controlling.
603.28	131.35	Free Outfall		Orifice: H =3.80; Riser orifice equation controlling.
603.38	133.07	Free Outfall		Orifice: H =3.90; Riser orifice equation controlling.
603.48	134.76	Free Outfall		Orifice: H =4.00; Riser orifice equation controlling.
603.58	136.44	Free Outfall		Orifice: H =4.10; Riser orifice equation controlling.
603.68	138.09	Free Outfall		Orifice: H =4.20; Riser orifice equation controlling.
603.78	139.73	Free Outfall		Orifice: H =4.30; Riser orifice equation controlling.
603.88	141.34	Free Outfall		Orifice: H =4.40; Riser orifice equation controlling.
603.98	142.94	Free Outfall		Orifice: H =4.50; Riser orifice equation controlling.
604.08	144.52	Free Outfall		Orifice: H =4.60; Riser orifice equation controlling.
604.18	146.08	Free Outfall		Orifice: H =4.70; Riser orifice equation controlling.
604.28	147.63	Free Outfall		Orifice: H =4.80; Riser orifice equation controlling.
604.38	149.16	Free Outfall		Orifice: H =4.90; Riser orifice equation controlling.
604.48	150.67	Free Outfall		

Orifice: H =5.00; Riser orifice equation controlling.

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
604.58	152.17	Free Outfall		Orifice: H =5.10; Riser orifice equation controlling.
604.68	153.66	Free Outfall		Orifice: H =5.20; Riser orifice equation controlling.
604.78	155.13	Free Outfall		Orifice: H =5.30; Riser orifice equation controlling.
604.88	156.58	Free Outfall		Orifice: H =5.40; Riser orifice equation controlling.
604.98	158.03	Free Outfall		Orifice: H =5.50; Riser orifice equation controlling.
605.08	159.46	Free Outfall		Orifice: H =5.60; Riser orifice equation controlling.
605.18	160.87	Free Outfall		Orifice: H =5.70; Riser orifice equation controlling.
605.28	162.28	Free Outfall		Orifice: H =5.80; Riser orifice equation controlling.
605.38	163.67	Free Outfall		Orifice: H =5.90; Riser orifice equation controlling.
605.48	165.05	Free Outfall		Orifice: H =6.00; Riser orifice equation controlling.
605.58	166.42	Free Outfall		Orifice: H =6.10; Riser orifice equation controlling.
605.68	167.78	Free Outfall		Orifice: H =6.20; Riser orifice equation controlling.
605.78	169.13	Free Outfall		Orifice: H =6.30; Riser orifice equation controlling.
605.88	170.47	Free Outfall		Orifice: H =6.40; Riser orifice equation controlling.
605.98	171.79	Free Outfall		Orifice: H =6.50; Riser orifice equation controlling.
606.08	173.11	Free Outfall		Orifice: H =6.60; Riser orifice equation controlling.
606.18	174.42	Free Outfall		

Orifice: H =6.70; Riser orifice equation controlling.

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q Tail Water Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
606.28	175.71	Free Outfall		Orifice: H =6.80; Riser orifice equation controlling.
606.38	177.00	Free Outfall		Orifice: H =6.90; Riser orifice equation controlling.
606.48	178.28	Free Outfall		Orifice: H =7.00; Riser orifice equation controlling.
606.50	178.53	Free Outfall		Orifice: H =7.02; Riser orifice equation controlling.

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 1

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
599.48	.00	Free Outfall		OF
599.58	1.42	Free Outfall		OF
599.68	4.03	Free Outfall		OF
599.78	7.39	Free Outfall		OF
599.88	11.39	Free Outfall		OF
599.98	15.91	Free Outfall		OF
600.08	20.91	Free Outfall		OF
600.18	26.36	Free Outfall		OF
600.28	32.20	Free Outfall		OF
600.38	38.42	Free Outfall		OF
600.48	45.00	Free Outfall		OF
600.58	51.91	Free Outfall		OF
600.68	59.15	Free Outfall		OF
600.78	66.70	Free Outfall		OF
600.88	74.54	Free Outfall		OF
600.98	82.53	Free Outfall		OF
601.08	85.23	Free Outfall		OF
601.18	87.86	Free Outfall		OF
601.28	90.40	Free Outfall		OF
601.38	92.88	Free Outfall		OF
601.48	95.29	Free Outfall		OF
601.58	97.65	Free Outfall		OF
601.68	99.94	Free Outfall		OF
601.78	102.19	Free Outfall		OF
601.88	104.39	Free Outfall		OF
601.98	106.54	Free Outfall		OF
602.08	108.65	Free Outfall		OF
602.18	110.72	Free Outfall		OF
602.28	112.75	Free Outfall		OF
602.38	114.75	Free Outfall		OF
602.48	116.71	Free Outfall		OF
602.58	118.64	Free Outfall		OF
602.68	120.54	Free Outfall		OF
602.78	122.41	Free Outfall		OF
602.88	124.25	Free Outfall		OF
602.98	126.06	Free Outfall		OF
603.08	127.85	Free Outfall		OF
603.18	129.61	Free Outfall		OF

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 1

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
603.28	131.35	Free Outfall		OF
603.38	133.07	Free Outfall		OF
603.48	134.76	Free Outfall		OF
603.58	136.44	Free Outfall		OF
603.68	138.09	Free Outfall		OF
603.78	139.73	Free Outfall		OF
603.88	141.34	Free Outfall		OF
603.98	142.94	Free Outfall		OF
604.08	144.52	Free Outfall		OF
604.18	146.08	Free Outfall		OF
604.28	147.63	Free Outfall		OF
604.38	149.16	Free Outfall		OF
604.48	150.67	Free Outfall		OF
604.58	152.17	Free Outfall		OF
604.68	153.66	Free Outfall		OF
604.78	155.13	Free Outfall		OF
604.88	156.58	Free Outfall		OF
604.98	158.03	Free Outfall		OF
605.08	159.46	Free Outfall		OF
605.18	160.87	Free Outfall		OF
605.28	162.28	Free Outfall		OF
605.38	163.67	Free Outfall		OF
605.48	165.05	Free Outfall		OF
605.58	166.42	Free Outfall		OF
605.68	167.78	Free Outfall		OF
605.78	169.13	Free Outfall		OF
605.88	170.47	Free Outfall		OF
605.98	171.79	Free Outfall		OF
606.08	173.11	Free Outfall		OF
606.18	174.42	Free Outfall		OF
606.28	175.71	Free Outfall		OF
606.38	177.00	Free Outfall		OF
606.48	178.28	Free Outfall		OF
606.50	178.53	Free Outfall		OF

Name.... Outlet 2

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 572.99 ft
Increment = .10 ft
Max. Elev.= 583.00 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
Inlet Box	OF	--->	TW	581.290	583.000
Orifice-Circular	LO	--->	TW	572.990	583.000

TW SETUP, DS Channel

S/N:
PondPack Ver: Compute Time: Date:

OUTLET STRUCTURE INPUT DATA

Structure ID = OF
Structure Type = Inlet Box

# of Openings = 1
Invert Elev. = 581.29 ft
Orifice Area = 64.0000 sq.ft
Orifice Coeff. = .600
Weir Length = 32.00 ft
Weir Coeff. = 3.000
K, Reverse = 1.000
Mannings n = .0000
Kev,Charged Riser = .000
Weir Submergence = No
Orifice H to crest= Yes

Structure ID = LO
Structure Type = Orifice-Circular

# of Openings = 1
Invert Elev. = 572.99 ft
Diameter = 24.00 in
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

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
572.99	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.09	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.19	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.29	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.39	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.49	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.59	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.69	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.79	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.89	.00	Free Outfall		HW & TW < Inv.El.=581.290
573.99	.00	Free Outfall		HW & TW < Inv.El.=581.290
574.09	.00	Free Outfall		HW & TW < Inv.El.=581.290
574.19	.00	Free Outfall		HW & TW < Inv.El.=581.290
574.29	.00	Free Outfall		HW & TW < Inv.El.=581.290
574.39	.00	Free Outfall		HW & TW < Inv.El.=581.290
574.49	.00	Free Outfall		HW & TW < Inv.El.=581.290
574.59	.00	Free Outfall		

HW & TW < Inv.El.=581.290

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
574.69	.00	Free Outfall		HW & TW < Inv.El.=581.290
574.79	.00	Free Outfall		HW & TW < Inv.El.=581.290
574.89	.00	Free Outfall		HW & TW < Inv.El.=581.290
574.99	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.09	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.19	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.29	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.39	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.49	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.59	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.69	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.79	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.89	.00	Free Outfall		HW & TW < Inv.El.=581.290
575.99	.00	Free Outfall		HW & TW < Inv.El.=581.290
576.09	.00	Free Outfall		HW & TW < Inv.El.=581.290
576.19	.00	Free Outfall		HW & TW < Inv.El.=581.290
576.29	.00	Free Outfall		

HW & TW < Inv.El.=581.290

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
576.39	.00	Free Outfall		HW & TW < Inv.El.=581.290
576.49	.00	Free Outfall		HW & TW < Inv.El.=581.290
576.59	.00	Free Outfall		HW & TW < Inv.El.=581.290
576.69	.00	Free Outfall		HW & TW < Inv.El.=581.290
576.79	.00	Free Outfall		HW & TW < Inv.El.=581.290
576.89	.00	Free Outfall		HW & TW < Inv.El.=581.290
576.99	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.09	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.19	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.29	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.39	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.49	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.59	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.69	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.79	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.89	.00	Free Outfall		HW & TW < Inv.El.=581.290
577.99	.00	Free Outfall		

HW & TW < Inv.El.=581.290

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q		Tail Water		Notes
WS Elev.	Q	TW Elev	Converge	
ft	cfs	ft	+/-ft	Computation Messages
578.09	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
578.19	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
578.29	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
578.39	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
578.49	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
578.59	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
578.69	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
578.79	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
578.89	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
578.99	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
579.09	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
579.19	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
579.29	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
579.39	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
579.49	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
579.59	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
579.69	.00	Free Outfall		

HW & TW < Inv.El.=581.290

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q		Tail Water		Notes
WS Elev.	Q	TW Elev	Converge	
ft	cfs	ft	+/-ft	Computation Messages
579.79	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
579.89	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
579.99	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.09	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.19	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.29	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.39	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.49	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.59	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.69	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.79	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.89	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
580.99	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
581.09	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
581.19	.00	Free Outfall		
		HW & TW < Inv.El.=581.290		
581.29	.00	Free Outfall		
		Weir: H =.00ft		
581.39	3.04	Free Outfall		

Weir: H =.10ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
581.49	8.59	Free Outfall		Weir: H =.20ft
581.59	15.77	Free Outfall		Weir: H =.30ft
581.69	24.29	Free Outfall		Weir: H =.40ft
581.79	33.94	Free Outfall		Weir: H =.50ft
581.89	44.62	Free Outfall		Weir: H =.60ft
581.99	56.23	Free Outfall		Weir: H =.70ft
582.09	68.69	Free Outfall		Weir: H =.80ft
582.19	81.97	Free Outfall		Weir: H =.90ft
582.29	96.00	Free Outfall		Weir: H =1.00ft
582.39	110.76	Free Outfall		Weir: H =1.10ft
582.49	126.20	Free Outfall		Weir: H =1.20ft
582.59	142.29	Free Outfall		Weir: H =1.30ft
582.69	159.03	Free Outfall		Weir: H =1.40ft
582.79	176.36	Free Outfall		Weir: H =1.50ft
582.89	194.30	Free Outfall		Weir: H =1.60ft
582.99	212.79	Free Outfall		Weir: H =1.70ft
583.00	214.67	Free Outfall		

Weir: H =1.71ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Circular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.99	.00	Free Outfall		Upstream HW & DNstream TW < Inv.El
573.09	.03	Free Outfall		CRIT.DEPTH CONTROL Vh= .003ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
573.19	.18	Free Outfall		CRIT.DEPTH CONTROL Vh= .075ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
573.29	.43	Free Outfall		CRIT.DEPTH CONTROL Vh= .082ft Dcr= .219ft CRIT.DEPTH Hev= .00ft
573.39	.75	Free Outfall		CRIT.DEPTH CONTROL Vh= .088ft Dcr= .312ft CRIT.DEPTH Hev= .00ft
573.49	1.16	Free Outfall		CRIT.DEPTH CONTROL Vh= .126ft Dcr= .375ft CRIT.DEPTH Hev= .00ft
573.59	1.64	Free Outfall		CRIT.DEPTH CONTROL Vh= .162ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
573.69	2.21	Free Outfall		CRIT.DEPTH CONTROL Vh= .186ft Dcr= .515ft CRIT.DEPTH Hev= .00ft
573.79	2.85	Free Outfall		CRIT.DEPTH CONTROL Vh= .207ft Dcr= .593ft CRIT.DEPTH Hev= .00ft
573.89	3.56	Free Outfall		CRIT.DEPTH CONTROL Vh= .245ft Dcr= .656ft CRIT.DEPTH Hev= .00ft
573.99	4.33	Free Outfall		CRIT.DEPTH CONTROL Vh= .266ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
574.09	5.15	Free Outfall		

```
                  CRIT.DEPTH CONTROL  Vh= .303ft  Dcr= .796ft
CRIT.DEPTH Hev= .00ft
   574.19      6.04   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .325ft  Dcr= .875ft
CRIT.DEPTH Hev= .00ft
   574.29      6.98   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .363ft  Dcr= .937ft
CRIT.DEPTH Hev= .00ft
   574.39      7.97   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .401ft  Dcr= 1.000ft
CRIT.DEPTH Hev= .00ft
   574.49      9.01   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .423ft  Dcr= 1.078ft
CRIT.DEPTH Hev= .00ft
   574.59     10.07   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .460ft  Dcr= 1.140ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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Name.... Outlet 2

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Circular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
574.69	11.16	Free Outfall		CRIT.DEPTH CONTROL Vh= .497ft Dcr= 1.203ft CRIT.DEPTH Hev= .00ft
574.79	12.29	Free Outfall		CRIT.DEPTH CONTROL Vh= .535ft Dcr= 1.265ft CRIT.DEPTH Hev= .00ft
574.89	13.44	Free Outfall		CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
574.99	15.12	Free Outfall		H =1.00
575.09	15.86	Free Outfall		H =1.10
575.19	16.56	Free Outfall		H =1.20
575.29	17.24	Free Outfall		H =1.30
575.39	17.89	Free Outfall		H =1.40
575.49	18.52	Free Outfall		H =1.50
575.59	19.13	Free Outfall		H =1.60
575.69	19.71	Free Outfall		H =1.70
575.79	20.29	Free Outfall		H =1.80
575.89	20.84	Free Outfall		H =1.90
575.99	21.38	Free Outfall		H =2.00
576.09	21.91	Free Outfall		H =2.10

576.19 22.43 Free Outfall
H =2.20
576.29 22.93 Free Outfall
H =2.30

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Circular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
576.39	23.42	Free Outfall		
	H =2.40			
576.49	23.91	Free Outfall		
	H =2.50			
576.59	24.38	Free Outfall		
	H =2.60			
576.69	24.85	Free Outfall		
	H =2.70			
576.79	25.30	Free Outfall		
	H =2.80			
576.89	25.75	Free Outfall		
	H =2.90			
576.99	26.19	Free Outfall		
	H =3.00			
577.09	26.62	Free Outfall		
	H =3.10			
577.19	27.05	Free Outfall		
	H =3.20			
577.29	27.47	Free Outfall		
	H =3.30			
577.39	27.88	Free Outfall		
	H =3.40			
577.49	28.29	Free Outfall		
	H =3.50			
577.59	28.69	Free Outfall		
	H =3.60			
577.69	29.09	Free Outfall		
	H =3.70			
577.79	29.48	Free Outfall		
	H =3.80			
577.89	29.86	Free Outfall		
	H =3.90			
577.99	30.24	Free Outfall		

H =4.00

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Circular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
578.09	30.62	Free Outfall		
	H =4.10			
578.19	30.99	Free Outfall		
	H =4.20			
578.29	31.35	Free Outfall		
	H =4.30			
578.39	31.72	Free Outfall		
	H =4.40			
578.49	32.08	Free Outfall		
	H =4.50			
578.59	32.43	Free Outfall		
	H =4.60			
578.69	32.78	Free Outfall		
	H =4.70			
578.79	33.13	Free Outfall		
	H =4.80			
578.89	33.47	Free Outfall		
	H =4.90			
578.99	33.81	Free Outfall		
	H =5.00			
579.09	34.15	Free Outfall		
	H =5.10			
579.19	34.48	Free Outfall		
	H =5.20			
579.29	34.81	Free Outfall		
	H =5.30			
579.39	35.14	Free Outfall		
	H =5.40			
579.49	35.46	Free Outfall		
	H =5.50			
579.59	35.78	Free Outfall		
	H =5.60			
579.69	36.10	Free Outfall		

H =5.70

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 2

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Circular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
579.79	36.42	Free Outfall		
	H =5.80			
579.89	36.73	Free Outfall		
	H =5.90			
579.99	37.04	Free Outfall		
	H =6.00			
580.09	37.35	Free Outfall		
	H =6.10			
580.19	37.65	Free Outfall		
	H =6.20			
580.29	37.95	Free Outfall		
	H =6.30			
580.39	38.25	Free Outfall		
	H =6.40			
580.49	38.55	Free Outfall		
	H =6.50			
580.59	38.85	Free Outfall		
	H =6.60			
580.69	39.14	Free Outfall		
	H =6.70			
580.79	39.43	Free Outfall		
	H =6.80			
580.89	39.72	Free Outfall		
	H =6.90			
580.99	40.01	Free Outfall		
	H =7.00			
581.09	40.29	Free Outfall		
	H =7.10			
581.19	40.57	Free Outfall		
	H =7.20			
581.29	40.85	Free Outfall		
	H =7.30			
581.39	41.13	Free Outfall		

H =7.40

S/N:
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Name.... Outlet 2

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Circular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
581.49	41.41	Free Outfall H =7.50		
581.59	41.68	Free Outfall H =7.60		
581.69	41.96	Free Outfall H =7.70		
581.79	42.23	Free Outfall H =7.80		
581.89	42.50	Free Outfall H =7.90		
581.99	42.77	Free Outfall H =8.00		
582.09	43.03	Free Outfall H =8.10		
582.19	43.30	Free Outfall H =8.20		
582.29	43.56	Free Outfall H =8.30		
582.39	43.82	Free Outfall H =8.40		
582.49	44.08	Free Outfall H =8.50		
582.59	44.34	Free Outfall H =8.60		
582.69	44.60	Free Outfall H =8.70		
582.79	44.85	Free Outfall H =8.80		
582.89	45.11	Free Outfall H =8.90		
582.99	45.36	Free Outfall H =9.00		
583.00	45.39	Free Outfall		

H =9.01

S/N:
PondPack Ver: Compute Time: Date:

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
572.99	.00	Free Outfall		None contributing
573.09	.03	Free Outfall		LO
573.19	.18	Free Outfall		LO
573.29	.43	Free Outfall		LO
573.39	.75	Free Outfall		LO
573.49	1.16	Free Outfall		LO
573.59	1.64	Free Outfall		LO
573.69	2.21	Free Outfall		LO
573.79	2.85	Free Outfall		LO
573.89	3.56	Free Outfall		LO
573.99	4.33	Free Outfall		LO
574.09	5.15	Free Outfall		LO
574.19	6.04	Free Outfall		LO
574.29	6.98	Free Outfall		LO
574.39	7.97	Free Outfall		LO
574.49	9.01	Free Outfall		LO
574.59	10.07	Free Outfall		LO
574.69	11.16	Free Outfall		LO
574.79	12.29	Free Outfall		LO
574.89	13.44	Free Outfall		LO
574.99	15.12	Free Outfall		LO
575.09	15.86	Free Outfall		LO
575.19	16.56	Free Outfall		LO
575.29	17.24	Free Outfall		LO
575.39	17.89	Free Outfall		LO
575.49	18.52	Free Outfall		LO
575.59	19.13	Free Outfall		LO
575.69	19.71	Free Outfall		LO
575.79	20.29	Free Outfall		LO
575.89	20.84	Free Outfall		LO
575.99	21.38	Free Outfall		LO
576.09	21.91	Free Outfall		LO
576.19	22.43	Free Outfall		LO
576.29	22.93	Free Outfall		LO
576.39	23.42	Free Outfall		LO
576.49	23.91	Free Outfall		LO
576.59	24.38	Free Outfall		LO
576.69	24.85	Free Outfall		LO

S/N:
PondPack Ver: Compute Time: Date:

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
576.79	25.30	Free Outfall		LO
576.89	25.75	Free Outfall		LO
576.99	26.19	Free Outfall		LO
577.09	26.62	Free Outfall		LO
577.19	27.05	Free Outfall		LO
577.29	27.47	Free Outfall		LO
577.39	27.88	Free Outfall		LO
577.49	28.29	Free Outfall		LO
577.59	28.69	Free Outfall		LO
577.69	29.09	Free Outfall		LO
577.79	29.48	Free Outfall		LO
577.89	29.86	Free Outfall		LO
577.99	30.24	Free Outfall		LO
578.09	30.62	Free Outfall		LO
578.19	30.99	Free Outfall		LO
578.29	31.35	Free Outfall		LO
578.39	31.72	Free Outfall		LO
578.49	32.08	Free Outfall		LO
578.59	32.43	Free Outfall		LO
578.69	32.78	Free Outfall		LO
578.79	33.13	Free Outfall		LO
578.89	33.47	Free Outfall		LO
578.99	33.81	Free Outfall		LO
579.09	34.15	Free Outfall		LO
579.19	34.48	Free Outfall		LO
579.29	34.81	Free Outfall		LO
579.39	35.14	Free Outfall		LO
579.49	35.46	Free Outfall		LO
579.59	35.78	Free Outfall		LO
579.69	36.10	Free Outfall		LO
579.79	36.42	Free Outfall		LO
579.89	36.73	Free Outfall		LO
579.99	37.04	Free Outfall		LO
580.09	37.35	Free Outfall		LO
580.19	37.65	Free Outfall		LO
580.29	37.95	Free Outfall		LO
580.39	38.25	Free Outfall		LO
580.49	38.55	Free Outfall		LO

S/N:
PondPack Ver: Compute Time: Date:

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
580.59	38.85	Free Outfall		LO
580.69	39.14	Free Outfall		LO
580.79	39.43	Free Outfall		LO
580.89	39.72	Free Outfall		LO
580.99	40.01	Free Outfall		LO
581.09	40.29	Free Outfall		LO
581.19	40.57	Free Outfall		LO
581.29	40.85	Free Outfall		OF +LO
581.39	44.17	Free Outfall		OF +LO
581.49	50.00	Free Outfall		OF +LO
581.59	57.46	Free Outfall		OF +LO
581.69	66.25	Free Outfall		OF +LO
581.79	76.17	Free Outfall		OF +LO
581.89	87.12	Free Outfall		OF +LO
581.99	98.99	Free Outfall		OF +LO
582.09	111.72	Free Outfall		OF +LO
582.19	125.27	Free Outfall		OF +LO
582.29	139.56	Free Outfall		OF +LO
582.39	154.58	Free Outfall		OF +LO
582.49	170.28	Free Outfall		OF +LO
582.59	186.63	Free Outfall		OF +LO
582.69	203.63	Free Outfall		OF +LO
582.79	221.22	Free Outfall		OF +LO
582.89	239.41	Free Outfall		OF +LO
582.99	258.15	Free Outfall		OF +LO
583.00	260.06	Free Outfall		OF +LO

Name.... Outlet 3

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REQUESTED POND WS ELEVATIONS:

Min. Elev.= 565.00 ft
Increment = .10 ft
Max. Elev.= 574.00 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
Culvert-Circular	LF	<--->	TW	565.000	574.000
Culvert-Circular	OF	<--->	TW	570.200	574.000

TW SETUP, DS Channel

S/N:
PondPack Ver: Compute Time: Date:

OUTLET STRUCTURE INPUT DATA

Structure ID	=	LF	
Structure Type	=	Culvert-Circular	
No. Barrels	=	2	
Barrel Diameter	=	27.00	in
Upstream Invert	=	565.00	ft
Dnstream Invert	=	564.00	ft
Horiz. Length	=	70.00	ft
Barrel Length	=	70.01	ft
Barrel Slope	=	.01429	ft/ft

OUTLET CONTROL DATA...

Mannings n	=	.0130	
Ke	=	.7000	(forward entrance loss)
Kb	=	.010607	(per ft of full flow)
Kr	=	.7000	(reverse entrance loss)
HW Convergence	=	.001	+/- ft

INLET CONTROL DATA...

Equation form	=	1	
Inlet Control K	=	.0045	
Inlet Control M	=	2.0000	
Inlet Control c	=	.03170	
Inlet Control Y	=	.6900	
T1 ratio (HW/D)	=	1.088	
T2 ratio (HW/D)	=	1.190	
Slope Factor	=	-.500	

Use unsubmerged inlet control Form 1 equ. below T1 elev.
Use submerged inlet control Form 1 equ. above T2 elev.

In transition zone between unsubmerged and submerged inlet control, interpolate between flows at T1 & T2...
At T1 Elev = 567.45 ft ---> Flow = 20.87 cfs
At T2 Elev = 567.68 ft ---> Flow = 23.86 cfs

OUTLET STRUCTURE INPUT DATA

Structure ID	=	OF	
Structure Type	=	Culvert-Circular	
No. Barrels	=	1	
Barrel Diameter	=	24.00	in
Upstream Invert	=	570.20	ft
Dnstream Invert	=	567.00	ft
Horiz. Length	=	105.00	ft
Barrel Length	=	105.05	ft
Barrel Slope	=	.03048	ft/ft

OUTLET CONTROL DATA...

Mannings n	=	.0130	
Ke	=	.7000	(forward entrance loss)
Kb	=	.012411	(per ft of full flow)
Kr	=	.7000	(reverse entrance loss)
HW Convergence	=	.001	+/- ft

INLET CONTROL DATA...

Equation form	=	1	
Inlet Control K	=	.0045	
Inlet Control M	=	2.0000	
Inlet Control c	=	.03170	
Inlet Control Y	=	.6900	
T1 ratio (HW/D)	=	1.080	
T2 ratio (HW/D)	=	1.182	
Slope Factor	=	-.500	

Use unsubmerged inlet control Form 1 equ. below T1 elev.
Use submerged inlet control Form 1 equ. above T2 elev.

In transition zone between unsubmerged and submerged inlet control, interpolate between flows at T1 & T2...
At T1 Elev = 572.36 ft ---> Flow = 15.55 cfs
At T2 Elev = 572.56 ft ---> Flow = 17.77 cfs

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.10	.06	563.50	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft CRIT.DEPTH Hev= .00ft
565.20	.20	563.50	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.25	.45	563.50	.000	CRIT.DEPTH CONTROL Vh= .047ft Dcr= .141ft CRIT.DEPTH Hev= .00ft
565.30	.66	563.50	.000	CRIT.DEPTH CONTROL Vh= .060ft Dcr= .176ft CRIT.DEPTH Hev= .00ft
565.40	1.15	563.50	.000	CRIT.DEPTH CONTROL Vh= .084ft Dcr= .246ft CRIT.DEPTH Hev= .00ft
565.50	1.53	563.50	.000	CRIT.DEPTH CONTROL Vh= .109ft Dcr= .316ft CRIT.DEPTH Hev= .00ft
565.60	2.55	563.50	.000	CRIT.DEPTH CONTROL Vh= .128ft Dcr= .369ft CRIT.DEPTH Hev= .00ft
565.70	3.50	563.50	.000	CRIT.DEPTH CONTROL Vh= .153ft Dcr= .439ft CRIT.DEPTH Hev= .00ft
565.75	3.78	563.50	.000	CRIT.DEPTH CONTROL Vh= .160ft Dcr= .457ft CRIT.DEPTH Hev= .00ft

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   565.80      4.55    563.50   .000
                   CRIT.DEPTH CONTROL  Vh= .173ft  Dcr= .492ft
CRIT.DEPTH Hev= .00ft
   565.90      5.35    563.50   .000
                   CRIT.DEPTH CONTROL  Vh= .199ft  Dcr= .562ft
CRIT.DEPTH Hev= .00ft
   566.00      6.78    563.50   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft
CRIT.DEPTH Hev= .00ft
   566.10      8.10    563.50   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft
CRIT.DEPTH Hev= .00ft
   566.20      9.50    563.50   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft
CRIT.DEPTH Hev= .00ft

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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.25	10.19	563.50	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft CRIT.DEPTH Hev= .00ft
566.30	11.18	563.50	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft CRIT.DEPTH Hev= .00ft
566.40	12.68	563.50	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft CRIT.DEPTH Hev= .00ft
566.50	14.41	563.50	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft CRIT.DEPTH Hev= .00ft
566.60	16.00	563.50	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft CRIT.DEPTH Hev= .00ft
566.70	17.89	563.50	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft CRIT.DEPTH Hev= .00ft
566.75	18.89	563.50	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft CRIT.DEPTH Hev= .00ft
566.80	19.64	563.50	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft CRIT.DEPTH Hev= .00ft
566.90	21.69	563.50	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft CRIT.DEPTH Hev= .00ft
567.00	23.54	563.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft
CRIT.DEPTH Hev= .00ft
   567.10     25.73    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft
CRIT.DEPTH Hev= .00ft
   567.20     27.74    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft
CRIT.DEPTH Hev= .00ft
   567.25     28.84    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft
CRIT.DEPTH Hev= .00ft
   567.30     29.95    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft
CRIT.DEPTH Hev= .00ft
   567.40     31.86    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft
CRIT.DEPTH Hev= .00ft

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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
567.50	34.02	563.50	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft CRIT.DEPTH Hev= .00ft
567.60	36.17	563.50	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft CRIT.DEPTH Hev= .00ft
567.70	38.39	563.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft CRIT.DEPTH Hev= .00ft
567.75	39.43	563.50	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft CRIT.DEPTH Hev= .00ft
567.80	40.50	563.50	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft CRIT.DEPTH Hev= .00ft
567.90	42.79	563.50	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft CRIT.DEPTH Hev= .00ft
568.00	44.74	563.50	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft CRIT.DEPTH Hev= .00ft
568.10	46.89	563.50	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft CRIT.DEPTH Hev= .00ft
568.20	48.88	563.50	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft CRIT.DEPTH Hev= .00ft
568.25	49.90	563.50	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft
CRIT.DEPTH Hev= .00ft
   568.30     50.92    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	59.96	563.50	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	563.50	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	563.50	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	563.50	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	563.50	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	563.50	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	563.50	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	563.50	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	563.50	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	563.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	563.50	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	563.50	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	563.50	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	563.50	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	563.50	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	563.50	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	563.50	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	563.50	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	563.50	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	563.50	.000	

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                    FULL FLOW...Lfull=60.97ft  Vh=1.926ft  HL=4.520ft Hev=
.00ft
   571.00     89.44    563.50   .000
                    FULL FLOW...Lfull=62.15ft  Vh=1.966ft  HL=4.638ft Hev=
.00ft
   571.10     90.34    563.50   .000
                    FULL FLOW...Lfull=63.07ft  Vh=2.006ft  HL=4.751ft Hev=
.00ft
   571.20     91.22    563.50   .000
                    FULL FLOW...Lfull=63.85ft  Vh=2.045ft  HL=4.862ft Hev=
.00ft
   571.30     92.11    563.50   .000
                    FULL FLOW...Lfull=64.52ft  Vh=2.085ft  HL=4.971ft Hev=
.00ft
   571.40     93.00    563.50   .000
                    FULL FLOW...Lfull=64.98ft  Vh=2.125ft  HL=5.078ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
571.50	93.85	563.50	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	563.50	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	563.50	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	563.50	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	563.50	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	563.50	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	563.50	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	563.50	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	563.50	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	563.50	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 563.50 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 563.50 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 563.50 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 563.50 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 563.50 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	563.50	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	563.50	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	563.50	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	563.50	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	563.50	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	563.50	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	563.50	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	563.50	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	563.50	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	563.50	.000	

FULL FLOW...Lfull=69.15ft Vh=3.139ft HL=7.638ft Hev=
.00ft
574.00 113.74 563.50 .000
FULL FLOW...Lfull=69.18ft Vh=3.179ft HL=7.738ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.10	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.20	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.25	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.30	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.40	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.50	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.60	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.70	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.75	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.00	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.10	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.20	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.25	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El

566.30 .00 563.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 563.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 563.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	563.50	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	563.50	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	563.50	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	563.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	563.50	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	563.50	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	563.50	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	563.50	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	563.50	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	563.50	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	563.50	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	563.50	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	563.50	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	563.50	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	563.50	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    563.50   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    563.50   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    563.50   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    563.50   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    563.50   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    563.50   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	563.50	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	563.50	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	563.50	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	563.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	563.50	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	563.50	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	563.50	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	563.50	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	563.50	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	563.50	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	563.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    563.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.10	.06	563.75	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft CRIT.DEPTH Hev= .00ft
565.20	.20	563.75	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.25	.45	563.75	.000	CRIT.DEPTH CONTROL Vh= .047ft Dcr= .141ft CRIT.DEPTH Hev= .00ft
565.30	.66	563.75	.000	CRIT.DEPTH CONTROL Vh= .060ft Dcr= .176ft CRIT.DEPTH Hev= .00ft
565.40	1.15	563.75	.000	CRIT.DEPTH CONTROL Vh= .084ft Dcr= .246ft CRIT.DEPTH Hev= .00ft
565.50	1.53	563.75	.000	CRIT.DEPTH CONTROL Vh= .109ft Dcr= .316ft CRIT.DEPTH Hev= .00ft
565.60	2.55	563.75	.000	CRIT.DEPTH CONTROL Vh= .128ft Dcr= .369ft CRIT.DEPTH Hev= .00ft
565.70	3.50	563.75	.000	CRIT.DEPTH CONTROL Vh= .153ft Dcr= .439ft CRIT.DEPTH Hev= .00ft
565.75	3.78	563.75	.000	CRIT.DEPTH CONTROL Vh= .160ft Dcr= .457ft CRIT.DEPTH Hev= .00ft

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   565.80      4.55    563.75   .000
                   CRIT.DEPTH CONTROL  Vh= .173ft  Dcr= .492ft
CRIT.DEPTH Hev= .00ft
   565.90      5.35    563.75   .000
                   CRIT.DEPTH CONTROL  Vh= .199ft  Dcr= .562ft
CRIT.DEPTH Hev= .00ft
   566.00      6.78    563.75   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft
CRIT.DEPTH Hev= .00ft
   566.10      8.10    563.75   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft
CRIT.DEPTH Hev= .00ft
   566.20      9.50    563.75   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.25	10.19	563.75	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft CRIT.DEPTH Hev= .00ft
566.30	11.18	563.75	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft CRIT.DEPTH Hev= .00ft
566.40	12.68	563.75	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft CRIT.DEPTH Hev= .00ft
566.50	14.41	563.75	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft CRIT.DEPTH Hev= .00ft
566.60	16.00	563.75	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft CRIT.DEPTH Hev= .00ft
566.70	17.89	563.75	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft CRIT.DEPTH Hev= .00ft
566.75	18.89	563.75	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft CRIT.DEPTH Hev= .00ft
566.80	19.64	563.75	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft CRIT.DEPTH Hev= .00ft
566.90	21.69	563.75	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft CRIT.DEPTH Hev= .00ft
567.00	23.54	563.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft
CRIT.DEPTH Hev= .00ft
   567.10     25.73    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft
CRIT.DEPTH Hev= .00ft
   567.20     27.74    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft
CRIT.DEPTH Hev= .00ft
   567.25     28.84    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft
CRIT.DEPTH Hev= .00ft
   567.30     29.95    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft
CRIT.DEPTH Hev= .00ft
   567.40     31.86    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.50	34.02	563.75	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft CRIT.DEPTH Hev= .00ft
567.60	36.17	563.75	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft CRIT.DEPTH Hev= .00ft
567.70	38.39	563.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft CRIT.DEPTH Hev= .00ft
567.75	39.43	563.75	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft CRIT.DEPTH Hev= .00ft
567.80	40.50	563.75	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft CRIT.DEPTH Hev= .00ft
567.90	42.79	563.75	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft CRIT.DEPTH Hev= .00ft
568.00	44.74	563.75	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft CRIT.DEPTH Hev= .00ft
568.10	46.89	563.75	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft CRIT.DEPTH Hev= .00ft
568.20	48.88	563.75	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft CRIT.DEPTH Hev= .00ft
568.25	49.90	563.75	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft
CRIT.DEPTH Hev= .00ft
   568.30     50.92    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
568.75	59.96	563.75	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	563.75	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	563.75	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	563.75	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	563.75	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	563.75	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	563.75	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	563.75	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	563.75	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	563.75	.000	

```
                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	563.75	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	563.75	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	563.75	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	563.75	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	563.75	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	563.75	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	563.75	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	563.75	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	563.75	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	563.75	.000	

```
                    FULL FLOW...Lfull=60.97ft  Vh=1.926ft  HL=4.520ft Hev=
.00ft
   571.00     89.44    563.75   .000
                    FULL FLOW...Lfull=62.15ft  Vh=1.966ft  HL=4.638ft Hev=
.00ft
   571.10     90.34    563.75   .000
                    FULL FLOW...Lfull=63.07ft  Vh=2.006ft  HL=4.751ft Hev=
.00ft
   571.20     91.22    563.75   .000
                    FULL FLOW...Lfull=63.85ft  Vh=2.045ft  HL=4.862ft Hev=
.00ft
   571.30     92.11    563.75   .000
                    FULL FLOW...Lfull=64.52ft  Vh=2.085ft  HL=4.971ft Hev=
.00ft
   571.40     93.00    563.75   .000
                    FULL FLOW...Lfull=64.98ft  Vh=2.125ft  HL=5.078ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
571.50	93.85	563.75	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	563.75	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	563.75	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	563.75	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	563.75	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	563.75	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	563.75	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	563.75	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	563.75	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	563.75	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 563.75 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 563.75 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 563.75 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 563.75 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 563.75 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	563.75	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	563.75	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	563.75	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	563.75	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	563.75	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	563.75	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	563.75	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	563.75	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	563.75	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	563.75	.000	

FULL FLOW...Lfull=69.15ft Vh=3.139ft HL=7.638ft Hev=
.00ft
574.00 113.74 563.75 .000
FULL FLOW...Lfull=69.18ft Vh=3.179ft HL=7.738ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q		Tail Water		Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
565.00	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.10	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.20	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.25	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.30	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.40	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.50	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.60	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.70	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.75	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.00	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.10	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.20	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.25	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El

566.30 .00 563.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.40	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 563.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 563.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
569.25	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	563.75	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	563.75	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	563.75	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	563.75	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	563.75	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	563.75	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	563.75	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	563.75	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	563.75	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	563.75	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	563.75	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	563.75	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	563.75	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	563.75	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	563.75	.000	

```
                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    563.75   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    563.75   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    563.75   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    563.75   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    563.75   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    563.75   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	563.75	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	563.75	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	563.75	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	563.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	563.75	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	563.75	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	563.75	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	563.75	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	563.75	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	563.75	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	563.75	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    563.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.10	.06	564.00	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft CRIT.DEPTH Hev= .00ft
565.20	.20	564.00	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.25	.45	564.00	.000	CRIT.DEPTH CONTROL Vh= .047ft Dcr= .141ft CRIT.DEPTH Hev= .00ft
565.30	.66	564.00	.000	CRIT.DEPTH CONTROL Vh= .060ft Dcr= .176ft CRIT.DEPTH Hev= .00ft
565.40	1.15	564.00	.000	CRIT.DEPTH CONTROL Vh= .084ft Dcr= .246ft CRIT.DEPTH Hev= .00ft
565.50	1.53	564.00	.000	CRIT.DEPTH CONTROL Vh= .109ft Dcr= .316ft CRIT.DEPTH Hev= .00ft
565.60	2.55	564.00	.000	CRIT.DEPTH CONTROL Vh= .128ft Dcr= .369ft CRIT.DEPTH Hev= .00ft
565.70	3.50	564.00	.000	CRIT.DEPTH CONTROL Vh= .153ft Dcr= .439ft CRIT.DEPTH Hev= .00ft
565.75	3.78	564.00	.000	CRIT.DEPTH CONTROL Vh= .160ft Dcr= .457ft CRIT.DEPTH Hev= .00ft

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   565.80      4.55    564.00   .000
                   CRIT.DEPTH CONTROL  Vh= .173ft  Dcr= .492ft
CRIT.DEPTH Hev= .00ft
   565.90      5.35    564.00   .000
                   CRIT.DEPTH CONTROL  Vh= .199ft  Dcr= .562ft
CRIT.DEPTH Hev= .00ft
   566.00      6.78    564.00   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft
CRIT.DEPTH Hev= .00ft
   566.10      8.10    564.00   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft
CRIT.DEPTH Hev= .00ft
   566.20      9.50    564.00   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.25	10.19	564.00	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft CRIT.DEPTH Hev= .00ft
566.30	11.18	564.00	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft CRIT.DEPTH Hev= .00ft
566.40	12.68	564.00	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft CRIT.DEPTH Hev= .00ft
566.50	14.41	564.00	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft CRIT.DEPTH Hev= .00ft
566.60	16.00	564.00	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft CRIT.DEPTH Hev= .00ft
566.70	17.89	564.00	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft CRIT.DEPTH Hev= .00ft
566.75	18.89	564.00	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft CRIT.DEPTH Hev= .00ft
566.80	19.64	564.00	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft CRIT.DEPTH Hev= .00ft
566.90	21.69	564.00	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft CRIT.DEPTH Hev= .00ft
567.00	23.54	564.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft
CRIT.DEPTH Hev= .00ft
   567.10     25.73    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft
CRIT.DEPTH Hev= .00ft
   567.20     27.74    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft
CRIT.DEPTH Hev= .00ft
   567.25     28.84    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft
CRIT.DEPTH Hev= .00ft
   567.30     29.95    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft
CRIT.DEPTH Hev= .00ft
   567.40     31.86    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
567.50	34.02	564.00	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft CRIT.DEPTH Hev= .00ft
567.60	36.17	564.00	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft CRIT.DEPTH Hev= .00ft
567.70	38.39	564.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft CRIT.DEPTH Hev= .00ft
567.75	39.43	564.00	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft CRIT.DEPTH Hev= .00ft
567.80	40.50	564.00	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft CRIT.DEPTH Hev= .00ft
567.90	42.79	564.00	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft CRIT.DEPTH Hev= .00ft
568.00	44.74	564.00	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft CRIT.DEPTH Hev= .00ft
568.10	46.89	564.00	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft CRIT.DEPTH Hev= .00ft
568.20	48.88	564.00	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft CRIT.DEPTH Hev= .00ft
568.25	49.90	564.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft
CRIT.DEPTH Hev= .00ft
   568.30     50.92    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
568.75	59.96	564.00	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	564.00	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	564.00	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	564.00	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	564.00	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	564.00	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	564.00	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	564.00	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	564.00	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	564.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	564.00	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	564.00	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	564.00	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	564.00	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	564.00	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	564.00	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	564.00	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	564.00	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	564.00	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	564.00	.000	

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                    FULL FLOW...Lfull=60.97ft  Vh=1.926ft  HL=4.520ft Hev=
.00ft
   571.00     89.44    564.00   .000
                    FULL FLOW...Lfull=62.15ft  Vh=1.966ft  HL=4.638ft Hev=
.00ft
   571.10     90.34    564.00   .000
                    FULL FLOW...Lfull=63.07ft  Vh=2.006ft  HL=4.751ft Hev=
.00ft
   571.20     91.22    564.00   .000
                    FULL FLOW...Lfull=63.85ft  Vh=2.045ft  HL=4.862ft Hev=
.00ft
   571.30     92.11    564.00   .000
                    FULL FLOW...Lfull=64.52ft  Vh=2.085ft  HL=4.971ft Hev=
.00ft
   571.40     93.00    564.00   .000
                    FULL FLOW...Lfull=64.98ft  Vh=2.125ft  HL=5.078ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.85	564.00	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	564.00	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	564.00	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	564.00	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	564.00	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	564.00	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	564.00	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	564.00	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	564.00	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	564.00	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 564.00 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 564.00 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 564.00 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 564.00 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 564.00 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	564.00	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	564.00	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	564.00	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	564.00	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	564.00	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	564.00	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	564.00	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	564.00	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	564.00	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	564.00	.000	

FULL FLOW...Lfull=69.15ft Vh=3.139ft HL=7.638ft Hev=
.00ft
574.00 113.74 564.00 .000
FULL FLOW...Lfull=69.18ft Vh=3.179ft HL=7.738ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.10	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.20	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.25	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.30	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.40	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.50	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.60	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.70	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.75	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.00	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.10	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.20	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.25	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El

566.30 .00 564.00 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 564.00 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 564.00 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	564.00	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	564.00	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	564.00	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	564.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
570.80	1.23	564.00	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	564.00	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	564.00	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	564.00	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	564.00	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	564.00	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	564.00	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	564.00	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	564.00	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	564.00	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	564.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    564.00   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    564.00   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    564.00   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    564.00   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    564.00   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    564.00   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	564.00	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	564.00	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	564.00	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	564.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	564.00	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	564.00	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	564.00	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	564.00	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	564.00	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	564.00	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	564.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    564.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
565.00	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.10	.06	564.25	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.20	.20	564.25	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.25	.45	564.25	.000	CRIT.DEPTH CONTROL Vh= .047ft Dcr= .141ft H.JUMP IN PIPE Hev= .00ft
565.30	.66	564.25	.000	CRIT.DEPTH CONTROL Vh= .060ft Dcr= .176ft H.JUMP IN PIPE Hev= .00ft
565.40	1.15	564.25	.000	CRIT.DEPTH CONTROL Vh= .084ft Dcr= .246ft H.JUMP IN PIPE Hev= .00ft
565.50	1.53	564.25	.000	CRIT.DEPTH CONTROL Vh= .109ft Dcr= .316ft CRIT.DEPTH Hev= .00ft
565.60	2.55	564.25	.000	CRIT.DEPTH CONTROL Vh= .128ft Dcr= .369ft CRIT.DEPTH Hev= .00ft
565.70	3.50	564.25	.000	CRIT.DEPTH CONTROL Vh= .153ft Dcr= .439ft CRIT.DEPTH Hev= .00ft
565.75	3.78	564.25	.000	CRIT.DEPTH CONTROL Vh= .160ft Dcr= .457ft CRIT.DEPTH Hev= .00ft

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   565.80      4.55    564.25   .000
                   CRIT.DEPTH CONTROL  Vh= .173ft  Dcr= .492ft
CRIT.DEPTH Hev= .00ft
   565.90      5.35    564.25   .000
                   CRIT.DEPTH CONTROL  Vh= .199ft  Dcr= .562ft
CRIT.DEPTH Hev= .00ft
   566.00      6.78    564.25   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft
CRIT.DEPTH Hev= .00ft
   566.10      8.10    564.25   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft
CRIT.DEPTH Hev= .00ft
   566.20      9.50    564.25   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft
CRIT.DEPTH Hev= .00ft

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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.25	10.19	564.25	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft CRIT.DEPTH Hev= .00ft
566.30	11.18	564.25	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft CRIT.DEPTH Hev= .00ft
566.40	12.68	564.25	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft CRIT.DEPTH Hev= .00ft
566.50	14.41	564.25	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft CRIT.DEPTH Hev= .00ft
566.60	16.00	564.25	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft CRIT.DEPTH Hev= .00ft
566.70	17.89	564.25	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft CRIT.DEPTH Hev= .00ft
566.75	18.89	564.25	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft CRIT.DEPTH Hev= .00ft
566.80	19.64	564.25	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft CRIT.DEPTH Hev= .00ft
566.90	21.69	564.25	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft CRIT.DEPTH Hev= .00ft
567.00	23.54	564.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft
CRIT.DEPTH Hev= .00ft
   567.10     25.73    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft
CRIT.DEPTH Hev= .00ft
   567.20     27.74    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft
CRIT.DEPTH Hev= .00ft
   567.25     28.84    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft
CRIT.DEPTH Hev= .00ft
   567.30     29.95    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft
CRIT.DEPTH Hev= .00ft
   567.40     31.86    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft
CRIT.DEPTH Hev= .00ft

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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
567.50	34.02	564.25	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft CRIT.DEPTH Hev= .00ft
567.60	36.17	564.25	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft CRIT.DEPTH Hev= .00ft
567.70	38.39	564.25	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft CRIT.DEPTH Hev= .00ft
567.75	39.43	564.25	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft CRIT.DEPTH Hev= .00ft
567.80	40.50	564.25	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft CRIT.DEPTH Hev= .00ft
567.90	42.79	564.25	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft CRIT.DEPTH Hev= .00ft
568.00	44.74	564.25	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft CRIT.DEPTH Hev= .00ft
568.10	46.89	564.25	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft CRIT.DEPTH Hev= .00ft
568.20	48.88	564.25	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft CRIT.DEPTH Hev= .00ft
568.25	49.90	564.25	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft
CRIT.DEPTH Hev= .00ft
   568.30     50.92    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

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   PondPack Ver:                  Compute Time:             Date:
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Name.... Outlet 3

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	59.96	564.25	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	564.25	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	564.25	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	564.25	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	564.25	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	564.25	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	564.25	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	564.25	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	564.25	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	564.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	564.25	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	564.25	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	564.25	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	564.25	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	564.25	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	564.25	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	564.25	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	564.25	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	564.25	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	564.25	.000	

FULL FLOW...Lfull=60.97ft Vh=1.926ft HL=4.520ft Hev=
.00ft
571.00 89.44 564.25 .000
FULL FLOW...Lfull=62.15ft Vh=1.966ft HL=4.638ft Hev=
.00ft
571.10 90.34 564.25 .000
FULL FLOW...Lfull=63.07ft Vh=2.006ft HL=4.751ft Hev=
.00ft
571.20 91.22 564.25 .000
FULL FLOW...Lfull=63.85ft Vh=2.045ft HL=4.862ft Hev=
.00ft
571.30 92.11 564.25 .000
FULL FLOW...Lfull=64.52ft Vh=2.085ft HL=4.971ft Hev=
.00ft
571.40 93.00 564.25 .000
FULL FLOW...Lfull=64.98ft Vh=2.125ft HL=5.078ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.85	564.25	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	564.25	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	564.25	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	564.25	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	564.25	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	564.25	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	564.25	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	564.25	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	564.25	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	564.25	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 564.25 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 564.25 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 564.25 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 564.25 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 564.25 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	564.25	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	564.25	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	564.25	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	564.25	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	564.25	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	564.25	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	564.25	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	564.25	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	564.25	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	564.25	.000	

FULL FLOW...Lfull=69.15ft Vh=3.139ft HL=7.638ft Hev=
.00ft
574.00 113.74 564.25 .000
FULL FLOW...Lfull=69.18ft Vh=3.179ft HL=7.738ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.10	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.20	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.25	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.30	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.40	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.50	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.60	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.70	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.75	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.00	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.10	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.20	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.25	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El

566.30 .00 564.25 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.40	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 564.25 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 564.25 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	564.25	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	564.25	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	564.25	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	564.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	564.25	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	564.25	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	564.25	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	564.25	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	564.25	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	564.25	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	564.25	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	564.25	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	564.25	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	564.25	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	564.25	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    564.25   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    564.25   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    564.25   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    564.25   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    564.25   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    564.25   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	564.25	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	564.25	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	564.25	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	564.25	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	564.25	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	564.25	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	564.25	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	564.25	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	564.25	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	564.25	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	564.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    564.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.10	.06	564.50	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.20	.20	564.50	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.25	.45	564.50	.000	CRIT.DEPTH CONTROL Vh= .047ft Dcr= .141ft H.JUMP IN PIPE Hev= .00ft
565.30	.66	564.50	.000	CRIT.DEPTH CONTROL Vh= .060ft Dcr= .176ft H.JUMP IN PIPE Hev= .00ft
565.40	1.15	564.50	.000	CRIT.DEPTH CONTROL Vh= .084ft Dcr= .246ft H.JUMP IN PIPE Hev= .00ft
565.50	1.53	564.50	.000	CRIT.DEPTH CONTROL Vh= .109ft Dcr= .316ft H.JUMP IN PIPE Hev= .00ft
565.60	2.55	564.50	.000	CRIT.DEPTH CONTROL Vh= .128ft Dcr= .369ft H.JUMP IN PIPE Hev= .00ft
565.70	3.50	564.50	.000	CRIT.DEPTH CONTROL Vh= .153ft Dcr= .439ft H.JUMP IN PIPE Hev= .00ft
565.75	3.78	564.50	.000	CRIT.DEPTH CONTROL Vh= .160ft Dcr= .457ft H.JUMP IN PIPE Hev= .00ft

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   565.80      4.55    564.50   .000
                   CRIT.DEPTH CONTROL  Vh= .173ft  Dcr= .492ft  H.JUMP IN
PIPE Hev= .00ft
   565.90      5.35    564.50   .000
                   CRIT.DEPTH CONTROL  Vh= .199ft  Dcr= .562ft
CRIT.DEPTH Hev= .00ft
   566.00      6.78    564.50   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft
CRIT.DEPTH Hev= .00ft
   566.10      8.10    564.50   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft
CRIT.DEPTH Hev= .00ft
   566.20      9.50    564.50   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.25	10.19	564.50	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft CRIT.DEPTH Hev= .00ft
566.30	11.18	564.50	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft CRIT.DEPTH Hev= .00ft
566.40	12.68	564.50	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft CRIT.DEPTH Hev= .00ft
566.50	14.41	564.50	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft CRIT.DEPTH Hev= .00ft
566.60	16.00	564.50	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft CRIT.DEPTH Hev= .00ft
566.70	17.89	564.50	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft CRIT.DEPTH Hev= .00ft
566.75	18.89	564.50	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft CRIT.DEPTH Hev= .00ft
566.80	19.64	564.50	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft CRIT.DEPTH Hev= .00ft
566.90	21.69	564.50	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft CRIT.DEPTH Hev= .00ft
567.00	23.54	564.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft
CRIT.DEPTH Hev= .00ft
   567.10     25.73    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft
CRIT.DEPTH Hev= .00ft
   567.20     27.74    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft
CRIT.DEPTH Hev= .00ft
   567.25     28.84    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft
CRIT.DEPTH Hev= .00ft
   567.30     29.95    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft
CRIT.DEPTH Hev= .00ft
   567.40     31.86    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
567.50	34.02	564.50	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft CRIT.DEPTH Hev= .00ft
567.60	36.17	564.50	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft CRIT.DEPTH Hev= .00ft
567.70	38.39	564.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft CRIT.DEPTH Hev= .00ft
567.75	39.43	564.50	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft CRIT.DEPTH Hev= .00ft
567.80	40.50	564.50	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft CRIT.DEPTH Hev= .00ft
567.90	42.79	564.50	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft CRIT.DEPTH Hev= .00ft
568.00	44.74	564.50	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft CRIT.DEPTH Hev= .00ft
568.10	46.89	564.50	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft CRIT.DEPTH Hev= .00ft
568.20	48.88	564.50	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft CRIT.DEPTH Hev= .00ft
568.25	49.90	564.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft
CRIT.DEPTH Hev= .00ft
   568.30     50.92    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
568.75	59.96	564.50	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	564.50	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	564.50	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	564.50	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	564.50	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	564.50	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	564.50	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	564.50	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	564.50	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	564.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	564.50	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	564.50	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	564.50	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	564.50	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	564.50	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	564.50	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	564.50	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	564.50	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	564.50	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	564.50	.000	

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                    FULL FLOW...Lfull=60.97ft  Vh=1.926ft  HL=4.520ft Hev=
.00ft
   571.00     89.44    564.50   .000
                    FULL FLOW...Lfull=62.15ft  Vh=1.966ft  HL=4.638ft Hev=
.00ft
   571.10     90.34    564.50   .000
                    FULL FLOW...Lfull=63.07ft  Vh=2.006ft  HL=4.751ft Hev=
.00ft
   571.20     91.22    564.50   .000
                    FULL FLOW...Lfull=63.85ft  Vh=2.045ft  HL=4.862ft Hev=
.00ft
   571.30     92.11    564.50   .000
                    FULL FLOW...Lfull=64.52ft  Vh=2.085ft  HL=4.971ft Hev=
.00ft
   571.40     93.00    564.50   .000
                    FULL FLOW...Lfull=64.98ft  Vh=2.125ft  HL=5.078ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.85	564.50	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	564.50	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	564.50	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	564.50	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	564.50	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	564.50	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	564.50	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	564.50	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	564.50	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	564.50	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 564.50 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 564.50 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 564.50 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 564.50 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 564.50 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	564.50	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	564.50	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	564.50	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	564.50	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	564.50	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	564.50	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	564.50	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	564.50	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	564.50	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	564.50	.000	

FULL FLOW...Lfull=69.15ft Vh=3.139ft HL=7.638ft Hev=
.00ft
574.00 113.74 564.50 .000
FULL FLOW...Lfull=69.18ft Vh=3.179ft HL=7.738ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.10	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.20	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.25	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.30	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.40	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.50	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.60	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.70	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.75	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.00	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.10	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.20	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.25	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El

566.30 .00 564.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 564.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 564.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	564.50	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	564.50	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	564.50	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	564.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	564.50	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	564.50	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	564.50	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	564.50	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	564.50	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	564.50	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	564.50	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	564.50	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	564.50	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	564.50	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	564.50	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    564.50   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    564.50   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    564.50   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    564.50   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    564.50   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    564.50   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	564.50	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	564.50	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	564.50	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	564.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	564.50	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	564.50	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	564.50	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	564.50	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	564.50	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	564.50	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	564.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    564.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.10	.06	564.75	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.20	.20	564.75	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.25	.45	564.75	.000	CRIT.DEPTH CONTROL Vh= .047ft Dcr= .141ft H.JUMP IN PIPE Hev= .00ft
565.30	.66	564.75	.000	CRIT.DEPTH CONTROL Vh= .060ft Dcr= .176ft H.JUMP IN PIPE Hev= .00ft
565.40	1.15	564.75	.000	CRIT.DEPTH CONTROL Vh= .084ft Dcr= .246ft H.JUMP IN PIPE Hev= .00ft
565.50	1.53	564.75	.000	CRIT.DEPTH CONTROL Vh= .109ft Dcr= .316ft H.JUMP IN PIPE Hev= .00ft
565.60	2.55	564.75	.000	CRIT.DEPTH CONTROL Vh= .128ft Dcr= .369ft H.JUMP IN PIPE Hev= .00ft
565.70	3.50	564.75	.000	CRIT.DEPTH CONTROL Vh= .153ft Dcr= .439ft H.JUMP IN PIPE Hev= .00ft
565.75	3.78	564.75	.000	CRIT.DEPTH CONTROL Vh= .160ft Dcr= .457ft H.JUMP IN PIPE Hev= .00ft

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   565.80      4.55    564.75   .000
                   CRIT.DEPTH CONTROL  Vh= .173ft  Dcr= .492ft  H.JUMP IN
PIPE Hev= .00ft
   565.90      5.35    564.75   .000
                   CRIT.DEPTH CONTROL  Vh= .199ft  Dcr= .562ft  H.JUMP IN
PIPE Hev= .00ft
   566.00      6.78    564.75   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft  H.JUMP IN
PIPE Hev= .00ft
   566.10      8.10    564.75   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft  H.JUMP IN
PIPE Hev= .00ft
   566.20      9.50    564.75   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.25	10.19	564.75	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft CRIT.DEPTH Hev= .00ft
566.30	11.18	564.75	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft CRIT.DEPTH Hev= .00ft
566.40	12.68	564.75	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft CRIT.DEPTH Hev= .00ft
566.50	14.41	564.75	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft CRIT.DEPTH Hev= .00ft
566.60	16.00	564.75	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft CRIT.DEPTH Hev= .00ft
566.70	17.89	564.75	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft CRIT.DEPTH Hev= .00ft
566.75	18.89	564.75	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft CRIT.DEPTH Hev= .00ft
566.80	19.64	564.75	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft CRIT.DEPTH Hev= .00ft
566.90	21.69	564.75	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft CRIT.DEPTH Hev= .00ft
567.00	23.54	564.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft
CRIT.DEPTH Hev= .00ft
   567.10     25.73    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft
CRIT.DEPTH Hev= .00ft
   567.20     27.74    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft
CRIT.DEPTH Hev= .00ft
   567.25     28.84    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft
CRIT.DEPTH Hev= .00ft
   567.30     29.95    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft
CRIT.DEPTH Hev= .00ft
   567.40     31.86    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
567.50	34.02	564.75	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft CRIT.DEPTH Hev= .00ft
567.60	36.17	564.75	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft CRIT.DEPTH Hev= .00ft
567.70	38.39	564.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft CRIT.DEPTH Hev= .00ft
567.75	39.43	564.75	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft CRIT.DEPTH Hev= .00ft
567.80	40.50	564.75	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft CRIT.DEPTH Hev= .00ft
567.90	42.79	564.75	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft CRIT.DEPTH Hev= .00ft
568.00	44.74	564.75	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft CRIT.DEPTH Hev= .00ft
568.10	46.89	564.75	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft CRIT.DEPTH Hev= .00ft
568.20	48.88	564.75	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft CRIT.DEPTH Hev= .00ft
568.25	49.90	564.75	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft
CRIT.DEPTH Hev= .00ft
   568.30     50.92    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
568.75	59.96	564.75	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	564.75	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	564.75	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	564.75	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	564.75	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	564.75	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	564.75	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	564.75	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	564.75	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	564.75	.000	

CRIT.DEPTH CONTROL Vh= 1.448ft Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
569.60 74.74 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.498ft Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
569.70 76.18 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.543ft Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
569.75 77.09 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.572ft Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
569.80 77.69 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.602ft Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
569.90 79.68 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.657ft Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	564.75	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	564.75	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	564.75	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	564.75	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	564.75	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	564.75	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	564.75	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	564.75	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	564.75	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	564.75	.000	

FULL FLOW...Lfull=60.97ft Vh=1.926ft HL=4.520ft Hev=
.00ft
571.00 89.44 564.75 .000
FULL FLOW...Lfull=62.15ft Vh=1.966ft HL=4.638ft Hev=
.00ft
571.10 90.34 564.75 .000
FULL FLOW...Lfull=63.07ft Vh=2.006ft HL=4.751ft Hev=
.00ft
571.20 91.22 564.75 .000
FULL FLOW...Lfull=63.85ft Vh=2.045ft HL=4.862ft Hev=
.00ft
571.30 92.11 564.75 .000
FULL FLOW...Lfull=64.52ft Vh=2.085ft HL=4.971ft Hev=
.00ft
571.40 93.00 564.75 .000
FULL FLOW...Lfull=64.98ft Vh=2.125ft HL=5.078ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.85	564.75	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	564.75	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	564.75	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	564.75	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	564.75	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	564.75	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	564.75	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	564.75	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	564.75	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	564.75	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 564.75 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 564.75 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 564.75 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 564.75 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 564.75 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	564.75	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	564.75	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	564.75	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	564.75	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	564.75	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	564.75	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	564.75	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	564.75	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	564.75	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	564.75	.000	

FULL FLOW...Lfull=69.15ft Vh=3.139ft HL=7.638ft Hev=
.00ft
574.00 113.74 564.75 .000
FULL FLOW...Lfull=69.18ft Vh=3.179ft HL=7.738ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.10	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.20	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.25	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.30	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.40	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.50	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.60	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.70	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.75	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.00	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.10	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.20	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.25	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El

566.30 .00 564.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 564.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q		Tail Water		Notes
WS Elev.	Q	TW Elev	Converge	
ft	cfs	ft	+/-ft	Computation Messages
567.80	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 564.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
569.25	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	564.75	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	564.75	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	564.75	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	564.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
570.80	1.23	564.75	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	564.75	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	564.75	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	564.75	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	564.75	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	564.75	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	564.75	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	564.75	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	564.75	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	564.75	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	564.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    564.75   .000
                  CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	564.75	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	564.75	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	564.75	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	564.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	564.75	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	564.75	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	564.75	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	564.75	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	564.75	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	564.75	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	564.75	.000	

CRIT.DEPTH CONTROL Vh= .959ft Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
573.60 22.83 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.001ft Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
573.70 23.61 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.039ft Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
573.80 24.40 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.090ft Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
573.90 25.15 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.138ft Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
574.00 25.79 564.75 .000
CRIT.DEPTH CONTROL Vh= 1.192ft Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.10	.06	565.00	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.20	.20	565.00	.000	CRIT.DEPTH CONTROL Vh= .024ft Dcr= .070ft H.JUMP IN PIPE Hev= .00ft
565.25	.45	565.00	.000	CRIT.DEPTH CONTROL Vh= .047ft Dcr= .141ft H.JUMP IN PIPE Hev= .00ft
565.30	.66	565.00	.000	CRIT.DEPTH CONTROL Vh= .060ft Dcr= .176ft H.JUMP IN PIPE Hev= .00ft
565.40	1.15	565.00	.000	CRIT.DEPTH CONTROL Vh= .084ft Dcr= .246ft H.JUMP IN PIPE Hev= .00ft
565.50	1.53	565.00	.000	CRIT.DEPTH CONTROL Vh= .109ft Dcr= .316ft H.JUMP IN PIPE Hev= .00ft
565.60	2.55	565.00	.000	CRIT.DEPTH CONTROL Vh= .128ft Dcr= .369ft H.JUMP IN PIPE Hev= .00ft
565.70	3.50	565.00	.000	CRIT.DEPTH CONTROL Vh= .153ft Dcr= .439ft H.JUMP IN PIPE Hev= .00ft
565.75	3.78	565.00	.000	CRIT.DEPTH CONTROL Vh= .160ft Dcr= .457ft H.JUMP IN PIPE Hev= .00ft

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   565.80      4.55    565.00   .000
                   CRIT.DEPTH CONTROL  Vh= .173ft  Dcr= .492ft  H.JUMP IN
PIPE Hev= .00ft
   565.90      5.35    565.00   .000
                   CRIT.DEPTH CONTROL  Vh= .199ft  Dcr= .562ft  H.JUMP IN
PIPE Hev= .00ft
   566.00      6.78    565.00   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft  H.JUMP IN
PIPE Hev= .00ft
   566.10      8.10    565.00   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft  H.JUMP IN
PIPE Hev= .00ft
   566.20      9.50    565.00   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q		Tail Water		Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.25	10.19	565.00	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft H.JUMP IN PIPE Hev= .00ft
566.30	11.18	565.00	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft H.JUMP IN PIPE Hev= .00ft
566.40	12.68	565.00	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft H.JUMP IN PIPE Hev= .00ft
566.50	14.41	565.00	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft H.JUMP IN PIPE Hev= .00ft
566.60	16.00	565.00	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft H.JUMP IN PIPE Hev= .00ft
566.70	17.89	565.00	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft CRIT.DEPTH Hev= .00ft
566.75	18.89	565.00	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft CRIT.DEPTH Hev= .00ft
566.80	19.64	565.00	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft CRIT.DEPTH Hev= .00ft
566.90	21.69	565.00	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft CRIT.DEPTH Hev= .00ft
567.00	23.54	565.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft
CRIT.DEPTH Hev= .00ft
   567.10     25.73    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft
CRIT.DEPTH Hev= .00ft
   567.20     27.74    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft
CRIT.DEPTH Hev= .00ft
   567.25     28.84    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft
CRIT.DEPTH Hev= .00ft
   567.30     29.95    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft
CRIT.DEPTH Hev= .00ft
   567.40     31.86    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
567.50	34.02	565.00	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft CRIT.DEPTH Hev= .00ft
567.60	36.17	565.00	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft CRIT.DEPTH Hev= .00ft
567.70	38.39	565.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft CRIT.DEPTH Hev= .00ft
567.75	39.43	565.00	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft CRIT.DEPTH Hev= .00ft
567.80	40.50	565.00	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft CRIT.DEPTH Hev= .00ft
567.90	42.79	565.00	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft CRIT.DEPTH Hev= .00ft
568.00	44.74	565.00	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft CRIT.DEPTH Hev= .00ft
568.10	46.89	565.00	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft CRIT.DEPTH Hev= .00ft
568.20	48.88	565.00	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft CRIT.DEPTH Hev= .00ft
568.25	49.90	565.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft
CRIT.DEPTH Hev= .00ft
   568.30     50.92    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	59.96	565.00	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	565.00	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	565.00	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	565.00	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	565.00	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	565.00	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	565.00	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	565.00	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	565.00	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	565.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	565.00	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	565.00	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	565.00	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	565.00	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	565.00	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	565.00	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	565.00	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	565.00	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	565.00	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	565.00	.000	

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                    FULL FLOW...Lfull=60.97ft  Vh=1.926ft  HL=4.520ft Hev=
.00ft
   571.00     89.44    565.00   .000
                    FULL FLOW...Lfull=62.15ft  Vh=1.966ft  HL=4.638ft Hev=
.00ft
   571.10     90.34    565.00   .000
                    FULL FLOW...Lfull=63.07ft  Vh=2.006ft  HL=4.751ft Hev=
.00ft
   571.20     91.22    565.00   .000
                    FULL FLOW...Lfull=63.85ft  Vh=2.045ft  HL=4.862ft Hev=
.00ft
   571.30     92.11    565.00   .000
                    FULL FLOW...Lfull=64.52ft  Vh=2.085ft  HL=4.971ft Hev=
.00ft
   571.40     93.00    565.00   .000
                    FULL FLOW...Lfull=64.98ft  Vh=2.125ft  HL=5.078ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.85	565.00	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	565.00	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	565.00	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	565.00	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	565.00	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	565.00	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	565.00	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	565.00	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	565.00	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	565.00	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 565.00 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 565.00 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 565.00 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 565.00 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 565.00 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	565.00	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	565.00	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	565.00	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	565.00	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	565.00	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	565.00	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	565.00	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	565.00	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	565.00	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	565.00	.000	

```
                  FULL FLOW...Lfull=69.15ft  Vh=3.139ft  HL=7.638ft Hev=
.00ft
   574.00    113.74    565.00   .000
                  FULL FLOW...Lfull=69.18ft  Vh=3.179ft  HL=7.738ft Hev=
.00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.10	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.20	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.25	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.30	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.40	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.50	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.60	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.70	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.75	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.00	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.10	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.20	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.25	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El

566.30 .00 565.00 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.40	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 565.00 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 565.00 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
569.25	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	565.00	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	565.00	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	565.00	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	565.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
570.80	1.23	565.00	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	565.00	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	565.00	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	565.00	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	565.00	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	565.00	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	565.00	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	565.00	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	565.00	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	565.00	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	565.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    565.00   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    565.00   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    565.00   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    565.00   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    565.00   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    565.00   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	565.00	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	565.00	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	565.00	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	565.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	565.00	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	565.00	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	565.00	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	565.00	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	565.00	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	565.00	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	565.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    565.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-.58	565.25	.000	REVERSE BACKWATER.. Vh= .000ft twDi= 1.250ft Lbw= 70.0ft Hev= .00ft
565.10	-.58	565.25	.000	REVERSE BACKWATER.. Vh= .000ft twDi= 1.250ft Lbw= 70.0ft Hev= .00ft
565.20	-.56	565.25	.000	REVERSE BACKWATER.. Vh= .000ft twDi= 1.249ft Lbw= 70.0ft Hev= .00ft
565.25	.00	565.25	.000	HW = TW elev
565.30	.69	565.25	.000	CRIT.DEPTH CONTROL Vh= .072ft Dcr= .211ft H.JUMP IN PIPE Hev= .00ft
565.40	1.15	565.25	.000	CRIT.DEPTH CONTROL Vh= .084ft Dcr= .246ft H.JUMP IN PIPE Hev= .00ft
565.50	1.53	565.25	.000	CRIT.DEPTH CONTROL Vh= .109ft Dcr= .316ft H.JUMP IN PIPE Hev= .00ft
565.60	2.55	565.25	.000	CRIT.DEPTH CONTROL Vh= .128ft Dcr= .369ft H.JUMP IN PIPE Hev= .00ft
565.70	3.50	565.25	.000	CRIT.DEPTH CONTROL Vh= .153ft Dcr= .439ft H.JUMP IN PIPE Hev= .00ft
565.75	3.78	565.25	.000	CRIT.DEPTH CONTROL Vh= .160ft Dcr= .457ft H.JUMP IN PIPE Hev= .00ft

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   565.80      4.55    565.25   .000
                   CRIT.DEPTH CONTROL  Vh= .173ft  Dcr= .492ft  H.JUMP IN
PIPE Hev= .00ft
   565.90      5.35    565.25   .000
                   CRIT.DEPTH CONTROL  Vh= .199ft  Dcr= .562ft  H.JUMP IN
PIPE Hev= .00ft
   566.00      6.78    565.25   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft  H.JUMP IN
PIPE Hev= .00ft
   566.10      8.10    565.25   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft  H.JUMP IN
PIPE Hev= .00ft
   566.20      9.50    565.25   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft  H.JUMP IN
PIPE Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.25	10.19	565.25	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft H.JUMP IN PIPE Hev= .00ft
566.30	11.18	565.25	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft H.JUMP IN PIPE Hev= .00ft
566.40	12.68	565.25	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft H.JUMP IN PIPE Hev= .00ft
566.50	14.41	565.25	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft H.JUMP IN PIPE Hev= .00ft
566.60	16.00	565.25	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft H.JUMP IN PIPE Hev= .00ft
566.70	17.89	565.25	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft H.JUMP IN PIPE Hev= .00ft
566.75	18.89	565.25	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft H.JUMP IN PIPE Hev= .00ft
566.80	19.64	565.25	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft H.JUMP IN PIPE Hev= .00ft
566.90	21.69	565.25	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft H.JUMP IN PIPE Hev= .00ft
567.00	23.54	565.25	.000	

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                    CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft  H.JUMP
IN PIPE Hev= .00ft
   567.10     25.73    565.25   .000
                    CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft  H.JUMP
IN PIPE Hev= .00ft
   567.20     27.74    565.25   .000
                    CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft
CRIT.DEPTH Hev= .00ft
   567.25     28.84    565.25   .000
                    CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft
CRIT.DEPTH Hev= .00ft
   567.30     29.95    565.25   .000
                    CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft
CRIT.DEPTH Hev= .00ft
   567.40     31.86    565.25   .000
                    CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft
CRIT.DEPTH Hev= .00ft

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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
567.50	34.02	565.25	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft CRIT.DEPTH Hev= .00ft
567.60	36.17	565.25	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft CRIT.DEPTH Hev= .00ft
567.70	38.39	565.25	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft CRIT.DEPTH Hev= .00ft
567.75	39.43	565.25	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft CRIT.DEPTH Hev= .00ft
567.80	40.50	565.25	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft CRIT.DEPTH Hev= .00ft
567.90	42.79	565.25	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft CRIT.DEPTH Hev= .00ft
568.00	44.74	565.25	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft CRIT.DEPTH Hev= .00ft
568.10	46.89	565.25	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft CRIT.DEPTH Hev= .00ft
568.20	48.88	565.25	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft CRIT.DEPTH Hev= .00ft
568.25	49.90	565.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft
CRIT.DEPTH Hev= .00ft
   568.30     50.92    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
568.75	59.96	565.25	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	565.25	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	565.25	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	565.25	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	565.25	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	565.25	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	565.25	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	565.25	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	565.25	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	565.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	565.25	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	565.25	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	565.25	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	565.25	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	565.25	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	565.25	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	565.25	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	565.25	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	565.25	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	565.25	.000	

FULL FLOW...Lfull=60.97ft Vh=1.926ft HL=4.520ft Hev=
.00ft
571.00 89.44 565.25 .000
FULL FLOW...Lfull=62.15ft Vh=1.966ft HL=4.638ft Hev=
.00ft
571.10 90.34 565.25 .000
FULL FLOW...Lfull=63.07ft Vh=2.006ft HL=4.751ft Hev=
.00ft
571.20 91.22 565.25 .000
FULL FLOW...Lfull=63.85ft Vh=2.045ft HL=4.862ft Hev=
.00ft
571.30 92.11 565.25 .000
FULL FLOW...Lfull=64.52ft Vh=2.085ft HL=4.971ft Hev=
.00ft
571.40 93.00 565.25 .000
FULL FLOW...Lfull=64.98ft Vh=2.125ft HL=5.078ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.85	565.25	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	565.25	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	565.25	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	565.25	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	565.25	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	565.25	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	565.25	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	565.25	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	565.25	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	565.25	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 565.25 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 565.25 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 565.25 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 565.25 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 565.25 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	565.25	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	565.25	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	565.25	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	565.25	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	565.25	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	565.25	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	565.25	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	565.25	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	565.25	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	565.25	.000	

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                  FULL FLOW...Lfull=69.15ft  Vh=3.139ft  HL=7.638ft Hev=
.00ft
   574.00    113.74    565.25   .000
                  FULL FLOW...Lfull=69.18ft  Vh=3.179ft  HL=7.738ft Hev=
.00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	565.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	565.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	565.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
565.30	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
565.40	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
565.50	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
565.60	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
565.70	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
565.75	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
566.00	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
566.10	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
566.20	.00	565.25	.000	

Upstream HW & DNstream TW < Inv.El
566.25 .00 565.25 .000
Upstream HW & DNstream TW < Inv.El
566.30 .00 565.25 .000
Upstream HW & DNstream TW < Inv.El

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 565.25 .000

Upstream HW & DNstream TW < Inv.El

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PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 565.25 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
569.25	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	565.25	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	565.25	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	565.25	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	565.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
570.80	1.23	565.25	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	565.25	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	565.25	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	565.25	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	565.25	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	565.25	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	565.25	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	565.25	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	565.25	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	565.25	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	565.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	565.25	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	565.25	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	565.25	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	565.25	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	565.25	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	565.25	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	565.25	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	565.25	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	565.25	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	565.25	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	565.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    565.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-2.26	565.50	.000	REVERSE BACKWATER.. Vh= .003ft twDi= 1.495ft Lbw= 70.0ft Hev= .00ft
565.10	-2.26	565.50	.000	REVERSE BACKWATER.. Vh= .003ft twDi= 1.495ft Lbw= 70.0ft Hev= .00ft
565.20	-2.26	565.50	.000	REVERSE BACKWATER.. Vh= .003ft twDi= 1.495ft Lbw= 70.0ft Hev= .00ft
565.25	-2.26	565.50	.000	REVERSE BACKWATER.. Vh= .003ft twDi= 1.495ft Lbw= 70.0ft Hev= .00ft
565.30	-2.26	565.50	.000	REVERSE BACKWATER.. Vh= .003ft twDi= 1.495ft Lbw= 70.0ft Hev= .00ft
565.40	-2.19	565.50	.000	REVERSE BACKWATER.. Vh= .002ft twDi= 1.496ft Lbw= 70.0ft Hev= .00ft
565.50	.00	565.50	.000	HW = TW elev
565.60	2.68	565.50	.000	BACKWATER CONTROL.. Vh= .104ft hwDi= .423ft Lbw= 70.0ft Hev= .00ft
565.70	3.50	565.50	.000	CRIT.DEPTH CONTROL Vh= .153ft Dcr= .439ft H.JUMP IN PIPE Hev= .00ft
565.75	3.78	565.50	.000	CRIT.DEPTH CONTROL Vh= .160ft Dcr= .457ft H.JUMP IN PIPE Hev= .00ft

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   565.80      4.55    565.50   .000
                   CRIT.DEPTH CONTROL  Vh= .173ft  Dcr= .492ft  H.JUMP IN
PIPE Hev= .00ft
   565.90      5.35    565.50   .000
                   CRIT.DEPTH CONTROL  Vh= .199ft  Dcr= .562ft  H.JUMP IN
PIPE Hev= .00ft
   566.00      6.78    565.50   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft  H.JUMP IN
PIPE Hev= .00ft
   566.10      8.10    565.50   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft  H.JUMP IN
PIPE Hev= .00ft
   566.20      9.50    565.50   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.25	10.19	565.50	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft H.JUMP IN PIPE Hev= .00ft
566.30	11.18	565.50	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft H.JUMP IN PIPE Hev= .00ft
566.40	12.68	565.50	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft H.JUMP IN PIPE Hev= .00ft
566.50	14.41	565.50	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft H.JUMP IN PIPE Hev= .00ft
566.60	16.00	565.50	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft H.JUMP IN PIPE Hev= .00ft
566.70	17.89	565.50	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft H.JUMP IN PIPE Hev= .00ft
566.75	18.89	565.50	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft H.JUMP IN PIPE Hev= .00ft
566.80	19.64	565.50	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft H.JUMP IN PIPE Hev= .00ft
566.90	21.69	565.50	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft H.JUMP IN PIPE Hev= .00ft
567.00	23.54	565.50	.000	

```
                    CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft  H.JUMP
IN PIPE Hev= .00ft
   567.10     25.73    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft  H.JUMP
IN PIPE Hev= .00ft
   567.20     27.74    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft  H.JUMP
IN PIPE Hev= .00ft
   567.25     28.84    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft  H.JUMP
IN PIPE Hev= .00ft
   567.30     29.95    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft  H.JUMP
IN PIPE Hev= .00ft
   567.40     31.86    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft  H.JUMP
IN PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.50	34.02	565.50	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft H.JUMP IN PIPE Hev= .00ft
567.60	36.17	565.50	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft H.JUMP IN PIPE Hev= .00ft
567.70	38.39	565.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft CRIT.DEPTH Hev= .00ft
567.75	39.43	565.50	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft CRIT.DEPTH Hev= .00ft
567.80	40.50	565.50	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft CRIT.DEPTH Hev= .00ft
567.90	42.79	565.50	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft CRIT.DEPTH Hev= .00ft
568.00	44.74	565.50	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft CRIT.DEPTH Hev= .00ft
568.10	46.89	565.50	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft CRIT.DEPTH Hev= .00ft
568.20	48.88	565.50	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft CRIT.DEPTH Hev= .00ft
568.25	49.90	565.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft
CRIT.DEPTH Hev= .00ft
   568.30     50.92    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
568.75	59.96	565.50	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	565.50	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	565.50	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	565.50	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	565.50	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	565.50	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	565.50	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	565.50	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	565.50	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	565.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
570.00	80.81	565.50	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	565.50	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	565.50	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	565.50	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	565.50	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	565.50	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	565.50	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	565.50	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	565.50	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	565.50	.000	

```
                    FULL FLOW...Lfull=60.97ft  Vh=1.926ft  HL=4.520ft Hev=
.00ft
   571.00     89.44    565.50   .000
                    FULL FLOW...Lfull=62.15ft  Vh=1.966ft  HL=4.638ft Hev=
.00ft
   571.10     90.34    565.50   .000
                    FULL FLOW...Lfull=63.07ft  Vh=2.006ft  HL=4.751ft Hev=
.00ft
   571.20     91.22    565.50   .000
                    FULL FLOW...Lfull=63.85ft  Vh=2.045ft  HL=4.862ft Hev=
.00ft
   571.30     92.11    565.50   .000
                    FULL FLOW...Lfull=64.52ft  Vh=2.085ft  HL=4.971ft Hev=
.00ft
   571.40     93.00    565.50   .000
                    FULL FLOW...Lfull=64.98ft  Vh=2.125ft  HL=5.078ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.85	565.50	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	565.50	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	565.50	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	565.50	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	565.50	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	565.50	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	565.50	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	565.50	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	565.50	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	565.50	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 565.50 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 565.50 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 565.50 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 565.50 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 565.50 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	565.50	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	565.50	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	565.50	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	565.50	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	565.50	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	565.50	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	565.50	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	565.50	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	565.50	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	565.50	.000	

FULL FLOW...Lfull=69.15ft Vh=3.139ft HL=7.638ft Hev=
.00ft
574.00 113.74 565.50 .000
FULL FLOW...Lfull=69.18ft Vh=3.179ft HL=7.738ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-.00	565.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	565.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	565.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	565.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	565.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	565.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
565.60	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
565.70	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
565.75	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
566.00	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El

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566.10       .00    565.50   .000
               Upstream HW & DNstream TW < Inv.El
566.20       .00    565.50   .000
               Upstream HW & DNstream TW < Inv.El
566.25       .00    565.50   .000
               Upstream HW & DNstream TW < Inv.El
566.30       .00    565.50   .000
               Upstream HW & DNstream TW < Inv.El

S/N:
PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 565.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 565.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	565.50	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	565.50	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	565.50	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	565.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	565.50	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	565.50	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	565.50	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	565.50	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	565.50	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	565.50	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	565.50	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	565.50	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	565.50	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	565.50	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	565.50	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    565.50   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	565.50	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	565.50	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	565.50	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	565.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	565.50	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	565.50	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	565.50	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	565.50	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	565.50	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	565.50	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	565.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    565.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
565.00	-4.91	565.75	.000	REVERSE BACKWATER.. Vh= .009ft twDi= 1.734ft Lbw= 70.0ft Hev= .00ft
565.10	-4.91	565.75	.000	REVERSE BACKWATER.. Vh= .009ft twDi= 1.734ft Lbw= 70.0ft Hev= .00ft
565.20	-4.91	565.75	.000	REVERSE BACKWATER.. Vh= .009ft twDi= 1.734ft Lbw= 70.0ft Hev= .00ft
565.25	-4.91	565.75	.000	REVERSE BACKWATER.. Vh= .009ft twDi= 1.734ft Lbw= 70.0ft Hev= .00ft
565.30	-4.91	565.75	.000	REVERSE BACKWATER.. Vh= .009ft twDi= 1.734ft Lbw= 70.0ft Hev= .00ft
565.40	-4.91	565.75	.000	REVERSE BACKWATER.. Vh= .009ft twDi= 1.734ft Lbw= 70.0ft Hev= .00ft
565.50	-4.91	565.75	.000	REVERSE BACKWATER.. Vh= .009ft twDi= 1.734ft Lbw= 70.0ft Hev= .00ft
565.60	-4.72	565.75	.000	REVERSE BACKWATER.. Vh= .008ft twDi= 1.736ft Lbw= 70.0ft Hev= .00ft
565.70	-3.29	565.75	.000	REVERSE BACKWATER.. Vh= .004ft twDi= 1.744ft Lbw= 70.0ft Hev= .00ft
565.75	.00	565.75	.000	HW = TW elev

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   565.80      3.79    565.75   .000
                   BACKWATER CONTROL.. Vh= .046ft  hwDi= .721ft  Lbw=
70.0ft Hev= .00ft
   565.90      5.84    565.75   .000
                   BACKWATER CONTROL.. Vh= .150ft  hwDi= .646ft  Lbw=
70.0ft Hev= .00ft
   566.00      6.78    565.75   .000
                   CRIT.DEPTH CONTROL  Vh= .227ft  Dcr= .633ft  H.JUMP IN
PIPE Hev= .00ft
   566.10      8.10    565.75   .000
                   CRIT.DEPTH CONTROL  Vh= .247ft  Dcr= .685ft  H.JUMP IN
PIPE Hev= .00ft
   566.20      9.50    565.75   .000
                   CRIT.DEPTH CONTROL  Vh= .272ft  Dcr= .747ft  H.JUMP IN
PIPE Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.25	10.19	565.75	.000	CRIT.DEPTH CONTROL Vh= .283ft Dcr= .773ft H.JUMP IN PIPE Hev= .00ft
566.30	11.18	565.75	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft H.JUMP IN PIPE Hev= .00ft
566.40	12.68	565.75	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft H.JUMP IN PIPE Hev= .00ft
566.50	14.41	565.75	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft H.JUMP IN PIPE Hev= .00ft
566.60	16.00	565.75	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft H.JUMP IN PIPE Hev= .00ft
566.70	17.89	565.75	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft H.JUMP IN PIPE Hev= .00ft
566.75	18.89	565.75	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft H.JUMP IN PIPE Hev= .00ft
566.80	19.64	565.75	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft H.JUMP IN PIPE Hev= .00ft
566.90	21.69	565.75	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft H.JUMP IN PIPE Hev= .00ft
567.00	23.54	565.75	.000	

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                    CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft  H.JUMP
IN PIPE Hev= .00ft
   567.10     25.73    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft  H.JUMP
IN PIPE Hev= .00ft
   567.20     27.74    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft  H.JUMP
IN PIPE Hev= .00ft
   567.25     28.84    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft  H.JUMP
IN PIPE Hev= .00ft
   567.30     29.95    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft  H.JUMP
IN PIPE Hev= .00ft
   567.40     31.86    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft  H.JUMP
IN PIPE Hev= .00ft

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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.50	34.02	565.75	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft H.JUMP IN PIPE Hev= .00ft
567.60	36.17	565.75	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft H.JUMP IN PIPE Hev= .00ft
567.70	38.39	565.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft H.JUMP IN PIPE Hev= .00ft
567.75	39.43	565.75	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft H.JUMP IN PIPE Hev= .00ft
567.80	40.50	565.75	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft H.JUMP IN PIPE Hev= .00ft
567.90	42.79	565.75	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft H.JUMP IN PIPE Hev= .00ft
568.00	44.74	565.75	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft H.JUMP IN PIPE Hev= .00ft
568.10	46.89	565.75	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft H.JUMP IN PIPE Hev= .00ft
568.20	48.88	565.75	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft H.JUMP IN PIPE Hev= .00ft
568.25	49.90	565.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft  H.JUMP
IN PIPE Hev= .00ft
   568.30     50.92    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft
CRIT.DEPTH Hev= .00ft
   568.40     53.19    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft
CRIT.DEPTH Hev= .00ft
   568.50     55.01    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft
CRIT.DEPTH Hev= .00ft
   568.60     56.89    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft
CRIT.DEPTH Hev= .00ft
   568.70     58.78    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
568.75	59.96	565.75	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft CRIT.DEPTH Hev= .00ft
568.80	61.02	565.75	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft CRIT.DEPTH Hev= .00ft
568.90	62.63	565.75	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft CRIT.DEPTH Hev= .00ft
569.00	64.35	565.75	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft CRIT.DEPTH Hev= .00ft
569.10	66.30	565.75	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft CRIT.DEPTH Hev= .00ft
569.20	68.19	565.75	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft CRIT.DEPTH Hev= .00ft
569.25	68.94	565.75	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	565.75	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	565.75	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	565.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	565.75	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	565.75	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	565.75	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	565.75	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	565.75	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	565.75	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	565.75	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	565.75	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	565.75	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	565.75	.000	

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                    FULL FLOW...Lfull=60.97ft  Vh=1.926ft  HL=4.520ft Hev=
.00ft
   571.00     89.44    565.75   .000
                    FULL FLOW...Lfull=62.15ft  Vh=1.966ft  HL=4.638ft Hev=
.00ft
   571.10     90.34    565.75   .000
                    FULL FLOW...Lfull=63.07ft  Vh=2.006ft  HL=4.751ft Hev=
.00ft
   571.20     91.22    565.75   .000
                    FULL FLOW...Lfull=63.85ft  Vh=2.045ft  HL=4.862ft Hev=
.00ft
   571.30     92.11    565.75   .000
                    FULL FLOW...Lfull=64.52ft  Vh=2.085ft  HL=4.971ft Hev=
.00ft
   571.40     93.00    565.75   .000
                    FULL FLOW...Lfull=64.98ft  Vh=2.125ft  HL=5.078ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.85	565.75	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	565.75	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	565.75	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	565.75	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	565.75	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	565.75	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	565.75	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	565.75	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	565.75	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	565.75	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 565.75 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 565.75 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 565.75 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 565.75 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 565.75 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

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PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	565.75	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	565.75	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	565.75	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	565.75	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	565.75	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	565.75	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	565.75	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	565.75	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	565.75	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	565.75	.000	

```
                  FULL FLOW...Lfull=69.15ft  Vh=3.139ft  HL=7.638ft Hev=
.00ft
   574.00    113.74    565.75   .000
                  FULL FLOW...Lfull=69.18ft  Vh=3.179ft  HL=7.738ft Hev=
.00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-.00	565.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	565.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	565.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	565.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	565.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	565.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	565.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	565.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	565.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
565.80	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
565.90	.00	565.75	.000	

```
                Upstream HW & DNstream TW < Inv.El
566.00        .00    565.75   .000
                Upstream HW & DNstream TW < Inv.El
566.10        .00    565.75   .000
                Upstream HW & DNstream TW < Inv.El
566.20        .00    565.75   .000
                Upstream HW & DNstream TW < Inv.El
566.25        .00    565.75   .000
                Upstream HW & DNstream TW < Inv.El
566.30        .00    565.75   .000
                Upstream HW & DNstream TW < Inv.El

S/N:
PondPack Ver:                   Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 565.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 565.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	565.75	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	565.75	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	565.75	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	565.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	565.75	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	565.75	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	565.75	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	565.75	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	565.75	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	565.75	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	565.75	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	565.75	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	565.75	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	565.75	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	565.75	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    565.75   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	565.75	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	565.75	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	565.75	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	565.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	565.75	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	565.75	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	565.75	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	565.75	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	565.75	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	565.75	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	565.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    565.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
565.00	-8.39	566.00	.000	REVERSE BACKWATER.. Vh= .020ft twDi= 1.966ft Lbw= 70.0ft Hev= .00ft
565.10	-8.39	566.00	.000	REVERSE BACKWATER.. Vh= .020ft twDi= 1.966ft Lbw= 70.0ft Hev= .00ft
565.20	-8.39	566.00	.000	REVERSE BACKWATER.. Vh= .020ft twDi= 1.966ft Lbw= 70.0ft Hev= .00ft
565.25	-8.39	566.00	.000	REVERSE BACKWATER.. Vh= .020ft twDi= 1.966ft Lbw= 70.0ft Hev= .00ft
565.30	-8.39	566.00	.000	REVERSE BACKWATER.. Vh= .020ft twDi= 1.966ft Lbw= 70.0ft Hev= .00ft
565.40	-8.39	566.00	.000	REVERSE BACKWATER.. Vh= .020ft twDi= 1.966ft Lbw= 70.0ft Hev= .00ft
565.50	-8.39	566.00	.000	REVERSE BACKWATER.. Vh= .020ft twDi= 1.966ft Lbw= 70.0ft Hev= .00ft
565.60	-8.39	566.00	.000	REVERSE BACKWATER.. Vh= .020ft twDi= 1.966ft Lbw= 70.0ft Hev= .00ft
565.70	-8.39	566.00	.000	REVERSE BACKWATER.. Vh= .020ft twDi= 1.966ft Lbw= 70.0ft Hev= .00ft
565.75	-8.30	566.00	.000	

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                  REVERSE BACKWATER.. Vh= .020ft  twDi= 1.967ft  Lbw=
70.0ft Hev= .00ft
   565.80     -7.96    566.00   .000
                  REVERSE BACKWATER.. Vh= .018ft  twDi= 1.969ft  Lbw=
70.0ft Hev= .00ft
   565.90     -6.44    566.00   .000
                  REVERSE BACKWATER.. Vh= .012ft  twDi= 1.980ft  Lbw=
70.0ft Hev= .00ft
   566.00       .00    566.00   .000
                  HW = TW elev
   566.10      7.55    566.00   .000
                  BACKWATER CONTROL.. Vh= .086ft  hwDi= .953ft  Lbw=
70.0ft Hev= .00ft
   566.20     10.01    566.00   .000
                  BACKWATER CONTROL.. Vh= .182ft  hwDi= .890ft  Lbw=
70.0ft Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.25	10.69	566.00	.000	BACKWATER CONTROL.. Vh= .237ft hwDi= .847ft Lbw= 70.0ft Hev= .00ft
566.30	11.18	566.00	.000	CRIT.DEPTH CONTROL Vh= .294ft Dcr= .799ft H.JUMP IN PIPE Hev= .00ft
566.40	12.68	566.00	.000	CRIT.DEPTH CONTROL Vh= .316ft Dcr= .852ft H.JUMP IN PIPE Hev= .00ft
566.50	14.41	566.00	.000	CRIT.DEPTH CONTROL Vh= .347ft Dcr= .922ft H.JUMP IN PIPE Hev= .00ft
566.60	16.00	566.00	.000	CRIT.DEPTH CONTROL Vh= .370ft Dcr= .975ft H.JUMP IN PIPE Hev= .00ft
566.70	17.89	566.00	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft H.JUMP IN PIPE Hev= .00ft
566.75	18.89	566.00	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft H.JUMP IN PIPE Hev= .00ft
566.80	19.64	566.00	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft H.JUMP IN PIPE Hev= .00ft
566.90	21.69	566.00	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft H.JUMP IN PIPE Hev= .00ft
567.00	23.54	566.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .478ft  Dcr= 1.195ft  H.JUMP
IN PIPE Hev= .00ft
   567.10     25.73    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft  H.JUMP
IN PIPE Hev= .00ft
   567.20     27.74    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft  H.JUMP
IN PIPE Hev= .00ft
   567.25     28.84    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft  H.JUMP
IN PIPE Hev= .00ft
   567.30     29.95    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft  H.JUMP
IN PIPE Hev= .00ft
   567.40     31.86    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft  H.JUMP
IN PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
567.50	34.02	566.00	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft H.JUMP IN PIPE Hev= .00ft
567.60	36.17	566.00	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft H.JUMP IN PIPE Hev= .00ft
567.70	38.39	566.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft H.JUMP IN PIPE Hev= .00ft
567.75	39.43	566.00	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft H.JUMP IN PIPE Hev= .00ft
567.80	40.50	566.00	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft H.JUMP IN PIPE Hev= .00ft
567.90	42.79	566.00	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft H.JUMP IN PIPE Hev= .00ft
568.00	44.74	566.00	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft H.JUMP IN PIPE Hev= .00ft
568.10	46.89	566.00	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft H.JUMP IN PIPE Hev= .00ft
568.20	48.88	566.00	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft H.JUMP IN PIPE Hev= .00ft
568.25	49.90	566.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft  H.JUMP
IN PIPE Hev= .00ft
   568.30     50.92    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft  H.JUMP
IN PIPE Hev= .00ft
   568.40     53.19    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft  H.JUMP
IN PIPE Hev= .00ft
   568.50     55.01    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft  H.JUMP
IN PIPE Hev= .00ft
   568.60     56.89    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft  H.JUMP
IN PIPE Hev= .00ft
   568.70     58.78    566.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft  H.JUMP
IN PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
568.75	59.96	566.00	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft H.JUMP IN PIPE Hev= .00ft
568.80	61.02	566.00	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft H.JUMP IN PIPE Hev= .00ft
568.90	62.63	566.00	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft H.JUMP IN PIPE Hev= .00ft
569.00	64.35	566.00	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft H.JUMP IN PIPE Hev= .00ft
569.10	66.30	566.00	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft H.JUMP IN PIPE Hev= .00ft
569.20	68.19	566.00	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft H.JUMP IN PIPE Hev= .00ft
569.25	68.94	566.00	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft CRIT.DEPTH Hev= .00ft
569.30	69.82	566.00	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft CRIT.DEPTH Hev= .00ft
569.40	71.56	566.00	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft CRIT.DEPTH Hev= .00ft
569.50	73.06	566.00	.000	

```
                  CRIT.DEPTH CONTROL  Vh= 1.448ft  Dcr= 2.040ft
CRIT.DEPTH Hev= .00ft
   569.60     74.74    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.498ft  Dcr= 2.053ft
CRIT.DEPTH Hev= .00ft
   569.70     76.18    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.543ft  Dcr= 2.064ft
CRIT.DEPTH Hev= .00ft
   569.75     77.09    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.572ft  Dcr= 2.071ft
CRIT.DEPTH Hev= .00ft
   569.80     77.69    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.602ft  Dcr= 2.078ft
CRIT.DEPTH Hev= .00ft
   569.90     79.68    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.657ft  Dcr= 2.089ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	80.81	566.00	.000	FULL FLOW...Lfull=7.78ft Vh=1.605ft HL=2.861ft Hev=.00ft
570.10	81.44	566.00	.000	FULL FLOW...Lfull=26.21ft Vh=1.630ft HL=3.224ft Hev=.00ft
570.20	82.22	566.00	.000	FULL FLOW...Lfull=37.81ft Vh=1.661ft HL=3.490ft Hev=.00ft
570.30	83.09	566.00	.000	FULL FLOW...Lfull=44.88ft Vh=1.697ft HL=3.692ft Hev=.00ft
570.40	83.97	566.00	.000	FULL FLOW...Lfull=49.69ft Vh=1.733ft HL=3.859ft Hev=.00ft
570.50	84.87	566.00	.000	FULL FLOW...Lfull=53.41ft Vh=1.770ft HL=4.012ft Hev=.00ft
570.60	85.78	566.00	.000	FULL FLOW...Lfull=56.26ft Vh=1.808ft HL=4.154ft Hev=.00ft
570.70	86.69	566.00	.000	FULL FLOW...Lfull=58.51ft Vh=1.847ft HL=4.285ft Hev=.00ft
570.80	87.63	566.00	.000	FULL FLOW...Lfull=59.63ft Vh=1.887ft HL=4.402ft Hev=.00ft
570.90	88.53	566.00	.000	

```
                    FULL FLOW...Lfull=60.97ft  Vh=1.926ft  HL=4.520ft Hev=
.00ft
   571.00     89.44    566.00   .000
                    FULL FLOW...Lfull=62.15ft  Vh=1.966ft  HL=4.638ft Hev=
.00ft
   571.10     90.34    566.00   .000
                    FULL FLOW...Lfull=63.07ft  Vh=2.006ft  HL=4.751ft Hev=
.00ft
   571.20     91.22    566.00   .000
                    FULL FLOW...Lfull=63.85ft  Vh=2.045ft  HL=4.862ft Hev=
.00ft
   571.30     92.11    566.00   .000
                    FULL FLOW...Lfull=64.52ft  Vh=2.085ft  HL=4.971ft Hev=
.00ft
   571.40     93.00    566.00   .000
                    FULL FLOW...Lfull=64.98ft  Vh=2.125ft  HL=5.078ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.85	566.00	.000	FULL FLOW...Lfull=65.60ft Vh=2.165ft HL=5.186ft Hev=.00ft
571.60	94.74	566.00	.000	FULL FLOW...Lfull=65.92ft Vh=2.206ft HL=5.292ft Hev=.00ft
571.70	95.60	566.00	.000	FULL FLOW...Lfull=66.32ft Vh=2.246ft HL=5.398ft Hev=.00ft
571.80	96.44	566.00	.000	FULL FLOW...Lfull=66.70ft Vh=2.286ft HL=5.503ft Hev=.00ft
571.90	97.30	566.00	.000	FULL FLOW...Lfull=66.90ft Vh=2.327ft HL=5.606ft Hev=.00ft
572.00	98.13	566.00	.000	FULL FLOW...Lfull=67.24ft Vh=2.367ft HL=5.711ft Hev=.00ft
572.10	98.95	566.00	.000	FULL FLOW...Lfull=67.53ft Vh=2.406ft HL=5.814ft Hev=.00ft
572.20	99.80	566.00	.000	FULL FLOW...Lfull=67.63ft Vh=2.448ft HL=5.917ft Hev=.00ft
572.30	100.62	566.00	.000	FULL FLOW...Lfull=67.79ft Vh=2.488ft HL=6.019ft Hev=.00ft
572.40	101.44	566.00	.000	

FULL FLOW...Lfull=67.92ft Vh=2.529ft HL=6.121ft Hev=
.00ft
572.50 102.26 566.00 .000
FULL FLOW...Lfull=68.00ft Vh=2.570ft HL=6.222ft Hev=
.00ft
572.60 103.00 566.00 .000
FULL FLOW...Lfull=68.69ft Vh=2.607ft HL=6.332ft Hev=
.00ft
572.70 103.80 566.00 .000
FULL FLOW...Lfull=68.71ft Vh=2.648ft HL=6.431ft Hev=
.00ft
572.80 104.61 566.00 .000
FULL FLOW...Lfull=68.78ft Vh=2.689ft HL=6.533ft Hev=
.00ft
572.90 105.39 566.00 .000
FULL FLOW...Lfull=68.80ft Vh=2.729ft HL=6.632ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.18	566.00	.000	FULL FLOW...Lfull=68.82ft Vh=2.771ft HL=6.733ft Hev=.00ft
573.10	106.96	566.00	.000	FULL FLOW...Lfull=68.88ft Vh=2.811ft HL=6.833ft Hev=.00ft
573.20	107.74	566.00	.000	FULL FLOW...Lfull=68.89ft Vh=2.853ft HL=6.934ft Hev=.00ft
573.30	108.50	566.00	.000	FULL FLOW...Lfull=68.94ft Vh=2.893ft HL=7.034ft Hev=.00ft
573.40	109.27	566.00	.000	FULL FLOW...Lfull=68.96ft Vh=2.934ft HL=7.135ft Hev=.00ft
573.50	110.04	566.00	.000	FULL FLOW...Lfull=68.98ft Vh=2.976ft HL=7.235ft Hev=.00ft
573.60	110.78	566.00	.000	FULL FLOW...Lfull=69.00ft Vh=3.016ft HL=7.335ft Hev=.00ft
573.70	111.53	566.00	.000	FULL FLOW...Lfull=69.08ft Vh=3.057ft HL=7.437ft Hev=.00ft
573.80	112.28	566.00	.000	FULL FLOW...Lfull=69.11ft Vh=3.098ft HL=7.538ft Hev=.00ft
573.90	113.01	566.00	.000	

```
                    FULL FLOW...Lfull=69.15ft  Vh=3.139ft  HL=7.638ft Hev=
.00ft
   574.00    113.74    566.00   .000
                    FULL FLOW...Lfull=69.18ft  Vh=3.179ft  HL=7.738ft Hev=
.00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	566.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	566.00	.000	

```
                  REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   565.90      -.00    566.00   .000
                  REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.00       .00    566.00   .000
                  Upstream HW & DNstream TW < Inv.El
   566.10       .00    566.00   .000
                  Upstream HW & DNstream TW < Inv.El
   566.20       .00    566.00   .000
                  Upstream HW & DNstream TW < Inv.El
   566.25       .00    566.00   .000
                  Upstream HW & DNstream TW < Inv.El
   566.30       .00    566.00   .000
                  Upstream HW & DNstream TW < Inv.El

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 566.00 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 566.00 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	566.00	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	566.00	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	566.00	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	566.00	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	566.00	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	566.00	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	566.00	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	566.00	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	566.00	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	566.00	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	566.00	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	566.00	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	566.00	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	566.00	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	566.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	566.00	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	566.00	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	566.00	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	566.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	566.00	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	566.00	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	566.00	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	566.00	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	566.00	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	566.00	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	566.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    566.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
565.00	-12.45	566.25	.000	REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.10	-12.45	566.25	.000	REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.20	-12.45	566.25	.000	REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.25	-12.45	566.25	.000	REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.30	-12.45	566.25	.000	REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.40	-12.45	566.25	.000	REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.50	-12.45	566.25	.000	REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.60	-12.45	566.25	.000	REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.70	-12.45	566.25	.000	REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.75	-12.45	566.25	.000	

REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.80 -12.45 566.25 .000
REVERSE BACKWATER.. Vh= .039ft twDi= 2.184ft Lbw= 70.0ft Hev= .00ft
565.90 -12.40 566.25 .000
REVERSE BACKWATER.. Vh= .038ft twDi= 2.185ft Lbw= 70.0ft Hev= .00ft
566.00 -11.68 566.25 .000
REVERSE BACKWATER.. Vh= .034ft twDi= 2.191ft Lbw= 70.0ft Hev= .00ft
566.10 -10.01 566.25 .000
REVERSE BACKWATER.. Vh= .025ft twDi= 2.208ft Lbw= 70.0ft Hev= .00ft
566.20 -6.29 566.25 .000
REVERSE BACKWATER.. Vh= .010ft twDi= 2.234ft Lbw= 70.0ft Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	.00	566.25	.000	HW = TW elev
566.30	6.96	566.25	.000	BACKWATER CONTROL.. Vh= .038ft hwDi= 1.236ft Lbw= 70.0ft Hev= .00ft
566.40	11.81	566.25	.000	BACKWATER CONTROL.. Vh= .116ft hwDi= 1.204ft Lbw= 70.0ft Hev= .00ft
566.50	14.83	566.25	.000	BACKWATER CONTROL.. Vh= .199ft hwDi= 1.162ft Lbw= 70.0ft Hev= .00ft
566.60	16.80	566.25	.000	BACKWATER CONTROL.. Vh= .292ft hwDi= 1.103ft Lbw= 70.0ft Hev= .00ft
566.70	17.89	566.25	.000	CRIT.DEPTH CONTROL Vh= .395ft Dcr= 1.028ft H.JUMP IN PIPE Hev= .00ft
566.75	18.89	566.25	.000	CRIT.DEPTH CONTROL Vh= .407ft Dcr= 1.054ft H.JUMP IN PIPE Hev= .00ft
566.80	19.64	566.25	.000	CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.089ft H.JUMP IN PIPE Hev= .00ft
566.90	21.69	566.25	.000	CRIT.DEPTH CONTROL Vh= .446ft Dcr= 1.133ft H.JUMP IN PIPE Hev= .00ft
567.00	23.54	566.25	.000	CRIT.DEPTH CONTROL Vh= .478ft Dcr= 1.195ft H.JUMP IN PIPE Hev= .00ft

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   567.10     25.73    566.25   .000
                   CRIT.DEPTH CONTROL  Vh= .506ft  Dcr= 1.247ft  H.JUMP
IN PIPE Hev= .00ft
   567.20     27.74    566.25   .000
                   CRIT.DEPTH CONTROL  Vh= .536ft  Dcr= 1.300ft  H.JUMP
IN PIPE Hev= .00ft
   567.25     28.84    566.25   .000
                   CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft  H.JUMP
IN PIPE Hev= .00ft
   567.30     29.95    566.25   .000
                   CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft  H.JUMP
IN PIPE Hev= .00ft
   567.40     31.86    566.25   .000
                   CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft  H.JUMP
IN PIPE Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q		Tail Water		Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.50	34.02	566.25	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft H.JUMP IN PIPE Hev= .00ft
567.60	36.17	566.25	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft H.JUMP IN PIPE Hev= .00ft
567.70	38.39	566.25	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft H.JUMP IN PIPE Hev= .00ft
567.75	39.43	566.25	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft H.JUMP IN PIPE Hev= .00ft
567.80	40.50	566.25	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft H.JUMP IN PIPE Hev= .00ft
567.90	42.79	566.25	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft H.JUMP IN PIPE Hev= .00ft
568.00	44.74	566.25	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft H.JUMP IN PIPE Hev= .00ft
568.10	46.89	566.25	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft H.JUMP IN PIPE Hev= .00ft
568.20	48.88	566.25	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft H.JUMP IN PIPE Hev= .00ft
568.25	49.90	566.25	.000	

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                    CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft  H.JUMP
IN PIPE Hev= .00ft
   568.30     50.92    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft  H.JUMP
IN PIPE Hev= .00ft
   568.40     53.19    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft  H.JUMP
IN PIPE Hev= .00ft
   568.50     55.01    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft  H.JUMP
IN PIPE Hev= .00ft
   568.60     56.89    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft  H.JUMP
IN PIPE Hev= .00ft
   568.70     58.78    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= 1.064ft  Dcr= 1.880ft  H.JUMP
IN PIPE Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q		Tail Water		Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
568.75	59.96	566.25	.000	CRIT.DEPTH CONTROL Vh= 1.086ft Dcr= 1.893ft H.JUMP IN PIPE Hev= .00ft
568.80	61.02	566.25	.000	CRIT.DEPTH CONTROL Vh= 1.117ft Dcr= 1.911ft H.JUMP IN PIPE Hev= .00ft
568.90	62.63	566.25	.000	CRIT.DEPTH CONTROL Vh= 1.160ft Dcr= 1.933ft H.JUMP IN PIPE Hev= .00ft
569.00	64.35	566.25	.000	CRIT.DEPTH CONTROL Vh= 1.197ft Dcr= 1.950ft H.JUMP IN PIPE Hev= .00ft
569.10	66.30	566.25	.000	CRIT.DEPTH CONTROL Vh= 1.253ft Dcr= 1.974ft H.JUMP IN PIPE Hev= .00ft
569.20	68.19	566.25	.000	CRIT.DEPTH CONTROL Vh= 1.298ft Dcr= 1.992ft H.JUMP IN PIPE Hev= .00ft
569.25	68.94	566.25	.000	CRIT.DEPTH CONTROL Vh= 1.329ft Dcr= 2.003ft H.JUMP IN PIPE Hev= .00ft
569.30	69.82	566.25	.000	CRIT.DEPTH CONTROL Vh= 1.348ft Dcr= 2.010ft H.JUMP IN PIPE Hev= .00ft
569.40	71.56	566.25	.000	CRIT.DEPTH CONTROL Vh= 1.396ft Dcr= 2.025ft H.JUMP IN PIPE Hev= .00ft
569.50	73.06	566.25	.000	

CRIT.DEPTH CONTROL Vh= 1.448ft Dcr= 2.040ft H.JUMP IN PIPE Hev= .00ft

569.60 74.70 566.25 .000

FULL FLOW...Lfull=70.01ft Vh=1.371ft HL=3.350ft Hev= .00ft

569.70 75.81 566.25 .000

FULL FLOW...Lfull=70.01ft Vh=1.413ft HL=3.450ft Hev= .00ft

569.75 76.37 566.25 .000

FULL FLOW...Lfull=70.01ft Vh=1.433ft HL=3.501ft Hev= .00ft

569.80 76.90 566.25 .000

FULL FLOW...Lfull=70.01ft Vh=1.453ft HL=3.550ft Hev= .00ft

569.90 77.98 566.25 .000

FULL FLOW...Lfull=70.01ft Vh=1.494ft HL=3.650ft Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	79.03	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.535ft HL=3.750ft Hev=.00ft
570.10	80.09	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.576ft HL=3.850ft Hev=.00ft
570.20	81.11	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.617ft HL=3.949ft Hev=.00ft
570.30	82.14	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.658ft HL=4.050ft Hev=.00ft
570.40	83.16	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.699ft HL=4.151ft Hev=.00ft
570.50	84.15	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.740ft HL=4.251ft Hev=.00ft
570.60	85.13	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.781ft HL=4.350ft Hev=.00ft
570.70	86.11	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.822ft HL=4.451ft Hev=.00ft
570.80	87.06	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.863ft HL=4.550ft Hev=.00ft
570.90	88.01	566.25	.000	

FULL FLOW...Lfull=70.01ft Vh=1.903ft HL=4.649ft Hev=
.00ft
571.00 88.95 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.944ft HL=4.750ft Hev=
.00ft
571.10 89.89 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.986ft HL=4.851ft Hev=
.00ft
571.20 90.80 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.026ft HL=4.949ft Hev=
.00ft
571.30 91.73 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.068ft HL=5.051ft Hev=
.00ft
571.40 92.62 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.108ft HL=5.150ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	93.51	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.149ft HL=5.249ft Hev=.00ft
571.60	94.41	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.190ft HL=5.350ft Hev=.00ft
571.70	95.29	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.231ft HL=5.450ft Hev=.00ft
571.80	96.16	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.272ft HL=5.550ft Hev=.00ft
571.90	97.02	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.313ft HL=5.651ft Hev=.00ft
572.00	97.88	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.354ft HL=5.751ft Hev=.00ft
572.10	98.72	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.395ft HL=5.850ft Hev=.00ft
572.20	99.57	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.436ft HL=5.951ft Hev=.00ft
572.30	100.40	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.477ft HL=6.051ft Hev=.00ft
572.40	101.22	566.25	.000	

FULL FLOW...Lfull=70.01ft Vh=2.518ft HL=6.150ft Hev=
.00ft
572.50 102.05 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.559ft HL=6.251ft Hev=
.00ft
572.60 102.85 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.600ft HL=6.350ft Hev=
.00ft
572.70 103.66 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.641ft HL=6.450ft Hev=
.00ft
572.80 104.46 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.681ft HL=6.549ft Hev=
.00ft
572.90 105.25 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.722ft HL=6.649ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	106.05	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.764ft HL=6.750ft Hev=.00ft
573.10	106.83	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.805ft HL=6.851ft Hev=.00ft
573.20	107.60	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.845ft HL=6.950ft Hev=.00ft
573.30	108.37	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.886ft HL=7.050ft Hev=.00ft
573.40	109.15	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.928ft HL=7.151ft Hev=.00ft
573.50	109.91	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.969ft HL=7.251ft Hev=.00ft
573.60	110.65	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=3.009ft HL=7.350ft Hev=.00ft
573.70	111.40	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=3.050ft HL=7.449ft Hev=.00ft
573.80	112.15	566.25	.000	FULL FLOW...Lfull=70.01ft Vh=3.091ft HL=7.550ft Hev=.00ft
573.90	112.89	566.25	.000	

FULL FLOW...Lfull=70.01ft Vh=3.132ft HL=7.649ft Hev=
.00ft
574.00 113.62 566.25 .000
FULL FLOW...Lfull=70.01ft Vh=3.173ft HL=7.749ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	566.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	566.25	.000	

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                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   565.90      -.00    566.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.00      -.00    566.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.10      -.00    566.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.20      -.00    566.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.25       .00    566.25   .000
                    Upstream HW & DNstream TW < Inv.El
   566.30       .00    566.25   .000
                    Upstream HW & DNstream TW < Inv.El

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
566.50	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El

567.75 .00 566.25 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 566.25 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
569.25	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	566.25	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	566.25	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	566.25	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	566.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    566.25   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    566.25   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	566.25	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	566.25	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	566.25	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	566.25	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	566.25	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	566.25	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	566.25	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	566.25	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	566.25	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	566.25	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	566.25	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    566.25   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	566.25	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	566.25	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	566.25	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	566.25	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	566.25	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	566.25	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	566.25	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	566.25	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	566.25	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	566.25	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	566.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    566.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    566.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    566.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    566.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    566.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-16.83	566.50	.000	REVERSE FULL: Lfull=8.73ft Vh=.070ft HL=.125ft Hev=.00ft
565.10	-16.83	566.50	.000	REVERSE FULL: Lfull=8.73ft Vh=.070ft HL=.125ft Hev=.00ft
565.20	-16.83	566.50	.000	REVERSE FULL: Lfull=8.73ft Vh=.070ft HL=.125ft Hev=.00ft
565.25	-16.83	566.50	.000	REVERSE FULL: Lfull=8.73ft Vh=.070ft HL=.125ft Hev=.00ft
565.30	-16.83	566.50	.000	REVERSE FULL: Lfull=8.73ft Vh=.070ft HL=.125ft Hev=.00ft
565.40	-16.83	566.50	.000	REVERSE FULL: Lfull=8.73ft Vh=.070ft HL=.125ft Hev=.00ft
565.50	-16.83	566.50	.000	REVERSE FULL: Lfull=8.73ft Vh=.070ft HL=.125ft Hev=.00ft
565.60	-16.83	566.50	.000	REVERSE FULL: Lfull=8.73ft Vh=.070ft HL=.125ft Hev=.00ft
565.70	-16.83	566.50	.000	REVERSE FULL: Lfull=8.73ft Vh=.070ft HL=.125ft Hev=.00ft
565.75	-16.83	566.50	.000	

```
                  REVERSE FULL: Lfull=8.73ft  Vh=.070ft  HL=.125ft Hev=
.00ft
   565.80    -16.83    566.50   .000
                  REVERSE FULL: Lfull=8.73ft  Vh=.070ft  HL=.125ft Hev=
.00ft
   565.90    -16.83    566.50   .000
                  REVERSE FULL: Lfull=8.73ft  Vh=.070ft  HL=.125ft Hev=
.00ft
   566.00    -16.83    566.50   .000
                  REVERSE FULL: Lfull=8.73ft  Vh=.070ft  HL=.125ft Hev=
.00ft
   566.10    -16.55    566.50   .000
                  REVERSE FULL: Lfull=9.08ft  Vh=.067ft  HL=.121ft Hev=
.00ft
   566.20    -15.54    566.50   .000
                  REVERSE FULL: Lfull=9.98ft  Vh=.059ft  HL=.107ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev,Device Q | Tail Water | Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.25	-14.73	566.50	.000	REVERSE FULL: Lfull=10.74ft Vh=.053ft HL=.097ft Hev=.00ft
566.30	-13.64	566.50	.000	REVERSE FULL: Lfull=11.67ft Vh=.046ft HL=.083ft Hev=.00ft
566.40	-10.30	566.50	.000	REVERSE FULL: Lfull=14.19ft Vh=.026ft HL=.048ft Hev=.00ft
566.50	.00	566.50	.000	HW = TW elev
566.60	11.31	566.50	.000	BACKWATER CONTROL.. Vh= .063ft hwDi= 1.493ft Lbw= 52.1ft Hev= .00ft
566.70	15.92	566.50	.000	BACKWATER CONTROL.. Vh= .127ft hwDi= 1.484ft Lbw= 51.7ft Hev= .00ft
566.75	17.73	566.50	.000	BACKWATER CONTROL.. Vh= .159ft hwDi= 1.479ft Lbw= 51.4ft Hev= .00ft
566.80	19.43	566.50	.000	BACKWATER CONTROL.. Vh= .193ft hwDi= 1.473ft Lbw= 51.2ft Hev= .00ft
566.90	22.30	566.50	.000	BACKWATER CONTROL.. Vh= .259ft hwDi= 1.459ft Lbw= 50.8ft Hev= .00ft
567.00	24.74	566.50	.000	BACKWATER CONTROL.. Vh= .331ft hwDi= 1.438ft Lbw= 50.3ft Hev= .00ft

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   567.10     26.78    566.50   .000
                  BACKWATER CONTROL.. Vh= .405ft  hwDi= 1.411ft  Lbw=
49.9ft Hev= .00ft
   567.20     28.33    566.50   .000
                  BACKWATER CONTROL.. Vh= .492ft  hwDi= 1.362ft  Lbw=
49.5ft Hev= .00ft
   567.25     28.84    566.50   .000
                  CRIT.DEPTH CONTROL  Vh= .546ft  Dcr= 1.318ft  H.JUMP
IN PIPE Hev= .00ft
   567.30     29.95    566.50   .000
                  CRIT.DEPTH CONTROL  Vh= .561ft  Dcr= 1.344ft  H.JUMP
IN PIPE Hev= .00ft
   567.40     31.86    566.50   .000
                  CRIT.DEPTH CONTROL  Vh= .594ft  Dcr= 1.397ft  H.JUMP
IN PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q		Tail Water		Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.50	34.02	566.50	.000	CRIT.DEPTH CONTROL Vh= .623ft Dcr= 1.441ft H.JUMP IN PIPE Hev= .00ft
567.60	36.17	566.50	.000	CRIT.DEPTH CONTROL Vh= .656ft Dcr= 1.489ft H.JUMP IN PIPE Hev= .00ft
567.70	38.39	566.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.529ft H.JUMP IN PIPE Hev= .00ft
567.75	39.43	566.50	.000	CRIT.DEPTH CONTROL Vh= .705ft Dcr= 1.555ft H.JUMP IN PIPE Hev= .00ft
567.80	40.50	566.50	.000	CRIT.DEPTH CONTROL Vh= .722ft Dcr= 1.577ft H.JUMP IN PIPE Hev= .00ft
567.90	42.79	566.50	.000	CRIT.DEPTH CONTROL Vh= .755ft Dcr= 1.616ft H.JUMP IN PIPE Hev= .00ft
568.00	44.74	566.50	.000	CRIT.DEPTH CONTROL Vh= .791ft Dcr= 1.656ft H.JUMP IN PIPE Hev= .00ft
568.10	46.89	566.50	.000	CRIT.DEPTH CONTROL Vh= .824ft Dcr= 1.691ft H.JUMP IN PIPE Hev= .00ft
568.20	48.88	566.50	.000	CRIT.DEPTH CONTROL Vh= .865ft Dcr= 1.731ft H.JUMP IN PIPE Hev= .00ft
568.25	49.90	566.50	.000	

```
                    CRIT.DEPTH CONTROL  Vh= .885ft  Dcr= 1.748ft  H.JUMP
IN PIPE Hev= .00ft
   568.30     50.92    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= .900ft  Dcr= 1.761ft  H.JUMP
IN PIPE Hev= .00ft
   568.40     53.19    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= .948ft  Dcr= 1.801ft  H.JUMP
IN PIPE Hev= .00ft
   568.50     55.01    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= .984ft  Dcr= 1.827ft  H.JUMP
IN PIPE Hev= .00ft
   568.60     56.89    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.022ft  Dcr= 1.854ft  H.JUMP
IN PIPE Hev= .00ft
   568.70     60.13    566.50   .000
                    BACKWATER CONTROL.. Vh= .959ft  hwDi= 2.071ft  Lbw=
18.6ft Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	61.00	566.50	.000	BACKWATER CONTROL.. Vh= .958ft hwDi= 2.120ft Lbw= 15.5ft Hev= .00ft
568.80	61.81	566.50	.000	BACKWATER CONTROL.. Vh= .964ft hwDi= 2.161ft Lbw= 12.2ft Hev= .00ft
568.90	63.23	566.50	.000	BACKWATER CONTROL.. Vh= .987ft hwDi= 2.222ft Lbw= 5.3ft Hev= .00ft
569.00	64.53	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.023ft HL=2.500ft Hev= .00ft
569.10	65.81	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.064ft HL=2.600ft Hev= .00ft
569.20	67.07	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.105ft HL=2.700ft Hev= .00ft
569.25	67.68	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.126ft HL=2.750ft Hev= .00ft
569.30	68.30	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.146ft HL=2.800ft Hev= .00ft
569.40	69.51	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.187ft HL=2.900ft Hev= .00ft
569.50	70.70	566.50	.000	

```
                    FULL FLOW...Lfull=70.01ft  Vh=1.228ft  HL=3.000ft Hev=
.00ft
   569.60     71.86    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.269ft  HL=3.100ft Hev=
.00ft
   569.70     73.02    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.310ft  HL=3.201ft Hev=
.00ft
   569.75     73.57    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.330ft  HL=3.249ft Hev=
.00ft
   569.80     74.14    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.351ft  HL=3.300ft Hev=
.00ft
   569.90     75.26    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.392ft  HL=3.400ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	76.36	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.433ft HL=3.500ft Hev=.00ft
570.10	77.45	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.474ft HL=3.601ft Hev=.00ft
570.20	78.50	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.515ft HL=3.699ft Hev=.00ft
570.30	79.56	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.555ft HL=3.799ft Hev=.00ft
570.40	80.61	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.597ft HL=3.900ft Hev=.00ft
570.50	81.64	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.638ft HL=4.000ft Hev=.00ft
570.60	82.64	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.678ft HL=4.100ft Hev=.00ft
570.70	83.65	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.720ft HL=4.200ft Hev=.00ft
570.80	84.63	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.760ft HL=4.300ft Hev=.00ft
570.90	85.62	566.50	.000	

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                    FULL FLOW...Lfull=70.01ft  Vh=1.801ft  HL=4.400ft Hev=
.00ft
   571.00     86.58    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.842ft  HL=4.500ft Hev=
.00ft
   571.10     87.54    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.883ft  HL=4.600ft Hev=
.00ft
   571.20     88.49    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.924ft  HL=4.701ft Hev=
.00ft
   571.30     89.42    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.965ft  HL=4.800ft Hev=
.00ft
   571.40     90.35    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.006ft  HL=4.900ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	91.27	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.047ft HL=5.000ft Hev=.00ft
571.60	92.17	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.088ft HL=5.100ft Hev=.00ft
571.70	93.07	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.129ft HL=5.200ft Hev=.00ft
571.80	93.97	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.170ft HL=5.300ft Hev=.00ft
571.90	94.85	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.211ft HL=5.401ft Hev=.00ft
572.00	95.72	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.252ft HL=5.500ft Hev=.00ft
572.10	96.59	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.293ft HL=5.600ft Hev=.00ft
572.20	97.44	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.333ft HL=5.699ft Hev=.00ft
572.30	98.29	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.374ft HL=5.799ft Hev=.00ft
572.40	99.14	566.50	.000	

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                    FULL FLOW...Lfull=70.01ft  Vh=2.416ft  HL=5.900ft Hev=
.00ft
   572.50     99.98    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.457ft  HL=6.001ft Hev=
.00ft
   572.60    100.80    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.497ft  HL=6.099ft Hev=
.00ft
   572.70    101.63    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.538ft  HL=6.200ft Hev=
.00ft
   572.80    102.45    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.579ft  HL=6.300ft Hev=
.00ft
   572.90    103.25    566.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.620ft  HL=6.400ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	104.06	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.661ft HL=6.500ft Hev=.00ft
573.10	104.86	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.702ft HL=6.600ft Hev=.00ft
573.20	105.64	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.743ft HL=6.699ft Hev=.00ft
573.30	106.43	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.784ft HL=6.799ft Hev=.00ft
573.40	107.22	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.825ft HL=6.900ft Hev=.00ft
573.50	107.99	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.866ft HL=7.001ft Hev=.00ft
573.60	108.75	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.907ft HL=7.100ft Hev=.00ft
573.70	109.52	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.948ft HL=7.200ft Hev=.00ft
573.80	110.28	566.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.989ft HL=7.301ft Hev=.00ft
573.90	111.04	566.50	.000	

FULL FLOW...Lfull=70.01ft Vh=3.030ft HL=7.401ft Hev=
.00ft
574.00 111.77 566.50 .000
FULL FLOW...Lfull=70.01ft Vh=3.070ft HL=7.499ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	566.50	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 566.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 566.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 566.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 566.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 566.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 566.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.40	-.00	566.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
566.60	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
566.70	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
566.75	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.60	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.70	.00	566.50	.000	

Upstream HW & DNstream TW < Inv.El
567.75 .00 566.50 .000
Upstream HW & DNstream TW < Inv.El

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 566.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
569.25	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	566.50	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	566.50	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	566.50	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	566.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    566.50   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    566.50   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	566.50	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	566.50	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	566.50	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	566.50	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	566.50	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	566.50	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	566.50	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	566.50	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	566.50	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	566.50	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	566.50	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	566.50	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	566.50	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	566.50	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	566.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	566.50	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	566.50	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	566.50	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	566.50	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	566.50	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	566.50	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	566.50	.000	

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                    CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    566.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-21.36	566.75	.000	REVERSE FULL: Lfull=20.05ft Vh=.112ft HL=.215ft Hev=.00ft
565.10	-21.36	566.75	.000	REVERSE FULL: Lfull=20.05ft Vh=.112ft HL=.215ft Hev=.00ft
565.20	-21.36	566.75	.000	REVERSE FULL: Lfull=20.05ft Vh=.112ft HL=.215ft Hev=.00ft
565.25	-21.36	566.75	.000	REVERSE FULL: Lfull=20.05ft Vh=.112ft HL=.215ft Hev=.00ft
565.30	-21.36	566.75	.000	REVERSE FULL: Lfull=20.05ft Vh=.112ft HL=.215ft Hev=.00ft
565.40	-21.36	566.75	.000	REVERSE FULL: Lfull=20.05ft Vh=.112ft HL=.215ft Hev=.00ft
565.50	-21.36	566.75	.000	REVERSE FULL: Lfull=20.05ft Vh=.112ft HL=.215ft Hev=.00ft
565.60	-21.36	566.75	.000	REVERSE FULL: Lfull=20.05ft Vh=.112ft HL=.215ft Hev=.00ft
565.70	-21.36	566.75	.000	REVERSE FULL: Lfull=20.05ft Vh=.112ft HL=.215ft Hev=.00ft
565.75	-21.36	566.75	.000	

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                  REVERSE FULL: Lfull=20.05ft  Vh=.112ft  HL=.215ft Hev=
.00ft
   565.80    -21.36    566.75   .000
                  REVERSE FULL: Lfull=20.05ft  Vh=.112ft  HL=.215ft Hev=
.00ft
   565.90    -21.36    566.75   .000
                  REVERSE FULL: Lfull=20.05ft  Vh=.112ft  HL=.215ft Hev=
.00ft
   566.00    -21.36    566.75   .000
                  REVERSE FULL: Lfull=20.05ft  Vh=.112ft  HL=.215ft Hev=
.00ft
   566.10    -21.36    566.75   .000
                  REVERSE FULL: Lfull=20.05ft  Vh=.112ft  HL=.215ft Hev=
.00ft
   566.20    -21.22    566.75   .000
                  REVERSE FULL: Lfull=20.22ft  Vh=.111ft  HL=.212ft Hev=
.00ft

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   PondPack Ver:                  Compute Time:             Date:
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Name.... Outlet 3

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-20.96	566.75	.000	REVERSE FULL: Lfull=20.51ft Vh=.108ft HL=.207ft Hev=.00ft
566.30	-20.55	566.75	.000	REVERSE FULL: Lfull=21.00ft Vh=.104ft HL=.200ft Hev=.00ft
566.40	-19.26	566.75	.000	REVERSE FULL: Lfull=22.64ft Vh=.091ft HL=.177ft Hev=.00ft
566.50	-17.17	566.75	.000	REVERSE FULL: Lfull=25.10ft Vh=.072ft HL=.142ft Hev=.00ft
566.60	-13.83	566.75	.000	REVERSE FULL: Lfull=28.36ft Vh=.047ft HL=.094ft Hev=.00ft
566.70	-8.39	566.75	.000	REVERSE FULL: Lfull=32.59ft Vh=.017ft HL=.035ft Hev=.00ft
566.75	.00	566.75	.000	HW = TW elev
566.80	8.64	566.75	.000	BACKWATER CONTROL.. Vh= .026ft hwDi= 1.755ft Lbw=34.5ft Hev= .00ft
566.90	15.02	566.75	.000	BACKWATER CONTROL.. Vh= .078ft hwDi= 1.767ft Lbw=33.5ft Hev= .00ft
567.00	19.43	566.75	.000	BACKWATER CONTROL.. Vh= .129ft hwDi= 1.781ft Lbw=32.4ft Hev= .00ft

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   567.10     23.12    566.75   .000
                  BACKWATER CONTROL.. Vh= .179ft  hwDi= 1.796ft  Lbw=
31.2ft Hev= .00ft
   567.20     26.27    566.75   .000
                  BACKWATER CONTROL.. Vh= .227ft  hwDi= 1.814ft  Lbw=
30.0ft Hev= .00ft
   567.25     27.75    566.75   .000
                  BACKWATER CONTROL.. Vh= .251ft  hwDi= 1.823ft  Lbw=
29.3ft Hev= .00ft
   567.30     29.13    566.75   .000
                  BACKWATER CONTROL.. Vh= .274ft  hwDi= 1.834ft  Lbw=
28.6ft Hev= .00ft
   567.40     31.82    566.75   .000
                  BACKWATER CONTROL.. Vh= .319ft  hwDi= 1.858ft  Lbw=
27.1ft Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.50	34.36	566.75	.000	BACKWATER CONTROL.. Vh= .362ft hwDi= 1.885ft Lbw= 25.4ft Hev= .00ft
567.60	36.73	566.75	.000	BACKWATER CONTROL.. Vh= .402ft hwDi= 1.917ft Lbw= 23.6ft Hev= .00ft
567.70	38.99	566.75	.000	BACKWATER CONTROL.. Vh= .440ft hwDi= 1.951ft Lbw= 21.6ft Hev= .00ft
567.75	40.08	566.75	.000	BACKWATER CONTROL.. Vh= .458ft hwDi= 1.970ft Lbw= 20.5ft Hev= .00ft
567.80	41.19	566.75	.000	BACKWATER CONTROL.. Vh= .475ft hwDi= 1.992ft Lbw= 19.3ft Hev= .00ft
567.90	43.30	566.75	.000	BACKWATER CONTROL.. Vh= .510ft hwDi= 2.034ft Lbw= 16.8ft Hev= .00ft
568.00	45.32	566.75	.000	BACKWATER CONTROL.. Vh= .541ft hwDi= 2.080ft Lbw= 14.0ft Hev= .00ft
568.10	47.22	566.75	.000	BACKWATER CONTROL.. Vh= .572ft hwDi= 2.126ft Lbw= 11.0ft Hev= .00ft
568.20	49.05	566.75	.000	BACKWATER CONTROL.. Vh= .604ft hwDi= 2.172ft Lbw= 7.6ft Hev= .00ft
568.25	49.95	566.75	.000	

BACKWATER CONTROL.. Vh= .622ft hwDi= 2.194ft Lbw= 5.7ft Hev= .00ft
568.30 50.80 566.75 .000
BACKWATER CONTROL.. Vh= .638ft hwDi= 2.215ft Lbw= 3.8ft Hev= .00ft
568.40 52.44 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=.676ft HL=1.651ft Hev= .00ft
568.50 54.00 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=.717ft HL=1.750ft Hev= .00ft
568.60 55.51 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=.757ft HL=1.850ft Hev= .00ft
568.70 57.00 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=.798ft HL=1.950ft Hev= .00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	57.72	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=.819ft HL=2.000ft Hev=.00ft
568.80	58.43	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=.839ft HL=2.049ft Hev=.00ft
568.90	59.85	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=.880ft HL=2.150ft Hev=.00ft
569.00	61.23	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=.921ft HL=2.251ft Hev=.00ft
569.10	62.56	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=.962ft HL=2.350ft Hev=.00ft
569.20	63.88	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.003ft HL=2.450ft Hev=.00ft
569.25	64.52	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.023ft HL=2.499ft Hev=.00ft
569.30	65.18	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.044ft HL=2.550ft Hev=.00ft
569.40	66.45	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.085ft HL=2.650ft Hev=.00ft
569.50	67.69	566.75	.000	

FULL FLOW...Lfull=70.01ft Vh=1.126ft HL=2.751ft Hev=
.00ft
569.60 68.90 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.167ft HL=2.850ft Hev=
.00ft
569.70 70.09 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.207ft HL=2.949ft Hev=
.00ft
569.75 70.70 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.228ft HL=3.000ft Hev=
.00ft
569.80 71.29 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.249ft HL=3.050ft Hev=
.00ft
569.90 72.44 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.290ft HL=3.150ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	73.58	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.330ft HL=3.249ft Hev=.00ft
570.10	74.71	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.372ft HL=3.351ft Hev=.00ft
570.20	75.81	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.412ft HL=3.450ft Hev=.00ft
570.30	76.91	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.454ft HL=3.551ft Hev=.00ft
570.40	77.97	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.494ft HL=3.649ft Hev=.00ft
570.50	79.03	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.535ft HL=3.749ft Hev=.00ft
570.60	80.09	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.576ft HL=3.851ft Hev=.00ft
570.70	81.12	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.617ft HL=3.950ft Hev=.00ft
570.80	82.13	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.658ft HL=4.049ft Hev=.00ft
570.90	83.16	566.75	.000	

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                    FULL FLOW...Lfull=70.01ft  Vh=1.699ft  HL=4.151ft Hev=
.00ft
   571.00     84.14    566.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.740ft  HL=4.249ft Hev=
.00ft
   571.10     85.12    566.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.781ft  HL=4.349ft Hev=
.00ft
   571.20     86.10    566.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.822ft  HL=4.450ft Hev=
.00ft
   571.30     87.06    566.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.863ft  HL=4.550ft Hev=
.00ft
   571.40     88.01    566.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.903ft  HL=4.649ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	88.95	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.944ft HL=4.749ft Hev=.00ft
571.60	89.88	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.985ft HL=4.849ft Hev=.00ft
571.70	90.82	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.027ft HL=4.951ft Hev=.00ft
571.80	91.71	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.067ft HL=5.049ft Hev=.00ft
571.90	92.63	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.109ft HL=5.150ft Hev=.00ft
572.00	93.52	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.149ft HL=5.250ft Hev=.00ft
572.10	94.40	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.190ft HL=5.349ft Hev=.00ft
572.20	95.28	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.231ft HL=5.450ft Hev=.00ft
572.30	96.16	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.272ft HL=5.550ft Hev=.00ft
572.40	97.02	566.75	.000	

FULL FLOW...Lfull=70.01ft Vh=2.313ft HL=5.650ft Hev=
.00ft
572.50 97.87 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.354ft HL=5.749ft Hev=
.00ft
572.60 98.72 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.395ft HL=5.850ft Hev=
.00ft
572.70 99.56 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.436ft HL=5.950ft Hev=
.00ft
572.80 100.39 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.477ft HL=6.049ft Hev=
.00ft
572.90 101.22 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.518ft HL=6.150ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	102.04	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.559ft HL=6.250ft Hev=.00ft
573.10	102.85	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.600ft HL=6.350ft Hev=.00ft
573.20	103.66	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.641ft HL=6.450ft Hev=.00ft
573.30	104.46	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.682ft HL=6.550ft Hev=.00ft
573.40	105.26	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.723ft HL=6.651ft Hev=.00ft
573.50	106.04	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.763ft HL=6.749ft Hev=.00ft
573.60	106.83	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.804ft HL=6.850ft Hev=.00ft
573.70	107.61	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.846ft HL=6.951ft Hev=.00ft
573.80	108.37	566.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.886ft HL=7.050ft Hev=.00ft
573.90	109.14	566.75	.000	

FULL FLOW...Lfull=70.01ft Vh=2.927ft HL=7.150ft Hev=
.00ft
574.00 109.90 566.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.968ft HL=7.250ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	566.75	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 566.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 566.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 566.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 566.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 566.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 566.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.40	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	566.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
566.80	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
566.90	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
567.00	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
567.50	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El

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567.60       .00    566.75   .000
                Upstream HW & DNstream TW < Inv.El
567.70       .00    566.75   .000
                Upstream HW & DNstream TW < Inv.El
567.75       .00    566.75   .000
                Upstream HW & DNstream TW < Inv.El

S/N:
PondPack Ver:                  Compute Time:            Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 566.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
569.25	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	566.75	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	566.75	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	566.75	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	566.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	566.75	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	566.75	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	566.75	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	566.75	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	566.75	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	566.75	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	566.75	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	566.75	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	566.75	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	566.75	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	566.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	566.75	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	566.75	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	566.75	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	566.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	566.75	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	566.75	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	566.75	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	566.75	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	566.75	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	566.75	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	566.75	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    566.75   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
565.10	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
565.20	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
565.25	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
565.30	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
565.40	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
565.50	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
565.60	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
565.70	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
565.75	-25.80	567.00	.000	

```
                  REVERSE FULL: Lfull=29.49ft  Vh=.164ft  HL=.329ft Hev=
.00ft
   565.80    -25.80    567.00   .000
                  REVERSE FULL: Lfull=29.49ft  Vh=.164ft  HL=.329ft Hev=
.00ft
   565.90    -25.80    567.00   .000
                  REVERSE FULL: Lfull=29.49ft  Vh=.164ft  HL=.329ft Hev=
.00ft
   566.00    -25.80    567.00   .000
                  REVERSE FULL: Lfull=29.49ft  Vh=.164ft  HL=.329ft Hev=
.00ft
   566.10    -25.80    567.00   .000
                  REVERSE FULL: Lfull=29.49ft  Vh=.164ft  HL=.329ft Hev=
.00ft
   566.20    -25.80    567.00   .000
                  REVERSE FULL: Lfull=29.49ft  Vh=.164ft  HL=.329ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-25.80	567.00	.000	REVERSE FULL: Lfull=29.49ft Vh=.164ft HL=.329ft Hev=.00ft
566.30	-25.75	567.00	.000	REVERSE FULL: Lfull=29.55ft Vh=.163ft HL=.328ft Hev=.00ft
566.40	-25.27	567.00	.000	REVERSE FULL: Lfull=30.27ft Vh=.157ft HL=.317ft Hev=.00ft
566.50	-24.27	567.00	.000	REVERSE FULL: Lfull=31.86ft Vh=.145ft HL=.295ft Hev=.00ft
566.60	-22.65	567.00	.000	REVERSE FULL: Lfull=34.27ft Vh=.126ft HL=.260ft Hev=.00ft
566.70	-20.31	567.00	.000	REVERSE FULL: Lfull=37.55ft Vh=.101ft HL=.213ft Hev=.00ft
566.75	-18.88	567.00	.000	REVERSE FULL: Lfull=39.54ft Vh=.088ft HL=.186ft Hev=.00ft
566.80	-17.07	567.00	.000	REVERSE FULL: Lfull=41.69ft Vh=.072ft HL=.153ft Hev=.00ft
566.90	-12.40	567.00	.000	REVERSE FULL: Lfull=46.71ft Vh=.038ft HL=.083ft Hev=.00ft
567.00	.00	567.00	.000	HW = TW elev

```
   567.10     12.80    567.00   .000
                  BACKWATER CONTROL.. Vh= .045ft  hwDi= 2.025ft  Lbw=
15.9ft Hev= .00ft
   567.20     18.07    567.00   .000
                  BACKWATER CONTROL.. Vh= .088ft  hwDi= 2.051ft  Lbw=
14.2ft Hev= .00ft
   567.25     20.22    567.00   .000
                  BACKWATER CONTROL.. Vh= .109ft  hwDi= 2.065ft  Lbw=
13.3ft Hev= .00ft
   567.30     22.20    567.00   .000
                  BACKWATER CONTROL.. Vh= .130ft  hwDi= 2.079ft  Lbw=
12.3ft Hev= .00ft
   567.40     25.68    567.00   .000
                  BACKWATER CONTROL.. Vh= .171ft  hwDi= 2.110ft  Lbw=
10.3ft Hev= .00ft

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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	28.76	567.00	.000	BACKWATER CONTROL.. Vh= .211ft hwDi= 2.142ft Lbw= 8.2ft Hev= .00ft
567.60	31.56	567.00	.000	BACKWATER CONTROL.. Vh= .250ft hwDi= 2.175ft Lbw= 5.8ft Hev= .00ft
567.70	34.15	567.00	.000	BACKWATER CONTROL.. Vh= .289ft hwDi= 2.210ft Lbw= 3.3ft Hev= .00ft
567.75	35.32	567.00	.000	BACKWATER CONTROL.. Vh= .308ft hwDi= 2.226ft Lbw= 2.0ft Hev= .00ft
567.80	36.51	567.00	.000	BACKWATER CONTROL.. Vh= .328ft hwDi= 2.243ft Lbw= .6ft Hev= .00ft
567.90	38.72	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.368ft HL=.900ft Hev= .00ft
568.00	40.84	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.410ft HL=1.001ft Hev= .00ft
568.10	42.81	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.450ft HL=1.100ft Hev= .00ft
568.20	44.72	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.491ft HL=1.200ft Hev= .00ft
568.25	45.64	567.00	.000	

```
                    FULL FLOW...Lfull=70.01ft  Vh=.512ft  HL=1.251ft Hev=
.00ft
   568.30     46.55    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.532ft  HL=1.300ft Hev=
.00ft
   568.40     48.30    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.573ft  HL=1.400ft Hev=
.00ft
   568.50     49.99    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.614ft  HL=1.500ft Hev=
.00ft
   568.60     51.63    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.655ft  HL=1.600ft Hev=
.00ft
   568.70     53.23    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.696ft  HL=1.701ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	53.99	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.716ft HL=1.750ft Hev=.00ft
568.80	54.75	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.737ft HL=1.800ft Hev=.00ft
568.90	56.26	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.778ft HL=1.900ft Hev=.00ft
569.00	57.72	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.819ft HL=2.000ft Hev=.00ft
569.10	59.14	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.860ft HL=2.100ft Hev=.00ft
569.20	60.54	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.901ft HL=2.200ft Hev=.00ft
569.25	61.22	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.921ft HL=2.250ft Hev=.00ft
569.30	61.90	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.942ft HL=2.300ft Hev=.00ft
569.40	63.23	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=.983ft HL=2.400ft Hev=.00ft
569.50	64.54	567.00	.000	

```
                    FULL FLOW...Lfull=70.01ft  Vh=1.024ft  HL=2.500ft Hev=
.00ft
   569.60     65.81    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.064ft  HL=2.600ft Hev=
.00ft
   569.70     67.07    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.105ft  HL=2.700ft Hev=
.00ft
   569.75     67.69    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.126ft  HL=2.750ft Hev=
.00ft
   569.80     68.29    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.146ft  HL=2.799ft Hev=
.00ft
   569.90     69.50    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.187ft  HL=2.899ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	70.69	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.228ft HL=3.000ft Hev=.00ft
570.10	71.87	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.269ft HL=3.101ft Hev=.00ft
570.20	73.01	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.310ft HL=3.200ft Hev=.00ft
570.30	74.14	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.351ft HL=3.300ft Hev=.00ft
570.40	75.27	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.392ft HL=3.401ft Hev=.00ft
570.50	76.36	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.433ft HL=3.500ft Hev=.00ft
570.60	77.43	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.473ft HL=3.599ft Hev=.00ft
570.70	78.52	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.515ft HL=3.701ft Hev=.00ft
570.80	79.57	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.556ft HL=3.800ft Hev=.00ft
570.90	80.61	567.00	.000	

FULL FLOW...Lfull=70.01ft Vh=1.597ft HL=3.900ft Hev=
.00ft
571.00 81.63 567.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.637ft HL=3.999ft Hev=
.00ft
571.10 82.65 567.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.679ft HL=4.100ft Hev=
.00ft
571.20 83.64 567.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.719ft HL=4.199ft Hev=
.00ft
571.30 84.64 567.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.760ft HL=4.300ft Hev=
.00ft
571.40 85.61 567.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.801ft HL=4.400ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	86.59	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.843ft HL=4.501ft Hev=.00ft
571.60	87.54	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.883ft HL=4.600ft Hev=.00ft
571.70	88.49	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.924ft HL=4.700ft Hev=.00ft
571.80	89.43	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.965ft HL=4.800ft Hev=.00ft
571.90	90.36	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.006ft HL=4.901ft Hev=.00ft
572.00	91.26	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.047ft HL=5.000ft Hev=.00ft
572.10	92.17	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.088ft HL=5.100ft Hev=.00ft
572.20	93.08	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.129ft HL=5.201ft Hev=.00ft
572.30	93.97	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.170ft HL=5.301ft Hev=.00ft
572.40	94.84	567.00	.000	

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                    FULL FLOW...Lfull=70.01ft  Vh=2.210ft  HL=5.399ft Hev=
.00ft
   572.50     95.72    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.252ft  HL=5.500ft Hev=
.00ft
   572.60     96.58    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.292ft  HL=5.600ft Hev=
.00ft
   572.70     97.45    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.334ft  HL=5.700ft Hev=
.00ft
   572.80     98.30    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.375ft  HL=5.800ft Hev=
.00ft
   572.90     99.14    567.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=2.416ft  HL=5.900ft Hev=
.00ft

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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	99.97	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.456ft HL=6.000ft Hev=.00ft
573.10	100.81	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.497ft HL=6.100ft Hev=.00ft
573.20	101.63	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.538ft HL=6.200ft Hev=.00ft
573.30	102.45	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.579ft HL=6.300ft Hev=.00ft
573.40	103.26	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.620ft HL=6.400ft Hev=.00ft
573.50	104.06	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.661ft HL=6.501ft Hev=.00ft
573.60	104.86	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.702ft HL=6.600ft Hev=.00ft
573.70	105.65	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.743ft HL=6.700ft Hev=.00ft
573.80	106.43	567.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.784ft HL=6.800ft Hev=.00ft
573.90	107.22	567.00	.000	

FULL FLOW...Lfull=70.01ft Vh=2.825ft HL=6.901ft Hev=
.00ft
574.00 107.99 567.00 .000
FULL FLOW...Lfull=70.01ft Vh=2.866ft HL=7.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	567.00	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 567.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 567.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 567.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 567.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 567.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 567.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.40	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	567.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
567.10	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
567.20	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
567.25	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
567.30	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
567.40	.00	567.00	.000	

```
                  Upstream HW & DNstream TW < Inv.El
567.50       .00    567.00   .000
                  Upstream HW & DNstream TW < Inv.El
567.60       .00    567.00   .000
                  Upstream HW & DNstream TW < Inv.El
567.70       .00    567.00   .000
                  Upstream HW & DNstream TW < Inv.El
567.75       .00    567.00   .000
                  Upstream HW & DNstream TW < Inv.El

S/N:
PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 567.00 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
569.25	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	567.00	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	567.00	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
570.40	.18	567.00	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft CRIT.DEPTH Hev= .00ft
570.50	.38	567.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft
CRIT.DEPTH Hev= .00ft
   570.60       .57    567.00   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    567.00   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	567.00	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	567.00	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	567.00	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	567.00	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	567.00	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	567.00	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	567.00	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	567.00	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	567.00	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	567.00	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	567.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    567.00   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    567.00   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    567.00   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    567.00   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    567.00   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    567.00   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	567.00	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	567.00	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	567.00	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	567.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	567.00	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	567.00	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	567.00	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	567.00	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	567.00	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	567.00	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	567.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    567.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    567.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    567.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    567.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    567.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
565.10	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
565.20	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
565.25	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
565.30	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
565.40	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
565.50	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
565.60	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
565.70	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
565.75	-30.16	567.25	.000	

REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=
.00ft
565.80 -30.16 567.25 .000
REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=
.00ft
565.90 -30.16 567.25 .000
REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=
.00ft
566.00 -30.16 567.25 .000
REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=
.00ft
566.10 -30.16 567.25 .000
REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=
.00ft
566.20 -30.16 567.25 .000
REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
566.30	-30.16	567.25	.000	REVERSE FULL: Lfull=37.21ft Vh=.224ft HL=.468ft Hev=.00ft
566.40	-30.14	567.25	.000	REVERSE FULL: Lfull=37.26ft Vh=.223ft HL=.468ft Hev=.00ft
566.50	-29.75	567.25	.000	REVERSE FULL: Lfull=37.99ft Vh=.218ft HL=.458ft Hev=.00ft
566.60	-28.90	567.25	.000	REVERSE FULL: Lfull=39.59ft Vh=.205ft HL=.435ft Hev=.00ft
566.70	-27.56	567.25	.000	REVERSE FULL: Lfull=42.02ft Vh=.187ft HL=.401ft Hev=.00ft
566.75	-26.66	567.25	.000	REVERSE FULL: Lfull=43.54ft Vh=.175ft HL=.377ft Hev=.00ft
566.80	-25.65	567.25	.000	REVERSE FULL: Lfull=45.32ft Vh=.162ft HL=.353ft Hev=.00ft
566.90	-23.17	567.25	.000	REVERSE FULL: Lfull=49.48ft Vh=.132ft HL=.294ft Hev=.00ft
567.00	-19.93	567.25	.000	

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                  REVERSE FULL: Lfull=54.43ft  Vh=.098ft  HL=.222ft Hev=
.00ft
   567.10    -15.64    567.25   .000
                  REVERSE FULL: Lfull=60.16ft  Vh=.060ft  HL=.141ft Hev=
.00ft
   567.20     -9.16    567.25   .000
                  REVERSE FULL: Lfull=66.57ft  Vh=.021ft  HL=.050ft Hev=
.00ft
   567.25       .00    567.25   .000
                  HW = TW elev
   567.30      9.09    567.25   .000
                  FULL FLOW...Lfull=70.01ft  Vh=.020ft  HL=.050ft Hev=
.00ft
   567.40     15.85    567.25   .000
                  FULL FLOW...Lfull=70.01ft  Vh=.062ft  HL=.151ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	20.38	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.102ft HL=.249ft Hev=.00ft
567.60	24.15	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.143ft HL=.350ft Hev=.00ft
567.70	27.37	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.184ft HL=.450ft Hev=.00ft
567.75	28.83	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.204ft HL=.499ft Hev=.00ft
567.80	30.25	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.225ft HL=.549ft Hev=.00ft
567.90	32.91	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.266ft HL=.650ft Hev=.00ft
568.00	35.35	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.307ft HL=.750ft Hev=.00ft
568.10	37.62	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.348ft HL=.850ft Hev=.00ft
568.20	39.77	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.389ft HL=.949ft Hev=.00ft
568.25	40.82	567.25	.000	

FULL FLOW...Lfull=70.01ft Vh=.409ft HL=1.000ft Hev=
.00ft
568.30 41.82 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=.430ft HL=1.050ft Hev=
.00ft
568.40 43.78 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=.471ft HL=1.150ft Hev=
.00ft
568.50 45.62 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=.512ft HL=1.250ft Hev=
.00ft
568.60 47.43 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=.553ft HL=1.350ft Hev=
.00ft
568.70 49.15 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=.594ft HL=1.450ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 3

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	50.00	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.614ft HL=1.501ft Hev=.00ft
568.80	50.82	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.635ft HL=1.550ft Hev=.00ft
568.90	52.44	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.676ft HL=1.651ft Hev=.00ft
569.00	54.01	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.717ft HL=1.751ft Hev=.00ft
569.10	55.51	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.757ft HL=1.850ft Hev=.00ft
569.20	56.99	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.798ft HL=1.950ft Hev=.00ft
569.25	57.73	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.819ft HL=2.001ft Hev=.00ft
569.30	58.44	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.839ft HL=2.050ft Hev=.00ft
569.40	59.86	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=.881ft HL=2.151ft Hev=.00ft
569.50	61.23	567.25	.000	

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                    FULL FLOW...Lfull=70.01ft  Vh=.921ft  HL=2.251ft Hev=
.00ft
   569.60     62.56    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.962ft  HL=2.350ft Hev=
.00ft
   569.70     63.89    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.003ft  HL=2.450ft Hev=
.00ft
   569.75     64.54    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.024ft  HL=2.500ft Hev=
.00ft
   569.80     65.18    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.044ft  HL=2.550ft Hev=
.00ft
   569.90     66.44    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.085ft  HL=2.650ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	67.69	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.126ft HL=2.750ft Hev=.00ft
570.10	68.91	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.167ft HL=2.850ft Hev=.00ft
570.20	70.09	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.207ft HL=2.949ft Hev=.00ft
570.30	71.28	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.249ft HL=3.050ft Hev=.00ft
570.40	72.44	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.290ft HL=3.150ft Hev=.00ft
570.50	73.58	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.331ft HL=3.250ft Hev=.00ft
570.60	74.71	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.372ft HL=3.350ft Hev=.00ft
570.70	75.81	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.412ft HL=3.449ft Hev=.00ft
570.80	76.91	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.454ft HL=3.551ft Hev=.00ft
570.90	77.99	567.25	.000	

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                    FULL FLOW...Lfull=70.01ft  Vh=1.495ft  HL=3.651ft Hev=
.00ft
   571.00     79.05    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.535ft  HL=3.751ft Hev=
.00ft
   571.10     80.09    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.576ft  HL=3.850ft Hev=
.00ft
   571.20     81.12    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.617ft  HL=3.950ft Hev=
.00ft
   571.30     82.14    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.658ft  HL=4.050ft Hev=
.00ft
   571.40     83.15    567.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.699ft  HL=4.150ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	84.14	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.740ft HL=4.249ft Hev=.00ft
571.60	85.12	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.781ft HL=4.349ft Hev=.00ft
571.70	86.11	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.822ft HL=4.451ft Hev=.00ft
571.80	87.06	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.863ft HL=4.550ft Hev=.00ft
571.90	88.01	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.903ft HL=4.649ft Hev=.00ft
572.00	88.96	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.945ft HL=4.750ft Hev=.00ft
572.10	89.89	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.986ft HL=4.850ft Hev=.00ft
572.20	90.81	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.027ft HL=4.950ft Hev=.00ft
572.30	91.72	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.067ft HL=5.050ft Hev=.00ft
572.40	92.62	567.25	.000	

FULL FLOW...Lfull=70.01ft Vh=2.108ft HL=5.150ft Hev=
.00ft
572.50 93.52 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.150ft HL=5.250ft Hev=
.00ft
572.60 94.41 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.190ft HL=5.350ft Hev=
.00ft
572.70 95.28 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.231ft HL=5.450ft Hev=
.00ft
572.80 96.16 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.272ft HL=5.550ft Hev=
.00ft
572.90 97.02 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.313ft HL=5.651ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	97.87	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.354ft HL=5.749ft Hev=.00ft
573.10	98.71	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.395ft HL=5.849ft Hev=.00ft
573.20	99.56	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.436ft HL=5.950ft Hev=.00ft
573.30	100.39	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.477ft HL=6.050ft Hev=.00ft
573.40	101.22	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.518ft HL=6.150ft Hev=.00ft
573.50	102.04	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.559ft HL=6.250ft Hev=.00ft
573.60	102.86	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.600ft HL=6.350ft Hev=.00ft
573.70	103.67	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.641ft HL=6.451ft Hev=.00ft
573.80	104.46	567.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.682ft HL=6.550ft Hev=.00ft
573.90	105.25	567.25	.000	

FULL FLOW...Lfull=70.01ft Vh=2.722ft HL=6.650ft Hev=
.00ft
574.00 106.04 567.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.763ft HL=6.750ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	567.25	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 567.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 567.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 567.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 567.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 567.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 567.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
566.40	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	567.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El

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567.30       .00    567.25   .000
               Upstream HW & DNstream TW < Inv.El
567.40       .00    567.25   .000
               Upstream HW & DNstream TW < Inv.El
567.50       .00    567.25   .000
               Upstream HW & DNstream TW < Inv.El
567.60       .00    567.25   .000
               Upstream HW & DNstream TW < Inv.El
567.70       .00    567.25   .000
               Upstream HW & DNstream TW < Inv.El
567.75       .00    567.25   .000
               Upstream HW & DNstream TW < Inv.El

S/N:
PondPack Ver:                  Compute Time:            Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.80	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 567.25 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	567.25	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	567.25	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	567.25	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft
570.50	.38	567.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft
CRIT.DEPTH Hev= .00ft
   570.70       .88    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q		Tail Water		Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
570.80	1.23	567.25	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
570.90	1.62	567.25	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
571.00	2.01	567.25	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft CRIT.DEPTH Hev= .00ft
571.10	2.52	567.25	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	567.25	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	567.25	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	567.25	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	567.25	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	567.25	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	567.25	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	567.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	567.25	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	567.25	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	567.25	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	567.25	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	567.25	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	567.25	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	567.25	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	567.25	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	567.25	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	567.25	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	567.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    567.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
565.10	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
565.20	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
565.25	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
565.30	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
565.40	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
565.50	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
565.60	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
565.70	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
565.75	-34.40	567.50	.000	

```
                  REVERSE FULL: Lfull=43.50ft  Vh=.291ft  HL=.629ft Hev=
.00ft
   565.80    -34.40    567.50   .000
                  REVERSE FULL: Lfull=43.50ft  Vh=.291ft  HL=.629ft Hev=
.00ft
   565.90    -34.40    567.50   .000
                  REVERSE FULL: Lfull=43.50ft  Vh=.291ft  HL=.629ft Hev=
.00ft
   566.00    -34.40    567.50   .000
                  REVERSE FULL: Lfull=43.50ft  Vh=.291ft  HL=.629ft Hev=
.00ft
   566.10    -34.40    567.50   .000
                  REVERSE FULL: Lfull=43.50ft  Vh=.291ft  HL=.629ft Hev=
.00ft
   566.20    -34.40    567.50   .000
                  REVERSE FULL: Lfull=43.50ft  Vh=.291ft  HL=.629ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
566.30	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
566.40	-34.40	567.50	.000	REVERSE FULL: Lfull=43.50ft Vh=.291ft HL=.629ft Hev=.00ft
566.50	-34.38	567.50	.000	REVERSE FULL: Lfull=43.56ft Vh=.290ft HL=.628ft Hev=.00ft
566.60	-34.00	567.50	.000	REVERSE FULL: Lfull=44.35ft Vh=.284ft HL=.617ft Hev=.00ft
566.70	-33.19	567.50	.000	REVERSE FULL: Lfull=45.99ft Vh=.271ft HL=.592ft Hev=.00ft
566.75	-32.64	567.50	.000	REVERSE FULL: Lfull=47.18ft Vh=.262ft HL=.576ft Hev=.00ft
566.80	-32.00	567.50	.000	REVERSE FULL: Lfull=48.56ft Vh=.252ft HL=.557ft Hev=.00ft
566.90	-30.33	567.50	.000	REVERSE FULL: Lfull=51.92ft Vh=.226ft HL=.509ft Hev=.00ft
567.00	-28.18	567.50	.000	

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                  REVERSE FULL: Lfull=56.15ft  Vh=.195ft  HL=.448ft Hev=
.00ft
   567.10    -25.56    567.50   .000
                  REVERSE FULL: Lfull=61.13ft  Vh=.161ft  HL=.377ft Hev=
.00ft
   567.20    -22.32    567.50   .000
                  REVERSE FULL: Lfull=66.87ft  Vh=.122ft  HL=.295ft Hev=
.00ft
   567.25    -20.41    567.50   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.102ft  HL=.250ft Hev=
.00ft
   567.30    -18.22    567.50   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.082ft  HL=.199ft Hev=
.00ft
   567.40    -12.97    567.50   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.041ft  HL=.101ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	.00	567.50	.000	HW = TW elev
567.60	12.85	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.041ft HL=.099ft Hev=.00ft
567.70	18.25	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.082ft HL=.200ft Hev=.00ft
567.75	20.38	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.102ft HL=.249ft Hev=.00ft
567.80	22.36	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.123ft HL=.300ft Hev=.00ft
567.90	25.83	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.164ft HL=.400ft Hev=.00ft
568.00	28.86	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.205ft HL=.500ft Hev=.00ft
568.10	31.63	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.246ft HL=.600ft Hev=.00ft
568.20	34.14	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.287ft HL=.700ft Hev=.00ft
568.25	35.34	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.307ft HL=.750ft Hev=.00ft

```
   568.30     36.49    567.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.327ft  HL=.799ft Hev=
.00ft
   568.40     38.71    567.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.368ft  HL=.900ft Hev=
.00ft
   568.50     40.83    567.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.410ft  HL=1.001ft Hev=
.00ft
   568.60     42.79    567.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.450ft  HL=1.099ft Hev=
.00ft
   568.70     44.73    567.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.492ft  HL=1.201ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	45.62	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.511ft HL=1.249ft Hev=.00ft
568.80	46.55	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.533ft HL=1.301ft Hev=.00ft
568.90	48.28	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.573ft HL=1.399ft Hev=.00ft
569.00	50.00	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.614ft HL=1.501ft Hev=.00ft
569.10	51.64	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.655ft HL=1.600ft Hev=.00ft
569.20	53.20	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.696ft HL=1.699ft Hev=.00ft
569.25	54.00	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.717ft HL=1.750ft Hev=.00ft
569.30	54.76	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.737ft HL=1.800ft Hev=.00ft
569.40	56.26	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=.778ft HL=1.900ft Hev=.00ft
569.50	57.72	567.50	.000	

```
                    FULL FLOW...Lfull=70.01ft  Vh=.819ft  HL=2.000ft Hev=
.00ft
   569.60     59.15    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.860ft  HL=2.100ft Hev=
.00ft
   569.70     60.55    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.901ft  HL=2.201ft Hev=
.00ft
   569.75     61.22    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.921ft  HL=2.250ft Hev=
.00ft
   569.80     61.89    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.941ft  HL=2.299ft Hev=
.00ft
   569.90     63.24    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.983ft  HL=2.401ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	64.53	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.023ft HL=2.499ft Hev=.00ft
570.10	65.82	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.065ft HL=2.601ft Hev=.00ft
570.20	67.07	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.105ft HL=2.700ft Hev=.00ft
570.30	68.30	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.146ft HL=2.800ft Hev=.00ft
570.40	69.50	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.187ft HL=2.900ft Hev=.00ft
570.50	70.69	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.228ft HL=3.000ft Hev=.00ft
570.60	71.87	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.269ft HL=3.101ft Hev=.00ft
570.70	73.02	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.310ft HL=3.201ft Hev=.00ft
570.80	74.14	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.351ft HL=3.300ft Hev=.00ft
570.90	75.25	567.50	.000	

```
                    FULL FLOW...Lfull=70.01ft  Vh=1.392ft  HL=3.399ft Hev=
.00ft
   571.00     76.35    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.433ft  HL=3.499ft Hev=
.00ft
   571.10     77.43    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.473ft  HL=3.599ft Hev=
.00ft
   571.20     78.51    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.515ft  HL=3.700ft Hev=
.00ft
   571.30     79.57    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.556ft  HL=3.800ft Hev=
.00ft
   571.40     80.60    567.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.597ft  HL=3.900ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	81.63	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.638ft HL=4.000ft Hev=.00ft
571.60	82.64	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.678ft HL=4.100ft Hev=.00ft
571.70	83.65	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.720ft HL=4.201ft Hev=.00ft
571.80	84.63	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.760ft HL=4.300ft Hev=.00ft
571.90	85.61	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.801ft HL=4.399ft Hev=.00ft
572.00	86.59	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.842ft HL=4.500ft Hev=.00ft
572.10	87.53	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.883ft HL=4.599ft Hev=.00ft
572.20	88.49	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.924ft HL=4.700ft Hev=.00ft
572.30	89.42	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.965ft HL=4.799ft Hev=.00ft
572.40	90.35	567.50	.000	

FULL FLOW...Lfull=70.01ft Vh=2.006ft HL=4.900ft Hev=
.00ft
572.50 91.26 567.50 .000
FULL FLOW...Lfull=70.01ft Vh=2.047ft HL=4.999ft Hev=
.00ft
572.60 92.18 567.50 .000
FULL FLOW...Lfull=70.01ft Vh=2.088ft HL=5.101ft Hev=
.00ft
572.70 93.07 567.50 .000
FULL FLOW...Lfull=70.01ft Vh=2.129ft HL=5.200ft Hev=
.00ft
572.80 93.96 567.50 .000
FULL FLOW...Lfull=70.01ft Vh=2.170ft HL=5.300ft Hev=
.00ft
572.90 94.85 567.50 .000
FULL FLOW...Lfull=70.01ft Vh=2.211ft HL=5.400ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	95.72	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.252ft HL=5.500ft Hev=.00ft
573.10	96.59	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.293ft HL=5.600ft Hev=.00ft
573.20	97.45	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.334ft HL=5.701ft Hev=.00ft
573.30	98.29	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.374ft HL=5.799ft Hev=.00ft
573.40	99.15	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.416ft HL=5.901ft Hev=.00ft
573.50	99.98	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.456ft HL=6.000ft Hev=.00ft
573.60	100.81	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.498ft HL=6.101ft Hev=.00ft
573.70	101.62	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.538ft HL=6.199ft Hev=.00ft
573.80	102.45	567.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.579ft HL=6.300ft Hev=.00ft
573.90	103.25	567.50	.000	

FULL FLOW...Lfull=70.01ft Vh=2.620ft HL=6.400ft Hev=
.00ft
574.00 104.06 567.50 .000
FULL FLOW...Lfull=70.01ft Vh=2.661ft HL=6.500ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	567.50	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 567.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 567.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 567.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 567.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 567.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 567.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	567.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	567.50	.000	

```
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.30      -.00    567.50   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.40      -.00    567.50   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.50       .00    567.50   .000
                    Upstream HW & DNstream TW < Inv.El
   567.60       .00    567.50   .000
                    Upstream HW & DNstream TW < Inv.El
   567.70       .00    567.50   .000
                    Upstream HW & DNstream TW < Inv.El
   567.75       .00    567.50   .000
                    Upstream HW & DNstream TW < Inv.El

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 567.50 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	567.50	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	567.50	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	567.50	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft
570.50	.38	567.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    567.50   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft  H.JUMP IN
PIPE Hev= .00ft
   570.70       .88    567.50   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	567.50	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	567.50	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	567.50	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	567.50	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft CRIT.DEPTH Hev= .00ft
571.20	3.13	567.50	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft CRIT.DEPTH Hev= .00ft
571.30	3.76	567.50	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft CRIT.DEPTH Hev= .00ft
571.40	4.42	567.50	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft CRIT.DEPTH Hev= .00ft
571.50	4.97	567.50	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	567.50	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	567.50	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	567.50	.000	

```
                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    567.50   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    567.50   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    567.50   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    567.50   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    567.50   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    567.50   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	567.50	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	567.50	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	567.50	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	567.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	567.50	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	567.50	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	567.50	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	567.50	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	567.50	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	567.50	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	567.50	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    567.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    567.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    567.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    567.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    567.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
565.10	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
565.20	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
565.25	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
565.30	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
565.40	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
565.50	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
565.60	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
565.70	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
565.75	-38.48	567.75	.000	

REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=
.00ft
565.80 -38.48 567.75 .000
REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=
.00ft
565.90 -38.48 567.75 .000
REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=
.00ft
566.00 -38.48 567.75 .000
REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=
.00ft
566.10 -38.48 567.75 .000
REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=
.00ft
566.20 -38.48 567.75 .000
REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
566.30	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
566.40	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
566.50	-38.48	567.75	.000	REVERSE FULL: Lfull=48.61ft Vh=.364ft HL=.806ft Hev=.00ft
566.60	-38.43	567.75	.000	REVERSE FULL: Lfull=48.74ft Vh=.363ft HL=.805ft Hev=.00ft
566.70	-38.00	567.75	.000	REVERSE FULL: Lfull=49.65ft Vh=.355ft HL=.790ft Hev=.00ft
566.75	-37.67	567.75	.000	REVERSE FULL: Lfull=50.42ft Vh=.349ft HL=.779ft Hev=.00ft
566.80	-37.24	567.75	.000	REVERSE FULL: Lfull=51.45ft Vh=.341ft HL=.765ft Hev=.00ft
566.90	-36.05	567.75	.000	REVERSE FULL: Lfull=54.13ft Vh=.319ft HL=.726ft Hev=.00ft
567.00	-34.52	567.75	.000	

```
                  REVERSE FULL: Lfull=57.67ft  Vh=.293ft  HL=.677ft Hev=
.00ft
   567.10    -32.57    567.75   .000
                  REVERSE FULL: Lfull=61.99ft  Vh=.261ft  HL=.615ft Hev=
.00ft
   567.20    -30.23    567.75   .000
                  REVERSE FULL: Lfull=67.14ft  Vh=.225ft  HL=.542ft Hev=
.00ft
   567.25    -28.85    567.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.205ft  HL=.500ft Hev=
.00ft
   567.30    -27.37    567.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.184ft  HL=.450ft Hev=
.00ft
   567.40    -24.13    567.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.143ft  HL=.349ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev,Device Q | Tail Water | Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.50	-20.41	567.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.102ft HL=.250ft Hev=.00ft
567.60	-15.83	567.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.062ft HL=.150ft Hev=.00ft
567.70	-9.16	567.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.021ft HL=.050ft Hev=.00ft
567.75	.00	567.75	.000	HW = TW elev
567.80	9.12	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.020ft HL=.050ft Hev=.00ft
567.90	15.79	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.061ft HL=.150ft Hev=.00ft
568.00	20.42	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.102ft HL=.250ft Hev=.00ft
568.10	24.16	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.143ft HL=.350ft Hev=.00ft
568.20	27.39	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.184ft HL=.450ft Hev=.00ft
568.25	28.89	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.205ft HL=.501ft Hev=.00ft

```
   568.30     30.30    567.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.226ft  HL=.551ft Hev=
.00ft
   568.40     32.91    567.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.266ft  HL=.650ft Hev=
.00ft
   568.50     35.33    567.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.307ft  HL=.749ft Hev=
.00ft
   568.60     37.62    567.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.348ft  HL=.850ft Hev=
.00ft
   568.70     39.78    567.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.389ft  HL=.950ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	40.82	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.409ft HL=1.000ft Hev=.00ft
568.80	41.83	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.430ft HL=1.050ft Hev=.00ft
568.90	43.79	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.471ft HL=1.151ft Hev=.00ft
569.00	45.62	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.512ft HL=1.249ft Hev=.00ft
569.10	47.41	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.552ft HL=1.349ft Hev=.00ft
569.20	49.15	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.594ft HL=1.450ft Hev=.00ft
569.25	49.97	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.614ft HL=1.499ft Hev=.00ft
569.30	50.82	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.635ft HL=1.551ft Hev=.00ft
569.40	52.44	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.676ft HL=1.651ft Hev=.00ft
569.50	53.99	567.75	.000	

FULL FLOW...Lfull=70.01ft Vh=.716ft HL=1.750ft Hev=
.00ft
569.60 55.50 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=.757ft HL=1.849ft Hev=
.00ft
569.70 56.98 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=.798ft HL=1.949ft Hev=
.00ft
569.75 57.72 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=.819ft HL=2.000ft Hev=
.00ft
569.80 58.44 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=.839ft HL=2.050ft Hev=
.00ft
569.90 59.84 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=.880ft HL=2.149ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	61.22	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.921ft HL=2.250ft Hev=.00ft
570.10	62.57	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=.962ft HL=2.350ft Hev=.00ft
570.20	63.89	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.003ft HL=2.450ft Hev=.00ft
570.30	65.17	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.044ft HL=2.550ft Hev=.00ft
570.40	66.44	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.085ft HL=2.650ft Hev=.00ft
570.50	67.70	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.126ft HL=2.751ft Hev=.00ft
570.60	68.90	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.167ft HL=2.850ft Hev=.00ft
570.70	70.11	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.208ft HL=2.951ft Hev=.00ft
570.80	71.28	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.249ft HL=3.050ft Hev=.00ft
570.90	72.43	567.75	.000	

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                    FULL FLOW...Lfull=70.01ft  Vh=1.289ft  HL=3.149ft Hev=
.00ft
   571.00     73.59    567.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.331ft  HL=3.250ft Hev=
.00ft
   571.10     74.71    567.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.372ft  HL=3.350ft Hev=
.00ft
   571.20     75.81    567.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.412ft  HL=3.450ft Hev=
.00ft
   571.30     76.90    567.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.453ft  HL=3.550ft Hev=
.00ft
   571.40     77.98    567.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.494ft  HL=3.650ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	79.03	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.535ft HL=3.750ft Hev=.00ft
571.60	80.09	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.576ft HL=3.850ft Hev=.00ft
571.70	81.13	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.617ft HL=3.951ft Hev=.00ft
571.80	82.13	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.658ft HL=4.049ft Hev=.00ft
571.90	83.15	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.699ft HL=4.150ft Hev=.00ft
572.00	84.14	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.740ft HL=4.250ft Hev=.00ft
572.10	85.13	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.781ft HL=4.350ft Hev=.00ft
572.20	86.10	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.822ft HL=4.450ft Hev=.00ft
572.30	87.06	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.863ft HL=4.550ft Hev=.00ft
572.40	88.01	567.75	.000	

FULL FLOW...Lfull=70.01ft Vh=1.904ft HL=4.650ft Hev=
.00ft
572.50 88.96 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.945ft HL=4.750ft Hev=
.00ft
572.60 89.88 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.985ft HL=4.850ft Hev=
.00ft
572.70 90.80 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.026ft HL=4.949ft Hev=
.00ft
572.80 91.72 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.068ft HL=5.050ft Hev=
.00ft
572.90 92.62 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.108ft HL=5.150ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	93.51	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.149ft HL=5.249ft Hev=.00ft
573.10	94.40	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.190ft HL=5.349ft Hev=.00ft
573.20	95.29	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.231ft HL=5.450ft Hev=.00ft
573.30	96.15	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.272ft HL=5.549ft Hev=.00ft
573.40	97.02	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.313ft HL=5.650ft Hev=.00ft
573.50	97.88	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.354ft HL=5.751ft Hev=.00ft
573.60	98.73	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.395ft HL=5.851ft Hev=.00ft
573.70	99.57	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.436ft HL=5.951ft Hev=.00ft
573.80	100.39	567.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.477ft HL=6.050ft Hev=.00ft
573.90	101.23	567.75	.000	

FULL FLOW...Lfull=70.01ft Vh=2.518ft HL=6.151ft Hev=
.00ft
574.00 102.03 567.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.558ft HL=6.249ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	567.75	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 567.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 567.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 567.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 567.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 567.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 567.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	567.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	567.75	.000	

```
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.30      -.00    567.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.40      -.00    567.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.50      -.00    567.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.60      -.00    567.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.70      -.00    567.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.75       .00    567.75   .000
                    Upstream HW & DNstream TW < Inv.El

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
567.90	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.00	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.10	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El

569.20 .00 567.75 .000

Upstream HW & DNstream TW < Inv.El

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	567.75	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	567.75	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	567.75	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft
570.50	.38	567.75	.000	

CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft

570.60 .57 567.75 .000

CRIT.DEPTH CONTROL Vh= .097ft Dcr= .281ft H.JUMP IN PIPE Hev= .00ft

570.70 .88 567.75 .000

CRIT.DEPTH CONTROL Vh= .108ft Dcr= .312ft H.JUMP IN PIPE Hev= .00ft

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
570.80	1.23	567.75	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	567.75	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	567.75	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	567.75	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	567.75	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	567.75	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	567.75	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	567.75	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft CRIT.DEPTH Hev= .00ft
571.60	5.90	567.75	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft CRIT.DEPTH Hev= .00ft
571.70	6.54	567.75	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft CRIT.DEPTH Hev= .00ft
571.80	7.40	567.75	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft
CRIT.DEPTH Hev= .00ft
   571.90      8.18    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	567.75	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	567.75	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	567.75	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	567.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	567.75	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	567.75	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	567.75	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	567.75	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	567.75	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	567.75	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	567.75	.000	

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                    CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    567.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
565.10	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
565.20	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
565.25	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
565.30	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
565.40	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
565.50	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
565.60	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
565.70	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
565.75	-42.39	568.00	.000	

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                  REVERSE FULL: Lfull=52.68ft  Vh=.442ft  HL=.998ft Hev=
.00ft
   565.80    -42.39    568.00   .000
                  REVERSE FULL: Lfull=52.68ft  Vh=.442ft  HL=.998ft Hev=
.00ft
   565.90    -42.39    568.00   .000
                  REVERSE FULL: Lfull=52.68ft  Vh=.442ft  HL=.998ft Hev=
.00ft
   566.00    -42.39    568.00   .000
                  REVERSE FULL: Lfull=52.68ft  Vh=.442ft  HL=.998ft Hev=
.00ft
   566.10    -42.39    568.00   .000
                  REVERSE FULL: Lfull=52.68ft  Vh=.442ft  HL=.998ft Hev=
.00ft
   566.20    -42.39    568.00   .000
                  REVERSE FULL: Lfull=52.68ft  Vh=.442ft  HL=.998ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
566.30	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
566.40	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
566.50	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
566.60	-42.39	568.00	.000	REVERSE FULL: Lfull=52.68ft Vh=.442ft HL=.998ft Hev=.00ft
566.70	-42.30	568.00	.000	REVERSE FULL: Lfull=52.92ft Vh=.440ft HL=.994ft Hev=.00ft
566.75	-42.10	568.00	.000	REVERSE FULL: Lfull=53.40ft Vh=.436ft HL=.987ft Hev=.00ft
566.80	-41.82	568.00	.000	REVERSE FULL: Lfull=54.10ft Vh=.430ft HL=.977ft Hev=.00ft
566.90	-41.01	568.00	.000	REVERSE FULL: Lfull=56.16ft Vh=.413ft HL=.949ft Hev=.00ft
567.00	-39.82	568.00	.000	

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                  REVERSE FULL: Lfull=59.04ft  Vh=.390ft  HL=.906ft Hev=
.00ft
   567.10    -38.31    568.00   .000
                  REVERSE FULL: Lfull=62.76ft  Vh=.361ft  HL=.853ft Hev=
.00ft
   567.20    -36.43    568.00   .000
                  REVERSE FULL: Lfull=67.38ft  Vh=.326ft  HL=.788ft Hev=
.00ft
   567.25    -35.33    568.00   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.307ft  HL=.749ft Hev=
.00ft
   567.30    -34.14    568.00   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.286ft  HL=.700ft Hev=
.00ft
   567.40    -31.61    568.00   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.246ft  HL=.600ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	-28.85	568.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.205ft HL=.500ft Hev=.00ft
567.60	-25.84	568.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.164ft HL=.401ft Hev=.00ft
567.70	-22.36	568.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.123ft HL=.300ft Hev=.00ft
567.75	-20.41	568.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.102ft HL=.250ft Hev=.00ft
567.80	-18.22	568.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.082ft HL=.199ft Hev=.00ft
567.90	-12.97	568.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.041ft HL=.101ft Hev=.00ft
568.00	.00	568.00	.000	HW = TW elev
568.10	12.87	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.041ft HL=.099ft Hev=.00ft
568.20	18.23	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.082ft HL=.199ft Hev=.00ft
568.25	20.44	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.103ft HL=.251ft Hev=.00ft

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   568.30     22.36    568.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.123ft  HL=.300ft Hev=
.00ft
   568.40     25.79    568.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.163ft  HL=.399ft Hev=
.00ft
   568.50     28.85    568.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.205ft  HL=.500ft Hev=
.00ft
   568.60     31.64    568.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.246ft  HL=.601ft Hev=
.00ft
   568.70     34.14    568.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.286ft  HL=.700ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	35.36	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.307ft HL=.751ft Hev=.00ft
568.80	36.51	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.328ft HL=.800ft Hev=.00ft
568.90	38.72	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.369ft HL=.900ft Hev=.00ft
569.00	40.80	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.409ft HL=.999ft Hev=.00ft
569.10	42.80	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.450ft HL=1.100ft Hev=.00ft
569.20	44.70	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.491ft HL=1.199ft Hev=.00ft
569.25	45.63	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.512ft HL=1.250ft Hev=.00ft
569.30	46.55	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.532ft HL=1.301ft Hev=.00ft
569.40	48.31	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.573ft HL=1.401ft Hev=.00ft
569.50	49.99	568.00	.000	

FULL FLOW...Lfull=70.01ft Vh=.614ft HL=1.500ft Hev=
.00ft
569.60 51.63 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=.655ft HL=1.600ft Hev=
.00ft
569.70 53.22 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=.696ft HL=1.700ft Hev=
.00ft
569.75 53.99 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=.716ft HL=1.749ft Hev=
.00ft
569.80 54.76 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=.737ft HL=1.800ft Hev=
.00ft
569.90 56.26 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=.778ft HL=1.900ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	57.71	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.818ft HL=1.999ft Hev=.00ft
570.10	59.15	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.860ft HL=2.100ft Hev=.00ft
570.20	60.53	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.900ft HL=2.199ft Hev=.00ft
570.30	61.89	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.941ft HL=2.299ft Hev=.00ft
570.40	63.22	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=.982ft HL=2.399ft Hev=.00ft
570.50	64.53	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.023ft HL=2.499ft Hev=.00ft
570.60	65.81	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.064ft HL=2.599ft Hev=.00ft
570.70	67.06	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.105ft HL=2.700ft Hev=.00ft
570.80	68.31	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.147ft HL=2.801ft Hev=.00ft
570.90	69.51	568.00	.000	

FULL FLOW...Lfull=70.01ft Vh=1.188ft HL=2.901ft Hev=
.00ft
571.00 70.71 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.229ft HL=3.001ft Hev=
.00ft
571.10 71.86 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.269ft HL=3.100ft Hev=
.00ft
571.20 73.02 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.310ft HL=3.201ft Hev=
.00ft
571.30 74.14 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.351ft HL=3.300ft Hev=
.00ft
571.40 75.26 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.392ft HL=3.400ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	76.36	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.433ft HL=3.500ft Hev=.00ft
571.60	77.44	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.474ft HL=3.600ft Hev=.00ft
571.70	78.51	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.515ft HL=3.700ft Hev=.00ft
571.80	79.56	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.555ft HL=3.799ft Hev=.00ft
571.90	80.61	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.597ft HL=3.900ft Hev=.00ft
572.00	81.64	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.638ft HL=4.001ft Hev=.00ft
572.10	82.64	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.679ft HL=4.100ft Hev=.00ft
572.20	83.65	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.719ft HL=4.200ft Hev=.00ft
572.30	84.64	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.761ft HL=4.300ft Hev=.00ft
572.40	85.62	568.00	.000	

FULL FLOW...Lfull=70.01ft Vh=1.802ft HL=4.401ft Hev=
.00ft
572.50 86.57 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.842ft HL=4.499ft Hev=
.00ft
572.60 87.53 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.883ft HL=4.599ft Hev=
.00ft
572.70 88.49 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.924ft HL=4.700ft Hev=
.00ft
572.80 89.43 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.966ft HL=4.801ft Hev=
.00ft
572.90 90.35 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=2.006ft HL=4.900ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	91.27	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.047ft HL=5.000ft Hev=.00ft
573.10	92.18	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.088ft HL=5.100ft Hev=.00ft
573.20	93.08	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.129ft HL=5.200ft Hev=.00ft
573.30	93.97	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.170ft HL=5.300ft Hev=.00ft
573.40	94.85	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.211ft HL=5.400ft Hev=.00ft
573.50	95.72	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.252ft HL=5.500ft Hev=.00ft
573.60	96.60	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.293ft HL=5.601ft Hev=.00ft
573.70	97.45	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.334ft HL=5.700ft Hev=.00ft
573.80	98.29	568.00	.000	FULL FLOW...Lfull=70.01ft Vh=2.374ft HL=5.799ft Hev=.00ft
573.90	99.14	568.00	.000	

FULL FLOW...Lfull=70.01ft Vh=2.415ft HL=5.900ft Hev=
.00ft
574.00 99.98 568.00 .000
FULL FLOW...Lfull=70.01ft Vh=2.456ft HL=6.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	568.00	.000	

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                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   565.90      -.00    568.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.00      -.00    568.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.10      -.00    568.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.20      -.00    568.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.25      -.00    568.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.30      -.00    568.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	568.00	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.30 -.00 568.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.40 -.00 568.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.50 -.00 568.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.60 -.00 568.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.70 -.00 568.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.75 -.00 568.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.80	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.90	-.00	568.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.00	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.10	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.20	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.25	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
569.00	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El

569.10 .00 568.00 .000
Upstream HW & DNstream TW < Inv.El
569.20 .00 568.00 .000
Upstream HW & DNstream TW < Inv.El

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	568.00	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	568.00	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	568.00	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft
570.50	.38	568.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    568.00   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft  H.JUMP IN
PIPE Hev= .00ft
   570.70       .88    568.00   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
570.80	1.23	568.00	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	568.00	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	568.00	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	568.00	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	568.00	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	568.00	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	568.00	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	568.00	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft H.JUMP IN PIPE Hev= .00ft
571.60	5.90	568.00	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft H.JUMP IN PIPE Hev= .00ft
571.70	6.54	568.00	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft H.JUMP IN PIPE Hev= .00ft
571.80	7.40	568.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft  H.JUMP IN
PIPE Hev= .00ft
   571.90      8.18    568.00   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft
CRIT.DEPTH Hev= .00ft
   572.00      9.04    568.00   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft
CRIT.DEPTH Hev= .00ft
   572.10      9.81    568.00   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft
CRIT.DEPTH Hev= .00ft
   572.20     10.77    568.00   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft
CRIT.DEPTH Hev= .00ft
   572.30     11.58    568.00   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft
CRIT.DEPTH Hev= .00ft
   572.40     12.43    568.00   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	568.00	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	568.00	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	568.00	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	568.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	568.00	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	568.00	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	568.00	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	568.00	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	568.00	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	568.00	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	568.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    568.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    568.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    568.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    568.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    568.00   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
565.10	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
565.20	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
565.25	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
565.30	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
565.40	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
565.50	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
565.60	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
565.70	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
565.75	-46.16	568.25	.000	

REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft
Hev= .00ft
565.80 -46.16 568.25 .000
REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft
Hev= .00ft
565.90 -46.16 568.25 .000
REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft
Hev= .00ft
566.00 -46.16 568.25 .000
REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft
Hev= .00ft
566.10 -46.16 568.25 .000
REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft
Hev= .00ft
566.20 -46.16 568.25 .000
REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft
Hev= .00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
566.30	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
566.40	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
566.50	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
566.60	-46.16	568.25	.000	REVERSE FULL: Lfull=55.99ft Vh=.524ft HL=1.201ft Hev= .00ft
566.70	-46.16	568.25	.000	REVERSE FULL: Lfull=55.98ft Vh=.524ft HL=1.201ft Hev= .00ft
566.75	-46.09	568.25	.000	REVERSE FULL: Lfull=56.16ft Vh=.522ft HL=1.198ft Hev= .00ft
566.80	-45.94	568.25	.000	REVERSE FULL: Lfull=56.51ft Vh=.519ft HL=1.193ft Hev= .00ft
566.90	-45.39	568.25	.000	REVERSE FULL: Lfull=57.94ft Vh=.506ft HL=1.172ft Hev= .00ft
567.00	-44.54	568.25	.000	

REVERSE FULL: Lfull=60.26ft Vh=.487ft HL=1.140ft Hev= .00ft
567.10 -43.30 568.25 .000
REVERSE FULL: Lfull=63.48ft Vh=.461ft HL=1.093ft Hev= .00ft
567.20 -41.72 568.25 .000
REVERSE FULL: Lfull=67.58ft Vh=.428ft HL=1.034ft Hev= .00ft
567.25 -40.82 568.25 .000
REVERSE FULL: Lfull=70.01ft Vh=.409ft HL=1.000ft Hev= .00ft
567.30 -39.77 568.25 .000
REVERSE FULL: Lfull=70.01ft Vh=.389ft HL=.949ft Hev= .00ft
567.40 -37.62 568.25 .000
REVERSE FULL: Lfull=70.01ft Vh=.348ft HL=.850ft Hev= .00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	-35.33	568.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.307ft HL=.749ft Hev=.00ft
567.60	-32.90	568.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.266ft HL=.650ft Hev=.00ft
567.70	-30.28	568.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.225ft HL=.550ft Hev=.00ft
567.75	-28.85	568.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.205ft HL=.500ft Hev=.00ft
567.80	-27.37	568.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.184ft HL=.450ft Hev=.00ft
567.90	-24.13	568.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.143ft HL=.349ft Hev=.00ft
568.00	-20.41	568.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.102ft HL=.250ft Hev=.00ft
568.10	-15.83	568.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.062ft HL=.150ft Hev=.00ft
568.20	-9.16	568.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.021ft HL=.050ft Hev=.00ft
568.25	.00	568.25	.000	HW = TW elev

```
   568.30      9.04    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.020ft  HL=.049ft Hev=
.00ft
   568.40     15.84    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.062ft  HL=.151ft Hev=
.00ft
   568.50     20.41    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.102ft  HL=.250ft Hev=
.00ft
   568.60     24.12    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.143ft  HL=.349ft Hev=
.00ft
   568.70     27.40    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.184ft  HL=.451ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	28.88	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.205ft HL=.501ft Hev=.00ft
568.80	30.25	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.225ft HL=.549ft Hev=.00ft
568.90	32.92	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.266ft HL=.651ft Hev=.00ft
569.00	35.36	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.307ft HL=.750ft Hev=.00ft
569.10	37.64	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.348ft HL=.850ft Hev=.00ft
569.20	39.79	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.389ft HL=.950ft Hev=.00ft
569.25	40.81	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.409ft HL=1.000ft Hev=.00ft
569.30	41.83	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.430ft HL=1.051ft Hev=.00ft
569.40	43.77	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.471ft HL=1.150ft Hev=.00ft
569.50	45.62	568.25	.000	

FULL FLOW...Lfull=70.01ft Vh=.511ft HL=1.249ft Hev=
.00ft
569.60 47.41 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=.552ft HL=1.349ft Hev=
.00ft
569.70 49.15 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=.594ft HL=1.450ft Hev=
.00ft
569.75 50.00 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=.614ft HL=1.501ft Hev=
.00ft
569.80 50.82 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=.635ft HL=1.550ft Hev=
.00ft
569.90 52.44 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=.676ft HL=1.651ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	53.99	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.716ft HL=1.750ft Hev=.00ft
570.10	55.51	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.757ft HL=1.850ft Hev=.00ft
570.20	56.98	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.798ft HL=1.949ft Hev=.00ft
570.30	58.44	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.839ft HL=2.050ft Hev=.00ft
570.40	59.84	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.880ft HL=2.149ft Hev=.00ft
570.50	61.23	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.921ft HL=2.250ft Hev=.00ft
570.60	62.57	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=.962ft HL=2.350ft Hev=.00ft
570.70	63.88	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.003ft HL=2.449ft Hev=.00ft
570.80	65.18	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.044ft HL=2.550ft Hev=.00ft
570.90	66.44	568.25	.000	

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                    FULL FLOW...Lfull=70.01ft  Vh=1.085ft  HL=2.650ft Hev=
.00ft
   571.00     67.69    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.126ft  HL=2.750ft Hev=
.00ft
   571.10     68.91    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.167ft  HL=2.850ft Hev=
.00ft
   571.20     70.10    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.208ft  HL=2.950ft Hev=
.00ft
   571.30     71.28    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.249ft  HL=3.050ft Hev=
.00ft
   571.40     72.45    568.25   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.290ft  HL=3.151ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	73.59	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.331ft HL=3.251ft Hev=.00ft
571.60	74.70	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.371ft HL=3.350ft Hev=.00ft
571.70	75.81	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.412ft HL=3.450ft Hev=.00ft
571.80	76.90	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.453ft HL=3.550ft Hev=.00ft
571.90	77.98	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.494ft HL=3.650ft Hev=.00ft
572.00	79.04	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.535ft HL=3.750ft Hev=.00ft
572.10	80.09	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.576ft HL=3.850ft Hev=.00ft
572.20	81.12	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.617ft HL=3.950ft Hev=.00ft
572.30	82.14	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.658ft HL=4.050ft Hev=.00ft
572.40	83.14	568.25	.000	

FULL FLOW...Lfull=70.01ft Vh=1.699ft HL=4.150ft Hev=
.00ft
572.50 84.15 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.740ft HL=4.251ft Hev=
.00ft
572.60 85.12 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.780ft HL=4.349ft Hev=
.00ft
572.70 86.10 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.822ft HL=4.450ft Hev=
.00ft
572.80 87.06 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.863ft HL=4.549ft Hev=
.00ft
572.90 88.01 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.904ft HL=4.650ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	88.95	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.945ft HL=4.750ft Hev=.00ft
573.10	89.89	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.986ft HL=4.850ft Hev=.00ft
573.20	90.81	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.027ft HL=4.950ft Hev=.00ft
573.30	91.73	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.068ft HL=5.050ft Hev=.00ft
573.40	92.62	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.108ft HL=5.149ft Hev=.00ft
573.50	93.52	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.149ft HL=5.250ft Hev=.00ft
573.60	94.41	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.190ft HL=5.350ft Hev=.00ft
573.70	95.29	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.231ft HL=5.451ft Hev=.00ft
573.80	96.16	568.25	.000	FULL FLOW...Lfull=70.01ft Vh=2.272ft HL=5.551ft Hev=.00ft
573.90	97.03	568.25	.000	

FULL FLOW...Lfull=70.01ft Vh=2.313ft HL=5.651ft Hev=
.00ft
574.00 97.88 568.25 .000
FULL FLOW...Lfull=70.01ft Vh=2.354ft HL=5.751ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	568.25	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	568.25	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.30 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.40 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.50 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.60 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.70 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.75 -.00 568.25 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.80	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.90	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.00	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.10	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.20	-.00	568.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.25	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
568.30	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
568.40	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
568.50	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
568.80	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
568.90	.00	568.25	.000	

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                Upstream HW & DNstream TW < Inv.El
569.00        .00    568.25   .000
                Upstream HW & DNstream TW < Inv.El
569.10        .00    568.25   .000
                Upstream HW & DNstream TW < Inv.El
569.20        .00    568.25   .000
                Upstream HW & DNstream TW < Inv.El

S/N:
PondPack Ver:                   Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	568.25	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	568.25	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	568.25	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft
570.50	.38	568.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    568.25   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft  H.JUMP IN
PIPE Hev= .00ft
   570.70       .88    568.25   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
570.80	1.23	568.25	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	568.25	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	568.25	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	568.25	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	568.25	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	568.25	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	568.25	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	568.25	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft H.JUMP IN PIPE Hev= .00ft
571.60	5.90	568.25	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft H.JUMP IN PIPE Hev= .00ft
571.70	6.54	568.25	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft H.JUMP IN PIPE Hev= .00ft
571.80	7.40	568.25	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft  H.JUMP IN
PIPE Hev= .00ft
   571.90      8.18    568.25   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft  H.JUMP
IN PIPE Hev= .00ft
   572.00      9.04    568.25   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft  H.JUMP
IN PIPE Hev= .00ft
   572.10      9.81    568.25   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft  H.JUMP
IN PIPE Hev= .00ft
   572.20     10.77    568.25   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft  H.JUMP
IN PIPE Hev= .00ft
   572.30     11.58    568.25   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft  H.JUMP
IN PIPE Hev= .00ft
   572.40     12.43    568.25   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
572.50	13.41	568.25	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft CRIT.DEPTH Hev= .00ft
572.60	14.27	568.25	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft CRIT.DEPTH Hev= .00ft
572.70	15.16	568.25	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft CRIT.DEPTH Hev= .00ft
572.80	16.11	568.25	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft CRIT.DEPTH Hev= .00ft
572.90	17.06	568.25	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft CRIT.DEPTH Hev= .00ft
573.00	17.77	568.25	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	568.25	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	568.25	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	568.25	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	568.25	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	568.25	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    568.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    568.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    568.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    568.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    568.25   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
565.10	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
565.20	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
565.25	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
565.30	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
565.40	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
565.50	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
565.60	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
565.70	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
565.75	-49.73	568.50	.000	

```
                    REVERSE FULL: Lfull=58.69ft  Vh=.608ft  HL=1.412ft
Hev= .00ft
   565.80    -49.73    568.50   .000
                    REVERSE FULL: Lfull=58.69ft  Vh=.608ft  HL=1.412ft
Hev= .00ft
   565.90    -49.73    568.50   .000
                    REVERSE FULL: Lfull=58.69ft  Vh=.608ft  HL=1.412ft
Hev= .00ft
   566.00    -49.73    568.50   .000
                    REVERSE FULL: Lfull=58.69ft  Vh=.608ft  HL=1.412ft
Hev= .00ft
   566.10    -49.73    568.50   .000
                    REVERSE FULL: Lfull=58.69ft  Vh=.608ft  HL=1.412ft
Hev= .00ft
   566.20    -49.73    568.50   .000
                    REVERSE FULL: Lfull=58.69ft  Vh=.608ft  HL=1.412ft
Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
566.30	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
566.40	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
566.50	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
566.60	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
566.70	-49.73	568.50	.000	REVERSE FULL: Lfull=58.69ft Vh=.608ft HL=1.412ft Hev= .00ft
566.75	-49.73	568.50	.000	REVERSE FULL: Lfull=58.67ft Vh=.608ft HL=1.412ft Hev= .00ft
566.80	-49.71	568.50	.000	REVERSE FULL: Lfull=58.75ft Vh=.607ft HL=1.411ft Hev= .00ft
566.90	-49.38	568.50	.000	REVERSE FULL: Lfull=59.64ft Vh=.599ft HL=1.398ft Hev= .00ft
567.00	-48.76	568.50	.000	

```
                    REVERSE FULL: Lfull=61.38ft  Vh=.584ft  HL=1.373ft
Hev= .00ft
   567.10    -47.76    568.50   .000
                    REVERSE FULL: Lfull=64.12ft  Vh=.560ft  HL=1.334ft
Hev= .00ft
   567.20    -46.44    568.50   .000
                    REVERSE FULL: Lfull=67.76ft  Vh=.530ft  HL=1.282ft
Hev= .00ft
   567.25    -45.63    568.50   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.512ft  HL=1.250ft
Hev= .00ft
   567.30    -44.73    568.50   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.492ft  HL=1.201ft
Hev= .00ft
   567.40    -42.82    568.50   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.451ft  HL=1.101ft
Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	-40.82	568.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.409ft HL=1.000ft Hev= .00ft
567.60	-38.72	568.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.368ft HL=.900ft Hev= .00ft
567.70	-36.53	568.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.328ft HL=.801ft Hev= .00ft
567.75	-35.33	568.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.307ft HL=.749ft Hev= .00ft
567.80	-34.14	568.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.286ft HL=.700ft Hev= .00ft
567.90	-31.61	568.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.246ft HL=.600ft Hev= .00ft
568.00	-28.85	568.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.205ft HL=.500ft Hev= .00ft
568.10	-25.84	568.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.164ft HL=.401ft Hev= .00ft
568.20	-22.36	568.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.123ft HL=.300ft Hev= .00ft
568.25	-20.41	568.50	.000	

```
                  REVERSE FULL: Lfull=70.01ft  Vh=.102ft  HL=.250ft Hev=
.00ft
   568.30    -18.22    568.50   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.082ft  HL=.199ft Hev=
.00ft
   568.40    -12.97    568.50   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.041ft  HL=.101ft Hev=
.00ft
   568.50       .00    568.50   .000
                  HW = TW elev
   568.60     12.91    568.50   .000
                  FULL FLOW...Lfull=70.01ft  Vh=.041ft  HL=.100ft Hev=
.00ft
   568.70     18.22    568.50   .000
                  FULL FLOW...Lfull=70.01ft  Vh=.082ft  HL=.199ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	20.38	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.102ft HL=.249ft Hev=.00ft
568.80	22.37	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.123ft HL=.300ft Hev=.00ft
568.90	25.82	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.164ft HL=.400ft Hev=.00ft
569.00	28.89	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.205ft HL=.501ft Hev=.00ft
569.10	31.63	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.246ft HL=.601ft Hev=.00ft
569.20	34.16	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.287ft HL=.701ft Hev=.00ft
569.25	35.35	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.307ft HL=.750ft Hev=.00ft
569.30	36.51	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.328ft HL=.800ft Hev=.00ft
569.40	38.71	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.368ft HL=.900ft Hev=.00ft
569.50	40.81	568.50	.000	

```
                    FULL FLOW...Lfull=70.01ft  Vh=.409ft  HL=1.000ft Hev=
.00ft
   569.60     42.79    568.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.450ft  HL=1.099ft Hev=
.00ft
   569.70     44.72    568.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.492ft  HL=1.201ft Hev=
.00ft
   569.75     45.62    568.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.511ft  HL=1.249ft Hev=
.00ft
   569.80     46.53    568.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.532ft  HL=1.299ft Hev=
.00ft
   569.90     48.28    568.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.573ft  HL=1.399ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	50.00	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.614ft HL=1.501ft Hev=.00ft
570.10	51.62	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.655ft HL=1.599ft Hev=.00ft
570.20	53.23	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.696ft HL=1.701ft Hev=.00ft
570.30	54.76	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.737ft HL=1.800ft Hev=.00ft
570.40	56.26	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.778ft HL=1.900ft Hev=.00ft
570.50	57.71	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.818ft HL=1.999ft Hev=.00ft
570.60	59.15	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.860ft HL=2.100ft Hev=.00ft
570.70	60.54	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.901ft HL=2.200ft Hev=.00ft
570.80	61.89	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=.941ft HL=2.299ft Hev=.00ft
570.90	63.23	568.50	.000	

FULL FLOW...Lfull=70.01ft Vh=.982ft HL=2.400ft Hev=
.00ft
571.00 64.53 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.023ft HL=2.500ft Hev=
.00ft
571.10 65.81 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.064ft HL=2.600ft Hev=
.00ft
571.20 67.06 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.105ft HL=2.700ft Hev=
.00ft
571.30 68.31 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.147ft HL=2.801ft Hev=
.00ft
571.40 69.52 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.188ft HL=2.901ft Hev=
.00ft

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PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	70.70	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.228ft HL=3.001ft Hev=.00ft
571.60	71.87	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.269ft HL=3.101ft Hev=.00ft
571.70	73.02	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.310ft HL=3.201ft Hev=.00ft
571.80	74.15	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.351ft HL=3.301ft Hev=.00ft
571.90	75.26	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.392ft HL=3.400ft Hev=.00ft
572.00	76.37	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.433ft HL=3.501ft Hev=.00ft
572.10	77.45	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.474ft HL=3.601ft Hev=.00ft
572.20	78.51	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.515ft HL=3.700ft Hev=.00ft
572.30	79.56	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.556ft HL=3.800ft Hev=.00ft
572.40	80.61	568.50	.000	

FULL FLOW...Lfull=70.01ft Vh=1.597ft HL=3.900ft Hev=
.00ft
572.50 81.63 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.638ft HL=4.000ft Hev=
.00ft
572.60 82.65 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.679ft HL=4.100ft Hev=
.00ft
572.70 83.65 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.720ft HL=4.201ft Hev=
.00ft
572.80 84.63 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.760ft HL=4.299ft Hev=
.00ft
572.90 85.61 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.801ft HL=4.399ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	86.58	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.842ft HL=4.500ft Hev=.00ft
573.10	87.54	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.883ft HL=4.600ft Hev=.00ft
573.20	88.49	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.924ft HL=4.700ft Hev=.00ft
573.30	89.42	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.965ft HL=4.799ft Hev=.00ft
573.40	90.35	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.006ft HL=4.900ft Hev=.00ft
573.50	91.27	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.047ft HL=5.001ft Hev=.00ft
573.60	92.18	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.088ft HL=5.100ft Hev=.00ft
573.70	93.07	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.129ft HL=5.200ft Hev=.00ft
573.80	93.96	568.50	.000	FULL FLOW...Lfull=70.01ft Vh=2.169ft HL=5.299ft Hev=.00ft
573.90	94.85	568.50	.000	

FULL FLOW...Lfull=70.01ft Vh=2.211ft HL=5.400ft Hev=
.00ft
574.00 95.72 568.50 .000
FULL FLOW...Lfull=70.01ft Vh=2.252ft HL=5.500ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	568.50	.000	

```
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   565.90      -.00    568.50   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.00      -.00    568.50   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.10      -.00    568.50   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.20      -.00    568.50   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.25      -.00    568.50   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.30      -.00    568.50   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	568.50	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.30 -.00 568.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.40 -.00 568.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.50 -.00 568.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.60 -.00 568.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.70 -.00 568.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.75 -.00 568.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.80	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.90	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.00	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.10	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.20	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.25	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.30	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.40	-.00	568.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.50	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
568.60	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
568.70	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
568.75	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El

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568.80       .00    568.50   .000
               Upstream HW & DNstream TW < Inv.El
568.90       .00    568.50   .000
               Upstream HW & DNstream TW < Inv.El
569.00       .00    568.50   .000
               Upstream HW & DNstream TW < Inv.El
569.10       .00    568.50   .000
               Upstream HW & DNstream TW < Inv.El
569.20       .00    568.50   .000
               Upstream HW & DNstream TW < Inv.El

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Name.... Outlet 3

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	568.50	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	568.50	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	568.50	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft
570.50	.38	568.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft  H.JUMP IN
PIPE Hev= .00ft
   570.70       .88    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
570.80	1.23	568.50	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	568.50	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	568.50	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	568.50	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	568.50	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	568.50	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	568.50	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	568.50	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft H.JUMP IN PIPE Hev= .00ft
571.60	5.90	568.50	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft H.JUMP IN PIPE Hev= .00ft
571.70	6.54	568.50	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft H.JUMP IN PIPE Hev= .00ft
571.80	7.40	568.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft  H.JUMP IN
PIPE Hev= .00ft
   571.90      8.18    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft  H.JUMP
IN PIPE Hev= .00ft
   572.00      9.04    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft  H.JUMP
IN PIPE Hev= .00ft
   572.10      9.81    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft  H.JUMP
IN PIPE Hev= .00ft
   572.20     10.77    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft  H.JUMP
IN PIPE Hev= .00ft
   572.30     11.58    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft  H.JUMP
IN PIPE Hev= .00ft
   572.40     12.43    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft  H.JUMP
IN PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
572.50	13.41	568.50	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft H.JUMP IN PIPE Hev= .00ft
572.60	14.27	568.50	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft H.JUMP IN PIPE Hev= .00ft
572.70	15.16	568.50	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft H.JUMP IN PIPE Hev= .00ft
572.80	16.11	568.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft H.JUMP IN PIPE Hev= .00ft
572.90	17.06	568.50	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft H.JUMP IN PIPE Hev= .00ft
573.00	17.77	568.50	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft CRIT.DEPTH Hev= .00ft
573.10	18.71	568.50	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft CRIT.DEPTH Hev= .00ft
573.20	19.60	568.50	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft CRIT.DEPTH Hev= .00ft
573.30	20.41	568.50	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft CRIT.DEPTH Hev= .00ft
573.40	21.24	568.50	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft CRIT.DEPTH Hev= .00ft
573.50	22.07	568.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft
CRIT.DEPTH Hev= .00ft
   573.60     22.83    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   573.70     23.61    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft
CRIT.DEPTH Hev= .00ft
   573.80     24.40    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft
CRIT.DEPTH Hev= .00ft
   573.90     25.15    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    568.50   .000
                  CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
565.10	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
565.20	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
565.25	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
565.30	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
565.40	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
565.50	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
565.60	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
565.70	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
565.75	-53.29	568.75	.000	

REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft
Hev= .00ft
565.80 -53.29 568.75 .000
REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft
Hev= .00ft
565.90 -53.29 568.75 .000
REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft
Hev= .00ft
566.00 -53.29 568.75 .000
REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft
Hev= .00ft
566.10 -53.29 568.75 .000
REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft
Hev= .00ft
566.20 -53.29 568.75 .000
REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft
Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.25	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
566.30	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
566.40	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
566.50	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
566.60	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
566.70	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
566.75	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
566.80	-53.29	568.75	.000	REVERSE FULL: Lfull=60.56ft Vh=.698ft HL=1.634ft Hev= .00ft
566.90	-53.14	568.75	.000	REVERSE FULL: Lfull=60.97ft Vh=.694ft HL=1.629ft Hev= .00ft
567.00	-52.64	568.75	.000	

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                    REVERSE FULL: Lfull=62.38ft  Vh=.681ft  HL=1.608ft
Hev= .00ft
   567.10    -51.86    568.75   .000
                    REVERSE FULL: Lfull=64.67ft  Vh=.661ft  HL=1.577ft
Hev= .00ft
   567.20    -50.71    568.75   .000
                    REVERSE FULL: Lfull=67.92ft  Vh=.632ft  HL=1.530ft
Hev= .00ft
   567.25    -49.97    568.75   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.614ft  HL=1.499ft
Hev= .00ft
   567.30    -49.16    568.75   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.594ft  HL=1.451ft
Hev= .00ft
   567.40    -47.42    568.75   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.553ft  HL=1.350ft
Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
567.50	-45.63	568.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.512ft HL=1.250ft Hev= .00ft
567.60	-43.77	568.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.471ft HL=1.150ft Hev= .00ft
567.70	-41.82	568.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.430ft HL=1.050ft Hev= .00ft
567.75	-40.82	568.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.409ft HL=1.000ft Hev= .00ft
567.80	-39.77	568.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.389ft HL=.949ft Hev= .00ft
567.90	-37.62	568.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.348ft HL=.850ft Hev= .00ft
568.00	-35.33	568.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.307ft HL=.749ft Hev= .00ft
568.10	-32.90	568.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.266ft HL=.650ft Hev= .00ft
568.20	-30.28	568.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.225ft HL=.550ft Hev= .00ft
568.25	-28.85	568.75	.000	

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                  REVERSE FULL: Lfull=70.01ft  Vh=.205ft  HL=.500ft Hev=
.00ft
   568.30    -27.37    568.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.184ft  HL=.450ft Hev=
.00ft
   568.40    -24.13    568.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.143ft  HL=.349ft Hev=
.00ft
   568.50    -20.41    568.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.102ft  HL=.250ft Hev=
.00ft
   568.60    -15.83    568.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.062ft  HL=.150ft Hev=
.00ft
   568.70     -9.16    568.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.021ft  HL=.050ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	.00	568.75	.000	HW = TW elev
568.80	9.19	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.021ft HL=.051ft Hev=.00ft
568.90	15.83	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.062ft HL=.150ft Hev=.00ft
569.00	20.40	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.102ft HL=.250ft Hev=.00ft
569.10	24.16	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.143ft HL=.350ft Hev=.00ft
569.20	27.40	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.185ft HL=.451ft Hev=.00ft
569.25	28.88	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.205ft HL=.501ft Hev=.00ft
569.30	30.27	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.225ft HL=.550ft Hev=.00ft
569.40	32.92	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.266ft HL=.650ft Hev=.00ft
569.50	35.37	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.307ft HL=.751ft Hev=.00ft

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   569.60     37.64    568.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.348ft  HL=.850ft Hev=
.00ft
   569.70     39.80    568.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.389ft  HL=.951ft Hev=
.00ft
   569.75     40.81    568.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.409ft  HL=1.000ft Hev=
.00ft
   569.80     41.84    568.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.430ft  HL=1.051ft Hev=
.00ft
   569.90     43.76    568.75   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.471ft  HL=1.149ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	45.63	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.512ft HL=1.250ft Hev=.00ft
570.10	47.42	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.553ft HL=1.350ft Hev=.00ft
570.20	49.14	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.593ft HL=1.449ft Hev=.00ft
570.30	50.81	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.634ft HL=1.550ft Hev=.00ft
570.40	52.42	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.675ft HL=1.650ft Hev=.00ft
570.50	54.00	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.717ft HL=1.750ft Hev=.00ft
570.60	55.52	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.758ft HL=1.850ft Hev=.00ft
570.70	57.00	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.799ft HL=1.951ft Hev=.00ft
570.80	58.45	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=.840ft HL=2.051ft Hev=.00ft
570.90	59.86	568.75	.000	

```
                    FULL FLOW...Lfull=70.01ft  Vh=.880ft  HL=2.151ft Hev=
.00ft
   571.00     61.24    568.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.922ft  HL=2.251ft Hev=
.00ft
   571.10     62.57    568.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.962ft  HL=2.350ft Hev=
.00ft
   571.20     63.89    568.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.003ft  HL=2.450ft Hev=
.00ft
   571.30     65.17    568.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.044ft  HL=2.549ft Hev=
.00ft
   571.40     66.44    568.75   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.085ft  HL=2.650ft Hev=
.00ft

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   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	67.69	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.126ft HL=2.750ft Hev=.00ft
571.60	68.90	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.167ft HL=2.850ft Hev=.00ft
571.70	70.10	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.208ft HL=2.950ft Hev=.00ft
571.80	71.28	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.248ft HL=3.049ft Hev=.00ft
571.90	72.45	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.290ft HL=3.151ft Hev=.00ft
572.00	73.59	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.331ft HL=3.250ft Hev=.00ft
572.10	74.70	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.371ft HL=3.349ft Hev=.00ft
572.20	75.82	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.413ft HL=3.451ft Hev=.00ft
572.30	76.91	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.453ft HL=3.550ft Hev=.00ft
572.40	77.97	568.75	.000	

FULL FLOW...Lfull=70.01ft Vh=1.494ft HL=3.649ft Hev=
.00ft
572.50 79.04 568.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.535ft HL=3.750ft Hev=
.00ft
572.60 80.08 568.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.576ft HL=3.850ft Hev=
.00ft
572.70 81.12 568.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.617ft HL=3.950ft Hev=
.00ft
572.80 82.14 568.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.658ft HL=4.050ft Hev=
.00ft
572.90 83.15 568.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.699ft HL=4.150ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	84.14	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.740ft HL=4.250ft Hev=.00ft
573.10	85.12	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.781ft HL=4.350ft Hev=.00ft
573.20	86.11	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.822ft HL=4.451ft Hev=.00ft
573.30	87.06	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.863ft HL=4.550ft Hev=.00ft
573.40	88.02	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.904ft HL=4.650ft Hev=.00ft
573.50	88.96	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.945ft HL=4.750ft Hev=.00ft
573.60	89.89	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.986ft HL=4.850ft Hev=.00ft
573.70	90.81	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.027ft HL=4.950ft Hev=.00ft
573.80	91.72	568.75	.000	FULL FLOW...Lfull=70.01ft Vh=2.068ft HL=5.050ft Hev=.00ft
573.90	92.63	568.75	.000	

FULL FLOW...Lfull=70.01ft Vh=2.109ft HL=5.151ft Hev=
.00ft
574.00 93.51 568.75 .000
FULL FLOW...Lfull=70.01ft Vh=2.149ft HL=5.249ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	568.75	.000	

```
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   565.90      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.00      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.10      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.20      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.25      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.30      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	568.75	.000	

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                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.30      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.40      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.50      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.60      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.70      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.75      -.00    568.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.90	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.00	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.10	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.20	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.25	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.30	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.40	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.50	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.60	-.00	568.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.70	-.00	568.75	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

568.75	.00	568.75	.000
	Upstream HW & DNstream TW < Inv.El		
568.80	.00	568.75	.000
	Upstream HW & DNstream TW < Inv.El		
568.90	.00	568.75	.000
	Upstream HW & DNstream TW < Inv.El		
569.00	.00	568.75	.000
	Upstream HW & DNstream TW < Inv.El		
569.10	.00	568.75	.000
	Upstream HW & DNstream TW < Inv.El		
569.20	.00	568.75	.000
	Upstream HW & DNstream TW < Inv.El		

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PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	568.75	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	568.75	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	568.75	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft
570.50	.38	568.75	.000	

CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft

570.60 .57 568.75 .000

CRIT.DEPTH CONTROL Vh= .097ft Dcr= .281ft H.JUMP IN PIPE Hev= .00ft

570.70 .88 568.75 .000

CRIT.DEPTH CONTROL Vh= .108ft Dcr= .312ft H.JUMP IN PIPE Hev= .00ft

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PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
570.80	1.23	568.75	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	568.75	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	568.75	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	568.75	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	568.75	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	568.75	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	568.75	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	568.75	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft H.JUMP IN PIPE Hev= .00ft
571.60	5.90	568.75	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft H.JUMP IN PIPE Hev= .00ft
571.70	6.54	568.75	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft H.JUMP IN PIPE Hev= .00ft
571.80	7.40	568.75	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft  H.JUMP IN
PIPE Hev= .00ft
   571.90      8.18    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft  H.JUMP
IN PIPE Hev= .00ft
   572.00      9.04    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft  H.JUMP
IN PIPE Hev= .00ft
   572.10      9.81    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft  H.JUMP
IN PIPE Hev= .00ft
   572.20     10.77    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft  H.JUMP
IN PIPE Hev= .00ft
   572.30     11.58    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft  H.JUMP
IN PIPE Hev= .00ft
   572.40     12.43    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft  H.JUMP
IN PIPE Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
572.50	13.41	568.75	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft H.JUMP IN PIPE Hev= .00ft
572.60	14.27	568.75	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft H.JUMP IN PIPE Hev= .00ft
572.70	15.16	568.75	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft H.JUMP IN PIPE Hev= .00ft
572.80	16.11	568.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft H.JUMP IN PIPE Hev= .00ft
572.90	17.06	568.75	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft H.JUMP IN PIPE Hev= .00ft
573.00	17.77	568.75	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft H.JUMP IN PIPE Hev= .00ft
573.10	18.71	568.75	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft H.JUMP IN PIPE Hev= .00ft
573.20	19.60	568.75	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft H.JUMP IN PIPE Hev= .00ft
573.30	20.41	568.75	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft H.JUMP IN PIPE Hev= .00ft
573.40	21.24	568.75	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft H.JUMP IN PIPE Hev= .00ft
573.50	22.07	568.75	.000	

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                    CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft  H.JUMP
IN PIPE Hev= .00ft
   573.60     22.83    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft  H.JUMP
IN PIPE Hev= .00ft
   573.70     23.61    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft  H.JUMP
IN PIPE Hev= .00ft
   573.80     24.40    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft  H.JUMP
IN PIPE Hev= .00ft
   573.90     25.15    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft
CRIT.DEPTH Hev= .00ft
   574.00     25.79    568.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft
CRIT.DEPTH Hev= .00ft


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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
565.00	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
565.10	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
565.20	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
565.25	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
565.30	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
565.40	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
565.50	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
565.60	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
565.70	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
565.75	-56.62	569.00	.000	

REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft
Hev= .00ft
565.80 -56.62 569.00 .000
REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft
Hev= .00ft
565.90 -56.62 569.00 .000
REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft
Hev= .00ft
566.00 -56.62 569.00 .000
REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft
Hev= .00ft
566.10 -56.62 569.00 .000
REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft
Hev= .00ft
566.20 -56.62 569.00 .000
REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft
Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
566.30	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
566.40	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
566.50	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
566.60	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
566.70	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
566.75	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
566.80	-56.62	569.00	.000	REVERSE FULL: Lfull=62.29ft Vh=.788ft HL=1.860ft Hev= .00ft
566.90	-56.58	569.00	.000	REVERSE FULL: Lfull=62.41ft Vh=.787ft HL=1.858ft Hev= .00ft
567.00	-56.27	569.00	.000	

```
                    REVERSE FULL: Lfull=63.34ft  Vh=.778ft  HL=1.845ft
Hev= .00ft
   567.10    -55.60    569.00   .000
                    REVERSE FULL: Lfull=65.25ft  Vh=.760ft  HL=1.817ft
Hev= .00ft
   567.20    -54.62    569.00   .000
                    REVERSE FULL: Lfull=68.15ft  Vh=.733ft  HL=1.776ft
Hev= .00ft
   567.25    -54.00    569.00   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.717ft  HL=1.750ft
Hev= .00ft
   567.30    -53.22    569.00   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.696ft  HL=1.700ft
Hev= .00ft
   567.40    -51.64    569.00   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.655ft  HL=1.601ft
Hev= .00ft

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   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	-49.97	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.614ft HL=1.499ft Hev= .00ft
567.60	-48.30	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.573ft HL=1.401ft Hev= .00ft
567.70	-46.54	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.532ft HL=1.300ft Hev= .00ft
567.75	-45.63	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.512ft HL=1.250ft Hev= .00ft
567.80	-44.73	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.492ft HL=1.201ft Hev= .00ft
567.90	-42.82	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.451ft HL=1.101ft Hev= .00ft
568.00	-40.82	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.409ft HL=1.000ft Hev= .00ft
568.10	-38.72	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.368ft HL=.900ft Hev= .00ft
568.20	-36.53	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.328ft HL=.801ft Hev= .00ft
568.25	-35.33	569.00	.000	

REVERSE FULL: Lfull=70.01ft Vh=.307ft HL=.749ft Hev=
.00ft
568.30 -34.14 569.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.286ft HL=.700ft Hev=
.00ft
568.40 -31.61 569.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.246ft HL=.600ft Hev=
.00ft
568.50 -28.85 569.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.205ft HL=.500ft Hev=
.00ft
568.60 -25.84 569.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.164ft HL=.401ft Hev=
.00ft
568.70 -22.36 569.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.123ft HL=.300ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev,Device Q | Tail Water | Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
568.75	-20.41	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.102ft HL=.250ft Hev=.00ft
568.80	-18.22	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.082ft HL=.199ft Hev=.00ft
568.90	-12.97	569.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.041ft HL=.101ft Hev=.00ft
569.00	.00	569.00	.000	HW = TW elev
569.10	12.85	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.041ft HL=.099ft Hev=.00ft
569.20	18.22	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.082ft HL=.199ft Hev=.00ft
569.25	20.41	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.102ft HL=.250ft Hev=.00ft
569.30	22.33	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.123ft HL=.299ft Hev=.00ft
569.40	25.83	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.164ft HL=.401ft Hev=.00ft
569.50	28.83	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.204ft HL=.499ft Hev=.00ft

```
   569.60     31.61    569.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.246ft  HL=.600ft Hev=
.00ft
   569.70     34.13    569.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.286ft  HL=.699ft Hev=
.00ft
   569.75     35.34    569.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.307ft  HL=.750ft Hev=
.00ft
   569.80     36.52    569.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.328ft  HL=.801ft Hev=
.00ft
   569.90     38.72    569.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.368ft  HL=.900ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	40.83	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.410ft HL=1.000ft Hev=.00ft
570.10	42.81	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.450ft HL=1.100ft Hev=.00ft
570.20	44.71	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.491ft HL=1.200ft Hev=.00ft
570.30	46.54	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.532ft HL=1.300ft Hev=.00ft
570.40	48.31	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.573ft HL=1.401ft Hev=.00ft
570.50	49.98	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.614ft HL=1.499ft Hev=.00ft
570.60	51.63	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.655ft HL=1.600ft Hev=.00ft
570.70	53.22	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.696ft HL=1.700ft Hev=.00ft
570.80	54.76	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=.737ft HL=1.800ft Hev=.00ft
570.90	56.26	569.00	.000	

```
                    FULL FLOW...Lfull=70.01ft  Vh=.778ft  HL=1.900ft Hev=
.00ft
   571.00     57.73    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.819ft  HL=2.001ft Hev=
.00ft
   571.10     59.15    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.860ft  HL=2.100ft Hev=
.00ft
   571.20     60.54    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.901ft  HL=2.200ft Hev=
.00ft
   571.30     61.91    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.942ft  HL=2.300ft Hev=
.00ft
   571.40     63.24    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.983ft  HL=2.401ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
571.50	64.53	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.023ft HL=2.500ft Hev=.00ft
571.60	65.81	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.064ft HL=2.600ft Hev=.00ft
571.70	67.08	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.106ft HL=2.701ft Hev=.00ft
571.80	68.30	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.146ft HL=2.800ft Hev=.00ft
571.90	69.50	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.187ft HL=2.899ft Hev=.00ft
572.00	70.69	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.228ft HL=3.000ft Hev=.00ft
572.10	71.87	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.269ft HL=3.100ft Hev=.00ft
572.20	73.02	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.310ft HL=3.201ft Hev=.00ft
572.30	74.16	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.351ft HL=3.301ft Hev=.00ft
572.40	75.26	569.00	.000	

```
                    FULL FLOW...Lfull=70.01ft  Vh=1.392ft  HL=3.400ft Hev=
.00ft
   572.50     76.36    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.433ft  HL=3.500ft Hev=
.00ft
   572.60     77.44    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.474ft  HL=3.600ft Hev=
.00ft
   572.70     78.51    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.515ft  HL=3.700ft Hev=
.00ft
   572.80     79.57    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.556ft  HL=3.800ft Hev=
.00ft
   572.90     80.60    569.00   .000
                    FULL FLOW...Lfull=70.01ft  Vh=1.597ft  HL=3.900ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	81.63	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.638ft HL=4.000ft Hev=.00ft
573.10	82.64	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.678ft HL=4.099ft Hev=.00ft
573.20	83.65	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.719ft HL=4.200ft Hev=.00ft
573.30	84.64	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.760ft HL=4.300ft Hev=.00ft
573.40	85.62	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.802ft HL=4.400ft Hev=.00ft
573.50	86.58	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.842ft HL=4.500ft Hev=.00ft
573.60	87.54	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.883ft HL=4.600ft Hev=.00ft
573.70	88.49	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.924ft HL=4.700ft Hev=.00ft
573.80	89.43	569.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.965ft HL=4.801ft Hev=.00ft
573.90	90.35	569.00	.000	

FULL FLOW...Lfull=70.01ft Vh=2.006ft HL=4.900ft Hev=
.00ft
574.00 91.26 569.00 .000
FULL FLOW...Lfull=70.01ft Vh=2.047ft HL=5.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	569.00	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	569.00	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.30 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.40 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.50 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.60 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.70 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.75 -.00 569.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.90	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.00	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.10	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.20	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.25	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.30	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.40	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.50	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.60	-.00	569.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.70	-.00	569.00	.000	

```
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.75      -.00    569.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.80      -.00    569.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.90      -.00    569.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.00       .00    569.00   .000
                    Upstream HW & DNstream TW < Inv.El
   569.10       .00    569.00   .000
                    Upstream HW & DNstream TW < Inv.El
   569.20       .00    569.00   .000
                    Upstream HW & DNstream TW < Inv.El

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	569.00	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	569.00	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	569.00	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft
570.50	.38	569.00	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    569.00   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft  H.JUMP IN
PIPE Hev= .00ft
   570.70       .88    569.00   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes: Computation Messages
570.80	1.23	569.00	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	569.00	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	569.00	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	569.00	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	569.00	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	569.00	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	569.00	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	569.00	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft H.JUMP IN PIPE Hev= .00ft
571.60	5.90	569.00	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft H.JUMP IN PIPE Hev= .00ft
571.70	6.54	569.00	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft H.JUMP IN PIPE Hev= .00ft
571.80	7.40	569.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft  H.JUMP IN
PIPE Hev= .00ft
   571.90      8.18    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft  H.JUMP
IN PIPE Hev= .00ft
   572.00      9.04    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft  H.JUMP
IN PIPE Hev= .00ft
   572.10      9.81    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft  H.JUMP
IN PIPE Hev= .00ft
   572.20     10.77    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft  H.JUMP
IN PIPE Hev= .00ft
   572.30     11.58    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft  H.JUMP
IN PIPE Hev= .00ft
   572.40     12.43    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft  H.JUMP
IN PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
572.50	13.41	569.00	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft H.JUMP IN PIPE Hev= .00ft
572.60	14.27	569.00	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft H.JUMP IN PIPE Hev= .00ft
572.70	15.16	569.00	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft H.JUMP IN PIPE Hev= .00ft
572.80	16.11	569.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft H.JUMP IN PIPE Hev= .00ft
572.90	17.06	569.00	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft H.JUMP IN PIPE Hev= .00ft
573.00	17.77	569.00	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft H.JUMP IN PIPE Hev= .00ft
573.10	18.71	569.00	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft H.JUMP IN PIPE Hev= .00ft
573.20	19.60	569.00	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft H.JUMP IN PIPE Hev= .00ft
573.30	20.41	569.00	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft H.JUMP IN PIPE Hev= .00ft
573.40	21.24	569.00	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft H.JUMP IN PIPE Hev= .00ft
573.50	22.07	569.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft  H.JUMP
IN PIPE Hev= .00ft
   573.60     22.83    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft  H.JUMP
IN PIPE Hev= .00ft
   573.70     23.61    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft  H.JUMP
IN PIPE Hev= .00ft
   573.80     24.40    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft  H.JUMP
IN PIPE Hev= .00ft
   573.90     25.15    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft  H.JUMP
IN PIPE Hev= .00ft
   574.00     25.79    569.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft  H.JUMP
IN PIPE Hev= .00ft


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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
565.10	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
565.20	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
565.25	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
565.30	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
565.40	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
565.50	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
565.60	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
565.70	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
565.75	-59.84	569.25	.000	

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                    REVERSE FULL: Lfull=63.63ft  Vh=.880ft  HL=2.090ft
Hev= .00ft
   565.80    -59.84    569.25   .000
                    REVERSE FULL: Lfull=63.63ft  Vh=.880ft  HL=2.090ft
Hev= .00ft
   565.90    -59.84    569.25   .000
                    REVERSE FULL: Lfull=63.63ft  Vh=.880ft  HL=2.090ft
Hev= .00ft
   566.00    -59.84    569.25   .000
                    REVERSE FULL: Lfull=63.63ft  Vh=.880ft  HL=2.090ft
Hev= .00ft
   566.10    -59.84    569.25   .000
                    REVERSE FULL: Lfull=63.63ft  Vh=.880ft  HL=2.090ft
Hev= .00ft
   566.20    -59.84    569.25   .000
                    REVERSE FULL: Lfull=63.63ft  Vh=.880ft  HL=2.090ft
Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
566.30	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
566.40	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
566.50	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
566.60	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
566.70	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
566.75	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
566.80	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
566.90	-59.84	569.25	.000	REVERSE FULL: Lfull=63.63ft Vh=.880ft HL=2.090ft Hev= .00ft
567.00	-59.65	569.25	.000	

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                    REVERSE FULL: Lfull=64.22ft  Vh=.874ft  HL=2.082ft
Hev= .00ft
   567.10    -59.18    569.25   .000
                    REVERSE FULL: Lfull=65.67ft  Vh=.861ft  HL=2.062ft
Hev= .00ft
   567.20    -58.29    569.25   .000
                    REVERSE FULL: Lfull=68.29ft  Vh=.835ft  HL=2.025ft
Hev= .00ft
   567.25    -57.72    569.25   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.819ft  HL=2.000ft
Hev= .00ft
   567.30    -56.98    569.25   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.798ft  HL=1.949ft
Hev= .00ft
   567.40    -55.50    569.25   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.757ft  HL=1.849ft
Hev= .00ft

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   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	-54.00	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.717ft HL=1.750ft Hev= .00ft
567.60	-52.43	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.676ft HL=1.650ft Hev= .00ft
567.70	-50.83	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.635ft HL=1.551ft Hev= .00ft
567.75	-49.97	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.614ft HL=1.499ft Hev= .00ft
567.80	-49.16	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.594ft HL=1.451ft Hev= .00ft
567.90	-47.42	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.553ft HL=1.350ft Hev= .00ft
568.00	-45.63	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.512ft HL=1.250ft Hev= .00ft
568.10	-43.77	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.471ft HL=1.150ft Hev= .00ft
568.20	-41.82	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.430ft HL=1.050ft Hev= .00ft
568.25	-40.82	569.25	.000	

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                    REVERSE FULL: Lfull=70.01ft  Vh=.409ft  HL=1.000ft
Hev= .00ft
   568.30    -39.77    569.25   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.389ft  HL=.949ft Hev=
.00ft
   568.40    -37.62    569.25   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.348ft  HL=.850ft Hev=
.00ft
   568.50    -35.33    569.25   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.307ft  HL=.749ft Hev=
.00ft
   568.60    -32.90    569.25   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.266ft  HL=.650ft Hev=
.00ft
   568.70    -30.28    569.25   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.225ft  HL=.550ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	-28.85	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.205ft HL=.500ft Hev=.00ft
568.80	-27.37	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.184ft HL=.450ft Hev=.00ft
568.90	-24.13	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.143ft HL=.349ft Hev=.00ft
569.00	-20.41	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.102ft HL=.250ft Hev=.00ft
569.10	-15.83	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.062ft HL=.150ft Hev=.00ft
569.20	-9.16	569.25	.000	REVERSE FULL: Lfull=70.01ft Vh=.021ft HL=.050ft Hev=.00ft
569.25	.00	569.25	.000	HW = TW elev
569.30	9.14	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.021ft HL=.050ft Hev=.00ft
569.40	15.79	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.061ft HL=.150ft Hev=.00ft
569.50	20.42	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.103ft HL=.250ft Hev=.00ft

569.60 24.13 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.143ft HL=.349ft Hev=
.00ft
569.70 27.39 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.184ft HL=.450ft Hev=
.00ft
569.75 28.85 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.205ft HL=.500ft Hev=
.00ft
569.80 30.26 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.225ft HL=.549ft Hev=
.00ft
569.90 32.92 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.266ft HL=.651ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	35.35	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.307ft HL=.750ft Hev=.00ft
570.10	37.62	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.348ft HL=.850ft Hev=.00ft
570.20	39.78	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.389ft HL=.950ft Hev=.00ft
570.30	41.84	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.430ft HL=1.051ft Hev=.00ft
570.40	43.76	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.471ft HL=1.150ft Hev=.00ft
570.50	45.64	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.512ft HL=1.250ft Hev=.00ft
570.60	47.43	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.553ft HL=1.350ft Hev=.00ft
570.70	49.15	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.594ft HL=1.450ft Hev=.00ft
570.80	50.82	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.635ft HL=1.550ft Hev=.00ft
570.90	52.43	569.25	.000	

FULL FLOW...Lfull=70.01ft Vh=.676ft HL=1.650ft Hev=
.00ft
571.00 54.00 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.717ft HL=1.751ft Hev=
.00ft
571.10 55.51 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.757ft HL=1.850ft Hev=
.00ft
571.20 56.99 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.798ft HL=1.949ft Hev=
.00ft
571.30 58.43 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.839ft HL=2.049ft Hev=
.00ft
571.40 59.85 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=.880ft HL=2.150ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	61.23	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.921ft HL=2.250ft Hev=.00ft
571.60	62.57	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=.962ft HL=2.350ft Hev=.00ft
571.70	63.88	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.003ft HL=2.450ft Hev=.00ft
571.80	65.17	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.044ft HL=2.549ft Hev=.00ft
571.90	66.44	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.085ft HL=2.650ft Hev=.00ft
572.00	67.67	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.125ft HL=2.749ft Hev=.00ft
572.10	68.91	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.167ft HL=2.850ft Hev=.00ft
572.20	70.11	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.208ft HL=2.951ft Hev=.00ft
572.30	71.28	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.249ft HL=3.050ft Hev=.00ft
572.40	72.45	569.25	.000	

FULL FLOW...Lfull=70.01ft Vh=1.290ft HL=3.151ft Hev=
.00ft
572.50 73.58 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.330ft HL=3.250ft Hev=
.00ft
572.60 74.70 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.371ft HL=3.350ft Hev=
.00ft
572.70 75.80 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.412ft HL=3.449ft Hev=
.00ft
572.80 76.91 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.453ft HL=3.550ft Hev=
.00ft
572.90 77.99 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.495ft HL=3.651ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	79.04	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.535ft HL=3.750ft Hev=.00ft
573.10	80.09	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.577ft HL=3.851ft Hev=.00ft
573.20	81.13	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.617ft HL=3.951ft Hev=.00ft
573.30	82.14	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.658ft HL=4.050ft Hev=.00ft
573.40	83.15	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.699ft HL=4.150ft Hev=.00ft
573.50	84.14	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.740ft HL=4.249ft Hev=.00ft
573.60	85.12	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.781ft HL=4.349ft Hev=.00ft
573.70	86.10	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.822ft HL=4.450ft Hev=.00ft
573.80	87.07	569.25	.000	FULL FLOW...Lfull=70.01ft Vh=1.863ft HL=4.550ft Hev=.00ft
573.90	88.02	569.25	.000	

FULL FLOW...Lfull=70.01ft Vh=1.904ft HL=4.650ft Hev=
.00ft
574.00 88.95 569.25 .000
FULL FLOW...Lfull=70.01ft Vh=1.945ft HL=4.750ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	569.25	.000	

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                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   565.90      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.00      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.10      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.20      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.25      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.30      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	569.25	.000	

```
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.30      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.40      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.50      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.60      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.70      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.75      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.90	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.00	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.10	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.20	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.25	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.30	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.40	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.50	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.60	-.00	569.25	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.70	-.00	569.25	.000	

```
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.75      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.80      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.90      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.00      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.10      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.20      -.00    569.25   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
569.30	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
569.40	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
569.50	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	569.25	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	569.25	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	569.25	.000	CRIT.DEPTH CONTROL Vh= .064ft Dcr= .187ft H.JUMP IN PIPE Hev= .00ft
570.50	.38	569.25	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    569.25   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft  H.JUMP IN
PIPE Hev= .00ft
   570.70       .88    569.25   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q		Tail Water		Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
570.80	1.23	569.25	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	569.25	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	569.25	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	569.25	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	569.25	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	569.25	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	569.25	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	569.25	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft H.JUMP IN PIPE Hev= .00ft
571.60	5.90	569.25	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft H.JUMP IN PIPE Hev= .00ft
571.70	6.54	569.25	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft H.JUMP IN PIPE Hev= .00ft
571.80	7.40	569.25	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft  H.JUMP IN
PIPE Hev= .00ft
   571.90      8.18    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft  H.JUMP
IN PIPE Hev= .00ft
   572.00      9.04    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft  H.JUMP
IN PIPE Hev= .00ft
   572.10      9.81    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft  H.JUMP
IN PIPE Hev= .00ft
   572.20     10.77    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft  H.JUMP
IN PIPE Hev= .00ft
   572.30     11.58    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft  H.JUMP
IN PIPE Hev= .00ft
   572.40     12.43    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft  H.JUMP
IN PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
572.50	13.41	569.25	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft H.JUMP IN PIPE Hev= .00ft
572.60	14.27	569.25	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft H.JUMP IN PIPE Hev= .00ft
572.70	15.16	569.25	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft H.JUMP IN PIPE Hev= .00ft
572.80	16.11	569.25	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft H.JUMP IN PIPE Hev= .00ft
572.90	17.06	569.25	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft H.JUMP IN PIPE Hev= .00ft
573.00	17.77	569.25	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft H.JUMP IN PIPE Hev= .00ft
573.10	18.71	569.25	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft H.JUMP IN PIPE Hev= .00ft
573.20	19.60	569.25	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft H.JUMP IN PIPE Hev= .00ft
573.30	20.41	569.25	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft H.JUMP IN PIPE Hev= .00ft
573.40	21.24	569.25	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft H.JUMP IN PIPE Hev= .00ft
573.50	22.07	569.25	.000	

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                    CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft  H.JUMP
IN PIPE Hev= .00ft
   573.60     22.83    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft  H.JUMP
IN PIPE Hev= .00ft
   573.70     23.61    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft  H.JUMP
IN PIPE Hev= .00ft
   573.80     24.40    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft  H.JUMP
IN PIPE Hev= .00ft
   573.90     25.15    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft  H.JUMP
IN PIPE Hev= .00ft
   574.00     25.79    569.25   .000
                    CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft  H.JUMP
IN PIPE Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
565.10	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
565.20	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
565.25	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
565.30	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
565.40	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
565.50	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
565.60	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
565.70	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
565.75	-62.97	569.50	.000	

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                    REVERSE FULL: Lfull=64.74ft  Vh=.974ft  HL=2.325ft
Hev= .00ft
   565.80    -62.97    569.50   .000
                    REVERSE FULL: Lfull=64.74ft  Vh=.974ft  HL=2.325ft
Hev= .00ft
   565.90    -62.97    569.50   .000
                    REVERSE FULL: Lfull=64.74ft  Vh=.974ft  HL=2.325ft
Hev= .00ft
   566.00    -62.97    569.50   .000
                    REVERSE FULL: Lfull=64.74ft  Vh=.974ft  HL=2.325ft
Hev= .00ft
   566.10    -62.97    569.50   .000
                    REVERSE FULL: Lfull=64.74ft  Vh=.974ft  HL=2.325ft
Hev= .00ft
   566.20    -62.97    569.50   .000
                    REVERSE FULL: Lfull=64.74ft  Vh=.974ft  HL=2.325ft
Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
566.30	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
566.40	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
566.50	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
566.60	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
566.70	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
566.75	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
566.80	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
566.90	-62.97	569.50	.000	REVERSE FULL: Lfull=64.74ft Vh=.974ft HL=2.325ft Hev= .00ft
567.00	-62.89	569.50	.000	

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                    REVERSE FULL: Lfull=64.91ft  Vh=.972ft  HL=2.322ft
Hev= .00ft
   567.10    -62.47    569.50   .000
                    REVERSE FULL: Lfull=66.20ft  Vh=.959ft  HL=2.303ft
Hev= .00ft
   567.20    -61.75    569.50   .000
                    REVERSE FULL: Lfull=68.44ft  Vh=.937ft  HL=2.273ft
Hev= .00ft
   567.25    -61.23    569.50   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.921ft  HL=2.250ft
Hev= .00ft
   567.30    -60.53    569.50   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.901ft  HL=2.200ft
Hev= .00ft
   567.40    -59.15    569.50   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.860ft  HL=2.100ft
Hev= .00ft

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   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	-57.72	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.819ft HL=2.000ft Hev= .00ft
567.60	-56.27	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.778ft HL=1.900ft Hev= .00ft
567.70	-54.76	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.737ft HL=1.800ft Hev= .00ft
567.75	-54.00	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.717ft HL=1.750ft Hev= .00ft
567.80	-53.22	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.696ft HL=1.700ft Hev= .00ft
567.90	-51.64	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.655ft HL=1.601ft Hev= .00ft
568.00	-49.97	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.614ft HL=1.499ft Hev= .00ft
568.10	-48.30	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.573ft HL=1.401ft Hev= .00ft
568.20	-46.54	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.532ft HL=1.300ft Hev= .00ft
568.25	-45.63	569.50	.000	

REVERSE FULL: Lfull=70.01ft Vh=.512ft HL=1.250ft Hev= .00ft
568.30 -44.73 569.50 .000
REVERSE FULL: Lfull=70.01ft Vh=.492ft HL=1.201ft Hev= .00ft
568.40 -42.82 569.50 .000
REVERSE FULL: Lfull=70.01ft Vh=.451ft HL=1.101ft Hev= .00ft
568.50 -40.82 569.50 .000
REVERSE FULL: Lfull=70.01ft Vh=.409ft HL=1.000ft Hev= .00ft
568.60 -38.72 569.50 .000
REVERSE FULL: Lfull=70.01ft Vh=.368ft HL=.900ft Hev= .00ft
568.70 -36.53 569.50 .000
REVERSE FULL: Lfull=70.01ft Vh=.328ft HL=.801ft Hev= .00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	-35.33	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.307ft HL=.749ft Hev=.00ft
568.80	-34.14	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.286ft HL=.700ft Hev=.00ft
568.90	-31.61	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.246ft HL=.600ft Hev=.00ft
569.00	-28.85	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.205ft HL=.500ft Hev=.00ft
569.10	-25.84	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.164ft HL=.401ft Hev=.00ft
569.20	-22.36	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.123ft HL=.300ft Hev=.00ft
569.25	-20.41	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.102ft HL=.250ft Hev=.00ft
569.30	-18.22	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.082ft HL=.199ft Hev=.00ft
569.40	-12.97	569.50	.000	REVERSE FULL: Lfull=70.01ft Vh=.041ft HL=.101ft Hev=.00ft
569.50	.00	569.50	.000	HW = TW elev

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   569.60     12.90    569.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.041ft  HL=.100ft Hev=
.00ft
   569.70     18.23    569.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.082ft  HL=.200ft Hev=
.00ft
   569.75     20.41    569.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.102ft  HL=.250ft Hev=
.00ft
   569.80     22.38    569.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.123ft  HL=.301ft Hev=
.00ft
   569.90     25.84    569.50   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.164ft  HL=.401ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	28.85	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.205ft HL=.500ft Hev=.00ft
570.10	31.61	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.246ft HL=.600ft Hev=.00ft
570.20	34.15	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.287ft HL=.700ft Hev=.00ft
570.30	36.51	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.328ft HL=.800ft Hev=.00ft
570.40	38.71	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.368ft HL=.899ft Hev=.00ft
570.50	40.82	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.409ft HL=1.000ft Hev=.00ft
570.60	42.82	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.451ft HL=1.100ft Hev=.00ft
570.70	44.72	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.492ft HL=1.201ft Hev=.00ft
570.80	46.54	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.532ft HL=1.300ft Hev=.00ft
570.90	48.29	569.50	.000	

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                    FULL FLOW...Lfull=70.01ft  Vh=.573ft  HL=1.400ft Hev=
.00ft
   571.00     49.99    569.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.614ft  HL=1.500ft Hev=
.00ft
   571.10     51.62    569.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.655ft  HL=1.600ft Hev=
.00ft
   571.20     53.22    569.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.696ft  HL=1.700ft Hev=
.00ft
   571.30     54.77    569.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.737ft  HL=1.800ft Hev=
.00ft
   571.40     56.27    569.50   .000
                    FULL FLOW...Lfull=70.01ft  Vh=.778ft  HL=1.900ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	57.73	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.819ft HL=2.000ft Hev=.00ft
571.60	59.14	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.859ft HL=2.099ft Hev=.00ft
571.70	60.54	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.901ft HL=2.200ft Hev=.00ft
571.80	61.89	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.941ft HL=2.300ft Hev=.00ft
571.90	63.23	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=.983ft HL=2.400ft Hev=.00ft
572.00	64.54	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.024ft HL=2.500ft Hev=.00ft
572.10	65.82	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.065ft HL=2.601ft Hev=.00ft
572.20	67.08	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.106ft HL=2.701ft Hev=.00ft
572.30	68.29	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.146ft HL=2.800ft Hev=.00ft
572.40	69.52	569.50	.000	

FULL FLOW...Lfull=70.01ft Vh=1.188ft HL=2.901ft Hev=
.00ft
572.50 70.70 569.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.228ft HL=3.001ft Hev=
.00ft
572.60 71.85 569.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.269ft HL=3.099ft Hev=
.00ft
572.70 73.01 569.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.310ft HL=3.200ft Hev=
.00ft
572.80 74.15 569.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.351ft HL=3.300ft Hev=
.00ft
572.90 75.26 569.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.392ft HL=3.400ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	76.35	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.433ft HL=3.499ft Hev=.00ft
573.10	77.44	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.474ft HL=3.600ft Hev=.00ft
573.20	78.51	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.515ft HL=3.700ft Hev=.00ft
573.30	79.57	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.556ft HL=3.801ft Hev=.00ft
573.40	80.61	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.597ft HL=3.900ft Hev=.00ft
573.50	81.63	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.638ft HL=4.000ft Hev=.00ft
573.60	82.66	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.679ft HL=4.101ft Hev=.00ft
573.70	83.65	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.719ft HL=4.200ft Hev=.00ft
573.80	84.64	569.50	.000	FULL FLOW...Lfull=70.01ft Vh=1.761ft HL=4.300ft Hev=.00ft
573.90	85.62	569.50	.000	

FULL FLOW...Lfull=70.01ft Vh=1.801ft HL=4.400ft Hev=
.00ft
574.00 86.59 569.50 .000
FULL FLOW...Lfull=70.01ft Vh=1.842ft HL=4.500ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	569.50	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	569.50	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.30 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.40 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.50 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.60 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.70 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.75 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.90	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.00	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.10	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.20	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.25	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.30	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.40	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.50	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.60	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.70	-.00	569.50	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
568.75 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
568.80 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
568.90 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
569.00 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
569.10 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
569.20 -.00 569.50 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev= .00ft
569.30	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev= .00ft
569.40	-.00	569.50	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev= .00ft
569.50	.00	569.50	.000	Upstream HW & DNstream TW < Inv.El
569.60	.00	569.50	.000	Upstream HW & DNstream TW < Inv.El
569.70	.00	569.50	.000	Upstream HW & DNstream TW < Inv.El
569.75	.00	569.50	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	569.50	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	569.50	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	569.50	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	569.50	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	569.50	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	569.50	.000	CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
570.40	.18	569.50	.000	

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                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.50       .38    569.50   .000
                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    569.50   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft  H.JUMP IN
PIPE Hev= .00ft
   570.70       .88    569.50   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
570.80	1.23	569.50	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	569.50	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	569.50	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	569.50	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	569.50	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	569.50	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	569.50	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	569.50	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft H.JUMP IN PIPE Hev= .00ft
571.60	5.90	569.50	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft H.JUMP IN PIPE Hev= .00ft
571.70	6.54	569.50	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft H.JUMP IN PIPE Hev= .00ft
571.80	7.40	569.50	.000	

```
                  CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft  H.JUMP IN
PIPE Hev= .00ft
   571.90      8.18    569.50   .000
                  CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft  H.JUMP
IN PIPE Hev= .00ft
   572.00      9.04    569.50   .000
                  CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft  H.JUMP
IN PIPE Hev= .00ft
   572.10      9.81    569.50   .000
                  CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft  H.JUMP
IN PIPE Hev= .00ft
   572.20     10.77    569.50   .000
                  CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft  H.JUMP
IN PIPE Hev= .00ft
   572.30     11.58    569.50   .000
                  CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft  H.JUMP
IN PIPE Hev= .00ft
   572.40     12.43    569.50   .000
                  CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft  H.JUMP
IN PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
572.50	13.41	569.50	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft H.JUMP IN PIPE Hev= .00ft
572.60	14.27	569.50	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft H.JUMP IN PIPE Hev= .00ft
572.70	15.16	569.50	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft H.JUMP IN PIPE Hev= .00ft
572.80	16.11	569.50	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft H.JUMP IN PIPE Hev= .00ft
572.90	17.06	569.50	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft H.JUMP IN PIPE Hev= .00ft
573.00	17.77	569.50	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft H.JUMP IN PIPE Hev= .00ft
573.10	18.71	569.50	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft H.JUMP IN PIPE Hev= .00ft
573.20	19.60	569.50	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft H.JUMP IN PIPE Hev= .00ft
573.30	20.41	569.50	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft H.JUMP IN PIPE Hev= .00ft
573.40	21.24	569.50	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft H.JUMP IN PIPE Hev= .00ft
573.50	22.07	569.50	.000	

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                    CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft  H.JUMP
IN PIPE Hev= .00ft
   573.60     22.83    569.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft  H.JUMP
IN PIPE Hev= .00ft
   573.70     23.61    569.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft  H.JUMP
IN PIPE Hev= .00ft
   573.80     24.40    569.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft  H.JUMP
IN PIPE Hev= .00ft
   573.90     25.15    569.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft  H.JUMP
IN PIPE Hev= .00ft
   574.00     25.79    569.50   .000
                    CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft  H.JUMP
IN PIPE Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.00	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
565.10	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
565.20	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
565.25	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
565.30	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
565.40	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
565.50	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
565.60	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
565.70	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
565.75	-65.97	569.75	.000	

REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft
Hev= .00ft
565.80 -65.97 569.75 .000
REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft
Hev= .00ft
565.90 -65.97 569.75 .000
REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft
Hev= .00ft
566.00 -65.97 569.75 .000
REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft
Hev= .00ft
566.10 -65.97 569.75 .000
REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft
Hev= .00ft
566.20 -65.97 569.75 .000
REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft
Hev= .00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
566.25	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
566.30	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
566.40	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
566.50	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
566.60	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
566.70	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
566.75	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
566.80	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
566.90	-65.97	569.75	.000	REVERSE FULL: Lfull=65.66ft Vh=1.070ft HL=2.563ft Hev= .00ft
567.00	-65.95	569.75	.000	

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                    REVERSE FULL: Lfull=65.68ft  Vh=1.069ft  HL=2.561ft
Hev= .00ft
   567.10    -65.66    569.75   .000
                    REVERSE FULL: Lfull=66.55ft  Vh=1.060ft  HL=2.549ft
Hev= .00ft
   567.20    -65.02    569.75   .000
                    REVERSE FULL: Lfull=68.52ft  Vh=1.039ft  HL=2.521ft
Hev= .00ft
   567.25    -64.54    569.75   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=1.024ft  HL=2.500ft
Hev= .00ft
   567.30    -63.90    569.75   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=1.003ft  HL=2.451ft
Hev= .00ft
   567.40    -62.56    569.75   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=.962ft  HL=2.349ft
Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:              Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	-61.23	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.921ft HL=2.250ft Hev= .00ft
567.60	-59.84	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.880ft HL=2.150ft Hev= .00ft
567.70	-58.44	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.839ft HL=2.050ft Hev= .00ft
567.75	-57.72	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.819ft HL=2.000ft Hev= .00ft
567.80	-56.98	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.798ft HL=1.949ft Hev= .00ft
567.90	-55.50	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.757ft HL=1.849ft Hev= .00ft
568.00	-54.00	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.717ft HL=1.750ft Hev= .00ft
568.10	-52.43	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.676ft HL=1.650ft Hev= .00ft
568.20	-50.83	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.635ft HL=1.551ft Hev= .00ft
568.25	-49.97	569.75	.000	

REVERSE FULL: Lfull=70.01ft Vh=.614ft HL=1.499ft
Hev= .00ft
568.30 -49.16 569.75 .000
REVERSE FULL: Lfull=70.01ft Vh=.594ft HL=1.451ft
Hev= .00ft
568.40 -47.42 569.75 .000
REVERSE FULL: Lfull=70.01ft Vh=.553ft HL=1.350ft
Hev= .00ft
568.50 -45.63 569.75 .000
REVERSE FULL: Lfull=70.01ft Vh=.512ft HL=1.250ft
Hev= .00ft
568.60 -43.77 569.75 .000
REVERSE FULL: Lfull=70.01ft Vh=.471ft HL=1.150ft
Hev= .00ft
568.70 -41.82 569.75 .000
REVERSE FULL: Lfull=70.01ft Vh=.430ft HL=1.050ft
Hev= .00ft

S/N:
PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.75	-40.82	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.409ft HL=1.000ft Hev= .00ft
568.80	-39.77	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.389ft HL=.949ft Hev= .00ft
568.90	-37.62	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.348ft HL=.850ft Hev= .00ft
569.00	-35.33	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.307ft HL=.749ft Hev= .00ft
569.10	-32.90	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.266ft HL=.650ft Hev= .00ft
569.20	-30.28	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.225ft HL=.550ft Hev= .00ft
569.25	-28.85	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.205ft HL=.500ft Hev= .00ft
569.30	-27.37	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.184ft HL=.450ft Hev= .00ft
569.40	-24.13	569.75	.000	REVERSE FULL: Lfull=70.01ft Vh=.143ft HL=.349ft Hev= .00ft
569.50	-20.41	569.75	.000	

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                  REVERSE FULL: Lfull=70.01ft  Vh=.102ft  HL=.250ft Hev=
.00ft
   569.60    -15.83    569.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.062ft  HL=.150ft Hev=
.00ft
   569.70     -9.16    569.75   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.021ft  HL=.050ft Hev=
.00ft
   569.75       .00    569.75   .000
                  HW = TW elev
   569.80      9.14    569.75   .000
                  FULL FLOW...Lfull=70.01ft  Vh=.021ft  HL=.050ft Hev=
.00ft
   569.90     15.84    569.75   .000
                  FULL FLOW...Lfull=70.01ft  Vh=.062ft  HL=.151ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	20.37	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.102ft HL=.249ft Hev=.00ft
570.10	24.12	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.143ft HL=.349ft Hev=.00ft
570.20	27.39	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.184ft HL=.450ft Hev=.00ft
570.30	30.29	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.225ft HL=.551ft Hev=.00ft
570.40	32.92	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.266ft HL=.651ft Hev=.00ft
570.50	35.35	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.307ft HL=.750ft Hev=.00ft
570.60	37.63	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.348ft HL=.850ft Hev=.00ft
570.70	39.78	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.389ft HL=.950ft Hev=.00ft
570.80	41.83	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.430ft HL=1.050ft Hev=.00ft
570.90	43.78	569.75	.000	

FULL FLOW...Lfull=70.01ft Vh=.471ft HL=1.150ft Hev=
.00ft
571.00 45.62 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=.511ft HL=1.249ft Hev=
.00ft
571.10 47.43 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=.553ft HL=1.350ft Hev=
.00ft
571.20 49.14 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=.594ft HL=1.450ft Hev=
.00ft
571.30 50.82 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=.635ft HL=1.550ft Hev=
.00ft
571.40 52.42 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=.675ft HL=1.649ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	53.99	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.716ft HL=1.749ft Hev=.00ft
571.60	55.50	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.757ft HL=1.849ft Hev=.00ft
571.70	56.99	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.798ft HL=1.950ft Hev=.00ft
571.80	58.44	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.839ft HL=2.050ft Hev=.00ft
571.90	59.85	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.880ft HL=2.150ft Hev=.00ft
572.00	61.22	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.921ft HL=2.250ft Hev=.00ft
572.10	62.56	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=.962ft HL=2.349ft Hev=.00ft
572.20	63.89	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.003ft HL=2.450ft Hev=.00ft
572.30	65.18	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.044ft HL=2.550ft Hev=.00ft
572.40	66.44	569.75	.000	

FULL FLOW...Lfull=70.01ft Vh=1.085ft HL=2.650ft Hev=
.00ft
572.50 67.69 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.126ft HL=2.751ft Hev=
.00ft
572.60 68.90 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.167ft HL=2.850ft Hev=
.00ft
572.70 70.10 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.208ft HL=2.950ft Hev=
.00ft
572.80 71.28 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.249ft HL=3.050ft Hev=
.00ft
572.90 72.43 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.289ft HL=3.149ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	73.58	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.331ft HL=3.250ft Hev=.00ft
573.10	74.70	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.371ft HL=3.350ft Hev=.00ft
573.20	75.81	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.412ft HL=3.449ft Hev=.00ft
573.30	76.91	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.454ft HL=3.551ft Hev=.00ft
573.40	77.98	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.494ft HL=3.650ft Hev=.00ft
573.50	79.04	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.535ft HL=3.751ft Hev=.00ft
573.60	80.08	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.576ft HL=3.849ft Hev=.00ft
573.70	81.12	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.617ft HL=3.950ft Hev=.00ft
573.80	82.14	569.75	.000	FULL FLOW...Lfull=70.01ft Vh=1.658ft HL=4.050ft Hev=.00ft
573.90	83.15	569.75	.000	

FULL FLOW...Lfull=70.01ft Vh=1.699ft HL=4.150ft Hev=
.00ft
574.00 84.14 569.75 .000
FULL FLOW...Lfull=70.01ft Vh=1.740ft HL=4.250ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	569.75	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
565.90 -.00 569.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.00 -.00 569.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.10 -.00 569.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.20 -.00 569.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.25 -.00 569.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
566.30 -.00 569.75 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	569.75	.000	

```
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.30      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.40      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.50      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.60      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.70      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   567.75      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.90	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.00	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.10	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.20	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.25	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.30	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.40	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.50	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.60	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.70	-.00	569.75	.000	

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                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.75      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.80      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.90      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.00      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.10      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.20      -.00    569.75   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.30	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.40	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.50	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.60	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.70	-.00	569.75	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.75	.00	569.75	.000	Upstream HW & DNstream TW < Inv.El
569.80	.00	569.75	.000	Upstream HW & DNstream TW < Inv.El
569.90	.00	569.75	.000	Upstream HW & DNstream TW < Inv.El
570.00	.00	569.75	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	569.75	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	569.75	.000	Upstream HW & DNstream TW < Inv.El
570.30	.04	569.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .042ft  Dcr= .125ft  H.JUMP IN
PIPE Hev= .00ft
   570.40       .18    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.50       .38    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft  H.JUMP IN
PIPE Hev= .00ft
   570.70       .88    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.80	1.23	569.75	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	569.75	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	569.75	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	569.75	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	569.75	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	569.75	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	569.75	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	569.75	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft H.JUMP IN PIPE Hev= .00ft
571.60	5.90	569.75	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft H.JUMP IN PIPE Hev= .00ft
571.70	6.54	569.75	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft H.JUMP IN PIPE Hev= .00ft
571.80	7.40	569.75	.000	

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                  CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft  H.JUMP IN
PIPE Hev= .00ft
   571.90      8.18    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft  H.JUMP
IN PIPE Hev= .00ft
   572.00      9.04    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft  H.JUMP
IN PIPE Hev= .00ft
   572.10      9.81    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft  H.JUMP
IN PIPE Hev= .00ft
   572.20     10.77    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft  H.JUMP
IN PIPE Hev= .00ft
   572.30     11.58    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft  H.JUMP
IN PIPE Hev= .00ft
   572.40     12.43    569.75   .000
                  CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft  H.JUMP
IN PIPE Hev= .00ft

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   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
572.50	13.41	569.75	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft H.JUMP IN PIPE Hev= .00ft
572.60	14.27	569.75	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft H.JUMP IN PIPE Hev= .00ft
572.70	15.16	569.75	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft H.JUMP IN PIPE Hev= .00ft
572.80	16.11	569.75	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft H.JUMP IN PIPE Hev= .00ft
572.90	17.06	569.75	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft H.JUMP IN PIPE Hev= .00ft
573.00	17.77	569.75	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft H.JUMP IN PIPE Hev= .00ft
573.10	18.71	569.75	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft H.JUMP IN PIPE Hev= .00ft
573.20	19.60	569.75	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft H.JUMP IN PIPE Hev= .00ft
573.30	20.41	569.75	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft H.JUMP IN PIPE Hev= .00ft
573.40	21.24	569.75	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft H.JUMP IN PIPE Hev= .00ft
573.50	22.07	569.75	.000	

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                    CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft  H.JUMP
IN PIPE Hev= .00ft
   573.60     22.83    569.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft  H.JUMP
IN PIPE Hev= .00ft
   573.70     23.61    569.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft  H.JUMP
IN PIPE Hev= .00ft
   573.80     24.40    569.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft  H.JUMP
IN PIPE Hev= .00ft
   573.90     25.15    569.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft  H.JUMP
IN PIPE Hev= .00ft
   574.00     25.79    569.75   .000
                    CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft  H.JUMP
IN PIPE Hev= .00ft


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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
565.00	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
565.10	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
565.20	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
565.25	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
565.30	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
565.40	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
565.50	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
565.60	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
565.70	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
565.75	-68.86	570.00	.000	

REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft
Hev= .00ft
565.80 -68.86 570.00 .000
REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft
Hev= .00ft
565.90 -68.86 570.00 .000
REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft
Hev= .00ft
566.00 -68.86 570.00 .000
REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft
Hev= .00ft
566.10 -68.86 570.00 .000
REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft
Hev= .00ft
566.20 -68.86 570.00 .000
REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft
Hev= .00ft

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PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.25	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
566.30	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
566.40	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
566.50	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
566.60	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
566.70	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
566.75	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
566.80	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
566.90	-68.86	570.00	.000	REVERSE FULL: Lfull=66.44ft Vh=1.165ft HL=2.802ft Hev= .00ft
567.00	-68.86	570.00	.000	

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                    REVERSE FULL: Lfull=66.44ft  Vh=1.165ft  HL=2.802ft
Hev= .00ft
   567.10    -68.71    570.00   .000
                    REVERSE FULL: Lfull=66.86ft  Vh=1.160ft  HL=2.795ft
Hev= .00ft
   567.20    -68.12    570.00   .000
                    REVERSE FULL: Lfull=68.64ft  Vh=1.140ft  HL=2.769ft
Hev= .00ft
   567.25    -67.69    570.00   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=1.126ft  HL=2.750ft
Hev= .00ft
   567.30    -67.07    570.00   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=1.105ft  HL=2.700ft
Hev= .00ft
   567.40    -65.80    570.00   .000
                    REVERSE FULL: Lfull=70.01ft  Vh=1.064ft  HL=2.599ft
Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
567.50	-64.54	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=1.024ft HL=2.500ft Hev= .00ft
567.60	-63.23	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.982ft HL=2.400ft Hev= .00ft
567.70	-61.89	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.941ft HL=2.300ft Hev= .00ft
567.75	-61.23	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.921ft HL=2.250ft Hev= .00ft
567.80	-60.53	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.901ft HL=2.200ft Hev= .00ft
567.90	-59.15	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.860ft HL=2.100ft Hev= .00ft
568.00	-57.72	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.819ft HL=2.000ft Hev= .00ft
568.10	-56.27	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.778ft HL=1.900ft Hev= .00ft
568.20	-54.76	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.737ft HL=1.800ft Hev= .00ft
568.25	-54.00	570.00	.000	

REVERSE FULL: Lfull=70.01ft Vh=.717ft HL=1.750ft
Hev= .00ft
568.30 -53.22 570.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.696ft HL=1.700ft
Hev= .00ft
568.40 -51.64 570.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.655ft HL=1.601ft
Hev= .00ft
568.50 -49.97 570.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.614ft HL=1.499ft
Hev= .00ft
568.60 -48.30 570.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.573ft HL=1.401ft
Hev= .00ft
568.70 -46.54 570.00 .000
REVERSE FULL: Lfull=70.01ft Vh=.532ft HL=1.300ft
Hev= .00ft

S/N:
PondPack Ver: Compute Time: Date:

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, Device Q	Tail Water	Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
568.75	-45.63	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.512ft HL=1.250ft Hev= .00ft
568.80	-44.73	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.492ft HL=1.201ft Hev= .00ft
568.90	-42.82	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.451ft HL=1.101ft Hev= .00ft
569.00	-40.82	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.409ft HL=1.000ft Hev= .00ft
569.10	-38.72	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.368ft HL=.900ft Hev= .00ft
569.20	-36.53	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.328ft HL=.801ft Hev= .00ft
569.25	-35.33	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.307ft HL=.749ft Hev= .00ft
569.30	-34.14	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.286ft HL=.700ft Hev= .00ft
569.40	-31.61	570.00	.000	REVERSE FULL: Lfull=70.01ft Vh=.246ft HL=.600ft Hev= .00ft
569.50	-28.85	570.00	.000	

```
                  REVERSE FULL: Lfull=70.01ft  Vh=.205ft  HL=.500ft Hev=
.00ft
   569.60    -25.84    570.00   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.164ft  HL=.401ft Hev=
.00ft
   569.70    -22.36    570.00   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.123ft  HL=.300ft Hev=
.00ft
   569.75    -20.41    570.00   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.102ft  HL=.250ft Hev=
.00ft
   569.80    -18.22    570.00   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.082ft  HL=.199ft Hev=
.00ft
   569.90    -12.97    570.00   .000
                  REVERSE FULL: Lfull=70.01ft  Vh=.041ft  HL=.101ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
570.00	.00	570.00	.000	HW = TW elev
570.10	12.84	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.041ft HL=.099ft Hev=.00ft
570.20	18.28	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.082ft HL=.201ft Hev=.00ft
570.30	22.34	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.123ft HL=.300ft Hev=.00ft
570.40	25.80	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.164ft HL=.400ft Hev=.00ft
570.50	28.83	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.204ft HL=.499ft Hev=.00ft
570.60	31.61	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.245ft HL=.600ft Hev=.00ft
570.70	34.13	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.286ft HL=.699ft Hev=.00ft
570.80	36.52	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.328ft HL=.801ft Hev=.00ft
570.90	38.72	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.368ft HL=.900ft Hev=.00ft

```
   571.00     40.82    570.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.410ft  HL=1.000ft Hev=
.00ft
   571.10     42.82    570.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.451ft  HL=1.100ft Hev=
.00ft
   571.20     44.69    570.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.491ft  HL=1.199ft Hev=
.00ft
   571.30     46.53    570.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.532ft  HL=1.300ft Hev=
.00ft
   571.40     48.28    570.00   .000
                   FULL FLOW...Lfull=70.01ft  Vh=.573ft  HL=1.399ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
571.50	50.00	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.614ft HL=1.501ft Hev=.00ft
571.60	51.63	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.655ft HL=1.600ft Hev=.00ft
571.70	53.23	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.696ft HL=1.701ft Hev=.00ft
571.80	54.76	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.737ft HL=1.800ft Hev=.00ft
571.90	56.26	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.778ft HL=1.900ft Hev=.00ft
572.00	57.73	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.819ft HL=2.001ft Hev=.00ft
572.10	59.16	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.860ft HL=2.101ft Hev=.00ft
572.20	60.54	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.901ft HL=2.200ft Hev=.00ft
572.30	61.91	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=.942ft HL=2.300ft Hev=.00ft
572.40	63.24	570.00	.000	

FULL FLOW...Lfull=70.01ft Vh=.983ft HL=2.400ft Hev=
.00ft
572.50 64.52 570.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.023ft HL=2.499ft Hev=
.00ft
572.60 65.81 570.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.064ft HL=2.600ft Hev=
.00ft
572.70 67.06 570.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.105ft HL=2.699ft Hev=
.00ft
572.80 68.31 570.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.147ft HL=2.801ft Hev=
.00ft
572.90 69.52 570.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.188ft HL=2.901ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 39.82 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

NUMBER OF BARRELS = 2
EACH FLOW = SUM OF BARRELS x FLOW FOR ONE BARREL

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
573.00	70.70	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.228ft HL=3.000ft Hev=.00ft
573.10	71.85	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.269ft HL=3.099ft Hev=.00ft
573.20	73.02	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.310ft HL=3.200ft Hev=.00ft
573.30	74.14	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.351ft HL=3.300ft Hev=.00ft
573.40	75.26	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.392ft HL=3.400ft Hev=.00ft
573.50	76.37	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.433ft HL=3.501ft Hev=.00ft
573.60	77.44	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.474ft HL=3.600ft Hev=.00ft
573.70	78.51	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.515ft HL=3.700ft Hev=.00ft
573.80	79.56	570.00	.000	FULL FLOW...Lfull=70.01ft Vh=1.555ft HL=3.799ft Hev=.00ft
573.90	80.60	570.00	.000	

FULL FLOW...Lfull=70.01ft Vh=1.597ft HL=3.900ft Hev=
.00ft
574.00 81.63 570.00 .000
FULL FLOW...Lfull=70.01ft Vh=1.637ft HL=4.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
565.00	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.10	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.20	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.25	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.30	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.40	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.50	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.60	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.70	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.75	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
565.80	-.00	570.00	.000	

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                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   565.90      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.00      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.10      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.20      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.25      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   566.30      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
566.40	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.50	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.60	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.70	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.75	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.80	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
566.90	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.00	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.10	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.20	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.25	-.00	570.00	.000	

REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.30 -.00 570.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.40 -.00 570.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.50 -.00 570.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.60 -.00 570.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.70 -.00 570.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft
567.75 -.00 570.00 .000
REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
567.80	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
567.90	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.00	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.10	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.20	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.25	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.30	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.40	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.50	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.60	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
568.70	-.00	570.00	.000	

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                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.75      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.80      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   568.90      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.00      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.10      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft
   569.20      -.00    570.00   .000
                    REVERSE FULL: Lfull=41.44ft  Vh=.000ft  HL=.000ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
569.25	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.30	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.40	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.50	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.60	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.70	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.75	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.80	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
569.90	-.00	570.00	.000	REVERSE FULL: Lfull=41.44ft Vh=.000ft HL=.000ft Hev=.00ft
570.00	.00	570.00	.000	Upstream HW & DNstream TW < Inv.El
570.10	.00	570.00	.000	Upstream HW & DNstream TW < Inv.El
570.20	.00	570.00	.000	

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                  Upstream HW & DNstream TW < Inv.El
   570.30       .04    570.00   .000
                  CRIT.DEPTH CONTROL  Vh= .042ft  Dcr= .125ft  H.JUMP IN
PIPE Hev= .00ft
   570.40       .18    570.00   .000
                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.50       .38    570.00   .000
                  CRIT.DEPTH CONTROL  Vh= .064ft  Dcr= .187ft  H.JUMP IN
PIPE Hev= .00ft
   570.60       .57    570.00   .000
                  CRIT.DEPTH CONTROL  Vh= .097ft  Dcr= .281ft  H.JUMP IN
PIPE Hev= .00ft
   570.70       .88    570.00   .000
                  CRIT.DEPTH CONTROL  Vh= .108ft  Dcr= .312ft  H.JUMP IN
PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
570.80	1.23	570.00	.000	CRIT.DEPTH CONTROL Vh= .136ft Dcr= .390ft H.JUMP IN PIPE Hev= .00ft
570.90	1.62	570.00	.000	CRIT.DEPTH CONTROL Vh= .154ft Dcr= .437ft H.JUMP IN PIPE Hev= .00ft
571.00	2.01	570.00	.000	CRIT.DEPTH CONTROL Vh= .177ft Dcr= .500ft H.JUMP IN PIPE Hev= .00ft
571.10	2.52	570.00	.000	CRIT.DEPTH CONTROL Vh= .195ft Dcr= .547ft H.JUMP IN PIPE Hev= .00ft
571.20	3.13	570.00	.000	CRIT.DEPTH CONTROL Vh= .220ft Dcr= .609ft H.JUMP IN PIPE Hev= .00ft
571.30	3.76	570.00	.000	CRIT.DEPTH CONTROL Vh= .245ft Dcr= .672ft H.JUMP IN PIPE Hev= .00ft
571.40	4.42	570.00	.000	CRIT.DEPTH CONTROL Vh= .271ft Dcr= .734ft H.JUMP IN PIPE Hev= .00ft
571.50	4.97	570.00	.000	CRIT.DEPTH CONTROL Vh= .291ft Dcr= .781ft H.JUMP IN PIPE Hev= .00ft
571.60	5.90	570.00	.000	CRIT.DEPTH CONTROL Vh= .322ft Dcr= .851ft H.JUMP IN PIPE Hev= .00ft
571.70	6.54	570.00	.000	CRIT.DEPTH CONTROL Vh= .351ft Dcr= .914ft H.JUMP IN PIPE Hev= .00ft
571.80	7.40	570.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .377ft  Dcr= .968ft  H.JUMP IN
PIPE Hev= .00ft
   571.90      8.18    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= .404ft  Dcr= 1.023ft  H.JUMP
IN PIPE Hev= .00ft
   572.00      9.04    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= .429ft  Dcr= 1.070ft  H.JUMP
IN PIPE Hev= .00ft
   572.10      9.81    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= .454ft  Dcr= 1.117ft  H.JUMP
IN PIPE Hev= .00ft
   572.20     10.77    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= .485ft  Dcr= 1.171ft  H.JUMP
IN PIPE Hev= .00ft
   572.30     11.58    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= .513ft  Dcr= 1.218ft  H.JUMP
IN PIPE Hev= .00ft
   572.40     12.43    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= .548ft  Dcr= 1.273ft  H.JUMP
IN PIPE Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Culvert-Circular)

Mannings open channel maximum capacity: 42.48 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
572.50	13.41	570.00	.000	CRIT.DEPTH CONTROL Vh= .580ft Dcr= 1.320ft H.JUMP IN PIPE Hev= .00ft
572.60	14.27	570.00	.000	CRIT.DEPTH CONTROL Vh= .615ft Dcr= 1.367ft H.JUMP IN PIPE Hev= .00ft
572.70	15.16	570.00	.000	CRIT.DEPTH CONTROL Vh= .645ft Dcr= 1.406ft H.JUMP IN PIPE Hev= .00ft
572.80	16.11	570.00	.000	CRIT.DEPTH CONTROL Vh= .685ft Dcr= 1.452ft H.JUMP IN PIPE Hev= .00ft
572.90	17.06	570.00	.000	CRIT.DEPTH CONTROL Vh= .714ft Dcr= 1.484ft H.JUMP IN PIPE Hev= .00ft
573.00	17.77	570.00	.000	CRIT.DEPTH CONTROL Vh= .753ft Dcr= 1.523ft H.JUMP IN PIPE Hev= .00ft
573.10	18.71	570.00	.000	CRIT.DEPTH CONTROL Vh= .795ft Dcr= 1.562ft H.JUMP IN PIPE Hev= .00ft
573.20	19.60	570.00	.000	CRIT.DEPTH CONTROL Vh= .828ft Dcr= 1.589ft H.JUMP IN PIPE Hev= .00ft
573.30	20.41	570.00	.000	CRIT.DEPTH CONTROL Vh= .869ft Dcr= 1.620ft H.JUMP IN PIPE Hev= .00ft
573.40	21.24	570.00	.000	CRIT.DEPTH CONTROL Vh= .908ft Dcr= 1.648ft H.JUMP IN PIPE Hev= .00ft
573.50	22.07	570.00	.000	

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                    CRIT.DEPTH CONTROL  Vh= .959ft  Dcr= 1.679ft  H.JUMP
IN PIPE Hev= .00ft
   573.60     22.83    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.001ft  Dcr= 1.702ft  H.JUMP
IN PIPE Hev= .00ft
   573.70     23.61    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.039ft  Dcr= 1.722ft  H.JUMP
IN PIPE Hev= .00ft
   573.80     24.40    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.090ft  Dcr= 1.745ft  H.JUMP
IN PIPE Hev= .00ft
   573.90     25.15    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.138ft  Dcr= 1.765ft  H.JUMP
IN PIPE Hev= .00ft
   574.00     25.79    570.00   .000
                    CRIT.DEPTH CONTROL  Vh= 1.192ft  Dcr= 1.784ft  H.JUMP
IN PIPE Hev= .00ft


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   PondPack Ver:                  Compute Time:             Date:
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***** COMPOSITE OUTFLOW SUMMARY ****

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	.00	563.50	.000	None contributing
565.10	.06	563.50	.000	LF
565.20	.20	563.50	.000	LF
565.25	.45	563.50	.000	LF
565.30	.66	563.50	.000	LF
565.40	1.15	563.50	.000	LF
565.50	1.53	563.50	.000	LF
565.60	2.55	563.50	.000	LF
565.70	3.50	563.50	.000	LF
565.75	3.78	563.50	.000	LF
565.80	4.55	563.50	.000	LF
565.90	5.35	563.50	.000	LF
566.00	6.78	563.50	.000	LF
566.10	8.10	563.50	.000	LF
566.20	9.50	563.50	.000	LF
566.25	10.19	563.50	.000	LF
566.30	11.18	563.50	.000	LF
566.40	12.68	563.50	.000	LF
566.50	14.41	563.50	.000	LF
566.60	16.00	563.50	.000	LF
566.70	17.89	563.50	.000	LF
566.75	18.89	563.50	.000	LF
566.80	19.64	563.50	.000	LF
566.90	21.69	563.50	.000	LF
567.00	23.54	563.50	.000	LF
567.10	25.73	563.50	.000	LF
567.20	27.74	563.50	.000	LF
567.25	28.84	563.50	.000	LF
567.30	29.95	563.50	.000	LF
567.40	31.86	563.50	.000	LF
567.50	34.02	563.50	.000	LF
567.60	36.17	563.50	.000	LF
567.70	38.39	563.50	.000	LF
567.75	39.43	563.50	.000	LF
567.80	40.50	563.50	.000	LF
567.90	42.79	563.50	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	563.50	.000	LF
568.10	46.89	563.50	.000	LF
568.20	48.88	563.50	.000	LF
568.25	49.90	563.50	.000	LF
568.30	50.92	563.50	.000	LF
568.40	53.19	563.50	.000	LF
568.50	55.01	563.50	.000	LF
568.60	56.89	563.50	.000	LF
568.70	58.78	563.50	.000	LF
568.75	59.96	563.50	.000	LF
568.80	61.02	563.50	.000	LF
568.90	62.63	563.50	.000	LF
569.00	64.35	563.50	.000	LF
569.10	66.30	563.50	.000	LF
569.20	68.19	563.50	.000	LF
569.25	68.94	563.50	.000	LF
569.30	69.82	563.50	.000	LF
569.40	71.56	563.50	.000	LF
569.50	73.06	563.50	.000	LF
569.60	74.74	563.50	.000	LF
569.70	76.18	563.50	.000	LF
569.75	77.09	563.50	.000	LF
569.80	77.69	563.50	.000	LF
569.90	79.68	563.50	.000	LF
570.00	80.81	563.50	.000	LF
570.10	81.44	563.50	.000	LF
570.20	82.22	563.50	.000	LF
570.30	83.13	563.50	.000	LF +OF
570.40	84.15	563.50	.000	LF +OF
570.50	85.25	563.50	.000	LF +OF
570.60	86.36	563.50	.000	LF +OF
570.70	87.57	563.50	.000	LF +OF
570.80	88.86	563.50	.000	LF +OF
570.90	90.15	563.50	.000	LF +OF
571.00	91.45	563.50	.000	LF +OF
571.10	92.85	563.50	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	563.50	.000	LF +OF
571.30	95.87	563.50	.000	LF +OF
571.40	97.41	563.50	.000	LF +OF
571.50	98.83	563.50	.000	LF +OF
571.60	100.63	563.50	.000	LF +OF
571.70	102.14	563.50	.000	LF +OF
571.80	103.84	563.50	.000	LF +OF
571.90	105.49	563.50	.000	LF +OF
572.00	107.17	563.50	.000	LF +OF
572.10	108.76	563.50	.000	LF +OF
572.20	110.57	563.50	.000	LF +OF
572.30	112.20	563.50	.000	LF +OF
572.40	113.87	563.50	.000	LF +OF
572.50	115.67	563.50	.000	LF +OF
572.60	117.27	563.50	.000	LF +OF
572.70	118.95	563.50	.000	LF +OF
572.80	120.71	563.50	.000	LF +OF
572.90	122.45	563.50	.000	LF +OF
573.00	123.95	563.50	.000	LF +OF
573.10	125.67	563.50	.000	LF +OF
573.20	127.34	563.50	.000	LF +OF
573.30	128.91	563.50	.000	LF +OF
573.40	130.52	563.50	.000	LF +OF
573.50	132.10	563.50	.000	LF +OF
573.60	133.61	563.50	.000	LF +OF
573.70	135.14	563.50	.000	LF +OF
573.80	136.68	563.50	.000	LF +OF
573.90	138.16	563.50	.000	LF +OF
574.00	139.53	563.50	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	.00	563.75	.000	None contributing
565.10	.06	563.75	.000	LF
565.20	.20	563.75	.000	LF
565.25	.45	563.75	.000	LF
565.30	.66	563.75	.000	LF
565.40	1.15	563.75	.000	LF
565.50	1.53	563.75	.000	LF
565.60	2.55	563.75	.000	LF
565.70	3.50	563.75	.000	LF
565.75	3.78	563.75	.000	LF
565.80	4.55	563.75	.000	LF
565.90	5.35	563.75	.000	LF
566.00	6.78	563.75	.000	LF
566.10	8.10	563.75	.000	LF
566.20	9.50	563.75	.000	LF
566.25	10.19	563.75	.000	LF
566.30	11.18	563.75	.000	LF
566.40	12.68	563.75	.000	LF
566.50	14.41	563.75	.000	LF
566.60	16.00	563.75	.000	LF
566.70	17.89	563.75	.000	LF
566.75	18.89	563.75	.000	LF
566.80	19.64	563.75	.000	LF
566.90	21.69	563.75	.000	LF
567.00	23.54	563.75	.000	LF
567.10	25.73	563.75	.000	LF
567.20	27.74	563.75	.000	LF
567.25	28.84	563.75	.000	LF
567.30	29.95	563.75	.000	LF
567.40	31.86	563.75	.000	LF
567.50	34.02	563.75	.000	LF
567.60	36.17	563.75	.000	LF
567.70	38.39	563.75	.000	LF
567.75	39.43	563.75	.000	LF
567.80	40.50	563.75	.000	LF
567.90	42.79	563.75	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	563.75	.000	LF
568.10	46.89	563.75	.000	LF
568.20	48.88	563.75	.000	LF
568.25	49.90	563.75	.000	LF
568.30	50.92	563.75	.000	LF
568.40	53.19	563.75	.000	LF
568.50	55.01	563.75	.000	LF
568.60	56.89	563.75	.000	LF
568.70	58.78	563.75	.000	LF
568.75	59.96	563.75	.000	LF
568.80	61.02	563.75	.000	LF
568.90	62.63	563.75	.000	LF
569.00	64.35	563.75	.000	LF
569.10	66.30	563.75	.000	LF
569.20	68.19	563.75	.000	LF
569.25	68.94	563.75	.000	LF
569.30	69.82	563.75	.000	LF
569.40	71.56	563.75	.000	LF
569.50	73.06	563.75	.000	LF
569.60	74.74	563.75	.000	LF
569.70	76.18	563.75	.000	LF
569.75	77.09	563.75	.000	LF
569.80	77.69	563.75	.000	LF
569.90	79.68	563.75	.000	LF
570.00	80.81	563.75	.000	LF
570.10	81.44	563.75	.000	LF
570.20	82.22	563.75	.000	LF
570.30	83.13	563.75	.000	LF +OF
570.40	84.15	563.75	.000	LF +OF
570.50	85.25	563.75	.000	LF +OF
570.60	86.36	563.75	.000	LF +OF
570.70	87.57	563.75	.000	LF +OF
570.80	88.86	563.75	.000	LF +OF
570.90	90.15	563.75	.000	LF +OF
571.00	91.45	563.75	.000	LF +OF
571.10	92.85	563.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	563.75	.000	LF +OF
571.30	95.87	563.75	.000	LF +OF
571.40	97.41	563.75	.000	LF +OF
571.50	98.83	563.75	.000	LF +OF
571.60	100.63	563.75	.000	LF +OF
571.70	102.14	563.75	.000	LF +OF
571.80	103.84	563.75	.000	LF +OF
571.90	105.49	563.75	.000	LF +OF
572.00	107.17	563.75	.000	LF +OF
572.10	108.76	563.75	.000	LF +OF
572.20	110.57	563.75	.000	LF +OF
572.30	112.20	563.75	.000	LF +OF
572.40	113.87	563.75	.000	LF +OF
572.50	115.67	563.75	.000	LF +OF
572.60	117.27	563.75	.000	LF +OF
572.70	118.95	563.75	.000	LF +OF
572.80	120.71	563.75	.000	LF +OF
572.90	122.45	563.75	.000	LF +OF
573.00	123.95	563.75	.000	LF +OF
573.10	125.67	563.75	.000	LF +OF
573.20	127.34	563.75	.000	LF +OF
573.30	128.91	563.75	.000	LF +OF
573.40	130.52	563.75	.000	LF +OF
573.50	132.10	563.75	.000	LF +OF
573.60	133.61	563.75	.000	LF +OF
573.70	135.14	563.75	.000	LF +OF
573.80	136.68	563.75	.000	LF +OF
573.90	138.16	563.75	.000	LF +OF
574.00	139.53	563.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	.00	564.00	.000	None contributing
565.10	.06	564.00	.000	LF
565.20	.20	564.00	.000	LF
565.25	.45	564.00	.000	LF
565.30	.66	564.00	.000	LF
565.40	1.15	564.00	.000	LF
565.50	1.53	564.00	.000	LF
565.60	2.55	564.00	.000	LF
565.70	3.50	564.00	.000	LF
565.75	3.78	564.00	.000	LF
565.80	4.55	564.00	.000	LF
565.90	5.35	564.00	.000	LF
566.00	6.78	564.00	.000	LF
566.10	8.10	564.00	.000	LF
566.20	9.50	564.00	.000	LF
566.25	10.19	564.00	.000	LF
566.30	11.18	564.00	.000	LF
566.40	12.68	564.00	.000	LF
566.50	14.41	564.00	.000	LF
566.60	16.00	564.00	.000	LF
566.70	17.89	564.00	.000	LF
566.75	18.89	564.00	.000	LF
566.80	19.64	564.00	.000	LF
566.90	21.69	564.00	.000	LF
567.00	23.54	564.00	.000	LF
567.10	25.73	564.00	.000	LF
567.20	27.74	564.00	.000	LF
567.25	28.84	564.00	.000	LF
567.30	29.95	564.00	.000	LF
567.40	31.86	564.00	.000	LF
567.50	34.02	564.00	.000	LF
567.60	36.17	564.00	.000	LF
567.70	38.39	564.00	.000	LF
567.75	39.43	564.00	.000	LF
567.80	40.50	564.00	.000	LF
567.90	42.79	564.00	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	564.00	.000	LF
568.10	46.89	564.00	.000	LF
568.20	48.88	564.00	.000	LF
568.25	49.90	564.00	.000	LF
568.30	50.92	564.00	.000	LF
568.40	53.19	564.00	.000	LF
568.50	55.01	564.00	.000	LF
568.60	56.89	564.00	.000	LF
568.70	58.78	564.00	.000	LF
568.75	59.96	564.00	.000	LF
568.80	61.02	564.00	.000	LF
568.90	62.63	564.00	.000	LF
569.00	64.35	564.00	.000	LF
569.10	66.30	564.00	.000	LF
569.20	68.19	564.00	.000	LF
569.25	68.94	564.00	.000	LF
569.30	69.82	564.00	.000	LF
569.40	71.56	564.00	.000	LF
569.50	73.06	564.00	.000	LF
569.60	74.74	564.00	.000	LF
569.70	76.18	564.00	.000	LF
569.75	77.09	564.00	.000	LF
569.80	77.69	564.00	.000	LF
569.90	79.68	564.00	.000	LF
570.00	80.81	564.00	.000	LF
570.10	81.44	564.00	.000	LF
570.20	82.22	564.00	.000	LF
570.30	83.13	564.00	.000	LF +OF
570.40	84.15	564.00	.000	LF +OF
570.50	85.25	564.00	.000	LF +OF
570.60	86.36	564.00	.000	LF +OF
570.70	87.57	564.00	.000	LF +OF
570.80	88.86	564.00	.000	LF +OF
570.90	90.15	564.00	.000	LF +OF
571.00	91.45	564.00	.000	LF +OF
571.10	92.85	564.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	564.00	.000	LF +OF
571.30	95.87	564.00	.000	LF +OF
571.40	97.41	564.00	.000	LF +OF
571.50	98.83	564.00	.000	LF +OF
571.60	100.63	564.00	.000	LF +OF
571.70	102.14	564.00	.000	LF +OF
571.80	103.84	564.00	.000	LF +OF
571.90	105.49	564.00	.000	LF +OF
572.00	107.17	564.00	.000	LF +OF
572.10	108.76	564.00	.000	LF +OF
572.20	110.57	564.00	.000	LF +OF
572.30	112.20	564.00	.000	LF +OF
572.40	113.87	564.00	.000	LF +OF
572.50	115.67	564.00	.000	LF +OF
572.60	117.27	564.00	.000	LF +OF
572.70	118.95	564.00	.000	LF +OF
572.80	120.71	564.00	.000	LF +OF
572.90	122.45	564.00	.000	LF +OF
573.00	123.95	564.00	.000	LF +OF
573.10	125.67	564.00	.000	LF +OF
573.20	127.34	564.00	.000	LF +OF
573.30	128.91	564.00	.000	LF +OF
573.40	130.52	564.00	.000	LF +OF
573.50	132.10	564.00	.000	LF +OF
573.60	133.61	564.00	.000	LF +OF
573.70	135.14	564.00	.000	LF +OF
573.80	136.68	564.00	.000	LF +OF
573.90	138.16	564.00	.000	LF +OF
574.00	139.53	564.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	.00	564.25	.000	None contributing
565.10	.06	564.25	.000	LF
565.20	.20	564.25	.000	LF
565.25	.45	564.25	.000	LF
565.30	.66	564.25	.000	LF
565.40	1.15	564.25	.000	LF
565.50	1.53	564.25	.000	LF
565.60	2.55	564.25	.000	LF
565.70	3.50	564.25	.000	LF
565.75	3.78	564.25	.000	LF
565.80	4.55	564.25	.000	LF
565.90	5.35	564.25	.000	LF
566.00	6.78	564.25	.000	LF
566.10	8.10	564.25	.000	LF
566.20	9.50	564.25	.000	LF
566.25	10.19	564.25	.000	LF
566.30	11.18	564.25	.000	LF
566.40	12.68	564.25	.000	LF
566.50	14.41	564.25	.000	LF
566.60	16.00	564.25	.000	LF
566.70	17.89	564.25	.000	LF
566.75	18.89	564.25	.000	LF
566.80	19.64	564.25	.000	LF
566.90	21.69	564.25	.000	LF
567.00	23.54	564.25	.000	LF
567.10	25.73	564.25	.000	LF
567.20	27.74	564.25	.000	LF
567.25	28.84	564.25	.000	LF
567.30	29.95	564.25	.000	LF
567.40	31.86	564.25	.000	LF
567.50	34.02	564.25	.000	LF
567.60	36.17	564.25	.000	LF
567.70	38.39	564.25	.000	LF
567.75	39.43	564.25	.000	LF
567.80	40.50	564.25	.000	LF
567.90	42.79	564.25	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	564.25	.000	LF
568.10	46.89	564.25	.000	LF
568.20	48.88	564.25	.000	LF
568.25	49.90	564.25	.000	LF
568.30	50.92	564.25	.000	LF
568.40	53.19	564.25	.000	LF
568.50	55.01	564.25	.000	LF
568.60	56.89	564.25	.000	LF
568.70	58.78	564.25	.000	LF
568.75	59.96	564.25	.000	LF
568.80	61.02	564.25	.000	LF
568.90	62.63	564.25	.000	LF
569.00	64.35	564.25	.000	LF
569.10	66.30	564.25	.000	LF
569.20	68.19	564.25	.000	LF
569.25	68.94	564.25	.000	LF
569.30	69.82	564.25	.000	LF
569.40	71.56	564.25	.000	LF
569.50	73.06	564.25	.000	LF
569.60	74.74	564.25	.000	LF
569.70	76.18	564.25	.000	LF
569.75	77.09	564.25	.000	LF
569.80	77.69	564.25	.000	LF
569.90	79.68	564.25	.000	LF
570.00	80.81	564.25	.000	LF
570.10	81.44	564.25	.000	LF
570.20	82.22	564.25	.000	LF
570.30	83.13	564.25	.000	LF +OF
570.40	84.15	564.25	.000	LF +OF
570.50	85.25	564.25	.000	LF +OF
570.60	86.36	564.25	.000	LF +OF
570.70	87.57	564.25	.000	LF +OF
570.80	88.86	564.25	.000	LF +OF
570.90	90.15	564.25	.000	LF +OF
571.00	91.45	564.25	.000	LF +OF
571.10	92.85	564.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	564.25	.000	LF +OF
571.30	95.87	564.25	.000	LF +OF
571.40	97.41	564.25	.000	LF +OF
571.50	98.83	564.25	.000	LF +OF
571.60	100.63	564.25	.000	LF +OF
571.70	102.14	564.25	.000	LF +OF
571.80	103.84	564.25	.000	LF +OF
571.90	105.49	564.25	.000	LF +OF
572.00	107.17	564.25	.000	LF +OF
572.10	108.76	564.25	.000	LF +OF
572.20	110.57	564.25	.000	LF +OF
572.30	112.20	564.25	.000	LF +OF
572.40	113.87	564.25	.000	LF +OF
572.50	115.67	564.25	.000	LF +OF
572.60	117.27	564.25	.000	LF +OF
572.70	118.95	564.25	.000	LF +OF
572.80	120.71	564.25	.000	LF +OF
572.90	122.45	564.25	.000	LF +OF
573.00	123.95	564.25	.000	LF +OF
573.10	125.67	564.25	.000	LF +OF
573.20	127.34	564.25	.000	LF +OF
573.30	128.91	564.25	.000	LF +OF
573.40	130.52	564.25	.000	LF +OF
573.50	132.10	564.25	.000	LF +OF
573.60	133.61	564.25	.000	LF +OF
573.70	135.14	564.25	.000	LF +OF
573.80	136.68	564.25	.000	LF +OF
573.90	138.16	564.25	.000	LF +OF
574.00	139.53	564.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	.00	564.50	.000	None contributing
565.10	.06	564.50	.000	LF
565.20	.20	564.50	.000	LF
565.25	.45	564.50	.000	LF
565.30	.66	564.50	.000	LF
565.40	1.15	564.50	.000	LF
565.50	1.53	564.50	.000	LF
565.60	2.55	564.50	.000	LF
565.70	3.50	564.50	.000	LF
565.75	3.78	564.50	.000	LF
565.80	4.55	564.50	.000	LF
565.90	5.35	564.50	.000	LF
566.00	6.78	564.50	.000	LF
566.10	8.10	564.50	.000	LF
566.20	9.50	564.50	.000	LF
566.25	10.19	564.50	.000	LF
566.30	11.18	564.50	.000	LF
566.40	12.68	564.50	.000	LF
566.50	14.41	564.50	.000	LF
566.60	16.00	564.50	.000	LF
566.70	17.89	564.50	.000	LF
566.75	18.89	564.50	.000	LF
566.80	19.64	564.50	.000	LF
566.90	21.69	564.50	.000	LF
567.00	23.54	564.50	.000	LF
567.10	25.73	564.50	.000	LF
567.20	27.74	564.50	.000	LF
567.25	28.84	564.50	.000	LF
567.30	29.95	564.50	.000	LF
567.40	31.86	564.50	.000	LF
567.50	34.02	564.50	.000	LF
567.60	36.17	564.50	.000	LF
567.70	38.39	564.50	.000	LF
567.75	39.43	564.50	.000	LF
567.80	40.50	564.50	.000	LF
567.90	42.79	564.50	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	564.50	.000	LF
568.10	46.89	564.50	.000	LF
568.20	48.88	564.50	.000	LF
568.25	49.90	564.50	.000	LF
568.30	50.92	564.50	.000	LF
568.40	53.19	564.50	.000	LF
568.50	55.01	564.50	.000	LF
568.60	56.89	564.50	.000	LF
568.70	58.78	564.50	.000	LF
568.75	59.96	564.50	.000	LF
568.80	61.02	564.50	.000	LF
568.90	62.63	564.50	.000	LF
569.00	64.35	564.50	.000	LF
569.10	66.30	564.50	.000	LF
569.20	68.19	564.50	.000	LF
569.25	68.94	564.50	.000	LF
569.30	69.82	564.50	.000	LF
569.40	71.56	564.50	.000	LF
569.50	73.06	564.50	.000	LF
569.60	74.74	564.50	.000	LF
569.70	76.18	564.50	.000	LF
569.75	77.09	564.50	.000	LF
569.80	77.69	564.50	.000	LF
569.90	79.68	564.50	.000	LF
570.00	80.81	564.50	.000	LF
570.10	81.44	564.50	.000	LF
570.20	82.22	564.50	.000	LF
570.30	83.13	564.50	.000	LF +OF
570.40	84.15	564.50	.000	LF +OF
570.50	85.25	564.50	.000	LF +OF
570.60	86.36	564.50	.000	LF +OF
570.70	87.57	564.50	.000	LF +OF
570.80	88.86	564.50	.000	LF +OF
570.90	90.15	564.50	.000	LF +OF
571.00	91.45	564.50	.000	LF +OF
571.10	92.85	564.50	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	564.50	.000	LF +OF
571.30	95.87	564.50	.000	LF +OF
571.40	97.41	564.50	.000	LF +OF
571.50	98.83	564.50	.000	LF +OF
571.60	100.63	564.50	.000	LF +OF
571.70	102.14	564.50	.000	LF +OF
571.80	103.84	564.50	.000	LF +OF
571.90	105.49	564.50	.000	LF +OF
572.00	107.17	564.50	.000	LF +OF
572.10	108.76	564.50	.000	LF +OF
572.20	110.57	564.50	.000	LF +OF
572.30	112.20	564.50	.000	LF +OF
572.40	113.87	564.50	.000	LF +OF
572.50	115.67	564.50	.000	LF +OF
572.60	117.27	564.50	.000	LF +OF
572.70	118.95	564.50	.000	LF +OF
572.80	120.71	564.50	.000	LF +OF
572.90	122.45	564.50	.000	LF +OF
573.00	123.95	564.50	.000	LF +OF
573.10	125.67	564.50	.000	LF +OF
573.20	127.34	564.50	.000	LF +OF
573.30	128.91	564.50	.000	LF +OF
573.40	130.52	564.50	.000	LF +OF
573.50	132.10	564.50	.000	LF +OF
573.60	133.61	564.50	.000	LF +OF
573.70	135.14	564.50	.000	LF +OF
573.80	136.68	564.50	.000	LF +OF
573.90	138.16	564.50	.000	LF +OF
574.00	139.53	564.50	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	.00	564.75	.000	None contributing
565.10	.06	564.75	.000	LF
565.20	.20	564.75	.000	LF
565.25	.45	564.75	.000	LF
565.30	.66	564.75	.000	LF
565.40	1.15	564.75	.000	LF
565.50	1.53	564.75	.000	LF
565.60	2.55	564.75	.000	LF
565.70	3.50	564.75	.000	LF
565.75	3.78	564.75	.000	LF
565.80	4.55	564.75	.000	LF
565.90	5.35	564.75	.000	LF
566.00	6.78	564.75	.000	LF
566.10	8.10	564.75	.000	LF
566.20	9.50	564.75	.000	LF
566.25	10.19	564.75	.000	LF
566.30	11.18	564.75	.000	LF
566.40	12.68	564.75	.000	LF
566.50	14.41	564.75	.000	LF
566.60	16.00	564.75	.000	LF
566.70	17.89	564.75	.000	LF
566.75	18.89	564.75	.000	LF
566.80	19.64	564.75	.000	LF
566.90	21.69	564.75	.000	LF
567.00	23.54	564.75	.000	LF
567.10	25.73	564.75	.000	LF
567.20	27.74	564.75	.000	LF
567.25	28.84	564.75	.000	LF
567.30	29.95	564.75	.000	LF
567.40	31.86	564.75	.000	LF
567.50	34.02	564.75	.000	LF
567.60	36.17	564.75	.000	LF
567.70	38.39	564.75	.000	LF
567.75	39.43	564.75	.000	LF
567.80	40.50	564.75	.000	LF
567.90	42.79	564.75	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	564.75	.000	LF
568.10	46.89	564.75	.000	LF
568.20	48.88	564.75	.000	LF
568.25	49.90	564.75	.000	LF
568.30	50.92	564.75	.000	LF
568.40	53.19	564.75	.000	LF
568.50	55.01	564.75	.000	LF
568.60	56.89	564.75	.000	LF
568.70	58.78	564.75	.000	LF
568.75	59.96	564.75	.000	LF
568.80	61.02	564.75	.000	LF
568.90	62.63	564.75	.000	LF
569.00	64.35	564.75	.000	LF
569.10	66.30	564.75	.000	LF
569.20	68.19	564.75	.000	LF
569.25	68.94	564.75	.000	LF
569.30	69.82	564.75	.000	LF
569.40	71.56	564.75	.000	LF
569.50	73.06	564.75	.000	LF
569.60	74.74	564.75	.000	LF
569.70	76.18	564.75	.000	LF
569.75	77.09	564.75	.000	LF
569.80	77.69	564.75	.000	LF
569.90	79.68	564.75	.000	LF
570.00	80.81	564.75	.000	LF
570.10	81.44	564.75	.000	LF
570.20	82.22	564.75	.000	LF
570.30	83.13	564.75	.000	LF +OF
570.40	84.15	564.75	.000	LF +OF
570.50	85.25	564.75	.000	LF +OF
570.60	86.36	564.75	.000	LF +OF
570.70	87.57	564.75	.000	LF +OF
570.80	88.86	564.75	.000	LF +OF
570.90	90.15	564.75	.000	LF +OF
571.00	91.45	564.75	.000	LF +OF
571.10	92.85	564.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	564.75	.000	LF +OF
571.30	95.87	564.75	.000	LF +OF
571.40	97.41	564.75	.000	LF +OF
571.50	98.83	564.75	.000	LF +OF
571.60	100.63	564.75	.000	LF +OF
571.70	102.14	564.75	.000	LF +OF
571.80	103.84	564.75	.000	LF +OF
571.90	105.49	564.75	.000	LF +OF
572.00	107.17	564.75	.000	LF +OF
572.10	108.76	564.75	.000	LF +OF
572.20	110.57	564.75	.000	LF +OF
572.30	112.20	564.75	.000	LF +OF
572.40	113.87	564.75	.000	LF +OF
572.50	115.67	564.75	.000	LF +OF
572.60	117.27	564.75	.000	LF +OF
572.70	118.95	564.75	.000	LF +OF
572.80	120.71	564.75	.000	LF +OF
572.90	122.45	564.75	.000	LF +OF
573.00	123.95	564.75	.000	LF +OF
573.10	125.67	564.75	.000	LF +OF
573.20	127.34	564.75	.000	LF +OF
573.30	128.91	564.75	.000	LF +OF
573.40	130.52	564.75	.000	LF +OF
573.50	132.10	564.75	.000	LF +OF
573.60	133.61	564.75	.000	LF +OF
573.70	135.14	564.75	.000	LF +OF
573.80	136.68	564.75	.000	LF +OF
573.90	138.16	564.75	.000	LF +OF
574.00	139.53	564.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	.00	565.00	.000	None contributing
565.10	.06	565.00	.000	LF
565.20	.20	565.00	.000	LF
565.25	.45	565.00	.000	LF
565.30	.66	565.00	.000	LF
565.40	1.15	565.00	.000	LF
565.50	1.53	565.00	.000	LF
565.60	2.55	565.00	.000	LF
565.70	3.50	565.00	.000	LF
565.75	3.78	565.00	.000	LF
565.80	4.55	565.00	.000	LF
565.90	5.35	565.00	.000	LF
566.00	6.78	565.00	.000	LF
566.10	8.10	565.00	.000	LF
566.20	9.50	565.00	.000	LF
566.25	10.19	565.00	.000	LF
566.30	11.18	565.00	.000	LF
566.40	12.68	565.00	.000	LF
566.50	14.41	565.00	.000	LF
566.60	16.00	565.00	.000	LF
566.70	17.89	565.00	.000	LF
566.75	18.89	565.00	.000	LF
566.80	19.64	565.00	.000	LF
566.90	21.69	565.00	.000	LF
567.00	23.54	565.00	.000	LF
567.10	25.73	565.00	.000	LF
567.20	27.74	565.00	.000	LF
567.25	28.84	565.00	.000	LF
567.30	29.95	565.00	.000	LF
567.40	31.86	565.00	.000	LF
567.50	34.02	565.00	.000	LF
567.60	36.17	565.00	.000	LF
567.70	38.39	565.00	.000	LF
567.75	39.43	565.00	.000	LF
567.80	40.50	565.00	.000	LF
567.90	42.79	565.00	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	565.00	.000	LF
568.10	46.89	565.00	.000	LF
568.20	48.88	565.00	.000	LF
568.25	49.90	565.00	.000	LF
568.30	50.92	565.00	.000	LF
568.40	53.19	565.00	.000	LF
568.50	55.01	565.00	.000	LF
568.60	56.89	565.00	.000	LF
568.70	58.78	565.00	.000	LF
568.75	59.96	565.00	.000	LF
568.80	61.02	565.00	.000	LF
568.90	62.63	565.00	.000	LF
569.00	64.35	565.00	.000	LF
569.10	66.30	565.00	.000	LF
569.20	68.19	565.00	.000	LF
569.25	68.94	565.00	.000	LF
569.30	69.82	565.00	.000	LF
569.40	71.56	565.00	.000	LF
569.50	73.06	565.00	.000	LF
569.60	74.74	565.00	.000	LF
569.70	76.18	565.00	.000	LF
569.75	77.09	565.00	.000	LF
569.80	77.69	565.00	.000	LF
569.90	79.68	565.00	.000	LF
570.00	80.81	565.00	.000	LF
570.10	81.44	565.00	.000	LF
570.20	82.22	565.00	.000	LF
570.30	83.13	565.00	.000	LF +OF
570.40	84.15	565.00	.000	LF +OF
570.50	85.25	565.00	.000	LF +OF
570.60	86.36	565.00	.000	LF +OF
570.70	87.57	565.00	.000	LF +OF
570.80	88.86	565.00	.000	LF +OF
570.90	90.15	565.00	.000	LF +OF
571.00	91.45	565.00	.000	LF +OF
571.10	92.85	565.00	.000	LF +OF

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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	565.00	.000	LF +OF
571.30	95.87	565.00	.000	LF +OF
571.40	97.41	565.00	.000	LF +OF
571.50	98.83	565.00	.000	LF +OF
571.60	100.63	565.00	.000	LF +OF
571.70	102.14	565.00	.000	LF +OF
571.80	103.84	565.00	.000	LF +OF
571.90	105.49	565.00	.000	LF +OF
572.00	107.17	565.00	.000	LF +OF
572.10	108.76	565.00	.000	LF +OF
572.20	110.57	565.00	.000	LF +OF
572.30	112.20	565.00	.000	LF +OF
572.40	113.87	565.00	.000	LF +OF
572.50	115.67	565.00	.000	LF +OF
572.60	117.27	565.00	.000	LF +OF
572.70	118.95	565.00	.000	LF +OF
572.80	120.71	565.00	.000	LF +OF
572.90	122.45	565.00	.000	LF +OF
573.00	123.95	565.00	.000	LF +OF
573.10	125.67	565.00	.000	LF +OF
573.20	127.34	565.00	.000	LF +OF
573.30	128.91	565.00	.000	LF +OF
573.40	130.52	565.00	.000	LF +OF
573.50	132.10	565.00	.000	LF +OF
573.60	133.61	565.00	.000	LF +OF
573.70	135.14	565.00	.000	LF +OF
573.80	136.68	565.00	.000	LF +OF
573.90	138.16	565.00	.000	LF +OF
574.00	139.53	565.00	.000	LF +OF

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-.58	565.25	.000	LF +OF
565.10	-.58	565.25	.000	LF +OF
565.20	-.56	565.25	.000	LF +OF
565.25	.00	565.25	.000	LF
565.30	.69	565.25	.000	LF
565.40	1.15	565.25	.000	LF
565.50	1.53	565.25	.000	LF
565.60	2.55	565.25	.000	LF
565.70	3.50	565.25	.000	LF
565.75	3.78	565.25	.000	LF
565.80	4.55	565.25	.000	LF
565.90	5.35	565.25	.000	LF
566.00	6.78	565.25	.000	LF
566.10	8.10	565.25	.000	LF
566.20	9.50	565.25	.000	LF
566.25	10.19	565.25	.000	LF
566.30	11.18	565.25	.000	LF
566.40	12.68	565.25	.000	LF
566.50	14.41	565.25	.000	LF
566.60	16.00	565.25	.000	LF
566.70	17.89	565.25	.000	LF
566.75	18.89	565.25	.000	LF
566.80	19.64	565.25	.000	LF
566.90	21.69	565.25	.000	LF
567.00	23.54	565.25	.000	LF
567.10	25.73	565.25	.000	LF
567.20	27.74	565.25	.000	LF
567.25	28.84	565.25	.000	LF
567.30	29.95	565.25	.000	LF
567.40	31.86	565.25	.000	LF
567.50	34.02	565.25	.000	LF
567.60	36.17	565.25	.000	LF
567.70	38.39	565.25	.000	LF
567.75	39.43	565.25	.000	LF
567.80	40.50	565.25	.000	LF
567.90	42.79	565.25	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	565.25	.000	LF
568.10	46.89	565.25	.000	LF
568.20	48.88	565.25	.000	LF
568.25	49.90	565.25	.000	LF
568.30	50.92	565.25	.000	LF
568.40	53.19	565.25	.000	LF
568.50	55.01	565.25	.000	LF
568.60	56.89	565.25	.000	LF
568.70	58.78	565.25	.000	LF
568.75	59.96	565.25	.000	LF
568.80	61.02	565.25	.000	LF
568.90	62.63	565.25	.000	LF
569.00	64.35	565.25	.000	LF
569.10	66.30	565.25	.000	LF
569.20	68.19	565.25	.000	LF
569.25	68.94	565.25	.000	LF
569.30	69.82	565.25	.000	LF
569.40	71.56	565.25	.000	LF
569.50	73.06	565.25	.000	LF
569.60	74.74	565.25	.000	LF
569.70	76.18	565.25	.000	LF
569.75	77.09	565.25	.000	LF
569.80	77.69	565.25	.000	LF
569.90	79.68	565.25	.000	LF
570.00	80.81	565.25	.000	LF
570.10	81.44	565.25	.000	LF
570.20	82.22	565.25	.000	LF
570.30	83.13	565.25	.000	LF +OF
570.40	84.15	565.25	.000	LF +OF
570.50	85.25	565.25	.000	LF +OF
570.60	86.36	565.25	.000	LF +OF
570.70	87.57	565.25	.000	LF +OF
570.80	88.86	565.25	.000	LF +OF
570.90	90.15	565.25	.000	LF +OF
571.00	91.45	565.25	.000	LF +OF
571.10	92.85	565.25	.000	LF +OF

S/N:
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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	565.25	.000	LF +OF
571.30	95.87	565.25	.000	LF +OF
571.40	97.41	565.25	.000	LF +OF
571.50	98.83	565.25	.000	LF +OF
571.60	100.63	565.25	.000	LF +OF
571.70	102.14	565.25	.000	LF +OF
571.80	103.84	565.25	.000	LF +OF
571.90	105.49	565.25	.000	LF +OF
572.00	107.17	565.25	.000	LF +OF
572.10	108.76	565.25	.000	LF +OF
572.20	110.57	565.25	.000	LF +OF
572.30	112.20	565.25	.000	LF +OF
572.40	113.87	565.25	.000	LF +OF
572.50	115.67	565.25	.000	LF +OF
572.60	117.27	565.25	.000	LF +OF
572.70	118.95	565.25	.000	LF +OF
572.80	120.71	565.25	.000	LF +OF
572.90	122.45	565.25	.000	LF +OF
573.00	123.95	565.25	.000	LF +OF
573.10	125.67	565.25	.000	LF +OF
573.20	127.34	565.25	.000	LF +OF
573.30	128.91	565.25	.000	LF +OF
573.40	130.52	565.25	.000	LF +OF
573.50	132.10	565.25	.000	LF +OF
573.60	133.61	565.25	.000	LF +OF
573.70	135.14	565.25	.000	LF +OF
573.80	136.68	565.25	.000	LF +OF
573.90	138.16	565.25	.000	LF +OF
574.00	139.53	565.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-2.27	565.50	.000	LF +OF
565.10	-2.27	565.50	.000	LF +OF
565.20	-2.27	565.50	.000	LF +OF
565.25	-2.27	565.50	.000	LF +OF
565.30	-2.27	565.50	.000	LF +OF
565.40	-2.19	565.50	.000	LF +OF
565.50	.00	565.50	.000	LF
565.60	2.68	565.50	.000	LF
565.70	3.50	565.50	.000	LF
565.75	3.78	565.50	.000	LF
565.80	4.55	565.50	.000	LF
565.90	5.35	565.50	.000	LF
566.00	6.78	565.50	.000	LF
566.10	8.10	565.50	.000	LF
566.20	9.50	565.50	.000	LF
566.25	10.19	565.50	.000	LF
566.30	11.18	565.50	.000	LF
566.40	12.68	565.50	.000	LF
566.50	14.41	565.50	.000	LF
566.60	16.00	565.50	.000	LF
566.70	17.89	565.50	.000	LF
566.75	18.89	565.50	.000	LF
566.80	19.64	565.50	.000	LF
566.90	21.69	565.50	.000	LF
567.00	23.54	565.50	.000	LF
567.10	25.73	565.50	.000	LF
567.20	27.74	565.50	.000	LF
567.25	28.84	565.50	.000	LF
567.30	29.95	565.50	.000	LF
567.40	31.86	565.50	.000	LF
567.50	34.02	565.50	.000	LF
567.60	36.17	565.50	.000	LF
567.70	38.39	565.50	.000	LF
567.75	39.43	565.50	.000	LF
567.80	40.50	565.50	.000	LF
567.90	42.79	565.50	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	565.50	.000	LF
568.10	46.89	565.50	.000	LF
568.20	48.88	565.50	.000	LF
568.25	49.90	565.50	.000	LF
568.30	50.92	565.50	.000	LF
568.40	53.19	565.50	.000	LF
568.50	55.01	565.50	.000	LF
568.60	56.89	565.50	.000	LF
568.70	58.78	565.50	.000	LF
568.75	59.96	565.50	.000	LF
568.80	61.02	565.50	.000	LF
568.90	62.63	565.50	.000	LF
569.00	64.35	565.50	.000	LF
569.10	66.30	565.50	.000	LF
569.20	68.19	565.50	.000	LF
569.25	68.94	565.50	.000	LF
569.30	69.82	565.50	.000	LF
569.40	71.56	565.50	.000	LF
569.50	73.06	565.50	.000	LF
569.60	74.74	565.50	.000	LF
569.70	76.18	565.50	.000	LF
569.75	77.09	565.50	.000	LF
569.80	77.69	565.50	.000	LF
569.90	79.68	565.50	.000	LF
570.00	80.81	565.50	.000	LF
570.10	81.44	565.50	.000	LF
570.20	82.22	565.50	.000	LF
570.30	83.13	565.50	.000	LF +OF
570.40	84.15	565.50	.000	LF +OF
570.50	85.25	565.50	.000	LF +OF
570.60	86.36	565.50	.000	LF +OF
570.70	87.57	565.50	.000	LF +OF
570.80	88.86	565.50	.000	LF +OF
570.90	90.15	565.50	.000	LF +OF
571.00	91.45	565.50	.000	LF +OF
571.10	92.85	565.50	.000	LF +OF

S/N:
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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	565.50	.000	LF +OF
571.30	95.87	565.50	.000	LF +OF
571.40	97.41	565.50	.000	LF +OF
571.50	98.83	565.50	.000	LF +OF
571.60	100.63	565.50	.000	LF +OF
571.70	102.14	565.50	.000	LF +OF
571.80	103.84	565.50	.000	LF +OF
571.90	105.49	565.50	.000	LF +OF
572.00	107.17	565.50	.000	LF +OF
572.10	108.76	565.50	.000	LF +OF
572.20	110.57	565.50	.000	LF +OF
572.30	112.20	565.50	.000	LF +OF
572.40	113.87	565.50	.000	LF +OF
572.50	115.67	565.50	.000	LF +OF
572.60	117.27	565.50	.000	LF +OF
572.70	118.95	565.50	.000	LF +OF
572.80	120.71	565.50	.000	LF +OF
572.90	122.45	565.50	.000	LF +OF
573.00	123.95	565.50	.000	LF +OF
573.10	125.67	565.50	.000	LF +OF
573.20	127.34	565.50	.000	LF +OF
573.30	128.91	565.50	.000	LF +OF
573.40	130.52	565.50	.000	LF +OF
573.50	132.10	565.50	.000	LF +OF
573.60	133.61	565.50	.000	LF +OF
573.70	135.14	565.50	.000	LF +OF
573.80	136.68	565.50	.000	LF +OF
573.90	138.16	565.50	.000	LF +OF
574.00	139.53	565.50	.000	LF +OF

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-4.91	565.75	.000	LF +OF
565.10	-4.91	565.75	.000	LF +OF
565.20	-4.91	565.75	.000	LF +OF
565.25	-4.91	565.75	.000	LF +OF
565.30	-4.91	565.75	.000	LF +OF
565.40	-4.91	565.75	.000	LF +OF
565.50	-4.91	565.75	.000	LF +OF
565.60	-4.72	565.75	.000	LF +OF
565.70	-3.29	565.75	.000	LF +OF
565.75	.00	565.75	.000	LF
565.80	3.79	565.75	.000	LF
565.90	5.84	565.75	.000	LF
566.00	6.78	565.75	.000	LF
566.10	8.10	565.75	.000	LF
566.20	9.50	565.75	.000	LF
566.25	10.19	565.75	.000	LF
566.30	11.18	565.75	.000	LF
566.40	12.68	565.75	.000	LF
566.50	14.41	565.75	.000	LF
566.60	16.00	565.75	.000	LF
566.70	17.89	565.75	.000	LF
566.75	18.89	565.75	.000	LF
566.80	19.64	565.75	.000	LF
566.90	21.69	565.75	.000	LF
567.00	23.54	565.75	.000	LF
567.10	25.73	565.75	.000	LF
567.20	27.74	565.75	.000	LF
567.25	28.84	565.75	.000	LF
567.30	29.95	565.75	.000	LF
567.40	31.86	565.75	.000	LF
567.50	34.02	565.75	.000	LF
567.60	36.17	565.75	.000	LF
567.70	38.39	565.75	.000	LF
567.75	39.43	565.75	.000	LF
567.80	40.50	565.75	.000	LF
567.90	42.79	565.75	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	565.75	.000	LF
568.10	46.89	565.75	.000	LF
568.20	48.88	565.75	.000	LF
568.25	49.90	565.75	.000	LF
568.30	50.92	565.75	.000	LF
568.40	53.19	565.75	.000	LF
568.50	55.01	565.75	.000	LF
568.60	56.89	565.75	.000	LF
568.70	58.78	565.75	.000	LF
568.75	59.96	565.75	.000	LF
568.80	61.02	565.75	.000	LF
568.90	62.63	565.75	.000	LF
569.00	64.35	565.75	.000	LF
569.10	66.30	565.75	.000	LF
569.20	68.19	565.75	.000	LF
569.25	68.94	565.75	.000	LF
569.30	69.82	565.75	.000	LF
569.40	71.56	565.75	.000	LF
569.50	73.06	565.75	.000	LF
569.60	74.74	565.75	.000	LF
569.70	76.18	565.75	.000	LF
569.75	77.09	565.75	.000	LF
569.80	77.69	565.75	.000	LF
569.90	79.68	565.75	.000	LF
570.00	80.81	565.75	.000	LF
570.10	81.44	565.75	.000	LF
570.20	82.22	565.75	.000	LF
570.30	83.13	565.75	.000	LF +OF
570.40	84.15	565.75	.000	LF +OF
570.50	85.25	565.75	.000	LF +OF
570.60	86.36	565.75	.000	LF +OF
570.70	87.57	565.75	.000	LF +OF
570.80	88.86	565.75	.000	LF +OF
570.90	90.15	565.75	.000	LF +OF
571.00	91.45	565.75	.000	LF +OF
571.10	92.85	565.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	565.75	.000	LF +OF
571.30	95.87	565.75	.000	LF +OF
571.40	97.41	565.75	.000	LF +OF
571.50	98.83	565.75	.000	LF +OF
571.60	100.63	565.75	.000	LF +OF
571.70	102.14	565.75	.000	LF +OF
571.80	103.84	565.75	.000	LF +OF
571.90	105.49	565.75	.000	LF +OF
572.00	107.17	565.75	.000	LF +OF
572.10	108.76	565.75	.000	LF +OF
572.20	110.57	565.75	.000	LF +OF
572.30	112.20	565.75	.000	LF +OF
572.40	113.87	565.75	.000	LF +OF
572.50	115.67	565.75	.000	LF +OF
572.60	117.27	565.75	.000	LF +OF
572.70	118.95	565.75	.000	LF +OF
572.80	120.71	565.75	.000	LF +OF
572.90	122.45	565.75	.000	LF +OF
573.00	123.95	565.75	.000	LF +OF
573.10	125.67	565.75	.000	LF +OF
573.20	127.34	565.75	.000	LF +OF
573.30	128.91	565.75	.000	LF +OF
573.40	130.52	565.75	.000	LF +OF
573.50	132.10	565.75	.000	LF +OF
573.60	133.61	565.75	.000	LF +OF
573.70	135.14	565.75	.000	LF +OF
573.80	136.68	565.75	.000	LF +OF
573.90	138.16	565.75	.000	LF +OF
574.00	139.53	565.75	.000	LF +OF

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-8.39	566.00	.000	LF +OF
565.10	-8.39	566.00	.000	LF +OF
565.20	-8.39	566.00	.000	LF +OF
565.25	-8.39	566.00	.000	LF +OF
565.30	-8.39	566.00	.000	LF +OF
565.40	-8.39	566.00	.000	LF +OF
565.50	-8.39	566.00	.000	LF +OF
565.60	-8.39	566.00	.000	LF +OF
565.70	-8.39	566.00	.000	LF +OF
565.75	-8.30	566.00	.000	LF +OF
565.80	-7.96	566.00	.000	LF +OF
565.90	-6.44	566.00	.000	LF +OF
566.00	.00	566.00	.000	LF
566.10	7.55	566.00	.000	LF
566.20	10.01	566.00	.000	LF
566.25	10.69	566.00	.000	LF
566.30	11.18	566.00	.000	LF
566.40	12.68	566.00	.000	LF
566.50	14.41	566.00	.000	LF
566.60	16.00	566.00	.000	LF
566.70	17.89	566.00	.000	LF
566.75	18.89	566.00	.000	LF
566.80	19.64	566.00	.000	LF
566.90	21.69	566.00	.000	LF
567.00	23.54	566.00	.000	LF
567.10	25.73	566.00	.000	LF
567.20	27.74	566.00	.000	LF
567.25	28.84	566.00	.000	LF
567.30	29.95	566.00	.000	LF
567.40	31.86	566.00	.000	LF
567.50	34.02	566.00	.000	LF
567.60	36.17	566.00	.000	LF
567.70	38.39	566.00	.000	LF
567.75	39.43	566.00	.000	LF
567.80	40.50	566.00	.000	LF
567.90	42.79	566.00	.000	LF

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Name.... Outlet 3

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	566.00	.000	LF
568.10	46.89	566.00	.000	LF
568.20	48.88	566.00	.000	LF
568.25	49.90	566.00	.000	LF
568.30	50.92	566.00	.000	LF
568.40	53.19	566.00	.000	LF
568.50	55.01	566.00	.000	LF
568.60	56.89	566.00	.000	LF
568.70	58.78	566.00	.000	LF
568.75	59.96	566.00	.000	LF
568.80	61.02	566.00	.000	LF
568.90	62.63	566.00	.000	LF
569.00	64.35	566.00	.000	LF
569.10	66.30	566.00	.000	LF
569.20	68.19	566.00	.000	LF
569.25	68.94	566.00	.000	LF
569.30	69.82	566.00	.000	LF
569.40	71.56	566.00	.000	LF
569.50	73.06	566.00	.000	LF
569.60	74.74	566.00	.000	LF
569.70	76.18	566.00	.000	LF
569.75	77.09	566.00	.000	LF
569.80	77.69	566.00	.000	LF
569.90	79.68	566.00	.000	LF
570.00	80.81	566.00	.000	LF
570.10	81.44	566.00	.000	LF
570.20	82.22	566.00	.000	LF
570.30	83.13	566.00	.000	LF +OF
570.40	84.15	566.00	.000	LF +OF
570.50	85.25	566.00	.000	LF +OF
570.60	86.36	566.00	.000	LF +OF
570.70	87.57	566.00	.000	LF +OF
570.80	88.86	566.00	.000	LF +OF
570.90	90.15	566.00	.000	LF +OF
571.00	91.45	566.00	.000	LF +OF
571.10	92.85	566.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	94.35	566.00	.000	LF +OF
571.30	95.87	566.00	.000	LF +OF
571.40	97.41	566.00	.000	LF +OF
571.50	98.83	566.00	.000	LF +OF
571.60	100.63	566.00	.000	LF +OF
571.70	102.14	566.00	.000	LF +OF
571.80	103.84	566.00	.000	LF +OF
571.90	105.49	566.00	.000	LF +OF
572.00	107.17	566.00	.000	LF +OF
572.10	108.76	566.00	.000	LF +OF
572.20	110.57	566.00	.000	LF +OF
572.30	112.20	566.00	.000	LF +OF
572.40	113.87	566.00	.000	LF +OF
572.50	115.67	566.00	.000	LF +OF
572.60	117.27	566.00	.000	LF +OF
572.70	118.95	566.00	.000	LF +OF
572.80	120.71	566.00	.000	LF +OF
572.90	122.45	566.00	.000	LF +OF
573.00	123.95	566.00	.000	LF +OF
573.10	125.67	566.00	.000	LF +OF
573.20	127.34	566.00	.000	LF +OF
573.30	128.91	566.00	.000	LF +OF
573.40	130.52	566.00	.000	LF +OF
573.50	132.10	566.00	.000	LF +OF
573.60	133.61	566.00	.000	LF +OF
573.70	135.14	566.00	.000	LF +OF
573.80	136.68	566.00	.000	LF +OF
573.90	138.16	566.00	.000	LF +OF
574.00	139.53	566.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-12.45	566.25	.000	LF +OF
565.10	-12.45	566.25	.000	LF +OF
565.20	-12.45	566.25	.000	LF +OF
565.25	-12.45	566.25	.000	LF +OF
565.30	-12.45	566.25	.000	LF +OF
565.40	-12.45	566.25	.000	LF +OF
565.50	-12.45	566.25	.000	LF +OF
565.60	-12.45	566.25	.000	LF +OF
565.70	-12.45	566.25	.000	LF +OF
565.75	-12.45	566.25	.000	LF +OF
565.80	-12.45	566.25	.000	LF +OF
565.90	-12.40	566.25	.000	LF +OF
566.00	-11.68	566.25	.000	LF +OF
566.10	-10.01	566.25	.000	LF +OF
566.20	-6.29	566.25	.000	LF +OF
566.25	.00	566.25	.000	LF
566.30	6.96	566.25	.000	LF
566.40	11.81	566.25	.000	LF
566.50	14.83	566.25	.000	LF
566.60	16.80	566.25	.000	LF
566.70	17.89	566.25	.000	LF
566.75	18.89	566.25	.000	LF
566.80	19.64	566.25	.000	LF
566.90	21.69	566.25	.000	LF
567.00	23.54	566.25	.000	LF
567.10	25.73	566.25	.000	LF
567.20	27.74	566.25	.000	LF
567.25	28.84	566.25	.000	LF
567.30	29.95	566.25	.000	LF
567.40	31.86	566.25	.000	LF
567.50	34.02	566.25	.000	LF
567.60	36.17	566.25	.000	LF
567.70	38.39	566.25	.000	LF
567.75	39.43	566.25	.000	LF
567.80	40.50	566.25	.000	LF
567.90	42.79	566.25	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	566.25	.000	LF
568.10	46.89	566.25	.000	LF
568.20	48.88	566.25	.000	LF
568.25	49.90	566.25	.000	LF
568.30	50.92	566.25	.000	LF
568.40	53.19	566.25	.000	LF
568.50	55.01	566.25	.000	LF
568.60	56.89	566.25	.000	LF
568.70	58.78	566.25	.000	LF
568.75	59.96	566.25	.000	LF
568.80	61.02	566.25	.000	LF
568.90	62.63	566.25	.000	LF
569.00	64.35	566.25	.000	LF
569.10	66.30	566.25	.000	LF
569.20	68.19	566.25	.000	LF
569.25	68.94	566.25	.000	LF
569.30	69.82	566.25	.000	LF
569.40	71.56	566.25	.000	LF
569.50	73.06	566.25	.000	LF
569.60	74.70	566.25	.000	LF
569.70	75.81	566.25	.000	LF
569.75	76.37	566.25	.000	LF
569.80	76.90	566.25	.000	LF
569.90	77.98	566.25	.000	LF
570.00	79.03	566.25	.000	LF
570.10	80.09	566.25	.000	LF
570.20	81.11	566.25	.000	LF
570.30	82.18	566.25	.000	LF +OF
570.40	83.33	566.25	.000	LF +OF
570.50	84.54	566.25	.000	LF +OF
570.60	85.70	566.25	.000	LF +OF
570.70	86.99	566.25	.000	LF +OF
570.80	88.30	566.25	.000	LF +OF
570.90	89.62	566.25	.000	LF +OF
571.00	90.96	566.25	.000	LF +OF
571.10	92.41	566.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	93.93	566.25	.000	LF +OF
571.30	95.48	566.25	.000	LF +OF
571.40	97.04	566.25	.000	LF +OF
571.50	98.49	566.25	.000	LF +OF
571.60	100.30	566.25	.000	LF +OF
571.70	101.83	566.25	.000	LF +OF
571.80	103.55	566.25	.000	LF +OF
571.90	105.21	566.25	.000	LF +OF
572.00	106.92	566.25	.000	LF +OF
572.10	108.53	566.25	.000	LF +OF
572.20	110.34	566.25	.000	LF +OF
572.30	111.98	566.25	.000	LF +OF
572.40	113.65	566.25	.000	LF +OF
572.50	115.46	566.25	.000	LF +OF
572.60	117.12	566.25	.000	LF +OF
572.70	118.82	566.25	.000	LF +OF
572.80	120.56	566.25	.000	LF +OF
572.90	122.31	566.25	.000	LF +OF
573.00	123.81	566.25	.000	LF +OF
573.10	125.54	566.25	.000	LF +OF
573.20	127.20	566.25	.000	LF +OF
573.30	128.78	566.25	.000	LF +OF
573.40	130.39	566.25	.000	LF +OF
573.50	131.97	566.25	.000	LF +OF
573.60	133.48	566.25	.000	LF +OF
573.70	135.01	566.25	.000	LF +OF
573.80	136.55	566.25	.000	LF +OF
573.90	138.03	566.25	.000	LF +OF
574.00	139.41	566.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-16.83	566.50	.000	LF +OF
565.10	-16.83	566.50	.000	LF +OF
565.20	-16.83	566.50	.000	LF +OF
565.25	-16.83	566.50	.000	LF +OF
565.30	-16.83	566.50	.000	LF +OF
565.40	-16.83	566.50	.000	LF +OF
565.50	-16.83	566.50	.000	LF +OF
565.60	-16.83	566.50	.000	LF +OF
565.70	-16.83	566.50	.000	LF +OF
565.75	-16.83	566.50	.000	LF +OF
565.80	-16.83	566.50	.000	LF +OF
565.90	-16.83	566.50	.000	LF +OF
566.00	-16.83	566.50	.000	LF +OF
566.10	-16.55	566.50	.000	LF +OF
566.20	-15.55	566.50	.000	LF +OF
566.25	-14.73	566.50	.000	LF +OF
566.30	-13.64	566.50	.000	LF +OF
566.40	-10.30	566.50	.000	LF +OF
566.50	.00	566.50	.000	LF
566.60	11.31	566.50	.000	LF
566.70	15.92	566.50	.000	LF
566.75	17.73	566.50	.000	LF
566.80	19.43	566.50	.000	LF
566.90	22.30	566.50	.000	LF
567.00	24.74	566.50	.000	LF
567.10	26.78	566.50	.000	LF
567.20	28.33	566.50	.000	LF
567.25	28.84	566.50	.000	LF
567.30	29.95	566.50	.000	LF
567.40	31.86	566.50	.000	LF
567.50	34.02	566.50	.000	LF
567.60	36.17	566.50	.000	LF
567.70	38.39	566.50	.000	LF
567.75	39.43	566.50	.000	LF
567.80	40.50	566.50	.000	LF
567.90	42.79	566.50	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	44.74	566.50	.000	LF
568.10	46.89	566.50	.000	LF
568.20	48.88	566.50	.000	LF
568.25	49.90	566.50	.000	LF
568.30	50.92	566.50	.000	LF
568.40	53.19	566.50	.000	LF
568.50	55.01	566.50	.000	LF
568.60	56.89	566.50	.000	LF
568.70	60.13	566.50	.000	LF
568.75	61.00	566.50	.000	LF
568.80	61.81	566.50	.000	LF
568.90	63.23	566.50	.000	LF
569.00	64.53	566.50	.000	LF
569.10	65.81	566.50	.000	LF
569.20	67.07	566.50	.000	LF
569.25	67.68	566.50	.000	LF
569.30	68.30	566.50	.000	LF
569.40	69.51	566.50	.000	LF
569.50	70.70	566.50	.000	LF
569.60	71.86	566.50	.000	LF
569.70	73.02	566.50	.000	LF
569.75	73.57	566.50	.000	LF
569.80	74.14	566.50	.000	LF
569.90	75.26	566.50	.000	LF
570.00	76.36	566.50	.000	LF
570.10	77.45	566.50	.000	LF
570.20	78.50	566.50	.000	LF
570.30	79.60	566.50	.000	LF +OF
570.40	80.78	566.50	.000	LF +OF
570.50	82.02	566.50	.000	LF +OF
570.60	83.22	566.50	.000	LF +OF
570.70	84.53	566.50	.000	LF +OF
570.80	85.87	566.50	.000	LF +OF
570.90	87.23	566.50	.000	LF +OF
571.00	88.59	566.50	.000	LF +OF
571.10	90.06	566.50	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	91.62	566.50	.000	LF +OF
571.30	93.18	566.50	.000	LF +OF
571.40	94.77	566.50	.000	LF +OF
571.50	96.24	566.50	.000	LF +OF
571.60	98.07	566.50	.000	LF +OF
571.70	99.61	566.50	.000	LF +OF
571.80	101.36	566.50	.000	LF +OF
571.90	103.04	566.50	.000	LF +OF
572.00	104.76	566.50	.000	LF +OF
572.10	106.40	566.50	.000	LF +OF
572.20	108.21	566.50	.000	LF +OF
572.30	109.87	566.50	.000	LF +OF
572.40	111.58	566.50	.000	LF +OF
572.50	113.39	566.50	.000	LF +OF
572.60	115.07	566.50	.000	LF +OF
572.70	116.79	566.50	.000	LF +OF
572.80	118.56	566.50	.000	LF +OF
572.90	120.31	566.50	.000	LF +OF
573.00	121.83	566.50	.000	LF +OF
573.10	123.57	566.50	.000	LF +OF
573.20	125.25	566.50	.000	LF +OF
573.30	126.84	566.50	.000	LF +OF
573.40	128.46	566.50	.000	LF +OF
573.50	130.06	566.50	.000	LF +OF
573.60	131.58	566.50	.000	LF +OF
573.70	133.12	566.50	.000	LF +OF
573.80	134.68	566.50	.000	LF +OF
573.90	136.18	566.50	.000	LF +OF
574.00	137.56	566.50	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-21.36	566.75	.000	LF +OF
565.10	-21.36	566.75	.000	LF +OF
565.20	-21.36	566.75	.000	LF +OF
565.25	-21.36	566.75	.000	LF +OF
565.30	-21.36	566.75	.000	LF +OF
565.40	-21.36	566.75	.000	LF +OF
565.50	-21.36	566.75	.000	LF +OF
565.60	-21.36	566.75	.000	LF +OF
565.70	-21.36	566.75	.000	LF +OF
565.75	-21.36	566.75	.000	LF +OF
565.80	-21.36	566.75	.000	LF +OF
565.90	-21.36	566.75	.000	LF +OF
566.00	-21.36	566.75	.000	LF +OF
566.10	-21.36	566.75	.000	LF +OF
566.20	-21.22	566.75	.000	LF +OF
566.25	-20.96	566.75	.000	LF +OF
566.30	-20.55	566.75	.000	LF +OF
566.40	-19.26	566.75	.000	LF +OF
566.50	-17.17	566.75	.000	LF +OF
566.60	-13.83	566.75	.000	LF +OF
566.70	-8.39	566.75	.000	LF +OF
566.75	.00	566.75	.000	LF
566.80	8.64	566.75	.000	LF
566.90	15.02	566.75	.000	LF
567.00	19.43	566.75	.000	LF
567.10	23.12	566.75	.000	LF
567.20	26.27	566.75	.000	LF
567.25	27.75	566.75	.000	LF
567.30	29.13	566.75	.000	LF
567.40	31.82	566.75	.000	LF
567.50	34.36	566.75	.000	LF
567.60	36.73	566.75	.000	LF
567.70	38.99	566.75	.000	LF
567.75	40.08	566.75	.000	LF
567.80	41.19	566.75	.000	LF
567.90	43.30	566.75	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	45.32	566.75	.000	LF
568.10	47.22	566.75	.000	LF
568.20	49.05	566.75	.000	LF
568.25	49.95	566.75	.000	LF
568.30	50.80	566.75	.000	LF
568.40	52.44	566.75	.000	LF
568.50	54.00	566.75	.000	LF
568.60	55.51	566.75	.000	LF
568.70	57.00	566.75	.000	LF
568.75	57.72	566.75	.000	LF
568.80	58.43	566.75	.000	LF
568.90	59.85	566.75	.000	LF
569.00	61.23	566.75	.000	LF
569.10	62.56	566.75	.000	LF
569.20	63.88	566.75	.000	LF
569.25	64.52	566.75	.000	LF
569.30	65.18	566.75	.000	LF
569.40	66.45	566.75	.000	LF
569.50	67.69	566.75	.000	LF
569.60	68.90	566.75	.000	LF
569.70	70.09	566.75	.000	LF
569.75	70.70	566.75	.000	LF
569.80	71.29	566.75	.000	LF
569.90	72.44	566.75	.000	LF
570.00	73.58	566.75	.000	LF
570.10	74.71	566.75	.000	LF
570.20	75.81	566.75	.000	LF
570.30	76.95	566.75	.000	LF +OF
570.40	78.15	566.75	.000	LF +OF
570.50	79.41	566.75	.000	LF +OF
570.60	80.67	566.75	.000	LF +OF
570.70	82.01	566.75	.000	LF +OF
570.80	83.37	566.75	.000	LF +OF
570.90	84.77	566.75	.000	LF +OF
571.00	86.15	566.75	.000	LF +OF
571.10	87.64	566.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	89.23	566.75	.000	LF +OF
571.30	90.82	566.75	.000	LF +OF
571.40	92.42	566.75	.000	LF +OF
571.50	93.92	566.75	.000	LF +OF
571.60	95.78	566.75	.000	LF +OF
571.70	97.36	566.75	.000	LF +OF
571.80	99.11	566.75	.000	LF +OF
571.90	100.81	566.75	.000	LF +OF
572.00	102.56	566.75	.000	LF +OF
572.10	104.21	566.75	.000	LF +OF
572.20	106.06	566.75	.000	LF +OF
572.30	107.73	566.75	.000	LF +OF
572.40	109.45	566.75	.000	LF +OF
572.50	111.27	566.75	.000	LF +OF
572.60	112.99	566.75	.000	LF +OF
572.70	114.72	566.75	.000	LF +OF
572.80	116.50	566.75	.000	LF +OF
572.90	118.28	566.75	.000	LF +OF
573.00	119.81	566.75	.000	LF +OF
573.10	121.56	566.75	.000	LF +OF
573.20	123.26	566.75	.000	LF +OF
573.30	124.87	566.75	.000	LF +OF
573.40	126.50	566.75	.000	LF +OF
573.50	128.10	566.75	.000	LF +OF
573.60	129.66	566.75	.000	LF +OF
573.70	131.21	566.75	.000	LF +OF
573.80	132.77	566.75	.000	LF +OF
573.90	134.29	566.75	.000	LF +OF
574.00	135.68	566.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-25.80	567.00	.000	LF +OF
565.10	-25.80	567.00	.000	LF +OF
565.20	-25.80	567.00	.000	LF +OF
565.25	-25.80	567.00	.000	LF +OF
565.30	-25.80	567.00	.000	LF +OF
565.40	-25.80	567.00	.000	LF +OF
565.50	-25.80	567.00	.000	LF +OF
565.60	-25.80	567.00	.000	LF +OF
565.70	-25.80	567.00	.000	LF +OF
565.75	-25.80	567.00	.000	LF +OF
565.80	-25.80	567.00	.000	LF +OF
565.90	-25.80	567.00	.000	LF +OF
566.00	-25.80	567.00	.000	LF +OF
566.10	-25.80	567.00	.000	LF +OF
566.20	-25.80	567.00	.000	LF +OF
566.25	-25.80	567.00	.000	LF +OF
566.30	-25.75	567.00	.000	LF +OF
566.40	-25.27	567.00	.000	LF +OF
566.50	-24.27	567.00	.000	LF +OF
566.60	-22.65	567.00	.000	LF +OF
566.70	-20.31	567.00	.000	LF +OF
566.75	-18.88	567.00	.000	LF +OF
566.80	-17.07	567.00	.000	LF +OF
566.90	-12.40	567.00	.000	LF +OF
567.00	.00	567.00	.000	LF
567.10	12.80	567.00	.000	LF
567.20	18.07	567.00	.000	LF
567.25	20.22	567.00	.000	LF
567.30	22.20	567.00	.000	LF
567.40	25.68	567.00	.000	LF
567.50	28.76	567.00	.000	LF
567.60	31.56	567.00	.000	LF
567.70	34.15	567.00	.000	LF
567.75	35.32	567.00	.000	LF
567.80	36.51	567.00	.000	LF
567.90	38.72	567.00	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	40.84	567.00	.000	LF
568.10	42.81	567.00	.000	LF
568.20	44.72	567.00	.000	LF
568.25	45.64	567.00	.000	LF
568.30	46.55	567.00	.000	LF
568.40	48.30	567.00	.000	LF
568.50	49.99	567.00	.000	LF
568.60	51.63	567.00	.000	LF
568.70	53.23	567.00	.000	LF
568.75	53.99	567.00	.000	LF
568.80	54.75	567.00	.000	LF
568.90	56.26	567.00	.000	LF
569.00	57.72	567.00	.000	LF
569.10	59.14	567.00	.000	LF
569.20	60.54	567.00	.000	LF
569.25	61.22	567.00	.000	LF
569.30	61.90	567.00	.000	LF
569.40	63.23	567.00	.000	LF
569.50	64.54	567.00	.000	LF
569.60	65.81	567.00	.000	LF
569.70	67.07	567.00	.000	LF
569.75	67.69	567.00	.000	LF
569.80	68.29	567.00	.000	LF
569.90	69.50	567.00	.000	LF
570.00	70.69	567.00	.000	LF
570.10	71.87	567.00	.000	LF
570.20	73.01	567.00	.000	LF
570.30	74.18	567.00	.000	LF +OF
570.40	75.45	567.00	.000	LF +OF
570.50	76.74	567.00	.000	LF +OF
570.60	78.01	567.00	.000	LF +OF
570.70	79.40	567.00	.000	LF +OF
570.80	80.80	567.00	.000	LF +OF
570.90	82.22	567.00	.000	LF +OF
571.00	83.64	567.00	.000	LF +OF
571.10	85.17	567.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	86.77	567.00	.000	LF +OF
571.30	88.39	567.00	.000	LF +OF
571.40	90.03	567.00	.000	LF +OF
571.50	91.56	567.00	.000	LF +OF
571.60	93.43	567.00	.000	LF +OF
571.70	95.03	567.00	.000	LF +OF
571.80	96.82	567.00	.000	LF +OF
571.90	98.54	567.00	.000	LF +OF
572.00	100.30	567.00	.000	LF +OF
572.10	101.98	567.00	.000	LF +OF
572.20	103.85	567.00	.000	LF +OF
572.30	105.55	567.00	.000	LF +OF
572.40	107.27	567.00	.000	LF +OF
572.50	109.13	567.00	.000	LF +OF
572.60	110.85	567.00	.000	LF +OF
572.70	112.61	567.00	.000	LF +OF
572.80	114.41	567.00	.000	LF +OF
572.90	116.20	567.00	.000	LF +OF
573.00	117.74	567.00	.000	LF +OF
573.10	119.52	567.00	.000	LF +OF
573.20	121.23	567.00	.000	LF +OF
573.30	122.85	567.00	.000	LF +OF
573.40	124.50	567.00	.000	LF +OF
573.50	126.13	567.00	.000	LF +OF
573.60	127.68	567.00	.000	LF +OF
573.70	129.26	567.00	.000	LF +OF
573.80	130.83	567.00	.000	LF +OF
573.90	132.37	567.00	.000	LF +OF
574.00	133.78	567.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-30.16	567.25	.000	LF +OF
565.10	-30.16	567.25	.000	LF +OF
565.20	-30.16	567.25	.000	LF +OF
565.25	-30.16	567.25	.000	LF +OF
565.30	-30.16	567.25	.000	LF +OF
565.40	-30.16	567.25	.000	LF +OF
565.50	-30.16	567.25	.000	LF +OF
565.60	-30.16	567.25	.000	LF +OF
565.70	-30.16	567.25	.000	LF +OF
565.75	-30.16	567.25	.000	LF +OF
565.80	-30.16	567.25	.000	LF +OF
565.90	-30.16	567.25	.000	LF +OF
566.00	-30.16	567.25	.000	LF +OF
566.10	-30.16	567.25	.000	LF +OF
566.20	-30.16	567.25	.000	LF +OF
566.25	-30.16	567.25	.000	LF +OF
566.30	-30.16	567.25	.000	LF +OF
566.40	-30.14	567.25	.000	LF +OF
566.50	-29.76	567.25	.000	LF +OF
566.60	-28.90	567.25	.000	LF +OF
566.70	-27.56	567.25	.000	LF +OF
566.75	-26.66	567.25	.000	LF +OF
566.80	-25.65	567.25	.000	LF +OF
566.90	-23.17	567.25	.000	LF +OF
567.00	-19.93	567.25	.000	LF +OF
567.10	-15.64	567.25	.000	LF +OF
567.20	-9.16	567.25	.000	LF +OF
567.25	.00	567.25	.000	LF
567.30	9.09	567.25	.000	LF
567.40	15.85	567.25	.000	LF
567.50	20.38	567.25	.000	LF
567.60	24.15	567.25	.000	LF
567.70	27.37	567.25	.000	LF
567.75	28.83	567.25	.000	LF
567.80	30.25	567.25	.000	LF
567.90	32.91	567.25	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	35.35	567.25	.000	LF
568.10	37.62	567.25	.000	LF
568.20	39.77	567.25	.000	LF
568.25	40.82	567.25	.000	LF
568.30	41.82	567.25	.000	LF
568.40	43.78	567.25	.000	LF
568.50	45.62	567.25	.000	LF
568.60	47.43	567.25	.000	LF
568.70	49.15	567.25	.000	LF
568.75	50.00	567.25	.000	LF
568.80	50.82	567.25	.000	LF
568.90	52.44	567.25	.000	LF
569.00	54.01	567.25	.000	LF
569.10	55.51	567.25	.000	LF
569.20	56.99	567.25	.000	LF
569.25	57.73	567.25	.000	LF
569.30	58.44	567.25	.000	LF
569.40	59.86	567.25	.000	LF
569.50	61.23	567.25	.000	LF
569.60	62.56	567.25	.000	LF
569.70	63.89	567.25	.000	LF
569.75	64.54	567.25	.000	LF
569.80	65.18	567.25	.000	LF
569.90	66.44	567.25	.000	LF
570.00	67.69	567.25	.000	LF
570.10	68.91	567.25	.000	LF
570.20	70.09	567.25	.000	LF
570.30	71.32	567.25	.000	LF +OF
570.40	72.62	567.25	.000	LF +OF
570.50	73.96	567.25	.000	LF +OF
570.60	75.28	567.25	.000	LF +OF
570.70	76.69	567.25	.000	LF +OF
570.80	78.14	567.25	.000	LF +OF
570.90	79.60	567.25	.000	LF +OF
571.00	81.06	567.25	.000	LF +OF
571.10	82.60	567.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	84.25	567.25	.000	LF +OF
571.30	85.89	567.25	.000	LF +OF
571.40	87.57	567.25	.000	LF +OF
571.50	89.11	567.25	.000	LF +OF
571.60	91.02	567.25	.000	LF +OF
571.70	92.65	567.25	.000	LF +OF
571.80	94.46	567.25	.000	LF +OF
571.90	96.19	567.25	.000	LF +OF
572.00	98.00	567.25	.000	LF +OF
572.10	99.70	567.25	.000	LF +OF
572.20	101.58	567.25	.000	LF +OF
572.30	103.30	567.25	.000	LF +OF
572.40	105.05	567.25	.000	LF +OF
572.50	106.93	567.25	.000	LF +OF
572.60	108.68	567.25	.000	LF +OF
572.70	110.44	567.25	.000	LF +OF
572.80	112.27	567.25	.000	LF +OF
572.90	114.08	567.25	.000	LF +OF
573.00	115.63	567.25	.000	LF +OF
573.10	117.42	567.25	.000	LF +OF
573.20	119.17	567.25	.000	LF +OF
573.30	120.80	567.25	.000	LF +OF
573.40	122.46	567.25	.000	LF +OF
573.50	124.10	567.25	.000	LF +OF
573.60	125.68	567.25	.000	LF +OF
573.70	127.27	567.25	.000	LF +OF
573.80	128.86	567.25	.000	LF +OF
573.90	130.40	567.25	.000	LF +OF
574.00	131.83	567.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-34.40	567.50	.000	LF +OF
565.10	-34.40	567.50	.000	LF +OF
565.20	-34.40	567.50	.000	LF +OF
565.25	-34.40	567.50	.000	LF +OF
565.30	-34.40	567.50	.000	LF +OF
565.40	-34.40	567.50	.000	LF +OF
565.50	-34.40	567.50	.000	LF +OF
565.60	-34.40	567.50	.000	LF +OF
565.70	-34.40	567.50	.000	LF +OF
565.75	-34.40	567.50	.000	LF +OF
565.80	-34.40	567.50	.000	LF +OF
565.90	-34.40	567.50	.000	LF +OF
566.00	-34.40	567.50	.000	LF +OF
566.10	-34.40	567.50	.000	LF +OF
566.20	-34.40	567.50	.000	LF +OF
566.25	-34.40	567.50	.000	LF +OF
566.30	-34.40	567.50	.000	LF +OF
566.40	-34.40	567.50	.000	LF +OF
566.50	-34.38	567.50	.000	LF +OF
566.60	-34.00	567.50	.000	LF +OF
566.70	-33.19	567.50	.000	LF +OF
566.75	-32.64	567.50	.000	LF +OF
566.80	-32.00	567.50	.000	LF +OF
566.90	-30.33	567.50	.000	LF +OF
567.00	-28.18	567.50	.000	LF +OF
567.10	-25.56	567.50	.000	LF +OF
567.20	-22.32	567.50	.000	LF +OF
567.25	-20.41	567.50	.000	LF +OF
567.30	-18.22	567.50	.000	LF +OF
567.40	-12.97	567.50	.000	LF +OF
567.50	.00	567.50	.000	LF
567.60	12.85	567.50	.000	LF
567.70	18.25	567.50	.000	LF
567.75	20.38	567.50	.000	LF
567.80	22.36	567.50	.000	LF
567.90	25.83	567.50	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	28.86	567.50	.000	LF
568.10	31.63	567.50	.000	LF
568.20	34.14	567.50	.000	LF
568.25	35.34	567.50	.000	LF
568.30	36.49	567.50	.000	LF
568.40	38.71	567.50	.000	LF
568.50	40.83	567.50	.000	LF
568.60	42.79	567.50	.000	LF
568.70	44.73	567.50	.000	LF
568.75	45.62	567.50	.000	LF
568.80	46.55	567.50	.000	LF
568.90	48.28	567.50	.000	LF
569.00	50.00	567.50	.000	LF
569.10	51.64	567.50	.000	LF
569.20	53.20	567.50	.000	LF
569.25	54.00	567.50	.000	LF
569.30	54.76	567.50	.000	LF
569.40	56.26	567.50	.000	LF
569.50	57.72	567.50	.000	LF
569.60	59.15	567.50	.000	LF
569.70	60.55	567.50	.000	LF
569.75	61.22	567.50	.000	LF
569.80	61.89	567.50	.000	LF
569.90	63.24	567.50	.000	LF
570.00	64.53	567.50	.000	LF
570.10	65.82	567.50	.000	LF
570.20	67.07	567.50	.000	LF
570.30	68.34	567.50	.000	LF +OF
570.40	69.68	567.50	.000	LF +OF
570.50	71.07	567.50	.000	LF +OF
570.60	72.45	567.50	.000	LF +OF
570.70	73.91	567.50	.000	LF +OF
570.80	75.37	567.50	.000	LF +OF
570.90	76.87	567.50	.000	LF +OF
571.00	78.36	567.50	.000	LF +OF
571.10	79.95	567.50	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	81.64	567.50	.000	LF +OF
571.30	83.32	567.50	.000	LF +OF
571.40	85.02	567.50	.000	LF +OF
571.50	86.61	567.50	.000	LF +OF
571.60	88.54	567.50	.000	LF +OF
571.70	90.20	567.50	.000	LF +OF
571.80	92.03	567.50	.000	LF +OF
571.90	93.79	567.50	.000	LF +OF
572.00	95.63	567.50	.000	LF +OF
572.10	97.34	567.50	.000	LF +OF
572.20	99.26	567.50	.000	LF +OF
572.30	100.99	567.50	.000	LF +OF
572.40	102.78	567.50	.000	LF +OF
572.50	104.67	567.50	.000	LF +OF
572.60	106.45	567.50	.000	LF +OF
572.70	108.23	567.50	.000	LF +OF
572.80	110.07	567.50	.000	LF +OF
572.90	111.91	567.50	.000	LF +OF
573.00	113.49	567.50	.000	LF +OF
573.10	115.30	567.50	.000	LF +OF
573.20	117.05	567.50	.000	LF +OF
573.30	118.70	567.50	.000	LF +OF
573.40	120.39	567.50	.000	LF +OF
573.50	122.04	567.50	.000	LF +OF
573.60	123.64	567.50	.000	LF +OF
573.70	125.23	567.50	.000	LF +OF
573.80	126.85	567.50	.000	LF +OF
573.90	128.40	567.50	.000	LF +OF
574.00	129.85	567.50	.000	LF +OF

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-38.48	567.75	.000	LF +OF
565.10	-38.48	567.75	.000	LF +OF
565.20	-38.48	567.75	.000	LF +OF
565.25	-38.48	567.75	.000	LF +OF
565.30	-38.48	567.75	.000	LF +OF
565.40	-38.48	567.75	.000	LF +OF
565.50	-38.48	567.75	.000	LF +OF
565.60	-38.48	567.75	.000	LF +OF
565.70	-38.48	567.75	.000	LF +OF
565.75	-38.48	567.75	.000	LF +OF
565.80	-38.48	567.75	.000	LF +OF
565.90	-38.48	567.75	.000	LF +OF
566.00	-38.48	567.75	.000	LF +OF
566.10	-38.48	567.75	.000	LF +OF
566.20	-38.48	567.75	.000	LF +OF
566.25	-38.48	567.75	.000	LF +OF
566.30	-38.48	567.75	.000	LF +OF
566.40	-38.48	567.75	.000	LF +OF
566.50	-38.48	567.75	.000	LF +OF
566.60	-38.43	567.75	.000	LF +OF
566.70	-38.00	567.75	.000	LF +OF
566.75	-37.67	567.75	.000	LF +OF
566.80	-37.24	567.75	.000	LF +OF
566.90	-36.05	567.75	.000	LF +OF
567.00	-34.52	567.75	.000	LF +OF
567.10	-32.57	567.75	.000	LF +OF
567.20	-30.23	567.75	.000	LF +OF
567.25	-28.85	567.75	.000	LF +OF
567.30	-27.37	567.75	.000	LF +OF
567.40	-24.13	567.75	.000	LF +OF
567.50	-20.41	567.75	.000	LF +OF
567.60	-15.83	567.75	.000	LF +OF
567.70	-9.16	567.75	.000	LF +OF
567.75	.00	567.75	.000	LF
567.80	9.12	567.75	.000	LF
567.90	15.79	567.75	.000	LF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	20.42	567.75	.000	LF
568.10	24.16	567.75	.000	LF
568.20	27.39	567.75	.000	LF
568.25	28.89	567.75	.000	LF
568.30	30.30	567.75	.000	LF
568.40	32.91	567.75	.000	LF
568.50	35.33	567.75	.000	LF
568.60	37.62	567.75	.000	LF
568.70	39.78	567.75	.000	LF
568.75	40.82	567.75	.000	LF
568.80	41.83	567.75	.000	LF
568.90	43.79	567.75	.000	LF
569.00	45.62	567.75	.000	LF
569.10	47.41	567.75	.000	LF
569.20	49.15	567.75	.000	LF
569.25	49.97	567.75	.000	LF
569.30	50.82	567.75	.000	LF
569.40	52.44	567.75	.000	LF
569.50	53.99	567.75	.000	LF
569.60	55.50	567.75	.000	LF
569.70	56.98	567.75	.000	LF
569.75	57.72	567.75	.000	LF
569.80	58.44	567.75	.000	LF
569.90	59.84	567.75	.000	LF
570.00	61.22	567.75	.000	LF
570.10	62.57	567.75	.000	LF
570.20	63.89	567.75	.000	LF
570.30	65.21	567.75	.000	LF +OF
570.40	66.62	567.75	.000	LF +OF
570.50	68.08	567.75	.000	LF +OF
570.60	69.48	567.75	.000	LF +OF
570.70	70.99	567.75	.000	LF +OF
570.80	72.51	567.75	.000	LF +OF
570.90	74.05	567.75	.000	LF +OF
571.00	75.60	567.75	.000	LF +OF
571.10	77.22	567.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	78.94	567.75	.000	LF +OF
571.30	80.66	567.75	.000	LF +OF
571.40	82.40	567.75	.000	LF +OF
571.50	84.01	567.75	.000	LF +OF
571.60	85.99	567.75	.000	LF +OF
571.70	87.67	567.75	.000	LF +OF
571.80	89.53	567.75	.000	LF +OF
571.90	91.33	567.75	.000	LF +OF
572.00	93.18	567.75	.000	LF +OF
572.10	94.94	567.75	.000	LF +OF
572.20	96.87	567.75	.000	LF +OF
572.30	98.64	567.75	.000	LF +OF
572.40	100.45	567.75	.000	LF +OF
572.50	102.37	567.75	.000	LF +OF
572.60	104.15	567.75	.000	LF +OF
572.70	105.96	567.75	.000	LF +OF
572.80	107.83	567.75	.000	LF +OF
572.90	109.68	567.75	.000	LF +OF
573.00	111.28	567.75	.000	LF +OF
573.10	113.11	567.75	.000	LF +OF
573.20	114.89	567.75	.000	LF +OF
573.30	116.56	567.75	.000	LF +OF
573.40	118.26	567.75	.000	LF +OF
573.50	119.94	567.75	.000	LF +OF
573.60	121.55	567.75	.000	LF +OF
573.70	123.17	567.75	.000	LF +OF
573.80	124.79	567.75	.000	LF +OF
573.90	126.37	567.75	.000	LF +OF
574.00	127.82	567.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-42.39	568.00	.000	LF +OF
565.10	-42.39	568.00	.000	LF +OF
565.20	-42.39	568.00	.000	LF +OF
565.25	-42.39	568.00	.000	LF +OF
565.30	-42.39	568.00	.000	LF +OF
565.40	-42.39	568.00	.000	LF +OF
565.50	-42.39	568.00	.000	LF +OF
565.60	-42.39	568.00	.000	LF +OF
565.70	-42.39	568.00	.000	LF +OF
565.75	-42.39	568.00	.000	LF +OF
565.80	-42.39	568.00	.000	LF +OF
565.90	-42.39	568.00	.000	LF +OF
566.00	-42.39	568.00	.000	LF +OF
566.10	-42.39	568.00	.000	LF +OF
566.20	-42.39	568.00	.000	LF +OF
566.25	-42.39	568.00	.000	LF +OF
566.30	-42.39	568.00	.000	LF +OF
566.40	-42.39	568.00	.000	LF +OF
566.50	-42.39	568.00	.000	LF +OF
566.60	-42.39	568.00	.000	LF +OF
566.70	-42.30	568.00	.000	LF +OF
566.75	-42.11	568.00	.000	LF +OF
566.80	-41.82	568.00	.000	LF +OF
566.90	-41.01	568.00	.000	LF +OF
567.00	-39.82	568.00	.000	LF +OF
567.10	-38.31	568.00	.000	LF +OF
567.20	-36.43	568.00	.000	LF +OF
567.25	-35.33	568.00	.000	LF +OF
567.30	-34.14	568.00	.000	LF +OF
567.40	-31.61	568.00	.000	LF +OF
567.50	-28.85	568.00	.000	LF +OF
567.60	-25.84	568.00	.000	LF +OF
567.70	-22.36	568.00	.000	LF +OF
567.75	-20.41	568.00	.000	LF +OF
567.80	-18.22	568.00	.000	LF +OF
567.90	-12.97	568.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	.00	568.00	.000	LF
568.10	12.87	568.00	.000	LF
568.20	18.23	568.00	.000	LF
568.25	20.44	568.00	.000	LF
568.30	22.36	568.00	.000	LF
568.40	25.79	568.00	.000	LF
568.50	28.85	568.00	.000	LF
568.60	31.64	568.00	.000	LF
568.70	34.14	568.00	.000	LF
568.75	35.36	568.00	.000	LF
568.80	36.51	568.00	.000	LF
568.90	38.72	568.00	.000	LF
569.00	40.80	568.00	.000	LF
569.10	42.80	568.00	.000	LF
569.20	44.70	568.00	.000	LF
569.25	45.63	568.00	.000	LF
569.30	46.55	568.00	.000	LF
569.40	48.31	568.00	.000	LF
569.50	49.99	568.00	.000	LF
569.60	51.63	568.00	.000	LF
569.70	53.22	568.00	.000	LF
569.75	53.99	568.00	.000	LF
569.80	54.76	568.00	.000	LF
569.90	56.26	568.00	.000	LF
570.00	57.71	568.00	.000	LF
570.10	59.15	568.00	.000	LF
570.20	60.53	568.00	.000	LF
570.30	61.93	568.00	.000	LF +OF
570.40	63.40	568.00	.000	LF +OF
570.50	64.91	568.00	.000	LF +OF
570.60	66.38	568.00	.000	LF +OF
570.70	67.94	568.00	.000	LF +OF
570.80	69.54	568.00	.000	LF +OF
570.90	71.13	568.00	.000	LF +OF
571.00	72.72	568.00	.000	LF +OF
571.10	74.38	568.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	76.15	568.00	.000	LF +OF
571.30	77.90	568.00	.000	LF +OF
571.40	79.68	568.00	.000	LF +OF
571.50	81.33	568.00	.000	LF +OF
571.60	83.34	568.00	.000	LF +OF
571.70	85.05	568.00	.000	LF +OF
571.80	86.95	568.00	.000	LF +OF
571.90	88.79	568.00	.000	LF +OF
572.00	90.68	568.00	.000	LF +OF
572.10	92.45	568.00	.000	LF +OF
572.20	94.42	568.00	.000	LF +OF
572.30	96.22	568.00	.000	LF +OF
572.40	98.06	568.00	.000	LF +OF
572.50	99.98	568.00	.000	LF +OF
572.60	101.80	568.00	.000	LF +OF
572.70	103.65	568.00	.000	LF +OF
572.80	105.54	568.00	.000	LF +OF
572.90	107.41	568.00	.000	LF +OF
573.00	109.04	568.00	.000	LF +OF
573.10	110.89	568.00	.000	LF +OF
573.20	112.68	568.00	.000	LF +OF
573.30	114.37	568.00	.000	LF +OF
573.40	116.09	568.00	.000	LF +OF
573.50	117.79	568.00	.000	LF +OF
573.60	119.42	568.00	.000	LF +OF
573.70	121.06	568.00	.000	LF +OF
573.80	122.69	568.00	.000	LF +OF
573.90	124.29	568.00	.000	LF +OF
574.00	125.76	568.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-46.16	568.25	.000	LF +OF
565.10	-46.16	568.25	.000	LF +OF
565.20	-46.16	568.25	.000	LF +OF
565.25	-46.16	568.25	.000	LF +OF
565.30	-46.16	568.25	.000	LF +OF
565.40	-46.16	568.25	.000	LF +OF
565.50	-46.16	568.25	.000	LF +OF
565.60	-46.16	568.25	.000	LF +OF
565.70	-46.16	568.25	.000	LF +OF
565.75	-46.16	568.25	.000	LF +OF
565.80	-46.16	568.25	.000	LF +OF
565.90	-46.16	568.25	.000	LF +OF
566.00	-46.16	568.25	.000	LF +OF
566.10	-46.16	568.25	.000	LF +OF
566.20	-46.16	568.25	.000	LF +OF
566.25	-46.16	568.25	.000	LF +OF
566.30	-46.16	568.25	.000	LF +OF
566.40	-46.16	568.25	.000	LF +OF
566.50	-46.16	568.25	.000	LF +OF
566.60	-46.16	568.25	.000	LF +OF
566.70	-46.16	568.25	.000	LF +OF
566.75	-46.09	568.25	.000	LF +OF
566.80	-45.94	568.25	.000	LF +OF
566.90	-45.40	568.25	.000	LF +OF
567.00	-44.54	568.25	.000	LF +OF
567.10	-43.30	568.25	.000	LF +OF
567.20	-41.72	568.25	.000	LF +OF
567.25	-40.82	568.25	.000	LF +OF
567.30	-39.77	568.25	.000	LF +OF
567.40	-37.62	568.25	.000	LF +OF
567.50	-35.33	568.25	.000	LF +OF
567.60	-32.90	568.25	.000	LF +OF
567.70	-30.28	568.25	.000	LF +OF
567.75	-28.85	568.25	.000	LF +OF
567.80	-27.37	568.25	.000	LF +OF
567.90	-24.13	568.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	-20.41	568.25	.000	LF +OF
568.10	-15.83	568.25	.000	LF +OF
568.20	-9.16	568.25	.000	LF +OF
568.25	.00	568.25	.000	LF
568.30	9.04	568.25	.000	LF
568.40	15.84	568.25	.000	LF
568.50	20.41	568.25	.000	LF
568.60	24.12	568.25	.000	LF
568.70	27.40	568.25	.000	LF
568.75	28.88	568.25	.000	LF
568.80	30.25	568.25	.000	LF
568.90	32.92	568.25	.000	LF
569.00	35.36	568.25	.000	LF
569.10	37.64	568.25	.000	LF
569.20	39.79	568.25	.000	LF
569.25	40.81	568.25	.000	LF
569.30	41.83	568.25	.000	LF
569.40	43.77	568.25	.000	LF
569.50	45.62	568.25	.000	LF
569.60	47.41	568.25	.000	LF
569.70	49.15	568.25	.000	LF
569.75	50.00	568.25	.000	LF
569.80	50.82	568.25	.000	LF
569.90	52.44	568.25	.000	LF
570.00	53.99	568.25	.000	LF
570.10	55.51	568.25	.000	LF
570.20	56.98	568.25	.000	LF
570.30	58.49	568.25	.000	LF +OF
570.40	60.02	568.25	.000	LF +OF
570.50	61.61	568.25	.000	LF +OF
570.60	63.15	568.25	.000	LF +OF
570.70	64.76	568.25	.000	LF +OF
570.80	66.41	568.25	.000	LF +OF
570.90	68.06	568.25	.000	LF +OF
571.00	69.70	568.25	.000	LF +OF
571.10	71.42	568.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	73.23	568.25	.000	LF +OF
571.30	75.04	568.25	.000	LF +OF
571.40	76.86	568.25	.000	LF +OF
571.50	78.56	568.25	.000	LF +OF
571.60	80.60	568.25	.000	LF +OF
571.70	82.35	568.25	.000	LF +OF
571.80	84.30	568.25	.000	LF +OF
571.90	86.17	568.25	.000	LF +OF
572.00	88.08	568.25	.000	LF +OF
572.10	89.90	568.25	.000	LF +OF
572.20	91.89	568.25	.000	LF +OF
572.30	93.72	568.25	.000	LF +OF
572.40	95.58	568.25	.000	LF +OF
572.50	97.56	568.25	.000	LF +OF
572.60	99.39	568.25	.000	LF +OF
572.70	101.26	568.25	.000	LF +OF
572.80	103.16	568.25	.000	LF +OF
572.90	105.07	568.25	.000	LF +OF
573.00	106.72	568.25	.000	LF +OF
573.10	108.60	568.25	.000	LF +OF
573.20	110.41	568.25	.000	LF +OF
573.30	112.13	568.25	.000	LF +OF
573.40	113.86	568.25	.000	LF +OF
573.50	115.58	568.25	.000	LF +OF
573.60	117.24	568.25	.000	LF +OF
573.70	118.90	568.25	.000	LF +OF
573.80	120.56	568.25	.000	LF +OF
573.90	122.17	568.25	.000	LF +OF
574.00	123.66	568.25	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-49.73	568.50	.000	LF +OF
565.10	-49.73	568.50	.000	LF +OF
565.20	-49.73	568.50	.000	LF +OF
565.25	-49.73	568.50	.000	LF +OF
565.30	-49.73	568.50	.000	LF +OF
565.40	-49.73	568.50	.000	LF +OF
565.50	-49.73	568.50	.000	LF +OF
565.60	-49.73	568.50	.000	LF +OF
565.70	-49.73	568.50	.000	LF +OF
565.75	-49.73	568.50	.000	LF +OF
565.80	-49.73	568.50	.000	LF +OF
565.90	-49.73	568.50	.000	LF +OF
566.00	-49.73	568.50	.000	LF +OF
566.10	-49.73	568.50	.000	LF +OF
566.20	-49.73	568.50	.000	LF +OF
566.25	-49.73	568.50	.000	LF +OF
566.30	-49.73	568.50	.000	LF +OF
566.40	-49.73	568.50	.000	LF +OF
566.50	-49.73	568.50	.000	LF +OF
566.60	-49.73	568.50	.000	LF +OF
566.70	-49.73	568.50	.000	LF +OF
566.75	-49.73	568.50	.000	LF +OF
566.80	-49.71	568.50	.000	LF +OF
566.90	-49.38	568.50	.000	LF +OF
567.00	-48.76	568.50	.000	LF +OF
567.10	-47.76	568.50	.000	LF +OF
567.20	-46.44	568.50	.000	LF +OF
567.25	-45.63	568.50	.000	LF +OF
567.30	-44.73	568.50	.000	LF +OF
567.40	-42.82	568.50	.000	LF +OF
567.50	-40.82	568.50	.000	LF +OF
567.60	-38.72	568.50	.000	LF +OF
567.70	-36.53	568.50	.000	LF +OF
567.75	-35.33	568.50	.000	LF +OF
567.80	-34.14	568.50	.000	LF +OF
567.90	-31.61	568.50	.000	LF +OF

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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	-28.85	568.50	.000	LF +OF
568.10	-25.84	568.50	.000	LF +OF
568.20	-22.36	568.50	.000	LF +OF
568.25	-20.41	568.50	.000	LF +OF
568.30	-18.22	568.50	.000	LF +OF
568.40	-12.97	568.50	.000	LF +OF
568.50	.00	568.50	.000	LF
568.60	12.91	568.50	.000	LF
568.70	18.22	568.50	.000	LF
568.75	20.38	568.50	.000	LF
568.80	22.37	568.50	.000	LF
568.90	25.82	568.50	.000	LF
569.00	28.89	568.50	.000	LF
569.10	31.63	568.50	.000	LF
569.20	34.16	568.50	.000	LF
569.25	35.35	568.50	.000	LF
569.30	36.51	568.50	.000	LF
569.40	38.71	568.50	.000	LF
569.50	40.81	568.50	.000	LF
569.60	42.79	568.50	.000	LF
569.70	44.72	568.50	.000	LF
569.75	45.62	568.50	.000	LF
569.80	46.53	568.50	.000	LF
569.90	48.28	568.50	.000	LF
570.00	50.00	568.50	.000	LF
570.10	51.62	568.50	.000	LF
570.20	53.23	568.50	.000	LF
570.30	54.80	568.50	.000	LF +OF
570.40	56.44	568.50	.000	LF +OF
570.50	58.09	568.50	.000	LF +OF
570.60	59.72	568.50	.000	LF +OF
570.70	61.42	568.50	.000	LF +OF
570.80	63.13	568.50	.000	LF +OF
570.90	64.84	568.50	.000	LF +OF
571.00	66.54	568.50	.000	LF +OF
571.10	68.32	568.50	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	70.19	568.50	.000	LF +OF
571.30	72.06	568.50	.000	LF +OF
571.40	73.93	568.50	.000	LF +OF
571.50	75.67	568.50	.000	LF +OF
571.60	77.77	568.50	.000	LF +OF
571.70	79.57	568.50	.000	LF +OF
571.80	81.55	568.50	.000	LF +OF
571.90	83.44	568.50	.000	LF +OF
572.00	85.41	568.50	.000	LF +OF
572.10	87.26	568.50	.000	LF +OF
572.20	89.28	568.50	.000	LF +OF
572.30	91.14	568.50	.000	LF +OF
572.40	93.04	568.50	.000	LF +OF
572.50	95.04	568.50	.000	LF +OF
572.60	96.92	568.50	.000	LF +OF
572.70	98.81	568.50	.000	LF +OF
572.80	100.74	568.50	.000	LF +OF
572.90	102.67	568.50	.000	LF +OF
573.00	104.35	568.50	.000	LF +OF
573.10	106.25	568.50	.000	LF +OF
573.20	108.09	568.50	.000	LF +OF
573.30	109.82	568.50	.000	LF +OF
573.40	111.59	568.50	.000	LF +OF
573.50	113.34	568.50	.000	LF +OF
573.60	115.01	568.50	.000	LF +OF
573.70	116.68	568.50	.000	LF +OF
573.80	118.35	568.50	.000	LF +OF
573.90	120.00	568.50	.000	LF +OF
574.00	121.50	568.50	.000	LF +OF

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-53.29	568.75	.000	LF +OF
565.10	-53.29	568.75	.000	LF +OF
565.20	-53.29	568.75	.000	LF +OF
565.25	-53.29	568.75	.000	LF +OF
565.30	-53.29	568.75	.000	LF +OF
565.40	-53.29	568.75	.000	LF +OF
565.50	-53.29	568.75	.000	LF +OF
565.60	-53.29	568.75	.000	LF +OF
565.70	-53.29	568.75	.000	LF +OF
565.75	-53.29	568.75	.000	LF +OF
565.80	-53.29	568.75	.000	LF +OF
565.90	-53.29	568.75	.000	LF +OF
566.00	-53.29	568.75	.000	LF +OF
566.10	-53.29	568.75	.000	LF +OF
566.20	-53.29	568.75	.000	LF +OF
566.25	-53.29	568.75	.000	LF +OF
566.30	-53.29	568.75	.000	LF +OF
566.40	-53.29	568.75	.000	LF +OF
566.50	-53.29	568.75	.000	LF +OF
566.60	-53.29	568.75	.000	LF +OF
566.70	-53.29	568.75	.000	LF +OF
566.75	-53.29	568.75	.000	LF +OF
566.80	-53.29	568.75	.000	LF +OF
566.90	-53.14	568.75	.000	LF +OF
567.00	-52.64	568.75	.000	LF +OF
567.10	-51.86	568.75	.000	LF +OF
567.20	-50.71	568.75	.000	LF +OF
567.25	-49.97	568.75	.000	LF +OF
567.30	-49.16	568.75	.000	LF +OF
567.40	-47.42	568.75	.000	LF +OF
567.50	-45.63	568.75	.000	LF +OF
567.60	-43.77	568.75	.000	LF +OF
567.70	-41.82	568.75	.000	LF +OF
567.75	-40.82	568.75	.000	LF +OF
567.80	-39.77	568.75	.000	LF +OF
567.90	-37.62	568.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	-35.33	568.75	.000	LF +OF
568.10	-32.90	568.75	.000	LF +OF
568.20	-30.28	568.75	.000	LF +OF
568.25	-28.85	568.75	.000	LF +OF
568.30	-27.37	568.75	.000	LF +OF
568.40	-24.13	568.75	.000	LF +OF
568.50	-20.41	568.75	.000	LF +OF
568.60	-15.83	568.75	.000	LF +OF
568.70	-9.16	568.75	.000	LF +OF
568.75	.00	568.75	.000	LF
568.80	9.19	568.75	.000	LF
568.90	15.83	568.75	.000	LF
569.00	20.40	568.75	.000	LF
569.10	24.16	568.75	.000	LF
569.20	27.40	568.75	.000	LF
569.25	28.88	568.75	.000	LF
569.30	30.27	568.75	.000	LF
569.40	32.92	568.75	.000	LF
569.50	35.37	568.75	.000	LF
569.60	37.64	568.75	.000	LF
569.70	39.80	568.75	.000	LF
569.75	40.81	568.75	.000	LF
569.80	41.84	568.75	.000	LF
569.90	43.76	568.75	.000	LF
570.00	45.63	568.75	.000	LF
570.10	47.42	568.75	.000	LF
570.20	49.14	568.75	.000	LF
570.30	50.85	568.75	.000	LF +OF
570.40	52.60	568.75	.000	LF +OF
570.50	54.38	568.75	.000	LF +OF
570.60	56.09	568.75	.000	LF +OF
570.70	57.89	568.75	.000	LF +OF
570.80	59.68	568.75	.000	LF +OF
570.90	61.47	568.75	.000	LF +OF
571.00	63.25	568.75	.000	LF +OF
571.10	65.09	568.75	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	67.01	568.75	.000	LF +OF
571.30	68.92	568.75	.000	LF +OF
571.40	70.85	568.75	.000	LF +OF
571.50	72.66	568.75	.000	LF +OF
571.60	74.80	568.75	.000	LF +OF
571.70	76.64	568.75	.000	LF +OF
571.80	78.67	568.75	.000	LF +OF
571.90	80.64	568.75	.000	LF +OF
572.00	82.63	568.75	.000	LF +OF
572.10	84.51	568.75	.000	LF +OF
572.20	86.60	568.75	.000	LF +OF
572.30	88.48	568.75	.000	LF +OF
572.40	90.40	568.75	.000	LF +OF
572.50	92.45	568.75	.000	LF +OF
572.60	94.35	568.75	.000	LF +OF
572.70	96.28	568.75	.000	LF +OF
572.80	98.25	568.75	.000	LF +OF
572.90	100.21	568.75	.000	LF +OF
573.00	101.91	568.75	.000	LF +OF
573.10	103.83	568.75	.000	LF +OF
573.20	105.71	568.75	.000	LF +OF
573.30	107.47	568.75	.000	LF +OF
573.40	109.26	568.75	.000	LF +OF
573.50	111.02	568.75	.000	LF +OF
573.60	112.72	568.75	.000	LF +OF
573.70	114.42	568.75	.000	LF +OF
573.80	116.12	568.75	.000	LF +OF
573.90	117.78	568.75	.000	LF +OF
574.00	119.30	568.75	.000	LF +OF

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-56.62	569.00	.000	LF +OF
565.10	-56.62	569.00	.000	LF +OF
565.20	-56.62	569.00	.000	LF +OF
565.25	-56.62	569.00	.000	LF +OF
565.30	-56.62	569.00	.000	LF +OF
565.40	-56.62	569.00	.000	LF +OF
565.50	-56.62	569.00	.000	LF +OF
565.60	-56.62	569.00	.000	LF +OF
565.70	-56.62	569.00	.000	LF +OF
565.75	-56.62	569.00	.000	LF +OF
565.80	-56.62	569.00	.000	LF +OF
565.90	-56.62	569.00	.000	LF +OF
566.00	-56.62	569.00	.000	LF +OF
566.10	-56.62	569.00	.000	LF +OF
566.20	-56.62	569.00	.000	LF +OF
566.25	-56.62	569.00	.000	LF +OF
566.30	-56.62	569.00	.000	LF +OF
566.40	-56.62	569.00	.000	LF +OF
566.50	-56.62	569.00	.000	LF +OF
566.60	-56.62	569.00	.000	LF +OF
566.70	-56.62	569.00	.000	LF +OF
566.75	-56.62	569.00	.000	LF +OF
566.80	-56.62	569.00	.000	LF +OF
566.90	-56.58	569.00	.000	LF +OF
567.00	-56.27	569.00	.000	LF +OF
567.10	-55.60	569.00	.000	LF +OF
567.20	-54.62	569.00	.000	LF +OF
567.25	-54.00	569.00	.000	LF +OF
567.30	-53.22	569.00	.000	LF +OF
567.40	-51.64	569.00	.000	LF +OF
567.50	-49.97	569.00	.000	LF +OF
567.60	-48.30	569.00	.000	LF +OF
567.70	-46.54	569.00	.000	LF +OF
567.75	-45.63	569.00	.000	LF +OF
567.80	-44.73	569.00	.000	LF +OF
567.90	-42.82	569.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	-40.82	569.00	.000	LF +OF
568.10	-38.72	569.00	.000	LF +OF
568.20	-36.53	569.00	.000	LF +OF
568.25	-35.33	569.00	.000	LF +OF
568.30	-34.14	569.00	.000	LF +OF
568.40	-31.61	569.00	.000	LF +OF
568.50	-28.85	569.00	.000	LF +OF
568.60	-25.84	569.00	.000	LF +OF
568.70	-22.36	569.00	.000	LF +OF
568.75	-20.41	569.00	.000	LF +OF
568.80	-18.22	569.00	.000	LF +OF
568.90	-12.97	569.00	.000	LF +OF
569.00	.00	569.00	.000	LF
569.10	12.85	569.00	.000	LF
569.20	18.22	569.00	.000	LF
569.25	20.41	569.00	.000	LF
569.30	22.33	569.00	.000	LF
569.40	25.83	569.00	.000	LF
569.50	28.83	569.00	.000	LF
569.60	31.61	569.00	.000	LF
569.70	34.13	569.00	.000	LF
569.75	35.34	569.00	.000	LF
569.80	36.52	569.00	.000	LF
569.90	38.72	569.00	.000	LF
570.00	40.83	569.00	.000	LF
570.10	42.81	569.00	.000	LF
570.20	44.71	569.00	.000	LF
570.30	46.58	569.00	.000	LF +OF
570.40	48.48	569.00	.000	LF +OF
570.50	50.36	569.00	.000	LF +OF
570.60	52.20	569.00	.000	LF +OF
570.70	54.10	569.00	.000	LF +OF
570.80	55.99	569.00	.000	LF +OF
570.90	57.87	569.00	.000	LF +OF
571.00	59.75	569.00	.000	LF +OF
571.10	61.66	569.00	.000	LF +OF

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Name.... Outlet 3

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	63.67	569.00	.000	LF +OF
571.30	65.66	569.00	.000	LF +OF
571.40	67.66	569.00	.000	LF +OF
571.50	69.50	569.00	.000	LF +OF
571.60	71.71	569.00	.000	LF +OF
571.70	73.62	569.00	.000	LF +OF
571.80	75.69	569.00	.000	LF +OF
571.90	77.68	569.00	.000	LF +OF
572.00	79.73	569.00	.000	LF +OF
572.10	81.68	569.00	.000	LF +OF
572.20	83.79	569.00	.000	LF +OF
572.30	85.73	569.00	.000	LF +OF
572.40	87.69	569.00	.000	LF +OF
572.50	89.77	569.00	.000	LF +OF
572.60	91.71	569.00	.000	LF +OF
572.70	93.67	569.00	.000	LF +OF
572.80	95.67	569.00	.000	LF +OF
572.90	97.66	569.00	.000	LF +OF
573.00	99.40	569.00	.000	LF +OF
573.10	101.35	569.00	.000	LF +OF
573.20	103.25	569.00	.000	LF +OF
573.30	105.04	569.00	.000	LF +OF
573.40	106.86	569.00	.000	LF +OF
573.50	108.65	569.00	.000	LF +OF
573.60	110.37	569.00	.000	LF +OF
573.70	112.10	569.00	.000	LF +OF
573.80	113.83	569.00	.000	LF +OF
573.90	115.50	569.00	.000	LF +OF
574.00	117.05	569.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-59.84	569.25	.000	LF +OF
565.10	-59.84	569.25	.000	LF +OF
565.20	-59.84	569.25	.000	LF +OF
565.25	-59.84	569.25	.000	LF +OF
565.30	-59.84	569.25	.000	LF +OF
565.40	-59.84	569.25	.000	LF +OF
565.50	-59.84	569.25	.000	LF +OF
565.60	-59.84	569.25	.000	LF +OF
565.70	-59.84	569.25	.000	LF +OF
565.75	-59.84	569.25	.000	LF +OF
565.80	-59.84	569.25	.000	LF +OF
565.90	-59.84	569.25	.000	LF +OF
566.00	-59.84	569.25	.000	LF +OF
566.10	-59.84	569.25	.000	LF +OF
566.20	-59.84	569.25	.000	LF +OF
566.25	-59.84	569.25	.000	LF +OF
566.30	-59.84	569.25	.000	LF +OF
566.40	-59.84	569.25	.000	LF +OF
566.50	-59.84	569.25	.000	LF +OF
566.60	-59.84	569.25	.000	LF +OF
566.70	-59.84	569.25	.000	LF +OF
566.75	-59.84	569.25	.000	LF +OF
566.80	-59.84	569.25	.000	LF +OF
566.90	-59.84	569.25	.000	LF +OF
567.00	-59.65	569.25	.000	LF +OF
567.10	-59.18	569.25	.000	LF +OF
567.20	-58.29	569.25	.000	LF +OF
567.25	-57.72	569.25	.000	LF +OF
567.30	-56.98	569.25	.000	LF +OF
567.40	-55.50	569.25	.000	LF +OF
567.50	-54.00	569.25	.000	LF +OF
567.60	-52.43	569.25	.000	LF +OF
567.70	-50.83	569.25	.000	LF +OF
567.75	-49.97	569.25	.000	LF +OF
567.80	-49.16	569.25	.000	LF +OF
567.90	-47.42	569.25	.000	LF +OF

S/N:
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***** COMPOSITE OUTFLOW SUMMARY ****

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	-45.63	569.25	.000	LF +OF
568.10	-43.77	569.25	.000	LF +OF
568.20	-41.82	569.25	.000	LF +OF
568.25	-40.82	569.25	.000	LF +OF
568.30	-39.77	569.25	.000	LF +OF
568.40	-37.62	569.25	.000	LF +OF
568.50	-35.33	569.25	.000	LF +OF
568.60	-32.90	569.25	.000	LF +OF
568.70	-30.28	569.25	.000	LF +OF
568.75	-28.85	569.25	.000	LF +OF
568.80	-27.37	569.25	.000	LF +OF
568.90	-24.13	569.25	.000	LF +OF
569.00	-20.41	569.25	.000	LF +OF
569.10	-15.83	569.25	.000	LF +OF
569.20	-9.16	569.25	.000	LF +OF
569.25	.00	569.25	.000	LF
569.30	9.14	569.25	.000	LF
569.40	15.79	569.25	.000	LF
569.50	20.42	569.25	.000	LF
569.60	24.13	569.25	.000	LF
569.70	27.39	569.25	.000	LF
569.75	28.85	569.25	.000	LF
569.80	30.26	569.25	.000	LF
569.90	32.92	569.25	.000	LF
570.00	35.35	569.25	.000	LF
570.10	37.62	569.25	.000	LF
570.20	39.78	569.25	.000	LF
570.30	41.88	569.25	.000	LF +OF
570.40	43.94	569.25	.000	LF +OF
570.50	46.02	569.25	.000	LF +OF
570.60	48.00	569.25	.000	LF +OF
570.70	50.03	569.25	.000	LF +OF
570.80	52.05	569.25	.000	LF +OF
570.90	54.05	569.25	.000	LF +OF
571.00	56.01	569.25	.000	LF +OF
571.10	58.03	569.25	.000	LF +OF

S/N:
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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	60.11	569.25	.000	LF +OF
571.30	62.19	569.25	.000	LF +OF
571.40	64.27	569.25	.000	LF +OF
571.50	66.20	569.25	.000	LF +OF
571.60	68.47	569.25	.000	LF +OF
571.70	70.42	569.25	.000	LF +OF
571.80	72.57	569.25	.000	LF +OF
571.90	74.63	569.25	.000	LF +OF
572.00	76.71	569.25	.000	LF +OF
572.10	78.72	569.25	.000	LF +OF
572.20	80.89	569.25	.000	LF +OF
572.30	82.85	569.25	.000	LF +OF
572.40	84.88	569.25	.000	LF +OF
572.50	86.99	569.25	.000	LF +OF
572.60	88.97	569.25	.000	LF +OF
572.70	90.96	569.25	.000	LF +OF
572.80	93.01	569.25	.000	LF +OF
572.90	95.05	569.25	.000	LF +OF
573.00	96.81	569.25	.000	LF +OF
573.10	98.80	569.25	.000	LF +OF
573.20	100.73	569.25	.000	LF +OF
573.30	102.55	569.25	.000	LF +OF
573.40	104.39	569.25	.000	LF +OF
573.50	106.20	569.25	.000	LF +OF
573.60	107.95	569.25	.000	LF +OF
573.70	109.70	569.25	.000	LF +OF
573.80	111.46	569.25	.000	LF +OF
573.90	113.16	569.25	.000	LF +OF
574.00	114.74	569.25	.000	LF +OF

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-62.97	569.50	.000	LF +OF
565.10	-62.97	569.50	.000	LF +OF
565.20	-62.97	569.50	.000	LF +OF
565.25	-62.97	569.50	.000	LF +OF
565.30	-62.97	569.50	.000	LF +OF
565.40	-62.97	569.50	.000	LF +OF
565.50	-62.97	569.50	.000	LF +OF
565.60	-62.97	569.50	.000	LF +OF
565.70	-62.97	569.50	.000	LF +OF
565.75	-62.97	569.50	.000	LF +OF
565.80	-62.97	569.50	.000	LF +OF
565.90	-62.97	569.50	.000	LF +OF
566.00	-62.97	569.50	.000	LF +OF
566.10	-62.97	569.50	.000	LF +OF
566.20	-62.97	569.50	.000	LF +OF
566.25	-62.97	569.50	.000	LF +OF
566.30	-62.97	569.50	.000	LF +OF
566.40	-62.97	569.50	.000	LF +OF
566.50	-62.97	569.50	.000	LF +OF
566.60	-62.97	569.50	.000	LF +OF
566.70	-62.97	569.50	.000	LF +OF
566.75	-62.97	569.50	.000	LF +OF
566.80	-62.97	569.50	.000	LF +OF
566.90	-62.97	569.50	.000	LF +OF
567.00	-62.90	569.50	.000	LF +OF
567.10	-62.47	569.50	.000	LF +OF
567.20	-61.75	569.50	.000	LF +OF
567.25	-61.23	569.50	.000	LF +OF
567.30	-60.53	569.50	.000	LF +OF
567.40	-59.15	569.50	.000	LF +OF
567.50	-57.72	569.50	.000	LF +OF
567.60	-56.27	569.50	.000	LF +OF
567.70	-54.77	569.50	.000	LF +OF
567.75	-54.00	569.50	.000	LF +OF
567.80	-53.22	569.50	.000	LF +OF
567.90	-51.64	569.50	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	-49.97	569.50	.000	LF +OF
568.10	-48.30	569.50	.000	LF +OF
568.20	-46.54	569.50	.000	LF +OF
568.25	-45.63	569.50	.000	LF +OF
568.30	-44.73	569.50	.000	LF +OF
568.40	-42.82	569.50	.000	LF +OF
568.50	-40.82	569.50	.000	LF +OF
568.60	-38.72	569.50	.000	LF +OF
568.70	-36.53	569.50	.000	LF +OF
568.75	-35.33	569.50	.000	LF +OF
568.80	-34.14	569.50	.000	LF +OF
568.90	-31.61	569.50	.000	LF +OF
569.00	-28.85	569.50	.000	LF +OF
569.10	-25.84	569.50	.000	LF +OF
569.20	-22.36	569.50	.000	LF +OF
569.25	-20.41	569.50	.000	LF +OF
569.30	-18.22	569.50	.000	LF +OF
569.40	-12.97	569.50	.000	LF +OF
569.50	.00	569.50	.000	LF
569.60	12.90	569.50	.000	LF
569.70	18.23	569.50	.000	LF
569.75	20.41	569.50	.000	LF
569.80	22.38	569.50	.000	LF
569.90	25.84	569.50	.000	LF
570.00	28.85	569.50	.000	LF
570.10	31.61	569.50	.000	LF
570.20	34.15	569.50	.000	LF
570.30	36.55	569.50	.000	LF +OF
570.40	38.88	569.50	.000	LF +OF
570.50	41.20	569.50	.000	LF +OF
570.60	43.39	569.50	.000	LF +OF
570.70	45.61	569.50	.000	LF +OF
570.80	47.77	569.50	.000	LF +OF
570.90	49.90	569.50	.000	LF +OF
571.00	52.01	569.50	.000	LF +OF
571.10	54.14	569.50	.000	LF +OF

S/N:
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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	56.35	569.50	.000	LF +OF
571.30	58.52	569.50	.000	LF +OF
571.40	60.68	569.50	.000	LF +OF
571.50	62.70	569.50	.000	LF +OF
571.60	65.03	569.50	.000	LF +OF
571.70	67.08	569.50	.000	LF +OF
571.80	69.29	569.50	.000	LF +OF
571.90	71.42	569.50	.000	LF +OF
572.00	73.58	569.50	.000	LF +OF
572.10	75.63	569.50	.000	LF +OF
572.20	77.85	569.50	.000	LF +OF
572.30	79.87	569.50	.000	LF +OF
572.40	81.95	569.50	.000	LF +OF
572.50	84.11	569.50	.000	LF +OF
572.60	86.12	569.50	.000	LF +OF
572.70	88.17	569.50	.000	LF +OF
572.80	90.26	569.50	.000	LF +OF
572.90	92.32	569.50	.000	LF +OF
573.00	94.12	569.50	.000	LF +OF
573.10	96.15	569.50	.000	LF +OF
573.20	98.11	569.50	.000	LF +OF
573.30	99.98	569.50	.000	LF +OF
573.40	101.85	569.50	.000	LF +OF
573.50	103.70	569.50	.000	LF +OF
573.60	105.48	569.50	.000	LF +OF
573.70	107.25	569.50	.000	LF +OF
573.80	109.04	569.50	.000	LF +OF
573.90	110.77	569.50	.000	LF +OF
574.00	112.37	569.50	.000	LF +OF

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-65.97	569.75	.000	LF +OF
565.10	-65.97	569.75	.000	LF +OF
565.20	-65.97	569.75	.000	LF +OF
565.25	-65.97	569.75	.000	LF +OF
565.30	-65.97	569.75	.000	LF +OF
565.40	-65.97	569.75	.000	LF +OF
565.50	-65.97	569.75	.000	LF +OF
565.60	-65.97	569.75	.000	LF +OF
565.70	-65.97	569.75	.000	LF +OF
565.75	-65.97	569.75	.000	LF +OF
565.80	-65.97	569.75	.000	LF +OF
565.90	-65.97	569.75	.000	LF +OF
566.00	-65.97	569.75	.000	LF +OF
566.10	-65.97	569.75	.000	LF +OF
566.20	-65.97	569.75	.000	LF +OF
566.25	-65.97	569.75	.000	LF +OF
566.30	-65.97	569.75	.000	LF +OF
566.40	-65.97	569.75	.000	LF +OF
566.50	-65.97	569.75	.000	LF +OF
566.60	-65.97	569.75	.000	LF +OF
566.70	-65.97	569.75	.000	LF +OF
566.75	-65.97	569.75	.000	LF +OF
566.80	-65.97	569.75	.000	LF +OF
566.90	-65.97	569.75	.000	LF +OF
567.00	-65.95	569.75	.000	LF +OF
567.10	-65.66	569.75	.000	LF +OF
567.20	-65.02	569.75	.000	LF +OF
567.25	-64.54	569.75	.000	LF +OF
567.30	-63.90	569.75	.000	LF +OF
567.40	-62.56	569.75	.000	LF +OF
567.50	-61.23	569.75	.000	LF +OF
567.60	-59.84	569.75	.000	LF +OF
567.70	-58.44	569.75	.000	LF +OF
567.75	-57.72	569.75	.000	LF +OF
567.80	-56.98	569.75	.000	LF +OF
567.90	-55.50	569.75	.000	LF +OF

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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	-54.00	569.75	.000	LF +OF
568.10	-52.43	569.75	.000	LF +OF
568.20	-50.83	569.75	.000	LF +OF
568.25	-49.97	569.75	.000	LF +OF
568.30	-49.16	569.75	.000	LF +OF
568.40	-47.42	569.75	.000	LF +OF
568.50	-45.63	569.75	.000	LF +OF
568.60	-43.77	569.75	.000	LF +OF
568.70	-41.82	569.75	.000	LF +OF
568.75	-40.82	569.75	.000	LF +OF
568.80	-39.77	569.75	.000	LF +OF
568.90	-37.62	569.75	.000	LF +OF
569.00	-35.33	569.75	.000	LF +OF
569.10	-32.90	569.75	.000	LF +OF
569.20	-30.28	569.75	.000	LF +OF
569.25	-28.85	569.75	.000	LF +OF
569.30	-27.37	569.75	.000	LF +OF
569.40	-24.13	569.75	.000	LF +OF
569.50	-20.41	569.75	.000	LF +OF
569.60	-15.83	569.75	.000	LF +OF
569.70	-9.16	569.75	.000	LF +OF
569.75	.00	569.75	.000	LF
569.80	9.14	569.75	.000	LF
569.90	15.84	569.75	.000	LF
570.00	20.37	569.75	.000	LF
570.10	24.12	569.75	.000	LF
570.20	27.39	569.75	.000	LF
570.30	30.33	569.75	.000	LF +OF
570.40	33.10	569.75	.000	LF +OF
570.50	35.73	569.75	.000	LF +OF
570.60	38.20	569.75	.000	LF +OF
570.70	40.67	569.75	.000	LF +OF
570.80	43.06	569.75	.000	LF +OF
570.90	45.39	569.75	.000	LF +OF
571.00	47.63	569.75	.000	LF +OF
571.10	49.94	569.75	.000	LF +OF

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File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	52.27	569.75	.000	LF +OF
571.30	54.57	569.75	.000	LF +OF
571.40	56.84	569.75	.000	LF +OF
571.50	58.96	569.75	.000	LF +OF
571.60	61.40	569.75	.000	LF +OF
571.70	63.53	569.75	.000	LF +OF
571.80	65.84	569.75	.000	LF +OF
571.90	68.03	569.75	.000	LF +OF
572.00	70.27	569.75	.000	LF +OF
572.10	72.37	569.75	.000	LF +OF
572.20	74.66	569.75	.000	LF +OF
572.30	76.76	569.75	.000	LF +OF
572.40	78.88	569.75	.000	LF +OF
572.50	81.10	569.75	.000	LF +OF
572.60	83.17	569.75	.000	LF +OF
572.70	85.26	569.75	.000	LF +OF
572.80	87.39	569.75	.000	LF +OF
572.90	89.49	569.75	.000	LF +OF
573.00	91.35	569.75	.000	LF +OF
573.10	93.41	569.75	.000	LF +OF
573.20	95.41	569.75	.000	LF +OF
573.30	97.32	569.75	.000	LF +OF
573.40	99.22	569.75	.000	LF +OF
573.50	101.11	569.75	.000	LF +OF
573.60	102.91	569.75	.000	LF +OF
573.70	104.73	569.75	.000	LF +OF
573.80	106.54	569.75	.000	LF +OF
573.90	108.29	569.75	.000	LF +OF
574.00	109.93	569.75	.000	LF +OF

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
565.00	-68.86	570.00	.000	LF +OF
565.10	-68.86	570.00	.000	LF +OF
565.20	-68.86	570.00	.000	LF +OF
565.25	-68.86	570.00	.000	LF +OF
565.30	-68.86	570.00	.000	LF +OF
565.40	-68.86	570.00	.000	LF +OF
565.50	-68.86	570.00	.000	LF +OF
565.60	-68.86	570.00	.000	LF +OF
565.70	-68.86	570.00	.000	LF +OF
565.75	-68.86	570.00	.000	LF +OF
565.80	-68.86	570.00	.000	LF +OF
565.90	-68.86	570.00	.000	LF +OF
566.00	-68.86	570.00	.000	LF +OF
566.10	-68.86	570.00	.000	LF +OF
566.20	-68.86	570.00	.000	LF +OF
566.25	-68.86	570.00	.000	LF +OF
566.30	-68.86	570.00	.000	LF +OF
566.40	-68.86	570.00	.000	LF +OF
566.50	-68.86	570.00	.000	LF +OF
566.60	-68.86	570.00	.000	LF +OF
566.70	-68.86	570.00	.000	LF +OF
566.75	-68.86	570.00	.000	LF +OF
566.80	-68.86	570.00	.000	LF +OF
566.90	-68.86	570.00	.000	LF +OF
567.00	-68.86	570.00	.000	LF +OF
567.10	-68.71	570.00	.000	LF +OF
567.20	-68.12	570.00	.000	LF +OF
567.25	-67.69	570.00	.000	LF +OF
567.30	-67.07	570.00	.000	LF +OF
567.40	-65.80	570.00	.000	LF +OF
567.50	-64.54	570.00	.000	LF +OF
567.60	-63.23	570.00	.000	LF +OF
567.70	-61.89	570.00	.000	LF +OF
567.75	-61.23	570.00	.000	LF +OF
567.80	-60.53	570.00	.000	LF +OF
567.90	-59.15	570.00	.000	LF +OF

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
568.00	-57.72	570.00	.000	LF +OF
568.10	-56.27	570.00	.000	LF +OF
568.20	-54.77	570.00	.000	LF +OF
568.25	-54.00	570.00	.000	LF +OF
568.30	-53.22	570.00	.000	LF +OF
568.40	-51.64	570.00	.000	LF +OF
568.50	-49.97	570.00	.000	LF +OF
568.60	-48.30	570.00	.000	LF +OF
568.70	-46.54	570.00	.000	LF +OF
568.75	-45.63	570.00	.000	LF +OF
568.80	-44.73	570.00	.000	LF +OF
568.90	-42.82	570.00	.000	LF +OF
569.00	-40.82	570.00	.000	LF +OF
569.10	-38.72	570.00	.000	LF +OF
569.20	-36.53	570.00	.000	LF +OF
569.25	-35.33	570.00	.000	LF +OF
569.30	-34.14	570.00	.000	LF +OF
569.40	-31.61	570.00	.000	LF +OF
569.50	-28.85	570.00	.000	LF +OF
569.60	-25.84	570.00	.000	LF +OF
569.70	-22.36	570.00	.000	LF +OF
569.75	-20.41	570.00	.000	LF +OF
569.80	-18.22	570.00	.000	LF +OF
569.90	-12.97	570.00	.000	LF +OF
570.00	.00	570.00	.000	LF
570.10	12.84	570.00	.000	LF
570.20	18.28	570.00	.000	LF
570.30	22.38	570.00	.000	LF +OF
570.40	25.98	570.00	.000	LF +OF
570.50	29.22	570.00	.000	LF +OF
570.60	32.18	570.00	.000	LF +OF
570.70	35.01	570.00	.000	LF +OF
570.80	37.75	570.00	.000	LF +OF
570.90	40.34	570.00	.000	LF +OF
571.00	42.84	570.00	.000	LF +OF
571.10	45.33	570.00	.000	LF +OF

S/N:
PondPack Ver: Compute Time: Date:

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

CUMULATIVE HGL CONVERGENCE ERROR .000 (+/- ft)

WS Elev, Total Q		Notes		
		Converge		
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
571.20	47.82	570.00	.000	LF +OF
571.30	50.29	570.00	.000	LF +OF
571.40	52.70	570.00	.000	LF +OF
571.50	54.97	570.00	.000	LF +OF
571.60	57.52	570.00	.000	LF +OF
571.70	59.77	570.00	.000	LF +OF
571.80	62.16	570.00	.000	LF +OF
571.90	64.45	570.00	.000	LF +OF
572.00	66.77	570.00	.000	LF +OF
572.10	68.97	570.00	.000	LF +OF
572.20	71.31	570.00	.000	LF +OF
572.30	73.48	570.00	.000	LF +OF
572.40	75.67	570.00	.000	LF +OF
572.50	77.93	570.00	.000	LF +OF
572.60	80.08	570.00	.000	LF +OF
572.70	82.22	570.00	.000	LF +OF
572.80	84.42	570.00	.000	LF +OF
572.90	86.58	570.00	.000	LF +OF
573.00	88.46	570.00	.000	LF +OF
573.10	90.56	570.00	.000	LF +OF
573.20	92.62	570.00	.000	LF +OF
573.30	94.55	570.00	.000	LF +OF
573.40	96.51	570.00	.000	LF +OF
573.50	98.43	570.00	.000	LF +OF
573.60	100.27	570.00	.000	LF +OF
573.70	102.11	570.00	.000	LF +OF
573.80	103.95	570.00	.000	LF +OF
573.90	105.75	570.00	.000	LF +OF
574.00	107.41	570.00	.000	LF +OF

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REQUESTED POND WS ELEVATIONS:

Min. Elev.= 563.50 ft
Increment = .10 ft
Max. Elev.= 570.00 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
Inlet Box	OF	--->	TW	569.000	570.000
Culvert-Circular	LF	--->	TW	563.500	570.000

TW SETUP, DS Channel

S/N:
PondPack Ver: Compute Time: Date:

OUTLET STRUCTURE INPUT DATA

Structure ID = OF
Structure Type = Inlet Box

# of Openings	=	1
Invert Elev.	=	569.00 ft
Orifice Area	=	36.0000 sq.ft
Orifice Coeff.	=	.600
Weir Length	=	24.00 ft
Weir Coeff.	=	3.000
K, Reverse	=	1.000
Mannings n	=	.0000
Kev,Charged Riser	=	.000
Weir Submergence	=	No
Orifice H to crest	=	Yes

OUTLET STRUCTURE INPUT DATA

Structure ID = LF
Structure Type = Culvert-Circular

No. Barrels	=	1
Barrel Diameter	=	48.00 in
Upstream Invert	=	563.50 ft
Dnstream Invert	=	563.40 ft
Horiz. Length	=	10.00 ft
Barrel Length	=	10.00 ft
Barrel Slope	=	.01000 ft/ft

OUTLET CONTROL DATA...

Mannings n	=	.0130
Ke	=	.7000 (forward entrance loss)
Kb	=	.004925 (per ft of full flow)
Kr	=	.7000 (reverse entrance loss)
HW Convergence	=	.001 +/- ft

INLET CONTROL DATA...

Equation form	=	1
Inlet Control K	=	.0045
Inlet Control M	=	2.0000
Inlet Control c	=	.03170
Inlet Control Y	=	.6900
T1 ratio (HW/D)	=	1.090
T2 ratio (HW/D)	=	1.192
Slope Factor	=	-.500

Use unsubmerged inlet control Form 1 equ. below T1 elev.
Use submerged inlet control Form 1 equ. above T2 elev.

In transition zone between unsubmerged and submerged inlet control, interpolate between flows at T1 & T2...
At T1 Elev = 567.86 ft ---> Flow = 87.96 cfs
At T2 Elev = 568.27 ft ---> Flow = 100.53 cfs

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

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
563.50	.00	Free Outfall		HW & TW < Inv.El.=569.000
563.60	.00	Free Outfall		HW & TW < Inv.El.=569.000
563.70	.00	Free Outfall		HW & TW < Inv.El.=569.000
563.80	.00	Free Outfall		HW & TW < Inv.El.=569.000
563.90	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.00	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.10	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.20	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.30	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.40	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.50	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.60	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.70	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.80	.00	Free Outfall		HW & TW < Inv.El.=569.000
564.90	.00	Free Outfall		HW & TW < Inv.El.=569.000
565.00	.00	Free Outfall		HW & TW < Inv.El.=569.000
565.10	.00	Free Outfall		

HW & TW < Inv.El.=569.000

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
565.20	.00	Free Outfall		HW & TW < Inv.El.=569.000
565.30	.00	Free Outfall		HW & TW < Inv.El.=569.000
565.40	.00	Free Outfall		HW & TW < Inv.El.=569.000
565.50	.00	Free Outfall		HW & TW < Inv.El.=569.000
565.60	.00	Free Outfall		HW & TW < Inv.El.=569.000
565.70	.00	Free Outfall		HW & TW < Inv.El.=569.000
565.80	.00	Free Outfall		HW & TW < Inv.El.=569.000
565.90	.00	Free Outfall		HW & TW < Inv.El.=569.000
566.00	.00	Free Outfall		HW & TW < Inv.El.=569.000
566.10	.00	Free Outfall		HW & TW < Inv.El.=569.000
566.20	.00	Free Outfall		HW & TW < Inv.El.=569.000
566.30	.00	Free Outfall		HW & TW < Inv.El.=569.000
566.40	.00	Free Outfall		HW & TW < Inv.El.=569.000
566.50	.00	Free Outfall		HW & TW < Inv.El.=569.000
566.60	.00	Free Outfall		HW & TW < Inv.El.=569.000
566.70	.00	Free Outfall		HW & TW < Inv.El.=569.000
566.80	.00	Free Outfall		

HW & TW < Inv.El.=569.000

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.90	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.00	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.10	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.20	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.30	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.40	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.50	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.60	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.70	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.80	.00	Free Outfall		HW & TW < Inv.El.=569.000
567.90	.00	Free Outfall		HW & TW < Inv.El.=569.000
568.00	.00	Free Outfall		HW & TW < Inv.El.=569.000
568.10	.00	Free Outfall		HW & TW < Inv.El.=569.000
568.20	.00	Free Outfall		HW & TW < Inv.El.=569.000
568.30	.00	Free Outfall		HW & TW < Inv.El.=569.000
568.40	.00	Free Outfall		HW & TW < Inv.El.=569.000
568.50	.00	Free Outfall		

HW & TW < Inv.El.=569.000

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Inlet Box)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
568.60	.00	Free Outfall		HW & TW < Inv.El.=569.000
568.70	.00	Free Outfall		HW & TW < Inv.El.=569.000
568.80	.00	Free Outfall		HW & TW < Inv.El.=569.000
568.90	.00	Free Outfall		HW & TW < Inv.El.=569.000
569.00	.00	Free Outfall		Weir: H =.00ft
569.10	2.28	Free Outfall		Weir: H =.10ft
569.20	6.44	Free Outfall		Weir: H =.20ft
569.30	11.83	Free Outfall		Weir: H =.30ft
569.40	18.22	Free Outfall		Weir: H =.40ft
569.50	25.46	Free Outfall		Weir: H =.50ft
569.60	33.46	Free Outfall		Weir: H =.60ft
569.70	42.17	Free Outfall		Weir: H =.70ft
569.80	51.52	Free Outfall		Weir: H =.80ft
569.90	61.48	Free Outfall		Weir: H =.90ft
570.00	72.00	Free Outfall		Weir: H =1.00ft

S/N:

PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 154.49 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
563.50	.00	Free Outfall		Upstream HW & DNstream TW < Inv.El
563.60	.08	Free Outfall		CRIT.DEPTH CONTROL Vh= .021ft Dcr= .062ft H.JUMP IN PIPE Hev= .00ft
563.70	.24	Free Outfall		CRIT.DEPTH CONTROL Vh= .042ft Dcr= .125ft H.JUMP IN PIPE Hev= .00ft
563.80	.46	Free Outfall		CRIT.DEPTH CONTROL Vh= .074ft Dcr= .219ft CRIT.DEPTH Hev= .00ft
563.90	.81	Free Outfall		CRIT.DEPTH CONTROL Vh= .090ft Dcr= .266ft CRIT.DEPTH Hev= .00ft
564.00	1.21	Free Outfall		CRIT.DEPTH CONTROL Vh= .111ft Dcr= .328ft CRIT.DEPTH Hev= .00ft
564.10	1.73	Free Outfall		CRIT.DEPTH CONTROL Vh= .133ft Dcr= .390ft CRIT.DEPTH Hev= .00ft
564.20	2.46	Free Outfall		CRIT.DEPTH CONTROL Vh= .149ft Dcr= .437ft CRIT.DEPTH Hev= .00ft
564.30	3.08	Free Outfall		CRIT.DEPTH CONTROL Vh= .177ft Dcr= .515ft CRIT.DEPTH Hev= .00ft
564.40	3.86	Free Outfall		CRIT.DEPTH CONTROL Vh= .196ft Dcr= .570ft CRIT.DEPTH Hev= .00ft
564.50	4.72	Free Outfall		CRIT.DEPTH CONTROL Vh= .219ft Dcr= .633ft CRIT.DEPTH Hev= .00ft

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   564.60      5.70   Free Outfall
                   CRIT.DEPTH CONTROL  Vh= .241ft  Dcr= .695ft
CRIT.DEPTH Hev= .00ft
   564.70      6.76   Free Outfall
                   CRIT.DEPTH CONTROL  Vh= .261ft  Dcr= .750ft
CRIT.DEPTH Hev= .00ft
   564.80      7.92   Free Outfall
                   CRIT.DEPTH CONTROL  Vh= .284ft  Dcr= .812ft
CRIT.DEPTH Hev= .00ft
   564.90      9.18   Free Outfall
                   CRIT.DEPTH CONTROL  Vh= .307ft  Dcr= .875ft
CRIT.DEPTH Hev= .00ft
   565.00     10.37   Free Outfall
                   CRIT.DEPTH CONTROL  Vh= .331ft  Dcr= .937ft
CRIT.DEPTH Hev= .00ft
   565.10     11.64   Free Outfall
                   CRIT.DEPTH CONTROL  Vh= .351ft  Dcr= .992ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 154.49 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
565.20	13.15	Free Outfall		CRIT.DEPTH CONTROL Vh= .378ft Dcr= 1.062ft CRIT.DEPTH Hev= .00ft
565.30	14.62	Free Outfall		CRIT.DEPTH CONTROL Vh= .403ft Dcr= 1.124ft CRIT.DEPTH Hev= .00ft
565.40	16.07	Free Outfall		CRIT.DEPTH CONTROL Vh= .424ft Dcr= 1.179ft CRIT.DEPTH Hev= .00ft
565.50	17.79	Free Outfall		CRIT.DEPTH CONTROL Vh= .447ft Dcr= 1.238ft CRIT.DEPTH Hev= .00ft
565.60	19.47	Free Outfall		CRIT.DEPTH CONTROL Vh= .471ft Dcr= 1.296ft CRIT.DEPTH Hev= .00ft
565.70	21.25	Free Outfall		CRIT.DEPTH CONTROL Vh= .495ft Dcr= 1.355ft CRIT.DEPTH Hev= .00ft
565.80	22.97	Free Outfall		CRIT.DEPTH CONTROL Vh= .519ft Dcr= 1.413ft CRIT.DEPTH Hev= .00ft
565.90	24.86	Free Outfall		CRIT.DEPTH CONTROL Vh= .545ft Dcr= 1.476ft CRIT.DEPTH Hev= .00ft
566.00	26.82	Free Outfall		CRIT.DEPTH CONTROL Vh= .569ft Dcr= 1.530ft CRIT.DEPTH Hev= .00ft
566.10	28.81	Free Outfall		CRIT.DEPTH CONTROL Vh= .596ft Dcr= 1.593ft CRIT.DEPTH Hev= .00ft
566.20	30.73	Free Outfall		

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                  CRIT.DEPTH CONTROL  Vh= .618ft  Dcr= 1.644ft
CRIT.DEPTH Hev= .00ft
   566.30     32.92   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .644ft  Dcr= 1.702ft
CRIT.DEPTH Hev= .00ft
   566.40     34.97   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .669ft  Dcr= 1.757ft
CRIT.DEPTH Hev= .00ft
   566.50     37.13   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .696ft  Dcr= 1.815ft
CRIT.DEPTH Hev= .00ft
   566.60     39.41   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .722ft  Dcr= 1.870ft
CRIT.DEPTH Hev= .00ft
   566.70     41.54   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .750ft  Dcr= 1.929ft
CRIT.DEPTH Hev= .00ft
   566.80     43.86   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .775ft  Dcr= 1.979ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 154.49 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
566.90	46.22	Free Outfall		CRIT.DEPTH CONTROL Vh= .803ft Dcr= 2.034ft CRIT.DEPTH Hev= .00ft
567.00	48.48	Free Outfall		CRIT.DEPTH CONTROL Vh= .831ft Dcr= 2.089ft CRIT.DEPTH Hev= .00ft
567.10	50.87	Free Outfall		CRIT.DEPTH CONTROL Vh= .859ft Dcr= 2.143ft CRIT.DEPTH Hev= .00ft
567.20	53.27	Free Outfall		CRIT.DEPTH CONTROL Vh= .884ft Dcr= 2.190ft CRIT.DEPTH Hev= .00ft
567.30	55.70	Free Outfall		CRIT.DEPTH CONTROL Vh= .914ft Dcr= 2.245ft CRIT.DEPTH Hev= .00ft
567.40	58.19	Free Outfall		CRIT.DEPTH CONTROL Vh= .945ft Dcr= 2.300ft CRIT.DEPTH Hev= .00ft
567.50	60.66	Free Outfall		CRIT.DEPTH CONTROL Vh= .972ft Dcr= 2.346ft CRIT.DEPTH Hev= .00ft
567.60	63.04	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.003ft Dcr= 2.397ft CRIT.DEPTH Hev= .00ft
567.70	65.61	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.031ft Dcr= 2.444ft CRIT.DEPTH Hev= .00ft
567.80	68.13	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.063ft Dcr= 2.495ft CRIT.DEPTH Hev= .00ft
567.90	70.66	Free Outfall		

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                  CRIT.DEPTH CONTROL  Vh= 1.094ft  Dcr= 2.542ft
CRIT.DEPTH Hev= .00ft
   568.00     73.14   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.125ft  Dcr= 2.589ft
CRIT.DEPTH Hev= .00ft
   568.10     75.68   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.156ft  Dcr= 2.633ft
CRIT.DEPTH Hev= .00ft
   568.20     78.28   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.188ft  Dcr= 2.678ft
CRIT.DEPTH Hev= .00ft
   568.30     80.78   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.222ft  Dcr= 2.723ft
CRIT.DEPTH Hev= .00ft
   568.40     83.30   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.255ft  Dcr= 2.766ft
CRIT.DEPTH Hev= .00ft
   568.50     85.87   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.289ft  Dcr= 2.809ft
CRIT.DEPTH Hev= .00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 154.49 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
568.60	88.39	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.324ft Dcr= 2.852ft CRIT.DEPTH Hev= .00ft
568.70	90.93	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.358ft Dcr= 2.891ft CRIT.DEPTH Hev= .00ft
568.80	93.45	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.393ft Dcr= 2.930ft CRIT.DEPTH Hev= .00ft
568.90	95.94	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.429ft Dcr= 2.969ft CRIT.DEPTH Hev= .00ft
569.00	98.50	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.465ft Dcr= 3.006ft CRIT.DEPTH Hev= .00ft
569.10	100.91	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.503ft Dcr= 3.043ft CRIT.DEPTH Hev= .00ft
569.20	103.36	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.543ft Dcr= 3.081ft CRIT.DEPTH Hev= .00ft
569.30	105.82	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.579ft Dcr= 3.114ft CRIT.DEPTH Hev= .00ft
569.40	108.33	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.620ft Dcr= 3.149ft CRIT.DEPTH Hev= .00ft
569.50	110.63	Free Outfall		CRIT.DEPTH CONTROL Vh= 1.659ft Dcr= 3.180ft CRIT.DEPTH Hev= .00ft
569.60	113.13	Free Outfall		

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                  CRIT.DEPTH CONTROL  Vh= 1.699ft  Dcr= 3.211ft
CRIT.DEPTH Hev= .00ft
   569.70    115.44   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.738ft  Dcr= 3.241ft
CRIT.DEPTH Hev= .00ft
   569.80    117.77   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.779ft  Dcr= 3.270ft
CRIT.DEPTH Hev= .00ft
   569.90    120.14   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.826ft  Dcr= 3.301ft
CRIT.DEPTH Hev= .00ft
   570.00    122.49   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= 1.865ft  Dcr= 3.326ft
CRIT.DEPTH Hev= .00ft


   S/N:
   PondPack Ver:                  Compute Time:             Date:
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***** COMPOSITE OUTFLOW SUMMARY ****

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
563.50	.00	Free Outfall		None contributing
563.60	.08	Free Outfall		LF
563.70	.24	Free Outfall		LF
563.80	.46	Free Outfall		LF
563.90	.81	Free Outfall		LF
564.00	1.21	Free Outfall		LF
564.10	1.73	Free Outfall		LF
564.20	2.46	Free Outfall		LF
564.30	3.08	Free Outfall		LF
564.40	3.86	Free Outfall		LF
564.50	4.72	Free Outfall		LF
564.60	5.70	Free Outfall		LF
564.70	6.76	Free Outfall		LF
564.80	7.92	Free Outfall		LF
564.90	9.18	Free Outfall		LF
565.00	10.37	Free Outfall		LF
565.10	11.64	Free Outfall		LF
565.20	13.15	Free Outfall		LF
565.30	14.62	Free Outfall		LF
565.40	16.07	Free Outfall		LF
565.50	17.79	Free Outfall		LF
565.60	19.47	Free Outfall		LF
565.70	21.25	Free Outfall		LF
565.80	22.97	Free Outfall		LF
565.90	24.86	Free Outfall		LF
566.00	26.82	Free Outfall		LF
566.10	28.81	Free Outfall		LF
566.20	30.73	Free Outfall		LF
566.30	32.92	Free Outfall		LF
566.40	34.97	Free Outfall		LF
566.50	37.13	Free Outfall		LF
566.60	39.41	Free Outfall		LF
566.70	41.54	Free Outfall		LF
566.80	43.86	Free Outfall		LF
566.90	46.22	Free Outfall		LF
567.00	48.48	Free Outfall		LF
567.10	50.87	Free Outfall		LF
567.20	53.27	Free Outfall		LF

S/N:
PondPack Ver: Compute Time: Date:

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
567.30	55.70	Free Outfall		LF
567.40	58.19	Free Outfall		LF
567.50	60.66	Free Outfall		LF
567.60	63.04	Free Outfall		LF
567.70	65.61	Free Outfall		LF
567.80	68.13	Free Outfall		LF
567.90	70.66	Free Outfall		LF
568.00	73.14	Free Outfall		LF
568.10	75.68	Free Outfall		LF
568.20	78.28	Free Outfall		LF
568.30	80.78	Free Outfall		LF
568.40	83.30	Free Outfall		LF
568.50	85.87	Free Outfall		LF
568.60	88.39	Free Outfall		LF
568.70	90.93	Free Outfall		LF
568.80	93.45	Free Outfall		LF
568.90	95.94	Free Outfall		LF
569.00	98.50	Free Outfall		OF +LF
569.10	103.18	Free Outfall		OF +LF
569.20	109.80	Free Outfall		OF +LF
569.30	117.65	Free Outfall		OF +LF
569.40	126.55	Free Outfall		OF +LF
569.50	136.09	Free Outfall		OF +LF
569.60	146.59	Free Outfall		OF +LF
569.70	157.61	Free Outfall		OF +LF
569.80	169.29	Free Outfall		OF +LF
569.90	181.62	Free Outfall		OF +LF
570.00	194.49	Free Outfall		OF +LF

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REQUESTED POND WS ELEVATIONS:

Min. Elev.= 578.50 ft
Increment = .10 ft
Max. Elev.= 588.00 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
Stand Pipe	OF	--->	TW	585.500	588.000
Culvert-Circular	LF	--->	TW	578.500	588.000

TW SETUP, DS Channel

S/N:
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OUTLET STRUCTURE INPUT DATA

Structure ID	= OF	
Structure Type	= Stand Pipe	
# of Openings	= 1	
Invert Elev.	= 585.50	ft
Diameter	= 4.00	in
Orifice Area	= .0873	sq.ft
Orifice Coeff.	= .600	
Weir Length	= 1.05	ft
Weir Coeff.	= 3.000	
K, Reverse	= 1.000	
Mannings n	= .0000	
Kev,Charged Riser	= .000	
Weir Submergence	= No	
Orifice H to crest	= Yes	

OUTLET STRUCTURE INPUT DATA

Structure ID = LF
Structure Type = Culvert-Circular

No. Barrels	=	1
Barrel Diameter	=	12.00 in
Upstream Invert	=	578.50 ft
Dnstream Invert	=	578.40 ft
Horiz. Length	=	10.00 ft
Barrel Length	=	10.00 ft
Barrel Slope	=	.01000 ft/ft

OUTLET CONTROL DATA...

Mannings n	=	.0130
Ke	=	.7000 (forward entrance loss)
Kb	=	.031274 (per ft of full flow)
Kr	=	.7000 (reverse entrance loss)
HW Convergence	=	.001 +/- ft

INLET CONTROL DATA...

Equation form	=	1
Inlet Control K	=	.0045
Inlet Control M	=	2.0000
Inlet Control c	=	.03170
Inlet Control Y	=	.6900
T1 ratio (HW/D)	=	1.104
T2 ratio (HW/D)	=	1.192
Slope Factor	=	-.500

Use unsubmerged inlet control Form 1 equ. below T1 elev.
Use submerged inlet control Form 1 equ. above T2 elev.

In transition zone between unsubmerged and submerged inlet control, interpolate between flows at T1 & T2...
At T1 Elev = 579.60 ft ---> Flow = 2.75 cfs
At T2 Elev = 579.69 ft ---> Flow = 3.14 cfs

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

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Name.... Outlet 5

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Stand Pipe)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
578.50	.00	Free Outfall		HW & TW < Inv.El.=585.500
578.60	.00	Free Outfall		HW & TW < Inv.El.=585.500
578.70	.00	Free Outfall		HW & TW < Inv.El.=585.500
578.80	.00	Free Outfall		HW & TW < Inv.El.=585.500
578.90	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.00	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.10	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.20	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.30	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.40	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.50	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.60	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.70	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.80	.00	Free Outfall		HW & TW < Inv.El.=585.500
579.90	.00	Free Outfall		HW & TW < Inv.El.=585.500
580.00	.00	Free Outfall		HW & TW < Inv.El.=585.500
580.10	.00	Free Outfall		

HW & TW < Inv.El.=585.500

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Stand Pipe)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water		Notes
WS Elev. ft	Q cfs	TW Elev Converge ft +/-ft	Computation Messages
580.20	.00	Free Outfall	HW & TW < Inv.El.=585.500
580.30	.00	Free Outfall	HW & TW < Inv.El.=585.500
580.40	.00	Free Outfall	HW & TW < Inv.El.=585.500
580.50	.00	Free Outfall	HW & TW < Inv.El.=585.500
580.60	.00	Free Outfall	HW & TW < Inv.El.=585.500
580.70	.00	Free Outfall	HW & TW < Inv.El.=585.500
580.80	.00	Free Outfall	HW & TW < Inv.El.=585.500
580.90	.00	Free Outfall	HW & TW < Inv.El.=585.500
581.00	.00	Free Outfall	HW & TW < Inv.El.=585.500
581.10	.00	Free Outfall	HW & TW < Inv.El.=585.500
581.20	.00	Free Outfall	HW & TW < Inv.El.=585.500
581.30	.00	Free Outfall	HW & TW < Inv.El.=585.500
581.40	.00	Free Outfall	HW & TW < Inv.El.=585.500
581.50	.00	Free Outfall	HW & TW < Inv.El.=585.500
581.60	.00	Free Outfall	HW & TW < Inv.El.=585.500
581.70	.00	Free Outfall	HW & TW < Inv.El.=585.500
581.80	.00	Free Outfall	

HW & TW < Inv.El.=585.500

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Name.... Outlet 5

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Stand Pipe)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
581.90	.00	Free Outfall HW & TW < Inv.El.=585.500
582.00	.00	Free Outfall HW & TW < Inv.El.=585.500
582.10	.00	Free Outfall HW & TW < Inv.El.=585.500
582.20	.00	Free Outfall HW & TW < Inv.El.=585.500
582.30	.00	Free Outfall HW & TW < Inv.El.=585.500
582.40	.00	Free Outfall HW & TW < Inv.El.=585.500
582.50	.00	Free Outfall HW & TW < Inv.El.=585.500
582.60	.00	Free Outfall HW & TW < Inv.El.=585.500
582.70	.00	Free Outfall HW & TW < Inv.El.=585.500
582.80	.00	Free Outfall HW & TW < Inv.El.=585.500
582.90	.00	Free Outfall HW & TW < Inv.El.=585.500
583.00	.00	Free Outfall HW & TW < Inv.El.=585.500
583.10	.00	Free Outfall HW & TW < Inv.El.=585.500
583.20	.00	Free Outfall HW & TW < Inv.El.=585.500
583.30	.00	Free Outfall HW & TW < Inv.El.=585.500
583.40	.00	Free Outfall HW & TW < Inv.El.=585.500
583.50	.00	Free Outfall

HW & TW < Inv.El.=585.500

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Stand Pipe)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
583.60	.00	Free Outfall		HW & TW < Inv.El.=585.500
583.70	.00	Free Outfall		HW & TW < Inv.El.=585.500
583.80	.00	Free Outfall		HW & TW < Inv.El.=585.500
583.90	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.00	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.10	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.20	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.30	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.40	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.50	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.60	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.70	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.80	.00	Free Outfall		HW & TW < Inv.El.=585.500
584.90	.00	Free Outfall		HW & TW < Inv.El.=585.500
585.00	.00	Free Outfall		HW & TW < Inv.El.=585.500
585.10	.00	Free Outfall		HW & TW < Inv.El.=585.500
585.20	.00	Free Outfall		

HW & TW < Inv.El.=585.500

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Stand Pipe)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
585.30	.00	Free Outfall		HW & TW < Inv.El.=585.500
585.40	.00	Free Outfall		HW & TW < Inv.El.=585.500
585.50	.00	Free Outfall		Weir: H =.00ft
585.60	.10	Free Outfall		Weir: H =.10ft
585.70	.19	Free Outfall		Orifice: H =.20; Riser orifice equation controlling.
585.80	.23	Free Outfall		Orifice: H =.30; Riser orifice equation controlling.
585.90	.27	Free Outfall		Orifice: H =.40; Riser orifice equation controlling.
586.00	.30	Free Outfall		Orifice: H =.50; Riser orifice equation controlling.
586.10	.33	Free Outfall		Orifice: H =.60; Riser orifice equation controlling.
586.20	.35	Free Outfall		Orifice: H =.70; Riser orifice equation controlling.
586.30	.38	Free Outfall		Orifice: H =.80; Riser orifice equation controlling.
586.40	.40	Free Outfall		Orifice: H =.90; Riser orifice equation controlling.
586.50	.42	Free Outfall		Orifice: H =1.00; Riser orifice equation controlling.
586.60	.44	Free Outfall		Orifice: H =1.10; Riser orifice equation controlling.
586.70	.46	Free Outfall		Orifice: H =1.20; Riser orifice equation controlling.
586.80	.48	Free Outfall		Orifice: H =1.30; Riser orifice equation controlling.
586.90	.50	Free Outfall		

Orifice: H =1.40; Riser orifice equation controlling.

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PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Stand Pipe)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q | Tail Water | Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
587.00	.51	Free Outfall		Orifice: H =1.50; Riser orifice equation controlling.
587.10	.53	Free Outfall		Orifice: H =1.60; Riser orifice equation controlling.
587.20	.55	Free Outfall		Orifice: H =1.70; Riser orifice equation controlling.
587.30	.56	Free Outfall		Orifice: H =1.80; Riser orifice equation controlling.
587.40	.58	Free Outfall		Orifice: H =1.90; Riser orifice equation controlling.
587.50	.59	Free Outfall		Orifice: H =2.00; Riser orifice equation controlling.
587.60	.61	Free Outfall		Orifice: H =2.10; Riser orifice equation controlling.
587.70	.62	Free Outfall		Orifice: H =2.20; Riser orifice equation controlling.
587.80	.64	Free Outfall		Orifice: H =2.30; Riser orifice equation controlling.
587.90	.65	Free Outfall		Orifice: H =2.40; Riser orifice equation controlling.
588.00	.66	Free Outfall		Orifice: H =2.50; Riser orifice equation controlling.

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 3.83 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes / Computation Messages
578.50	.00	Free Outfall		Upstream HW & DNstream TW < Inv.El
578.60	.01	Free Outfall		CRIT.DEPTH CONTROL Vh= .043ft Dcr= .125ft CRIT.DEPTH Hev= .00ft
578.70	.19	Free Outfall		INLET CONTROL... Equ.1: HW =.20 dc=.125 Ac=.0566
578.80	.27	Free Outfall		INLET CONTROL... Equ.1: HW =.30 dc=.187 Ac=.1019
578.90	.35	Free Outfall		CRIT.DEPTH CONTROL Vh= .089ft Dcr= .250ft CRIT.DEPTH Hev= .00ft
579.00	.44	Free Outfall		CRIT.DEPTH CONTROL Vh= .113ft Dcr= .312ft CRIT.DEPTH Hev= .00ft
579.10	.70	Free Outfall		CRIT.DEPTH CONTROL Vh= .126ft Dcr= .344ft CRIT.DEPTH Hev= .00ft
579.20	1.05	Free Outfall		CRIT.DEPTH CONTROL Vh= .152ft Dcr= .406ft CRIT.DEPTH Hev= .00ft
579.30	1.34	Free Outfall		CRIT.DEPTH CONTROL Vh= .181ft Dcr= .469ft CRIT.DEPTH Hev= .00ft
579.40	1.66	Free Outfall		CRIT.DEPTH CONTROL Vh= .229ft Dcr= .562ft CRIT.DEPTH Hev= .00ft
579.50	1.91	Free Outfall		CRIT.DEPTH CONTROL Vh= .229ft Dcr= .562ft CRIT.DEPTH Hev= .00ft
579.60	2.22	Free Outfall		

```
                  CRIT.DEPTH CONTROL  Vh= .266ft  Dcr= .625ft
CRIT.DEPTH Hev= .00ft
   579.70      2.52   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .299ft  Dcr= .672ft
CRIT.DEPTH Hev= .00ft
   579.80      2.86   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .336ft  Dcr= .718ft
CRIT.DEPTH Hev= .00ft
   579.90      3.12   Free Outfall
                  CRIT.DEPTH CONTROL  Vh= .380ft  Dcr= .765ft
CRIT.DEPTH Hev= .00ft
   580.00      3.46   Free Outfall
                  BACKWATER CONTROL.. Vh= .422ft  hwDi= .781ft  Lbw=
10.0ft Hev= .00ft
   580.10      3.82   Free Outfall
                  BACKWATER CONTROL.. Vh= .426ft  hwDi= .876ft  Lbw=
10.0ft Hev= .00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 3.83 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
580.20	4.11	Free Outfall		BACKWATER CONTROL.. Vh= .449ft hwDi= .937ft Lbw= 10.0ft Hev= .00ft
580.30	4.36	Free Outfall		BACKWATER CONTROL.. Vh= .484ft hwDi= .978ft Lbw= 10.0ft Hev= .00ft
580.40	4.59	Free Outfall		BACKWATER CONTROL.. Vh= .530ft hwDi= .999ft Lbw= 10.0ft Hev= .00ft
580.50	4.76	Free Outfall		FULL FLOW...Lfull=3.94ft Vh=.571ft HL=1.040ft Hev= .00ft
580.60	4.94	Free Outfall		FULL FLOW...Lfull=5.77ft Vh=.616ft HL=1.158ft Hev= .00ft
580.70	5.13	Free Outfall		FULL FLOW...Lfull=6.88ft Vh=.662ft HL=1.269ft Hev= .00ft
580.80	5.31	Free Outfall		FULL FLOW...Lfull=7.65ft Vh=.710ft HL=1.376ft Hev= .00ft
580.90	5.49	Free Outfall		FULL FLOW...Lfull=8.11ft Vh=.758ft HL=1.481ft Hev= .00ft
581.00	5.65	Free Outfall		FULL FLOW...Lfull=8.82ft Vh=.803ft HL=1.587ft Hev= .00ft
581.10	5.82	Free Outfall		FULL FLOW...Lfull=8.97ft Vh=.853ft HL=1.690ft Hev= .00ft
581.20	5.99	Free Outfall		

```
                    FULL FLOW...Lfull=9.06ft  Vh=.903ft  HL=1.791ft Hev=
.00ft
   581.30      6.15   Free Outfall
                    FULL FLOW...Lfull=9.20ft  Vh=.952ft  HL=1.892ft Hev=
.00ft
   581.40      6.30   Free Outfall
                    FULL FLOW...Lfull=9.35ft  Vh=1.001ft  HL=1.994ft Hev=
.00ft
   581.50      6.45   Free Outfall
                    FULL FLOW...Lfull=9.50ft  Vh=1.049ft  HL=2.095ft Hev=
.00ft
   581.60      6.60   Free Outfall
                    FULL FLOW...Lfull=9.54ft  Vh=1.099ft  HL=2.195ft Hev=
.00ft
   581.70      6.75   Free Outfall
                    FULL FLOW...Lfull=9.58ft  Vh=1.148ft  HL=2.296ft Hev=
.00ft
   581.80      6.89   Free Outfall
                    FULL FLOW...Lfull=9.74ft  Vh=1.196ft  HL=2.398ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 3.83 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
581.90	7.03	Free Outfall	FULL FLOW...Lfull=9.75ft Vh=1.245ft HL=2.497ft Hev=.00ft
582.00	7.17	Free Outfall	FULL FLOW...Lfull=9.78ft Vh=1.295ft HL=2.597ft Hev=.00ft
582.10	7.31	Free Outfall	FULL FLOW...Lfull=9.78ft Vh=1.345ft HL=2.698ft Hev=.00ft
582.20	7.44	Free Outfall	FULL FLOW...Lfull=9.80ft Vh=1.395ft HL=2.798ft Hev=.00ft
582.30	7.57	Free Outfall	FULL FLOW...Lfull=9.81ft Vh=1.444ft HL=2.899ft Hev=.00ft
582.40	7.70	Free Outfall	FULL FLOW...Lfull=9.83ft Vh=1.494ft HL=2.999ft Hev=.00ft
582.50	7.83	Free Outfall	FULL FLOW...Lfull=9.85ft Vh=1.543ft HL=3.098ft Hev=.00ft
582.60	7.95	Free Outfall	FULL FLOW...Lfull=9.86ft Vh=1.593ft HL=3.199ft Hev=.00ft
582.70	8.07	Free Outfall	FULL FLOW...Lfull=9.88ft Vh=1.642ft HL=3.298ft Hev=.00ft
582.80	8.19	Free Outfall	FULL FLOW...Lfull=9.89ft Vh=1.691ft HL=3.399ft Hev=.00ft
582.90	8.31	Free Outfall	

FULL FLOW...Lfull=9.91ft Vh=1.741ft HL=3.500ft Hev=
.00ft
583.00 8.43 Free Outfall
FULL FLOW...Lfull=9.91ft Vh=1.791ft HL=3.599ft Hev=
.00ft
583.10 8.55 Free Outfall
FULL FLOW...Lfull=9.91ft Vh=1.840ft HL=3.698ft Hev=
.00ft
583.20 8.66 Free Outfall
FULL FLOW...Lfull=9.95ft Vh=1.889ft HL=3.800ft Hev=
.00ft
583.30 8.77 Free Outfall
FULL FLOW...Lfull=9.95ft Vh=1.939ft HL=3.900ft Hev=
.00ft
583.40 8.88 Free Outfall
FULL FLOW...Lfull=9.95ft Vh=1.989ft HL=3.999ft Hev=
.00ft
583.50 8.99 Free Outfall
FULL FLOW...Lfull=9.95ft Vh=2.038ft HL=4.099ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 3.83 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
583.60	9.10	Free Outfall		FULL FLOW...Lfull=9.95ft Vh=2.088ft HL=4.199ft Hev=.00ft
583.70	9.21	Free Outfall		FULL FLOW...Lfull=9.95ft Vh=2.138ft HL=4.299ft Hev=.00ft
583.80	9.32	Free Outfall		FULL FLOW...Lfull=9.95ft Vh=2.187ft HL=4.399ft Hev=.00ft
583.90	9.42	Free Outfall		FULL FLOW...Lfull=9.95ft Vh=2.238ft HL=4.500ft Hev=.00ft
584.00	9.53	Free Outfall		FULL FLOW...Lfull=9.96ft Vh=2.286ft HL=4.599ft Hev=.00ft
584.10	9.63	Free Outfall		FULL FLOW...Lfull=9.96ft Vh=2.336ft HL=4.699ft Hev=.00ft
584.20	9.73	Free Outfall		FULL FLOW...Lfull=9.96ft Vh=2.386ft HL=4.800ft Hev=.00ft
584.30	9.83	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=2.435ft HL=4.900ft Hev=.00ft
584.40	9.93	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=2.484ft HL=4.999ft Hev=.00ft
584.50	10.03	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=2.535ft HL=5.101ft Hev=.00ft
584.60	10.13	Free Outfall		

```
                    FULL FLOW...Lfull=9.98ft  Vh=2.584ft  HL=5.199ft Hev=
.00ft
   584.70     10.23   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=2.634ft  HL=5.300ft Hev=
.00ft
   584.80     10.32   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=2.683ft  HL=5.399ft Hev=
.00ft
   584.90     10.42   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=2.734ft  HL=5.501ft Hev=
.00ft
   585.00     10.51   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=2.783ft  HL=5.600ft Hev=
.00ft
   585.10     10.60   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=2.832ft  HL=5.699ft Hev=
.00ft
   585.20     10.70   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=2.883ft  HL=5.800ft Hev=
.00ft

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 3.83 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, Device Q	Tail Water	Notes

WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
585.30	10.79	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=2.932ft HL=5.899ft Hev=.00ft
585.40	10.88	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=2.982ft HL=5.999ft Hev=.00ft
585.50	10.97	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.031ft HL=6.099ft Hev=.00ft
585.60	11.06	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.081ft HL=6.199ft Hev=.00ft
585.70	11.15	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.131ft HL=6.300ft Hev=.00ft
585.80	11.24	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.181ft HL=6.400ft Hev=.00ft
585.90	11.32	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.230ft HL=6.500ft Hev=.00ft
586.00	11.41	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.280ft HL=6.600ft Hev=.00ft
586.10	11.50	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.329ft HL=6.699ft Hev=.00ft
586.20	11.58	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.379ft HL=6.799ft Hev=.00ft
586.30	11.67	Free Outfall		

```
                    FULL FLOW...Lfull=9.98ft  Vh=3.429ft  HL=6.900ft Hev=
.00ft
   586.40     11.75   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=3.479ft  HL=7.000ft Hev=
.00ft
   586.50     11.84   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=3.529ft  HL=7.101ft Hev=
.00ft
   586.60     11.92   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=3.578ft  HL=7.200ft Hev=
.00ft
   586.70     12.00   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=3.628ft  HL=7.301ft Hev=
.00ft
   586.80     12.08   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=3.678ft  HL=7.400ft Hev=
.00ft
   586.90     12.16   Free Outfall
                    FULL FLOW...Lfull=9.98ft  Vh=3.727ft  HL=7.500ft Hev=
.00ft

   S/N:
   PondPack Ver:                  Compute Time:             Date:
```

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Culvert-Circular)

Mannings open channel maximum capacity: 3.83 cfs
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
587.00	12.24	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.777ft HL=7.601ft Hev=.00ft
587.10	12.32	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.827ft HL=7.700ft Hev=.00ft
587.20	12.40	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.877ft HL=7.800ft Hev=.00ft
587.30	12.48	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.926ft HL=7.900ft Hev=.00ft
587.40	12.56	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=3.975ft HL=7.999ft Hev=.00ft
587.50	12.64	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=4.025ft HL=8.100ft Hev=.00ft
587.60	12.72	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=4.076ft HL=8.201ft Hev=.00ft
587.70	12.80	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=4.125ft HL=8.300ft Hev=.00ft
587.80	12.87	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=4.174ft HL=8.399ft Hev=.00ft
587.90	12.95	Free Outfall		FULL FLOW...Lfull=9.98ft Vh=4.224ft HL=8.500ft Hev=.00ft
588.00	13.02	Free Outfall		

FULL FLOW...Lfull=9.98ft Vh=4.274ft HL=8.600ft Hev=
.00ft

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 5

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
578.50	.00	Free Outfall		None contributing
578.60	.01	Free Outfall		LF
578.70	.19	Free Outfall		LF
578.80	.27	Free Outfall		LF
578.90	.35	Free Outfall		LF
579.00	.44	Free Outfall		LF
579.10	.70	Free Outfall		LF
579.20	1.05	Free Outfall		LF
579.30	1.34	Free Outfall		LF
579.40	1.66	Free Outfall		LF
579.50	1.91	Free Outfall		LF
579.60	2.22	Free Outfall		LF
579.70	2.52	Free Outfall		LF
579.80	2.86	Free Outfall		LF
579.90	3.12	Free Outfall		LF
580.00	3.46	Free Outfall		LF
580.10	3.82	Free Outfall		LF
580.20	4.11	Free Outfall		LF
580.30	4.36	Free Outfall		LF
580.40	4.59	Free Outfall		LF
580.50	4.76	Free Outfall		LF
580.60	4.94	Free Outfall		LF
580.70	5.13	Free Outfall		LF
580.80	5.31	Free Outfall		LF
580.90	5.49	Free Outfall		LF
581.00	5.65	Free Outfall		LF
581.10	5.82	Free Outfall		LF
581.20	5.99	Free Outfall		LF
581.30	6.15	Free Outfall		LF
581.40	6.30	Free Outfall		LF
581.50	6.45	Free Outfall		LF
581.60	6.60	Free Outfall		LF
581.70	6.75	Free Outfall		LF
581.80	6.89	Free Outfall		LF
581.90	7.03	Free Outfall		LF
582.00	7.17	Free Outfall		LF
582.10	7.31	Free Outfall		LF
582.20	7.44	Free Outfall		LF

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Name.... Outlet 5

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
582.30	7.57	Free Outfall		LF
582.40	7.70	Free Outfall		LF
582.50	7.83	Free Outfall		LF
582.60	7.95	Free Outfall		LF
582.70	8.07	Free Outfall		LF
582.80	8.19	Free Outfall		LF
582.90	8.31	Free Outfall		LF
583.00	8.43	Free Outfall		LF
583.10	8.55	Free Outfall		LF
583.20	8.66	Free Outfall		LF
583.30	8.77	Free Outfall		LF
583.40	8.88	Free Outfall		LF
583.50	8.99	Free Outfall		LF
583.60	9.10	Free Outfall		LF
583.70	9.21	Free Outfall		LF
583.80	9.32	Free Outfall		LF
583.90	9.42	Free Outfall		LF
584.00	9.53	Free Outfall		LF
584.10	9.63	Free Outfall		LF
584.20	9.73	Free Outfall		LF
584.30	9.83	Free Outfall		LF
584.40	9.93	Free Outfall		LF
584.50	10.03	Free Outfall		LF
584.60	10.13	Free Outfall		LF
584.70	10.23	Free Outfall		LF
584.80	10.32	Free Outfall		LF
584.90	10.42	Free Outfall		LF
585.00	10.51	Free Outfall		LF
585.10	10.60	Free Outfall		LF
585.20	10.70	Free Outfall		LF
585.30	10.79	Free Outfall		LF
585.40	10.88	Free Outfall		LF
585.50	10.97	Free Outfall		OF +LF
585.60	11.16	Free Outfall		OF +LF
585.70	11.34	Free Outfall		OF +LF
585.80	11.47	Free Outfall		OF +LF
585.90	11.59	Free Outfall		OF +LF
586.00	11.71	Free Outfall		OF +LF

S/N:
PondPack Ver: Compute Time: Date:

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
586.10	11.82	Free Outfall		OF +LF
586.20	11.93	Free Outfall		OF +LF
586.30	12.04	Free Outfall		OF +LF
586.40	12.15	Free Outfall		OF +LF
586.50	12.26	Free Outfall		OF +LF
586.60	12.36	Free Outfall		OF +LF
586.70	12.46	Free Outfall		OF +LF
586.80	12.56	Free Outfall		OF +LF
586.90	12.66	Free Outfall		OF +LF
587.00	12.76	Free Outfall		OF +LF
587.10	12.86	Free Outfall		OF +LF
587.20	12.95	Free Outfall		OF +LF
587.30	13.05	Free Outfall		OF +LF
587.40	13.14	Free Outfall		OF +LF
587.50	13.23	Free Outfall		OF +LF
587.60	13.33	Free Outfall		OF +LF
587.70	13.42	Free Outfall		OF +LF
587.80	13.51	Free Outfall		OF +LF
587.90	13.60	Free Outfall		OF +LF
588.00	13.69	Free Outfall		OF +LF

REQUESTED POND WS ELEVATIONS:

Min. Elev.= 546.00 ft
Increment = .10 ft
Max. Elev.= 560.00 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-Area	LO	--->	TW	549.950	560.000
Weir-Rectangular	LF	--->	TW	548.700	549.950
Weir-Rectangular	OF	--->	TW	557.750	560.000

TW SETUP, DS Channel

OUTLET STRUCTURE INPUT DATA

Structure ID = LO
Structure Type = Orifice-Area

# of Openings = 1
Invert Elev. = 548.70 ft
Area = .5000 sq.ft
Top of Orifice = 549.70 ft
Datum Elev. = 549.20 ft
Orifice Coeff. = .600

Structure ID = LF
Structure Type = Weir-Rectangular

# of Openings = 1
Crest Elev. = 548.70 ft
Weir Length = .50 ft
Weir Coeff. = 3.000000

Weir TW effects (Use adjustment equation)

Structure ID = OF
Structure Type = Weir-Rectangular

# of Openings = 1
Crest Elev. = 557.75 ft
Weir Length = 11.00 ft
Weir Coeff. = 3.000000

Weir TW effects (Use adjustment equation)

OUTLET STRUCTURE INPUT DATA

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

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Area)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
546.00	.00	Free Outfall		
		E < E1= 549.950		
546.10	.00	Free Outfall		
		E < E1= 549.950		
546.20	.00	Free Outfall		
		E < E1= 549.950		
546.30	.00	Free Outfall		
		E < E1= 549.950		
546.40	.00	Free Outfall		
		E < E1= 549.950		
546.50	.00	Free Outfall		
		E < E1= 549.950		
546.60	.00	Free Outfall		
		E < E1= 549.950		
546.70	.00	Free Outfall		
		E < E1= 549.950		
546.80	.00	Free Outfall		
		E < E1= 549.950		
546.90	.00	Free Outfall		
		E < E1= 549.950		
547.00	.00	Free Outfall		
		E < E1= 549.950		
547.10	.00	Free Outfall		
		E < E1= 549.950		
547.20	.00	Free Outfall		
		E < E1= 549.950		
547.30	.00	Free Outfall		
		E < E1= 549.950		
547.40	.00	Free Outfall		
		E < E1= 549.950		
547.50	.00	Free Outfall		
		E < E1= 549.950		
547.60	.00	Free Outfall		

E < E1= 549.950

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Area)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev,Device Q	Tail Water	Notes
WS Elev. ft	Q cfs	TW Elev ft	Converge +/-ft	Computation Messages
547.70	.00	Free Outfall		E < E1= 549.950
547.80	.00	Free Outfall		E < E1= 549.950
547.90	.00	Free Outfall		E < E1= 549.950
548.00	.00	Free Outfall		E < E1= 549.950
548.10	.00	Free Outfall		E < E1= 549.950
548.20	.00	Free Outfall		E < E1= 549.950
548.30	.00	Free Outfall		E < E1= 549.950
548.40	.00	Free Outfall		E < E1= 549.950
548.50	.00	Free Outfall		E < E1= 549.950
548.60	.00	Free Outfall		E < E1= 549.950
548.70	.00	Free Outfall		E < E1= 549.950
548.80	.00	Free Outfall		E < E1= 549.950
548.90	.00	Free Outfall		E < E1= 549.950
549.00	.00	Free Outfall		E < E1= 549.950
549.10	.00	Free Outfall		E < E1= 549.950
549.20	.00	Free Outfall		E < E1= 549.950
549.30	.00	Free Outfall		

E < E1= 549.950

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 6

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Area)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
549.40	.00	Free Outfall		
		E < E1= 549.950		
549.50	.00	Free Outfall		
		E < E1= 549.950		
549.60	.00	Free Outfall		
		E < E1= 549.950		
549.70	.00	Free Outfall		
		E < E1= 549.950		
549.80	.00	Free Outfall		
		E < E1= 549.950		
549.90	.00	Free Outfall		
		E < E1= 549.950		
550.00	2.15	Free Outfall		
		H =.80		
550.10	2.28	Free Outfall		
		H =.90		
550.20	2.41	Free Outfall		
		H =1.00		
550.30	2.52	Free Outfall		
		H =1.10		
550.40	2.64	Free Outfall		
		H =1.20		
550.50	2.74	Free Outfall		
		H =1.30		
550.60	2.85	Free Outfall		
		H =1.40		
550.70	2.95	Free Outfall		
		H =1.50		
550.80	3.04	Free Outfall		
		H =1.60		
550.90	3.14	Free Outfall		
		H =1.70		
551.00	3.23	Free Outfall		

H =1.80

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 6

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Area)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
551.10	3.32	Free Outfall		
	H =1.90			
551.20	3.40	Free Outfall		
	H =2.00			
551.30	3.49	Free Outfall		
	H =2.10			
551.40	3.57	Free Outfall		
	H =2.20			
551.50	3.65	Free Outfall		
	H =2.30			
551.60	3.73	Free Outfall		
	H =2.40			
551.70	3.81	Free Outfall		
	H =2.50			
551.80	3.88	Free Outfall		
	H =2.60			
551.90	3.95	Free Outfall		
	H =2.70			
552.00	4.03	Free Outfall		
	H =2.80			
552.10	4.10	Free Outfall		
	H =2.90			
552.20	4.17	Free Outfall		
	H =3.00			
552.30	4.24	Free Outfall		
	H =3.10			
552.40	4.30	Free Outfall		
	H =3.20			
552.50	4.37	Free Outfall		
	H =3.30			
552.60	4.44	Free Outfall		
	H =3.40			
552.70	4.50	Free Outfall		

H =3.50

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Area)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
552.80	4.57	Free Outfall		
	H =	3.60		
552.90	4.63	Free Outfall		
	H =	3.70		
553.00	4.69	Free Outfall		
	H =	3.80		
553.10	4.75	Free Outfall		
	H =	3.90		
553.20	4.81	Free Outfall		
	H =	4.00		
553.30	4.87	Free Outfall		
	H =	4.10		
553.40	4.93	Free Outfall		
	H =	4.20		
553.50	4.99	Free Outfall		
	H =	4.30		
553.60	5.05	Free Outfall		
	H =	4.40		
553.70	5.10	Free Outfall		
	H =	4.50		
553.80	5.16	Free Outfall		
	H =	4.60		
553.90	5.22	Free Outfall		
	H =	4.70		
554.00	5.27	Free Outfall		
	H =	4.80		
554.10	5.33	Free Outfall		
	H =	4.90		
554.20	5.38	Free Outfall		
	H =	5.00		
554.30	5.43	Free Outfall		
	H =	5.10		
554.40	5.49	Free Outfall		

H =5.20

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Area)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
554.50	5.54	Free Outfall		
	H =	5.30		
554.60	5.59	Free Outfall		
	H =	5.40		
554.70	5.64	Free Outfall		
	H =	5.50		
554.80	5.69	Free Outfall		
	H =	5.60		
554.90	5.75	Free Outfall		
	H =	5.70		
555.00	5.80	Free Outfall		
	H =	5.80		
555.10	5.85	Free Outfall		
	H =	5.90		
555.20	5.89	Free Outfall		
	H =	6.00		
555.30	5.94	Free Outfall		
	H =	6.10		
555.40	5.99	Free Outfall		
	H =	6.20		
555.50	6.04	Free Outfall		
	H =	6.30		
555.60	6.09	Free Outfall		
	H =	6.40		
555.70	6.14	Free Outfall		
	H =	6.50		
555.80	6.18	Free Outfall		
	H =	6.60		
555.90	6.23	Free Outfall		
	H =	6.70		
556.00	6.28	Free Outfall		
	H =	6.80		
556.10	6.32	Free Outfall		

H =6.90

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 6

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RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Area)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
556.20	6.37	Free Outfall		
	H =7.00			
556.30	6.41	Free Outfall		
	H =7.10			
556.40	6.46	Free Outfall		
	H =7.20			
556.50	6.50	Free Outfall		
	H =7.30			
556.60	6.55	Free Outfall		
	H =7.40			
556.70	6.59	Free Outfall		
	H =7.50			
556.80	6.63	Free Outfall		
	H =7.60			
556.90	6.68	Free Outfall		
	H =7.70			
557.00	6.72	Free Outfall		
	H =7.80			
557.10	6.76	Free Outfall		
	H =7.90			
557.20	6.81	Free Outfall		
	H =8.00			
557.30	6.85	Free Outfall		
	H =8.10			
557.40	6.89	Free Outfall		
	H =8.20			
557.50	6.93	Free Outfall		
	H =8.30			
557.60	6.97	Free Outfall		
	H =8.40			
557.70	7.02	Free Outfall		
	H =8.50			
557.75	7.04	Free Outfall		

H =8.55

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 6

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Area)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
557.80	7.06	Free Outfall		
	H =	8.60		
557.90	7.10	Free Outfall		
	H =	8.70		
558.00	7.14	Free Outfall		
	H =	8.80		
558.10	7.18	Free Outfall		
	H =	8.90		
558.20	7.22	Free Outfall		
	H =	9.00		
558.30	7.26	Free Outfall		
	H =	9.10		
558.40	7.30	Free Outfall		
	H =	9.20		
558.50	7.34	Free Outfall		
	H =	9.30		
558.60	7.38	Free Outfall		
	H =	9.40		
558.70	7.42	Free Outfall		
	H =	9.50		
558.80	7.46	Free Outfall		
	H =	9.60		
558.90	7.50	Free Outfall		
	H =	9.70		
559.00	7.53	Free Outfall		
	H =	9.80		
559.10	7.57	Free Outfall		
	H =	9.90		
559.20	7.61	Free Outfall		
	H =	10.00		
559.30	7.65	Free Outfall		
	H =	10.10		
559.40	7.69	Free Outfall		

H =10.20

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LO (Orifice-Area)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
559.50	7.72	Free Outfall		
	H =	10.30		
559.60	7.76	Free Outfall		
	H =	10.40		
559.70	7.80	Free Outfall		
	H =	10.50		
559.80	7.84	Free Outfall		
	H =	10.60		
559.90	7.87	Free Outfall		
	H =	10.70		
560.00	7.91	Free Outfall		
	H =	10.80		

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Weir-Rectangular)
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
546.00	.00	Free Outfall		HW & TW below Inv.El.=548.700
546.10	.00	Free Outfall		HW & TW below Inv.El.=548.700
546.20	.00	Free Outfall		HW & TW below Inv.El.=548.700
546.30	.00	Free Outfall		HW & TW below Inv.El.=548.700
546.40	.00	Free Outfall		HW & TW below Inv.El.=548.700
546.50	.00	Free Outfall		HW & TW below Inv.El.=548.700
546.60	.00	Free Outfall		HW & TW below Inv.El.=548.700
546.70	.00	Free Outfall		HW & TW below Inv.El.=548.700
546.80	.00	Free Outfall		HW & TW below Inv.El.=548.700
546.90	.00	Free Outfall		HW & TW below Inv.El.=548.700
547.00	.00	Free Outfall		HW & TW below Inv.El.=548.700
547.10	.00	Free Outfall		HW & TW below Inv.El.=548.700
547.20	.00	Free Outfall		HW & TW below Inv.El.=548.700
547.30	.00	Free Outfall		HW & TW below Inv.El.=548.700
547.40	.00	Free Outfall		HW & TW below Inv.El.=548.700
547.50	.00	Free Outfall		HW & TW below Inv.El.=548.700
547.60	.00	Free Outfall		

HW & TW below Inv.El.=548.700

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
547.70	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
547.80	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
547.90	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
548.00	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
548.10	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
548.20	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
548.30	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
548.40	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
548.50	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
548.60	.00	Free Outfall		
		HW & TW below Inv.El.=548.700		
548.70	.00	Free Outfall		
		H=.00; Htw=.00; Qfree=.00;		
548.80	.05	Free Outfall		
		H=.10; Htw=.00; Qfree=.05;		
548.90	.13	Free Outfall		
		H=.20; Htw=.00; Qfree=.13;		
549.00	.25	Free Outfall		
		H=.30; Htw=.00; Qfree=.25;		
549.10	.38	Free Outfall		
		H=.40; Htw=.00; Qfree=.38;		
549.20	.53	Free Outfall		
		H=.50; Htw=.00; Qfree=.53;		
549.30	.70	Free Outfall		

H=.60; Htw=.00; Qfree=.70;

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
549.40	.88	Free Outfall		H=.70; Htw=.00; Qfree=.88;
549.50	1.07	Free Outfall		H=.80; Htw=.00; Qfree=1.07;
549.60	1.28	Free Outfall		H=.90; Htw=.00; Qfree=1.28;
549.70	1.50	Free Outfall		H=1.00; Htw=.00; Qfree=1.50;
549.80	1.73	Free Outfall		H=1.10; Htw=.00; Qfree=1.73;
549.90	1.97	Free Outfall		H=1.20; Htw=.00; Qfree=1.97;
550.00	.00	Free Outfall		E >= E2= 549.950
550.10	.00	Free Outfall		E >= E2= 549.950
550.20	.00	Free Outfall		E >= E2= 549.950
550.30	.00	Free Outfall		E >= E2= 549.950
550.40	.00	Free Outfall		E >= E2= 549.950
550.50	.00	Free Outfall		E >= E2= 549.950
550.60	.00	Free Outfall		E >= E2= 549.950
550.70	.00	Free Outfall		E >= E2= 549.950
550.80	.00	Free Outfall		E >= E2= 549.950
550.90	.00	Free Outfall		E >= E2= 549.950
551.00	.00	Free Outfall		

E >= E2= 549.950

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
551.10	.00	Free Outfall		
	E >= E2=	549.950		
551.20	.00	Free Outfall		
	E >= E2=	549.950		
551.30	.00	Free Outfall		
	E >= E2=	549.950		
551.40	.00	Free Outfall		
	E >= E2=	549.950		
551.50	.00	Free Outfall		
	E >= E2=	549.950		
551.60	.00	Free Outfall		
	E >= E2=	549.950		
551.70	.00	Free Outfall		
	E >= E2=	549.950		
551.80	.00	Free Outfall		
	E >= E2=	549.950		
551.90	.00	Free Outfall		
	E >= E2=	549.950		
552.00	.00	Free Outfall		
	E >= E2=	549.950		
552.10	.00	Free Outfall		
	E >= E2=	549.950		
552.20	.00	Free Outfall		
	E >= E2=	549.950		
552.30	.00	Free Outfall		
	E >= E2=	549.950		
552.40	.00	Free Outfall		
	E >= E2=	549.950		
552.50	.00	Free Outfall		
	E >= E2=	549.950		
552.60	.00	Free Outfall		
	E >= E2=	549.950		
552.70	.00	Free Outfall		

E >= E2= 549.950

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
552.80	.00	Free Outfall		
	E >= E2=	549.950		
552.90	.00	Free Outfall		
	E >= E2=	549.950		
553.00	.00	Free Outfall		
	E >= E2=	549.950		
553.10	.00	Free Outfall		
	E >= E2=	549.950		
553.20	.00	Free Outfall		
	E >= E2=	549.950		
553.30	.00	Free Outfall		
	E >= E2=	549.950		
553.40	.00	Free Outfall		
	E >= E2=	549.950		
553.50	.00	Free Outfall		
	E >= E2=	549.950		
553.60	.00	Free Outfall		
	E >= E2=	549.950		
553.70	.00	Free Outfall		
	E >= E2=	549.950		
553.80	.00	Free Outfall		
	E >= E2=	549.950		
553.90	.00	Free Outfall		
	E >= E2=	549.950		
554.00	.00	Free Outfall		
	E >= E2=	549.950		
554.10	.00	Free Outfall		
	E >= E2=	549.950		
554.20	.00	Free Outfall		
	E >= E2=	549.950		
554.30	.00	Free Outfall		
	E >= E2=	549.950		
554.40	.00	Free Outfall		

E >= E2= 549.950

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
554.50	.00	Free Outfall		
		E >= E2= 549.950		
554.60	.00	Free Outfall		
		E >= E2= 549.950		
554.70	.00	Free Outfall		
		E >= E2= 549.950		
554.80	.00	Free Outfall		
		E >= E2= 549.950		
554.90	.00	Free Outfall		
		E >= E2= 549.950		
555.00	.00	Free Outfall		
		E >= E2= 549.950		
555.10	.00	Free Outfall		
		E >= E2= 549.950		
555.20	.00	Free Outfall		
		E >= E2= 549.950		
555.30	.00	Free Outfall		
		E >= E2= 549.950		
555.40	.00	Free Outfall		
		E >= E2= 549.950		
555.50	.00	Free Outfall		
		E >= E2= 549.950		
555.60	.00	Free Outfall		
		E >= E2= 549.950		
555.70	.00	Free Outfall		
		E >= E2= 549.950		
555.80	.00	Free Outfall		
		E >= E2= 549.950		
555.90	.00	Free Outfall		
		E >= E2= 549.950		
556.00	.00	Free Outfall		
		E >= E2= 549.950		
556.10	.00	Free Outfall		

E >= E2= 549.950

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
556.20	.00	Free Outfall		
	E >= E2=	549.950		
556.30	.00	Free Outfall		
	E >= E2=	549.950		
556.40	.00	Free Outfall		
	E >= E2=	549.950		
556.50	.00	Free Outfall		
	E >= E2=	549.950		
556.60	.00	Free Outfall		
	E >= E2=	549.950		
556.70	.00	Free Outfall		
	E >= E2=	549.950		
556.80	.00	Free Outfall		
	E >= E2=	549.950		
556.90	.00	Free Outfall		
	E >= E2=	549.950		
557.00	.00	Free Outfall		
	E >= E2=	549.950		
557.10	.00	Free Outfall		
	E >= E2=	549.950		
557.20	.00	Free Outfall		
	E >= E2=	549.950		
557.30	.00	Free Outfall		
	E >= E2=	549.950		
557.40	.00	Free Outfall		
	E >= E2=	549.950		
557.50	.00	Free Outfall		
	E >= E2=	549.950		
557.60	.00	Free Outfall		
	E >= E2=	549.950		
557.70	.00	Free Outfall		
	E >= E2=	549.950		
557.75	.00	Free Outfall		

E >= E2= 549.950

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
557.80	.00	Free Outfall		
	E >= E2=	549.950		
557.90	.00	Free Outfall		
	E >= E2=	549.950		
558.00	.00	Free Outfall		
	E >= E2=	549.950		
558.10	.00	Free Outfall		
	E >= E2=	549.950		
558.20	.00	Free Outfall		
	E >= E2=	549.950		
558.30	.00	Free Outfall		
	E >= E2=	549.950		
558.40	.00	Free Outfall		
	E >= E2=	549.950		
558.50	.00	Free Outfall		
	E >= E2=	549.950		
558.60	.00	Free Outfall		
	E >= E2=	549.950		
558.70	.00	Free Outfall		
	E >= E2=	549.950		
558.80	.00	Free Outfall		
	E >= E2=	549.950		
558.90	.00	Free Outfall		
	E >= E2=	549.950		
559.00	.00	Free Outfall		
	E >= E2=	549.950		
559.10	.00	Free Outfall		
	E >= E2=	549.950		
559.20	.00	Free Outfall		
	E >= E2=	549.950		
559.30	.00	Free Outfall		
	E >= E2=	549.950		
559.40	.00	Free Outfall		

E >= E2= 549.950

S/N:
PondPack Ver: Compute Time: Date:

Name.... Outlet 6

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = LF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
559.50	.00	Free Outfall		
	E >= E2=	549.950		
559.60	.00	Free Outfall		
	E >= E2=	549.950		
559.70	.00	Free Outfall		
	E >= E2=	549.950		
559.80	.00	Free Outfall		
	E >= E2=	549.950		
559.90	.00	Free Outfall		
	E >= E2=	549.950		
560.00	.00	Free Outfall		
	E >= E2=	549.950		

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Weir-Rectangular)
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
546.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
546.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
546.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
546.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
546.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
546.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
546.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
546.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
546.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
546.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
547.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
547.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
547.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
547.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
547.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
547.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
547.60	.00	Free Outfall		

HW & TW below Inv.El.=557.750

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Weir-Rectangular)
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
547.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
547.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
547.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
548.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
549.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
549.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
549.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
549.30	.00	Free Outfall		

HW & TW below Inv.El.=557.750

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Weir-Rectangular)
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
549.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
549.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
549.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
549.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
549.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
549.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
550.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
551.00	.00	Free Outfall		

HW & TW below Inv.El.=557.750

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Weir-Rectangular)
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
551.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
551.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
551.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
551.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
551.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
551.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
551.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
551.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
551.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
552.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
552.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
552.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
552.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
552.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
552.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
552.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
552.70	.00	Free Outfall		

HW & TW below Inv.El.=557.750

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Weir-Rectangular)
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
552.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
552.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
553.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
554.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
554.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
554.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
554.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
554.40	.00	Free Outfall		

HW & TW below Inv.El.=557.750

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
554.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
554.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
554.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
554.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
554.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
555.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
556.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
556.10	.00	Free Outfall		

HW & TW below Inv.El.=557.750

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Weir-Rectangular)
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
556.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
556.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
556.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
556.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
556.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
556.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
556.80	.00	Free Outfall		HW & TW below Inv.El.=557.750
556.90	.00	Free Outfall		HW & TW below Inv.El.=557.750
557.00	.00	Free Outfall		HW & TW below Inv.El.=557.750
557.10	.00	Free Outfall		HW & TW below Inv.El.=557.750
557.20	.00	Free Outfall		HW & TW below Inv.El.=557.750
557.30	.00	Free Outfall		HW & TW below Inv.El.=557.750
557.40	.00	Free Outfall		HW & TW below Inv.El.=557.750
557.50	.00	Free Outfall		HW & TW below Inv.El.=557.750
557.60	.00	Free Outfall		HW & TW below Inv.El.=557.750
557.70	.00	Free Outfall		HW & TW below Inv.El.=557.750
557.75	.00	Free Outfall		

H=.00; Htw=.00; Qfree=.00;

S/N:
PondPack Ver: Compute Time: Date:

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Weir-Rectangular)
Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
557.80	.37	Free Outfall		H=.05; Htw=.00; Qfree=.37;
557.90	1.92	Free Outfall		H=.15; Htw=.00; Qfree=1.92;
558.00	4.13	Free Outfall		H=.25; Htw=.00; Qfree=4.13;
558.10	6.83	Free Outfall		H=.35; Htw=.00; Qfree=6.83;
558.20	9.96	Free Outfall		H=.45; Htw=.00; Qfree=9.96;
558.30	13.46	Free Outfall		H=.55; Htw=.00; Qfree=13.46;
558.40	17.29	Free Outfall		H=.65; Htw=.00; Qfree=17.29;
558.50	21.43	Free Outfall		H=.75; Htw=.00; Qfree=21.43;
558.60	25.86	Free Outfall		H=.85; Htw=.00; Qfree=25.86;
558.70	30.56	Free Outfall		H=.95; Htw=.00; Qfree=30.56;
558.80	35.51	Free Outfall		H=1.05; Htw=.00; Qfree=35.51;
558.90	40.70	Free Outfall		H=1.15; Htw=.00; Qfree=40.70;
559.00	46.12	Free Outfall		H=1.25; Htw=.00; Qfree=46.12;
559.10	51.76	Free Outfall		H=1.35; Htw=.00; Qfree=51.76;
559.20	57.62	Free Outfall		H=1.45; Htw=.00; Qfree=57.62;
559.30	63.68	Free Outfall		H=1.55; Htw=.00; Qfree=63.68;
559.40	69.94	Free Outfall		

H=1.65; Htw=.00; Qfree=69.94;

S/N:
PondPack Ver: Compute Time: Date:

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = OF (Weir-Rectangular)

Upstream ID = (Pond Water Surface)
DNstream ID = TW (Pond Outfall)

WS Elev, ft	Device Q, cfs	Tail Water TW Elev, ft	Converge +/-ft	Notes Computation Messages
559.50	76.40	Free Outfall		H=1.75; Htw=.00; Qfree=76.40;
559.60	83.04	Free Outfall		H=1.85; Htw=.00; Qfree=83.04;
559.70	89.86	Free Outfall		H=1.95; Htw=.00; Qfree=89.86;
559.80	96.86	Free Outfall		H=2.05; Htw=.00; Qfree=96.86;
559.90	104.03	Free Outfall		H=2.15; Htw=.00; Qfree=104.03;
560.00	111.38	Free Outfall		H=2.25; Htw=.00; Qfree=111.38;

Name.... Outlet 6

File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
546.00	.00	Free Outfall		None contributing
546.10	.00	Free Outfall		None contributing
546.20	.00	Free Outfall		None contributing
546.30	.00	Free Outfall		None contributing
546.40	.00	Free Outfall		None contributing
546.50	.00	Free Outfall		None contributing
546.60	.00	Free Outfall		None contributing
546.70	.00	Free Outfall		None contributing
546.80	.00	Free Outfall		None contributing
546.90	.00	Free Outfall		None contributing
547.00	.00	Free Outfall		None contributing
547.10	.00	Free Outfall		None contributing
547.20	.00	Free Outfall		None contributing
547.30	.00	Free Outfall		None contributing
547.40	.00	Free Outfall		None contributing
547.50	.00	Free Outfall		None contributing
547.60	.00	Free Outfall		None contributing
547.70	.00	Free Outfall		None contributing
547.80	.00	Free Outfall		None contributing
547.90	.00	Free Outfall		None contributing
548.00	.00	Free Outfall		None contributing
548.10	.00	Free Outfall		None contributing
548.20	.00	Free Outfall		None contributing
548.30	.00	Free Outfall		None contributing
548.40	.00	Free Outfall		None contributing
548.50	.00	Free Outfall		None contributing
548.60	.00	Free Outfall		None contributing
548.70	.00	Free Outfall		LF
548.80	.05	Free Outfall		LF
548.90	.13	Free Outfall		LF
549.00	.25	Free Outfall		LF
549.10	.38	Free Outfall		LF
549.20	.53	Free Outfall		LF
549.30	.70	Free Outfall		LF
549.40	.88	Free Outfall		LF
549.50	1.07	Free Outfall		LF
549.60	1.28	Free Outfall		LF
549.70	1.50	Free Outfall		LF

S/N:
PondPack Ver: Compute Time: Date:

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
549.80	1.73	Free Outfall		LF
549.90	1.97	Free Outfall		LF
550.00	2.15	Free Outfall		LO
550.10	2.28	Free Outfall		LO
550.20	2.41	Free Outfall		LO
550.30	2.52	Free Outfall		LO
550.40	2.64	Free Outfall		LO
550.50	2.74	Free Outfall		LO
550.60	2.85	Free Outfall		LO
550.70	2.95	Free Outfall		LO
550.80	3.04	Free Outfall		LO
550.90	3.14	Free Outfall		LO
551.00	3.23	Free Outfall		LO
551.10	3.32	Free Outfall		LO
551.20	3.40	Free Outfall		LO
551.30	3.49	Free Outfall		LO
551.40	3.57	Free Outfall		LO
551.50	3.65	Free Outfall		LO
551.60	3.73	Free Outfall		LO
551.70	3.81	Free Outfall		LO
551.80	3.88	Free Outfall		LO
551.90	3.95	Free Outfall		LO
552.00	4.03	Free Outfall		LO
552.10	4.10	Free Outfall		LO
552.20	4.17	Free Outfall		LO
552.30	4.24	Free Outfall		LO
552.40	4.30	Free Outfall		LO
552.50	4.37	Free Outfall		LO
552.60	4.44	Free Outfall		LO
552.70	4.50	Free Outfall		LO
552.80	4.57	Free Outfall		LO
552.90	4.63	Free Outfall		LO
553.00	4.69	Free Outfall		LO
553.10	4.75	Free Outfall		LO
553.20	4.81	Free Outfall		LO
553.30	4.87	Free Outfall		LO
553.40	4.93	Free Outfall		LO
553.50	4.99	Free Outfall		LO

S/N:
PondPack Ver: Compute Time: Date:

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
553.60	5.05	Free Outfall		LO
553.70	5.10	Free Outfall		LO
553.80	5.16	Free Outfall		LO
553.90	5.22	Free Outfall		LO
554.00	5.27	Free Outfall		LO
554.10	5.33	Free Outfall		LO
554.20	5.38	Free Outfall		LO
554.30	5.43	Free Outfall		LO
554.40	5.49	Free Outfall		LO
554.50	5.54	Free Outfall		LO
554.60	5.59	Free Outfall		LO
554.70	5.64	Free Outfall		LO
554.80	5.69	Free Outfall		LO
554.90	5.75	Free Outfall		LO
555.00	5.80	Free Outfall		LO
555.10	5.85	Free Outfall		LO
555.20	5.89	Free Outfall		LO
555.30	5.94	Free Outfall		LO
555.40	5.99	Free Outfall		LO
555.50	6.04	Free Outfall		LO
555.60	6.09	Free Outfall		LO
555.70	6.14	Free Outfall		LO
555.80	6.18	Free Outfall		LO
555.90	6.23	Free Outfall		LO
556.00	6.28	Free Outfall		LO
556.10	6.32	Free Outfall		LO
556.20	6.37	Free Outfall		LO
556.30	6.41	Free Outfall		LO
556.40	6.46	Free Outfall		LO
556.50	6.50	Free Outfall		LO
556.60	6.55	Free Outfall		LO
556.70	6.59	Free Outfall		LO
556.80	6.63	Free Outfall		LO
556.90	6.68	Free Outfall		LO
557.00	6.72	Free Outfall		LO
557.10	6.76	Free Outfall		LO
557.20	6.81	Free Outfall		LO
557.30	6.85	Free Outfall		LO

S/N:
PondPack Ver: Compute Time: Date:

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

WS Elev, Total Q		Converge		Notes
Elev. ft	Q cfs	TW Elev ft	Error +/-ft	Contributing Structures
557.40	6.89	Free Outfall		LO
557.50	6.93	Free Outfall		LO
557.60	6.97	Free Outfall		LO
557.70	7.02	Free Outfall		LO
557.75	7.04	Free Outfall		LO +OF
557.80	7.43	Free Outfall		LO +OF
557.90	9.02	Free Outfall		LO +OF
558.00	11.26	Free Outfall		LO +OF
558.10	14.01	Free Outfall		LO +OF
558.20	17.18	Free Outfall		LO +OF
558.30	20.72	Free Outfall		LO +OF
558.40	24.59	Free Outfall		LO +OF
558.50	28.77	Free Outfall		LO +OF
558.60	33.24	Free Outfall		LO +OF
558.70	37.97	Free Outfall		LO +OF
558.80	42.96	Free Outfall		LO +OF
558.90	48.19	Free Outfall		LO +OF
559.00	53.65	Free Outfall		LO +OF
559.10	59.33	Free Outfall		LO +OF
559.20	65.23	Free Outfall		LO +OF
559.30	71.33	Free Outfall		LO +OF
559.40	77.63	Free Outfall		LO +OF
559.50	84.12	Free Outfall		LO +OF
559.60	90.80	Free Outfall		LO +OF
559.70	97.66	Free Outfall		LO +OF
559.80	104.69	Free Outfall		LO +OF
559.90	111.91	Free Outfall		LO +OF
560.00	119.28	Free Outfall		LO +OF

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN2 IN 15
Outflow HYG file = NONE STORED - BASIN2 OUT 15

Pond Node Data = BASIN2
Pond Volume Data = BASIN2
Pond Outlet Data = Outlet 2

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	572.99 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
572.99	.00	0	1	.00	.00	.00
573.09	.03	0	2	.00	.03	.04
573.19	.18	0	2	.00	.18	.18
573.29	.43	1	3	.00	.43	.43
573.39	.75	1	4	.00	.75	.76
573.49	1.16	1	5	.00	1.16	1.17
573.59	1.64	3	27	.00	1.64	1.67
573.69	2.21	8	73	.00	2.21	2.30
573.79	2.85	18	142	.00	2.85	3.05
573.89	3.56	37	232	.00	3.56	3.97

573.99	4.33	65	345	.00	4.33
5.05					
574.09	5.15	107	501	.00	5.15
6.34					
574.19	6.04	166	689	.00	6.04
7.89					
574.29	6.98	246	907	.00	6.98
9.72					
574.39	7.97	349	1155	.00	7.97
11.85					
574.49	9.01	478	1433	.00	9.01
14.32					
574.59	10.07	636	1741	.00	10.07
17.14					
574.69	11.16	827	2079	.00	11.16
20.35					
574.79	12.29	1053	2446	.00	12.29
23.99					
574.89	13.44	1317	2844	.00	13.44
28.08					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN2 IN 15
Outflow HYG file = NONE STORED - BASIN2 OUT 15

Pond Node Data = BASIN2
Pond Volume Data = BASIN2
Pond Outlet Data = Outlet 2

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	572.99 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
574.99	15.12	1623	3272	.00	15.12	33.15
575.09	15.86	1973	3729	.00	15.86	37.78
575.19	16.56	2370	4217	.00	16.56	42.90
575.29	17.24	2817	4735	.00	17.24	48.54
575.39	17.89	3318	5282	.00	17.89	54.76
575.49	18.52	3875	5859	.00	18.52	61.57
575.59	19.13	4490	6467	.00	19.13	69.02
575.69	19.71	5169	7104	.00	19.71	77.15
575.79	20.29	5912	7771	.00	20.29	85.98
575.89	20.84	6724	8469	.00	20.84	95.56

575.99	21.38	7607	9196	.00	21.38
105.91					
576.09	21.91	8539	9391	.00	21.91
116.79					
576.19	22.43	9485	9526	.00	22.43
127.82					
576.29	22.93	10444	9662	.00	22.93
138.98					
576.39	23.42	11418	9799	.00	23.42
150.29					
576.49	23.91	12404	9937	.00	23.91
161.73					
576.59	24.38	13405	10076	.00	24.38
173.32					
576.69	24.85	14420	10216	.00	24.85
185.06					
576.79	25.30	15448	10357	.00	25.30
196.95					
576.89	25.75	16491	10499	.00	25.75
208.99					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN2 IN 15
Outflow HYG file = NONE STORED - BASIN2 OUT 15

Pond Node Data = BASIN2
Pond Volume Data = BASIN2
Pond Outlet Data = Outlet 2

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 572.99	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
576.99	26.19	17548	10642	.00	26.19	221.17
577.09	26.62	18619	10786	.00	26.62	233.50
577.19	27.05	19705	10931	.00	27.05	246.00
577.29	27.47	20805	11076	.00	27.47	258.64
577.39	27.88	21921	11223	.00	27.88	271.45
577.49	28.29	23050	11371	.00	28.29	284.40
577.59	28.69	24194	11519	.00	28.69	297.52
577.69	29.09	25354	11669	.00	29.09	310.80
577.79	29.48	26528	11820	.00	29.48	324.23
577.89	29.86	27718	11971	.00	29.86	337.84

577.99	30.24	28923	12124	.00	30.24
351.61					
578.09	30.62	30143	12278	.00	30.62
365.53					
578.19	30.99	31379	12433	.00	30.99
379.64					
578.29	31.35	32629	12590	.00	31.35
393.90					
578.39	31.72	33897	12747	.00	31.72
408.35					
578.49	32.08	35179	12905	.00	32.08
422.95					
578.59	32.43	36477	13065	.00	32.43
437.73					
578.69	32.78	37792	13225	.00	32.78
452.69					
578.79	33.13	39122	13386	.00	33.13
467.82					
578.89	33.47	40470	13549	.00	33.47
483.13					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN2 IN 15
Outflow HYG file = NONE STORED - BASIN2 OUT 15

Pond Node Data = BASIN2
Pond Volume Data = BASIN2
Pond Outlet Data = Outlet 2

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 572.99	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
578.99	33.81	41832	13712	.00	33.81	498.61
579.09	34.15	43211	13876	.00	34.15	514.27
579.19	34.48	44608	14041	.00	34.48	530.12
579.29	34.81	46020	14207	.00	34.81	546.14
579.39	35.14	47449	14374	.00	35.14	562.35
579.49	35.46	48895	14542	.00	35.46	578.74
579.59	35.78	50357	14712	.00	35.78	595.31
579.69	36.10	51837	14882	.00	36.10	612.07
579.79	36.42	53334	15053	.00	36.42	629.01
579.89	36.73	54848	15225	.00	36.73	646.15

579.99	37.04	56379	15398	.00	37.04
663.47					
580.09	37.35	57927	15569	.00	37.35
680.98					
580.19	37.65	59493	15740	.00	37.65
698.68					
580.29	37.95	61075	15913	.00	37.95
716.56					
580.39	38.25	62676	16087	.00	38.25
734.65					
580.49	38.55	64293	16261	.00	38.55
752.91					
580.59	38.85	65927	16437	.00	38.85
771.37					
580.69	39.14	67580	16613	.00	39.14
790.03					
580.79	39.43	69250	16790	.00	39.43
808.87					
580.89	39.72	70939	16969	.00	39.72
827.92					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN2 IN 15
Outflow HYG file = NONE STORED - BASIN2 OUT 15

Pond Node Data = BASIN2
Pond Volume Data = BASIN2
Pond Outlet Data = Outlet 2

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 572.99	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
580.99	40.01	72644	17148	.00	40.01	847.16
581.09	40.29	74367	17328	.00	40.29	866.59
581.19	40.57	76110	17509	.00	40.57	886.24
581.29	40.85	77869	17691	.00	40.85	906.07
581.39	44.17	79648	17874	.00	44.17	929.15
581.49	50.00	81444	18058	.00	50.00	954.94
581.59	57.46	83259	18243	.00	57.46	982.56
581.69	66.25	85093	18429	.00	66.25	1011.73
581.79	76.17	86945	18616	.00	76.17	1042.23
581.89	87.12	88817	18803	.00	87.12	1073.97

581.99	98.99	90706	18992	.00	98.99
1106.84					
582.09	111.72	92614	19177	.00	111.72
1140.77					
582.19	125.27	94542	19362	.00	125.27
1175.73					
582.29	139.56	96487	19548	.00	139.56
1211.64					
582.39	154.58	98452	19735	.00	154.58
1248.49					
582.49	170.28	100434	19923	.00	170.28
1286.22					
582.59	186.63	102435	20112	.00	186.63
1324.80					
582.69	203.63	104457	20301	.00	203.63
1364.26					
582.79	221.22	106496	20492	.00	221.22
1404.51					
582.89	239.41	108555	20683	.00	239.41
1445.58					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN2 IN 15
Outflow HYG file = NONE STORED - BASIN2 OUT 15

Pond Node Data = BASIN2
Pond Volume Data = BASIN2
Pond Outlet Data = Outlet 2

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	572.99 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
582.99	258.15	110633	20876	.00	258.15	1487.40
583.00	260.06	110842	20895	.00	260.06	1491.63

SUMMARY FOR HYDROGRAPH ADDITION
at Node: BASIN2 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 50	BASIN2		BASIN2	15

INFLOWS TO: BASIN2 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN2	15	273261	12.1000	75.00

TOTAL FLOW INTO: BASIN2 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
BASIN2	IN	15	273261	12.1000	75.00

TOTAL NODE INFLOW...
HYG file =
HYG ID = BASIN2 IN
HYG Tag = 15

Peak Discharge	75.00 cfs
Time to Peak	12.1000 hrs
HYG Volume	273261 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
6.6500	.00	.00	.00	.01
6.9000	.02	.03	.04	.04
7.1500	.06	.07	.08	.09
7.4000	.12	.13	.14	.15
7.6500	.17	.18	.20	.21
7.9000	.23	.24	.26	.27
8.1500	.29	.31	.32	.34
8.4000	.37	.39	.41	.43
8.6500	.48	.50	.53	.55
8.9000	.61	.63	.66	.69
9.1500	.75	.78	.80	.83
9.4000	.87	.89	.92	.94
9.6500	.98	1.00	1.03	1.07
9.9000	1.14	1.19	1.23	1.28

1.10
1.33

10.1500	1.38	1.44	1.50	1.56	1.63
10.4000	1.70	1.77	1.85	1.93	2.01
10.6500	2.10	2.20	2.30	2.41	2.53
10.9000	2.65	2.79	2.92	3.07	3.23
11.1500	3.40	3.59	3.81	4.06	4.34
11.4000	4.64	4.96	5.31	5.79	6.53
11.6500	7.89	10.10	13.63	18.62	25.82
11.9000	35.61	47.80	60.60	70.42	75.00
12.1500	73.29	66.28	56.74	47.15	38.73
12.4000	32.18	27.21	23.34	20.19	17.64
12.6500	15.55	13.84	12.46	11.35	10.45
12.9000	9.73	9.12	8.60	8.14	7.74
13.1500	7.39	7.09	6.84	6.62	6.42
13.4000	6.23	6.06	5.90	5.74	5.59
13.6500	5.44	5.30	5.17	5.04	4.92
13.9000	4.81	4.70	4.59	4.48	4.38
14.1500	4.28	4.19	4.11	4.04	3.98

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
14.4000	3.92	3.87	3.83	3.79 3.75
14.6500	3.71	3.67	3.63	3.59 3.56
14.9000	3.52	3.48	3.45	3.41 3.37
15.1500	3.34	3.30	3.26	3.23 3.19
15.4000	3.16	3.12	3.08	3.05 3.01
15.6500	2.97	2.94	2.90	2.86 2.83
15.9000	2.79	2.75	2.72	2.68 2.64
16.1500	2.61	2.58	2.55	2.52 2.50
16.4000	2.48	2.47	2.45	2.43 2.42
16.6500	2.40	2.39	2.38	2.36 2.35
16.9000	2.34	2.32	2.31	2.30 2.28
17.1500	2.27	2.26	2.25	2.23 2.22
17.4000	2.21	2.19	2.18	2.17 2.15
17.6500	2.14	2.13	2.11	2.10 2.09
17.9000	2.07	2.06	2.05	2.03 2.02
18.1500	2.01	2.00	1.98	1.97 1.96
18.4000	1.94	1.93	1.92	1.90 1.89
18.6500	1.88	1.86	1.85	1.84 1.82
18.9000	1.81	1.80	1.78	1.77 1.76
19.1500	1.74	1.73	1.71	1.70 1.69

19.4000	1.67	1.66	1.65	1.63	1.62
19.6500	1.61	1.59	1.58	1.57	1.55
19.9000	1.54	1.53	1.51	1.50	1.49
20.1500	1.47	1.46	1.45	1.45	1.44
20.4000	1.43	1.43	1.42	1.42	1.42
20.6500	1.41	1.41	1.41	1.41	1.40
20.9000	1.40	1.40	1.40	1.39	1.39
21.1500	1.39	1.38	1.38	1.38	1.38
21.4000	1.37	1.37	1.37	1.37	1.36
21.6500	1.36	1.36	1.36	1.35	1.35
21.9000	1.35	1.35	1.34	1.34	1.34
22.1500	1.34	1.33	1.33	1.33	1.32
22.4000	1.32	1.32	1.32	1.31	1.31
22.6500	1.31	1.31	1.30	1.30	1.30
22.9000	1.30	1.29	1.29	1.29	1.29
23.1500	1.28	1.28	1.28	1.27	1.27
23.4000	1.27	1.27	1.26	1.26	1.26
23.6500	1.26	1.25	1.25	1.25	1.25
23.9000	1.24	1.24	1.24	1.21	1.15
24.1500	1.04	.87	.69	.52	.38
24.4000	.27	.20	.14	.10	.08
24.6500	.05	.04	.03	.02	.01
24.9000	.01	.01	.00	.00	.00
25.1500	.00				

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: BASIN2 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 50	BASIN2		BASIN2	25

INFLOWS TO: BASIN2 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN2	25	312030	12.1000	85.53

TOTAL FLOW INTO: BASIN2 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN2 IN	25	312030	12.1000	85.53

TOTAL NODE INFLOW...
HYG file =
HYG ID = BASIN2 IN
HYG Tag = 25

Peak Discharge	85.53 cfs
Time to Peak	12.1000 hrs
HYG Volume	312030 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
6.2500	.00	.00	.01	.01
6.5000	.02	.03	.04	.05
6.7500	.08	.09	.10	.11
7.0000	.13	.15	.16	.17
7.2500	.20	.21	.22	.23
7.5000	.26	.27	.29	.30
7.7500	.33	.34	.36	.37
8.0000	.40	.41	.43	.44
8.2500	.48	.50	.52	.54
8.5000	.59	.62	.64	.67
8.7500	.73	.76	.79	.82
9.0000	.89	.92	.96	.99
9.2500	1.06	1.09	1.11	1.14
9.5000	1.19	1.21	1.23	1.26

1.03
1.16
1.29

9.7500	1.32	1.36	1.40	1.45
1.50				
10.0000	1.55	1.61	1.67	1.73
1.80				
10.2500	1.87	1.94	2.02	2.11
2.19				
10.5000	2.29	2.38	2.48	2.58
2.70				
10.7500	2.82	2.95	3.09	3.23
3.39				
11.0000	3.55	3.72	3.90	4.10
4.33				
11.2500	4.59	4.87	5.20	5.54
5.92				
11.5000	6.33	6.88	7.74	9.33
11.91				
11.7500	16.01	21.77	30.05	41.23
55.07				
12.0000	69.52	80.52	85.53	83.41
75.31				
12.2500	64.39	53.46	43.87	36.41
30.76				
12.5000	26.36	22.78	19.88	17.51
15.58				
12.7500	14.01	12.76	11.75	10.92
10.24				
13.0000	9.65	9.14	8.68	8.29
7.95				
13.2500	7.67	7.42	7.19	6.98
6.79				
13.5000	6.61	6.43	6.26	6.09
5.94				
13.7500	5.79	5.65	5.51	5.38
5.26				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
14.0000	5.14	5.02	4.90	4.79	4.69
14.2500	4.60	4.52	4.45	4.39	4.33
14.5000	4.28	4.24	4.19	4.15	4.10
14.7500	4.06	4.02	3.98	3.94	3.89
15.0000	3.85	3.81	3.77	3.73	3.69
15.2500	3.65	3.61	3.57	3.53	3.49
15.5000	3.44	3.40	3.36	3.32	3.28
15.7500	3.24	3.20	3.16	3.12	3.07
16.0000	3.03	2.99	2.95	2.91	2.88
16.2500	2.85	2.82	2.79	2.77	2.75
16.5000	2.73	2.72	2.70	2.68	2.67
16.7500	2.65	2.64	2.62	2.61	2.59
17.0000	2.58	2.56	2.55	2.54	2.52
17.2500	2.51	2.49	2.48	2.46	2.45
17.5000	2.43	2.42	2.40	2.39	2.37
17.7500	2.36	2.34	2.33	2.31	2.30
18.0000	2.29	2.27	2.26	2.24	2.23
18.2500	2.21	2.20	2.18	2.17	2.15
18.5000	2.14	2.12	2.11	2.09	2.08
18.7500	2.06	2.05	2.03	2.02	2.00

19.0000	1.99	1.97	1.96	1.94
1.93				
19.2500	1.91	1.90	1.88	1.87
1.85				
19.5000	1.84	1.82	1.81	1.79
1.78				
19.7500	1.76	1.75	1.73	1.72
1.70				
20.0000	1.69	1.67	1.66	1.64
1.63				
20.2500	1.62	1.61	1.60	1.60
1.59				
20.5000	1.59	1.58	1.58	1.58
1.57				
20.7500	1.57	1.57	1.56	1.56
1.56				
21.0000	1.55	1.55	1.55	1.55
1.54				
21.2500	1.54	1.54	1.53	1.53
1.53				
21.5000	1.53	1.52	1.52	1.52
1.51				
21.7500	1.51	1.51	1.51	1.50
1.50				
22.0000	1.50	1.49	1.49	1.49
1.48				
22.2500	1.48	1.48	1.48	1.47
1.47				
22.5000	1.47	1.46	1.46	1.46
1.46				
22.7500	1.45	1.45	1.45	1.44
1.44				
23.0000	1.44	1.43	1.43	1.43
1.43				
23.2500	1.42	1.42	1.42	1.41
1.41				
23.5000	1.41	1.41	1.40	1.40
1.40				
23.7500	1.39	1.39	1.39	1.38
1.38				
24.0000	1.38	1.35	1.28	1.15
.97				
24.2500	.77	.58	.43	.31
.22				
24.5000	.16	.12	.08	.06
.04				
24.7500	.03	.02	.02	.01
.01				
25.0000	.00	.00	.00	.00

SUMMARY FOR HYDROGRAPH ADDITION
at Node: BASIN2 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 50	BASIN2		BASIN2	100

INFLOWS TO: BASIN2 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN2	100	415166	12.1000	113.14

TOTAL FLOW INTO: BASIN2 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN2 IN	100	415166	12.1000	113.14

TOTAL NODE INFLOW...
HYG file =
HYG ID = BASIN2 IN
HYG Tag = 100

Peak Discharge =	113.14 cfs
Time to Peak =	12.1000 hrs
HYG Volume =	415166 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
5.3500	.00	.00	.01	.01 .02
5.6000	.03	.04	.05	.06 .07
5.8500	.09	.10	.12	.13 .14
6.1000	.16	.17	.19	.21 .22
6.3500	.24	.25	.27	.29 .30
6.6000	.32	.33	.35	.37 .38
6.8500	.40	.42	.44	.45 .47
7.1000	.49	.51	.52	.54 .56
7.3500	.58	.60	.61	.63 .65
7.6000	.67	.69	.71	.73 .74
7.8500	.76	.78	.80	.82 .84
8.1000	.86	.88	.91	.93 .96
8.3500	1.00	1.03	1.07	1.10 1.14
8.6000	1.18	1.23	1.27	1.32 1.36

8.8500	1.41	1.46	1.50	1.55	1.61
9.1000	1.66	1.70	1.75	1.79	1.83
9.3500	1.87	1.90	1.94	1.97	1.99
9.6000	2.02	2.06	2.10	2.14	2.20
9.8500	2.26	2.32	2.40	2.47	2.55
10.1000	2.63	2.72	2.82	2.92	3.03
10.3500	3.14	3.26	3.38	3.51	3.64
10.6000	3.78	3.93	4.08	4.25	4.43
10.8500	4.63	4.83	5.05	5.27	5.51
11.1000	5.76	6.04	6.35	6.70	7.10
11.3500	7.55	8.03	8.54	9.10	9.86
11.6000	11.05	13.24	16.78	22.39	30.21
11.8500	41.33	56.16	74.30	93.04	107.06
12.1000	113.14	109.91	98.94	84.40	69.92
12.3500	57.27	47.45	40.01	34.23	29.53
12.6000	25.73	22.63	20.10	18.06	16.42
12.8500	15.11	14.04	13.15	12.38	11.71

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
13.1000	11.12	10.61	10.18	9.81	9.49
13.3500	9.20	8.93	8.68	8.44	8.22
13.6000	8.00	7.79	7.59	7.39	7.21
13.8500	7.04	6.87	6.71	6.55	6.40
14.1000	6.25	6.11	5.98	5.87	5.77
14.3500	5.68	5.60	5.53	5.46	5.40
14.6000	5.34	5.28	5.23	5.17	5.12
14.8500	5.06	5.01	4.96	4.91	4.85
15.1000	4.80	4.75	4.70	4.64	4.59
15.3500	4.54	4.49	4.43	4.38	4.33
15.6000	4.28	4.22	4.17	4.12	4.07
15.8500	4.01	3.96	3.91	3.86	3.80
16.1000	3.75	3.70	3.66	3.62	3.58
16.3500	3.55	3.52	3.50	3.47	3.45
16.6000	3.43	3.41	3.39	3.37	3.35
16.8500	3.33	3.31	3.29	3.27	3.26
17.1000	3.24	3.22	3.20	3.18	3.16
17.3500	3.14	3.12	3.11	3.09	3.07
17.6000	3.05	3.03	3.01	2.99	2.97
17.8500	2.96	2.94	2.92	2.90	2.88

18.1000	2.86	2.84	2.82	2.80	2.78
18.3500	2.77	2.75	2.73	2.71	2.69
18.6000	2.67	2.65	2.63	2.61	2.59
18.8500	2.58	2.56	2.54	2.52	2.50
19.1000	2.48	2.46	2.44	2.42	2.40
19.3500	2.38	2.37	2.35	2.33	2.31
19.6000	2.29	2.27	2.25	2.23	2.21
19.8500	2.19	2.17	2.15	2.14	2.12
20.1000	2.10	2.08	2.07	2.05	2.04
20.3500	2.03	2.02	2.02	2.01	2.00
20.6000	2.00	2.00	1.99	1.99	1.98
20.8500	1.98	1.97	1.97	1.97	1.96
21.1000	1.96	1.96	1.95	1.95	1.94
21.3500	1.94	1.94	1.93	1.93	1.93
21.6000	1.92	1.92	1.91	1.91	1.91
21.8500	1.90	1.90	1.90	1.89	1.89
22.1000	1.89	1.88	1.88	1.87	1.87
22.3500	1.87	1.86	1.86	1.85	1.85
22.6000	1.85	1.84	1.84	1.84	1.83
22.8500	1.83	1.82	1.82	1.82	1.81
23.1000	1.81	1.81	1.80	1.80	1.79
23.3500	1.79	1.79	1.78	1.78	1.78
23.6000	1.77	1.77	1.76	1.76	1.76
23.8500	1.75	1.75	1.75	1.74	1.71
24.1000	1.62	1.46	1.23	.98	.74

Name.... BASIN2 IN Event: 100 yr
File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW
Storm... TypeII 24hr Tag: 100

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
24.3500	.54	.39	.28	.20	.15
24.6000	.11	.08	.05	.04	.03
24.8500	.02	.01	.01	.01	.00
25.1000	.00	.00			

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN2 IN 15
Outflow HYG file = NONE STORED - BASIN2 OUT 15

Pond Node Data = BASIN2
Pond Volume Data = BASIN2
Pond Outlet Data = Outlet 2

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	572.99 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	75.00 cfs	at	12.1000 hrs
Peak Outflow	=	36.22 cfs	at	12.3500 hrs
Peak Elevation	=	579.73 ft		
Peak Storage	=	52419 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	273261
- Infiltration	=	0
- HYG Vol OUT	=	273261
- Retained Vol	=	0
Unrouted Vol	=	0 cu.ft (.000% of Outflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = BASIN2 OUT
HYG Tag = 15

Peak Discharge	36.22 cfs
Time to Peak	12.3500 hrs
HYG Volume	273261 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
6.6500	.00	.00	.00	.01
6.9000	.02	.02	.03	.04
7.1500	.06	.07	.08	.09
7.4000	.11	.12	.13	.14
7.6500	.17	.18	.19	.20
7.9000	.23	.24	.25	.26
8.1500	.29	.30	.31	.33
8.4000	.36	.38	.40	.42
8.6500	.47	.49	.52	.54
8.9000	.59	.62	.65	.68
9.1500	.73	.76	.79	.81
9.4000	.86	.88	.90	.93
9.6500	.97	.99	1.02	1.05
9.9000	1.12	1.16	1.21	1.25

Time hrs				
1.30				

10.1500	1.35	1.41	1.47	1.53	1.59
10.4000	1.66	1.73	1.81	1.89	1.97
10.6500	2.06	2.15	2.25	2.35	2.47
10.9000	2.59	2.72	2.85	3.00	3.15
11.1500	3.31	3.50	3.70	3.94	4.20
11.4000	4.49	4.80	5.13	5.55	6.16
11.6500	7.21	8.99	11.87	14.82	17.06
11.9000	19.51	22.00	24.77	27.66	30.32
12.1500	32.54	34.20	35.32	35.96	36.22
12.4000	36.19	35.95	35.54	34.99	34.33
12.6500	33.57	32.71	31.78	30.76	29.67
12.9000	28.52	27.31	26.04	24.71	23.33
13.1500	21.90	20.36	18.42	15.75	9.31
13.4000	6.32	6.15	5.98	5.82	5.66
13.6500	5.51	5.37	5.24	5.11	4.98
13.9000	4.87	4.75	4.64	4.53	4.43
14.1500	4.33	4.24	4.15	4.08	4.01

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
14.4000	3.95	3.90	3.85	3.81 3.77
14.6500	3.73	3.69	3.65	3.61 3.57
14.9000	3.54	3.50	3.46	3.43 3.39
15.1500	3.36	3.32	3.28	3.25 3.21
15.4000	3.17	3.14	3.10	3.06 3.03
15.6500	2.99	2.95	2.92	2.88 2.84
15.9000	2.81	2.77	2.73	2.70 2.66
16.1500	2.63	2.59	2.56	2.54 2.51
16.4000	2.49	2.47	2.46	2.44 2.43
16.6500	2.41	2.40	2.38	2.37 2.36
16.9000	2.34	2.33	2.32	2.30 2.29
17.1500	2.28	2.27	2.25	2.24 2.23
17.4000	2.21	2.20	2.19	2.17 2.16
17.6500	2.15	2.13	2.12	2.11 2.09
17.9000	2.08	2.07	2.05	2.04 2.03
18.1500	2.02	2.00	1.99	1.98 1.96
18.4000	1.95	1.94	1.92	1.91 1.90
18.6500	1.88	1.87	1.86	1.84 1.83
18.9000	1.82	1.80	1.79	1.78 1.76
19.1500	1.75	1.74	1.72	1.71 1.69

19.4000	1.68	1.67	1.65	1.64
1.63				
19.6500	1.61	1.60	1.59	1.57
1.56				
19.9000	1.55	1.53	1.52	1.51
1.49				
20.1500	1.48	1.47	1.46	1.45
1.44				
20.4000	1.44	1.43	1.43	1.42
1.42				
20.6500	1.42	1.41	1.41	1.41
1.40				
20.9000	1.40	1.40	1.40	1.39
1.39				
21.1500	1.39	1.39	1.38	1.38
1.38				
21.4000	1.38	1.37	1.37	1.37
1.37				
21.6500	1.36	1.36	1.36	1.35
1.35				
21.9000	1.35	1.35	1.34	1.34
1.34				
22.1500	1.34	1.33	1.33	1.33
1.33				
22.4000	1.32	1.32	1.32	1.32
1.31				
22.6500	1.31	1.31	1.31	1.30
1.30				
22.9000	1.30	1.29	1.29	1.29
1.29				
23.1500	1.28	1.28	1.28	1.28
1.27				
23.4000	1.27	1.27	1.27	1.26
1.26				
23.6500	1.26	1.26	1.25	1.25
1.25				
23.9000	1.24	1.24	1.24	1.22
1.18				
24.1500	1.09	.95	.78	.61
.45				
24.4000	.33	.24	.17	.12
.09				
24.6500	.06	.05	.03	.02
.02				
24.9000	.01	.01	.01	.00
.00				
25.1500	.00			

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN2 IN 25
Outflow HYG file = NONE STORED - BASIN2 OUT 25

Pond Node Data = BASIN2
Pond Volume Data = BASIN2
Pond Outlet Data = Outlet 2

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	572.99 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	85.53 cfs	at	12.1000 hrs
Peak Outflow	=	38.64 cfs	at	12.4000 hrs
Peak Elevation	=	580.52 ft		
Peak Storage	=	64776 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	312030
- Infiltration	=	0
- HYG Vol OUT	=	312030
- Retained Vol	=	0
Unrouted Vol	= -	cu.ft (.000% of Inflow Volume)

S/N:
PondPack Ver: Compute Time: Date:

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = BASIN2 OUT
HYG Tag = 25

Peak Discharge =	38.64 cfs
Time to Peak =	12.4000 hrs
HYG Volume =	312030 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
6.2500	.00	.00	.00	.01
6.5000	.02	.03	.04	.05
6.7500	.07	.08	.09	.10
7.0000	.13	.14	.15	.16
7.2500	.19	.20	.22	.23
7.5000	.25	.27	.28	.29
7.7500	.32	.34	.35	.36
8.0000	.39	.40	.42	.43
8.2500	.47	.49	.51	.53
8.5000	.58	.60	.63	.66
8.7500	.71	.74	.78	.81
9.0000	.87	.91	.94	.98
9.2500	1.04	1.07	1.10	1.13
9.5000	1.18	1.20	1.22	1.25

1.01				
1.04				
1.15				
1.18				
1.24				
1.27				
1.31				
1.36				
1.38				
1.43				
1.45				
1.53				
1.55				
1.66				
1.68				
1.81				
1.84				
1.98				
2.01				
2.13				
2.15				
2.25				
2.27				

9.7500	1.31	1.34	1.38	1.43	1.48
10.0000	1.53	1.58	1.64	1.70	1.77
10.2500	1.83	1.91	1.98	2.07	2.15
10.5000	2.24	2.33	2.43	2.53	2.64
10.7500	2.76	2.88	3.02	3.16	3.31
11.0000	3.47	3.63	3.81	4.00	4.22
11.2500	4.46	4.73	5.03	5.37	5.73
11.5000	6.12	6.61	7.31	8.54	10.62
11.7500	13.39	16.01	18.25	20.72	23.34
12.0000	26.37	29.46	32.26	34.58	36.33
12.2500	37.53	38.25	38.59	38.64	38.47
12.5000	38.15	37.69	37.13	36.46	35.72
12.7500	34.89	33.99	33.03	32.01	30.93
13.0000	29.79	28.60	27.35	26.06	24.71
13.2500	23.32	21.88	20.35	18.42	15.81
13.5000	9.62	6.52	6.34	6.18	6.02
13.7500	5.86	5.72	5.58	5.45	5.32

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
14.0000	5.20	5.08	4.96	4.85 4.74
14.2500	4.65	4.56	4.49	4.42 4.36
14.5000	4.31	4.26	4.21	4.17 4.12
14.7500	4.08	4.04	4.00	3.96 3.91
15.0000	3.87	3.83	3.79	3.75 3.71
15.2500	3.67	3.63	3.59	3.55 3.51
15.5000	3.47	3.42	3.38	3.34 3.30
15.7500	3.26	3.22	3.18	3.14 3.09
16.0000	3.05	3.01	2.97	2.93 2.90
16.2500	2.86	2.83	2.81	2.78 2.76
16.5000	2.74	2.73	2.71	2.69 2.68
16.7500	2.66	2.65	2.63	2.62 2.60
17.0000	2.59	2.57	2.56	2.54 2.53
17.2500	2.51	2.50	2.48	2.47 2.45
17.5000	2.44	2.43	2.41	2.40 2.38
17.7500	2.37	2.35	2.34	2.32 2.31
18.0000	2.29	2.28	2.26	2.25 2.23
18.2500	2.22	2.20	2.19	2.17 2.16
18.5000	2.14	2.13	2.11	2.10 2.08
18.7500	2.07	2.05	2.04	2.02 2.01

19.0000	1.99	1.98	1.96	1.95
1.93				
19.2500	1.92	1.90	1.89	1.87
1.86				
19.5000	1.84	1.83	1.81	1.80
1.78				
19.7500	1.77	1.75	1.74	1.72
1.71				
20.0000	1.69	1.68	1.66	1.65
1.64				
20.2500	1.63	1.62	1.61	1.60
1.60				
20.5000	1.59	1.59	1.58	1.58
1.57				
20.7500	1.57	1.57	1.57	1.56
1.56				
21.0000	1.56	1.55	1.55	1.55
1.54				
21.2500	1.54	1.54	1.54	1.53
1.53				
21.5000	1.53	1.52	1.52	1.52
1.52				
21.7500	1.51	1.51	1.51	1.50
1.50				
22.0000	1.50	1.49	1.49	1.49
1.49				
22.2500	1.48	1.48	1.48	1.47
1.47				
22.5000	1.47	1.47	1.46	1.46
1.46				
22.7500	1.45	1.45	1.45	1.44
1.44				
23.0000	1.44	1.44	1.43	1.43
1.43				
23.2500	1.42	1.42	1.42	1.42
1.41				
23.5000	1.41	1.41	1.40	1.40
1.40				
23.7500	1.39	1.39	1.39	1.39
1.38				
24.0000	1.38	1.36	1.32	1.22
1.06				
24.2500	.87	.68	.50	.37
.26				
24.5000	.19	.14	.10	.07
.05				
24.7500	.04	.03	.02	.01
.01				
25.0000	.01	.00	.00	.00

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN2 IN 100
Outflow HYG file = NONE STORED - BASIN2 OUT 100

Pond Node Data = BASIN2
Pond Volume Data = BASIN2
Pond Outlet Data = Outlet 2

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	572.99 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	113.14 cfs	at	12.1000 hrs
Peak Outflow	=	74.18 cfs	at	12.3000 hrs
Peak Elevation	=	581.77 ft		
Peak Storage	=	86573 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	415166
- Infiltration	=	0
- HYG Vol OUT	=	415166
- Retained Vol	=	0
Unrouted Vol	= -	cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = BASIN2 OUT
HYG Tag = 100

Peak Discharge =	74.18 cfs
Time to Peak =	12.3000 hrs
HYG Volume =	415166 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
5.3500	.00	.00	.00	.01
5.6000	.02	.03	.04	.05
5.8500	.08	.09	.11	.12
6.1000	.15	.17	.18	.20
6.3500	.23	.24	.26	.28
6.6000	.31	.33	.34	.36
6.8500	.39	.41	.43	.44
7.1000	.48	.50	.51	.53
7.3500	.57	.59	.60	.62
7.6000	.66	.68	.70	.72
7.8500	.75	.77	.79	.81
8.1000	.85	.87	.90	.92
8.3500	.98	1.01	1.05	1.09
8.6000	1.16	1.21	1.25	1.29

1.12
1.34

8.8500	1.38	1.43	1.48	1.53	1.58
9.1000	1.63	1.68	1.73	1.77	1.81
9.3500	1.85	1.89	1.92	1.95	1.98
9.6000	2.01	2.04	2.08	2.12	2.17
9.8500	2.23	2.29	2.36	2.43	2.51
10.1000	2.59	2.68	2.77	2.87	2.97
10.3500	3.08	3.20	3.32	3.44	3.57
10.6000	3.71	3.85	4.00	4.17	4.34
10.8500	4.53	4.73	4.94	5.16	5.39
11.1000	5.63	5.90	6.19	6.53	6.90
11.3500	7.32	7.79	8.28	8.82	9.48
11.6000	10.45	12.14	14.08	16.31	18.47
11.8500	20.85	23.47	26.67	30.17	33.59
12.1000	36.65	39.16	43.15	68.64	74.18
12.3500	67.29	58.22	50.31	44.30	40.84
12.6000	40.46	39.99	39.43	38.79	38.09
12.8500	37.33	36.52	35.66	34.75	33.79

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
13.1000	32.79	31.73	30.64	29.50	28.32
13.3500	27.10	25.84	24.54	23.21	21.85
13.6000	20.41	18.64	16.33	11.75	7.30
13.8500	7.13	6.96	6.79	6.63	6.48
14.1000	6.33	6.18	6.05	5.93	5.82
14.3500	5.72	5.64	5.56	5.49	5.43
14.6000	5.37	5.31	5.25	5.20	5.14
14.8500	5.09	5.04	4.99	4.93	4.88
15.1000	4.83	4.78	4.72	4.67	4.62
15.3500	4.57	4.51	4.46	4.41	4.36
15.6000	4.30	4.25	4.20	4.15	4.09
15.8500	4.04	3.99	3.93	3.88	3.83
16.1000	3.78	3.73	3.68	3.64	3.60
16.3500	3.57	3.54	3.51	3.49	3.46
16.6000	3.44	3.42	3.40	3.38	3.36
16.8500	3.34	3.32	3.30	3.28	3.27
17.1000	3.25	3.23	3.21	3.19	3.17
17.3500	3.15	3.13	3.12	3.10	3.08
17.6000	3.06	3.04	3.02	3.00	2.98
17.8500	2.96	2.95	2.93	2.91	2.89

18.1000	2.87	2.85	2.83	2.81	2.79
18.3500	2.78	2.76	2.74	2.72	2.70
18.6000	2.68	2.66	2.64	2.62	2.60
18.8500	2.59	2.57	2.55	2.53	2.51
19.1000	2.49	2.47	2.45	2.43	2.41
19.3500	2.39	2.38	2.36	2.34	2.32
19.6000	2.30	2.28	2.26	2.24	2.22
19.8500	2.20	2.18	2.16	2.15	2.13
20.1000	2.11	2.09	2.07	2.06	2.05
20.3500	2.04	2.03	2.02	2.01	2.01
20.6000	2.00	2.00	1.99	1.99	1.98
20.8500	1.98	1.98	1.97	1.97	1.97
21.1000	1.96	1.96	1.95	1.95	1.95
21.3500	1.94	1.94	1.94	1.93	1.93
21.6000	1.92	1.92	1.92	1.91	1.91
21.8500	1.91	1.90	1.90	1.89	1.89
22.1000	1.89	1.88	1.88	1.88	1.87
22.3500	1.87	1.86	1.86	1.86	1.85
22.6000	1.85	1.85	1.84	1.84	1.83
22.8500	1.83	1.83	1.82	1.82	1.82
23.1000	1.81	1.81	1.80	1.80	1.80
23.3500	1.79	1.79	1.79	1.78	1.78
23.6000	1.77	1.77	1.77	1.76	1.76
23.8500	1.76	1.75	1.75	1.74	1.72
24.1000	1.67	1.54	1.34	1.10	.86

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
24.3500	.64	.46	.33	.24	.17
24.6000	.13	.09	.07	.05	.03
24.8500	.02	.02	.01	.01	.01
25.1000	.00	.00			

ICPM POND ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = BASIN3A IN 15
Outflow HYG file = BASIN3A OUT 15

Pond Node Data = BASIN3A
Pond Volume Data = BASIN3A
Pond Outlet Data = Outlet 3

No Infiltration

INITIAL CONDITIONS		CALCULATION TOLERANCES	
Starting WS Elev =	565.00 ft	Target Convergence=	.000 cfs +/-
Starting Volume =	0 cu.ft	Max. Iterations =	35 loops
Starting Outflow =	.00 cfs	ICPM Time Step =	.0500 hrs
		Output Time Step =	.0500 hrs
		ICPM Ending Time =	35.0000 hrs

MAXIMUM STORAGE

Tp, hrs	Elev, ft	Vol, cu.ft
12.5000	571.42	159214

	FORWARD FLOW PEAKS		REVERSE FLOW PEAKS	
	Tp, hrs	Qp, cfs	Tp, hrs	Qp, cfs
Pond Inflow.....	12.1500	185.97	.0000	.00
Pond Outflow....	12.4500	79.47	.0000	.00

	TOTAL VOLUME IN		TOTAL VOLUME OUT	
	Vol, cu.ft	Direction	Vol, cu.ft	Direction
Pond Inflow.....	736751	Forward	0	Reverse

Pond Outflow.... 0 Reverse 736788 Forward

MASS BALANCE (cu.ft)

+ Initial Vol.....	0	
+ Total Vol IN....	736751	
- Total Vol OUT...	736788	
- Ending Pond Vol.	1	<-- (At 35.0000 hrs Elev.= 565.00 ft)
Difference.....	-39 cu.ft	(.005% of Outflow Volume)

S/N:
PondPack Ver: Compute Time: Date:

ICPM POND ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = BASIN3A IN 25
Outflow HYG file = BASIN3A OUT 25

Pond Node Data = BASIN3A
Pond Volume Data = BASIN3A
Pond Outlet Data = Outlet 3

No Infiltration

INITIAL CONDITIONS		CALCULATION TOLERANCES	
Starting WS Elev =	565.00 ft	Target Convergence=	.000 cfs +/-
Starting Volume =	0 cu.ft	Max. Iterations =	35 loops
Starting Outflow =	.00 cfs	ICPM Time Step =	.0500 hrs
		Output Time Step =	.0500 hrs
		ICPM Ending Time =	35.0000 hrs

MAXIMUM STORAGE

Tp, hrs	Elev, ft	Vol, cu.ft
12.5000	572.13	196899

	FORWARD FLOW PEAKS Tp, hrs	Qp, cfs	REVERSE FLOW PEAKS Tp, hrs	Qp, cfs
Pond Inflow.....	12.1500	216.84	.0000	.00
Pond Outflow....	12.4000	89.70	.0000	.00

	TOTAL VOLUME IN Vol, cu.ft	Direction	TOTAL VOLUME OUT Vol, cu.ft	Direction
Pond Inflow.....	856233	Forward	0	Reverse

Pond Outflow.... 0 Reverse 856276 Forward

MASS BALANCE (cu.ft)

+ Initial Vol.....	0	
+ Total Vol IN....	856233	
- Total Vol OUT...	856276	
- Ending Pond Vol.	1	<-- (At 35.0000 hrs Elev.= 565.00 ft)
Difference.....	-44 cu.ft	(.005% of Outflow Volume)

S/N:
PondPack Ver: Compute Time: Date:

ICPM POND ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = BASIN3A IN 100
Outflow HYG file = BASIN3A OUT 100

Pond Node Data = BASIN3A
Pond Volume Data = BASIN3A
Pond Outlet Data = Outlet 3

No Infiltration

INITIAL CONDITIONS		CALCULATION TOLERANCES	
Starting WS Elev =	565.00 ft	Target Convergence=	.000 cfs +/-
Starting Volume =	0 cu.ft	Max. Iterations =	35 loops
Starting Outflow =	.00 cfs	ICPM Time Step =	.0500 hrs
		Output Time Step =	.0500 hrs
		ICPM Ending Time =	35.0000 hrs

MAXIMUM STORAGE

Tp, hrs	Elev, ft	Vol, cu.ft
12.5000	573.68	305395

	FORWARD FLOW PEAKS		REVERSE FLOW PEAKS	
	Tp, hrs	Qp, cfs	Tp, hrs	Qp, cfs
Pond Inflow.....	12.1500	299.42	.0000	.00
Pond Outflow....	12.4500	110.98	.0000	.00

	TOTAL VOLUME IN		TOTAL VOLUME OUT	
	Vol, cu.ft	Direction	Vol, cu.ft	Direction
Pond Inflow.....	1179491	Forward	0	Reverse

```
  Pond Outflow....           0   Reverse         1179576   Forward


  MASS BALANCE (cu.ft)
  -----------------------------
+ Initial Vol.....           0
+ Total Vol IN....     1179491
- Total Vol OUT...     1179576
- Ending Pond Vol.           1  <-- (At 35.0000 hrs  Elev.= 565.00 ft)
                   ------------
  Difference......         -85 cu.ft  (.007% of Outflow Volume)


 S/N:
 PondPack Ver:                  Compute Time:             Date:
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ICPM POND ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = BASIN3B IN 15
Outflow HYG file = BASIN3B OUT 15

Pond Node Data = BASIN3B
Pond Volume Data = BASIN3B
Pond Outlet Data = Outlet 4

No Infiltration

INITIAL CONDITIONS		CALCULATION TOLERANCES	
Starting WS Elev =	563.50 ft	Target Convergence=	.000 cfs +/-
Starting Volume =	0 cu.ft	Max. Iterations =	35 loops
Starting Outflow =	.00 cfs	ICPM Time Step =	.0500 hrs
		Output Time Step =	.0500 hrs
		ICPM Ending Time =	35.0000 hrs

MAXIMUM STORAGE

Tp, hrs	Elev, ft	Vol, cu.ft
12.6000	568.16	29667

	FORWARD FLOW PEAKS Tp, hrs	Qp, cfs	REVERSE FLOW PEAKS Tp, hrs	Qp, cfs
Pond Inflow.....	12.4000	80.46	.0000	.00
Pond Outflow....	12.6000	77.37	.0000	.00

	TOTAL VOLUME IN Vol, cu.ft	Direction	TOTAL VOLUME OUT Vol, cu.ft	Direction
Pond Inflow.....	747895	Forward	0	Reverse

Pond Outflow.... 0 Reverse 747917 Forward

MASS BALANCE (cu.ft)

+ Initial Vol.....	0	
+ Total Vol IN....	747895	
- Total Vol OUT...	747917	
- Ending Pond Vol.	0	<-- (At 35.0000 hrs Elev.= 563.50 ft)
Difference.....	-22 cu.ft	(.003% of Outflow Volume)

S/N:
PondPack Ver: Compute Time: Date:

ICPM POND ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = BASIN3B IN 25
Outflow HYG file = BASIN3B OUT 25

Pond Node Data = BASIN3B
Pond Volume Data = BASIN3B
Pond Outlet Data = Outlet 4

No Infiltration

INITIAL CONDITIONS		CALCULATION TOLERANCES	
Starting WS Elev =	563.50 ft	Target Convergence=	.000 cfs +/-
Starting Volume =	0 cu.ft	Max. Iterations =	35 loops
Starting Outflow =	.00 cfs	ICPM Time Step =	.0500 hrs
		Output Time Step =	.0500 hrs
		ICPM Ending Time =	35.0000 hrs

MAXIMUM STORAGE

Tp, hrs	Elev, ft	Vol, cu.ft
12.6500	568.52	34199

	FORWARD FLOW PEAKS		REVERSE FLOW PEAKS	
	Tp, hrs	Qp, cfs	Tp, hrs	Qp, cfs
Pond Inflow.....	12.4000	90.87	.0000	.00
Pond Outflow....	12.6500	86.46	.0000	.00

	TOTAL VOLUME IN		TOTAL VOLUME OUT	
	Vol, cu.ft	Direction	Vol, cu.ft	Direction
Pond Inflow.....	869331	Forward	0	Reverse

```
  Pond Outflow....           0   Reverse          869342   Forward


  MASS BALANCE (cu.ft)
  ------------------------------
+ Initial Vol.....           0
+ Total Vol IN....      869331
- Total Vol OUT...      869342
- Ending Pond Vol.           0  <-- (At 35.0000 hrs  Elev.= 563.50 ft)
                   ------------
  Difference......         -12 cu.ft  (.001% of Outflow Volume)


 S/N:
 PondPack Ver:                  Compute Time:             Date:
```

ICPM POND ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = BASIN3B IN 100
Outflow HYG file = BASIN3B OUT 100

Pond Node Data = BASIN3B
Pond Volume Data = BASIN3B
Pond Outlet Data = Outlet 4

No Infiltration

INITIAL CONDITIONS		CALCULATION TOLERANCES	
Starting WS Elev =	563.50 ft	Target Convergence=	.000 cfs +/-
Starting Volume =	0 cu.ft	Max. Iterations =	35 loops
Starting Outflow =	.00 cfs	ICPM Time Step =	.0500 hrs
		Output Time Step =	.0500 hrs
		ICPM Ending Time =	35.0000 hrs

MAXIMUM STORAGE

Tp, hrs	Elev, ft	Vol, cu.ft
12.6500	569.20	42709

	FORWARD FLOW PEAKS Tp, hrs	Qp, cfs	REVERSE FLOW PEAKS Tp, hrs	Qp, cfs
Pond Inflow.....	12.4000	112.38	.0000	.00
Pond Outflow....	12.6500	109.60	.0000	.00

	TOTAL VOLUME IN Vol, cu.ft	Direction	TOTAL VOLUME OUT Vol, cu.ft	Direction
Pond Inflow.....	1197962	Forward	0	Reverse

Pond Outflow.... 0 Reverse 1197985 Forward

MASS BALANCE (cu.ft)

+ Initial Vol.....	0	
+ Total Vol IN....	1197962	
- Total Vol OUT...	1197985	
- Ending Pond Vol.	0	<-- (At 35.0000 hrs Elev.= 563.50 ft)
Difference.....	-23 cu.ft	(.002% of Outflow Volume)

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN4 IN 15
Outflow HYG file = NONE STORED - BASIN4 OUT 15

Pond Node Data = BASIN4
Pond Volume Data = BASIN4
Pond Outlet Data = Outlet 5

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 578.50	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
578.50	.00	0	1	.00	.00	.00
578.60	.01	0	2	.00	.01	.01
578.70	.19	0	2	.00	.19	.20
578.80	.27	1	3	.00	.27	.27
578.90	.35	1	4	.00	.35	.36
579.00	.44	1	5	.00	.44	.46
579.10	.70	3	38	.00	.70	.74
579.20	1.05	10	103	.00	1.05	1.16
579.30	1.34	25	198	.00	1.34	1.61
579.40	1.66	51	324	.00	1.66	2.22

579.50	1.91	91	482	.00	1.91	2.92
579.60	2.22	148	671	.00	2.22	3.87
579.70	2.52	226	891	.00	2.52	5.03
579.80	2.86	327	1142	.00	2.86	6.50
579.90	3.12	455	1424	.00	3.12	8.18
580.00	3.46	613	1737	.00	3.46	10.27
580.10	3.82	793	1865	.00	3.82	12.63
580.20	4.11	986	1997	.00	4.11	15.07
580.30	4.36	1193	2134	.00	4.36	17.61
580.40	4.59	1413	2275	.00	4.59	20.29

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN4 IN 15
Outflow HYG file = NONE STORED - BASIN4 OUT 15

Pond Node Data = BASIN4
Pond Volume Data = BASIN4
Pond Outlet Data = Outlet 5

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	578.50 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
580.50	4.76	1648	2421	.00	4.76	23.07
580.60	4.94	1897	2571	.00	4.94	26.02
580.70	5.13	2162	2726	.00	5.13	29.15
580.80	5.31	2443	2885	.00	5.31	32.45
580.90	5.49	2739	3049	.00	5.49	35.92
581.00	5.65	3053	3218	.00	5.65	39.57
581.10	5.82	3383	3391	.00	5.82	43.41
581.20	5.99	3731	3568	.00	5.99	47.44
581.30	6.15	4097	3750	.00	6.15	51.67
581.40	6.30	4481	3937	.00	6.30	56.09

581.50	6.45	4884	4128	.00	6.45
60.72					
581.60	6.60	5307	4323	.00	6.60
65.57					
581.70	6.75	5749	4523	.00	6.75
70.63					
581.80	6.89	6212	4728	.00	6.89
75.91					
581.90	7.03	6695	4937	.00	7.03
81.42					
582.00	7.17	7199	5151	.00	7.17
87.16					
582.10	7.31	7723	5329	.00	7.31
93.12					
582.20	7.44	8265	5511	.00	7.44
99.28					
582.30	7.57	8825	5695	.00	7.57
105.63					
582.40	7.70	9404	5883	.00	7.70
112.20					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN4 IN 15
Outflow HYG file = NONE STORED - BASIN4 OUT 15

Pond Node Data = BASIN4
Pond Volume Data = BASIN4
Pond Outlet Data = Outlet 5

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 578.50	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
582.50	7.83	10002	6073	.00	7.83	118.96
582.60	7.95	10619	6266	.00	7.95	125.94
582.70	8.07	11256	6463	.00	8.07	133.13
582.80	8.19	11912	6663	.00	8.19	140.55
582.90	8.31	12588	6865	.00	8.31	148.18
583.00	8.43	13285	7071	.00	8.43	156.04
583.10	8.55	14002	7279	.00	8.55	164.13
583.20	8.66	14741	7491	.00	8.66	172.45
583.30	8.77	15501	7706	.00	8.77	181.00
583.40	8.88	16282	7924	.00	8.88	189.80

583.50	8.99	17085	8144	.00	8.99
198.83					
583.60	9.10	17911	8368	.00	9.10
208.11					
583.70	9.21	18759	8595	.00	9.21
217.65					
583.80	9.32	19630	8825	.00	9.32
227.43					
583.90	9.42	20525	9058	.00	9.42
237.48					
584.00	9.53	21442	9294	.00	9.53
247.77					
584.10	9.63	22383	9525	.00	9.63
258.33					
584.20	9.73	23347	9760	.00	9.73
269.15					
584.30	9.83	24335	9997	.00	9.83
280.22					
584.40	9.93	25347	10237	.00	9.93
291.56					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN4 IN 15
Outflow HYG file = NONE STORED - BASIN4 OUT 15

Pond Node Data = BASIN4
Pond Volume Data = BASIN4
Pond Outlet Data = Outlet 5

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 578.50	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
584.50	10.03	26383	10480	.00	10.03	303.17
584.60	10.13	27443	10726	.00	10.13	315.04
584.70	10.23	28528	10975	.00	10.23	327.20
584.80	10.32	29638	11226	.00	10.32	339.63
584.90	10.42	30773	11480	.00	10.42	352.34
585.00	10.51	31934	11738	.00	10.51	365.33
585.10	10.60	33120	11998	.00	10.60	378.61
585.20	10.70	34334	12260	.00	10.70	392.18
585.30	10.79	35573	12526	.00	10.79	406.04
585.40	10.88	36839	12795	.00	10.88	420.20

585.50	10.97	38132	13066	.00	10.97
434.66					
585.60	11.16	39452	13340	.00	11.16
449.51					
585.70	11.34	40800	13618	.00	11.34
464.67					
585.80	11.47	42176	13897	.00	11.47
480.09					
585.90	11.59	43580	14180	.00	11.59
495.81					
586.00	11.71	45012	14466	.00	11.71
511.84					
586.10	11.82	46472	14732	.00	11.82
528.17					
586.20	11.93	47959	15000	.00	11.93
544.81					
586.30	12.04	49472	15270	.00	12.04
561.73					
586.40	12.15	51013	15543	.00	12.15
578.96					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN4 IN 15
Outflow HYG file = NONE STORED - BASIN4 OUT 15

Pond Node Data = BASIN4
Pond Volume Data = BASIN4
Pond Outlet Data = Outlet 5

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 578.50	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
586.50	12.26	52581	15818	.00	12.26	596.48
586.60	12.36	54176	16096	.00	12.36	614.31
586.70	12.46	55800	16376	.00	12.46	632.46
586.80	12.56	57451	16659	.00	12.56	650.91
586.90	12.66	59132	16944	.00	12.66	669.68
587.00	12.76	60840	17231	.00	12.76	688.76
587.10	12.86	62578	17521	.00	12.86	708.16
587.20	12.95	64345	17813	.00	12.95	727.90
587.30	13.05	66141	18108	.00	13.05	747.94
587.40	13.14	67967	18405	.00	13.14	768.33

587.50	13.23	69822	18704	.00	13.23
789.03					
587.60	13.33	71707	19006	.00	13.33
810.07					
587.70	13.42	73623	19311	.00	13.42
831.46					
587.80	13.51	75569	19617	.00	13.51
853.17					
587.90	13.60	77547	19927	.00	13.60
875.24					
588.00	13.69	79555	20238	.00	13.69
897.63					

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: BASIN4 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 80	BASIN4		BASIN4	15

INFLOWS TO: BASIN4 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
BASIN4	15	90257	12.1500	23.54	

TOTAL FLOW INTO: BASIN4 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
BASIN4	IN 15	90257	12.1500	23.54	

S/N:
PondPack Ver: Compute Time: Date:

TOTAL NODE INFLOW...
HYG file =
HYG ID = BASIN4 IN
HYG Tag = 15

Peak Discharge	23.54 cfs
Time to Peak	12.1500 hrs
HYG Volume	90257 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
8.9500	.00	.00	.00	.01 .01
9.2000	.01	.02	.02	.03 .04
9.4500	.04	.05	.06	.06 .07
9.7000	.08	.09	.10	.11 .12
9.9500	.13	.14	.15	.16 .17
10.2000	.19	.20	.22	.23 .25
10.4500	.27	.29	.31	.33 .35
10.7000	.38	.40	.43	.46 .50
10.9500	.53	.57	.61	.65 .70
11.2000	.75	.81	.88	.95 1.03
11.4500	1.12	1.22	1.35	1.54 1.89
11.7000	2.47	3.43	4.86	6.99 9.92
11.9500	13.62	17.62	21.08	23.20 23.54
12.2000	22.19	19.70	16.81	14.06 11.81

12.4500	10.06	8.68	7.55	6.62	5.85
12.7000	5.22	4.69	4.27	3.93	3.65
12.9500	3.42	3.22	3.05	2.90	2.76
13.2000	2.64	2.54	2.45	2.38	2.31
13.4500	2.25	2.19	2.13	2.07	2.02
13.7000	1.97	1.92	1.87	1.83	1.79
13.9500	1.75	1.71	1.67	1.63	1.60
14.2000	1.56	1.53	1.51	1.48	1.46
14.4500	1.44	1.43	1.41	1.40	1.38
14.7000	1.37	1.35	1.34	1.33	1.31
14.9500	1.30	1.29	1.27	1.26	1.25
15.2000	1.23	1.22	1.21	1.20	1.18
15.4500	1.17	1.16	1.14	1.13	1.12
15.7000	1.10	1.09	1.07	1.06	1.05
15.9500	1.03	1.02	1.01	.99	.98
16.2000	.97	.96	.95	.94	.93
16.4500	.93	.92	.92	.91	.90

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.7000	.90	.89	.89	.88
16.9500	.88	.87	.87	.86
17.2000	.85	.85	.84	.84
17.4500	.83	.82	.82	.81
17.7000	.80	.80	.79	.79
17.9500	.78	.77	.77	.76
18.2000	.76	.75	.75	.74
18.4500	.73	.73	.72	.72
18.7000	.71	.70	.70	.69
18.9500	.68	.68	.67	.67
19.2000	.66	.65	.65	.64
19.4500	.63	.63	.62	.62
19.7000	.61	.60	.60	.59
19.9500	.58	.58	.57	.57
20.2000	.56	.55	.55	.55
20.4500	.54	.54	.54	.54
20.7000	.54	.54	.53	.53
20.9500	.53	.53	.53	.53
21.2000	.53	.53	.53	.52
21.4500	.52	.52	.52	.52

21.7000	.52	.52	.52	.51
.51				
21.9500	.51	.51	.51	.51
.51				
22.2000	.51	.51	.51	.51
.50				
22.4500	.50	.50	.50	.50
.50				
22.7000	.50	.50	.50	.50
.49				
22.9500	.49	.49	.49	.49
.49				
23.2000	.49	.49	.49	.49
.49				
23.4500	.48	.48	.48	.48
.48				
23.7000	.48	.48	.48	.48
.48				
23.9500	.47	.47	.47	.44
.40				
24.2000	.35	.28	.22	.17
.12				
24.4500	.09	.07	.05	.04
.03				
24.7000	.02	.01	.01	.01
.01				
24.9500	.00	.00	.00	.00
.00				

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: BASIN4 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 80	BASIN4		BASIN4	25

INFLOWS TO: BASIN4 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN4	25	105180	12.1500	27.51

TOTAL FLOW INTO: BASIN4 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN4 IN	25	105180	12.1500	27.51

TOTAL NODE INFLOW...
HYG file =
HYG ID = BASIN4 IN
HYG Tag = 25

Peak Discharge	27.51 cfs
Time to Peak	12.1500 hrs
HYG Volume	105180 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
8.5500	.00	.00	.00	.01 .01
8.8000	.02	.02	.03	.03 .04
9.0500	.05	.06	.07	.07 .08
9.3000	.09	.10	.11	.12 .13
9.5500	.13	.14	.15	.16 .17
9.8000	.18	.19	.20	.22 .23
10.0500	.25	.26	.28	.29 .31
10.3000	.33	.35	.37	.40 .42
10.5500	.45	.47	.50	.53 .57
10.8000	.60	.64	.68	.72 .77
11.0500	.82	.87	.93	.99 1.06
11.3000	1.14	1.23	1.33	1.44 1.56
11.5500	1.72	1.95	2.38	3.09 4.24
11.8000	5.96	8.48	11.94	16.25 20.86

12.0500	24.83	27.21	27.51	25.87	22.91
12.3000	19.51	16.30	13.67	11.63	10.02
12.5500	8.71	7.62	6.73	5.99	5.39
12.8000	4.90	4.50	4.18	3.91	3.68
13.0500	3.49	3.31	3.15	3.02	2.90
13.3000	2.80	2.71	2.63	2.56	2.49
13.5500	2.42	2.36	2.30	2.24	2.19
13.8000	2.13	2.08	2.04	1.99	1.94
14.0500	1.90	1.85	1.81	1.78	1.74
14.3000	1.71	1.69	1.66	1.64	1.62
14.5500	1.60	1.59	1.57	1.55	1.54
14.8000	1.52	1.51	1.49	1.48	1.46
15.0500	1.45	1.43	1.42	1.40	1.39
15.3000	1.37	1.36	1.34	1.33	1.31
15.5500	1.30	1.28	1.27	1.25	1.23
15.8000	1.22	1.20	1.19	1.17	1.16
16.0500	1.14	1.13	1.11	1.10	1.09

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.3000	1.08	1.07	1.06	1.05
16.5500	1.04	1.03	1.03	1.02
16.8000	1.01	1.00	1.00	.99
17.0500	.98	.97	.97	.96
17.3000	.95	.95	.94	.94
17.5500	.93	.92	.92	.91
17.8000	.90	.89	.89	.88
18.0500	.87	.87	.86	.85
18.3000	.84	.84	.83	.83
18.5500	.82	.81	.80	.80
18.8000	.79	.78	.78	.77
19.0500	.76	.75	.75	.74
19.3000	.73	.72	.72	.71
19.5500	.70	.70	.69	.69
19.8000	.67	.67	.66	.66
20.0500	.64	.64	.63	.63
20.3000	.62	.62	.62	.61
20.5500	.61	.61	.61	.61
20.8000	.60	.60	.60	.60
21.0500	.60	.60	.60	.59

21.3000	.59	.59	.59	.59
.59				
21.5500	.59	.59	.59	.58
.58				
21.8000	.58	.58	.58	.58
.58				
22.0500	.58	.58	.57	.57
.57				
22.3000	.57	.57	.57	.57
.57				
22.5500	.57	.57	.56	.56
.56				
22.8000	.56	.56	.56	.56
.56				
23.0500	.56	.55	.55	.55
.55				
23.3000	.55	.55	.55	.55
.55				
23.5500	.54	.54	.54	.54
.54				
23.8000	.54	.54	.54	.54
.53				
24.0500	.52	.50	.46	.39
.32				
24.3000	.25	.19	.14	.10
.07				
24.5500	.05	.04	.03	.02
.02				
24.8000	.01	.01	.01	.00
.00				
25.0500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: BASIN4 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 80	BASIN4		BASIN4	100

INFLOWS TO: BASIN4 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
BASIN4		100	145662	12.1500	38.16

TOTAL FLOW INTO: BASIN4 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
BASIN4	IN	100	145662	12.1500	38.16

TOTAL NODE INFLOW...
HYG file =
HYG ID = BASIN4 IN
HYG Tag = 100

Peak Discharge =	38.16 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	145662 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.4500	.00	.00	.00	.01	.01
7.7000	.01	.02	.02	.03	.03
7.9500	.04	.04	.05	.06	.06
8.2000	.07	.08	.08	.09	.10
8.4500	.11	.12	.13	.14	.15
8.7000	.16	.17	.18	.19	.20
8.9500	.22	.23	.24	.26	.27
9.2000	.29	.30	.31	.32	.34
9.4500	.35	.36	.37	.38	.39
9.7000	.41	.42	.44	.46	.48
9.9500	.50	.52	.54	.56	.59
10.2000	.62	.65	.68	.71	.74
10.4500	.78	.82	.86	.90	.94
10.7000	.99	1.04	1.09	1.15	1.21

10.9500	1.28	1.35	1.42	1.50	1.59
11.2000	1.68	1.79	1.92	2.05	2.20
11.4500	2.36	2.54	2.77	3.12	3.76
11.7000	4.81	6.52	9.01	12.61	17.46
11.9500	23.41	29.67	34.94	37.98	38.16
12.2000	35.71	31.49	26.73	22.26	18.62
12.4500	15.79	13.57	11.76	10.27	9.04
12.7000	8.04	7.21	6.55	6.01	5.57
12.9500	5.20	4.90	4.63	4.39	4.18
13.2000	3.99	3.84	3.70	3.58	3.48
13.4500	3.38	3.29	3.20	3.12	3.03
13.7000	2.96	2.88	2.81	2.75	2.68
13.9500	2.62	2.56	2.50	2.44	2.39
14.2000	2.34	2.29	2.25	2.22	2.18
14.4500	2.16	2.13	2.11	2.08	2.06
14.7000	2.04	2.02	2.00	1.98	1.96
14.9500	1.94	1.92	1.90	1.88	1.86

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
15.2000	1.84	1.82	1.80	1.78
1.76				
15.4500	1.74	1.72	1.70	1.68
1.66				
15.7000	1.64	1.62	1.60	1.58
1.56				
15.9500	1.53	1.51	1.49	1.47
1.46				
16.2000	1.44	1.42	1.41	1.39
1.38				
16.4500	1.37	1.36	1.36	1.35
1.34				
16.7000	1.33	1.32	1.32	1.31
1.30				
16.9500	1.29	1.29	1.28	1.27
1.27				
17.2000	1.26	1.25	1.24	1.24
1.23				
17.4500	1.22	1.21	1.21	1.20
1.19				
17.7000	1.19	1.18	1.17	1.16
1.16				
17.9500	1.15	1.14	1.13	1.13
1.12				
18.2000	1.11	1.11	1.10	1.09
1.08				
18.4500	1.08	1.07	1.06	1.05
1.05				
18.7000	1.04	1.03	1.02	1.02
1.01				
18.9500	1.00	1.00	.99	.98
.97				
19.2000	.97	.96	.95	.94
.94				
19.4500	.93	.92	.91	.91
.90				
19.7000	.89	.88	.88	.87
.86				
19.9500	.85	.85	.84	.83
.82				

20.2000	.82	.81	.81	.80
.80				
20.4500	.80	.80	.79	.79
.79				
20.7000	.79	.79	.78	.78
.78				
20.9500	.78	.78	.78	.78
.77				
21.2000	.77	.77	.77	.77
.77				
21.4500	.77	.76	.76	.76
.76				
21.7000	.76	.76	.76	.75
.75				
21.9500	.75	.75	.75	.75
.75				
22.2000	.74	.74	.74	.74
.74				
22.4500	.74	.74	.73	.73
.73				
22.7000	.73	.73	.73	.73
.72				
22.9500	.72	.72	.72	.72
.72				
23.2000	.72	.71	.71	.71
.71				
23.4500	.71	.71	.71	.70
.70				
23.7000	.70	.70	.70	.70
.69				
23.9500	.69	.69	.68	.65
.59				
24.2000	.51	.41	.32	.24
.18				
24.4500	.13	.10	.07	.05
.04				
24.7000	.03	.02	.01	.01
.01				
24.9500	.01	.00	.00	.00
.00				

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN4 IN 15
Outflow HYG file = NONE STORED - BASIN4 OUT 15

Pond Node Data = BASIN4
Pond Volume Data = BASIN4
Pond Outlet Data = Outlet 5

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	578.50 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	23.54 cfs	at	12.1500 hrs
Peak Outflow	=	9.45 cfs	at	12.4500 hrs
Peak Elevation	=	583.92 ft		
Peak Storage	=	20718 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	90257
- Infiltration	=	0
- HYG Vol OUT	=	90257
- Retained Vol	=	0
Unrouted Vol	= -	cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = BASIN4 OUT
HYG Tag = 15

Peak Discharge	9.45 cfs
Time to Peak	12.4500 hrs
HYG Volume	90257 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
8.9500	.00	.00	.00	.00 .01
9.2000	.01	.02	.02	.03 .03
9.4500	.04	.05	.05	.06 .07
9.7000	.08	.08	.09	.10 .11
9.9500	.12	.13	.14	.15 .17
10.2000	.18	.19	.21	.22 .24
10.4500	.26	.28	.30	.32 .34
10.7000	.36	.39	.42	.45 .48
10.9500	.51	.55	.59	.63 .67
11.2000	.72	.78	.84	.91 .99
11.4500	1.08	1.17	1.29	1.45 1.71
11.7000	2.18	2.72	3.21	4.00 4.76
11.9500	5.54	6.34	7.08	7.72 8.26
12.2000	8.68	8.99	9.20	9.34 9.42

12.4500	9.45	9.44	9.42	9.37
9.30				
12.7000	9.22	9.12	9.01	8.90
8.77				
12.9500	8.63	8.48	8.32	8.15
7.98				
13.2000	7.79	7.59	7.38	7.15
6.91				
13.4500	6.66	6.39	6.09	5.77
5.43				
13.7000	5.05	4.67	4.22	3.63
3.06				
13.9500	2.55	1.77	1.69	1.65
1.61				
14.2000	1.58	1.55	1.52	1.49
1.47				
14.4500	1.45	1.43	1.42	1.40
1.39				
14.7000	1.37	1.36	1.35	1.33
1.32				
14.9500	1.31	1.29	1.28	1.27
1.25				
15.2000	1.24	1.23	1.21	1.20
1.19				
15.4500	1.18	1.16	1.15	1.14
1.12				
15.7000	1.11	1.10	1.08	1.07
1.05				
15.9500	1.04	1.03	1.01	1.00
.99				
16.2000	.98	.96	.95	.95
.94				
16.4500	.93	.92	.92	.91
.91				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.7000	.90	.90	.89	.89 .88
16.9500	.88	.87	.87	.86 .86
17.2000	.85	.85	.84	.84 .83
17.4500	.83	.83	.82	.82 .81
17.7000	.81	.80	.80	.79 .79
17.9500	.78	.78	.77	.77 .76
18.2000	.76	.75	.75	.74 .74
18.4500	.73	.73	.72	.72 .71
18.7000	.71	.70	.70	.69 .69
18.9500	.68	.68	.67	.67 .66
19.2000	.66	.65	.65	.64 .64
19.4500	.63	.63	.62	.62 .61
19.7000	.61	.60	.60	.59 .59
19.9500	.58	.58	.57	.57 .56
20.2000	.56	.56	.55	.55 .55
20.4500	.54	.54	.54	.54 .54
20.7000	.54	.54	.54	.53 .53
20.9500	.53	.53	.53	.53 .53
21.2000	.53	.53	.53	.52 .52
21.4500	.52	.52	.52	.52 .52

21.7000	.52	.52	.52	.52	.51
21.9500	.51	.51	.51	.51	.51
22.2000	.51	.51	.51	.51	.50
22.4500	.50	.50	.50	.50	.50
22.7000	.50	.50	.50	.50	.50
22.9500	.49	.49	.49	.49	.49
23.2000	.49	.49	.49	.49	.49
23.4500	.48	.48	.48	.48	.48
23.7000	.48	.48	.48	.48	.48
23.9500	.48	.47	.47	.45	.42
24.2000	.38	.32	.25	.19	.14
24.4500	.10	.08	.06	.04	.03
24.7000	.02	.02	.01	.01	.01
24.9500	.00	.00	.00	.00	.00

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN4 IN 25
Outflow HYG file = NONE STORED - BASIN4 OUT 25

Pond Node Data = BASIN4
Pond Volume Data = BASIN4
Pond Outlet Data = Outlet 5

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	578.50 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	27.51 cfs	at	12.1500 hrs
Peak Outflow	=	10.03 cfs	at	12.5000 hrs
Peak Elevation	=	584.50 ft		
Peak Storage	=	26418 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	105180
- Infiltration	=	0
- HYG Vol OUT	=	105179
- Retained Vol	=	0
Unrouted Vol	= -	cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = BASIN4 OUT
HYG Tag = 25

Peak Discharge	10.03 cfs
Time to Peak	12.5000 hrs
HYG Volume	105179 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
8.5500	.00	.00	.00	.01
8.8000	.01	.02	.02	.03
9.0500	.05	.05	.06	.07
9.3000	.09	.10	.10	.11
9.5500	.13	.14	.15	.16
9.8000	.18	.19	.20	.21
10.0500	.24	.25	.27	.29
10.3000	.32	.34	.36	.39
10.5500	.43	.46	.49	.52
10.8000	.58	.62	.66	.70
11.0500	.79	.84	.90	.96
11.3000	1.10	1.19	1.28	1.39
11.5500	1.64	1.84	2.16	2.62
11.8000	3.68	4.46	5.19	6.01

1.03
1.50
3.02
6.82

12.0500	7.56	8.22	8.77	9.20	9.52
12.3000	9.74	9.89	9.97	10.02	10.03
12.5500	10.02	9.99	9.94	9.88	9.81
12.8000	9.72	9.63	9.52	9.41	9.29
13.0500	9.17	9.03	8.89	8.75	8.59
13.3000	8.43	8.26	8.08	7.89	7.69
13.5500	7.48	7.26	7.03	6.78	6.51
13.8000	6.23	5.91	5.58	5.22	4.84
14.0500	4.43	3.91	3.29	2.80	2.08
14.3000	1.73	1.70	1.67	1.65	1.63
14.5500	1.61	1.59	1.58	1.56	1.55
14.8000	1.53	1.51	1.50	1.48	1.47
15.0500	1.45	1.44	1.42	1.41	1.39
15.3000	1.38	1.36	1.35	1.33	1.32
15.5500	1.30	1.29	1.27	1.26	1.24
15.8000	1.23	1.21	1.20	1.18	1.17
16.0500	1.15	1.13	1.12	1.11	1.09

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.3000	1.08	1.07	1.06	1.05
16.5500	1.04	1.03	1.03	1.02
16.8000	1.01	1.01	1.00	.99
17.0500	.98	.98	.97	.97
17.3000	.96	.95	.95	.94
17.5500	.93	.92	.92	.91
17.8000	.90	.90	.89	.88
18.0500	.87	.87	.86	.86
18.3000	.85	.84	.83	.83
18.5500	.82	.81	.81	.80
18.8000	.79	.78	.78	.77
19.0500	.76	.76	.75	.74
19.3000	.73	.73	.72	.72
19.5500	.71	.70	.69	.69
19.8000	.68	.67	.66	.66
20.0500	.65	.64	.64	.63
20.3000	.62	.62	.62	.62
20.5500	.61	.61	.61	.61
20.8000	.60	.60	.60	.60
21.0500	.60	.60	.60	.59

21.3000	.59	.59	.59	.59
.59				
21.5500	.59	.59	.59	.59
.58				
21.8000	.58	.58	.58	.58
.58				
22.0500	.58	.58	.58	.57
.57				
22.3000	.57	.57	.57	.57
.57				
22.5500	.57	.57	.56	.56
.56				
22.8000	.56	.56	.56	.56
.56				
23.0500	.56	.55	.55	.55
.55				
23.3000	.55	.55	.55	.55
.55				
23.5500	.54	.54	.54	.54
.54				
23.8000	.54	.54	.54	.54
.53				
24.0500	.53	.51	.48	.42
.36				
24.3000	.28	.22	.16	.12
.09				
24.5500	.06	.05	.03	.03
.02				
24.8000	.01	.01	.01	.01
.00				
25.0500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN4 IN 100
Outflow HYG file = NONE STORED - BASIN4 OUT 100

Pond Node Data = BASIN4
Pond Volume Data = BASIN4
Pond Outlet Data = Outlet 5

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 578.50	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	= 38.16	cfs	at	12.1500 hrs
Peak Outflow	= 11.52	cfs	at	12.5500 hrs
Peak Elevation	= 585.84	ft		
Peak Storage	= 42791	cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	145662
- Infiltration	=	0
- HYG Vol OUT	=	145662
- Retained Vol	=	0
Unrouted Vol	= -	cu.ft (.000% of Inflow Volume)

S/N:
PondPack Ver: Compute Time: Date:

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = BASIN4 OUT
HYG Tag = 100

Peak Discharge =	11.52 cfs
Time to Peak =	12.5500 hrs
HYG Volume =	145662 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.4500	.00	.00	.00	.00 .01
7.7000	.01	.01	.02	.02 .03
7.9500	.03	.04	.05	.05 .06
8.2000	.07	.07	.08	.09 .09
8.4500	.10	.11	.12	.13 .14
8.7000	.15	.16	.17	.19 .20
8.9500	.21	.22	.24	.25 .26
9.2000	.28	.29	.31	.32 .33
9.4500	.34	.35	.37	.38 .39
9.7000	.40	.41	.43	.45 .47
9.9500	.49	.51	.53	.55 .58
10.2000	.60	.63	.66	.69 .73
10.4500	.76	.80	.84	.88 .92
10.7000	.97	1.01	1.07	1.12 1.18

10.9500	1.25	1.31	1.39	1.46	1.54
11.2000	1.64	1.74	1.85	1.98	2.13
11.4500	2.28	2.45	2.58	2.75	3.00
11.7000	3.41	4.04	4.69	5.40	6.21
11.9500	7.04	7.86	8.62	9.30	9.86
12.2000	10.30	10.64	10.88	11.14	11.35
12.4500	11.45	11.50	11.52	11.51	11.48
12.7000	11.44	11.37	11.28	11.16	11.02
12.9500	10.93	10.85	10.77	10.69	10.60
13.2000	10.51	10.42	10.32	10.21	10.10
13.4500	9.99	9.88	9.76	9.64	9.51
13.7000	9.38	9.24	9.09	8.94	8.79
13.9500	8.63	8.46	8.28	8.09	7.90
14.2000	7.70	7.48	7.25	7.01	6.76
14.4500	6.49	6.20	5.89	5.55	5.20
14.7000	4.83	4.44	3.95	3.38	2.94
14.9500	2.50	1.93	1.91	1.89	1.87

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
15.2000	1.85	1.83	1.81	1.79 1.77
15.4500	1.75	1.73	1.71	1.69 1.67
15.7000	1.65	1.63	1.61	1.59 1.57
15.9500	1.54	1.52	1.50	1.48 1.46
16.2000	1.45	1.43	1.41	1.40 1.39
16.4500	1.38	1.37	1.36	1.35 1.34
16.7000	1.34	1.33	1.32	1.31 1.31
16.9500	1.30	1.29	1.28	1.28 1.27
17.2000	1.26	1.25	1.25	1.24 1.23
17.4500	1.23	1.22	1.21	1.20 1.20
17.7000	1.19	1.18	1.18	1.17 1.16
17.9500	1.15	1.15	1.14	1.13 1.12
18.2000	1.12	1.11	1.10	1.09 1.09
18.4500	1.08	1.07	1.07	1.06 1.05
18.7000	1.04	1.04	1.03	1.02 1.01
18.9500	1.01	1.00	.99	.98 .98
19.2000	.97	.96	.95	.95 .94
19.4500	.93	.92	.92	.91 .90
19.7000	.89	.89	.88	.87 .86
19.9500	.86	.85	.84	.83 .83

20.2000	.82	.82	.81	.81
.80				
20.4500	.80	.80	.79	.79
.79				
20.7000	.79	.79	.79	.78
.78				
20.9500	.78	.78	.78	.78
.77				
21.2000	.77	.77	.77	.77
.77				
21.4500	.77	.76	.76	.76
.76				
21.7000	.76	.76	.76	.76
.75				
21.9500	.75	.75	.75	.75
.75				
22.2000	.74	.74	.74	.74
.74				
22.4500	.74	.74	.73	.73
.73				
22.7000	.73	.73	.73	.73
.72				
22.9500	.72	.72	.72	.72
.72				
23.2000	.72	.71	.71	.71
.71				
23.4500	.71	.71	.71	.70
.70				
23.7000	.70	.70	.70	.70
.70				
23.9500	.69	.69	.69	.66
.62				
24.2000	.55	.46	.37	.28
.21				
24.4500	.15	.11	.08	.06
.04				
24.7000	.03	.02	.02	.01
.01				
24.9500	.01	.00	.00	.00
.00				

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 15
Outflow HYG file = NONE STORED - BASIN5 OUT 15

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	548.70 ft
Starting Volume	=	5175 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
546.00	.00	0	1175	.00	.00	.00
546.10	.00	120	1222	.00	.00	1.33
546.20	.00	244	1270	.00	.00	2.72
546.30	.00	374	1319	.00	.00	4.15
546.40	.00	508	1368	.00	.00	5.65
546.50	.00	648	1419	.00	.00	7.19
546.60	.00	792	1471	.00	.00	8.80
546.70	.00	942	1523	.00	.00	10.46
546.80	.00	1097	1576	.00	.00	12.18
546.90	.00	1257	1631	.00	.00	13.97

547.00	.00	1423	1686	.00	.00
15.81					
547.10	.00	1594	1742	.00	.00
17.71					
547.20	.00	1771	1799	.00	.00
19.68					
547.30	.00	1954	1857	.00	.00
21.71					
547.40	.00	2143	1916	.00	.00
23.81					
547.50	.00	2337	1976	.00	.00
25.97					
547.60	.00	2538	2037	.00	.00
28.20					
547.70	.00	2745	2098	.00	.00
30.50					
547.80	.00	2958	2161	.00	.00
32.86					
547.90	.00	3177	2225	.00	.00
35.30					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 15
Outflow HYG file = NONE STORED - BASIN5 OUT 15

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	548.70 ft
Starting Volume	=	5175 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
548.00	.00	3403	2289	.00	.00	37.81
548.10	.00	3635	2356	.00	.00	40.39
548.20	.00	3874	2425	.00	.00	43.04
548.30	.00	4120	2494	.00	.00	45.78
548.40	.00	4373	2565	.00	.00	48.59
548.50	.00	4633	2636	.00	.00	51.48
548.60	.00	4900	2709	.00	.00	54.45
548.70	.00	5175	2782	.00	.00	57.50
548.80	.05	5457	2856	.00	.05	60.68
548.90	.13	5746	2932	.00	.13	63.98

549.00	.25	6043	3008	.00	.25
67.39					
549.10	.38	6348	3085	.00	.38
70.91					
549.20	.53	6660	3164	.00	.53
74.53					
549.30	.70	6980	3243	.00	.70
78.26					
549.40	.88	7309	3323	.00	.88
82.09					
549.50	1.07	7645	3404	.00	1.07
86.02					
549.60	1.28	7989	3486	.00	1.28
90.05					
549.70	1.50	8342	3570	.00	1.50
94.19					
549.80	1.73	8703	3654	.00	1.73
98.44					
549.90	1.97	9073	3739	.00	1.97
102.79					

S/N:
PondPack Ver: Compute Time: Date:

Name.... BASIN5
File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 15
Outflow HYG file = NONE STORED - BASIN5 OUT 15

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 548.70	ft
Starting Volume	= 5175	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
550.00	2.15	9451	3825	.00	2.15	107.17
550.10	2.28	9838	3906	.00	2.28	111.59
550.20	2.41	10233	3988	.00	2.41	116.10
550.30	2.52	10636	4071	.00	2.52	120.70
550.40	2.64	11047	4155	.00	2.64	125.38
550.50	2.74	11467	4240	.00	2.74	130.15
550.60	2.85	11895	4325	.00	2.85	135.01
550.70	2.95	12332	4412	.00	2.95	139.97
550.80	3.04	12777	4499	.00	3.04	145.01
550.90	3.14	13232	4587	.00	3.14	150.16

551.00	3.23	13695	4676	.00	3.23
155.39					
551.10	3.32	14167	4766	.00	3.32
160.73					
551.20	3.40	14648	4857	.00	3.40
166.16					
551.30	3.49	15138	4948	.00	3.49
171.69					
551.40	3.57	15638	5041	.00	3.57
177.32					
551.50	3.65	16146	5134	.00	3.65
183.06					
551.60	3.73	16664	5228	.00	3.73
188.89					
551.70	3.81	17192	5323	.00	3.81
194.83					
551.80	3.88	17729	5419	.00	3.88
200.87					
551.90	3.95	18276	5516	.00	3.95
207.02					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 15
Outflow HYG file = NONE STORED - BASIN5 OUT 15

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 548.70	ft
Starting Volume	= 5175	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
552.00	4.03	18832	5613	.00	4.03	213.28
552.10	4.10	19398	5708	.00	4.10	219.63
552.20	4.17	19974	5803	.00	4.17	226.10
552.30	4.24	20559	5899	.00	4.24	232.67
552.40	4.30	21154	5996	.00	4.30	239.35
552.50	4.37	21758	6094	.00	4.37	246.13
552.60	4.44	22373	6193	.00	4.44	253.02
552.70	4.50	22997	6292	.00	4.50	260.02
552.80	4.57	23631	6393	.00	4.57	267.13
552.90	4.63	24276	6494	.00	4.63	274.36

553.00	4.69	24930	6595	.00	4.69
281.69					
553.10	4.75	25594	6698	.00	4.75
289.14					
553.20	4.81	26270	6801	.00	4.81
296.70					
553.30	4.87	26955	6906	.00	4.87
304.37					
553.40	4.93	27651	7011	.00	4.93
312.16					
553.50	4.99	28357	7116	.00	4.99
320.07					
553.60	5.05	29074	7223	.00	5.05
328.09					
553.70	5.10	29802	7330	.00	5.10
336.24					
553.80	5.16	30540	7438	.00	5.16
344.49					
553.90	5.22	31290	7547	.00	5.22
352.88					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 15
Outflow HYG file = NONE STORED - BASIN5 OUT 15

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 548.70	ft
Starting Volume	= 5175	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
554.00	5.27	32050	7657	.00	5.27	361.38
554.10	5.33	32820	7765	.00	5.33	370.00
554.20	5.38	33603	7874	.00	5.38	378.74
554.30	5.43	34395	7984	.00	5.43	387.61
554.40	5.49	35200	8095	.00	5.49	396.60
554.50	5.54	36015	8206	.00	5.54	405.70
554.60	5.59	36840	8318	.00	5.59	414.93
554.70	5.64	37678	8431	.00	5.64	424.29
554.80	5.69	38527	8544	.00	5.69	433.77
554.90	5.75	39387	8659	.00	5.75	443.38

555.00	5.80	40259	8774	.00	5.80
453.11					
555.10	5.85	41142	8890	.00	5.85
462.98					
555.20	5.89	42037	9007	.00	5.89
472.97					
555.30	5.94	42943	9124	.00	5.94
483.09					
555.40	5.99	43862	9242	.00	5.99
493.34					
555.50	6.04	44792	9361	.00	6.04
503.73					
555.60	6.09	45734	9481	.00	6.09
514.24					
555.70	6.14	46688	9601	.00	6.14
524.89					
555.80	6.18	47654	9722	.00	6.18
535.67					
555.90	6.23	48633	9844	.00	6.23
546.59					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 15
Outflow HYG file = NONE STORED - BASIN5 OUT 15

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 548.70	ft
Starting Volume	= 5175	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
556.00	6.28	49623	9967	.00	6.28	557.64
556.10	6.32	50625	10088	.00	6.32	568.83
556.20	6.37	51641	10210	.00	6.37	580.15
556.30	6.41	52667	10332	.00	6.41	591.61
556.40	6.46	53707	10455	.00	6.46	603.20
556.50	6.50	54759	10579	.00	6.50	614.93
556.60	6.55	55822	10703	.00	6.55	626.79
556.70	6.59	56899	10828	.00	6.59	638.81
556.80	6.63	57988	10954	.00	6.63	650.95
556.90	6.68	59090	11081	.00	6.68	663.24

557.00	6.72	60205	11209	.00	6.72
675.66					
557.10	6.76	61332	11337	.00	6.76
688.23					
557.20	6.81	62472	11466	.00	6.81
700.94					
557.30	6.85	63625	11595	.00	6.85
713.79					
557.40	6.89	64791	11726	.00	6.89
726.79					
557.50	6.93	65970	11857	.00	6.93
739.93					
557.60	6.97	67162	11988	.00	6.97
753.22					
557.70	7.02	68368	12121	.00	7.02
766.66					
557.75	7.04	68976	12188	.00	7.04
773.43					
557.80	7.43	69586	12254	.00	7.43
780.61					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 15
Outflow HYG file = NONE STORED - BASIN5 OUT 15

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	548.70 ft
Starting Volume	=	5175 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
557.90	9.02	70819	12388	.00	9.02	795.89
558.00	11.26	72064	12523	.00	11.26	811.98
558.10	14.01	73323	12666	.00	14.01	828.72
558.20	17.18	74598	12810	.00	17.18	846.05
558.30	20.72	75886	12955	.00	20.72	863.89
558.40	24.59	77189	13101	.00	24.59	882.25
558.50	28.77	78506	13247	.00	28.77	901.06
558.60	33.24	79838	13394	.00	33.24	920.32
558.70	37.97	81185	13542	.00	37.97	940.03
558.80	42.96	82546	13691	.00	42.96	960.14

558.90	48.19	83923	13841	.00	48.19
980.68					
559.00	53.65	85315	13991	.00	53.65
1001.59					
559.10	59.33	86721	14143	.00	59.33
1022.90					
559.20	65.23	88143	14295	.00	65.23
1044.60					
559.30	71.33	89580	14448	.00	71.33
1066.66					
559.40	77.63	91033	14601	.00	77.63
1089.11					
559.50	84.12	92501	14756	.00	84.12
1111.90					
559.60	90.80	93984	14911	.00	90.80
1135.06					
559.70	97.66	95483	15068	.00	97.66
1158.58					
559.80	104.69	96997	15225	.00	104.69
1182.44					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 15
Outflow HYG file = NONE STORED - BASIN5 OUT 15

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 548.70	ft
Starting Volume	= 5175	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
559.90	111.91	98528	15382	.00	111.91	1206.67
560.00	119.28	100074	15541	.00	119.28	1231.22

SUMMARY FOR HYDROGRAPH ADDITION
at Node: BASIN5 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 120	BASIN5		BASIN5	15

INFLOWS TO: BASIN5 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN5	15	158941	12.1000	47.49

TOTAL FLOW INTO: BASIN5 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN5 IN	15	158941	12.1000	47.49

S/N:
PondPack Ver: Compute Time: Date:

TOTAL NODE INFLOW...
HYG file =
HYG ID = BASIN5 IN
HYG Tag = 15

Peak Discharge =	47.49 cfs
Time to Peak =	12.1000 hrs
HYG Volume =	158941 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
9.4000	.00	.00	.01	.01	.02
9.6500	.03	.04	.06	.07	.08
9.9000	.10	.12	.14	.16	.18
10.1500	.20	.22	.25	.27	.30
10.4000	.33	.36	.40	.43	.47
10.6500	.51	.55	.60	.65	.71
10.9000	.77	.83	.90	.97	1.04
11.1500	1.13	1.23	1.34	1.47	1.62
11.4000	1.77	1.94	2.13	2.40	2.89
11.6500	3.76	5.24	7.64	11.14	16.25
11.9000	23.47	32.59	41.26	46.75	47.49
12.1500	43.16	36.01	28.91	22.99	18.66
12.4000	15.65	13.40	11.63	10.20	9.04
12.6500	8.11	7.36	6.76	6.28	5.90

12.9000	5.60	5.35	5.13	4.93
4.76				
13.1500	4.59	4.44	4.31	4.19
4.08				
13.4000	3.98	3.88	3.78	3.68
3.59				
13.6500	3.50	3.42	3.34	3.26
3.19				
13.9000	3.12	3.05	2.98	2.91
2.85				
14.1500	2.79	2.73	2.69	2.65
2.62				
14.4000	2.59	2.56	2.53	2.51
2.49				
14.6500	2.46	2.44	2.41	2.39
2.37				
14.9000	2.34	2.32	2.30	2.27
2.25				
15.1500	2.23	2.20	2.18	2.16
2.13				
15.4000	2.11	2.08	2.06	2.04
2.01				
15.6500	1.99	1.96	1.94	1.92
1.89				
15.9000	1.87	1.84	1.82	1.79
1.77				
16.1500	1.75	1.73	1.71	1.70
1.69				
16.4000	1.68	1.67	1.66	1.65
1.64				
16.6500	1.63	1.62	1.61	1.60
1.60				
16.9000	1.59	1.58	1.57	1.56
1.55				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
17.1500	1.54	1.54	1.53	1.52
1.51				
17.4000	1.50	1.49	1.48	1.48
1.47				
17.6500	1.46	1.45	1.44	1.43
1.42				
17.9000	1.41	1.41	1.40	1.39
1.38				
18.1500	1.37	1.36	1.35	1.34
1.33				
18.4000	1.33	1.32	1.31	1.30
1.29				
18.6500	1.28	1.27	1.26	1.25
1.25				
18.9000	1.24	1.23	1.22	1.21
1.20				
19.1500	1.19	1.18	1.17	1.16
1.15				
19.4000	1.15	1.14	1.13	1.12
1.11				
19.6500	1.10	1.09	1.08	1.07
1.06				
19.9000	1.05	1.04	1.04	1.03
1.02				
20.1500	1.01	1.00	1.00	.99
.99				
20.4000	.99	.99	.98	.98
.98				
20.6500	.98	.98	.97	.97
.97				
20.9000	.97	.97	.97	.96
.96				
21.1500	.96	.96	.96	.96
.95				
21.4000	.95	.95	.95	.95
.95				
21.6500	.94	.94	.94	.94
.94				
21.9000	.94	.93	.93	.93
.93				

22.1500	.93	.93	.92	.92
.92				
22.4000	.92	.92	.91	.91
.91				
22.6500	.91	.91	.91	.90
.90				
22.9000	.90	.90	.90	.90
.89				
23.1500	.89	.89	.89	.89
.89				
23.4000	.88	.88	.88	.88
.88				
23.6500	.88	.87	.87	.87
.87				
23.9000	.87	.86	.86	.84
.77				
24.1500	.64	.49	.35	.23
.15				
24.4000	.10	.07	.05	.03
.02				
24.6500	.01	.01	.01	.00
.00				
24.9000	.00			

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: BASIN5 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 120	BASIN5		BASIN5	25

INFLOWS TO: BASIN5 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	BASIN5	25	186272	12.1000	55.82

TOTAL FLOW INTO: BASIN5 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
BASIN5	IN	25	186272	12.1000	55.82

TOTAL NODE INFLOW...
HYG file =
HYG ID = BASIN5 IN
HYG Tag = 25

Peak Discharge	55.82 cfs
Time to Peak	12.1000 hrs
HYG Volume	186272 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.9500	.00	.00	.01	.01	.02
9.2000	.03	.04	.06	.07	.09
9.4500	.10	.12	.13	.15	.16
9.7000	.18	.20	.21	.24	.26
9.9500	.28	.30	.33	.36	.38
10.2000	.41	.45	.48	.52	.56
10.4500	.60	.64	.68	.73	.78
10.7000	.84	.90	.96	1.03	1.11
10.9500	1.18	1.27	1.35	1.45	1.56
11.2000	1.68	1.82	1.98	2.16	2.35
11.4500	2.56	2.79	3.12	3.72	4.81
11.7000	6.63	9.57	13.80	19.88	28.40
11.9500	39.03	49.02	55.20	55.82	50.56
12.2000	42.08	33.72	26.76	21.68	18.16

12.4500	15.51	13.44	11.78	10.42	9.34
12.7000	8.47	7.78	7.22	6.78	6.43
12.9500	6.13	5.88	5.66	5.45	5.26
13.2000	5.09	4.94	4.80	4.67	4.55
13.4500	4.44	4.32	4.21	4.11	4.01
13.7000	3.91	3.82	3.73	3.64	3.56
13.9500	3.48	3.40	3.33	3.25	3.18
14.2000	3.12	3.07	3.03	2.99	2.95
14.4500	2.92	2.89	2.86	2.84	2.81
14.7000	2.78	2.75	2.73	2.70	2.67
14.9500	2.65	2.62	2.59	2.57	2.54
15.2000	2.51	2.48	2.46	2.43	2.40
15.4500	2.38	2.35	2.32	2.29	2.26
15.7000	2.24	2.21	2.18	2.15	2.13
15.9500	2.10	2.07	2.04	2.01	1.99
16.2000	1.97	1.95	1.93	1.92	1.91
16.4500	1.90	1.88	1.87	1.86	1.85

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.7000	1.84	1.83	1.82	1.81 1.80
16.9500	1.79	1.79	1.78	1.77 1.76
17.2000	1.75	1.74	1.73	1.72 1.71
17.4500	1.70	1.69	1.68	1.67 1.66
17.7000	1.65	1.64	1.63	1.62 1.61
17.9500	1.60	1.59	1.58	1.57 1.56
18.2000	1.55	1.54	1.53	1.52 1.51
18.4500	1.50	1.49	1.48	1.47 1.45
18.7000	1.44	1.43	1.42	1.41 1.40
18.9500	1.39	1.38	1.37	1.36 1.35
19.2000	1.34	1.33	1.32	1.31 1.30
19.4500	1.29	1.28	1.27	1.26 1.25
19.7000	1.24	1.23	1.22	1.21 1.20
19.9500	1.19	1.18	1.16	1.16 1.15
20.2000	1.14	1.13	1.13	1.12 1.12
20.4500	1.12	1.12	1.11	1.11 1.11
20.7000	1.11	1.10	1.10	1.10 1.10
20.9500	1.10	1.10	1.09	1.09 1.09
21.2000	1.09	1.09	1.08	1.08 1.08
21.4500	1.08	1.08	1.07	1.07 1.07

21.7000	1.07	1.07	1.06	1.06
1.06				
21.9500	1.06	1.06	1.05	1.05
1.05				
22.2000	1.05	1.05	1.04	1.04
1.04				
22.4500	1.04	1.04	1.03	1.03
1.03				
22.7000	1.03	1.03	1.02	1.02
1.02				
22.9500	1.02	1.02	1.01	1.01
1.01				
23.2000	1.01	1.01	1.00	1.00
1.00				
23.4500	1.00	1.00	.99	.99
.99				
23.7000	.99	.99	.98	.98
.98				
23.9500	.98	.97	.95	.87
.73				
24.2000	.55	.39	.26	.17
.12				
24.4500	.08	.05	.03	.02
.02				
24.7000	.01	.01	.00	.00
.00				

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: BASIN5 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 120	BASIN5		BASIN5	100

INFLOWS TO: BASIN5 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
BASIN5		100	260841	12.1000	78.24

TOTAL FLOW INTO: BASIN5 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
BASIN5	IN	100	260841	12.1000	78.24

TOTAL NODE INFLOW...
HYG file =
HYG ID = BASIN5 IN
HYG Tag = 100

Peak Discharge	78.24 cfs
Time to Peak	12.1000 hrs
HYG Volume	260841 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.9500	.00	.00	.01	.01	.02
8.2000	.03	.04	.05	.06	.08
8.4500	.09	.11	.12	.14	.16
8.7000	.17	.19	.21	.23	.26
8.9500	.28	.30	.32	.35	.37
9.2000	.39	.42	.44	.46	.48
9.4500	.50	.52	.54	.56	.59
9.7000	.61	.64	.67	.70	.74
9.9500	.78	.82	.86	.90	.95
10.2000	1.00	1.05	1.11	1.17	1.23
10.4500	1.30	1.37	1.44	1.51	1.59
10.7000	1.68	1.78	1.88	1.99	2.11
10.9500	2.23	2.35	2.49	2.64	2.80
11.2000	2.99	3.21	3.46	3.73	4.02

11.4500	4.33	4.68	5.19	6.12	7.79
11.7000	10.57	14.98	21.21	29.98	41.98
11.9500	56.65	70.10	78.04	78.24	70.42
12.2000	58.33	46.56	36.83	29.72	24.81
12.4500	21.12	18.25	15.95	14.08	12.60
12.7000	11.40	10.45	9.69	9.09	8.61
12.9500	8.21	7.87	7.56	7.29	7.03
13.2000	6.80	6.59	6.40	6.23	6.07
13.4500	5.91	5.76	5.61	5.47	5.33
13.7000	5.20	5.07	4.96	4.84	4.73
13.9500	4.63	4.52	4.42	4.32	4.23
14.2000	4.14	4.07	4.01	3.96	3.92
14.4500	3.87	3.83	3.79	3.76	3.72
14.7000	3.68	3.65	3.61	3.57	3.54
14.9500	3.50	3.47	3.43	3.39	3.36
15.2000	3.32	3.28	3.25	3.21	3.17
15.4500	3.14	3.10	3.06	3.03	2.99

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
15.7000	2.95	2.92	2.88	2.84
15.9500	2.77	2.73	2.69	2.66
16.2000	2.59	2.57	2.55	2.53
16.4500	2.50	2.48	2.47	2.45
16.7000	2.43	2.41	2.40	2.39
16.9500	2.36	2.35	2.34	2.32
17.2000	2.30	2.28	2.27	2.26
17.4500	2.23	2.22	2.20	2.19
17.7000	2.16	2.15	2.14	2.12
17.9500	2.10	2.08	2.07	2.06
18.2000	2.03	2.02	2.00	1.99
18.4500	1.96	1.95	1.94	1.92
18.7000	1.90	1.88	1.87	1.85
18.9500	1.83	1.81	1.80	1.79
19.2000	1.76	1.75	1.73	1.72
19.4500	1.69	1.68	1.66	1.65
19.7000	1.62	1.61	1.59	1.58
19.9500	1.55	1.54	1.53	1.51
20.2000	1.49	1.48	1.48	1.47
20.4500	1.46	1.46	1.46	1.45

20.7000	1.45	1.45	1.44	1.44
1.44				
20.9500	1.44	1.43	1.43	1.43
1.42				
21.2000	1.42	1.42	1.42	1.41
1.41				
21.4500	1.41	1.41	1.40	1.40
1.40				
21.7000	1.40	1.39	1.39	1.39
1.39				
21.9500	1.38	1.38	1.38	1.38
1.37				
22.2000	1.37	1.37	1.36	1.36
1.36				
22.4500	1.36	1.35	1.35	1.35
1.35				
22.7000	1.34	1.34	1.34	1.34
1.33				
22.9500	1.33	1.33	1.33	1.32
1.32				
23.2000	1.32	1.31	1.31	1.31
1.31				
23.4500	1.30	1.30	1.30	1.30
1.29				
23.7000	1.29	1.29	1.29	1.28
1.28				
23.9500	1.28	1.27	1.24	1.13
.95				
24.2000	.72	.51	.34	.23
.15				
24.4500	.10	.07	.05	.03
.02				
24.7000	.01	.01	.00	.00
.00				
24.9500	.00			

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 15
Outflow HYG file = NONE STORED - BASIN5 OUT 15

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	548.70 ft
Starting Volume	=	5175 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	47.49 cfs	at	12.1000 hrs
Peak Outflow	=	7.68 cfs	at	12.7000 hrs
Peak Elevation	=	557.82 ft		
Peak Storage	=	69784 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	5175
+ HYG Vol IN	=	158941
- Infiltration	=	0
- HYG Vol OUT	=	158924
- Retained Vol	=	5192
Unrouted Vol	= -	cu.ft (.000% of Inflow Volume)

S/N:
PondPack Ver: Compute Time: Date:

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = BASIN5 OUT
HYG Tag = 15

Peak Discharge	7.68 cfs
Time to Peak	12.7000 hrs
HYG Volume	158924 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
9.4000	.00	.00	.00	.00	.00
9.6500	.00	.00	.00	.01	.01
9.9000	.01	.01	.02	.02	.02
10.1500	.03	.04	.04	.05	.06
10.4000	.07	.09	.10	.12	.14
10.6500	.16	.18	.21	.24	.27
10.9000	.31	.34	.38	.43	.48
11.1500	.53	.59	.65	.72	.80
11.4000	.88	.98	1.08	1.20	1.35
11.6500	1.56	1.89	2.25	2.62	3.08
11.9000	3.61	4.20	4.80	5.35	5.81
12.1500	6.18	6.45	6.65	6.78	6.87
12.4000	6.94	6.99	7.02	7.16	7.43
12.6500	7.67	7.68	7.55	7.38	7.24

12.9000	7.08	7.03	7.02	7.01
6.99				
13.1500	6.98	6.96	6.95	6.93
6.91				
13.4000	6.89	6.87	6.85	6.83
6.81				
13.6500	6.79	6.77	6.75	6.72
6.70				
13.9000	6.67	6.65	6.62	6.60
6.57				
14.1500	6.54	6.51	6.48	6.45
6.42				
14.4000	6.39	6.36	6.33	6.30
6.27				
14.6500	6.24	6.21	6.17	6.14
6.11				
14.9000	6.07	6.04	6.01	5.97
5.94				
15.1500	5.90	5.86	5.83	5.79
5.75				
15.4000	5.71	5.68	5.64	5.60
5.56				
15.6500	5.52	5.48	5.43	5.39
5.35				
15.9000	5.31	5.26	5.22	5.17
5.13				
16.1500	5.08	5.03	4.98	4.94
4.89				
16.4000	4.84	4.79	4.74	4.69
4.63				
16.6500	4.58	4.53	4.48	4.42
4.37				
16.9000	4.31	4.26	4.20	4.15
4.09				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
17.1500	4.03	3.98	3.92	3.86	3.80
17.4000	3.74	3.68	3.62	3.56	3.50
17.6500	3.44	3.38	3.32	3.25	3.19
17.9000	3.13	3.07	3.00	2.94	2.88
18.1500	2.82	2.75	2.69	2.63	2.57
18.4000	2.51	2.45	2.39	2.33	2.27
18.6500	2.21	2.16	2.09	2.02	1.95
18.9000	1.87	1.80	1.74	1.68	1.63
19.1500	1.58	1.54	1.50	1.46	1.43
19.4000	1.40	1.37	1.35	1.32	1.30
19.6500	1.28	1.26	1.24	1.23	1.21
19.9000	1.20	1.18	1.17	1.15	1.14
20.1500	1.13	1.11	1.10	1.09	1.08
20.4000	1.07	1.06	1.06	1.05	1.04
20.6500	1.04	1.03	1.02	1.02	1.01
20.9000	1.01	1.01	1.00	1.00	.99
21.1500	.99	.99	.99	.98	.98
21.4000	.98	.97	.97	.97	.97
21.6500	.97	.96	.96	.96	.96
21.9000	.95	.95	.95	.95	.95

22.1500	.94	.94	.94	.94
.94				
22.4000	.94	.93	.93	.93
.93				
22.6500	.93	.92	.92	.92
.92				
22.9000	.92	.92	.91	.91
.91				
23.1500	.91	.91	.91	.90
.90				
23.4000	.90	.90	.90	.90
.89				
23.6500	.89	.89	.89	.89
.88				
23.9000	.88	.88	.88	.88
.87				
24.1500	.85	.83	.79	.74
.69				
24.4000	.64	.59	.54	.50
.46				
24.6500	.42	.39	.36	.33
.31				
24.9000	.28	.26	.24	.23
.21				
25.1500	.20	.19	.17	.16
.15				
25.4000	.14	.13	.13	.12
.11				
25.6500	.11	.10	.10	.09
.09				
25.9000	.08	.08	.07	.07
.07				
26.1500	.06	.06	.06	.05
.05				
26.4000	.05	.05	.04	.04
.04				
26.6500	.04	.04	.04	.04
.04				
26.9000	.04	.03	.03	.03
.03				
27.1500	.03	.03	.03	.03
.03				
27.4000	.03	.03	.02	.02
.02				
27.6500	.02	.02	.02	.02
.02				
27.9000	.02	.02	.02	.02
.02				
28.1500	.02	.02	.02	.02
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
28.4000	.01	.01	.01	.01
28.6500	.01	.01	.01	.01
28.9000	.01	.01	.01	.01
29.1500	.01	.01	.01	.01
29.4000	.01	.01	.01	.01
29.6500	.01	.01	.01	.01
29.9000	.01	.01	.01	.01
30.1500	.00	.00	.00	.00
30.4000	.00	.00	.00	.00
30.6500	.00	.00	.00	.00
30.9000	.00	.00	.00	

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 25
Outflow HYG file = NONE STORED - BASIN5 OUT 25

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	548.70 ft
Starting Volume	=	5175 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	55.82 cfs	at	12.1000 hrs
Peak Outflow	=	18.34 cfs	at	12.4000 hrs
Peak Elevation	=	558.23 ft		
Peak Storage	=	75017 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	5175
+ HYG Vol IN	=	186272
- Infiltration	=	0
- HYG Vol OUT	=	186254
- Retained Vol	=	5192
Unrouted Vol	= -	cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = BASIN5 OUT
HYG Tag = 25

Peak Discharge =	18.34 cfs
Time to Peak =	12.4000 hrs
HYG Volume =	186254 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
8.9500	.00	.00	.00	.00 .00
9.2000	.00	.00	.00	.01 .01
9.4500	.01	.01	.02	.02 .02
9.7000	.03	.03	.04	.04 .05
9.9500	.06	.08	.09	.10 .12
10.2000	.13	.15	.17	.19 .21
10.4500	.24	.27	.30	.33 .36
10.7000	.39	.43	.47	.52 .57
10.9500	.62	.67	.73	.80 .86
11.2000	.94	1.02	1.11	1.21 1.31
11.4500	1.44	1.57	1.72	1.91 2.12
11.7000	2.34	2.63	3.01	3.47 4.01
11.9500	4.60	5.20	5.75	6.22 6.59
12.2000	6.86	7.35	13.40	17.30 18.34

12.4500	17.74	16.50	15.08	13.66	12.42
12.7000	11.27	10.39	9.58	8.90	8.42
12.9500	7.98	7.57	7.30	7.11	7.03
13.2000	7.02	7.01	6.99	6.98	6.97
13.4500	6.95	6.93	6.92	6.90	6.88
13.7000	6.86	6.84	6.82	6.80	6.78
13.9500	6.76	6.73	6.71	6.69	6.66
14.2000	6.64	6.61	6.59	6.56	6.53
14.4500	6.51	6.48	6.45	6.42	6.40
14.7000	6.37	6.34	6.31	6.28	6.25
14.9500	6.22	6.19	6.16	6.13	6.10
15.2000	6.06	6.03	6.00	5.96	5.93
15.4500	5.90	5.86	5.83	5.79	5.75
15.7000	5.72	5.68	5.64	5.60	5.57
15.9500	5.53	5.49	5.45	5.40	5.36
16.2000	5.32	5.28	5.24	5.19	5.15
16.4500	5.10	5.06	5.01	4.97	4.92

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
16.7000	4.87	4.83	4.78	4.73	4.68
16.9500	4.63	4.58	4.53	4.48	4.43
17.2000	4.38	4.33	4.28	4.23	4.17
17.4500	4.12	4.07	4.01	3.96	3.90
17.7000	3.85	3.79	3.74	3.68	3.62
17.9500	3.57	3.51	3.45	3.39	3.34
18.2000	3.28	3.22	3.16	3.10	3.04
18.4500	2.99	2.93	2.87	2.81	2.75
18.7000	2.69	2.64	2.58	2.52	2.47
18.9500	2.41	2.36	2.30	2.25	2.20
19.2000	2.15	2.08	2.02	1.95	1.88
19.4500	1.82	1.76	1.71	1.66	1.61
19.7000	1.57	1.54	1.50	1.47	1.44
19.9500	1.42	1.39	1.37	1.35	1.32
20.2000	1.31	1.29	1.27	1.26	1.24
20.4500	1.23	1.22	1.21	1.20	1.19
20.7000	1.18	1.17	1.17	1.16	1.15
20.9500	1.15	1.14	1.14	1.13	1.13
21.2000	1.12	1.12	1.12	1.11	1.11
21.4500	1.11	1.10	1.10	1.10	1.09

21.7000	1.09	1.09	1.09	1.08
1.08				
21.9500	1.08	1.08	1.08	1.07
1.07				
22.2000	1.07	1.07	1.06	1.06
1.06				
22.4500	1.06	1.06	1.05	1.05
1.05				
22.7000	1.05	1.05	1.04	1.04
1.04				
22.9500	1.04	1.04	1.03	1.03
1.03				
23.2000	1.03	1.03	1.02	1.02
1.02				
23.4500	1.02	1.02	1.01	1.01
1.01				
23.7000	1.01	1.01	1.00	1.00
1.00				
23.9500	1.00	1.00	.99	.98
.97				
24.2000	.93	.89	.83	.78
.72				
24.4500	.66	.61	.56	.51
.47				
24.7000	.43	.40	.37	.34
.31				
24.9500	.29	.27	.25	.23
.22				
25.2000	.20	.19	.18	.16
.15				
25.4500	.14	.13	.13	.12
.11				
25.7000	.11	.10	.10	.09
.09				
25.9500	.08	.08	.07	.07
.07				
26.2000	.06	.06	.06	.05
.05				
26.4500	.05	.05	.04	.04
.04				
26.7000	.04	.04	.04	.04
.04				
26.9500	.04	.03	.03	.03
.03				
27.2000	.03	.03	.03	.03
.03				
27.4500	.03	.03	.02	.02
.02				
27.7000	.02	.02	.02	.02
.02				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.9500	.02	.02	.02	.02
28.2000	.02	.02	.02	.02
28.4500	.01	.01	.01	.01
28.7000	.01	.01	.01	.01
28.9500	.01	.01	.01	.01
29.2000	.01	.01	.01	.01
29.4500	.01	.01	.01	.01
29.7000	.01	.01	.01	.01
29.9500	.01	.01	.01	.01
30.2000	.00	.00	.00	.00
30.4500	.00	.00	.00	.00
30.7000	.00	.00	.00	.00
30.9500	.00	.00	.00	

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - BASIN5 IN 100
Outflow HYG file = NONE STORED - BASIN5 OUT 100

Pond Node Data = BASIN5
Pond Volume Data = BASIN5
Pond Outlet Data = Outlet 6

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	548.70 ft
Starting Volume	=	5175 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	78.24 cfs	at	12.1000 hrs
Peak Outflow	=	50.84 cfs	at	12.2500 hrs
Peak Elevation	=	558.95 ft		
Peak Storage	=	84596 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	5175
+ HYG Vol IN	=	260841
- Infiltration	=	0
- HYG Vol OUT	=	260823
- Retained Vol	=	5192
Unrouted Vol	= -	cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = BASIN5 OUT
HYG Tag = 100

Peak Discharge =	50.84 cfs
Time to Peak =	12.2500 hrs
HYG Volume =	260823 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.9500	.00	.00	.00	.00 .00
8.2000	.00	.00	.00	.01 .01
8.4500	.01	.01	.02	.02 .02
8.7000	.03	.03	.04	.04 .05
8.9500	.06	.07	.09	.10 .11
9.2000	.13	.14	.16	.18 .20
9.4500	.22	.24	.26	.28 .30
9.7000	.33	.35	.37	.40 .42
9.9500	.45	.48	.51	.54 .58
10.2000	.61	.65	.69	.73 .77
10.4500	.82	.87	.92	.98 1.03
10.7000	1.09	1.16	1.23	1.30 1.38
10.9500	1.46	1.55	1.65	1.75 1.85
11.2000	1.97	2.06	2.16	2.25 2.34

11.4500	2.44	2.54	2.66	2.79
2.96				
11.7000	3.19	3.50	3.89	4.36
4.90				
11.9500	5.49	6.08	6.63	8.58
33.93				
12.2000	49.08	50.84	46.12	39.66
33.65				
12.4500	28.69	24.69	21.48	18.87
16.72				
12.7000	14.99	13.56	12.41	11.42
10.68				
12.9500	10.04	9.48	9.00	8.67
8.35				
13.2000	8.06	7.77	7.51	7.34
7.21				
13.4500	7.08	7.03	7.02	7.01
7.00				
13.7000	6.99	6.98	6.97	6.96
6.94				
13.9500	6.93	6.91	6.90	6.88
6.87				
14.2000	6.85	6.83	6.81	6.79
6.77				
14.4500	6.75	6.73	6.71	6.69
6.67				
14.7000	6.65	6.63	6.61	6.59
6.56				
14.9500	6.54	6.52	6.50	6.47
6.45				
15.2000	6.43	6.40	6.38	6.35
6.33				
15.4500	6.30	6.27	6.25	6.22
6.19				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
15.7000	6.16	6.14	6.11	6.08
15.9500	6.02	5.99	5.96	5.93
16.2000	5.86	5.83	5.80	5.76
16.4500	5.69	5.66	5.62	5.59
16.7000	5.52	5.48	5.45	5.41
16.9500	5.34	5.30	5.26	5.22
17.2000	5.15	5.11	5.07	5.03
17.4500	4.95	4.91	4.86	4.82
17.7000	4.74	4.70	4.65	4.61
17.9500	4.52	4.48	4.43	4.39
18.2000	4.30	4.25	4.20	4.16
18.4500	4.06	4.02	3.97	3.92
18.7000	3.82	3.77	3.72	3.67
18.9500	3.57	3.52	3.47	3.42
19.2000	3.32	3.27	3.21	3.16
19.4500	3.06	3.01	2.96	2.90
19.7000	2.80	2.75	2.70	2.65
19.9500	2.55	2.50	2.45	2.40
20.2000	2.31	2.26	2.21	2.17
20.4500	2.06	2.01	1.97	1.91

20.7000	1.81	1.77	1.74	1.71	1.68
20.9500	1.65	1.63	1.61	1.59	1.57
21.2000	1.55	1.54	1.53	1.51	1.50
21.4500	1.49	1.48	1.48	1.47	1.46
21.7000	1.45	1.45	1.44	1.44	1.43
21.9500	1.43	1.42	1.42	1.41	1.41
22.2000	1.40	1.40	1.40	1.39	1.39
22.4500	1.39	1.38	1.38	1.38	1.37
22.7000	1.37	1.37	1.36	1.36	1.36
22.9500	1.36	1.35	1.35	1.35	1.34
23.2000	1.34	1.34	1.34	1.33	1.33
23.4500	1.33	1.33	1.32	1.32	1.32
23.7000	1.31	1.31	1.31	1.31	1.30
23.9500	1.30	1.30	1.29	1.28	1.26
24.2000	1.21	1.15	1.08	1.00	.92
24.4500	.84	.77	.70	.64	.59
24.7000	.54	.49	.45	.41	.38
24.9500	.35	.32	.30	.28	.26
25.2000	.24	.22	.21	.19	.18
25.4500	.17	.16	.15	.14	.13
25.7000	.12	.12	.11	.10	.10
25.9500	.09	.09	.08	.08	.08
26.2000	.07	.07	.06	.06	.06
26.4500	.05	.05	.05	.05	.05
26.7000	.04	.04	.04	.04	.04

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
26.9500	.04	.04	.04	.03 .03
27.2000	.03	.03	.03	.03 .03
27.4500	.03	.03	.03	.03 .02
27.7000	.02	.02	.02	.02 .02
27.9500	.02	.02	.02	.02 .02
28.2000	.02	.02	.02	.02 .02
28.4500	.02	.01	.01	.01 .01
28.7000	.01	.01	.01	.01 .01
28.9500	.01	.01	.01	.01 .01
29.2000	.01	.01	.01	.01 .01
29.4500	.01	.01	.01	.01 .01
29.7000	.01	.01	.01	.01 .01
29.9500	.01	.01	.01	.01 .01
30.2000	.01	.01	.00	.00 .00
30.4500	.00	.00	.00	.00 .00
30.7000	.00	.00	.00	.00 .00
30.9500	.00	.00	.00	.00 .00

Name.... POND1
File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - POND1 IN 15
Outflow HYG file = NONE STORED - POND1 OUT 15

Pond Node Data = POND1
Pond Volume Data = POND1
Pond Outlet Data = Outlet 1

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 599.48	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
599.48	.00	0	148186	.00	.00	.00
599.58	1.42	14877	149426	.00	1.42	166.72
599.68	4.03	29887	150672	.00	4.03	336.11
599.78	7.39	45013	151923	.00	7.39	507.54
599.88	11.39	60274	153179	.00	11.39	681.10
599.98	15.91	75651	154440	.00	15.91	856.48
600.08	20.91	91153	155659	.00	20.91	1033.72
600.18	26.36	106785	156872	.00	26.36	1212.85
600.28	32.20	122529	158089	.00	32.20	1393.63
600.38	38.42	138405	159311	.00	38.42	1576.25

600.48	45.00	154393	160537	.00	45.00
1760.48					
600.58	51.91	170504	161768	.00	51.91
1946.41					
600.68	59.15	186749	163004	.00	59.15
2134.14					
600.78	66.70	203107	164244	.00	66.70
2323.45					
600.88	74.54	219600	165490	.00	74.54
2514.54					
600.98	82.53	236207	166740	.00	82.53
2707.05					
601.08	85.23	252940	167994	.00	85.23
2895.68					
601.18	87.86	269808	169254	.00	87.86
3085.73					
601.28	90.40	286793	170518	.00	90.40
3276.99					
601.38	92.88	303914	171787	.00	92.88
3469.71					

S/N:
PondPack Ver: Compute Time: Date:

Name.... POND1
File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - POND1 IN 15
Outflow HYG file = NONE STORED - POND1 OUT 15

Pond Node Data = POND1
Pond Volume Data = POND1
Pond Outlet Data = Outlet 1

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 599.48	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
601.48	95.29	321152	173060	.00	95.29	3663.65
601.58	97.65	338518	174338	.00	97.65	3858.96
601.68	99.94	356022	175621	.00	99.94	4055.75
601.78	102.19	373644	176908	.00	102.19	4253.79
601.88	104.39	391406	178201	.00	104.39	4453.35
601.98	106.54	409287	179498	.00	106.54	4654.17
602.08	108.65	427283	180449	.00	108.65	4856.24
602.18	110.72	445378	181314	.00	110.72	5059.37
602.28	112.75	463548	182182	.00	112.75	5263.29
602.38	114.75	481817	183051	.00	114.75	5468.27

602.48	116.71	500161	183923	.00	116.71
5674.05					
602.58	118.64	518592	184796	.00	118.64
5880.78					
602.68	120.54	537123	185673	.00	120.54
6088.57					
602.78	122.41	555729	186550	.00	122.41
6297.17					
602.88	124.25	574435	187430	.00	124.25
6506.86					
602.98	126.06	593217	188312	.00	126.06
6717.37					
603.08	127.85	612088	189196	.00	127.85
6928.83					
603.18	129.61	631059	190083	.00	129.61
7141.38					
603.28	131.35	650107	190971	.00	131.35
7354.76					
603.38	133.07	669256	191861	.00	133.07
7569.24					

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - POND1 IN 15
Outflow HYG file = NONE STORED - POND1 OUT 15

Pond Node Data = POND1
Pond Volume Data = POND1
Pond Outlet Data = Outlet 1

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 599.48	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
603.48	134.76	688482	192753	.00	134.76	7784.56
603.58	136.44	707797	193647	.00	136.44	8000.85
603.68	138.09	727214	194544	.00	138.09	8218.24
603.78	139.73	746708	195443	.00	139.73	8436.48
603.88	141.34	766305	196344	.00	141.34	8655.84
603.98	142.94	785979	197246	.00	142.94	8876.04
604.08	144.52	805747	198222	.00	144.52	9097.27
604.18	146.08	825626	199218	.00	146.08	9319.71
604.28	147.63	845593	200217	.00	147.63	9543.11
604.38	149.16	865672	201219	.00	149.16	9767.74

604.48	150.67	885839	202222	.00	150.67
9993.33					
604.58	152.17	906107	203228	.00	152.17
10220.03					
604.68	153.66	926488	204237	.00	153.66
10447.96					
604.78	155.13	946957	205248	.00	155.13
10676.87					
604.88	156.58	967540	206262	.00	156.58
10907.03					
604.98	158.03	988212	207278	.00	158.03
11138.16					
605.08	159.46	1008986	208297	.00	159.46
11370.41					
605.18	160.87	1029874	209319	.00	160.87
11603.92					
605.28	162.28	1050852	210342	.00	162.28
11838.41					
605.38	163.67	1071945	211369	.00	163.67
12074.17					

S/N:
PondPack Ver: Compute Time: Date:

Name.... POND1
File.... \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\ASBUILT BASIN 1 2 AND 4.PPW

LEVEL POOL ROUTING DATA

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - POND1 IN 15
Outflow HYG file = NONE STORED - POND1 OUT 15

Pond Node Data = POND1
Pond Volume Data = POND1
Pond Outlet Data = Outlet 1

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	= 599.48	ft
Starting Volume	= 0	cu.ft
Starting Outflow	= .00	cfs
Starting Infiltr.	= .00	cfs
Starting Total Qout	= .00	cfs
Time Increment	= .0500	hrs

Elevation ft	Outflow cfs	Storage cu.ft	Area sq.ft	Infilt. cfs	Q Total cfs	2S/t + O cfs
605.48	165.05	1093128	212397	.00	165.05	12310.92
605.58	166.42	1114414	213428	.00	166.42	12548.80
605.68	167.78	1135817	214462	.00	167.78	12787.97
605.78	169.13	1157309	215498	.00	169.13	13028.12
605.88	170.47	1178919	216537	.00	170.47	13269.57
605.98	171.79	1200620	217578	.00	171.79	13512.01
606.08	173.11	1222415	218390	.00	173.11	13755.50
606.18	174.42	1244300	219145	.00	174.42	13999.97
606.28	175.71	1266247	219901	.00	175.71	14245.12
606.38	177.00	1288283	220659	.00	177.00	14491.25

606.48	178.28	1310381	221418	.00	178.28	14738.07
606.50	178.53	1314815	221570	.00	178.53	14787.59

S/N:
PondPack Ver: Compute Time: Date:

SUMMARY FOR HYDROGRAPH ADDITION
at Node: POND1 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 20	ONSITE1		ONSITE1	15
ADDLINK 10	OFFSITE1		OFFSITE1	15
ADDLINK 30	OFFSITE2		OFFSITE2	15

INFLOWS TO: POND1 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ONSITE1	15	1051818	12.1500	245.42
	OFFSITE1	15	436060	12.1000	122.22
	OFFSITE2	15	395369	12.2000	85.65

TOTAL FLOW INTO: POND1 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	POND1 IN	15	1883248	12.1500	440.41

PondPack Ver: Compute Time: Date:

TOTAL NODE INFLOW...
HYG file =
HYG ID = POND1 IN
HYG Tag = 15

Peak Discharge =	440.41 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	1883248 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6500	.00	.00	.00	.01 .02
3.9000	.04	.06	.09	.12 .16
4.1500	.19	.23	.28	.32 .36
4.4000	.41	.46	.50	.55 .60
4.6500	.65	.70	.75	.81 .86
4.9000	.91	.97	1.03	1.09 1.15
5.1500	1.21	1.28	1.35	1.41 1.48
5.4000	1.55	1.62	1.69	1.76 1.83
5.6500	1.91	1.98	2.05	2.13 2.20
5.9000	2.28	2.35	2.43	2.50 2.58
6.1500	2.66	2.74	2.82	2.89 2.97
6.4000	3.05	3.13	3.21	3.29 3.38
6.6500	3.46	3.54	3.62	3.70 3.79
6.9000	3.87	3.95	4.04	4.12 4.21

7.1500	4.29	4.38	4.46	4.55
4.64				
7.4000	4.72	4.81	4.90	4.98
5.07				
7.6500	5.16	5.25	5.33	5.42
5.51				
7.9000	5.60	5.69	5.78	5.87
5.96				
8.1500	6.06	6.18	6.30	6.44
6.59				
8.4000	6.76	6.94	7.13	7.33
7.54				
8.6500	7.75	7.97	8.20	8.43
8.66				
8.9000	8.90	9.15	9.40	9.65
9.89				
9.1500	10.14	10.37	10.59	10.78
10.96				
9.4000	11.13	11.28	11.41	11.54
11.68				
9.6500	11.82	11.98	12.17	12.39
12.64				
9.9000	12.93	13.24	13.58	13.94
14.33				
10.1500	14.73	15.17	15.63	16.11
16.62				
10.4000	17.17	17.74	18.32	18.93
19.57				
10.6500	20.23	20.95	21.70	22.51
23.38				
10.9000	24.29	25.25	26.25	27.30
28.42				
11.1500	29.64	30.99	32.49	34.18
36.07				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.4000	38.10	40.28	42.74	46.02	50.96
11.6500	59.21	71.94	92.36	122.16	162.60
11.9000	214.49	278.18	343.60	398.22	432.46
12.1500	440.41	420.64	384.90	342.27	297.95
12.4000	255.83	219.58	188.71	163.27	142.37
12.6500	125.28	110.87	98.79	88.57	80.17
12.9000	73.35	67.52	62.59	58.44	54.93
13.1500	51.85	49.15	46.74	44.59	42.71
13.4000	41.00	39.45	38.08	36.85	35.70
13.6500	34.65	33.65	32.72	31.86	31.04
13.9000	30.27	29.52	28.81	28.11	27.44
14.1500	26.81	26.21	25.67	25.17	24.73
14.4000	24.32	23.96	23.63	23.32	23.04
14.6500	22.76	22.50	22.25	22.00	21.76
14.9000	21.53	21.29	21.06	20.83	20.60
15.1500	20.38	20.15	19.93	19.70	19.48
15.4000	19.25	19.03	18.81	18.58	18.36
15.6500	18.13	17.91	17.68	17.46	17.24
15.9000	17.01	16.79	16.56	16.34	16.12
16.1500	15.91	15.71	15.52	15.36	15.20

16.4000	15.06	14.94	14.82	14.71
14.61				
16.6500	14.52	14.42	14.33	14.25
14.16				
16.9000	14.07	13.99	13.91	13.83
13.75				
17.1500	13.66	13.58	13.50	13.42
13.34				
17.4000	13.26	13.18	13.10	13.02
12.94				
17.6500	12.86	12.78	12.70	12.62
12.54				
17.9000	12.46	12.38	12.30	12.22
12.14				
18.1500	12.06	11.98	11.90	11.82
11.74				
18.4000	11.66	11.58	11.50	11.42
11.33				
18.6500	11.25	11.17	11.09	11.01
10.93				
18.9000	10.85	10.77	10.69	10.61
10.53				
19.1500	10.45	10.37	10.29	10.21
10.12				
19.4000	10.04	9.96	9.88	9.80
9.72				
19.6500	9.64	9.56	9.48	9.40
9.32				
19.9000	9.24	9.15	9.07	8.99
8.91				
20.1500	8.84	8.77	8.71	8.65
8.60				
20.4000	8.56	8.52	8.49	8.46
8.44				
20.6500	8.41	8.39	8.37	8.35
8.33				
20.9000	8.31	8.30	8.28	8.26
8.25				
21.1500	8.23	8.21	8.20	8.18
8.16				
21.4000	8.15	8.13	8.12	8.10
8.08				
21.6500	8.07	8.05	8.04	8.02
8.00				
21.9000	7.99	7.97	7.96	7.94
7.92				
22.1500	7.91	7.89	7.88	7.86
7.84				
22.4000	7.83	7.81	7.80	7.78
7.76				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.6500	7.75	7.73	7.72	7.70
7.68				
22.9000	7.67	7.65	7.64	7.62
7.60				
23.1500	7.59	7.57	7.56	7.54
7.52				
23.4000	7.51	7.49	7.48	7.46
7.44				
23.6500	7.43	7.41	7.39	7.38
7.36				
23.9000	7.35	7.33	7.29	7.18
6.92				
24.1500	6.41	5.71	4.90	4.06
3.29				
24.4000	2.61	2.03	1.57	1.21
.95				
24.6500	.74	.57	.44	.35
.27				
24.9000	.21	.16	.12	.10
.07				
25.1500	.06	.04	.03	.02
.02				
25.4000	.01	.01	.01	.00
.00				
25.6500	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: POND1 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 20	ONSITE1		ONSITE1	25
ADDLINK 10	OFFSITE1		OFFSITE1	25
ADDLINK 30	OFFSITE2		OFFSITE2	25

INFLOWS TO: POND1 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ONSITE1	25	1177074	12.1500	273.32
	OFFSITE1	25	487984	12.1000	135.95
	OFFSITE2	25	445336	12.2000	96.12

TOTAL FLOW INTO: POND1 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs

POND1 IN 25 2110394 12.1500 491.03

S/N:
PondPack Ver: Compute Time: Date:

TOTAL NODE INFLOW...
HYG file =
HYG ID = POND1 IN
HYG Tag = 25

Peak Discharge =	491.03 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	2110394 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.4000	.00	.00	.01	.02 .04
3.6500	.06	.09	.12	.16 .20
3.9000	.25	.30	.34	.39 .44
4.1500	.50	.55	.60	.65 .71
4.4000	.76	.82	.88	.94 1.00
4.6500	1.06	1.13	1.20	1.27 1.34
4.9000	1.41	1.48	1.56	1.63 1.71
5.1500	1.79	1.86	1.94	2.02 2.10
5.4000	2.18	2.27	2.35	2.43 2.51
5.6500	2.60	2.68	2.77	2.85 2.94
5.9000	3.03	3.11	3.20	3.29 3.38
6.1500	3.46	3.55	3.64	3.73 3.82
6.4000	3.91	4.01	4.10	4.19 4.28
6.6500	4.37	4.47	4.56	4.65 4.75

6.9000	4.84	4.94	5.03	5.13
5.22				
7.1500	5.32	5.42	5.51	5.61
5.71				
7.4000	5.80	5.90	6.00	6.10
6.19				
7.6500	6.29	6.39	6.49	6.59
6.69				
7.9000	6.79	6.89	6.99	7.09
7.20				
8.1500	7.31	7.44	7.58	7.74
7.91				
8.4000	8.10	8.31	8.53	8.76
9.00				
8.6500	9.24	9.50	9.76	10.02
10.29				
8.9000	10.57	10.85	11.13	11.42
11.70				
9.1500	11.98	12.24	12.48	12.71
12.91				
9.4000	13.09	13.26	13.40	13.55
13.69				
9.6500	13.85	14.02	14.23	14.48
14.77				
9.9000	15.09	15.45	15.83	16.24
16.67				
10.1500	17.13	17.62	18.14	18.69
19.28				
10.4000	19.89	20.53	21.20	21.89
22.60				
10.6500	23.36	24.16	25.02	25.92
26.90				
10.9000	27.94	29.02	30.15	31.33
32.59				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.1500	33.96	35.48	37.17	39.08	41.20
11.4000	43.48	45.94	48.70	52.39	57.94
11.6500	67.23	81.56	104.49	137.90	183.12
11.9000	241.01	311.88	384.48	444.93	482.62
12.1500	491.03	468.69	428.65	381.00	331.52
12.4000	284.54	244.13	209.72	181.38	158.10
12.6500	139.07	123.03	109.58	98.21	88.87
12.9000	81.29	74.81	69.32	64.71	60.81
13.1500	57.38	54.39	51.71	49.32	47.24
13.4000	45.34	43.62	42.10	40.73	39.47
13.6500	38.30	37.20	36.16	35.21	34.31
13.9000	33.45	32.62	31.83	31.06	30.32
14.1500	29.62	28.96	28.36	27.81	27.32
14.4000	26.87	26.47	26.10	25.76	25.44
14.6500	25.14	24.85	24.57	24.30	24.03
14.9000	23.77	23.51	23.26	23.00	22.75
15.1500	22.50	22.25	22.00	21.76	21.51
15.4000	21.26	21.01	20.76	20.52	20.27
15.6500	20.02	19.77	19.52	19.28	19.03
15.9000	18.78	18.53	18.28	18.04	17.80

16.1500	17.56	17.34	17.14	16.95	16.78
16.4000	16.63	16.49	16.36	16.24	16.13
16.6500	16.02	15.92	15.82	15.72	15.63
16.9000	15.53	15.44	15.35	15.26	15.17
17.1500	15.08	14.99	14.90	14.81	14.72
17.4000	14.63	14.55	14.46	14.37	14.28
17.6500	14.19	14.10	14.01	13.92	13.84
17.9000	13.75	13.66	13.57	13.48	13.39
18.1500	13.30	13.22	13.13	13.04	12.95
18.4000	12.86	12.77	12.68	12.59	12.50
18.6500	12.42	12.33	12.24	12.15	12.06
18.9000	11.97	11.88	11.79	11.70	11.61
19.1500	11.52	11.44	11.35	11.26	11.17
19.4000	11.08	10.99	10.90	10.81	10.72
19.6500	10.63	10.54	10.45	10.37	10.28
19.9000	10.19	10.10	10.01	9.92	9.83
20.1500	9.75	9.67	9.60	9.54	9.49
20.4000	9.44	9.40	9.36	9.33	9.30
20.6500	9.28	9.25	9.23	9.21	9.19
20.9000	9.17	9.15	9.13	9.11	9.09
21.1500	9.07	9.06	9.04	9.02	9.00
21.4000	8.98	8.97	8.95	8.93	8.91
21.6500	8.90	8.88	8.86	8.84	8.83
21.9000	8.81	8.79	8.77	8.76	8.74
22.1500	8.72	8.70	8.68	8.67	8.65

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.4000	8.63	8.61	8.60	8.58
8.56				
22.6500	8.54	8.53	8.51	8.49
8.47				
22.9000	8.45	8.44	8.42	8.40
8.38				
23.1500	8.37	8.35	8.33	8.31
8.29				
23.4000	8.28	8.26	8.24	8.22
8.21				
23.6500	8.19	8.17	8.15	8.14
8.12				
23.9000	8.10	8.08	8.04	7.91
7.62				
24.1500	7.07	6.29	5.40	4.48
3.62				
24.4000	2.88	2.24	1.73	1.34
1.04				
24.6500	.81	.63	.49	.38
.30				
24.9000	.23	.18	.14	.11
.08				
25.1500	.06	.05	.04	.03
.02				
25.4000	.01	.01	.01	.00
.00				
25.6500	.00	.00		

SUMMARY FOR HYDROGRAPH ADDITION
at Node: POND1 IN

HYG Directory: \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\

Upstream Link ID	Upstream Node ID	HYG file	HYG ID	HYG tag
ADDLINK 20	ONSITE1		ONSITE1	100
ADDLINK 10	OFFSITE1		OFFSITE1	100
ADDLINK 30	OFFSITE2		OFFSITE2	100

INFLOWS TO: POND1 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs
	ONSITE1	100	1505099	12.1500	345.52
	OFFSITE1	100	623963	12.1000	171.48
	OFFSITE2	100	576773	12.2000	123.29

TOTAL FLOW INTO: POND1 IN

HYG file	HYG ID	HYG tag	Volume cu.ft	Peak Time hrs	Peak Flow cfs

POND1 IN 100 2705836 12.1500 622.12

S/N:
PondPack Ver: Compute Time: Date:

TOTAL NODE INFLOW...
HYG file =
HYG ID = POND1 IN
HYG Tag = 100

Peak Discharge =	622.12 cfs
Time to Peak =	12.1500 hrs
HYG Volume =	2705836 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
2.8000	.00	.00	.00	.01
3.0500	.05	.09	.13	.17
3.3000	.29	.35	.41	.48
3.5500	.62	.69	.76	.83
3.8000	.97	1.05	1.13	1.20
4.0500	1.36	1.45	1.53	1.62
4.3000	1.80	1.89	1.98	2.08
4.5500	2.27	2.37	2.47	2.57
4.8000	2.77	2.88	2.98	3.09
5.0500	3.30	3.40	3.51	3.62
5.3000	3.84	3.95	4.06	4.17
5.5500	4.39	4.50	4.62	4.73
5.8000	4.96	5.07	5.19	5.30
6.0500	5.54	5.65	5.77	5.89

6.3000	6.13	6.25	6.36	6.48
6.60				
6.5500	6.73	6.85	6.97	7.09
7.21				
6.8000	7.33	7.45	7.58	7.70
7.82				
7.0500	7.95	8.07	8.19	8.32
8.44				
7.3000	8.56	8.69	8.81	8.94
9.06				
7.5500	9.19	9.31	9.44	9.56
9.69				
7.8000	9.82	9.94	10.07	10.19
10.32				
8.0500	10.45	10.58	10.73	10.89
11.08				
8.3000	11.29	11.52	11.78	12.06
12.35				
8.5500	12.66	12.98	13.31	13.65
14.00				
8.8000	14.35	14.72	15.08	15.45
15.83				
9.0500	16.21	16.58	16.94	17.29
17.61				
9.3000	17.89	18.15	18.37	18.58
18.76				
9.5500	18.93	19.10	19.29	19.51
19.77				
9.8000	20.09	20.45	20.87	21.33
21.83				
10.0500	22.36	22.93	23.53	24.17
24.85				
10.3000	25.57	26.32	27.13	27.96
28.83				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.5500	29.72	30.65	31.64	32.68	33.78
10.8000	34.96	36.23	37.57	38.96	40.42
11.0500	41.95	43.58	45.34	47.30	49.47
11.3000	51.93	54.66	57.61	60.76	64.31
11.5500	69.06	76.21	88.19	106.65	136.10
11.8000	178.86	236.45	309.87	399.31	490.46
12.0500	565.96	612.51	622.12	593.08	541.88
12.3000	481.23	418.40	358.84	307.66	264.10
12.5500	228.24	198.81	174.75	154.49	137.51
12.8000	123.16	111.38	101.81	93.64	86.73
13.0500	80.93	76.01	71.70	67.94	64.56
13.3000	61.57	58.95	56.56	54.41	52.50
13.5500	50.79	49.21	47.74	46.36	45.07
13.8000	43.88	42.75	41.68	40.64	39.66
14.0500	38.70	37.77	36.89	36.07	35.32
14.3000	34.64	34.02	33.46	32.96	32.50
14.5500	32.08	31.68	31.30	30.94	30.59
14.8000	30.25	29.91	29.59	29.27	28.95
15.0500	28.63	28.31	28.00	27.69	27.38
15.3000	27.07	26.76	26.45	26.14	25.83

15.5500	25.52	25.21	24.90	24.59
24.29				
15.8000	23.98	23.67	23.36	23.05
22.74				
16.0500	22.43	22.13	21.84	21.56
21.31				
16.3000	21.08	20.86	20.67	20.50
20.34				
16.5500	20.19	20.05	19.92	19.79
19.67				
16.8000	19.54	19.43	19.31	19.19
19.08				
17.0500	18.97	18.85	18.74	18.63
18.52				
17.3000	18.41	18.30	18.19	18.08
17.96				
17.5500	17.85	17.74	17.63	17.52
17.41				
17.8000	17.30	17.19	17.08	16.97
16.86				
18.0500	16.75	16.64	16.53	16.42
16.31				
18.3000	16.20	16.09	15.98	15.86
15.75				
18.5500	15.64	15.53	15.42	15.31
15.20				
18.8000	15.09	14.98	14.87	14.76
14.65				
19.0500	14.54	14.42	14.31	14.20
14.09				
19.3000	13.98	13.87	13.76	13.65
13.54				
19.5500	13.42	13.31	13.20	13.09
12.98				
19.8000	12.87	12.76	12.65	12.54
12.43				
20.0500	12.32	12.21	12.11	12.01
11.92				
20.3000	11.85	11.78	11.72	11.67
11.62				
20.5500	11.59	11.55	11.52	11.49
11.46				
20.8000	11.43	11.41	11.38	11.36
11.33				
21.0500	11.31	11.29	11.26	11.24
11.22				
21.3000	11.20	11.17	11.15	11.13
11.11				
21.5500	11.09	11.06	11.04	11.02
11.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
21.8000	10.98	10.95	10.93	10.91
10.89				
22.0500	10.87	10.84	10.82	10.80
10.78				
22.3000	10.75	10.73	10.71	10.69
10.67				
22.5500	10.64	10.62	10.60	10.58
10.56				
22.8000	10.53	10.51	10.49	10.47
10.45				
23.0500	10.42	10.40	10.38	10.36
10.34				
23.3000	10.31	10.29	10.27	10.25
10.22				
23.5500	10.20	10.18	10.16	10.14
10.11				
23.8000	10.09	10.07	10.05	10.03
9.97				
24.0500	9.82	9.46	8.77	7.81
6.71				
24.3000	5.56	4.50	3.57	2.79
2.15				
24.5500	1.66	1.29	1.01	.78
.61				
24.8000	.47	.37	.29	.22
.17				
25.0500	.13	.10	.08	.06
.04				
25.3000	.03	.02	.02	.01
.01				
25.5500	.00	.00	.00	.00

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - POND1 IN 15
Outflow HYG file = NONE STORED - POND1 OUT 15

Pond Node Data = POND1
Pond Volume Data = POND1
Pond Outlet Data = Outlet 1

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	599.48 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	440.41 cfs	at	12.1500 hrs
Peak Outflow	=	134.18 cfs	at	12.6000 hrs
Peak Elevation	=	603.45 ft		
Peak Storage	=	681887 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	1883248
- Infiltration	=	0
- HYG Vol OUT	=	1883215
- Retained Vol	=	27
Unrouted Vol	=	-6 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = POND1 OUT
HYG Tag = 15

Peak Discharge =	134.18 cfs
Time to Peak =	12.6000 hrs
HYG Volume =	1883215 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6500	.00	.00	.00	.00
3.9000	.00	.00	.00	.00
4.1500	.01	.01	.02	.02
4.4000	.03	.04	.05	.06
4.6500	.08	.09	.10	.11
4.9000	.13	.15	.16	.18
5.1500	.21	.23	.25	.27
5.4000	.31	.33	.35	.37
5.6500	.42	.45	.48	.50
5.9000	.56	.59	.62	.65
6.1500	.72	.75	.79	.82
6.4000	.90	.93	.97	1.01
6.6500	1.09	1.13	1.17	1.22
6.9000	1.30	1.35	1.39	1.45

				1.53

7.1500	1.62	1.70	1.78	1.87
1.95				
7.4000	2.04	2.12	2.20	2.29
2.37				
7.6500	2.46	2.54	2.62	2.71
2.79				
7.9000	2.88	2.96	3.05	3.13
3.22				
8.1500	3.31	3.39	3.48	3.57
3.66				
8.4000	3.75	3.85	3.95	4.05
4.18				
8.6500	4.32	4.46	4.60	4.75
4.90				
8.9000	5.05	5.21	5.37	5.53
5.70				
9.1500	5.87	6.04	6.21	6.39
6.56				
9.4000	6.74	6.92	7.09	7.26
7.44				
9.6500	7.64	7.83	8.03	8.22
8.42				
9.9000	8.62	8.83	9.04	9.26
9.48				
10.1500	9.71	9.95	10.20	10.46
10.74				
10.4000	11.02	11.32	11.65	12.01
12.39				
10.6500	12.77	13.18	13.60	14.04
14.50				
10.9000	14.98	15.48	16.02	16.63
17.26				
11.1500	17.93	18.63	19.37	20.16
21.01				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.4000	21.98	23.03	24.15	25.38	26.81
11.6500	28.64	31.03	34.45	39.46	46.88
11.9000	57.63	72.79	85.96	93.48	101.15
12.1500	108.40	114.83	120.21	124.53	127.86
12.4000	130.32	132.06	133.21	133.89	134.18
12.6500	134.18	133.92	133.47	132.84	132.06
12.9000	131.17	130.18	129.11	127.97	126.77
13.1500	125.52	124.22	122.89	121.51	120.11
13.4000	118.68	117.21	115.73	114.23	112.71
13.6500	111.16	109.60	108.03	106.45	104.84
13.9000	103.22	101.58	99.94	98.27	96.59
14.1500	94.91	93.21	91.49	89.77	88.04
14.4000	86.29	84.55	82.81	78.42	73.85
14.6500	69.66	65.83	62.36	59.16	56.28
14.9000	53.61	51.15	48.92	46.84	44.90
15.1500	43.16	41.53	39.99	38.55	37.25
15.4000	36.03	34.88	33.79	32.76	31.81
15.6500	30.93	30.10	29.30	28.55	27.82
15.9000	27.13	26.47	25.87	25.29	24.74
16.1500	24.21	23.70	23.21	22.74	22.29

16.4000	21.85	21.43	21.04	20.67
20.33				
16.6500	20.01	19.70	19.40	19.11
18.83				
16.9000	18.56	18.31	18.06	17.83
17.60				
17.1500	17.38	17.17	16.96	16.76
16.57				
17.4000	16.39	16.21	16.04	15.87
15.72				
17.6500	15.58	15.43	15.30	15.16
15.03				
17.9000	14.90	14.77	14.64	14.52
14.40				
18.1500	14.28	14.16	14.05	13.94
13.82				
18.4000	13.71	13.61	13.50	13.39
13.29				
18.6500	13.19	13.09	12.98	12.88
12.79				
18.9000	12.69	12.59	12.50	12.40
12.31				
19.1500	12.21	12.12	12.03	11.93
11.84				
19.4000	11.75	11.66	11.57	11.48
11.39				
19.6500	11.31	11.24	11.16	11.08
11.00				
19.9000	10.92	10.84	10.76	10.68
10.60				
20.1500	10.52	10.44	10.36	10.29
10.21				
20.4000	10.14	10.06	9.99	9.92
9.85				
20.6500	9.79	9.72	9.66	9.60
9.54				
20.9000	9.49	9.43	9.38	9.33
9.28				
21.1500	9.23	9.19	9.14	9.10
9.05				
21.4000	9.01	8.97	8.93	8.90
8.86				
21.6500	8.82	8.79	8.75	8.72
8.69				
21.9000	8.66	8.62	8.59	8.56
8.54				
22.1500	8.51	8.48	8.45	8.42
8.40				
22.4000	8.37	8.35	8.32	8.30
8.27				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.6500	8.25	8.23	8.20	8.18
8.16				
22.9000	8.14	8.11	8.09	8.07
8.05				
23.1500	8.03	8.01	7.99	7.97
7.95				
23.4000	7.93	7.91	7.89	7.87
7.85				
23.6500	7.83	7.81	7.79	7.77
7.76				
23.9000	7.74	7.72	7.70	7.68
7.65				
24.1500	7.60	7.53	7.43	7.31
7.17				
24.4000	7.00	6.82	6.62	6.41
6.20				
24.6500	5.99	5.78	5.58	5.37
5.17				
24.9000	4.98	4.79	4.61	4.43
4.26				
25.1500	4.10	3.96	3.84	3.72
3.61				
25.4000	3.50	3.39	3.28	3.18
3.09				
25.6500	2.99	2.90	2.81	2.72
2.64				
25.9000	2.56	2.48	2.40	2.33
2.26				
26.1500	2.19	2.12	2.06	1.99
1.93				
26.4000	1.87	1.82	1.76	1.71
1.65				
26.6500	1.60	1.55	1.51	1.46
1.42				
26.9000	1.39	1.37	1.35	1.32
1.30				
27.1500	1.28	1.26	1.24	1.21
1.19				
27.4000	1.17	1.15	1.13	1.11
1.10				

27.6500	1.08	1.06	1.04	1.02
1.00				
27.9000	.99	.97	.95	.94
.92				
28.1500	.91	.89	.88	.86
.85				
28.4000	.83	.82	.80	.79
.78				
28.6500	.76	.75	.74	.72
.71				
28.9000	.70	.69	.68	.66
.65				
29.1500	.64	.63	.62	.61
.60				
29.4000	.59	.58	.57	.56
.55				
29.6500	.54	.53	.52	.51
.50				
29.9000	.50	.49	.48	.47
.46				
30.1500	.46	.45	.44	.43
.42				
30.4000	.42	.41	.40	.40
.39				
30.6500	.38	.38	.37	.36
.36				
30.9000	.35	.35	.34	.33
.33				
31.1500	.32	.32	.31	.31
.30				
31.4000	.30	.29	.29	.28
.28				
31.6500	.27	.27	.26	.26
.25				
31.9000	.25	.24	.24	.24
.23				
32.1500	.23	.22	.22	.22
.21				
32.4000	.21	.21	.20	.20
.20				
32.6500	.19	.19	.19	.18
.18				
32.9000	.18	.17	.17	.17
.16				
33.1500	.16	.16	.16	.15
.15				
33.4000	.15	.15	.14	.14
.14				
33.6500	.14	.13	.13	.13
.13				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.9000	.13	.12	.12	.12 .12
34.1500	.11	.11	.11	.11 .11
34.4000	.11	.10	.10	.10 .10
34.6500	.10	.10	.09	.09 .09
34.9000	.09	.09	.09	.08 .08
35.1500	.08	.08	.08	.08 .08
35.4000	.07	.07	.07	.07 .07
35.6500	.07	.07	.07	.07 .06
35.9000	.06	.06	.06	.06 .06
36.1500	.06	.06	.06	.05 .05
36.4000	.05	.05	.05	.05 .05
36.6500	.05	.05	.05	.05 .05
36.9000	.04	.04	.04	.04 .04
37.1500	.04	.04	.04	.04 .04
37.4000	.04	.04	.04	.04 .04
37.6500	.03	.03	.03	.03 .03
37.9000	.03	.03	.03	.03 .03
38.1500	.03	.03	.03	.03 .03
38.4000	.03	.03	.03	.03 .02
38.6500	.02	.02	.02	.02 .02

38.9000	.02	.02	.02	.02
39.1500	.02	.02	.02	.02
39.4000	.02	.02	.02	.02
39.6500	.02	.02	.02	.02
39.9000	.02	.02	.02	.02
40.1500	.01	.01	.01	.01
40.4000	.01	.01	.01	.01
40.6500	.01	.01	.01	.01
40.9000	.01	.01	.01	.01
41.1500	.01	.01	.01	.01
41.4000	.01	.01	.01	.01
41.6500	.01	.01	.01	.01
41.9000	.01	.01	.01	.01
42.1500	.01	.01	.01	.01
42.4000	.01	.01	.01	.01
42.6500	.01	.01	.01	.01
42.9000	.01	.01	.01	.01
43.1500	.01	.01	.01	.00
43.4000	.00	.00	.00	.00
43.6500	.00	.00	.00	.00
43.9000	.00	.00	.00	.00
44.1500	.00	.00	.00	.00
44.4000	.00	.00	.00	.00
44.6500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - POND1 IN 25
Outflow HYG file = NONE STORED - POND1 OUT 25

Pond Node Data = POND1
Pond Volume Data = POND1
Pond Outlet Data = Outlet 1

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	599.48 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	491.03 cfs	at	12.1500 hrs
Peak Outflow	=	142.14 cfs	at	12.6500 hrs
Peak Elevation	=	603.93 ft		
Peak Storage	=	776107 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	2110394
- Infiltration	=	0
- HYG Vol OUT	=	2110362
- Retained Vol	=	27
Unrouted Vol	=	-5 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = POND1 OUT
HYG Tag = 25

Peak Discharge =	142.14 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	2110362 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.4000	.00	.00	.00	.00
3.6500	.00	.00	.00	.01
3.9000	.01	.02	.02	.03
4.1500	.04	.05	.06	.07
4.4000	.09	.10	.12	.13
4.6500	.16	.18	.19	.21
4.9000	.25	.27	.29	.31
5.1500	.36	.38	.41	.44
5.4000	.49	.52	.55	.58
5.6500	.65	.68	.72	.75
5.9000	.83	.87	.91	.95
6.1500	1.03	1.07	1.11	1.16
6.4000	1.25	1.29	1.34	1.39
6.6500	1.54	1.63	1.71	1.80

1.20 1.45 1.89

6.9000	1.98	2.07	2.16	2.25	2.34
7.1500	2.43	2.52	2.61	2.70	2.79
7.4000	2.88	2.98	3.07	3.16	3.25
7.6500	3.34	3.43	3.53	3.62	3.71
7.9000	3.81	3.90	3.99	4.10	4.22
8.1500	4.34	4.46	4.58	4.70	4.82
8.4000	4.95	5.08	5.21	5.34	5.48
8.6500	5.62	5.77	5.92	6.08	6.24
8.9000	6.40	6.57	6.75	6.92	7.11
9.1500	7.29	7.50	7.72	7.94	8.17
9.4000	8.39	8.61	8.83	9.04	9.25
9.6500	9.46	9.67	9.87	10.08	10.29
9.9000	10.50	10.72	10.95	11.18	11.43
10.1500	11.71	12.00	12.30	12.62	12.95
10.4000	13.29	13.65	14.02	14.41	14.81
10.6500	15.23	15.67	16.16	16.68	17.23
10.9000	17.81	18.41	19.04	19.70	20.39

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.1500	21.14	21.96	22.83	23.76	24.76
11.4000	25.83	27.01	28.33	29.76	31.40
11.6500	33.49	36.27	40.22	46.05	54.66
11.9000	67.07	83.16	90.46	98.47	106.60
12.1500	114.29	121.10	126.82	131.42	134.98
12.4000	137.64	139.55	140.84	141.64	142.04
12.6500	142.14	141.98	141.61	141.05	140.35
12.9000	139.54	138.62	137.61	136.54	135.40
13.1500	134.21	132.97	131.69	130.38	129.03
13.4000	127.65	126.24	124.81	123.36	121.88
13.6500	120.39	118.88	117.35	115.81	114.26
13.9000	112.69	111.10	109.50	107.89	106.28
14.1500	104.64	102.99	101.32	99.65	97.97
14.4000	96.27	94.57	92.87	91.15	89.43
14.6500	87.72	85.99	84.26	82.54	77.74
14.9000	73.29	69.21	65.48	62.11	58.99
15.1500	56.18	53.57	51.18	49.00	46.96
15.4000	45.06	43.35	41.75	40.24	38.82
15.6500	37.53	36.33	35.19	34.11	33.09
15.9000	32.13	31.26	30.43	29.64	28.88

16.1500	28.15	27.46	26.80	26.18
25.62				
16.4000	25.07	24.56	24.06	23.59
23.14				
16.6500	22.71	22.30	21.91	21.54
21.18				
16.9000	20.85	20.54	20.25	19.97
19.71				
17.1500	19.45	19.20	18.96	18.73
18.50				
17.4000	18.29	18.08	17.88	17.68
17.49				
17.6500	17.31	17.13	16.96	16.79
16.62				
17.9000	16.46	16.31	16.16	16.01
15.87				
18.1500	15.74	15.61	15.48	15.36
15.24				
18.4000	15.12	15.00	14.88	14.76
14.65				
18.6500	14.54	14.43	14.31	14.21
14.10				
18.9000	13.99	13.88	13.78	13.67
13.57				
19.1500	13.47	13.36	13.26	13.16
13.06				
19.4000	12.96	12.86	12.76	12.66
12.57				
19.6500	12.47	12.37	12.27	12.18
12.08				
19.9000	11.99	11.89	11.80	11.70
11.61				
20.1500	11.51	11.42	11.34	11.25
11.17				
20.4000	11.10	11.02	10.94	10.87
10.80				
20.6500	10.73	10.66	10.60	10.53
10.47				
20.9000	10.41	10.35	10.30	10.24
10.19				
21.1500	10.14	10.09	10.04	10.00
9.95				
21.4000	9.91	9.86	9.82	9.78
9.74				
21.6500	9.70	9.67	9.63	9.59
9.56				
21.9000	9.53	9.49	9.46	9.43
9.40				
22.1500	9.37	9.33	9.31	9.28
9.25				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.4000	9.22	9.19	9.17	9.14
9.11				
22.6500	9.09	9.06	9.04	9.01
8.99				
22.9000	8.96	8.94	8.92	8.89
8.87				
23.1500	8.85	8.82	8.80	8.78
8.76				
23.4000	8.74	8.71	8.69	8.67
8.65				
23.6500	8.63	8.61	8.59	8.57
8.55				
23.9000	8.53	8.51	8.49	8.46
8.43				
24.1500	8.38	8.30	8.19	8.04
7.86				
24.4000	7.65	7.41	7.20	6.97
6.75				
24.6500	6.52	6.29	6.06	5.84
5.63				
24.9000	5.42	5.21	5.01	4.82
4.63				
25.1500	4.46	4.28	4.12	3.97
3.85				
25.4000	3.73	3.62	3.51	3.40
3.29				
25.6500	3.19	3.09	3.00	2.91
2.82				
25.9000	2.73	2.65	2.57	2.49
2.41				
26.1500	2.34	2.27	2.20	2.13
2.06				
26.4000	2.00	1.94	1.88	1.82
1.76				
26.6500	1.71	1.66	1.61	1.56
1.51				
26.9000	1.46	1.42	1.40	1.37
1.35				
27.1500	1.33	1.30	1.28	1.26
1.24				

27.4000	1.22	1.20	1.18	1.16
1.14				
27.6500	1.12	1.10	1.08	1.06
1.04				
27.9000	1.02	1.01	.99	.97
.96				
28.1500	.94	.92	.91	.89
.88				
28.4000	.86	.85	.83	.82
.80				
28.6500	.79	.78	.76	.75
.74				
28.9000	.73	.71	.70	.69
.68				
29.1500	.67	.65	.64	.63
.62				
29.4000	.61	.60	.59	.58
.57				
29.6500	.56	.55	.54	.53
.52				
29.9000	.51	.51	.50	.49
.48				
30.1500	.47	.46	.46	.45
.44				
30.4000	.43	.43	.42	.41
.40				
30.6500	.40	.39	.38	.38
.37				
30.9000	.36	.36	.35	.35
.34				
31.1500	.33	.33	.32	.32
.31				
31.4000	.31	.30	.30	.29
.29				
31.6500	.28	.28	.27	.27
.26				
31.9000	.26	.25	.25	.25
.24				
32.1500	.24	.23	.23	.23
.22				
32.4000	.22	.21	.21	.21
.20				
32.6500	.20	.20	.19	.19
.19				
32.9000	.18	.18	.18	.17
.17				
33.1500	.17	.17	.16	.16
.16				
33.4000	.15	.15	.15	.15
.14				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.6500	.14	.14	.14	.13
33.9000	.13	.13	.13	.12
34.1500	.12	.12	.12	.11
34.4000	.11	.11	.11	.10
34.6500	.10	.10	.10	.10
34.9000	.09	.09	.09	.09
35.1500	.08	.08	.08	.08
35.4000	.08	.08	.07	.07
35.6500	.07	.07	.07	.07
35.9000	.07	.06	.06	.06
36.1500	.06	.06	.06	.06
36.4000	.05	.05	.05	.05
36.6500	.05	.05	.05	.05
36.9000	.05	.05	.04	.04
37.1500	.04	.04	.04	.04
37.4000	.04	.04	.04	.04
37.6500	.04	.04	.03	.03
37.9000	.03	.03	.03	.03
38.1500	.03	.03	.03	.03
38.4000	.03	.03	.03	.03

38.6500	.03	.02	.02	.02
38.9000	.02	.02	.02	.02
39.1500	.02	.02	.02	.02
39.4000	.02	.02	.02	.02
39.6500	.02	.02	.02	.02
39.9000	.02	.02	.02	.02
40.1500	.02	.01	.01	.01
40.4000	.01	.01	.01	.01
40.6500	.01	.01	.01	.01
40.9000	.01	.01	.01	.01
41.1500	.01	.01	.01	.01
41.4000	.01	.01	.01	.01
41.6500	.01	.01	.01	.01
41.9000	.01	.01	.01	.01
42.1500	.01	.01	.01	.01
42.4000	.01	.01	.01	.01
42.6500	.01	.01	.01	.01
42.9000	.01	.01	.01	.01
43.1500	.01	.01	.01	.01
43.4000	.00	.00	.00	.00
43.6500	.00	.00	.00	.00
43.9000	.00	.00	.00	.00
44.1500	.00	.00	.00	.00
44.4000	.00	.00	.00	.00
44.6500	.00	.00	.00	.00

LEVEL POOL ROUTING SUMMARY

HYG Dir = \\2serverprs\PondPack\Elmer-jobs\Dierberg Tract\
Inflow HYG file = NONE STORED - POND1 IN 100
Outflow HYG file = NONE STORED - POND1 OUT 100

Pond Node Data = POND1
Pond Volume Data = POND1
Pond Outlet Data = Outlet 1

No Infiltration

INITIAL CONDITIONS

Starting WS Elev	=	599.48 ft
Starting Volume	=	0 cu.ft
Starting Outflow	=	.00 cfs
Starting Infiltr.	=	.00 cfs
Starting Total Qout	=	.00 cfs
Time Increment	=	.0500 hrs

INFLOW/OUTFLOW HYDROGRAPH SUMMARY

Peak Inflow	=	622.12 cfs	at	12.1500 hrs
Peak Outflow	=	160.71 cfs	at	12.7000 hrs
Peak Elevation	=	605.17 ft		
Peak Storage	=	1027384 cu.ft		

MASS BALANCE (cu.ft)

+ Initial Vol	=	0
+ HYG Vol IN	=	2705836
- Infiltration	=	0
- HYG Vol OUT	=	2705805
- Retained Vol	=	27
Unrouted Vol	=	-3 cu.ft (.000% of Inflow Volume)

POND ROUTED TOTAL OUTFLOW HYG...
HYG file =
HYG ID = POND1 OUT
HYG Tag = 100

Peak Discharge =	160.71 cfs
Time to Peak =	12.7000 hrs
HYG Volume =	2705805 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
2.8000	.00	.00	.00	.00
3.0500	.00	.00	.00	.01
3.3000	.01	.02	.03	.03
3.5500	.05	.06	.07	.08
3.8000	.11	.13	.14	.16
4.0500	.20	.22	.24	.26
4.3000	.31	.34	.37	.39
4.5500	.45	.49	.52	.55
4.8000	.63	.66	.70	.74
5.0500	.82	.87	.91	.96
5.3000	1.05	1.10	1.15	1.20
5.5500	1.30	1.36	1.41	1.50
5.8000	1.71	1.81	1.91	2.01
6.0500	2.22	2.32	2.43	2.53

2.64				

6.3000	2.74	2.85	2.95	3.06	3.17
6.5500	3.28	3.38	3.49	3.60	3.71
6.8000	3.82	3.93	4.04	4.18	4.32
7.0500	4.46	4.60	4.74	4.88	5.02
7.3000	5.15	5.29	5.43	5.56	5.70
7.5500	5.83	5.97	6.10	6.23	6.37
7.8000	6.50	6.63	6.77	6.90	7.03
8.0500	7.16	7.29	7.43	7.59	7.74
8.3000	7.90	8.06	8.23	8.40	8.57
8.5500	8.75	8.94	9.13	9.33	9.54
8.8000	9.75	9.97	10.20	10.43	10.67
9.0500	10.92	11.17	11.43	11.73	12.02
9.3000	12.32	12.61	12.90	13.19	13.47
9.5500	13.75	14.02	14.29	14.55	14.82
9.8000	15.08	15.35	15.62	15.90	16.22
10.0500	16.56	16.90	17.26	17.63	18.02
10.3000	18.42	18.85	19.29	19.76	20.25

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.5500	20.76	21.32	21.91	22.54	23.19
10.8000	23.87	24.58	25.33	26.11	26.98
11.0500	27.89	28.86	29.87	30.93	32.06
11.3000	33.32	34.68	36.14	37.72	39.45
11.5500	41.40	43.63	46.44	50.23	55.66
11.8000	63.66	75.40	85.71	92.86	101.27
12.0500	110.38	119.58	128.27	135.95	142.40
12.3000	147.60	151.67	154.75	157.01	158.61
12.5500	159.68	160.34	160.66	160.71	160.53
12.8000	160.16	159.64	158.99	158.23	157.39
13.0500	156.47	155.48	154.44	153.35	152.21
13.3000	151.03	149.82	148.57	147.30	146.00
13.5500	144.68	143.33	141.96	140.57	139.16
13.8000	137.74	136.30	134.84	133.37	131.88
14.0500	130.38	128.86	127.33	125.79	124.24
14.3000	122.67	121.10	119.51	117.92	116.32
14.5500	114.72	113.10	111.49	109.87	108.24
14.8000	106.62	104.98	103.34	101.70	100.05
15.0500	98.39	96.73	95.07	93.40	91.72
15.3000	90.05	88.37	86.68	85.01	83.31

15.5500	80.02	75.49	71.34	67.51	64.05
15.8000	60.87	57.96	55.30	52.83	50.57
16.0500	48.49	46.54	44.72	43.08	41.53
16.3000	40.08	38.72	37.48	36.33	35.24
16.5500	34.22	33.26	32.36	31.54	30.78
16.8000	30.05	29.37	28.72	28.11	27.53
17.0500	26.98	26.46	25.99	25.54	25.12
17.3000	24.72	24.33	23.96	23.61	23.27
17.5500	22.94	22.63	22.33	22.04	21.76
17.8000	21.49	21.24	20.99	20.76	20.54
18.0500	20.33	20.12	19.92	19.73	19.54
18.3000	19.35	19.17	19.00	18.82	18.65
18.5500	18.49	18.32	18.16	18.00	17.85
18.8000	17.70	17.55	17.40	17.25	17.11
19.0500	16.97	16.83	16.69	16.55	16.41
19.3000	16.28	16.15	16.01	15.89	15.77
19.5500	15.65	15.53	15.42	15.30	15.18
19.8000	15.07	14.95	14.83	14.72	14.60
20.0500	14.49	14.37	14.26	14.14	14.03
20.3000	13.92	13.81	13.71	13.60	13.50
20.5500	13.40	13.31	13.22	13.13	13.04
20.8000	12.96	12.88	12.80	12.73	12.66
21.0500	12.59	12.52	12.46	12.40	12.34
21.3000	12.28	12.22	12.17	12.11	12.06
21.5500	12.01	11.96	11.92	11.87	11.83

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
21.8000	11.78	11.74	11.70	11.66	11.62
22.0500	11.58	11.54	11.51	11.47	11.44
22.3000	11.40	11.37	11.34	11.31	11.28
22.5500	11.25	11.22	11.20	11.17	11.14
22.8000	11.11	11.09	11.06	11.03	11.01
23.0500	10.98	10.95	10.93	10.90	10.88
23.3000	10.85	10.83	10.80	10.78	10.75
23.5500	10.73	10.70	10.68	10.65	10.63
23.8000	10.60	10.58	10.56	10.53	10.51
24.0500	10.48	10.44	10.38	10.28	10.14
24.3000	9.96	9.73	9.47	9.18	8.87
24.5500	8.55	8.23	7.90	7.58	7.28
24.8000	7.02	6.76	6.50	6.26	6.02
25.0500	5.79	5.57	5.35	5.14	4.94
25.3000	4.75	4.57	4.39	4.22	4.05
25.5500	3.92	3.80	3.68	3.57	3.46
25.8000	3.35	3.25	3.15	3.05	2.96
26.0500	2.87	2.78	2.70	2.61	2.53
26.3000	2.45	2.38	2.31	2.24	2.17
26.5500	2.10	2.04	1.97	1.91	1.85

26.8000	1.80	1.74	1.69	1.64	1.59
27.0500	1.54	1.49	1.44	1.41	1.39
27.3000	1.36	1.34	1.32	1.29	1.27
27.5500	1.25	1.23	1.21	1.19	1.17
27.8000	1.15	1.13	1.11	1.09	1.07
28.0500	1.05	1.03	1.02	1.00	.98
28.3000	.97	.95	.93	.92	.90
28.5500	.89	.87	.86	.84	.83
28.8000	.81	.80	.79	.77	.76
29.0500	.75	.73	.72	.71	.70
29.3000	.68	.67	.66	.65	.64
29.5500	.63	.62	.61	.60	.59
29.8000	.58	.57	.56	.55	.54
30.0500	.53	.52	.51	.50	.49
30.3000	.48	.48	.47	.46	.45
30.5500	.44	.44	.43	.42	.42
30.8000	.41	.40	.39	.39	.38
31.0500	.37	.37	.36	.36	.35
31.3000	.34	.34	.33	.33	.32
31.5500	.32	.31	.30	.30	.29
31.8000	.29	.28	.28	.27	.27
32.0500	.27	.26	.26	.25	.25
32.3000	.24	.24	.24	.23	.23
32.5500	.22	.22	.22	.21	.21
32.8000	.21	.20	.20	.19	.19

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.0500	.19	.18	.18	.18 .18
33.3000	.17	.17	.17	.16 .16
33.5500	.16	.16	.15	.15 .15
33.8000	.15	.14	.14	.14 .14
34.0500	.13	.13	.13	.13 .12
34.3000	.12	.12	.12	.12 .11
34.5500	.11	.11	.11	.11 .10
34.8000	.10	.10	.10	.10 .10
35.0500	.09	.09	.09	.09 .09
35.3000	.09	.09	.08	.08 .08
35.5500	.08	.08	.08	.08 .07
35.8000	.07	.07	.07	.07 .07
36.0500	.07	.07	.06	.06 .06
36.3000	.06	.06	.06	.06 .06
36.5500	.06	.06	.05	.05 .05
36.8000	.05	.05	.05	.05 .05
37.0500	.05	.05	.05	.05 .04
37.3000	.04	.04	.04	.04 .04
37.5500	.04	.04	.04	.04 .04
37.8000	.04	.04	.04	.03 .03

38.0500	.03	.03	.03	.03
38.3000	.03	.03	.03	.03
38.5500	.03	.03	.03	.03
38.8000	.03	.03	.03	.02
39.0500	.02	.02	.02	.02
39.3000	.02	.02	.02	.02
39.5500	.02	.02	.02	.02
39.8000	.02	.02	.02	.02
40.0500	.02	.02	.02	.02
40.3000	.02	.02	.01	.01
40.5500	.01	.01	.01	.01
40.8000	.01	.01	.01	.01
41.0500	.01	.01	.01	.01
41.3000	.01	.01	.01	.01
41.5500	.01	.01	.01	.01
41.8000	.01	.01	.01	.01
42.0500	.01	.01	.01	.01
42.3000	.01	.01	.01	.01
42.5500	.01	.01	.01	.01
42.8000	.01	.01	.01	.01
43.0500	.01	.01	.01	.01
43.3000	.01	.01	.01	.01
43.5500	.01	.00	.00	.00
43.8000	.00	.00	.00	.00
44.0500	.00	.00	.00	.00

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
44.3000	.00	.00	.00	.00	.00
44.5500	.00	.00	.00	.00	.00
44.8000	.00	.00	.00	.00	.00
45.0500	.00	.00			

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 1
HYG Tag = 15

Peak Discharge = 134.18 cfs
Time to Peak = 12.6000 hrs
HYG Volume = 1883215 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.9000	.00	.00	.00	.00 .01
4.1500	.01	.01	.02	.02 .03
4.4000	.03	.04	.05	.06 .07
4.6500	.08	.09	.10	.11 .12
4.9000	.13	.15	.16	.18 .19
5.1500	.21	.23	.25	.27 .29
5.4000	.31	.33	.35	.37 .40
5.6500	.42	.45	.48	.50 .53
5.9000	.56	.59	.62	.65 .69
6.1500	.72	.75	.79	.82 .86
6.4000	.90	.93	.97	1.01 1.05
6.6500	1.09	1.13	1.17	1.22 1.26
6.9000	1.30	1.35	1.39	1.45 1.53
7.1500	1.62	1.70	1.78	1.87 1.95
7.4000	2.04	2.12	2.20	2.29 2.37

7.6500	2.46	2.54	2.62	2.71
2.79				
7.9000	2.88	2.96	3.05	3.13
3.22				
8.1500	3.31	3.39	3.48	3.57
3.66				
8.4000	3.75	3.85	3.95	4.05
4.18				
8.6500	4.32	4.46	4.60	4.75
4.90				
8.9000	5.05	5.21	5.37	5.53
5.70				
9.1500	5.87	6.04	6.21	6.39
6.56				
9.4000	6.74	6.92	7.09	7.26
7.44				
9.6500	7.64	7.83	8.03	8.22
8.42				
9.9000	8.62	8.83	9.04	9.26
9.48				
10.1500	9.71	9.95	10.20	10.46
10.74				
10.4000	11.02	11.32	11.65	12.01
12.39				
10.6500	12.77	13.18	13.60	14.04
14.50				
10.9000	14.98	15.48	16.02	16.63
17.26				
11.1500	17.93	18.63	19.37	20.16
21.01				
11.4000	21.98	23.03	24.15	25.38
26.81				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.6500	28.64	31.03	34.45	39.46	46.88
11.9000	57.63	72.79	85.96	93.48	101.15
12.1500	108.40	114.83	120.21	124.53	127.86
12.4000	130.32	132.06	133.21	133.89	134.18
12.6500	134.18	133.92	133.47	132.84	132.06
12.9000	131.17	130.18	129.11	127.97	126.77
13.1500	125.52	124.22	122.89	121.51	120.11
13.4000	118.68	117.21	115.73	114.23	112.71
13.6500	111.16	109.60	108.03	106.45	104.84
13.9000	103.22	101.58	99.94	98.27	96.59
14.1500	94.91	93.21	91.49	89.77	88.04
14.4000	86.29	84.55	82.81	78.42	73.85
14.6500	69.66	65.83	62.36	59.16	56.28
14.9000	53.61	51.15	48.92	46.84	44.90
15.1500	43.16	41.53	39.99	38.55	37.25
15.4000	36.03	34.88	33.79	32.76	31.81
15.6500	30.93	30.10	29.30	28.55	27.82
15.9000	27.13	26.47	25.87	25.29	24.74
16.1500	24.21	23.70	23.21	22.74	22.29
16.4000	21.85	21.43	21.04	20.67	20.33

16.6500	20.01	19.70	19.40	19.11
18.83				
16.9000	18.56	18.31	18.06	17.83
17.60				
17.1500	17.38	17.17	16.96	16.76
16.57				
17.4000	16.39	16.21	16.04	15.87
15.72				
17.6500	15.58	15.43	15.30	15.16
15.03				
17.9000	14.90	14.77	14.64	14.52
14.40				
18.1500	14.28	14.16	14.05	13.94
13.82				
18.4000	13.71	13.61	13.50	13.39
13.29				
18.6500	13.19	13.09	12.98	12.88
12.79				
18.9000	12.69	12.59	12.50	12.40
12.31				
19.1500	12.21	12.12	12.03	11.93
11.84				
19.4000	11.75	11.66	11.57	11.48
11.39				
19.6500	11.31	11.24	11.16	11.08
11.00				
19.9000	10.92	10.84	10.76	10.68
10.60				
20.1500	10.52	10.44	10.36	10.29
10.21				
20.4000	10.14	10.06	9.99	9.92
9.85				
20.6500	9.79	9.72	9.66	9.60
9.54				
20.9000	9.49	9.43	9.38	9.33
9.28				
21.1500	9.23	9.19	9.14	9.10
9.05				
21.4000	9.01	8.97	8.93	8.90
8.86				
21.6500	8.82	8.79	8.75	8.72
8.69				
21.9000	8.66	8.62	8.59	8.56
8.54				
22.1500	8.51	8.48	8.45	8.42
8.40				
22.4000	8.37	8.35	8.32	8.30
8.27				
22.6500	8.25	8.23	8.20	8.18
8.16				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
22.9000	8.14	8.11	8.09	8.07
8.05				
23.1500	8.03	8.01	7.99	7.97
7.95				
23.4000	7.93	7.91	7.89	7.87
7.85				
23.6500	7.83	7.81	7.79	7.77
7.76				
23.9000	7.74	7.72	7.70	7.68
7.65				
24.1500	7.60	7.53	7.43	7.31
7.17				
24.4000	7.00	6.82	6.62	6.41
6.20				
24.6500	5.99	5.78	5.58	5.37
5.17				
24.9000	4.98	4.79	4.61	4.43
4.26				
25.1500	4.10	3.96	3.84	3.72
3.61				
25.4000	3.50	3.39	3.28	3.18
3.09				
25.6500	2.99	2.90	2.81	2.72
2.64				
25.9000	2.56	2.48	2.40	2.33
2.26				
26.1500	2.19	2.12	2.06	1.99
1.93				
26.4000	1.87	1.82	1.76	1.71
1.65				
26.6500	1.60	1.55	1.51	1.46
1.42				
26.9000	1.39	1.37	1.35	1.32
1.30				
27.1500	1.28	1.26	1.24	1.21
1.19				
27.4000	1.17	1.15	1.13	1.11
1.10				
27.6500	1.08	1.06	1.04	1.02
1.00				

27.9000	.99	.97	.95	.94
.92				
28.1500	.91	.89	.88	.86
.85				
28.4000	.83	.82	.80	.79
.78				
28.6500	.76	.75	.74	.72
.71				
28.9000	.70	.69	.68	.66
.65				
29.1500	.64	.63	.62	.61
.60				
29.4000	.59	.58	.57	.56
.55				
29.6500	.54	.53	.52	.51
.50				
29.9000	.50	.49	.48	.47
.46				
30.1500	.46	.45	.44	.43
.42				
30.4000	.42	.41	.40	.40
.39				
30.6500	.38	.38	.37	.36
.36				
30.9000	.35	.35	.34	.33
.33				
31.1500	.32	.32	.31	.31
.30				
31.4000	.30	.29	.29	.28
.28				
31.6500	.27	.27	.26	.26
.25				
31.9000	.25	.24	.24	.24
.23				
32.1500	.23	.22	.22	.22
.21				
32.4000	.21	.21	.20	.20
.20				
32.6500	.19	.19	.19	.18
.18				
32.9000	.18	.17	.17	.17
.16				
33.1500	.16	.16	.16	.15
.15				
33.4000	.15	.15	.14	.14
.14				
33.6500	.14	.13	.13	.13
.13				
33.9000	.13	.12	.12	.12
.12				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
34.1500	.11	.11	.11	.11 .11
34.4000	.11	.10	.10	.10 .10
34.6500	.10	.10	.09	.09 .09
34.9000	.09	.09	.09	.08 .08
35.1500	.08	.08	.08	.08 .08
35.4000	.07	.07	.07	.07 .07
35.6500	.07	.07	.07	.07 .06
35.9000	.06	.06	.06	.06 .06
36.1500	.06	.06	.06	.05 .05
36.4000	.05	.05	.05	.05 .05
36.6500	.05	.05	.05	.05 .05
36.9000	.04	.04	.04	.04 .04
37.1500	.04	.04	.04	.04 .04
37.4000	.04	.04	.04	.04 .04
37.6500	.03	.03	.03	.03 .03
37.9000	.03	.03	.03	.03 .03
38.1500	.03	.03	.03	.03 .03
38.4000	.03	.03	.03	.03 .02
38.6500	.02	.02	.02	.02 .02
38.9000	.02	.02	.02	.02 .02

39.1500	.02	.02	.02	.02
39.4000	.02	.02	.02	.02
39.6500	.02	.02	.02	.02
39.9000	.02	.02	.02	.02
40.1500	.01	.01	.01	.01
40.4000	.01	.01	.01	.01
40.6500	.01	.01	.01	.01
40.9000	.01	.01	.01	.01
41.1500	.01	.01	.01	.01
41.4000	.01	.01	.01	.01
41.6500	.01	.01	.01	.01
41.9000	.01	.01	.01	.01
42.1500	.01	.01	.01	.01
42.4000	.01	.01	.01	.01
42.6500	.01	.01	.01	.01
42.9000	.01	.01	.01	.01
43.1500	.01	.01	.01	.00
43.4000	.00	.00	.00	.00
43.6500	.00	.00	.00	.00
43.9000	.00	.00	.00	.00
44.1500	.00	.00	.00	.00
44.4000	.00	.00	.00	.00
44.6500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 1
HYG Tag = 25

Peak Discharge = 142.14 cfs
Time to Peak = 12.6500 hrs
HYG Volume = 2110362 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.6000	.00	.00	.00	.00 .01
3.8500	.01	.01	.02	.02 .03
4.1000	.04	.04	.05	.06 .07
4.3500	.08	.09	.10	.12 .13
4.6000	.14	.16	.18	.19 .21
4.8500	.23	.25	.27	.29 .31
5.1000	.34	.36	.38	.41 .44
5.3500	.46	.49	.52	.55 .58
5.6000	.62	.65	.68	.72 .75
5.8500	.79	.83	.87	.91 .95
6.1000	.99	1.03	1.07	1.11 1.16
6.3500	1.20	1.25	1.29	1.34 1.39
6.6000	1.45	1.54	1.63	1.71 1.80
6.8500	1.89	1.98	2.07	2.16 2.25
7.1000	2.34	2.43	2.52	2.61 2.70

7.3500	2.79	2.88	2.98	3.07
3.16				
7.6000	3.25	3.34	3.43	3.53
3.62				
7.8500	3.71	3.81	3.90	3.99
4.10				
8.1000	4.22	4.34	4.46	4.58
4.70				
8.3500	4.82	4.95	5.08	5.21
5.34				
8.6000	5.48	5.62	5.77	5.92
6.08				
8.8500	6.24	6.40	6.57	6.75
6.92				
9.1000	7.11	7.29	7.50	7.72
7.94				
9.3500	8.17	8.39	8.61	8.83
9.04				
9.6000	9.25	9.46	9.67	9.87
10.08				
9.8500	10.29	10.50	10.72	10.95
11.18				
10.1000	11.43	11.71	12.00	12.30
12.62				
10.3500	12.95	13.29	13.65	14.02
14.41				
10.6000	14.81	15.23	15.67	16.16
16.68				
10.8500	17.23	17.81	18.41	19.04
19.70				
11.1000	20.39	21.14	21.96	22.83
23.76				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
11.3500	24.76	25.83	27.01	28.33	29.76
11.6000	31.40	33.49	36.27	40.22	46.05
11.8500	54.66	67.07	83.16	90.46	98.47
12.1000	106.60	114.29	121.10	126.82	131.42
12.3500	134.98	137.64	139.55	140.84	141.64
12.6000	142.04	142.14	141.98	141.61	141.05
12.8500	140.35	139.54	138.62	137.61	136.54
13.1000	135.40	134.21	132.97	131.69	130.38
13.3500	129.03	127.65	126.24	124.81	123.36
13.6000	121.88	120.39	118.88	117.35	115.81
13.8500	114.26	112.69	111.10	109.50	107.89
14.1000	106.28	104.64	102.99	101.32	99.65
14.3500	97.97	96.27	94.57	92.87	91.15
14.6000	89.43	87.72	85.99	84.26	82.54
14.8500	77.74	73.29	69.21	65.48	62.11
15.1000	58.99	56.18	53.57	51.18	49.00
15.3500	46.96	45.06	43.35	41.75	40.24
15.6000	38.82	37.53	36.33	35.19	34.11
15.8500	33.09	32.13	31.26	30.43	29.64
16.1000	28.88	28.15	27.46	26.80	26.18

16.3500	25.62	25.07	24.56	24.06
23.59				
16.6000	23.14	22.71	22.30	21.91
21.54				
16.8500	21.18	20.85	20.54	20.25
19.97				
17.1000	19.71	19.45	19.20	18.96
18.73				
17.3500	18.50	18.29	18.08	17.88
17.68				
17.6000	17.49	17.31	17.13	16.96
16.79				
17.8500	16.62	16.46	16.31	16.16
16.01				
18.1000	15.87	15.74	15.61	15.48
15.36				
18.3500	15.24	15.12	15.00	14.88
14.76				
18.6000	14.65	14.54	14.43	14.31
14.21				
18.8500	14.10	13.99	13.88	13.78
13.67				
19.1000	13.57	13.47	13.36	13.26
13.16				
19.3500	13.06	12.96	12.86	12.76
12.66				
19.6000	12.57	12.47	12.37	12.27
12.18				
19.8500	12.08	11.99	11.89	11.80
11.70				
20.1000	11.61	11.51	11.42	11.34
11.25				
20.3500	11.17	11.10	11.02	10.94
10.87				
20.6000	10.80	10.73	10.66	10.60
10.53				
20.8500	10.47	10.41	10.35	10.30
10.24				
21.1000	10.19	10.14	10.09	10.04
10.00				
21.3500	9.95	9.91	9.86	9.82
9.78				
21.6000	9.74	9.70	9.67	9.63
9.59				
21.8500	9.56	9.53	9.49	9.46
9.43				
22.1000	9.40	9.37	9.33	9.31
9.28				
22.3500	9.25	9.22	9.19	9.17
9.14				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.6000	9.11	9.09	9.06	9.04	9.01
22.8500	8.99	8.96	8.94	8.92	8.89
23.1000	8.87	8.85	8.82	8.80	8.78
23.3500	8.76	8.74	8.71	8.69	8.67
23.6000	8.65	8.63	8.61	8.59	8.57
23.8500	8.55	8.53	8.51	8.49	8.46
24.1000	8.43	8.38	8.30	8.19	8.04
24.3500	7.86	7.65	7.41	7.20	6.97
24.6000	6.75	6.52	6.29	6.06	5.84
24.8500	5.63	5.42	5.21	5.01	4.82
25.1000	4.63	4.46	4.28	4.12	3.97
25.3500	3.85	3.73	3.62	3.51	3.40
25.6000	3.29	3.19	3.09	3.00	2.91
25.8500	2.82	2.73	2.65	2.57	2.49
26.1000	2.41	2.34	2.27	2.20	2.13
26.3500	2.06	2.00	1.94	1.88	1.82
26.6000	1.76	1.71	1.66	1.61	1.56
26.8500	1.51	1.46	1.42	1.40	1.37
27.1000	1.35	1.33	1.30	1.28	1.26
27.3500	1.24	1.22	1.20	1.18	1.16

27.6000	1.14	1.12	1.10	1.08	1.06
27.8500	1.04	1.02	1.01	.99	.97
28.1000	.96	.94	.92	.91	.89
28.3500	.88	.86	.85	.83	.82
28.6000	.80	.79	.78	.76	.75
28.8500	.74	.73	.71	.70	.69
29.1000	.68	.67	.65	.64	.63
29.3500	.62	.61	.60	.59	.58
29.6000	.57	.56	.55	.54	.53
29.8500	.52	.51	.51	.50	.49
30.1000	.48	.47	.46	.46	.45
30.3500	.44	.43	.43	.42	.41
30.6000	.40	.40	.39	.38	.38
30.8500	.37	.36	.36	.35	.35
31.1000	.34	.33	.33	.32	.32
31.3500	.31	.31	.30	.30	.29
31.6000	.29	.28	.28	.27	.27
31.8500	.26	.26	.25	.25	.25
32.1000	.24	.24	.23	.23	.23
32.3500	.22	.22	.21	.21	.21
32.6000	.20	.20	.20	.19	.19
32.8500	.19	.18	.18	.18	.17
33.1000	.17	.17	.17	.16	.16
33.3500	.16	.15	.15	.15	.15
33.6000	.14	.14	.14	.14	.13

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.8500	.13	.13	.13	.13 .12
34.1000	.12	.12	.12	.12 .11
34.3500	.11	.11	.11	.11 .10
34.6000	.10	.10	.10	.10 .10
34.8500	.09	.09	.09	.09 .09
35.1000	.09	.08	.08	.08 .08
35.3500	.08	.08	.08	.07 .07
35.6000	.07	.07	.07	.07 .07
35.8500	.07	.07	.06	.06 .06
36.1000	.06	.06	.06	.06 .06
36.3500	.06	.05	.05	.05 .05
36.6000	.05	.05	.05	.05 .05
36.8500	.05	.05	.05	.04 .04
37.1000	.04	.04	.04	.04 .04
37.3500	.04	.04	.04	.04 .04
37.6000	.04	.04	.04	.03 .03
37.8500	.03	.03	.03	.03 .03
38.1000	.03	.03	.03	.03 .03
38.3500	.03	.03	.03	.03 .03
38.6000	.03	.03	.02	.02 .02

38.8500	.02	.02	.02	.02	.02
39.1000	.02	.02	.02	.02	.02
39.3500	.02	.02	.02	.02	.02
39.6000	.02	.02	.02	.02	.02
39.8500	.02	.02	.02	.02	.02
40.1000	.02	.02	.01	.01	.01
40.3500	.01	.01	.01	.01	.01
40.6000	.01	.01	.01	.01	.01
40.8500	.01	.01	.01	.01	.01
41.1000	.01	.01	.01	.01	.01
41.3500	.01	.01	.01	.01	.01
41.6000	.01	.01	.01	.01	.01
41.8500	.01	.01	.01	.01	.01
42.1000	.01	.01	.01	.01	.01
42.3500	.01	.01	.01	.01	.01
42.6000	.01	.01	.01	.01	.01
42.8500	.01	.01	.01	.01	.01
43.1000	.01	.01	.01	.01	.01
43.3500	.01	.00	.00	.00	.00
43.6000	.00	.00	.00	.00	.00
43.8500	.00	.00	.00	.00	.00
44.1000	.00	.00	.00	.00	.00
44.3500	.00	.00	.00	.00	.00
44.6000	.00	.00	.00	.00	.00
44.8500	.00				

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 1
HYG Tag = 100

Peak Discharge =	160.71 cfs
Time to Peak =	12.7000 hrs
HYG Volume =	2705805 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
3.0000	.00	.00	.00	.00 .01
3.2500	.01	.01	.02	.03 .03
3.5000	.04	.05	.06	.07 .08
3.7500	.10	.11	.13	.14 .16
4.0000	.18	.20	.22	.24 .26
4.2500	.29	.31	.34	.37 .39
4.5000	.42	.45	.49	.52 .55
4.7500	.59	.63	.66	.70 .74
5.0000	.78	.82	.87	.91 .96
5.2500	1.00	1.05	1.10	1.15 1.20
5.5000	1.25	1.30	1.36	1.41 1.50
5.7500	1.60	1.71	1.81	1.91 2.01
6.0000	2.12	2.22	2.32	2.43 2.53
6.2500	2.64	2.74	2.85	2.95 3.06
6.5000	3.17	3.28	3.38	3.49 3.60

6.7500	3.71	3.82	3.93	4.04
4.18				
7.0000	4.32	4.46	4.60	4.74
4.88				
7.2500	5.02	5.15	5.29	5.43
5.56				
7.5000	5.70	5.83	5.97	6.10
6.23				
7.7500	6.37	6.50	6.63	6.77
6.90				
8.0000	7.03	7.16	7.29	7.43
7.59				
8.2500	7.74	7.90	8.06	8.23
8.40				
8.5000	8.57	8.75	8.94	9.13
9.33				
8.7500	9.54	9.75	9.97	10.20
10.43				
9.0000	10.67	10.92	11.17	11.43
11.73				
9.2500	12.02	12.32	12.61	12.90
13.19				
9.5000	13.47	13.75	14.02	14.29
14.55				
9.7500	14.82	15.08	15.35	15.62
15.90				
10.0000	16.22	16.56	16.90	17.26
17.63				
10.2500	18.02	18.42	18.85	19.29
19.76				
10.5000	20.25	20.76	21.32	21.91
22.54				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
10.7500	23.19	23.87	24.58	25.33	26.11
11.0000	26.98	27.89	28.86	29.87	30.93
11.2500	32.06	33.32	34.68	36.14	37.72
11.5000	39.45	41.40	43.63	46.44	50.23
11.7500	55.66	63.66	75.40	85.71	92.86
12.0000	101.27	110.38	119.58	128.27	135.95
12.2500	142.40	147.60	151.67	154.75	157.01
12.5000	158.61	159.68	160.34	160.66	160.71
12.7500	160.53	160.16	159.64	158.99	158.23
13.0000	157.39	156.47	155.48	154.44	153.35
13.2500	152.21	151.03	149.82	148.57	147.30
13.5000	146.00	144.68	143.33	141.96	140.57
13.7500	139.16	137.74	136.30	134.84	133.37
14.0000	131.88	130.38	128.86	127.33	125.79
14.2500	124.24	122.67	121.10	119.51	117.92
14.5000	116.32	114.72	113.10	111.49	109.87
14.7500	108.24	106.62	104.98	103.34	101.70
15.0000	100.05	98.39	96.73	95.07	93.40
15.2500	91.72	90.05	88.37	86.68	85.01
15.5000	83.31	80.02	75.49	71.34	67.51

15.7500	64.05	60.87	57.96	55.30	52.83
16.0000	50.57	48.49	46.54	44.72	43.08
16.2500	41.53	40.08	38.72	37.48	36.33
16.5000	35.24	34.22	33.26	32.36	31.54
16.7500	30.78	30.05	29.37	28.72	28.11
17.0000	27.53	26.98	26.46	25.99	25.54
17.2500	25.12	24.72	24.33	23.96	23.61
17.5000	23.27	22.94	22.63	22.33	22.04
17.7500	21.76	21.49	21.24	20.99	20.76
18.0000	20.54	20.33	20.12	19.92	19.73
18.2500	19.54	19.35	19.17	19.00	18.82
18.5000	18.65	18.49	18.32	18.16	18.00
18.7500	17.85	17.70	17.55	17.40	17.25
19.0000	17.11	16.97	16.83	16.69	16.55
19.2500	16.41	16.28	16.15	16.01	15.89
19.5000	15.77	15.65	15.53	15.42	15.30
19.7500	15.18	15.07	14.95	14.83	14.72
20.0000	14.60	14.49	14.37	14.26	14.14
20.2500	14.03	13.92	13.81	13.71	13.60
20.5000	13.50	13.40	13.31	13.22	13.13
20.7500	13.04	12.96	12.88	12.80	12.73
21.0000	12.66	12.59	12.52	12.46	12.40
21.2500	12.34	12.28	12.22	12.17	12.11
21.5000	12.06	12.01	11.96	11.92	11.87
21.7500	11.83	11.78	11.74	11.70	11.66

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
22.0000	11.62	11.58	11.54	11.51	11.47
22.2500	11.44	11.40	11.37	11.34	11.31
22.5000	11.28	11.25	11.22	11.20	11.17
22.7500	11.14	11.11	11.09	11.06	11.03
23.0000	11.01	10.98	10.95	10.93	10.90
23.2500	10.88	10.85	10.83	10.80	10.78
23.5000	10.75	10.73	10.70	10.68	10.65
23.7500	10.63	10.60	10.58	10.56	10.53
24.0000	10.51	10.48	10.44	10.38	10.28
24.2500	10.14	9.96	9.73	9.47	9.18
24.5000	8.87	8.55	8.23	7.90	7.58
24.7500	7.28	7.02	6.76	6.50	6.26
25.0000	6.02	5.79	5.57	5.35	5.14
25.2500	4.94	4.75	4.57	4.39	4.22
25.5000	4.05	3.92	3.80	3.68	3.57
25.7500	3.46	3.35	3.25	3.15	3.05
26.0000	2.96	2.87	2.78	2.70	2.61
26.2500	2.53	2.45	2.38	2.31	2.24
26.5000	2.17	2.10	2.04	1.97	1.91
26.7500	1.85	1.80	1.74	1.69	1.64

27.0000	1.59	1.54	1.49	1.44	1.41
27.2500	1.39	1.36	1.34	1.32	1.29
27.5000	1.27	1.25	1.23	1.21	1.19
27.7500	1.17	1.15	1.13	1.11	1.09
28.0000	1.07	1.05	1.03	1.02	1.00
28.2500	.98	.97	.95	.93	.92
28.5000	.90	.89	.87	.86	.84
28.7500	.83	.81	.80	.79	.77
29.0000	.76	.75	.73	.72	.71
29.2500	.70	.68	.67	.66	.65
29.5000	.64	.63	.62	.61	.60
29.7500	.59	.58	.57	.56	.55
30.0000	.54	.53	.52	.51	.50
30.2500	.49	.48	.48	.47	.46
30.5000	.45	.44	.44	.43	.42
30.7500	.42	.41	.40	.39	.39
31.0000	.38	.37	.37	.36	.36
31.2500	.35	.34	.34	.33	.33
31.5000	.32	.32	.31	.30	.30
31.7500	.29	.29	.28	.28	.27
32.0000	.27	.27	.26	.26	.25
32.2500	.25	.24	.24	.24	.23
32.5000	.23	.22	.22	.22	.21
32.7500	.21	.21	.20	.20	.19
33.0000	.19	.19	.18	.18	.18

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
33.2500	.18	.17	.17	.17 .16
33.5000	.16	.16	.16	.15 .15
33.7500	.15	.15	.14	.14 .14
34.0000	.14	.13	.13	.13 .13
34.2500	.12	.12	.12	.12 .12
34.5000	.11	.11	.11	.11 .11
34.7500	.10	.10	.10	.10 .10
35.0000	.10	.09	.09	.09 .09
35.2500	.09	.09	.09	.08 .08
35.5000	.08	.08	.08	.08 .08
35.7500	.07	.07	.07	.07 .07
36.0000	.07	.07	.07	.06 .06
36.2500	.06	.06	.06	.06 .06
36.5000	.06	.06	.06	.05 .05
36.7500	.05	.05	.05	.05 .05
37.0000	.05	.05	.05	.05 .05
37.2500	.04	.04	.04	.04 .04
37.5000	.04	.04	.04	.04 .04
37.7500	.04	.04	.04	.04 .03
38.0000	.03	.03	.03	.03 .03

38.2500	.03	.03	.03	.03
.03				
38.5000	.03	.03	.03	.03
.03				
38.7500	.03	.03	.03	.03
.02				
39.0000	.02	.02	.02	.02
.02				
39.2500	.02	.02	.02	.02
.02				
39.5000	.02	.02	.02	.02
.02				
39.7500	.02	.02	.02	.02
.02				
40.0000	.02	.02	.02	.02
.02				
40.2500	.02	.02	.02	.01
.01				
40.5000	.01	.01	.01	.01
.01				
40.7500	.01	.01	.01	.01
.01				
41.0000	.01	.01	.01	.01
.01				
41.2500	.01	.01	.01	.01
.01				
41.5000	.01	.01	.01	.01
.01				
41.7500	.01	.01	.01	.01
.01				
42.0000	.01	.01	.01	.01
.01				
42.2500	.01	.01	.01	.01
.01				
42.5000	.01	.01	.01	.01
.01				
42.7500	.01	.01	.01	.01
.01				
43.0000	.01	.01	.01	.01
.01				
43.2500	.01	.01	.01	.01
.01				
43.5000	.01	.01	.00	.00
.00				
43.7500	.00	.00	.00	.00
.00				
44.0000	.00	.00	.00	.00
.00				
44.2500	.00	.00	.00	.00
.00				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
44.5000	.00	.00	.00	.00	.00
44.7500	.00	.00	.00	.00	.00
45.0000	.00	.00	.00		

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 10
HYG Tag = 15

Peak Discharge =	77.37 cfs
Time to Peak =	12.6000 hrs
HYG Volume =	747909 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.9000	.00	.00	.00	.00	.01
9.1500	.01	.02	.02	.03	.05
9.4000	.07	.10	.15	.21	.29
9.6500	.37	.45	.54	.63	.71
9.9000	.79	.87	.95	1.03	1.11
10.1500	1.19	1.24	1.28	1.33	1.41
10.4000	1.49	1.59	1.69	1.83	1.98
10.6500	2.13	2.29	2.45	2.61	2.77
10.9000	2.94	3.13	3.37	3.63	3.89
11.1500	4.18	4.48	4.82	5.21	5.60
11.4000	5.98	6.33	6.67	7.04	7.46
11.6500	7.97	8.69	9.72	11.28	13.94
11.9000	18.17	24.85	31.48	38.75	46.66
12.1500	54.03	60.01	64.59	68.40	71.52
12.4000	73.84	75.38	76.48	77.14	77.37

12.6500	77.21	76.72	75.97	75.02
73.94				
12.9000	72.69	71.21	69.77	68.39
67.07				
13.1500	65.81	64.47	62.93	61.27
59.48				
13.4000	57.66	55.82	54.03	52.27
50.55				
13.6500	48.86	47.24	45.47	43.22
40.68				
13.9000	37.98	35.27	32.81	30.32
28.08				
14.1500	25.65	23.15	21.25	19.67
18.41				
14.4000	17.37	16.50	15.78	15.18
14.65				
14.6500	14.18	13.76	13.39	13.06
12.77				
14.9000	12.51	12.27	12.06	11.86
11.67				
15.1500	11.50	11.34	11.18	11.03
10.87				
15.4000	10.73	10.60	10.47	10.36
10.25				
15.6500	10.14	10.03	9.93	9.82
9.72				
15.9000	9.61	9.50	9.40	9.29
9.18				
16.1500	9.07	8.96	8.85	8.74
8.64				
16.4000	8.53	8.43	8.34	8.25
8.17				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
16.6500	8.09	8.01	7.94	7.87	7.80
16.9000	7.74	7.68	7.63	7.57	7.52
17.1500	7.47	7.42	7.37	7.32	7.27
17.4000	7.23	7.18	7.14	7.10	7.06
17.6500	7.01	6.96	6.89	6.82	6.75
17.9000	6.69	6.63	6.58	6.53	6.48
18.1500	6.44	6.39	6.35	6.31	6.27
18.4000	6.22	6.18	6.14	6.10	6.06
18.6500	6.02	5.98	5.94	5.90	5.86
18.9000	5.82	5.78	5.74	5.70	5.66
19.1500	5.62	5.58	5.54	5.50	5.47
19.4000	5.43	5.39	5.35	5.31	5.27
19.6500	5.24	5.20	5.16	5.11	5.07
19.9000	5.03	4.99	4.95	4.91	4.87
20.1500	4.83	4.79	4.75	4.71	4.67
20.4000	4.64	4.60	4.57	4.54	4.52
20.6500	4.49	4.47	4.46	4.44	4.43
20.9000	4.41	4.40	4.39	4.38	4.37
21.1500	4.36	4.35	4.34	4.33	4.32
21.4000	4.31	4.30	4.30	4.29	4.28

21.6500	4.27	4.26	4.26	4.25
4.24				
21.9000	4.23	4.23	4.22	4.21
4.20				
22.1500	4.20	4.19	4.18	4.17
4.16				
22.4000	4.16	4.15	4.14	4.13
4.13				
22.6500	4.12	4.11	4.10	4.09
4.09				
22.9000	4.08	4.07	4.06	4.05
4.05				
23.1500	4.04	4.03	4.02	4.02
4.01				
23.4000	4.00	3.99	3.98	3.98
3.97				
23.6500	3.96	3.95	3.94	3.94
3.93				
23.9000	3.92	3.91	3.90	3.89
3.88				
24.1500	3.85	3.80	3.71	3.56
3.36				
24.4000	3.12	2.88	2.63	2.38
2.11				
24.6500	1.87	1.66	1.49	1.33
1.14				
24.9000	.80	.59	.44	.36
.30				
25.1500	.25	.22	.19	.17
.15				
25.4000	.13	.12	.11	.09
.09				
25.6500	.08	.07	.07	.07
.06				
25.9000	.06	.06	.05	.05
.05				
26.1500	.04	.04	.04	.04
.04				
26.4000	.03	.03	.03	.03
.03				
26.6500	.03	.02	.02	.02
.02				
26.9000	.02	.02	.02	.02
.02				
27.1500	.01	.01	.01	.01
.01				
27.4000	.01	.01	.01	.01
.01				
27.6500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.9000	.01	.01	.01	.01 .01
28.1500	.00	.00	.00	.00 .00
28.4000	.00	.00	.00	.00 .00
28.6500	.00	.00	.00	.00 .00
28.9000	.00	.00	.00	.00 .00
29.1500	.00	.00	.00	.00 .00
29.4000	.00	.00	.00	.00 .00
29.6500	.00	.00		

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 10
HYG Tag = 25

Peak Discharge =	86.46 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	869335 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
8.4500	.00	.00	.00	.00	.01
8.7000	.01	.02	.02	.03	.04
8.9500	.06	.08	.13	.19	.26
9.2000	.35	.43	.53	.63	.72
9.4500	.80	.89	.97	1.05	1.12
9.7000	1.19	1.23	1.26	1.30	1.35
9.9500	1.41	1.48	1.56	1.65	1.74
10.2000	1.86	1.99	2.12	2.25	2.39
10.4500	2.52	2.66	2.80	2.95	3.11
10.7000	3.31	3.53	3.76	4.00	4.25
10.9500	4.51	4.80	5.13	5.48	5.83
11.2000	6.14	6.43	6.71	7.01	7.34
11.4500	7.70	8.12	8.60	9.17	9.86
11.7000	10.80	12.21	14.39	17.81	23.21
11.9500	29.69	36.42	44.42	52.56	59.53

12.2000	65.21	70.31	74.60	78.03
80.94				
12.4500	83.22	84.84	85.87	86.38
86.46				
12.7000	86.14	85.43	84.39	83.10
81.66				
12.9500	80.11	78.50	76.82	75.15
73.53				
13.2000	71.71	69.94	68.33	66.87
65.51				
13.4500	64.04	62.37	60.62	58.78
56.93				
13.7000	55.11	53.33	51.59	49.88
48.22				
13.9500	46.65	44.74	42.32	39.77
37.02				
14.2000	34.45	32.03	29.63	27.46
24.91				
14.4500	22.68	20.96	19.54	18.41
17.48				
14.7000	16.71	16.06	15.55	15.10
14.69				
14.9500	14.33	14.00	13.70	13.44
13.20				
15.2000	12.98	12.78	12.59	12.42
12.25				
15.4500	12.09	11.94	11.80	11.65
11.52				
15.7000	11.38	11.23	11.09	10.95
10.81				
15.9500	10.67	10.54	10.42	10.30
10.19				

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HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.2000	10.07	9.96	9.85	9.74 9.63
16.4500	9.52	9.42	9.32	9.22 9.13
16.7000	9.04	8.96	8.88	8.80 8.73
16.9500	8.66	8.59	8.53	8.47 8.41
17.2000	8.35	8.30	8.25	8.20 8.15
17.4500	8.10	8.05	8.00	7.96 7.91
17.7000	7.87	7.82	7.78	7.73 7.69
17.9500	7.64	7.60	7.55	7.51 7.46
18.2000	7.42	7.37	7.33	7.28 7.24
18.4500	7.19	7.14	7.10	7.05 7.00
18.7000	6.94	6.86	6.78	6.71 6.64
18.9500	6.58	6.52	6.47	6.41 6.36
19.2000	6.31	6.26	6.21	6.16 6.11
19.4500	6.07	6.02	5.97	5.93 5.88
19.7000	5.83	5.79	5.74	5.69 5.65
19.9500	5.60	5.56	5.52	5.47 5.43
20.2000	5.39	5.35	5.30	5.26 5.23
20.4500	5.19	5.16	5.13	5.10 5.07
20.7000	5.05	5.03	5.01	4.99 4.98
20.9500	4.96	4.95	4.94	4.93 4.91

21.2000	4.90	4.89	4.88	4.87	4.86
21.4500	4.86	4.85	4.84	4.83	4.82
21.7000	4.81	4.80	4.79	4.78	4.77
21.9500	4.77	4.76	4.75	4.74	4.73
22.2000	4.72	4.71	4.71	4.70	4.69
22.4500	4.68	4.67	4.66	4.65	4.64
22.7000	4.64	4.63	4.62	4.61	4.60
22.9500	4.59	4.58	4.57	4.56	4.55
23.2000	4.54	4.53	4.53	4.52	4.51
23.4500	4.50	4.49	4.48	4.47	4.46
23.7000	4.45	4.44	4.44	4.43	4.42
23.9500	4.41	4.40	4.39	4.37	4.32
24.2000	4.25	4.13	3.96	3.74	3.47
24.4500	3.17	2.88	2.61	2.34	2.07
24.7000	1.81	1.61	1.44	1.28	1.01
24.9500	.72	.52	.41	.33	.28
25.2000	.24	.21	.18	.16	.14
25.4500	.13	.11	.10	.09	.08
25.7000	.08	.07	.07	.06	.06
25.9500	.06	.05	.05	.05	.05
26.2000	.04	.04	.04	.04	.03
26.4500	.03	.03	.03	.03	.03
26.7000	.02	.02	.02	.02	.02
26.9500	.02	.02	.02	.02	.01
27.2000	.01	.01	.01	.01	.01

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.4500	.01	.01	.01	.01
27.7000	.01	.01	.01	.01
27.9500	.01	.01	.01	.01
28.2000	.00	.00	.00	.00
28.4500	.00	.00	.00	.00
28.7000	.00	.00	.00	.00
28.9500	.00	.00	.00	.00
29.2000	.00	.00	.00	.00
29.4500	.00	.00	.00	.00
29.7000	.00			

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 10
HYG Tag = 100

Peak Discharge =	109.60 cfs
Time to Peak =	12.6500 hrs
HYG Volume =	1197972 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
7.3500	.00	.00	.00	.00	.01
7.6000	.01	.01	.02	.02	.03
7.8500	.05	.06	.08	.13	.18
8.1000	.24	.32	.39	.45	.53
8.3500	.61	.68	.75	.82	.89
8.6000	.97	1.04	1.11	1.19	1.23
8.8500	1.27	1.31	1.38	1.45	1.53
9.1000	1.61	1.71	1.82	1.95	2.07
9.3500	2.19	2.31	2.42	2.53	2.62
9.6000	2.72	2.82	2.92	3.02	3.12
9.8500	3.24	3.35	3.47	3.61	3.76
10.1000	3.92	4.09	4.26	4.43	4.61
10.3500	4.81	5.04	5.29	5.54	5.82
10.6000	6.09	6.33	6.54	6.75	6.97
10.8500	7.20	7.44	7.70	7.99	8.32

11.1000	8.68	9.07	9.49	9.96	10.49
11.3500	11.06	11.70	12.47	13.29	14.15
11.6000	15.14	16.38	18.11	20.56	24.20
11.8500	28.90	34.17	40.97	48.95	56.95
12.1000	64.40	71.92	78.30	84.22	89.75
12.3500	94.59	98.72	103.29	106.76	108.68
12.6000	109.53	109.60	109.09	108.14	106.84
12.8500	105.26	103.48	101.78	99.97	98.15
13.1000	96.67	95.06	93.38	91.63	89.85
13.3500	87.95	85.91	83.75	81.62	79.54
13.6000	77.51	75.54	73.70	71.72	69.81
13.8500	68.12	66.61	65.19	63.64	61.95
14.1000	60.17	58.32	56.48	54.68	52.93
14.3500	51.22	49.55	47.94	46.41	44.53
14.6000	42.16	39.70	37.08	34.65	32.42
14.8500	30.17	28.19	26.17	23.96	22.32

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HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
15.1000	21.05	19.98	19.11	18.40	17.80
15.3500	17.27	16.82	16.44	16.10	15.82
15.6000	15.56	15.32	15.09	14.86	14.64
15.8500	14.43	14.22	14.02	13.83	13.64
16.1000	13.45	13.27	13.10	12.93	12.77
16.3500	12.61	12.46	12.31	12.17	12.04
16.6000	11.92	11.80	11.69	11.58	11.49
16.8500	11.39	11.29	11.19	11.11	11.02
17.1000	10.93	10.86	10.78	10.71	10.63
17.3500	10.57	10.50	10.44	10.38	10.33
17.6000	10.27	10.22	10.17	10.11	10.06
17.8500	10.00	9.95	9.89	9.83	9.78
18.1000	9.72	9.66	9.60	9.55	9.49
18.3500	9.43	9.37	9.31	9.25	9.19
18.6000	9.13	9.07	9.01	8.95	8.89
18.8500	8.83	8.77	8.71	8.65	8.59
19.1000	8.53	8.47	8.41	8.35	8.29
19.3500	8.23	8.18	8.12	8.06	8.00
19.6000	7.94	7.88	7.83	7.77	7.71
19.8500	7.65	7.59	7.53	7.47	7.41

20.1000	7.35	7.29	7.23	7.17	7.11
20.3500	7.06	6.99	6.90	6.81	6.74
20.6000	6.67	6.62	6.57	6.53	6.50
20.8500	6.47	6.45	6.42	6.40	6.39
21.1000	6.37	6.35	6.34	6.33	6.31
21.3500	6.30	6.29	6.28	6.26	6.25
21.6000	6.24	6.23	6.22	6.20	6.19
21.8500	6.18	6.17	6.16	6.15	6.13
22.1000	6.12	6.11	6.10	6.09	6.08
22.3500	6.06	6.05	6.04	6.03	6.02
22.6000	6.01	5.99	5.98	5.97	5.96
22.8500	5.95	5.94	5.92	5.91	5.90
23.1000	5.89	5.88	5.86	5.85	5.84
23.3500	5.83	5.82	5.81	5.79	5.78
23.6000	5.77	5.76	5.75	5.73	5.72
23.8500	5.71	5.70	5.69	5.68	5.66
24.1000	5.63	5.58	5.48	5.33	5.08
24.3500	4.75	4.40	3.99	3.59	3.18
24.6000	2.85	2.55	2.24	1.95	1.69
24.8500	1.51	1.34	1.13	.78	.57
25.1000	.43	.35	.29	.24	.21
25.3500	.18	.16	.14	.13	.11
25.6000	.10	.09	.08	.08	.07
25.8500	.07	.06	.06	.06	.05
26.1000	.05	.05	.05	.04	.04

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
26.3500	.04	.04	.03	.03
26.6000	.03	.03	.03	.02
26.8500	.02	.02	.02	.02
27.1000	.02	.02	.01	.01
27.3500	.01	.01	.01	.01
27.6000	.01	.01	.01	.01
27.8500	.01	.01	.01	.01
28.1000	.01	.01	.00	.00
28.3500	.00	.00	.00	.00
28.6000	.00	.00	.00	.00
28.8500	.00	.00	.00	.00
29.1000	.00	.00	.00	.00
29.3500	.00	.00	.00	.00
29.6000	.00	.00	.00	.00

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 2
HYG Tag = 15

Peak Discharge = 36.22 cfs
Time to Peak = 12.3500 hrs
HYG Volume = 273261 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
6.6500	.00	.00	.00	.01
6.9000	.02	.02	.03	.04
7.1500	.06	.07	.08	.09
7.4000	.11	.12	.13	.14
7.6500	.17	.18	.19	.20
7.9000	.23	.24	.25	.26
8.1500	.29	.30	.31	.33
8.4000	.36	.38	.40	.42
8.6500	.47	.49	.52	.54
8.9000	.59	.62	.65	.68
9.1500	.73	.76	.79	.81
9.4000	.86	.88	.90	.93
9.6500	.97	.99	1.02	1.05
9.9000	1.12	1.16	1.21	1.25
10.1500	1.35	1.41	1.47	1.53

1.08
1.30
1.59

10.4000	1.66	1.73	1.81	1.89
1.97				
10.6500	2.06	2.15	2.25	2.35
2.47				
10.9000	2.59	2.72	2.85	3.00
3.15				
11.1500	3.31	3.50	3.70	3.94
4.20				
11.4000	4.49	4.80	5.13	5.55
6.16				
11.6500	7.21	8.99	11.87	14.82
17.06				
11.9000	19.51	22.00	24.77	27.66
30.32				
12.1500	32.54	34.20	35.32	35.96
36.22				
12.4000	36.19	35.95	35.54	34.99
34.33				
12.6500	33.57	32.71	31.78	30.76
29.67				
12.9000	28.52	27.31	26.04	24.71
23.33				
13.1500	21.90	20.36	18.42	15.75
9.31				
13.4000	6.32	6.15	5.98	5.82
5.66				
13.6500	5.51	5.37	5.24	5.11
4.98				
13.9000	4.87	4.75	4.64	4.53
4.43				
14.1500	4.33	4.24	4.15	4.08
4.01				

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HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
14.4000	3.95	3.90	3.85	3.81
14.6500	3.73	3.69	3.65	3.61
14.9000	3.54	3.50	3.46	3.43
15.1500	3.36	3.32	3.28	3.25
15.4000	3.17	3.14	3.10	3.06
15.6500	2.99	2.95	2.92	2.88
15.9000	2.81	2.77	2.73	2.70
16.1500	2.63	2.59	2.56	2.54
16.4000	2.49	2.47	2.46	2.44
16.6500	2.41	2.40	2.38	2.37
16.9000	2.34	2.33	2.32	2.30
17.1500	2.28	2.27	2.25	2.24
17.4000	2.21	2.20	2.19	2.17
17.6500	2.15	2.13	2.12	2.11
17.9000	2.08	2.07	2.05	2.04
18.1500	2.02	2.00	1.99	1.98
18.4000	1.95	1.94	1.92	1.91
18.6500	1.88	1.87	1.86	1.84
18.9000	1.82	1.80	1.79	1.78
19.1500	1.75	1.74	1.72	1.71

19.4000	1.68	1.67	1.65	1.64
1.63				
19.6500	1.61	1.60	1.59	1.57
1.56				
19.9000	1.55	1.53	1.52	1.51
1.49				
20.1500	1.48	1.47	1.46	1.45
1.44				
20.4000	1.44	1.43	1.43	1.42
1.42				
20.6500	1.42	1.41	1.41	1.41
1.40				
20.9000	1.40	1.40	1.40	1.39
1.39				
21.1500	1.39	1.39	1.38	1.38
1.38				
21.4000	1.38	1.37	1.37	1.37
1.37				
21.6500	1.36	1.36	1.36	1.35
1.35				
21.9000	1.35	1.35	1.34	1.34
1.34				
22.1500	1.34	1.33	1.33	1.33
1.33				
22.4000	1.32	1.32	1.32	1.32
1.31				
22.6500	1.31	1.31	1.31	1.30
1.30				
22.9000	1.30	1.29	1.29	1.29
1.29				
23.1500	1.28	1.28	1.28	1.28
1.27				
23.4000	1.27	1.27	1.27	1.26
1.26				
23.6500	1.26	1.26	1.25	1.25
1.25				
23.9000	1.24	1.24	1.24	1.22
1.18				
24.1500	1.09	.95	.78	.61
.45				
24.4000	.33	.24	.17	.12
.09				
24.6500	.06	.05	.03	.02
.02				
24.9000	.01	.01	.01	.00
.00				
25.1500	.00			

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 2
HYG Tag = 25

Peak Discharge = 38.64 cfs
Time to Peak = 12.4000 hrs
HYG Volume = 312030 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
6.2500	.00	.00	.00	.01
6.5000	.02	.03	.04	.05
6.7500	.07	.08	.09	.10
7.0000	.13	.14	.15	.16
7.2500	.19	.20	.22	.23
7.5000	.25	.27	.28	.29
7.7500	.32	.34	.35	.36
8.0000	.39	.40	.42	.43
8.2500	.47	.49	.51	.53
8.5000	.58	.60	.63	.66
8.7500	.71	.74	.78	.81
9.0000	.87	.91	.94	.98
9.2500	1.04	1.07	1.10	1.13
9.5000	1.18	1.20	1.22	1.25
9.7500	1.31	1.34	1.38	1.43

1.01
1.15
1.27
1.48

10.0000	1.53	1.58	1.64	1.70
1.77				
10.2500	1.83	1.91	1.98	2.07
2.15				
10.5000	2.24	2.33	2.43	2.53
2.64				
10.7500	2.76	2.88	3.02	3.16
3.31				
11.0000	3.47	3.63	3.81	4.00
4.22				
11.2500	4.46	4.73	5.03	5.37
5.73				
11.5000	6.12	6.61	7.31	8.54
10.62				
11.7500	13.39	16.01	18.25	20.72
23.34				
12.0000	26.37	29.46	32.26	34.58
36.33				
12.2500	37.53	38.25	38.59	38.64
38.47				
12.5000	38.15	37.69	37.13	36.46
35.72				
12.7500	34.89	33.99	33.03	32.01
30.93				
13.0000	29.79	28.60	27.35	26.06
24.71				
13.2500	23.32	21.88	20.35	18.42
15.81				
13.5000	9.62	6.52	6.34	6.18
6.02				
13.7500	5.86	5.72	5.58	5.45
5.32				

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HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
14.0000	5.20	5.08	4.96	4.85	4.74
14.2500	4.65	4.56	4.49	4.42	4.36
14.5000	4.31	4.26	4.21	4.17	4.12
14.7500	4.08	4.04	4.00	3.96	3.91
15.0000	3.87	3.83	3.79	3.75	3.71
15.2500	3.67	3.63	3.59	3.55	3.51
15.5000	3.47	3.42	3.38	3.34	3.30
15.7500	3.26	3.22	3.18	3.14	3.09
16.0000	3.05	3.01	2.97	2.93	2.90
16.2500	2.86	2.83	2.81	2.78	2.76
16.5000	2.74	2.73	2.71	2.69	2.68
16.7500	2.66	2.65	2.63	2.62	2.60
17.0000	2.59	2.57	2.56	2.54	2.53
17.2500	2.51	2.50	2.48	2.47	2.45
17.5000	2.44	2.43	2.41	2.40	2.38
17.7500	2.37	2.35	2.34	2.32	2.31
18.0000	2.29	2.28	2.26	2.25	2.23
18.2500	2.22	2.20	2.19	2.17	2.16
18.5000	2.14	2.13	2.11	2.10	2.08
18.7500	2.07	2.05	2.04	2.02	2.01

19.0000	1.99	1.98	1.96	1.95
1.93				
19.2500	1.92	1.90	1.89	1.87
1.86				
19.5000	1.84	1.83	1.81	1.80
1.78				
19.7500	1.77	1.75	1.74	1.72
1.71				
20.0000	1.69	1.68	1.66	1.65
1.64				
20.2500	1.63	1.62	1.61	1.60
1.60				
20.5000	1.59	1.59	1.58	1.58
1.57				
20.7500	1.57	1.57	1.57	1.56
1.56				
21.0000	1.56	1.55	1.55	1.55
1.54				
21.2500	1.54	1.54	1.54	1.53
1.53				
21.5000	1.53	1.52	1.52	1.52
1.52				
21.7500	1.51	1.51	1.51	1.50
1.50				
22.0000	1.50	1.49	1.49	1.49
1.49				
22.2500	1.48	1.48	1.48	1.47
1.47				
22.5000	1.47	1.47	1.46	1.46
1.46				
22.7500	1.45	1.45	1.45	1.44
1.44				
23.0000	1.44	1.44	1.43	1.43
1.43				
23.2500	1.42	1.42	1.42	1.42
1.41				
23.5000	1.41	1.41	1.40	1.40
1.40				
23.7500	1.39	1.39	1.39	1.39
1.38				
24.0000	1.38	1.36	1.32	1.22
1.06				
24.2500	.87	.68	.50	.37
.26				
24.5000	.19	.14	.10	.07
.05				
24.7500	.04	.03	.02	.01
.01				
25.0000	.01	.00	.00	.00

S/N:
PondPack Ver: Compute Time: Date:

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 2
HYG Tag = 100

Peak Discharge =	74.18 cfs
Time to Peak =	12.3000 hrs
HYG Volume =	415166 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
5.3500	.00	.00	.00	.01
5.6000	.02	.03	.04	.05
5.8500	.08	.09	.11	.12
6.1000	.15	.17	.18	.20
6.3500	.23	.24	.26	.28
6.6000	.31	.33	.34	.36
6.8500	.39	.41	.43	.44
7.1000	.48	.50	.51	.53
7.3500	.57	.59	.60	.62
7.6000	.66	.68	.70	.72
7.8500	.75	.77	.79	.81
8.1000	.85	.87	.90	.92
8.3500	.98	1.01	1.05	1.09
8.6000	1.16	1.21	1.25	1.29
8.8500	1.38	1.43	1.48	1.53

1.34
1.58

9.1000	1.63	1.68	1.73	1.77	1.81
9.3500	1.85	1.89	1.92	1.95	1.98
9.6000	2.01	2.04	2.08	2.12	2.17
9.8500	2.23	2.29	2.36	2.43	2.51
10.1000	2.59	2.68	2.77	2.87	2.97
10.3500	3.08	3.20	3.32	3.44	3.57
10.6000	3.71	3.85	4.00	4.17	4.34
10.8500	4.53	4.73	4.94	5.16	5.39
11.1000	5.63	5.90	6.19	6.53	6.90
11.3500	7.32	7.79	8.28	8.82	9.48
11.6000	10.45	12.14	14.08	16.31	18.47
11.8500	20.85	23.47	26.67	30.17	33.59
12.1000	36.65	39.16	43.15	68.64	74.18
12.3500	67.29	58.22	50.31	44.30	40.84
12.6000	40.46	39.99	39.43	38.79	38.09
12.8500	37.33	36.52	35.66	34.75	33.79

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
13.1000	32.79	31.73	30.64	29.50	28.32
13.3500	27.10	25.84	24.54	23.21	21.85
13.6000	20.41	18.64	16.33	11.75	7.30
13.8500	7.13	6.96	6.79	6.63	6.48
14.1000	6.33	6.18	6.05	5.93	5.82
14.3500	5.72	5.64	5.56	5.49	5.43
14.6000	5.37	5.31	5.25	5.20	5.14
14.8500	5.09	5.04	4.99	4.93	4.88
15.1000	4.83	4.78	4.72	4.67	4.62
15.3500	4.57	4.51	4.46	4.41	4.36
15.6000	4.30	4.25	4.20	4.15	4.09
15.8500	4.04	3.99	3.93	3.88	3.83
16.1000	3.78	3.73	3.68	3.64	3.60
16.3500	3.57	3.54	3.51	3.49	3.46
16.6000	3.44	3.42	3.40	3.38	3.36
16.8500	3.34	3.32	3.30	3.28	3.27
17.1000	3.25	3.23	3.21	3.19	3.17
17.3500	3.15	3.13	3.12	3.10	3.08
17.6000	3.06	3.04	3.02	3.00	2.98
17.8500	2.96	2.95	2.93	2.91	2.89

18.1000	2.87	2.85	2.83	2.81	2.79
18.3500	2.78	2.76	2.74	2.72	2.70
18.6000	2.68	2.66	2.64	2.62	2.60
18.8500	2.59	2.57	2.55	2.53	2.51
19.1000	2.49	2.47	2.45	2.43	2.41
19.3500	2.39	2.38	2.36	2.34	2.32
19.6000	2.30	2.28	2.26	2.24	2.22
19.8500	2.20	2.18	2.16	2.15	2.13
20.1000	2.11	2.09	2.07	2.06	2.05
20.3500	2.04	2.03	2.02	2.01	2.01
20.6000	2.00	2.00	1.99	1.99	1.98
20.8500	1.98	1.98	1.97	1.97	1.97
21.1000	1.96	1.96	1.95	1.95	1.95
21.3500	1.94	1.94	1.94	1.93	1.93
21.6000	1.92	1.92	1.92	1.91	1.91
21.8500	1.91	1.90	1.90	1.89	1.89
22.1000	1.89	1.88	1.88	1.88	1.87
22.3500	1.87	1.86	1.86	1.86	1.85
22.6000	1.85	1.85	1.84	1.84	1.83
22.8500	1.83	1.83	1.82	1.82	1.82
23.1000	1.81	1.81	1.80	1.80	1.80
23.3500	1.79	1.79	1.79	1.78	1.78
23.6000	1.77	1.77	1.77	1.76	1.76
23.8500	1.76	1.75	1.75	1.74	1.72
24.1000	1.67	1.54	1.34	1.10	.86

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs					
24.3500	.64	.46	.33	.24	.17
24.6000	.13	.09	.07	.05	.03
24.8500	.02	.02	.01	.01	.01
25.1000	.00	.00			

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 20
HYG Tag = 15

Peak Discharge =	9.45 cfs
Time to Peak =	12.4500 hrs
HYG Volume =	90257 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
9.0000	.00	.00	.00	.01 .01
9.2500	.02	.02	.03	.03 .04
9.5000	.05	.05	.06	.07 .08
9.7500	.08	.09	.10	.11 .12
10.0000	.13	.14	.15	.17 .18
10.2500	.19	.21	.22	.24 .26
10.5000	.28	.30	.32	.34 .36
10.7500	.39	.42	.45	.48 .51
11.0000	.55	.59	.63	.67 .72
11.2500	.78	.84	.91	.99 1.08
11.5000	1.17	1.29	1.45	1.71 2.18
11.7500	2.72	3.21	4.00	4.76 5.54
12.0000	6.34	7.08	7.72	8.26 8.68
12.2500	8.99	9.20	9.34	9.42 9.45
12.5000	9.44	9.42	9.37	9.30 9.22

12.7500	9.12	9.01	8.90	8.77
8.63				
13.0000	8.48	8.32	8.15	7.98
7.79				
13.2500	7.59	7.38	7.15	6.91
6.66				
13.5000	6.39	6.09	5.77	5.43
5.05				
13.7500	4.67	4.22	3.63	3.06
2.55				
14.0000	1.77	1.69	1.65	1.61
1.58				
14.2500	1.55	1.52	1.49	1.47
1.45				
14.5000	1.43	1.42	1.40	1.39
1.37				
14.7500	1.36	1.35	1.33	1.32
1.31				
15.0000	1.29	1.28	1.27	1.25
1.24				
15.2500	1.23	1.21	1.20	1.19
1.18				
15.5000	1.16	1.15	1.14	1.12
1.11				
15.7500	1.10	1.08	1.07	1.05
1.04				
16.0000	1.03	1.01	1.00	.99
.98				
16.2500	.96	.95	.95	.94
.93				
16.5000	.92	.92	.91	.91
.90				

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HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.7500	.90	.89	.89	.88
17.0000	.87	.87	.86	.86
17.2500	.85	.84	.84	.83
17.5000	.83	.82	.82	.81
17.7500	.80	.80	.79	.79
18.0000	.78	.77	.77	.76
18.2500	.75	.75	.74	.74
18.5000	.73	.72	.72	.71
18.7500	.70	.70	.69	.69
19.0000	.68	.67	.67	.66
19.2500	.65	.65	.64	.64
19.5000	.63	.62	.62	.61
19.7500	.60	.60	.59	.59
20.0000	.58	.57	.57	.56
20.2500	.56	.55	.55	.55
20.5000	.54	.54	.54	.54
20.7500	.54	.54	.53	.53
21.0000	.53	.53	.53	.53
21.2500	.53	.53	.52	.52
21.5000	.52	.52	.52	.52

21.7500	.52	.52	.52	.51
.51				
22.0000	.51	.51	.51	.51
.51				
22.2500	.51	.51	.51	.50
.50				
22.5000	.50	.50	.50	.50
.50				
22.7500	.50	.50	.50	.50
.49				
23.0000	.49	.49	.49	.49
.49				
23.2500	.49	.49	.49	.49
.48				
23.5000	.48	.48	.48	.48
.48				
23.7500	.48	.48	.48	.48
.48				
24.0000	.47	.47	.45	.42
.38				
24.2500	.32	.25	.19	.14
.10				
24.5000	.08	.06	.04	.03
.02				
24.7500	.02	.01	.01	.01
.00				
25.0000	.00	.00	.00	.00

S/N:
PondPack Ver: Compute Time: Date:

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 20
HYG Tag = 25

Peak Discharge = 10.03 cfs
Time to Peak = 12.5000 hrs
HYG Volume = 105179 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
8.5500	.00	.00	.00	.01 .01
8.8000	.01	.02	.02	.03 .04
9.0500	.05	.05	.06	.07 .08
9.3000	.09	.10	.10	.11 .12
9.5500	.13	.14	.15	.16 .17
9.8000	.18	.19	.20	.21 .22
10.0500	.24	.25	.27	.29 .30
10.3000	.32	.34	.36	.39 .41
10.5500	.43	.46	.49	.52 .55
10.8000	.58	.62	.66	.70 .74
11.0500	.79	.84	.90	.96 1.03
11.3000	1.10	1.19	1.28	1.39 1.50
11.5500	1.64	1.84	2.16	2.62 3.02
11.8000	3.68	4.46	5.19	6.01 6.82
12.0500	7.56	8.22	8.77	9.20 9.52

12.3000	9.74	9.89	9.97	10.02
10.03				
12.5500	10.02	9.99	9.94	9.88
9.81				
12.8000	9.72	9.63	9.52	9.41
9.29				
13.0500	9.17	9.03	8.89	8.75
8.59				
13.3000	8.43	8.26	8.08	7.89
7.69				
13.5500	7.48	7.26	7.03	6.78
6.51				
13.8000	6.23	5.91	5.58	5.22
4.84				
14.0500	4.43	3.91	3.29	2.80
2.08				
14.3000	1.73	1.70	1.67	1.65
1.63				
14.5500	1.61	1.59	1.58	1.56
1.55				
14.8000	1.53	1.51	1.50	1.48
1.47				
15.0500	1.45	1.44	1.42	1.41
1.39				
15.3000	1.38	1.36	1.35	1.33
1.32				
15.5500	1.30	1.29	1.27	1.26
1.24				
15.8000	1.23	1.21	1.20	1.18
1.17				
16.0500	1.15	1.13	1.12	1.11
1.09				

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.3000	1.08	1.07	1.06	1.05
16.5500	1.04	1.03	1.03	1.02
16.8000	1.01	1.01	1.00	.99
17.0500	.98	.98	.97	.97
17.3000	.96	.95	.95	.94
17.5500	.93	.92	.92	.91
17.8000	.90	.90	.89	.88
18.0500	.87	.87	.86	.86
18.3000	.85	.84	.83	.83
18.5500	.82	.81	.81	.80
18.8000	.79	.78	.78	.77
19.0500	.76	.76	.75	.74
19.3000	.73	.73	.72	.72
19.5500	.71	.70	.69	.69
19.8000	.68	.67	.66	.66
20.0500	.65	.64	.64	.63
20.3000	.62	.62	.62	.62
20.5500	.61	.61	.61	.61
20.8000	.60	.60	.60	.60
21.0500	.60	.60	.60	.59

21.3000	.59	.59	.59	.59
.59				
21.5500	.59	.59	.59	.59
.58				
21.8000	.58	.58	.58	.58
.58				
22.0500	.58	.58	.58	.57
.57				
22.3000	.57	.57	.57	.57
.57				
22.5500	.57	.57	.56	.56
.56				
22.8000	.56	.56	.56	.56
.56				
23.0500	.56	.55	.55	.55
.55				
23.3000	.55	.55	.55	.55
.55				
23.5500	.54	.54	.54	.54
.54				
23.8000	.54	.54	.54	.54
.53				
24.0500	.53	.51	.48	.42
.36				
24.3000	.28	.22	.16	.12
.09				
24.5500	.06	.05	.03	.03
.02				
24.8000	.01	.01	.01	.01
.00				
25.0500	.00	.00	.00	

S/N:
PondPack Ver: Compute Time: Date:

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 20
HYG Tag = 100

Peak Discharge =	11.52 cfs
Time to Peak =	12.5500 hrs
HYG Volume =	145662 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
7.5000	.00	.00	.00	.01	.01
7.7500	.01	.02	.02	.03	.03
8.0000	.04	.05	.05	.06	.07
8.2500	.07	.08	.09	.09	.10
8.5000	.11	.12	.13	.14	.15
8.7500	.16	.17	.19	.20	.21
9.0000	.22	.24	.25	.26	.28
9.2500	.29	.31	.32	.33	.34
9.5000	.35	.37	.38	.39	.40
9.7500	.41	.43	.45	.47	.49
10.0000	.51	.53	.55	.58	.60
10.2500	.63	.66	.69	.73	.76
10.5000	.80	.84	.88	.92	.97
10.7500	1.01	1.07	1.12	1.18	1.25
11.0000	1.31	1.39	1.46	1.54	1.64

11.2500	1.74	1.85	1.98	2.13	2.28
11.5000	2.45	2.58	2.75	3.00	3.41
11.7500	4.04	4.69	5.40	6.21	7.04
12.0000	7.86	8.62	9.30	9.86	10.30
12.2500	10.64	10.88	11.14	11.35	11.45
12.5000	11.50	11.52	11.51	11.48	11.44
12.7500	11.37	11.28	11.16	11.02	10.93
13.0000	10.85	10.77	10.69	10.60	10.51
13.2500	10.42	10.32	10.21	10.10	9.99
13.5000	9.88	9.76	9.64	9.51	9.38
13.7500	9.24	9.09	8.94	8.79	8.63
14.0000	8.46	8.28	8.09	7.90	7.70
14.2500	7.48	7.25	7.01	6.76	6.49
14.5000	6.20	5.89	5.55	5.20	4.83
14.7500	4.44	3.95	3.38	2.94	2.50
15.0000	1.93	1.91	1.89	1.87	1.85

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)

Output Time increment = .0500 hrs

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

Time hrs					
15.2500	1.83	1.81	1.79	1.77	1.75
15.5000	1.73	1.71	1.69	1.67	1.65
15.7500	1.63	1.61	1.59	1.57	1.54
16.0000	1.52	1.50	1.48	1.46	1.45
16.2500	1.43	1.41	1.40	1.39	1.38
16.5000	1.37	1.36	1.35	1.34	1.34
16.7500	1.33	1.32	1.31	1.31	1.30
17.0000	1.29	1.28	1.28	1.27	1.26
17.2500	1.25	1.25	1.24	1.23	1.23
17.5000	1.22	1.21	1.20	1.20	1.19
17.7500	1.18	1.18	1.17	1.16	1.15
18.0000	1.15	1.14	1.13	1.12	1.12
18.2500	1.11	1.10	1.09	1.09	1.08
18.5000	1.07	1.07	1.06	1.05	1.04
18.7500	1.04	1.03	1.02	1.01	1.01
19.0000	1.00	.99	.98	.98	.97
19.2500	.96	.95	.95	.94	.93
19.5000	.92	.92	.91	.90	.89
19.7500	.89	.88	.87	.86	.86
20.0000	.85	.84	.83	.83	.82

20.2500	.82	.81	.81	.80
.80				
20.5000	.80	.79	.79	.79
.79				
20.7500	.79	.79	.78	.78
.78				
21.0000	.78	.78	.78	.77
.77				
21.2500	.77	.77	.77	.77
.77				
21.5000	.76	.76	.76	.76
.76				
21.7500	.76	.76	.76	.75
.75				
22.0000	.75	.75	.75	.75
.74				
22.2500	.74	.74	.74	.74
.74				
22.5000	.74	.73	.73	.73
.73				
22.7500	.73	.73	.73	.72
.72				
23.0000	.72	.72	.72	.72
.72				
23.2500	.71	.71	.71	.71
.71				
23.5000	.71	.71	.70	.70
.70				
23.7500	.70	.70	.70	.70
.69				
24.0000	.69	.69	.66	.62
.55				
24.2500	.46	.37	.28	.21
.15				
24.5000	.11	.08	.06	.04
.03				
24.7500	.02	.02	.01	.01
.01				
25.0000	.00	.00	.00	.00

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 60
HYG Tag = 15

Peak Discharge =	7.68 cfs
Time to Peak =	12.7000 hrs
HYG Volume =	158923 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
9.6000	.00	.00	.00	.00	.01
9.8500	.01	.01	.01	.02	.02
10.1000	.02	.03	.04	.04	.05
10.3500	.06	.07	.09	.10	.12
10.6000	.14	.16	.18	.21	.24
10.8500	.27	.31	.34	.38	.43
11.1000	.48	.53	.59	.65	.72
11.3500	.80	.88	.98	1.08	1.20
11.6000	1.35	1.56	1.89	2.25	2.62
11.8500	3.08	3.61	4.20	4.80	5.35
12.1000	5.81	6.18	6.45	6.65	6.78
12.3500	6.87	6.94	6.99	7.02	7.16
12.6000	7.43	7.67	7.68	7.55	7.38
12.8500	7.24	7.08	7.03	7.02	7.01
13.1000	6.99	6.98	6.96	6.95	6.93

13.3500	6.91	6.89	6.87	6.85
6.83				
13.6000	6.81	6.79	6.77	6.75
6.72				
13.8500	6.70	6.67	6.65	6.62
6.60				
14.1000	6.57	6.54	6.51	6.48
6.45				
14.3500	6.42	6.39	6.36	6.33
6.30				
14.6000	6.27	6.24	6.21	6.17
6.14				
14.8500	6.11	6.07	6.04	6.01
5.97				
15.1000	5.94	5.90	5.86	5.83
5.79				
15.3500	5.75	5.71	5.68	5.64
5.60				
15.6000	5.56	5.52	5.48	5.43
5.39				
15.8500	5.35	5.31	5.26	5.22
5.17				
16.1000	5.13	5.08	5.03	4.98
4.94				
16.3500	4.89	4.84	4.79	4.74
4.69				
16.6000	4.63	4.58	4.53	4.48
4.42				
16.8500	4.37	4.31	4.26	4.20
4.15				
17.1000	4.09	4.03	3.98	3.92
3.86				

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HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
17.3500	3.80	3.74	3.68	3.62
17.6000	3.50	3.44	3.38	3.32
17.8500	3.19	3.13	3.07	3.00
18.1000	2.88	2.82	2.75	2.69
18.3500	2.57	2.51	2.45	2.39
18.6000	2.27	2.21	2.16	2.09
18.8500	1.95	1.87	1.80	1.74
19.1000	1.63	1.58	1.54	1.50
19.3500	1.43	1.40	1.37	1.35
19.6000	1.30	1.28	1.26	1.24
19.8500	1.21	1.20	1.18	1.17
20.1000	1.14	1.13	1.11	1.10
20.3500	1.08	1.07	1.06	1.06
20.6000	1.04	1.04	1.03	1.02
20.8500	1.01	1.01	1.01	1.00
21.1000	.99	.99	.99	.98
21.3500	.98	.98	.97	.97
21.6000	.97	.97	.96	.96
21.8500	.96	.95	.95	.95
22.1000	.95	.94	.94	.94

22.3500	.94	.94	.93	.93
.93				
22.6000	.93	.93	.92	.92
.92				
22.8500	.92	.92	.92	.91
.91				
23.1000	.91	.91	.91	.91
.90				
23.3500	.90	.90	.90	.90
.90				
23.6000	.89	.89	.89	.89
.89				
23.8500	.88	.88	.88	.88
.88				
24.1000	.87	.85	.83	.79
.74				
24.3500	.69	.64	.59	.54
.50				
24.6000	.46	.42	.39	.36
.33				
24.8500	.31	.28	.26	.24
.23				
25.1000	.21	.20	.19	.17
.16				
25.3500	.15	.14	.13	.13
.12				
25.6000	.11	.11	.10	.10
.09				
25.8500	.09	.08	.08	.07
.07				
26.1000	.07	.06	.06	.06
.05				
26.3500	.05	.05	.05	.04
.04				
26.6000	.04	.04	.04	.04
.04				
26.8500	.04	.04	.03	.03
.03				
27.1000	.03	.03	.03	.03
.03				
27.3500	.03	.03	.03	.02
.02				
27.6000	.02	.02	.02	.02
.02				
27.8500	.02	.02	.02	.02
.02				
28.1000	.02	.02	.02	.02
.02				
28.3500	.01	.01	.01	.01
.01				

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
28.6000	.01	.01	.01	.01 .01
28.8500	.01	.01	.01	.01 .01
29.1000	.01	.01	.01	.01 .01
29.3500	.01	.01	.01	.01 .01
29.6000	.01	.01	.01	.01 .01
29.8500	.01	.01	.01	.01 .01
30.1000	.01	.00	.00	.00 .00
30.3500	.00	.00	.00	.00 .00
30.6000	.00	.00	.00	.00 .00
30.8500	.00	.00	.00	.00

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 60
HYG Tag = 25

Peak Discharge	18.34 cfs
Time to Peak	12.4000 hrs
HYG Volume	186254 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs					
9.1500	.00	.00	.00	.00	.01
9.4000	.01	.01	.01	.02	.02
9.6500	.02	.03	.03	.04	.04
9.9000	.05	.06	.08	.09	.10
10.1500	.12	.13	.15	.17	.19
10.4000	.21	.24	.27	.30	.33
10.6500	.36	.39	.43	.47	.52
10.9000	.57	.62	.67	.73	.80
11.1500	.86	.94	1.02	1.11	1.21
11.4000	1.31	1.44	1.57	1.72	1.91
11.6500	2.12	2.34	2.63	3.01	3.47
11.9000	4.01	4.60	5.20	5.75	6.22
12.1500	6.59	6.86	7.35	13.40	17.30
12.4000	18.34	17.74	16.50	15.08	13.66
12.6500	12.42	11.27	10.39	9.58	8.90

12.9000	8.42	7.98	7.57	7.30
7.11				
13.1500	7.03	7.02	7.01	6.99
6.98				
13.4000	6.97	6.95	6.93	6.92
6.90				
13.6500	6.88	6.86	6.84	6.82
6.80				
13.9000	6.78	6.76	6.73	6.71
6.69				
14.1500	6.66	6.64	6.61	6.59
6.56				
14.4000	6.53	6.51	6.48	6.45
6.42				
14.6500	6.40	6.37	6.34	6.31
6.28				
14.9000	6.25	6.22	6.19	6.16
6.13				
15.1500	6.10	6.06	6.03	6.00
5.96				
15.4000	5.93	5.90	5.86	5.83
5.79				
15.6500	5.75	5.72	5.68	5.64
5.60				
15.9000	5.57	5.53	5.49	5.45
5.40				
16.1500	5.36	5.32	5.28	5.24
5.19				
16.4000	5.15	5.10	5.06	5.01
4.97				
16.6500	4.92	4.87	4.83	4.78
4.73				

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HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
16.9000	4.68	4.63	4.58	4.53
	4.48			
17.1500	4.43	4.38	4.33	4.28
	4.23			
17.4000	4.17	4.12	4.07	4.01
	3.96			
17.6500	3.90	3.85	3.79	3.74
	3.68			
17.9000	3.62	3.57	3.51	3.45
	3.39			
18.1500	3.34	3.28	3.22	3.16
	3.10			
18.4000	3.04	2.99	2.93	2.87
	2.81			
18.6500	2.75	2.69	2.64	2.58
	2.52			
18.9000	2.47	2.41	2.36	2.30
	2.25			
19.1500	2.20	2.15	2.08	2.02
	1.95			
19.4000	1.88	1.82	1.76	1.71
	1.66			
19.6500	1.61	1.57	1.54	1.50
	1.47			
19.9000	1.44	1.42	1.39	1.37
	1.35			
20.1500	1.32	1.31	1.29	1.27
	1.26			
20.4000	1.24	1.23	1.22	1.21
	1.20			
20.6500	1.19	1.18	1.17	1.17
	1.16			
20.9000	1.15	1.15	1.14	1.14
	1.13			
21.1500	1.13	1.12	1.12	1.12
	1.11			
21.4000	1.11	1.11	1.10	1.10
	1.10			
21.6500	1.09	1.09	1.09	1.09
	1.08			

21.9000	1.08	1.08	1.08	1.08	1.07
22.1500	1.07	1.07	1.07	1.06	1.06
22.4000	1.06	1.06	1.06	1.05	1.05
22.6500	1.05	1.05	1.05	1.04	1.04
22.9000	1.04	1.04	1.04	1.03	1.03
23.1500	1.03	1.03	1.03	1.02	1.02
23.4000	1.02	1.02	1.02	1.01	1.01
23.6500	1.01	1.01	1.01	1.00	1.00
23.9000	1.00	1.00	1.00	.99	.98
24.1500	.97	.93	.89	.83	.78
24.4000	.72	.66	.61	.56	.51
24.6500	.47	.43	.40	.37	.34
24.9000	.31	.29	.27	.25	.23
25.1500	.22	.20	.19	.18	.16
25.4000	.15	.14	.13	.13	.12
25.6500	.11	.11	.10	.10	.09
25.9000	.09	.08	.08	.07	.07
26.1500	.07	.06	.06	.06	.05
26.4000	.05	.05	.05	.04	.04
26.6500	.04	.04	.04	.04	.04
26.9000	.04	.04	.03	.03	.03
27.1500	.03	.03	.03	.03	.03
27.4000	.03	.03	.03	.02	.02
27.6500	.02	.02	.02	.02	.02
27.9000	.02	.02	.02	.02	.02

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
28.1500	.02	.02	.02	.02
28.4000	.01	.01	.01	.01
28.6500	.01	.01	.01	.01
28.9000	.01	.01	.01	.01
29.1500	.01	.01	.01	.01
29.4000	.01	.01	.01	.01
29.6500	.01	.01	.01	.01
29.9000	.01	.01	.01	.01
30.1500	.01	.00	.00	.00
30.4000	.00	.00	.00	.00
30.6500	.00	.00	.00	.00
30.9000	.00	.00	.00	.00

DIVERTED HYDROGRAPH...
HYG file =
HYG ID = ROUTE 60
HYG Tag = 100

Peak Discharge = 50.84 cfs
Time to Peak = 12.2500 hrs
HYG Volume = 260823 cu.ft

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time on left represents time for first value in each row.

Time hrs				
8.1500	.00	.00	.00	.00 .01
8.4000	.01	.01	.01	.02 .02
8.6500	.02	.03	.03	.04 .04
8.9000	.05	.06	.07	.09 .10
9.1500	.11	.13	.14	.16 .18
9.4000	.20	.22	.24	.26 .28
9.6500	.30	.33	.35	.37 .40
9.9000	.42	.45	.48	.51 .54
10.1500	.58	.61	.65	.69 .73
10.4000	.77	.82	.87	.92 .98
10.6500	1.03	1.09	1.16	1.23 1.30
10.9000	1.38	1.46	1.55	1.65 1.75
11.1500	1.85	1.97	2.06	2.16 2.25
11.4000	2.34	2.44	2.54	2.66 2.79
11.6500	2.96	3.19	3.50	3.89 4.36

11.9000	4.90	5.49	6.08	6.63	8.58
12.1500	33.93	49.08	50.84	46.12	39.66
12.4000	33.65	28.69	24.69	21.48	18.87
12.6500	16.72	14.99	13.56	12.41	11.42
12.9000	10.68	10.04	9.48	9.00	8.67
13.1500	8.35	8.06	7.77	7.51	7.34
13.4000	7.21	7.08	7.03	7.02	7.01
13.6500	7.00	6.99	6.98	6.97	6.96
13.9000	6.94	6.93	6.91	6.90	6.88
14.1500	6.87	6.85	6.83	6.81	6.79
14.4000	6.77	6.75	6.73	6.71	6.69
14.6500	6.67	6.65	6.63	6.61	6.59
14.9000	6.56	6.54	6.52	6.50	6.47
15.1500	6.45	6.43	6.40	6.38	6.35
15.4000	6.33	6.30	6.27	6.25	6.22
15.6500	6.19	6.16	6.14	6.11	6.08

S/N:
PondPack Ver: Compute Time: Date:

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
15.9000	6.05	6.02	5.99	5.96
	5.93			
16.1500	5.89	5.86	5.83	5.80
	5.76			
16.4000	5.73	5.69	5.66	5.62
	5.59			
16.6500	5.55	5.52	5.48	5.45
	5.41			
16.9000	5.37	5.34	5.30	5.26
	5.22			
17.1500	5.18	5.15	5.11	5.07
	5.03			
17.4000	4.99	4.95	4.91	4.86
	4.82			
17.6500	4.78	4.74	4.70	4.65
	4.61			
17.9000	4.57	4.52	4.48	4.43
	4.39			
18.1500	4.34	4.30	4.25	4.20
	4.16			
18.4000	4.11	4.06	4.02	3.97
	3.92			
18.6500	3.87	3.82	3.77	3.72
	3.67			
18.9000	3.62	3.57	3.52	3.47
	3.42			
19.1500	3.37	3.32	3.27	3.21
	3.16			
19.4000	3.11	3.06	3.01	2.96
	2.90			
19.6500	2.85	2.80	2.75	2.70
	2.65			
19.9000	2.60	2.55	2.50	2.45
	2.40			
20.1500	2.35	2.31	2.26	2.21
	2.17			
20.4000	2.12	2.06	2.01	1.97
	1.91			
20.6500	1.86	1.81	1.77	1.74
	1.71			

20.9000	1.68	1.65	1.63	1.61	1.59
21.1500	1.57	1.55	1.54	1.53	1.51
21.4000	1.50	1.49	1.48	1.48	1.47
21.6500	1.46	1.45	1.45	1.44	1.44
21.9000	1.43	1.43	1.42	1.42	1.41
22.1500	1.41	1.40	1.40	1.40	1.39
22.4000	1.39	1.39	1.38	1.38	1.38
22.6500	1.37	1.37	1.37	1.36	1.36
22.9000	1.36	1.36	1.35	1.35	1.35
23.1500	1.34	1.34	1.34	1.34	1.33
23.4000	1.33	1.33	1.33	1.32	1.32
23.6500	1.32	1.31	1.31	1.31	1.31
23.9000	1.30	1.30	1.30	1.29	1.28
24.1500	1.26	1.21	1.15	1.08	1.00
24.4000	.92	.84	.77	.70	.64
24.6500	.59	.54	.49	.45	.41
24.9000	.38	.35	.32	.30	.28
25.1500	.26	.24	.22	.21	.19
25.4000	.18	.17	.16	.15	.14
25.6500	.13	.12	.12	.11	.10
25.9000	.10	.09	.09	.08	.08
26.1500	.08	.07	.07	.06	.06
26.4000	.06	.05	.05	.05	.05
26.6500	.05	.04	.04	.04	.04
26.9000	.04	.04	.04	.04	.03

HYDROGRAPH ORDINATES (cfs)
Output Time increment = .0500 hrs
Time hrs | Time on left represents time for first value in each row.

Time hrs				
27.1500	.03	.03	.03	.03
27.4000	.03	.03	.03	.03
27.6500	.02	.02	.02	.02
27.9000	.02	.02	.02	.02
28.1500	.02	.02	.02	.02
28.4000	.02	.02	.01	.01
28.6500	.01	.01	.01	.01
28.9000	.01	.01	.01	.01
29.1500	.01	.01	.01	.01
29.4000	.01	.01	.01	.01
29.6500	.01	.01	.01	.01
29.9000	.01	.01	.01	.01
30.1500	.01	.01	.01	.00
30.4000	.00	.00	.00	.00
30.6500	.00	.00	.00	.00
30.9000	.00	.00	.00	.00
31.1500	.00			