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LEGEND

- FLOODING DURING 10, 25, AND 100 YEAR STORM EVENTS
- FLOODING DURING 25 AND 100 YEAR STORM EVENTS
- FLOODING DURING 100 YEAR STORM EVENT ONLY

-N-

Title:
EXISTING MODEL AS OF JULY 2008

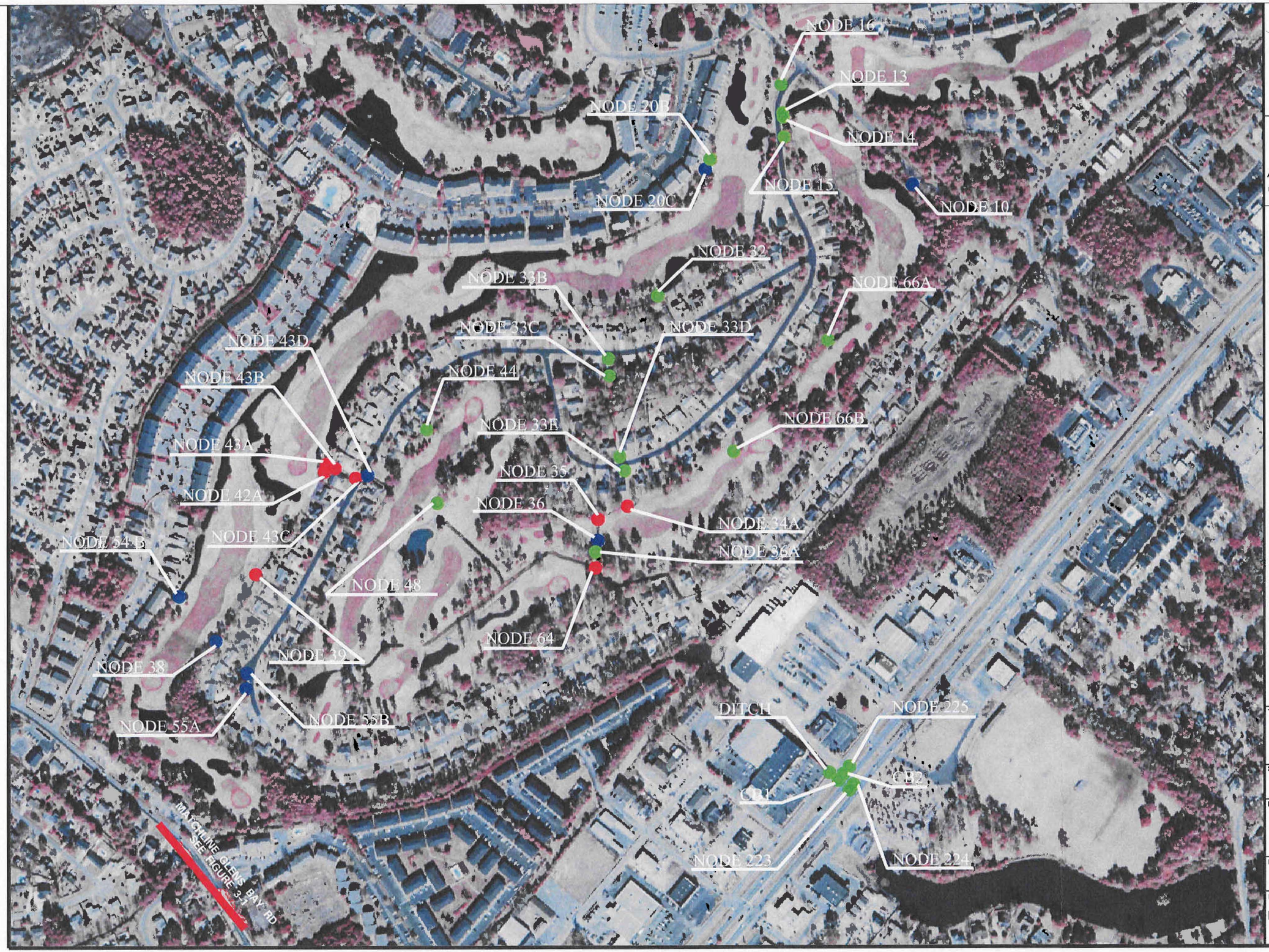
Scale:
SCALE: 1"=400'

Project Name:
REVISION OF CAROPINES AND DEERFIELD STORM DRAINAGE OUTFALL STUDY

Drawing Name:
FIGURE 3-1

Drawing Description:
FLOODED AREAS TO SOUTH WEST OF GLENS BAY RD.

July08flooding_1.dgn 7/29/2008 4:51:12 PM



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-N-

Title:
EXSTING MODEL AS OF JULY 2008

Scale:
SCALE: 1"=400'

Project Name:
REVISION OF CAROPINES AND DEERFIELD STORM DRAINAGE OUTFALL STUDY

Drawing Name:
FIGURE 3-2

Drawing Description:
FLOODED AREAS TO NORTH EAST OF GLENS BAY RD.

July08flooding_2.dgn 7/29/2008 4:52:02 PM

Caropines Deerfield (Existing Condition Model – October 2007) – With New Pond and Double 60-inch RCP.

10-Year Return Period Storm (10 Yr – 24 Hour Precipitation = 6.7 inches)

```
 Current Directory:   C:\XPS-VE~1.6
 Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE
 Input File : opines-Deerfield\XP-SWMM\Final\10 Year - New Pond and 60-inRCP.XP

          *=============================================*
          |                   xpswmm                    |
          |     Storm and Wastewater Management Model   |
          |       Interface Version: 10.61              |
          |          Engine Version: 10.6.1.0           |
          |=============================================|
          |                                             |
          |                 Developed by                |
          |                                             |
          |                 XP Software                 |
          |                                             |
          |=============================================|
          |      XP Software          April, 2008       |
          |       Data File Version --->    12.0        |
          |       Serial Number: 42-1060-2154           |
          |                The LPA Group                |
          *=============================================*

Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE


*=================================================*
|       Input and Output file names by Layer      |
*=================================================*

 Input File  to Layer #     1 JIN.US
 Output File to Layer #     1 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
 Input File  to Layer #     2 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
 Output File to Layer #     2 JOT.US
```

Table E1 - Conduit Data

Inp Num	Conduit Name	Length (ft)	Conduit Class	Area (ft^2)	Manning Coef.	Max Width (ft)	Depth (ft)	Trapezoid Side Slopes	
1	Link1	65.9500	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
2	Link4	62.9800	Trapezoid	90.0000	0.0350	15.0000	3.0000	5.0000	5.0000
3	Link5	76.3200	Circular	1.7671	0.0120	1.5000	1.5000		
4	Link6	84.0400	Trapezoid	16.0000	0.0350	3.0000	2.0000	2.5000	2.5000
5	Link7	98.0500	Circular	1.7671	0.0120	1.5000	1.5000		
6	Link9	28.7000	Trapezoid	14.0000	0.0350	5.0000	2.0000	1.0000	1.0000
7	Link10	486.3000	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
8	Link12	21.7000	Trapezoid	2.0000	0.0350	1.0000	1.0000	1.0000	1.0000
9	Link13	18.7000	Circular	1.7671	0.0120	1.5000	1.5000		
10	Link14	86.2400	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
11	Link15	47.4700	Circular	1.7671	0.0120	1.5000	1.5000		
12	Link19	25.9000	Circular	1.7671	0.0270	1.5000	1.5000		
13	Link16	130.8000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
14	Link17	13.3300	Circular	1.7671	0.0120	1.5000	1.5000		
15	Link18	95.5000	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
16	Link11	53.9000	Circular	1.7671	0.0120	1.5000	1.5000		
17	Link20C	332.6900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
18	Link22	83.4000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
19	Link23	107.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
20	Link24	144.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
21	Link25	17.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
22	Link26	50.0100	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
23	Link27	352.0000	Circular	3.1416	0.0120	2.0000	2.0000		
24	Link30	162.3900	Circular	3.1416	0.0120	2.0000	2.0000		
25	Link31	20.9400	Circular	1.2272	0.0240	1.2500	1.2500		
26	Link34A	142.1600	Trapezoid	30.7500	0.0350	7.0000	1.5000	9.0000	9.0000
27	Link35	89.9000	Trapezoid	88.0000	0.0350	20.0000	2.0000	12.0000	12.0000
28	Link37	357.0100	Trapezoid	18.0000	0.0350	3.0000	1.0000	15.0000	15.0000
29	Link38	310.9000	Trapezoid	36.6800	0.0350	5.0000	2.0000	6.6700	6.6700
30	Link39	179.7000	Circular	4.9087	0.0120	2.5000	2.5000		
31	Link40	25.0000	Circular	1.7671	0.0120	1.5000	1.5000		
32	Link44	295.4000	Trapezoid	4.0000	0.0350	3.0000	1.0000	1.0000	1.0000
33	Link45	321.8000	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
34	Link46	207.0100	Circular	4.9087	0.0120	2.5000	2.5000		
35	Link47	115.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
36	Link48	61.6400	Circular	0.1963	0.0090	0.5000	0.5000		
37	Link49	27.0000	Circular	4.9087	0.0120	2.5000	2.5000		
38	Link50	67.6000	Circular	1.2272	0.0280	1.2500	1.2500		
39	Link51	401.0300	Trapezoid	184.0000	0.0350	6.0000	4.0000	10.0000	10.0000
40	Link52	42.3000	Circular	1.2272	0.0280	1.2500	1.2500		
41	Link53	88.8000	Trapezoid	26.0000	0.0350	25.0000	1.0000	1.0000	1.0000
42	Link54	356.7000	Circular	1.7671	0.0280	1.5000	1.5000		
43	Link55D	54.0300	Circular	4.9087	0.0120	2.5000	2.5000		
44	Link58	430.3600	Trapezoid	208.0000	0.0350	16.0000	4.0000	9.0000	9.0000
45	Link59	50.2000	Circular	1.2272	0.0280	1.2500	1.2500		
46	Link60	35.0200	Circular	1.2272	0.0280	1.2500	1.2500		
47	Link63	238.2000	Trapezoid	58.0000	0.0350	15.0000	2.0000	7.0000	7.0000
48	Link36	50.6500	Circular	4.9087	0.0120	2.5000	2.5000		
49	Link64	110.0000	Trapezoid	44.0000	0.0350	15.0000	2.0000	3.5000	3.5000
50	Link65	227.5600	Trapezoid	94.0000	0.0350	17.0000	2.0000	15.0000	15.0000
51	Link67	112.4000	Trapezoid	40.0000	0.0350	6.0000	4.0000	1.0000	1.0000
52	Link20A	199.9000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
53	Link36A	66.5000	Trapezoid	13.0000	0.0350	8.0000	1.0000	5.0000	5.0000
54	Link57A	40.5400	Circular	1.2272	0.0280	1.2500	1.2500		
55	Link57B	54.8100	Circular	1.2272	0.0280	1.2500	1.2500		
56	Link56	87.9200	Circular	4.9087	0.0120	2.5000	2.5000		
57	Link32A	251.5700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
58	Link32	244.6700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
59	Link66B	190.6000	Circular	1.7671	0.0120	1.5000	1.5000		
60	Link66A	654.5200	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
61	Link66C	435.0600	Trapezoid	129.6000	0.0350	10.0000	4.0000	5.6000	5.6000
62	XS #1A	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
63	XS #2	431.0000	Natural	89.7060	0.0300	46.3900	4.9500		
64	XS #3	191.0000	Natural	81.1062	0.0300	45.0300	4.9300		
65	XS #4	130.0000	Natural	99.8750	0.0300	57.7600	5.6200		
66	XS #5	1089.0000	Natural	130.1118	0.0300	44.4000	7.2000		
67	XS #6	586.0000	Natural	161.1250	0.0300	60.6000	6.3400		
68	XS #7	1608.0000	Natural	181.5410	0.0300	41.0700	9.1100		
69	XS #8	761.0000	Natural	172.3457	0.0300	51.3000	8.7700		

70	XS #9	75.0000	Natural	124.1935	0.0300	37.8100	6.9000		
71	XS #10	550.0000	Circular	19.6350	0.0130	5.0000	5.0000		
72	STUB	4.0000	Circular	28.2743	0.0130	6.0000	6.0000		
73	FRONTAGE	50.0000	Circular	28.2743	0.0130	6.0000	6.0000		
74	HWY 17 S	60.0000	Circular	28.2743	0.0130	6.0000	6.0000		
75	HWY 17 N	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
76	PARKINGLOT	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
77	TO LAKE	172.0000	Circular	28.2743	0.0130	6.0000	6.0000		
78	61	350.0000	Natural	49.5000	0.0300	50.0000	3.5000		
79	62	1300.0000	Natural	49.2000	0.0350	50.0000	3.3000		
80	XS #3a	66.0000	Natural	87.0000	0.0300	67.0000	4.9000		
81	XS MALLARD	158.0000	Natural	40.3050	0.0300	25.0000	4.2000		
82	80	150.0000	Natural	18.0000	0.0300	39.0000	2.5000		
83	8x4 Box	68.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
84	Clvt 10	42.0000	Rectangle	40.5000	0.0150	13.5000	3.0000		
85	Palmto Lk	700.0000	Natural	172.0000	0.0500	56.0000	4.5000		
86	Clvt 7	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
87	Chan A	270.0000	Natural	54.5525	0.0500	23.9500	4.9000		
88	Clvt 6	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
89	Chan B	210.0000	Natural	58.3500	0.0500	20.0000	5.3000		
90	Clvt 5	42.0000	Circular	12.5664	0.0130	4.0000	4.0000		
91	Chan C	400.0000	Natural	43.5000	0.0500	28.0000	4.0000		
92	Chan D	150.0000	Trapezoid	81.2500	0.0350	25.0000	3.2500	0.0000	0.0000
93	Oak Clvt	35.0000	Rectangle	24.0000	0.0130	8.0000	3.0000		
94	Chan E	150.0000	Trapezoid	106.1900	0.0300	25.0000	3.7000	1.0000	1.0000
95	Clvt2 Out	40.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
96	Clvt1 Out	42.0000	Rectangle	28.0000	0.0130	7.0000	4.0000		
97	Lined Ch	75.0000	Natural	92.2250	0.0250	33.6000	4.3600		
98	Link20B	49.0900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
99	Link20	5.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
100	Link33	128.5700	Circular	4.9087	0.0120	2.5000	2.5000		
101	Link33A	54.2500	Circular	4.9087	0.0120	2.5000	2.5000		
102	Link33C	351.0900	Trapezoid	60.0000	0.0350	5.0000	3.0000	5.0000	5.0000
103	Link33D	64.2600	Circular	4.9087	0.0120	2.5000	2.5000		
104	Link33E	153.1800	Circular	4.9087	0.0120	2.5000	2.5000		
105	Link33B	75.6500	Circular	4.9087	0.0120	2.5000	2.5000		
106	Link34	440.8000	Trapezoid	54.0000	0.0350	7.0000	2.0000	10.0000	10.0000
107	Link54B	602.9000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
108	Link54A	5.0000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
109	Link55A	66.3400	Trapezoid	10.0000	0.0350	5.0000	1.0000	5.0000	5.0000
110	Link55B	96.7000	Circular	1.7671	0.0280	1.5000	1.5000		
111	Link55C	144.9500	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
112	Link43A	41.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
113	Link42A	48.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
114	Link42	139.7000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
115	Link43B	96.9000	Trapezoid	25.0000	0.0350	20.0000	1.0000	5.0000	5.0000
116	Link43	79.2000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
117	Link43C	52.0000	Circular	1.7671	0.0120	1.5000	1.5000		
118	Link43D	114.6000	Circular	1.7671	0.0120	1.5000	1.5000		
119	Link39A	53.8000	Circular	4.9087	0.0120	2.5000	2.5000		
120	Link39B	116.5000	Circular	4.9087	0.0120	2.5000	2.5000		
121	XS #1B	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
122	ToLake	534.4790	Natural	52.6000	0.0300	50.0000	3.4000		
123	Link224	83.8200	Circular	4.9087	0.0270	2.5000	2.5000		
124	Link225	65.1595	Circular	7.0686	0.0110	3.0000	3.0000		
125	18"RCP	9.0000	Circular	1.7671	0.0120	1.5000	1.5000		
126	36"Stub	8.0000	Circular	7.0686	0.0120	3.0000	3.0000		
127	18"RCP2	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
128	18"RCP1	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
129	12"RCP1	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
130	12"RCP2	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
131	24"RCP 1	25.0000	Circular	3.1416	0.0120	2.0000	2.0000		
132	Link62	24.2000	Circular	4.9087	0.0120	2.5000	2.5000		
133	Link61	176.3000	Trapezoid	172.0000	0.0350	15.0000	4.0000	7.0000	7.0000
134	Link2	65.0700	Trapezoid	33.7500	0.0350	15.0000	1.5000	5.0000	5.0000
135	Link3	73.3400	Circular	1.7671	0.0120	1.5000	1.5000		
136	Link66	111.7000	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
137	Link69	153.2000	Circular	15.9043	0.0240	4.5000	4.5000		
138	24" RCP 2	20.0000	Circular	3.1416	0.0120	2.0000	2.0000		
139	48" RCP	72.0000	Circular	12.5664	0.0120	4.0000	4.0000		
140	8.1	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
141	8.2	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
142	29.1	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
143	29.2	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
144	28.1	44.9100	Circular	0.3494	0.0110	0.6670	0.6670		
145	28.2	38.7400	Circular	0.3494	0.0110	0.6670	0.6670		
146	28.3	41.2000	Circular	0.1963	0.0110	0.5000	0.5000		

147	41.1	50.2300	Circular	1.7671	0.0120	1.5000	1.5000
148	41.2	50.2300	Circular	1.7671	0.0240	1.5000	1.5000
149	Spanish1	45.0000	Circular	4.9087	0.0120	2.5000	2.5000
150	IndianDr1	42.0000	Circular	7.0686	0.0130	3.0000	3.0000
151	2@42" RCP	64.0000	Circular	9.6211	0.0130	3.5000	3.5000
152	2@24"	40.0000	Circular	3.1416	0.0130	2.0000	2.0000
153	Seaweed.1	48.4149	Circular	4.9087	0.0120	2.5000	2.5000
154	68.1	52.4000	Circular	12.5664	0.0120	4.0000	4.0000
155	68.2	52.4000	Circular	7.0686	0.0120	3.0000	3.0000

Total length of all conduits .... 25171.4434 feet

Table E15 - SPREADSHEET INFO LIST

Conduit Flow and Junction Depth Information for use in spreadsheets. The maximum values in this table are the true maximum values because they sample every time step. The values in the review results may only be the maximum of a subset of all the time steps in the run. Note: These flows are only the flows in a single barrel.

Conduit Name	Maximum Flow (cfs)	Total Flow (ft^3)	Maximum Velocity (ft/s)	Maximum Volume (ft^3)	##	Junction Name	Invert Elevation (ft)	Maximum Elevation (ft)
Link1	0.9574	17788.1281	0.9355	2.4896	##	Node1	32.0000	32.1071
Link4	1.1430	21138.9989	-0.0569	1690.9659	##	Node2	31.0000	31.0491
Link5	0.4748	3661.9047	4.0063	0.4374	##	Node3	27.0000	28.2671
Link6	0.6080	4495.5522	1.2210	160.9394	##	Node4	27.0000	28.2604
Link7	1.3099	24687.4355	3.7139	40.5410	##	Node7	27.0000	28.2604
Link9	-0.5917	-1982.8697	-0.3465	310.3554	##	Node5	31.0000	31.1841
Link10	1.3641	5882.1355	0.2181	9222.9310	##	Node6	29.0000	29.1221
Link12	-1.7127	-10242.2113	-1.8633	43.4000	##	Node8	25.0000	26.4963
Link13	1.7161	10334.2315	6.7984	24.4527	##	Node20	26.0000	26.2897
Link14	-0.9778	-6767.9814	-0.6201	252.2829	##	Node9	24.0000	25.6309
Link15	-0.9763	-6939.3432	-1.9624	33.6170	##	Node10	24.0000	25.6308
Link19	-0.0306	-544.8758	-0.6516	2.9671	##	Node12	24.0000	25.6312
Link16	0.8705	3904.9906	0.4237	250.0999	##	Node14	25.0000	25.6322
Link17	0.8530	3908.7721	3.1484	2.9405	##	Node15	25.0000	25.6316
Link18	0.9728	6422.3012	0.4601	132.0594	##	Node19	25.0000	25.6335
Link11	0.7058	4327.0798	4.6365	49.3038	##	Node16	26.0000	26.3888
Link20C	5.9422	85692.6610	1.2656	3131.8050	##	Node17	26.0000	26.3263
Link22	1.5993	26156.6458	1.7892	13.5125	##	Node18	26.0000	26.2227
Link23	2.4996	46469.8683	1.6472	53.5902	##	Node11	25.5000	25.6988
Link24	4.4291	79179.5340	2.1019	276.2205	##	Node20B	25.0000	25.5067
Link25	6.1142	126245.6051	-1.1253	105.0000	##	Node30	24.0000	25.4729
Link26	2.3094	28494.4194	1.9711	48.6746	##	Node22	31.0000	31.1635
Link27	10.4415	320317.4218	4.6748	777.5286	##	Node23	29.0000	29.2844
Link30	10.5958	469680.0681	5.1121	487.0028	##	Node24	28.0000	28.3151
Link31	10.6034	543877.9752	8.5591	26.4550	##	Node25	25.0000	26.3724
Link34A	-19.6530	-775857.387	-0.6391	4371.4200	##	Node27	25.0000	26.3605
Link35	19.8715	822473.8843	0.2456	7911.2000	##	Node26	30.0000	30.1328
Link37	5.5767	50238.8271	0.9037	6409.6656	##	Node29	23.0000	25.4752
Link38	3.8062	42326.8464	0.5155	11379.8811	##	Node28	23.0000	25.4812
Link39	-4.8857	-67575.8044	2.7702	705.4663	##	Node31	23.0000	25.2948
Link40	21.9575	313779.5413	17.8092	44.7438	##	Node35	19.0000	21.6806
Link44	6.6062	47034.4866	1.6516	1181.6000	##	Node34	21.0000	21.7223
Link45	6.9928	121050.8011	1.9481	1311.8019	##	Node36	19.0000	21.6789
Link46	19.3065	1020872.189	5.2359	593.3558	##	Node37	24.0000	24.9134
Link47	1.2511	64168.0750	0.3817	690.0000	##	Node39	21.0000	24.9005
Link48	1.2157	64176.5473	6.1407	12.1947	##	Node38	23.0000	24.9011
Link49	20.6026	1090637.542	12.3230	71.3225	##	Node40	25.0000	27.5762
Link50	1.1139	19087.4361	2.6395	46.8835	##	Node41	23.0000	27.5144
Link51	24.5831	1135339.893	1.0325	23770.1288	##	Node42	22.0000	26.9318
Link52	2.2518	34717.9751	1.8240	54.4184	##	Node46	21.0000	22.8928
Link53	1.5499	43537.0576	0.3225	2308.8000	##	Node43	23.0000	26.8346
Link54	4.3400	207284.3736	2.4373	583.7174	##	Node44	22.0000	23.2838
Link55D	11.2941	286147.9870	8.0224	117.4749	##	Node49	21.0000	22.0228
Link58	27.8795	385880.0795	0.2929	44338.0707	##	Node47	22.0000	23.3306

Link59	3.3531	33520.1582	2.7642	48.4449	##	Node48	22.0000	23.3270
Link60	3.6380	43565.1606	5.2498	31.6844	##	Node51	20.0000	21.6694
Link63	32.8145	1592136.685	0.6183	13815.6000	##	Node50	22.0000	22.3945
Link36	19.7196	822769.0225	4.2866	252.7565	##	Node61	19.0000	21.6155
Link64	49.3284	2424830.338	1.1976	4840.0000	##	Node52	24.0000	27.6020
Link65	50.3128	2459276.022	0.7867	21390.6400	##	Node53	24.0000	27.5937
Link67	59.3998	2715121.888	1.8689	3522.1304	##	Node54	25.0000	27.5936
Link20A	1.6618	48750.8927	1.1291	199.9960	##	Node55D	21.0000	21.8068
Link36A	19.8208	828156.2760	1.5247	864.5000	##	Node56	20.0000	21.7156
Link57A	1.3676	10540.3755	1.6821	30.1336	##	Node58	19.0000	21.6253
Link57B	3.1612	26690.6534	4.5293	46.2269	##	Node59	22.0000	23.4915
Link56	17.9434	333513.3626	6.2208	384.4783	##	Node60	22.0000	22.6755
Link32A	5.1028	29062.2964	0.7332	1755.4299	##	Node63	19.0000	21.4814
Link32	10.8550	571956.0217	1.5661	1707.2824	##	Node64	19.0000	21.4601
Link66B	7.4705	126527.2517	4.8998	340.8725	##	Node65	19.0000	21.4185
Link66A	10.7022	126674.3014	0.8430	13651.6059	##	Node67	18.0000	21.3958
Link66C	10.0129	166429.6232	0.1129	42876.6960	##	Node66	21.0000	22.1678
XS #1A	109.5148	2462609.902	3.1215	27250.6693	##	125	15.5000	21.3063
XS #2	97.3132	4611580.977	1.1583	38161.8431	##	Node36A	19.0000	21.5847
XS #3	94.0371	4612319.229	1.1594	17004.0144	##	Node57A	22.0000	22.8248
XS #4	97.0966	5407087.236	1.2669	12748.5733	##	Node57B	22.0000	22.6485
XS #5	94.8090	5401425.729	2.0137	53213.0330	##	Node32	22.0000	23.4081
XS #6	92.8936	5395228.377	1.5264	37866.8677	##	Node32A	22.0000	23.0728
XS #7	91.8466	5383984.584	2.0150	73522.3285	##	Node33	22.0000	22.9945
XS #8	91.0899	5378283.153	2.3908	31840.3953	##	Node66B	20.0000	22.1275
XS #9	-149.8617	-8076226.06	-2.7622	4103.2489	##	Node66A	20.0000	22.1630
XS #10	75.0911	8061940.494	5.0092	18989.9510	##	Node66C	18.0000	21.3990
STUB	268.4475	10200453.56	15.0063	73.1918	##	2	18.4100	22.5846
FRONTAGE	321.0516	10448796.10	21.0304	1086.3106	##	4	18.5300	25.0128
HWY 17 S	326.8230	10544676.89	12.8944	1674.4675	##	8	18.3000	24.8046
HWY 17 N	333.9722	10657457.40	11.6641	2011.6091	##	15	18.2000	24.7785
PARKINGLOT	-375.6852	-11092792.3	-13.2234	2015.5642	##	17	18.1000	22.5275
TO LAKE	-375.8005	-11092074.2	-13.8569	5086.1595	##	19	18.0000	21.9638
61	138.9927	1054114.464	2.8079	17302.1372	##	25	17.2000	20.5083
62	95.0087	1045130.940	2.1678	63939.3813	##	New Pond	10.0000	19.8371
XS #3a	100.8310	5407690.564	1.2970	5592.5480	##	32	15.4900	19.4247
XS MALLARD	64.4657	795167.4973	5.0286	6321.6736	##	34	14.3200	19.3362
80	-34.1560	-319173.712	-1.8976	2695.2514	##	36	14.3200	17.8847
8x4 Box	296.8866	12037247.25	10.9325	1845.1129	##	38	11.9200	17.3549
Clvt 10	-87.2053	-2510061.53	-3.6791	1237.2484	##	41	10.9400	17.1527
Palmto Lk	28.2273	2499372.546	0.9702	39417.2301	##	45	9.1200	16.8457
Clvt 7	21.4833	2485624.889	2.5805	354.7873	##	48	9.6000	16.3152
Chan A	21.4829	2484347.285	1.2411	4671.3609	##	52	22.6000	25.6425
Clvt 6	21.4847	2483297.590	3.2520	271.9092	##	55	22.1000	26.9420
Chan B	21.4873	2482654.732	1.6459	2742.1822	##	56	22.5000	27.8416
Clvt 5	21.4935	2482257.016	2.6661	342.0573	##	63	18.4000	24.8304
Chan C	-21.5082	-2481495.32	-1.2785	6749.1865	##	64	20.4100	24.8313
Chan D	68.8968	2930346.081	1.6862	6674.4475	##	68	20.9600	24.8400
Oak Clvt	34.4539	2930381.160	2.2683	1103.4678	##	76	19.0000	21.5111
Chan E	68.9209	2930389.021	1.3215	8100.5275	##	78	21.5000	24.1546
Clvt2 Out	75.2877	6407330.831	2.6922	2235.6126	##	Lk-Elzbth	7.6700	11.1513
Clvt1 Out	-326.5148	-10574766.6	-11.6541	1176.8035	##	Dgwood Lk	3.9500	8.0234
Lined Ch	326.5152	10574797.19	6.2042	3945.5301	##	44b	6.2300	8.0163
Link20B	1.1942	7237.0578	0.3003	261.3428	##	46b	5.4600	7.9557
Link20	1.5934	44935.5340	1.0482	7.3602	##	48b	5.1700	7.8824
Link33	12.9113	600967.5283	7.1614	236.5106	##	50b	5.1700	7.5895
Link33A	13.0315	603283.3090	8.9557	172.9275	##	52b	5.3500	7.4447
Link33C	21.7434	710551.3683	0.7819	20809.8861	##	54b	4.5200	6.9665

Link33D	19.1665	710267.6158	3.8966	330.6786	##	56b	4.3800	6.8742
Link33E	21.2127	732140.7066	4.3114	783.3928	##	Myrtle Lk	4.2000	6.2020
Link33B	13.4772	609641.3013	5.1010	386.9849	##	60b	2.5700	6.0663
Link34	5.5230	52099.8928	0.6345	19564.1069	##	Holly Lk	4.7500	6.3720
Link54B	-18.3675	-218792.239	-0.8746	12660.9000	##	63b	4.3300	6.2727
Link54A	-18.9308	-251695.422	-0.9147	105.0000	##	65b	4.2400	6.2385
Link55A	4.3601	210202.3658	0.4360	663.4000	##	69b	2.5100	6.0000
Link55B	4.3570	210212.1924	2.6166	83.4653	##	71b	3.4200	6.5408
Link55C	4.3570	210206.4076	1.6079	255.2496	##	73b	5.3000	8.6953
Link43A	8.6785	-15507.1652	1.5595	830.0000	##	38b	3.2300	7.7766
Link42A	20.4603	829254.3952	1.5978	970.0000	##	Channel	3.2600	6.0000
Link42	-20.6569	-824415.937	-1.0328	2794.0000	##	Node20C	25.0000	25.5067
Link43B	17.0101	845182.2295	0.9931	2422.5000	##	Node20A	26.0000	26.2681
Link43	-8.1211	11930.5184	-0.7967	1584.0000	##	Node33A	21.0000	22.0300
Link43C	16.7587	845324.4469	9.3919	96.2750	##	Node33B	19.6000	22.0395
Link43D	16.7999	852729.4123	9.6982	147.6763	##	Node33E	18.2500	21.9147
Link39A	4.8884	67382.1081	3.3754	69.6105	##	Node33D	18.5300	22.0013
Link39B	6.9916	120976.9894	6.1875	97.9572	##	Node34A	17.6900	21.7126
XS #1B	31.0146	2061383.238	2.0850	5320.2850	##	Node33C	19.1700	22.0098
ToLake	-36.9672	-1485677.17	1.6914	28094.7789	##	Node54B	25.0000	27.5764
Link224	-39.0555	-535943.742	-7.9492	416.4678	##	Node55A	23.0000	24.8147
Link225	133.2880	745298.3543	22.2514	390.3758	##	Node55B	23.0000	24.8025
18"RCP	35.9585	166516.8579	36.9659	8.9415	##	Node55C	23.0000	23.2322
36"Stub	17.5996	81911.1905	13.9113	12.9392	##	Node42A	25.0000	26.8590
18"RCP2	6.3506	53174.9653	8.0977	26.8284	##	Node43A	24.0000	26.8346
18"RCP1	5.5089	42707.2997	7.5764	26.8284	##	Node43B	25.0000	26.8346
12"RCP1	7.0725	54918.3846	19.6646	7.5320	##	Node43C	24.0000	26.8035
12"RCP2	6.8136	57813.9125	19.9719	7.3942	##	Node43D	24.0000	25.6974
24"RCP 1	6.0450	51318.4058	8.6613	73.3793	##	Node39A	23.0000	24.8626
Link62	32.4867	1581758.678	7.3183	119.8766	##	Node39B	24.0000	24.6994
Link61	33.1559	1581683.145	0.5973	15335.5318	##	1B	20.9000	22.8118
Link2	1.0455	20213.1652	0.3096	221.8204	##	1A	20.9000	25.5463
Link3	1.1091	20743.0718	-1.0584	116.5034	##	53A	20.9044	25.6293
Link66	2.8137	41154.3218	0.5680	1519.1097	##	53B	20.9206	25.6179
Link69	59.3735	2714999.403	4.9731	1540.5340	##	Node214	26.0000	28.3715
24" RCP 2	6.1608	51326.7483	4.8119	65.8681	##	Node215	22.0000	29.2887
48" RCP	17.5806	81918.8891	6.7223	459.4642	##	Ditch	20.0000	20.7541
8.1	-0.7765	-20742.3936	3.0363	15.2337	##	Node217	17.0600	18.0001
8.2	-0.7765	-20742.3936	3.0363	15.2337	##	Node219	17.5000	18.2397
29.1	4.5101	-16922.5289	10.7368	14.0638	##	Node220	15.0000	17.3998
29.2	4.5101	-16922.5289	10.7368	14.0638	##	CB 2	15.0000	17.3893
28.1	-1.4744	5887.5013	-4.1809	16.4505	##	CB 1	15.0000	17.3872
28.2	-1.6023	6390.8746	-4.5436	14.1905	##	Node223	18.0000	18.5267
28.3	-0.7052	2595.6872	-3.5540	8.4805	##	Node224	18.0000	18.5001
41.1	15.3657	568433.2016	8.6024	90.0566	##	Node225	16.0000	17.3300
41.2	7.6816	283655.5103	4.3005	90.0566	##	Node 13	24.0000	25.6319
Spanish1	91.4574	-1624988.12	19.2405	231.5676	##	Node45	23.0000	23.7275
IndianDr1	96.0815	5406378.424	13.4973	311.2269	##	Node62	19.0000	21.6104
2@42" RCP	46.1564	5392454.187	4.5959	1216.1598	##	1	21.1000	25.5607
2@24"	32.4502	794405.9082	10.2738	256.7274	##	123	15.3000	21.2730
Seaweed.1	-21.3331	-1025939.20	5.1967	474.3891	##	6	18.4000	24.8812
68.1	41.0972	1859221.874	3.1250	689.2572	##	21	17.9000	21.7809
68.2	18.2797	855716.2414	2.5779	388.2926	##	23	17.5000	21.4961
Screen.1	149.9846	8065094.196	4.4000	31896.6177	##	27	15.6000	19.9232
WEIR#1	0.0000	0.0000	0.0000	0.0000	##			
WEIR#2	0.0000	0.0000	0.0000	0.0000	##			
WEIR#3	0.0000	0.0000	0.0000	0.0000	##			
Dway Top	0.0000	0.0000	0.0000	0.0000	##			

WEIR#5	0.0000	0.0000	0.0000	0.0000	##
WEIR#8	-18.9764	-218038.237	0.0000	0.0000	##
WEIR#9	-15.0957	-101259.282	0.0000	0.0000	##
WEIR#10	16.5554	131508.8978	0.0000	0.0000	##
WEIR#11	75.7268	1763499.828	0.0000	0.0000	##
WEIR#12	0.0000	0.0000	0.0000	0.0000	##
WEIR#13	204.6042	10142565.17	0.0000	0.0000	##
WEIR#14	326.5130	10573789.69	0.0000	0.0000	##
WEIR#15	0.0000	0.0000	0.0000	0.0000	##
WEIR#16	150.5750	6407345.353	0.0000	0.0000	##
WEIR#17	0.0000	0.0000	0.0000	0.0000	##
WeirA	12.6737	996563.7159	0.0000	0.0000	##
WeirB	18.4088	1066639.163	0.0000	0.0000	##
Weir1	11.3039	473973.6182	0.0000	0.0000	##
WEIR#6	13.4248	9504.1880	0.0000	0.0000	##
WEIR#7	-43.7716	746348.1105	0.0000	0.0000	##
FREE # 1	150.5754	6407362.820	0.0000	0.0000	##
FREE # 2	326.5151	10574874.06	0.0000	0.0000	##

```
#########################################################
# Table E16. New Conduit Information Section            #
#            Conduit Invert (IE) Elevation and Conduit  #
#            Maximum Water Surface (WS) Elevations      #
#########################################################
```

Conduit Name	Upstream Node	Downstream Node	IE Up	IE Dn	WS Up	WS Dn	Conduit Type
Link1	Node1	Node2	32.0000	31.0000	32.1071	31.0491	Trapezoid
Link4	Node4	Node7	27.0000	27.0000	28.2604	28.2604	Trapezoid
Link5	Node5	Node6	31.0000	29.0000	31.1841	29.1221	Circular
Link6	Node6	Node7	29.0000	27.0000	29.1221	28.2604	Trapezoid
Link7	Node7	Node8	28.0000	25.0000	28.2604	26.4963	Circular
Link9	Node9	Node10	24.0000	24.0000	25.6309	25.6308	Trapezoid
Link10	Node10	Node12	24.0000	24.0000	25.6308	25.6312	Trapezoid
Link12	Node12	Node 13	24.0000	24.0000	25.6312	25.6319	Trapezoid
Link13	Node14	Node 13	25.0000	24.0000	25.6322	25.6319	Circular
Link14	Node14	Node15	25.0000	25.0000	25.6322	25.6316	Trapezoid
Link15	Node15	Node19	25.0000	25.0000	25.6316	25.6335	Circular
Link19	Node19	Node20	26.0000	26.0000	26.0628	26.2897	Circular
Link16	Node16	Node17	26.0000	26.0000	26.3888	26.3263	Trapezoid
Link17	Node17	Node18	26.0000	26.0000	26.3263	26.2227	Circular
Link18	Node18	Node19	26.0000	26.0000	26.2227	26.0648	Trapezoid
Link11	Node11	Node12	25.5000	24.0000	25.6988	25.6312	Circular
Link20C	Node20C	Node30	25.0000	24.0000	25.5067	25.4729	Trapezoid
Link22	Node22	Node23	31.0000	29.0000	31.1635	29.2844	Trapezoid
Link23	Node23	Node24	29.0000	28.0000	29.2844	28.3151	Trapezoid
Link24	Node24	Node25	28.0000	25.0000	28.3151	26.3724	Trapezoid
Link25	Node25	Node27	25.0000	25.0000	26.3724	26.3605	Trapezoid
Link26	Node26	Node27	30.0000	25.0000	30.1328	26.3605	Trapezoid
Link27	Node27	Node30	25.0000	24.0000	26.3605	25.4729	Circular
Link30	Node30	Node31	24.0000	23.0000	25.4729	25.2948	Circular
Link31	Node31	Node32	23.0000	22.0000	25.2948	23.4081	Circular
Link34A	Node35	Node34A	19.0000	17.6900	21.6806	21.7126	Trapezoid
Link35	Node35	Node36	19.0000	19.0000	21.6806	21.6789	Trapezoid
Link37	Node37	Node39	24.0000	21.0000	24.9134	24.9005	Trapezoid
Link38	Node38	Node39	23.0000	21.0000	24.9011	24.9005	Trapezoid
Link39	Node39A	Node39	24.0000	21.0000	24.8626	24.9005	Circular
Link40	Node40	Node41	25.0000	23.0000	27.5762	27.5144	Circular
Link44	Node44	Node46	22.0000	21.0000	23.2838	22.8928	Trapezoid
Link45	Node45	Node46	23.0000	21.0000	23.7275	22.8928	Trapezoid
Link46	Node46	Node49	21.0000	21.0000	22.8928	22.0228	Circular
Link47	Node47	Node48	22.0000	22.0000	23.3306	23.3270	Trapezoid
Link48	Node48	Node49	22.0000	21.0000	23.3270	22.0228	Circular
Link49	Node49	Node51	21.0000	20.0000	22.0228	21.6694	Circular
Link50	Node50	Node51	22.0000	20.0000	22.3945	21.6694	Circular
Link51	Node51	Node61	20.0000	19.0000	21.6694	21.6155	Trapezoid
Link52	Node52	Node53	24.0000	24.0000	27.6020	27.5937	Circular
Link53	Node53	Node54	26.0000	26.0000	27.5937	27.5936	Trapezoid
Link54	Node54	Node55A	25.0000	23.0000	27.5936	24.8147	Circular
Link55D	Node55D	Node56	21.0000	20.0000	21.8068	21.7156	Circular
Link58	Node58	Node61	19.0000	19.0000	21.6253	21.6155	Trapezoid
Link59	Node59	Node60	22.0000	22.0000	23.4915	22.6755	Circular
Link60	Node60	Node61	22.0000	19.0000	22.6755	21.6155	Circular
Link63	Node63	Node64	19.0000	19.0000	21.4814	21.4601	Trapezoid
Link36	Node36	Node36A	19.0000	19.0000	21.6789	21.5847	Circular
Link64	Node64	Node65	19.0000	19.0000	21.4601	21.4185	Trapezoid
Link65	Node65	Node67	19.0000	19.0000	21.4185	21.3958	Trapezoid
Link67	Node67	125	18.0000	18.0000	21.3958	21.3063	Trapezoid
Link20A	Node20A	Node20C	26.0000	25.0000	26.2681	25.5067	Trapezoid
Link36A	Node36A	Node64	19.0000	19.0000	21.5847	21.4601	Trapezoid
Link57A	Node57A	Node57B	22.0000	22.0000	22.8248	22.6485	Circular
Link57B	Node57B	Node58	22.0000	19.0000	22.6485	21.6253	Circular
Link56	Node56	Node58	20.0000	19.0000	21.7156	21.6253	Circular
Link32A	Node32A	Node33	22.0000	22.0000	23.0728	22.9945	Trapezoid
Link32	Node32	Node33	22.0000	22.0000	23.4081	22.9945	Trapezoid
Link66B	Node66B	Node66C	20.0000	18.0000	22.1275	21.3990	Circular
Link66A	Node66A	Node66B	20.0000	20.0000	22.1630	22.1275	Trapezoid
Link66C	Node66C	Node67	18.0000	18.0000	21.3990	21.3958	Trapezoid
XS #1A	1	1A	21.1000	20.9000	25.5607	25.5463	Natural
XS #2	4	6	18.5300	18.4000	25.0128	24.8812	Natural
XS #3	6	63	18.4000	18.4000	24.8812	24.8304	Natural
XS #4	8	15	18.3000	18.2000	24.8046	24.7785	Natural
XS #5	17	19	18.1000	18.0000	22.5275	21.9638	Natural
XS #6	19	21	18.0000	17.9000	21.9638	21.7809	Natural
XS #7	23	25	17.5000	17.2000	21.4961	20.5083	Natural
XS #8	25	27	17.2000	15.6000	20.5083	19.9232	Natural

XS #9	New Pond	27	16.2000	15.6000	19.8371	19.9232	Natural
XS #10	32	34	15.5000	15.0000	19.4247	19.3362	Circular
STUB	34	36	15.3000	14.5000	19.3362	17.8847	Circular
FRONTAGE	36	38	14.3200	12.1000	17.8847	17.3549	Circular
HWY 17 S	38	41	11.9200	11.0000	17.3549	17.1527	Circular
HWY 17 N	41	45	10.9400	9.8900	17.1526	16.8456	Circular
PARKINGLOT	48	45	9.9000	9.1200	16.3152	16.8457	Circular
TO LAKE	Lk-Elzbth	48	9.8700	9.6100	15.0784	16.3152	Circular
61	56	55	22.5000	22.1000	27.8416	26.9420	Natural
62	55	1	22.1000	21.1000	26.9420	25.5607	Natural
XS #3a	63	8	18.4000	18.3000	24.8304	24.8046	Natural
XS MALLARD	64	63	20.4100	18.4000	24.8313	24.8304	Natural
80	78	68	21.5000	20.9600	24.1546	24.8400	Natural
8x4 Box	73b	Dgwood Lk	5.3000	5.0300	8.6953	8.4182	Rectangle
Clvt 10	44b	Dgwood Lk	6.2300	5.4200	8.0163	8.0234	Rectangle
Palmto Lk	44b	46b	6.2300	5.4600	8.0163	7.9557	Natural
Clvt 7	46b	48b	5.4600	5.1700	7.9557	7.8824	Circular
Chan A	48b	50b	5.5100	5.1700	7.8824	7.5895	Natural
Clvt 6	50b	52b	5.5100	5.3500	7.5895	7.4447	Circular
Chan B	52b	54b	5.3500	4.5200	7.4447	6.9665	Natural
Clvt 5	54b	56b	4.5200	4.3800	6.9665	6.8742	Circular
Chan C	Myrtle Lk	56b	4.5000	4.3800	6.2020	6.8742	Natural
Chan D	Holly Lk	63b	4.7500	4.3300	6.3720	6.2727	Trapezoid
Oak Clvt	63b	65b	4.3300	4.2400	6.2727	6.2385	Rectangle
Chan E	65b	Myrtle Lk	4.2400	4.2000	6.2385	6.2020	Trapezoid
Clvt2 Out	60b	69b	2.5700	2.5100	6.0663	6.0000	Rectangle
Clvt1 Out	71b	38b	3.4600	3.2300	7.4600	7.7766	Rectangle
Lined Ch	71b	Channel	3.4200	3.2600	6.5408	6.0000	Natural
Link20B	Node20B	Node20C	25.0000	25.0000	25.5067	25.5067	Trapezoid
Link20	Node20	Node20A	26.0000	26.0000	26.2897	26.2681	Trapezoid
Link33	Node33	Node33A	22.0000	21.0000	22.9945	22.0300	Circular
Link33A	Node33A	Node33B	21.0000	19.6000	22.0300	22.0395	Circular
Link33C	Node33C	Node33D	19.1700	18.5300	22.0098	22.0013	Trapezoid
Link33D	Node33D	Node33E	18.5300	18.2500	22.0013	21.9147	Circular
Link33E	Node33E	Node34A	18.2500	17.6900	21.9147	21.7126	Circular
Link33B	Node33B	Node33C	19.6000	19.1700	22.0395	22.0098	Circular
Link34	Node34	Node34A	21.0000	17.6900	21.7223	21.7126	Trapezoid
Link54B	Node54B	Node54	25.0000	25.0000	27.5764	27.5936	Trapezoid
Link54A	Node40	Node54B	25.0000	25.0000	27.5762	27.5764	Trapezoid
Link55A	Node55A	Node55B	23.0000	23.0000	24.8147	24.8025	Trapezoid
Link55B	Node55B	Node55C	23.0000	23.0000	24.8025	23.2322	Circular
Link55C	Node55C	Node55D	23.0000	21.0000	23.2322	21.8068	Trapezoid
Link43A	Node43B	Node43A	25.0000	24.0000	26.8346	26.8346	Trapezoid
Link42A	Node42A	Node43B	25.0000	25.0000	26.8590	26.8346	Trapezoid
Link42	Node42A	Node42	25.0000	24.0000	26.8590	26.9318	Trapezoid
Link43B	Node43B	Node43C	25.0000	24.5000	26.8346	26.8035	Trapezoid
Link43	Node43	Node43A	24.0000	24.0000	26.8346	26.8346	Trapezoid
Link43C	Node43C	Node43D	24.0000	24.0000	26.8035	25.6974	Circular
Link43D	Node43D	Node46	24.0000	22.0000	25.6974	23.4354	Circular
Link39A	Node39A	Node39B	24.0000	24.0000	24.8626	24.6994	Circular
Link39B	Node39B	Node45	24.0000	23.0000	24.6994	23.7275	Circular
XS #1B	1B	2	20.9000	20.7000	22.8118	22.5846	Natural
ToLake	1	53B	21.1000	20.9206	25.5607	25.6179	Natural
Link224	53A	Node215	24.0004	22.0000	26.1076	29.2887	Circular
Link225	Node214	53A	26.0000	24.0004	28.3715	26.3718	Circular
18"RCP	Ditch	36	20.0000	14.3200	20.7541	17.8847	Circular
36"Stub	Node219	Node217	17.5000	17.0600	18.2397	18.0001	Circular
18"RCP2	CB 2	38	15.0000	13.0000	17.3893	17.3549	Circular
18"RCP1	CB 1	38	15.0000	13.0000	17.3872	17.3549	Circular
12"RCP1	Node223	41	18.0000	15.0000	18.5267	17.1526	Circular
12"RCP2	Node224	41	18.0000	15.0000	18.5001	17.1526	Circular
24"RCP 1	Node225	Node220	16.0000	15.0000	17.3300	17.3998	Circular
Link62	Node62	Node63	19.0000	19.0000	21.6104	21.4814	Circular
Link61	Node61	Node62	19.0000	19.0000	21.6155	21.6104	Trapezoid
Link2	Node2	Node3	31.0000	27.0000	31.0491	28.2671	Trapezoid
Link3	Node3	Node4	27.0000	27.0000	28.2671	28.2604	Circular
Link66	Node66	Node66A	21.0000	20.0000	22.1678	22.1630	Trapezoid
Link69	123	27	18.0000	18.0000	21.2730	20.2364	Circular
24" RCP 2	Node220	CB 2	15.0000	15.0000	17.3998	17.3893	Circular
48" RCP	Node217	36	17.0600	14.3200	18.0001	17.8847	Circular
8.1	Node20	Node8	26.0000	25.0000	26.2897	26.4963	Circular
8.2	Node20	Node8	26.0000	25.0000	26.2897	26.4963	Circular
29.1	Node30	Node29	24.0000	23.0000	25.4729	25.4752	Circular
29.2	Node30	Node29	24.0000	23.0000	25.4729	25.4752	Circular
28.1	Node28	Node29	23.0000	23.0000	25.4812	25.4752	Circular
28.2	Node28	Node29	23.0000	23.0000	25.4812	25.4752	Circular
28.3	Node28	Node29	23.0000	23.0000	25.4812	25.4752	Circular

41.1	Node41	Node42	23.0000	22.0000	27.5144	26.9318	Circular
41.2	Node41	Node42	23.0000	22.0000	27.5144	26.9318	Circular
Spanish1	4	2	18.5300	18.4100	25.0128	22.5846	Circular
IndianDr1	15	17	18.2000	18.1000	24.7785	22.5275	Circular
2@42" RCP	21	23	17.9000	17.5000	21.7809	21.4961	Circular
2@24"	68	64	20.9600	20.4100	24.8400	24.8313	Circular
Seaweed.1	53B	53A	20.9206	20.9044	25.6179	25.6293	Circular
68.1	125	123	16.8200	16.7800	21.3063	21.2730	Circular
68.2	125	123	16.8200	16.7800	21.3063	21.2730	Circular
Screen.1	New Pond	32	15.5000	15.4900	19.8371	19.4247	Circ Orif

Table E20 - Junction Flooding and Volume Listing. The maximum volume is the total volume in the node including the volume in the flooded storage area. This is the max volume at any time. The volume in the flooded storage area is the total volume above the ground elevation, where the flooded pond storage area starts. The fourth column is instantaneous, the fifth is the sum of the flooded volume over the entire simulation. Units are either ft^3 or m^3 depending on the units.

Junction Name	Surcharged Time (min)	Flooded Time(min)	Out of 1D-System (Flooded Volume)	Maximum Volume	Passed to 2D cell OR Volume Stored in allowed Flood Pond of 1D-System
Node1	0.0000	0.0000	0.0000	1212.0758	0.0000
Node2	0.0000	0.0000	0.0000	286.2131	0.0000
Node3	0.0000	0.0000	0.0000	15.9229	0.0000
Node4	0.0000	0.0000	0.0000	15.8387	0.0000
Node7	0.0000	0.0000	0.0000	15.8379	0.0000
Node5	0.0000	0.0000	0.0000	2.3132	0.0000
Node6	0.0000	0.0000	0.0000	1.5342	0.0000
Node8	0.0000	0.0000	0.0000	22220.7583	0.0000
Node20	0.0000	0.0000	0.0000	1833.4941	0.0000
Node9	0.0000	0.0000	0.0000	29667.4183	0.0000
Node10	0.0000	0.0000	0.0000	20.4927	0.0000
Node12	0.0000	0.0000	0.0000	21172.0617	0.0000
Node14	0.0000	0.0000	0.0000	7.9439	0.0000
Node15	0.0000	0.0000	0.0000	7.9363	0.0000
Node19	0.0000	0.0000	0.0000	7.9605	0.0000
Node16	0.0000	0.0000	0.0000	4.8862	0.0000
Node17	0.0000	0.0000	0.0000	4.0998	0.0000
Node18	0.0000	0.0000	0.0000	2.7989	0.0000
Node11	0.0000	0.0000	0.0000	2.4975	0.0000
Node20B	0.0000	0.0000	0.0000	6.3673	0.0000
Node30	0.0000	0.0000	0.0000	6451.8959	0.0000
Node22	0.0000	0.0000	0.0000	1776.7153	0.0000
Node23	0.0000	0.0000	0.0000	3464.2535	0.0000
Node24	0.0000	0.0000	0.0000	958.0320	0.0000
Node25	337.4167	0.0000	0.0000	24325.3229	0.0000
Node27	0.0000	0.0000	0.0000	89522.3972	0.0000
Node26	0.0000	0.0000	0.0000	2196.2849	0.0000
Node29	2482.2583	0.0000	0.0000	75670.5005	0.0000
Node28	2477.8250	0.0000	0.0000	44596.6448	0.0000
Node31	325.6250	0.0000	0.0000	40541.2816	0.0000
Node35	475.9833	476.0167	0.0000	4900.4299	9991.3297
Node34	0.0000	0.0000	0.0000	9.0759	0.0000
Node36	182.4667	0.0000	0.0000	33.6626	0.0000
Node37	0.0000	0.0000	0.0000	11.4779	0.0000
Node39	2503.8333	2494.5083	0.0000	7341.5994	17746.9892
Node38	0.0000	0.0000	0.0000	23.8897	0.0000
Node40	603.6583	0.0000	0.0000	19008.5645	0.0000
Node41	2451.9250	0.0000	0.0000	231231.4446	0.0000
Node42	2431.2750	0.0000	0.0000	56976.1980	0.0000
Node46	0.0000	0.0000	0.0000	23.7851	0.0000
Node43	2399.6250	0.0000	0.0000	42497.0525	0.0000
Node44	25.0667	0.0000	0.0000	16.1323	0.0000
Node49	0.0000	0.0000	0.0000	12.8529	0.0000
Node47	411.8417	0.0000	0.0000	30029.4474	0.0000
Node48	409.4750	0.0000	0.0000	16.6752	0.0000
Node51	0.0000	0.0000	0.0000	20.9771	0.0000
Node50	0.0000	0.0000	0.0000	4777.7422	0.0000
Node61	0.0000	0.0000	0.0000	32.8660	0.0000
Node52	2500.8500	0.0000	0.0000	8706.5346	0.0000
Node53	398.6667	0.0000	0.0000	35235.8975	0.0000
Node54	398.6750	0.0000	0.0000	30337.1891	0.0000
Node55D	0.0000	0.0000	0.0000	8014.2025	0.0000
Node56	0.0000	0.0000	0.0000	6367.5272	0.0000
Node58	0.0000	0.0000	0.0000	32.9890	0.0000
Node59	48.9500	0.0000	0.0000	8696.1575	0.0000
Node60	0.0000	0.0000	0.0000	5370.9974	0.0000
Node63	0.0000	0.0000	0.0000	31.1814	0.0000
Node64	388.8083	388.8167	0.2028	2946.6336	12428.1626

Node65	369.0417	0.0000	0.0000	30.3910	0.0000
Node67	0.0000	0.0000	0.0000	42.6714	0.0000
Node66	0.0000	0.0000	0.0000	10640.5526	0.0000
125	0.0000	0.0000	0.0000	72.9616	0.0000
Node36A	128.7000	0.0000	0.0000	32.4799	0.0000
Node57A	0.0000	0.0000	0.0000	2970.2411	0.0000
Node57B	0.0000	0.0000	0.0000	4617.7942	0.0000
Node32	566.6083	0.0000	0.0000	17.6938	0.0000
Node32A	31.2750	0.0000	0.0000	13.4802	0.0000
Node33	0.0000	0.0000	0.0000	12.4966	0.0000
Node66B	0.0000	0.0000	0.0000	26.7345	0.0000
Node66A	0.0000	0.0000	0.0000	27.1807	0.0000
Node66C	0.0000	0.0000	0.0000	42.7117	0.0000
2	0.0000	0.0000	0.0000	1993229.168	0.0000
4	132.3667	0.0000	0.0000	81.4630	0.0000
8	93.2000	0.0000	0.0000	81.7370	0.0000
15	99.1250	0.0000	0.0000	82.6653	0.0000
17	0.0000	0.0000	0.0000	55.6362	0.0000
19	0.0000	0.0000	0.0000	49.8086	0.0000
25	0.0000	0.0000	0.0000	41.5723	0.0000
New Pond	0.0000	0.0000	0.0000	111732.8879	0.0000
32	0.0000	0.0000	0.0000	49.4433	0.0000
34	0.0000	0.0000	0.0000	63.0333	0.0000
36	0.0000	0.0000	0.0000	44.7939	0.0000
38	0.0000	0.0000	0.0000	68.2953	0.0000
41	9.6833	0.0000	0.0000	78.0681	0.0000
45	35.5417	0.0000	0.0000	97.0806	0.0000
48	27.3750	0.0000	0.0000	84.3831	0.0000
52	2956.8333	0.0000	0.0000	1706456.791	0.0000
55	98.4917	98.5000	0.0000	14177.2945	72698.1117
56	88.0667	88.0667	0.0000	26576.3029	48666.3647
63	142.9417	0.0000	0.0000	80.8042	0.0000
64	42.3000	0.0000	0.0000	55.5583	0.0000
68	179.2583	0.0000	0.0000	235601.6259	0.0000
76	2540.8417	0.0000	0.0000	276837.3527	0.0000
78	100.7750	100.7917	0.0000	867.6235	1585.6352
Lk-Elzbth	0.0000	0.0000	0.0000	1289238.821	0.0000
Dgwood Lk	0.0000	0.0000	0.0000	2483101.669	0.0000
44b	0.0000	0.0000	0.0000	22.4472	0.0000
46b	0.0000	0.0000	0.0000	31.3607	0.0000
48b	0.0000	0.0000	0.0000	34.0841	0.0000
50b	0.0000	0.0000	0.0000	30.4033	0.0000
52b	0.0000	0.0000	0.0000	26.3222	0.0000
54b	0.0000	0.0000	0.0000	30.7425	0.0000
56b	0.0000	0.0000	0.0000	31.3420	0.0000
Myrtle Lk	0.0000	0.0000	0.0000	111806.0471	0.0000
60b	0.0000	0.0000	0.0000	43.9344	0.0000
Holly Lk	0.0000	0.0000	0.0000	94198.8552	0.0000
63b	0.0000	0.0000	0.0000	24.4121	0.0000
65b	0.0000	0.0000	0.0000	25.1130	0.0000
69b	0.0000	0.0000	0.0000	43.8553	0.0000
71b	0.0000	0.0000	0.0000	39.2164	0.0000
73b	0.0000	0.0000	0.0000	42.6649	0.0000
38b	143.3333	0.0000	0.0000	57.1328	0.0000
Channel	0.0000	0.0000	0.0000	34.4308	0.0000
Node20C	0.0000	0.0000	0.0000	6.3671	0.0000
Node20A	0.0000	0.0000	0.0000	3.3688	0.0000
Node33A	0.0000	0.0000	0.0000	12.9428	0.0000
Node33B	0.0000	0.0000	0.0000	30.6543	0.0000
Node33E	746.8167	0.0000	0.0000	46.0511	0.0000
Node33D	290.9833	0.0000	0.0000	43.6210	0.0000
Node34A	941.0417	487.0417	0.0000	5238.0440	16027.5925
Node33C	0.0000	0.0000	0.0000	35.6848	0.0000
Node54B	769.6417	0.0000	0.0000	32.3749	0.0000
Node55A	594.3083	0.0000	0.0000	22.8031	0.0000
Node55B	589.7333	0.0000	0.0000	22.6497	0.0000
Node55C	0.0000	0.0000	0.0000	2.9180	0.0000
Node42A	623.1083	381.6500	0.0000	2178.6744	3561.5433
Node43A	2400.0417	806.3500	0.0000	14011.1252	17808.1809
Node43B	615.9750	616.0000	0.0000	6531.5288	9838.7984
Node43C	784.3250	607.5667	0.0000	6191.6769	8644.4887
Node43D	354.9583	0.0000	0.0000	21.3294	0.0000
Node39A	0.0000	0.0000	0.0000	23.4053	0.0000
Node39B	0.0000	0.0000	0.0000	8.7892	0.0000
1B	0.0000	0.0000	0.0000	24.0233	0.0000
1A	0.0000	0.0000	0.0000	474964.1796	0.0000
53A	0.0000	0.0000	0.0000	674778.4444	0.0000

53B	2476.5750	1183.2083	0.0000	5092.0323	16136.8694
Node214	0.0000	0.0000	0.0000	36973.7902	0.0000
Node215	2149.6667	0.0000	0.0000	82175.3538	0.0000
Ditch	0.0000	0.0000	0.0000	9.4768	0.0000
Node217	0.0000	0.0000	0.0000	11.8136	0.0000
Node219	0.0000	0.0000	0.0000	9.2950	0.0000
Node220	20.7333	0.0000	0.0000	30.1557	0.0000
CB 2	20.4083	0.0000	0.0000	30.0236	0.0000
CB 1	30.5417	0.0000	0.0000	29.9974	0.0000
Node223	0.0000	0.0000	0.0000	6.6182	0.0000
Node224	0.0000	0.0000	0.0000	6.2844	0.0000
Node225	0.0000	0.0000	0.0000	16.7132	0.0000
Node 13	2033.3167	0.0000	0.0000	20.5069	0.0000
Node45	0.0000	0.0000	0.0000	9.1417	0.0000
Node62	0.0000	0.0000	0.0000	32.8020	0.0000
1	0.0000	0.0000	0.0000	56.0530	0.0000
123	0.0000	0.0000	0.0000	75.0569	0.0000
6	142.1417	0.0000	0.0000	81.4427	0.0000
21	0.0000	0.0000	0.0000	756.9217	0.0000
23	0.0000	0.0000	0.0000	50.2156	0.0000
27	0.0000	0.0000	0.0000	48498.5874	0.0000

```
##################################################
# Table E22. Numerical Model judgement section   #
##################################################

Overall error was (minimum of Table E18 & E21)            1.2640 percent
Worst nodal error was in node 52              with        5.5817 percent
Of the total inflow this loss was                         0.7360 percent
Your overall continuity error was                  Great
                                                  Excellent Efficiency
Efficiency of the simulation                       1.24
Most Number of Non Convergences at one Node        1.
Total Number Non Convergences at all Nodes         2.
Total Number of Nodes with Non Convergences        2.

===> Hydraulic model simulation ended normally.
===> XP-SWMM Simulation ended normally.
===> Your input file was named  : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\10 Year - New Pond and 60-
inRCP.DAT
===> Your output file was named : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\10 Year - New Pond and 60-
inRCP.out

*============================================================*
|             SWMM Simulation Date and Time Summary          |
*============================================================*
| Starting Date... July       22, 2008  Time...   16:32:38:51  |
|   Ending Date... July       22, 2008  Time...   16:50: 9:96  |
|  Elapsed Time...   17.52417 minutes or   1051.45000 seconds  |
*============================================================*
```

Caropines Deerfield (Existing Condition Model – October 2007) – With New Pond and Double 60-inch RCP.

25-Year Return Period Storm (25 Yr – 24 Hour Precipitation = 7.6 inches)

```
 Current Directory:   C:\XPS-VE~1.6
 Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE
 Input File : opines-Deerfield\XP-SWMM\Final\25 Year - New Pond and 60-inRCP.XP

          *=============================================*
          |                   xpswmm                    |
          |     Storm and Wastewater Management Model   |
          |       Interface Version: 10.61              |
          |          Engine Version: 10.6.1.0           |
          |=============================================|
          |                                             |
          |                 Developed by                |
          |                                             |
          |                 XP Software                 |
          |                                             |
          |=============================================|
          |      XP Software          April, 2008       |
          |       Data File Version --->    12.0        |
          |       Serial Number: 42-1060-2154           |
          |                The LPA Group                |
          *=============================================*

Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE


*=================================================*
|       Input and Output file names by Layer      |
*=================================================*

 Input File  to Layer #     1 JIN.US
 Output File to Layer #     1 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
 Input File  to Layer #     2 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
 Output File to Layer #     2 JOT.US
```

Table E1 - Conduit Data

Inp Num	Conduit Name	Length (ft)	Conduit Class	Area (ft^2)	Manning Coef.	Max Width (ft)	Depth (ft)	Trapezoid Side Slopes	
1	Link1	65.9500	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
2	Link4	62.9800	Trapezoid	90.0000	0.0350	15.0000	3.0000	5.0000	5.0000
3	Link5	76.3200	Circular	1.7671	0.0120	1.5000	1.5000		
4	Link6	84.0400	Trapezoid	16.0000	0.0350	3.0000	2.0000	2.5000	2.5000
5	Link7	98.0500	Circular	1.7671	0.0120	1.5000	1.5000		
6	Link9	28.7000	Trapezoid	14.0000	0.0350	5.0000	2.0000	1.0000	1.0000
7	Link10	486.3000	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
8	Link12	21.7000	Trapezoid	2.0000	0.0350	1.0000	1.0000	1.0000	1.0000
9	Link13	18.7000	Circular	1.7671	0.0120	1.5000	1.5000		
10	Link14	86.2400	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
11	Link15	47.4700	Circular	1.7671	0.0120	1.5000	1.5000		
12	Link19	25.9000	Circular	1.7671	0.0270	1.5000	1.5000		
13	Link16	130.8000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
14	Link17	13.3300	Circular	1.7671	0.0120	1.5000	1.5000		
15	Link18	95.5000	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
16	Link11	53.9000	Circular	1.7671	0.0120	1.5000	1.5000		
17	Link20C	332.6900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
18	Link22	83.4000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
19	Link23	107.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
20	Link24	144.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
21	Link25	17.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
22	Link26	50.0100	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
23	Link27	352.0000	Circular	3.1416	0.0120	2.0000	2.0000		
24	Link30	162.3900	Circular	3.1416	0.0120	2.0000	2.0000		
25	Link31	20.9400	Circular	1.2272	0.0240	1.2500	1.2500		
26	Link34A	142.1600	Trapezoid	30.7500	0.0350	7.0000	1.5000	9.0000	9.0000
27	Link35	89.9000	Trapezoid	88.0000	0.0350	20.0000	2.0000	12.0000	12.0000
28	Link37	357.0100	Trapezoid	18.0000	0.0350	3.0000	1.0000	15.0000	15.0000
29	Link38	310.9000	Trapezoid	36.6800	0.0350	5.0000	2.0000	6.6700	6.6700
30	Link39	179.7000	Circular	4.9087	0.0120	2.5000	2.5000		
31	Link40	25.0000	Circular	1.7671	0.0120	1.5000	1.5000		
32	Link44	295.4000	Trapezoid	4.0000	0.0350	3.0000	1.0000	1.0000	1.0000
33	Link45	321.8000	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
34	Link46	207.0100	Circular	4.9087	0.0120	2.5000	2.5000		
35	Link47	115.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
36	Link48	61.6400	Circular	0.1963	0.0090	0.5000	0.5000		
37	Link49	27.0000	Circular	4.9087	0.0120	2.5000	2.5000		
38	Link50	67.6000	Circular	1.2272	0.0280	1.2500	1.2500		
39	Link51	401.0300	Trapezoid	184.0000	0.0350	6.0000	4.0000	10.0000	10.0000
40	Link52	42.3000	Circular	1.2272	0.0280	1.2500	1.2500		
41	Link53	88.8000	Trapezoid	26.0000	0.0350	25.0000	1.0000	1.0000	1.0000
42	Link54	356.7000	Circular	1.7671	0.0280	1.5000	1.5000		
43	Link55D	54.0300	Circular	4.9087	0.0120	2.5000	2.5000		
44	Link58	430.3600	Trapezoid	208.0000	0.0350	16.0000	4.0000	9.0000	9.0000
45	Link59	50.2000	Circular	1.2272	0.0280	1.2500	1.2500		
46	Link60	35.0200	Circular	1.2272	0.0280	1.2500	1.2500		
47	Link63	238.2000	Trapezoid	58.0000	0.0350	15.0000	2.0000	7.0000	7.0000
48	Link36	50.6500	Circular	4.9087	0.0120	2.5000	2.5000		
49	Link64	110.0000	Trapezoid	44.0000	0.0350	15.0000	2.0000	3.5000	3.5000
50	Link65	227.5600	Trapezoid	94.0000	0.0350	17.0000	2.0000	15.0000	15.0000
51	Link67	112.4000	Trapezoid	40.0000	0.0350	6.0000	4.0000	1.0000	1.0000
52	Link20A	199.9000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
53	Link36A	66.5000	Trapezoid	13.0000	0.0350	8.0000	1.0000	5.0000	5.0000
54	Link57A	40.5400	Circular	1.2272	0.0280	1.2500	1.2500		
55	Link57B	54.8100	Circular	1.2272	0.0280	1.2500	1.2500		
56	Link56	87.9200	Circular	4.9087	0.0120	2.5000	2.5000		
57	Link32A	251.5700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
58	Link32	244.6700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
59	Link66B	190.6000	Circular	1.7671	0.0120	1.5000	1.5000		
60	Link66A	654.5200	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
61	Link66C	435.0600	Trapezoid	129.6000	0.0350	10.0000	4.0000	5.6000	5.6000
62	XS #1A	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
63	XS #2	431.0000	Natural	89.7060	0.0300	46.3900	4.9500		
64	XS #3	191.0000	Natural	81.1062	0.0300	45.0300	4.9300		
65	XS #4	130.0000	Natural	99.8750	0.0300	57.7600	5.6200		
66	XS #5	1089.0000	Natural	130.1118	0.0300	44.4000	7.2000		
67	XS #6	586.0000	Natural	161.1250	0.0300	60.6000	6.3400		
68	XS #7	1608.0000	Natural	181.5410	0.0300	41.0700	9.1100		
69	XS #8	761.0000	Natural	172.3457	0.0300	51.3000	8.7700		

70	XS #9	75.0000	Natural	124.1935	0.0300	37.8100	6.9000		
71	XS #10	550.0000	Circular	19.6350	0.0130	5.0000	5.0000		
72	STUB	4.0000	Circular	28.2743	0.0130	6.0000	6.0000		
73	FRONTAGE	50.0000	Circular	28.2743	0.0130	6.0000	6.0000		
74	HWY 17 S	60.0000	Circular	28.2743	0.0130	6.0000	6.0000		
75	HWY 17 N	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
76	PARKINGLOT	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
77	TO LAKE	172.0000	Circular	28.2743	0.0130	6.0000	6.0000		
78	61	350.0000	Natural	49.5000	0.0300	50.0000	3.5000		
79	62	1300.0000	Natural	49.2000	0.0350	50.0000	3.3000		
80	XS #3a	66.0000	Natural	87.0000	0.0300	67.0000	4.9000		
81	XS MALLARD	158.0000	Natural	40.3050	0.0300	25.0000	4.2000		
82	80	150.0000	Natural	18.0000	0.0300	39.0000	2.5000		
83	8x4 Box	68.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
84	Clvt 10	42.0000	Rectangle	40.5000	0.0150	13.5000	3.0000		
85	Palmto Lk	700.0000	Natural	172.0000	0.0500	56.0000	4.5000		
86	Clvt 7	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
87	Chan A	270.0000	Natural	54.5525	0.0500	23.9500	4.9000		
88	Clvt 6	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
89	Chan B	210.0000	Natural	58.3500	0.0500	20.0000	5.3000		
90	Clvt 5	42.0000	Circular	12.5664	0.0130	4.0000	4.0000		
91	Chan C	400.0000	Natural	43.5000	0.0500	28.0000	4.0000		
92	Chan D	150.0000	Trapezoid	81.2500	0.0350	25.0000	3.2500	0.0000	0.0000
93	Oak Clvt	35.0000	Rectangle	24.0000	0.0130	8.0000	3.0000		
94	Chan E	150.0000	Trapezoid	106.1900	0.0300	25.0000	3.7000	1.0000	1.0000
95	Clvt2 Out	40.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
96	Clvt1 Out	42.0000	Rectangle	28.0000	0.0130	7.0000	4.0000		
97	Lined Ch	75.0000	Natural	92.2250	0.0250	33.6000	4.3600		
98	Link20B	49.0900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
99	Link20	5.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
100	Link33	128.5700	Circular	4.9087	0.0120	2.5000	2.5000		
101	Link33A	54.2500	Circular	4.9087	0.0120	2.5000	2.5000		
102	Link33C	351.0900	Trapezoid	60.0000	0.0350	5.0000	3.0000	5.0000	5.0000
103	Link33D	64.2600	Circular	4.9087	0.0120	2.5000	2.5000		
104	Link33E	153.1800	Circular	4.9087	0.0120	2.5000	2.5000		
105	Link33B	75.6500	Circular	4.9087	0.0120	2.5000	2.5000		
106	Link34	440.8000	Trapezoid	54.0000	0.0350	7.0000	2.0000	10.0000	10.0000
107	Link54B	602.9000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
108	Link54A	5.0000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
109	Link55A	66.3400	Trapezoid	10.0000	0.0350	5.0000	1.0000	5.0000	5.0000
110	Link55B	96.7000	Circular	1.7671	0.0280	1.5000	1.5000		
111	Link55C	144.9500	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
112	Link43A	41.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
113	Link42A	48.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
114	Link42	139.7000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
115	Link43B	96.9000	Trapezoid	25.0000	0.0350	20.0000	1.0000	5.0000	5.0000
116	Link43	79.2000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
117	Link43C	52.0000	Circular	1.7671	0.0120	1.5000	1.5000		
118	Link43D	114.6000	Circular	1.7671	0.0120	1.5000	1.5000		
119	Link39A	53.8000	Circular	4.9087	0.0120	2.5000	2.5000		
120	Link39B	116.5000	Circular	4.9087	0.0120	2.5000	2.5000		
121	XS #1B	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
122	ToLake	534.4790	Natural	52.6000	0.0300	50.0000	3.4000		
123	Link224	83.8200	Circular	4.9087	0.0270	2.5000	2.5000		
124	Link225	65.1595	Circular	7.0686	0.0110	3.0000	3.0000		
125	18"RCP	9.0000	Circular	1.7671	0.0120	1.5000	1.5000		
126	36"Stub	8.0000	Circular	7.0686	0.0120	3.0000	3.0000		
127	18"RCP2	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
128	18"RCP1	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
129	12"RCP1	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
130	12"RCP2	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
131	24"RCP 1	25.0000	Circular	3.1416	0.0120	2.0000	2.0000		
132	Link62	24.2000	Circular	4.9087	0.0120	2.5000	2.5000		
133	Link61	176.3000	Trapezoid	172.0000	0.0350	15.0000	4.0000	7.0000	7.0000
134	Link2	65.0700	Trapezoid	33.7500	0.0350	15.0000	1.5000	5.0000	5.0000
135	Link3	73.3400	Circular	1.7671	0.0120	1.5000	1.5000		
136	Link66	111.7000	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
137	Link69	153.2000	Circular	15.9043	0.0240	4.5000	4.5000		
138	24" RCP 2	20.0000	Circular	3.1416	0.0120	2.0000	2.0000		
139	48" RCP	72.0000	Circular	12.5664	0.0120	4.0000	4.0000		
140	8.1	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
141	8.2	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
142	29.1	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
143	29.2	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
144	28.1	44.9100	Circular	0.3494	0.0110	0.6670	0.6670		
145	28.2	38.7400	Circular	0.3494	0.0110	0.6670	0.6670		
146	28.3	41.2000	Circular	0.1963	0.0110	0.5000	0.5000		

147	41.1	50.2300	Circular	1.7671	0.0120	1.5000	1.5000
148	41.2	50.2300	Circular	1.7671	0.0240	1.5000	1.5000
149	Spanish1	45.0000	Circular	4.9087	0.0120	2.5000	2.5000
150	IndianDr1	42.0000	Circular	7.0686	0.0130	3.0000	3.0000
151	2@42" RCP	64.0000	Circular	9.6211	0.0130	3.5000	3.5000
152	2@24"	40.0000	Circular	3.1416	0.0130	2.0000	2.0000
153	Seaweed.1	48.4149	Circular	4.9087	0.0120	2.5000	2.5000
154	68.1	52.4000	Circular	12.5664	0.0120	4.0000	4.0000
155	68.2	52.4000	Circular	7.0686	0.0120	3.0000	3.0000

Total length of all conduits .... 25171.4434 feet

Table E15 - SPREADSHEET INFO LIST

Conduit Flow and Junction Depth Information for use in spreadsheets. The maximum values in this table are the true maximum values because they sample every time step. The values in the review results may only be the maximum of a subset of all the time steps in the run. Note: These flows are only the flows in a single barrel.

Conduit Name	Maximum Flow (cfs)	Total Flow (ft^3)	Maximum Velocity (ft/s)	Maximum Volume (ft^3)	##	Junction Name	Invert Elevation (ft)	Maximum Elevation (ft)
Link1	1.4756	24636.1177	1.1130	4.1570	##	Node1	32.0000	32.1383
Link4	1.7493	29872.8328	0.0613	1796.5370	##	Node2	31.0000	31.0634
Link5	0.7176	5068.3563	4.5891	0.7562	##	Node3	27.0000	28.3355
Link6	0.9117	6158.4042	1.3482	183.8857	##	Node4	27.0000	28.3205
Link7	1.9931	35134.6098	4.6077	60.0507	##	Node7	27.0000	28.3204
Link9	-0.4926	-2795.7249	-0.2623	401.8000	##	Node5	31.0000	31.2212
Link10	1.8489	6562.2197	0.2504	11671.2000	##	Node6	29.0000	29.1548
Link12	-2.1644	-12873.4715	-1.9819	43.4000	##	Node8	25.0000	26.7535
Link13	2.1698	12990.1070	7.3035	31.4866	##	Node20	26.0000	26.3881
Link14	-1.2089	-8578.7097	-0.6843	431.2000	##	Node9	24.0000	26.0792
Link15	-1.2082	-8888.2337	-2.1263	64.6633	##	Node10	24.0000	26.0792
Link19	-0.0739	-1355.0370	-1.1078	4.6483	##	Node12	24.0000	26.0803
Link16	1.0829	4778.3070	0.4745	276.8743	##	Node14	25.0000	26.0802
Link17	1.0646	4752.2142	3.4459	3.3698	##	Node15	25.0000	26.0808
Link18	1.2021	7606.4440	0.5114	148.9889	##	Node19	25.0000	26.0800
Link11	-2.4430	6221.8788	4.6425	83.3587	##	Node16	26.0000	26.4286
Link20C	7.3259	113304.5732	1.3600	3659.5900	##	Node17	26.0000	26.3578
Link22	2.3146	34993.4497	2.0412	21.9239	##	Node18	26.0000	26.2466
Link23	3.7150	62922.6589	1.9168	83.1093	##	Node11	25.5000	26.3742
Link24	6.6611	103108.0427	2.7078	376.6899	##	Node20B	25.0000	26.1931
Link25	8.4629	162108.7322	1.4105	105.0000	##	Node30	24.0000	26.1852
Link26	3.5820	39229.3859	2.5496	68.7617	##	Node22	31.0000	31.2043
Link27	13.4759	407196.5907	4.9306	1052.2242	##	Node23	29.0000	29.3608
Link30	10.9751	611719.6289	4.5560	512.9296	##	Node24	28.0000	28.3868
Link31	11.7626	704850.7570	9.4975	26.6904	##	Node25	25.0000	26.7012
Link34A	-21.7180	-983017.642	-0.7063	4371.4200	##	Node27	25.0000	26.6818
Link35	22.2613	1038840.464	0.2530	7911.2000	##	Node26	30.0000	30.1729
Link37	6.3240	59116.8958	0.8198	6426.1800	##	Node29	23.0000	26.1882
Link38	4.4688	50474.7279	0.3782	11403.8120	##	Node28	23.0000	26.1962
Link39	-6.5325	-84898.7386	2.9570	739.7173	##	Node31	23.0000	25.8624
Link40	24.5376	377028.3899	18.2602	44.9245	##	Node35	19.0000	22.0599
Link44	7.8141	56150.9964	1.9535	1181.6000	##	Node34	21.0000	22.0983
Link45	9.6288	147927.2096	2.0933	1551.0314	##	Node36	19.0000	22.0580
Link46	21.5450	1315347.633	5.3782	700.5436	##	Node37	24.0000	25.0698
Link47	1.2858	76568.7564	0.3670	690.0000	##	Node39	21.0000	25.0539
Link48	1.2952	76570.7333	6.5121	12.2263	##	Node38	23.0000	25.0550
Link49	22.9180	1398981.578	12.3095	89.5843	##	Node40	25.0000	28.5788
Link50	1.3939	24192.8187	2.6882	64.9370	##	Node41	23.0000	28.4779
Link51	25.4347	1454271.834	1.0129	31489.4787	##	Node42	22.0000	27.6333
Link52	3.2141	44368.6482	2.5991	54.4184	##	Node46	21.0000	23.0932
Link53	3.7613	59733.9476	0.5889	2308.8000	##	Node43	23.0000	27.5213
Link54	4.8493	272097.8276	2.7216	633.3903	##	Node44	22.0000	23.7071
Link55D	13.4892	365147.8239	8.2550	136.9952	##	Node49	21.0000	22.2566
Link58	23.4126	483582.3760	0.2911	55251.2192	##	Node47	22.0000	23.6587

Link59	3.8763	39964.9404	3.2709	51.4724	##	Node48	22.0000	23.6546
Link60	4.2142	51904.0932	5.3162	37.5948	##	Node51	20.0000	22.0180
Link63	36.0797	2021603.542	0.6221	13815.6000	##	Node50	22.0000	22.4915
Link36	21.7032	1039209.709	4.2625	260.6423	##	Node61	19.0000	21.9910
Link64	56.7615	3072541.550	1.2900	4840.0000	##	Node52	24.0000	28.6191
Link65	57.6139	3113049.375	0.7307	21390.6400	##	Node53	24.0000	28.6082
Link67	70.3526	3428671.914	1.9480	4005.8686	##	Node54	25.0000	28.6081
Link20A	2.4219	68495.3209	1.2189	847.1356	##	Node55D	21.0000	21.9137
Link36A	21.8205	1045603.911	1.6785	864.5000	##	Node56	20.0000	21.9903
Link57A	1.6481	12480.7311	1.8083	34.9533	##	Node58	19.0000	21.9914
Link57B	3.7862	31711.3276	4.7421	55.4770	##	Node59	22.0000	23.7580
Link56	19.1702	421178.4950	6.4031	427.4681	##	Node60	22.0000	22.7822
Link32A	6.2177	35405.4056	0.8882	1760.9900	##	Node63	19.0000	21.8541
Link32	12.0562	739089.5817	1.7273	1712.6900	##	Node64	19.0000	21.8201
Link66B	8.2557	157100.7230	4.7655	340.8266	##	Node65	19.0000	21.7613
Link66A	11.7956	157041.2972	0.8544	17999.3000	##	Node67	18.0000	21.7256
Link66C	10.7561	206649.5327	0.1191	50030.1737	##	Node66	21.0000	22.6304
XS #1A	118.5153	3316743.202	3.1685	33628.9157	##	125	15.5000	21.6369
XS #2	119.6011	5890006.980	1.3333	37840.9903	##	Node36A	19.0000	21.9642
XS #3	116.4371	5890581.303	1.4356	17004.0144	##	Node57A	22.0000	22.9242
XS #4	106.6765	6800250.433	1.2576	12581.8921	##	Node57B	22.0000	22.7488
XS #5	103.7737	6793199.803	2.0192	59111.2824	##	Node32	22.0000	23.5626
XS #6	101.8901	6784294.136	1.4905	42793.3349	##	Node32A	22.0000	23.2369
XS #7	100.7255	6770272.264	2.0433	79760.9499	##	Node33	22.0000	23.1170
XS #8	99.6679	6763720.081	2.3393	41067.8974	##	Node66B	20.0000	22.6078
XS #9	-169.1118	-10173846.4	-2.7570	4753.4423	##	Node66A	20.0000	22.6288
XS #10	84.7944	10157102.81	5.2398	21033.8945	##	Node66C	18.0000	21.7260
STUB	297.1550	12624068.18	15.2131	88.9296	##	2	18.4100	23.5747
FRONTAGE	357.2017	12911957.10	21.1700	1280.9118	##	4	18.5300	25.8314
HWY 17 S	364.3356	13024616.08	13.0520	1778.0381	##	8	18.3000	25.5424
HWY 17 N	372.7354	13157339.23	12.6187	2011.9555	##	15	18.2000	25.5110
PARKINGLOT	-416.7649	-13659845.5	-14.6368	2015.5648	##	17	18.1000	22.8149
TO LAKE	-416.8597	-13658958.9	-15.0471	5098.1933	##	19	18.0000	22.2470
61	149.1380	1209846.995	3.0129	17320.4180	##	25	17.2000	20.8065
62	94.6146	1200775.312	2.1564	63786.4215	##	New Pond	10.0000	20.2484
XS #3a	111.5498	6801063.077	1.2918	5543.0530	##	32	15.4900	20.0325
XS MALLARD	68.4132	910056.4639	4.9357	6354.9767	##	34	14.3200	19.9550
80	-45.1653	-396779.213	-2.5092	2695.6199	##	36	14.3200	18.6826
8x4 Box	357.1652	14808498.94	11.1919	2151.7376	##	38	11.9200	18.3025
Clvt 10	-87.2053	-2616464.84	-3.6791	1306.5019	##	41	10.9400	17.9859
Palmto Lk	28.2273	2605177.111	0.9702	42422.3616	##	45	9.1200	17.4565
Clvt 7	23.5137	2590867.352	2.6734	373.3476	##	48	9.6000	16.8064
Chan A	23.5136	2589537.840	1.2745	4977.0635	##	52	22.6000	26.1195
Clvt 6	23.5165	2588440.013	3.3404	289.1838	##	55	22.1000	27.3699
Chan B	23.5206	2587763.124	1.6827	2934.1220	##	56	22.5000	28.2879
Clvt 5	23.5308	2587341.658	2.7859	357.8575	##	63	18.4000	25.5733
Chan C	-23.5569	-2586535.35	-1.3196	7178.3355	##	64	20.4100	25.5736
Chan D	83.5741	3541801.698	1.9242	7060.7938	##	68	20.9600	25.5703
Oak Clvt	41.7939	3541852.224	2.6477	1150.7211	##	76	19.0000	22.8860
Chan E	83.6045	3541867.209	1.5548	8412.0035	##	78	21.5000	24.3711
Clvt2 Out	90.8538	7334603.627	3.2231	2245.5236	##	Lk-Elzbth	7.6700	11.5103
Clvt1 Out	-402.9781	-13449834.2	-14.3806	1177.0468	##	Dgwood Lk	3.9500	8.1452
Lined Ch	402.9784	13449872.77	6.5752	4594.7401	##	44b	6.2300	8.1376
Link20B	1.5484	9143.1978	0.3360	539.9900	##	46b	5.4600	8.0793
Link20	2.3273	63672.6476	1.1944	10.3020	##	48b	5.1700	7.9994
Link33	15.9587	774460.7232	7.5762	285.0197	##	50b	5.1700	7.6990
Link33A	16.1446	777233.5312	9.0629	220.0338	##	52b	5.3500	7.5464
Link33C	25.6328	903785.9628	0.7551	21065.4000	##	54b	4.5200	7.0680

Link33D	22.3724	903717.2648	4.5426	330.6786	##	56b	4.3800	6.9672
Link33E	24.7443	929682.7512	5.0240	783.6475	##	Myrtle Lk	4.2000	6.2673
Link33B	16.8565	784846.5296	5.2307	388.5202	##	60b	2.5700	6.0973
Link34	5.9585	61743.0322	0.6112	21573.1224	##	Holly Lk	4.7500	6.4861
Link54B	-20.3787	-258161.790	-0.9704	12660.9000	##	63b	4.3300	6.3638
Link54A	-20.4723	-299384.149	-0.9749	105.0000	##	65b	4.2400	6.3161
Link55A	4.7722	275594.1447	0.4772	663.4000	##	69b	2.5100	6.0000
Link55B	4.7195	275593.4786	2.9249	83.4655	##	71b	3.4200	6.8474
Link55C	4.7195	275584.9369	1.6585	350.0187	##	73b	5.3000	9.3579
Link43A	7.9531	-31535.2103	1.1674	830.0000	##	38b	3.2300	7.9421
Link42A	24.2825	1070485.565	1.5745	970.0000	##	Channel	3.2600	6.2997
Link42	-25.1905	-1064743.76	-1.2595	2794.0000	##	Node20C	25.0000	26.1930
Link43B	18.6731	1102246.373	1.0114	2422.5000	##	Node20A	26.0000	26.3777
Link43	-7.1311	26401.2219	-0.9745	1584.0000	##	Node33A	21.0000	22.1937
Link43C	17.6651	1102410.389	9.9182	96.3321	##	Node33B	19.6000	22.5397
Link43D	17.6787	1111263.544	9.9754	152.1290	##	Node33E	18.2500	22.3476
Link39A	6.5373	84709.6832	3.7533	86.3001	##	Node33D	18.5300	22.4646
Link39B	9.6215	147837.9841	6.5990	167.1158	##	Node34A	17.6900	22.0963
XS #1B	50.5904	2900963.976	2.6100	8726.0959	##	Node33C	19.1700	22.4746
ToLake	-55.3435	-2186116.88	1.5320	28077.1077	##	Node54B	25.0000	28.5791
Link224	-47.3359	-669048.311	-9.5517	418.1215	##	Node55A	23.0000	25.1764
Link225	148.4819	911376.2588	22.2851	468.0248	##	Node55B	23.0000	25.1620
18"RCP	41.3088	192843.0827	36.4638	11.4641	##	Node55C	23.0000	23.2436
36"Stub	20.2754	95142.4537	13.6904	15.0052	##	Node42A	25.0000	27.5486
18"RCP2	7.3395	62430.3258	8.5410	26.9350	##	Node43A	24.0000	27.5212
18"RCP1	6.4409	50236.5867	7.9522	26.9350	##	Node43B	25.0000	27.5212
12"RCP1	8.2946	64684.7171	17.9764	11.4831	##	Node43C	24.0000	27.4867
12"RCP2	7.9886	68011.1434	18.6070	11.3566	##	Node43D	24.0000	26.2535
24"RCP 1	7.1214	60296.6595	8.1511	78.8818	##	Node39A	23.0000	24.9921
Link62	35.7603	2009341.250	7.3242	124.5266	##	Node39B	24.0000	24.8344
Link61	35.6870	2009273.021	0.6061	18926.2012	##	1B	20.9000	23.6621
Link2	1.6011	28068.1174	0.4249	255.0498	##	1A	20.9000	25.8430
Link3	1.7033	29131.8930	-1.0655	121.3180	##	53A	20.9044	26.1039
Link66	3.1748	51648.7400	0.5118	2313.1312	##	53B	20.9206	26.0235
Link69	70.3524	3428752.229	5.3610	1704.6884	##	Node214	26.0000	29.2113
24" RCP 2	7.1628	60304.4503	3.7986	65.8681	##	Node215	22.0000	30.8670
48" RCP	20.2905	95150.2070	6.4922	567.9710	##	Ditch	20.0000	20.9083
8.1	-1.1621	-30004.9004	3.4687	16.1374	##	Node217	17.0600	18.1083
8.2	-1.1621	-30004.9004	3.4687	16.1374	##	Node219	17.5000	18.3204
29.1	5.5288	-27566.8027	10.9091	14.1271	##	Node220	15.0000	18.3679
29.2	5.5288	-27566.8027	10.9091	14.1271	##	CB 2	15.0000	18.3529
28.1	-1.5424	9670.3805	-4.3721	16.4505	##	CB 1	15.0000	18.3459
28.2	-1.6762	10464.6207	-4.7512	14.1905	##	Node223	18.0000	18.7624
28.3	-0.7234	4383.6580	-3.6330	8.4804	##	Node224	18.0000	18.7105
41.1	18.5423	723016.1375	10.3401	90.3208	##	Node225	16.0000	18.3931
41.2	9.2743	360721.9518	5.1718	90.3208	##	Node 13	24.0000	26.0804
Spanish1	99.9428	-2418736.90	20.7088	231.5676	##	Node45	23.0000	23.9278
IndianDr1	105.0314	6799342.264	14.7333	311.2269	##	Node62	19.0000	21.9863
2@42" RCP	50.6220	6780758.086	5.0611	1212.2990	##	1	21.1000	25.8683
2@24"	34.6025	909222.3373	10.9492	256.6575	##	123	15.3000	21.5895
Seaweed.1	-30.9937	-1681063.98	-6.2898	474.4624	##	6	18.4000	25.6449
68.1	48.5545	2351380.403	3.7337	690.2980	##	21	17.9000	22.0814
68.2	21.7979	1077106.382	3.0719	388.2926	##	23	17.5000	21.7288
Screen.1	169.3740	10160625.16	4.5723	36670.2969	##	27	15.6000	20.3208
WEIR#1	0.0000	0.0000	0.0000	0.0000	##			
WEIR#2	0.0000	0.0000	0.0000	0.0000	##			
WEIR#3	0.0000	0.0000	0.0000	0.0000	##			
Dway Top	0.0000	0.0000	0.0000	0.0000	##			

WEIR#5	0.0000	0.0000	0.0000	0.0000	##
WEIR#8	-21.9065	-209094.605	0.0000	0.0000	##
WEIR#9	-23.1706	-187955.223	0.0000	0.0000	##
WEIR#10	31.9901	284670.5867	0.0000	0.0000	##
WEIR#11	95.4578	2385727.891	0.0000	0.0000	##
WEIR#12	0.0000	0.0000	0.0000	0.0000	##
WEIR#13	229.7174	12138393.81	0.0000	0.0000	##
WEIR#14	402.9762	13448856.25	0.0000	0.0000	##
WEIR#15	0.0000	0.0000	0.0000	0.0000	##
WEIR#16	181.7072	7334613.104	0.0000	0.0000	##
WEIR#17	0.0000	0.0000	0.0000	0.0000	##
WeirA	25.3303	1362793.068	0.0000	0.0000	##
WeirB	25.4064	1541117.688	0.0000	0.0000	##
Weir1	52.6432	519867.4184	0.0000	0.0000	##
WEIR#6	15.5549	221441.6779	0.0000	0.0000	##
WEIR#7	-48.6269	948220.3361	0.0000	0.0000	##
FREE # 1	181.7077	7334641.259	0.0000	0.0000	##
FREE # 2	402.9784	13449964.18	0.0000	0.0000	##

```
#########################################################
# Table E16. New Conduit Information Section            #
#            Conduit Invert (IE) Elevation and Conduit  #
#            Maximum Water Surface (WS) Elevations      #
#########################################################
```

Conduit Name	Upstream Node	Downstream Node	IE Up	IE Dn	WS Up	WS Dn	Conduit Type
Link1	Node1	Node2	32.0000	31.0000	32.1383	31.0634	Trapezoid
Link4	Node4	Node7	27.0000	27.0000	28.3205	28.3204	Trapezoid
Link5	Node5	Node6	31.0000	29.0000	31.2212	29.1548	Circular
Link6	Node6	Node7	29.0000	27.0000	29.1548	28.3204	Trapezoid
Link7	Node7	Node8	28.0000	25.0000	28.3204	26.7535	Circular
Link9	Node9	Node10	24.0000	24.0000	26.0792	26.0792	Trapezoid
Link10	Node10	Node12	24.0000	24.0000	26.0792	26.0803	Trapezoid
Link12	Node12	Node 13	24.0000	24.0000	26.0803	26.0804	Trapezoid
Link13	Node14	Node 13	25.0000	24.0000	26.0802	26.0804	Circular
Link14	Node14	Node15	25.0000	25.0000	26.0802	26.0808	Trapezoid
Link15	Node15	Node19	25.0000	25.0000	26.0808	26.0800	Circular
Link19	Node19	Node20	26.0000	26.0000	26.0952	26.3881	Circular
Link16	Node16	Node17	26.0000	26.0000	26.4286	26.3578	Trapezoid
Link17	Node17	Node18	26.0000	26.0000	26.3578	26.2466	Circular
Link18	Node18	Node19	26.0000	26.0000	26.2466	26.0800	Trapezoid
Link11	Node11	Node12	25.5000	24.0000	26.3742	26.0803	Circular
Link20C	Node20C	Node30	25.0000	24.0000	26.1930	26.1852	Trapezoid
Link22	Node22	Node23	31.0000	29.0000	31.2043	29.3608	Trapezoid
Link23	Node23	Node24	29.0000	28.0000	29.3608	28.3868	Trapezoid
Link24	Node24	Node25	28.0000	25.0000	28.3868	26.7012	Trapezoid
Link25	Node25	Node27	25.0000	25.0000	26.7012	26.6818	Trapezoid
Link26	Node26	Node27	30.0000	25.0000	30.1729	26.6818	Trapezoid
Link27	Node27	Node30	25.0000	24.0000	26.6818	26.1852	Circular
Link30	Node30	Node31	24.0000	23.0000	26.1852	25.8624	Circular
Link31	Node31	Node32	23.0000	22.0000	25.8624	23.5626	Circular
Link34A	Node35	Node34A	19.0000	17.6900	22.0599	22.0963	Trapezoid
Link35	Node35	Node36	19.0000	19.0000	22.0599	22.0580	Trapezoid
Link37	Node37	Node39	24.0000	21.0000	25.0698	25.0539	Trapezoid
Link38	Node38	Node39	23.0000	21.0000	25.0550	25.0539	Trapezoid
Link39	Node39A	Node39	24.0000	21.0000	24.9921	25.0539	Circular
Link40	Node40	Node41	25.0000	23.0000	28.5788	28.4779	Circular
Link44	Node44	Node46	22.0000	21.0000	23.7071	23.0932	Trapezoid
Link45	Node45	Node46	23.0000	21.0000	23.9278	23.0932	Trapezoid
Link46	Node46	Node49	21.0000	21.0000	23.0932	22.2566	Circular
Link47	Node47	Node48	22.0000	22.0000	23.6587	23.6546	Trapezoid
Link48	Node48	Node49	22.0000	21.0000	23.6546	22.2566	Circular
Link49	Node49	Node51	21.0000	20.0000	22.2566	22.0180	Circular
Link50	Node50	Node51	22.0000	20.0000	22.4915	22.0180	Circular
Link51	Node51	Node61	20.0000	19.0000	22.0180	21.9910	Trapezoid
Link52	Node52	Node53	24.0000	24.0000	28.6191	28.6082	Circular
Link53	Node53	Node54	26.0000	26.0000	28.6082	28.6081	Trapezoid
Link54	Node54	Node55A	25.0000	23.0000	28.6081	25.1764	Circular
Link55D	Node55D	Node56	21.0000	20.0000	21.9137	21.9903	Circular
Link58	Node58	Node61	19.0000	19.0000	21.9914	21.9910	Trapezoid
Link59	Node59	Node60	22.0000	22.0000	23.7580	22.7822	Circular
Link60	Node60	Node61	22.0000	19.0000	22.7822	21.9910	Circular
Link63	Node63	Node64	19.0000	19.0000	21.8541	21.8201	Trapezoid
Link36	Node36	Node36A	19.0000	19.0000	22.0580	21.9642	Circular
Link64	Node64	Node65	19.0000	19.0000	21.8201	21.7613	Trapezoid
Link65	Node65	Node67	19.0000	19.0000	21.7613	21.7256	Trapezoid
Link67	Node67	125	18.0000	18.0000	21.7256	21.6369	Trapezoid
Link20A	Node20A	Node20C	26.0000	25.0000	26.3777	26.1930	Trapezoid
Link36A	Node36A	Node64	19.0000	19.0000	21.9642	21.8201	Trapezoid
Link57A	Node57A	Node57B	22.0000	22.0000	22.9242	22.7488	Circular
Link57B	Node57B	Node58	22.0000	19.0000	22.7488	21.9914	Circular
Link56	Node56	Node58	20.0000	19.0000	21.9903	21.9914	Circular
Link32A	Node32A	Node33	22.0000	22.0000	23.2369	23.1170	Trapezoid
Link32	Node32	Node33	22.0000	22.0000	23.5626	23.1170	Trapezoid
Link66B	Node66B	Node66C	20.0000	18.0000	22.6078	21.7260	Circular
Link66A	Node66A	Node66B	20.0000	20.0000	22.6288	22.6078	Trapezoid
Link66C	Node66C	Node67	18.0000	18.0000	21.7260	21.7256	Trapezoid
XS #1A	1	1A	21.1000	20.9000	25.8683	25.8430	Natural
XS #2	4	6	18.5300	18.4000	25.8314	25.6449	Natural
XS #3	6	63	18.4000	18.4000	25.6449	25.5733	Natural
XS #4	8	15	18.3000	18.2000	25.5424	25.5110	Natural
XS #5	17	19	18.1000	18.0000	22.8149	22.2470	Natural
XS #6	19	21	18.0000	17.9000	22.2470	22.0814	Natural
XS #7	23	25	17.5000	17.2000	21.7288	20.8065	Natural
XS #8	25	27	17.2000	15.6000	20.8065	20.3208	Natural

XS #9	New Pond	27	16.2000	15.6000	20.2484	20.3208	Natural
XS #10	32	34	15.5000	15.0000	20.0325	19.9550	Circular
STUB	34	36	15.3000	14.5000	19.9550	18.6826	Circular
FRONTAGE	36	38	14.3200	12.1000	18.6826	18.3025	Circular
HWY 17 S	38	41	11.9200	11.0000	18.3025	17.9859	Circular
HWY 17 N	41	45	10.9400	9.8900	17.9859	17.4565	Circular
PARKINGLOT	48	45	9.9000	9.1200	16.8064	17.4564	Circular
TO LAKE	Lk-Elzbth	48	9.8700	9.6100	15.2668	16.8064	Circular
61	56	55	22.5000	22.1000	28.2879	27.3699	Natural
62	55	1	22.1000	21.1000	27.3699	25.8683	Natural
XS #3a	63	8	18.4000	18.3000	25.5733	25.5424	Natural
XS MALLARD	64	63	20.4100	18.4000	25.5736	25.5733	Natural
80	78	68	21.5000	20.9600	24.3711	25.5703	Natural
8x4 Box	73b	Dgwood Lk	5.3000	5.0300	9.3579	8.9183	Rectangle
Clvt 10	44b	Dgwood Lk	6.2300	5.4200	8.1376	8.1452	Rectangle
Palmto Lk	44b	46b	6.2300	5.4600	8.1376	8.0793	Natural
Clvt 7	46b	48b	5.4600	5.1700	8.0793	7.9994	Circular
Chan A	48b	50b	5.5100	5.1700	7.9994	7.6990	Natural
Clvt 6	50b	52b	5.5100	5.3500	7.6990	7.5464	Circular
Chan B	52b	54b	5.3500	4.5200	7.5464	7.0680	Natural
Clvt 5	54b	56b	4.5200	4.3800	7.0680	6.9672	Circular
Chan C	Myrtle Lk	56b	4.5000	4.3800	6.2673	6.9672	Natural
Chan D	Holly Lk	63b	4.7500	4.3300	6.4861	6.3638	Trapezoid
Oak Clvt	63b	65b	4.3300	4.2400	6.3638	6.3161	Rectangle
Chan E	65b	Myrtle Lk	4.2400	4.2000	6.3161	6.2673	Trapezoid
Clvt2 Out	60b	69b	2.5700	2.5100	6.0973	6.0000	Rectangle
Clvt1 Out	71b	38b	3.4600	3.2300	7.4600	7.9421	Rectangle
Lined Ch	71b	Channel	3.4200	3.2600	6.8474	6.2997	Natural
Link20B	Node20B	Node20C	25.0000	25.0000	26.1931	26.1930	Trapezoid
Link20	Node20	Node20A	26.0000	26.0000	26.3881	26.3777	Trapezoid
Link33	Node33	Node33A	22.0000	21.0000	23.1170	22.1937	Circular
Link33A	Node33A	Node33B	21.0000	19.6000	22.1937	22.5397	Circular
Link33C	Node33C	Node33D	19.1700	18.5300	22.4746	22.4646	Trapezoid
Link33D	Node33D	Node33E	18.5300	18.2500	22.4646	22.3476	Circular
Link33E	Node33E	Node34A	18.2500	17.6900	22.3476	22.0963	Circular
Link33B	Node33B	Node33C	19.6000	19.1700	22.5397	22.4746	Circular
Link34	Node34	Node34A	21.0000	17.6900	22.0983	22.0963	Trapezoid
Link54B	Node54B	Node54	25.0000	25.0000	28.5791	28.6081	Trapezoid
Link54A	Node40	Node54B	25.0000	25.0000	28.5788	28.5791	Trapezoid
Link55A	Node55A	Node55B	23.0000	23.0000	25.1764	25.1620	Trapezoid
Link55B	Node55B	Node55C	23.0000	23.0000	25.1620	23.2436	Circular
Link55C	Node55C	Node55D	23.0000	21.0000	23.2436	21.9137	Trapezoid
Link43A	Node43B	Node43A	25.0000	24.0000	27.5212	27.5212	Trapezoid
Link42A	Node42A	Node43B	25.0000	25.0000	27.5486	27.5212	Trapezoid
Link42	Node42A	Node42	25.0000	24.0000	27.5486	27.6333	Trapezoid
Link43B	Node43B	Node43C	25.0000	24.5000	27.5212	27.4867	Trapezoid
Link43	Node43	Node43A	24.0000	24.0000	27.5213	27.5212	Trapezoid
Link43C	Node43C	Node43D	24.0000	24.0000	27.4867	26.2535	Circular
Link43D	Node43D	Node46	24.0000	22.0000	26.2535	23.5000	Circular
Link39A	Node39A	Node39B	24.0000	24.0000	24.9921	24.8344	Circular
Link39B	Node39B	Node45	24.0000	23.0000	24.8344	23.9278	Circular
XS #1B	1B	2	20.9000	20.7000	23.6621	23.5747	Natural
ToLake	1	53B	21.1000	20.9206	25.8683	26.0235	Natural
Link224	53A	Node215	24.0004	22.0000	26.2586	30.8670	Circular
Link225	Node214	53A	26.0000	24.0004	29.2113	27.0004	Circular
18"RCP	Ditch	36	20.0000	14.3200	20.9083	18.6826	Circular
36"Stub	Node219	Node217	17.5000	17.0600	18.3204	18.1083	Circular
18"RCP2	CB 2	38	15.0000	13.0000	18.3529	18.3025	Circular
18"RCP1	CB 1	38	15.0000	13.0000	18.3459	18.3025	Circular
12"RCP1	Node223	41	18.0000	15.0000	18.7624	17.9859	Circular
12"RCP2	Node224	41	18.0000	15.0000	18.7105	17.9859	Circular
24"RCP 1	Node225	Node220	16.0000	15.0000	18.3931	18.3679	Circular
Link62	Node62	Node63	19.0000	19.0000	21.9863	21.8541	Circular
Link61	Node61	Node62	19.0000	19.0000	21.9910	21.9863	Trapezoid
Link2	Node2	Node3	31.0000	27.0000	31.0634	28.3355	Trapezoid
Link3	Node3	Node4	27.0000	27.0000	28.3355	28.3205	Circular
Link66	Node66	Node66A	21.0000	20.0000	22.6304	22.6288	Trapezoid
Link69	123	27	18.0000	18.0000	21.5895	20.4442	Circular
24" RCP 2	Node220	CB 2	15.0000	15.0000	18.3679	18.3529	Circular
48" RCP	Node217	36	17.0600	14.3200	18.1083	18.6826	Circular
8.1	Node20	Node8	26.0000	25.0000	26.3881	26.7535	Circular
8.2	Node20	Node8	26.0000	25.0000	26.3881	26.7535	Circular
29.1	Node30	Node29	24.0000	23.0000	26.1852	26.1882	Circular
29.2	Node30	Node29	24.0000	23.0000	26.1852	26.1882	Circular
28.1	Node28	Node29	23.0000	23.0000	26.1962	26.1882	Circular
28.2	Node28	Node29	23.0000	23.0000	26.1962	26.1882	Circular
28.3	Node28	Node29	23.0000	23.0000	26.1962	26.1882	Circular

41.1	Node41	Node42	23.0000	22.0000	28.4779	27.6333	Circular
41.2	Node41	Node42	23.0000	22.0000	28.4779	27.6333	Circular
Spanish1	4	2	18.5300	18.4100	25.8314	23.5747	Circular
IndianDr1	15	17	18.2000	18.1000	25.5110	22.8149	Circular
2@42" RCP	21	23	17.9000	17.5000	22.0814	21.7288	Circular
2@24"	68	64	20.9600	20.4100	25.5703	25.5736	Circular
Seaweed.1	53B	53A	20.9206	20.9044	26.0235	26.1039	Circular
68.1	125	123	16.8200	16.7800	21.6369	21.5895	Circular
68.2	125	123	16.8200	16.7800	21.6369	21.5895	Circular
Screen.1	New Pond	32	15.5000	15.4900	20.2484	20.0325	Circ Orif

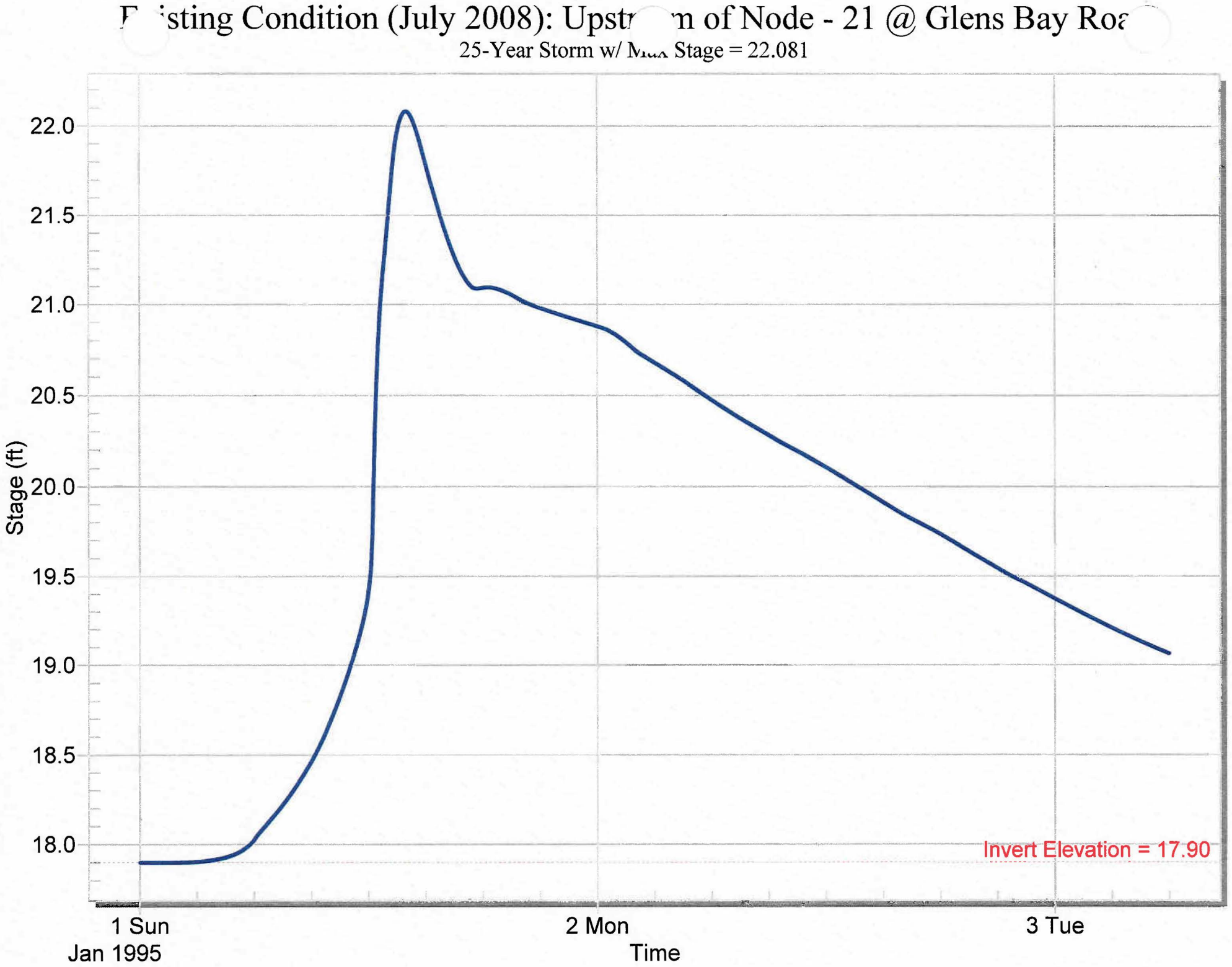
Table E20 - Junction Flooding and Volume Listing. The maximum volume is the total volume in the node including the volume in the flooded storage area. This is the max volume at any time. The volume in the flooded storage area is the total volume above the ground elevation, where the flooded pond storage area starts. The fourth column is instantaneous, the fifth is the sum of the flooded volume over the entire simulation. Units are either ft^3 or m^3 depending on the units.

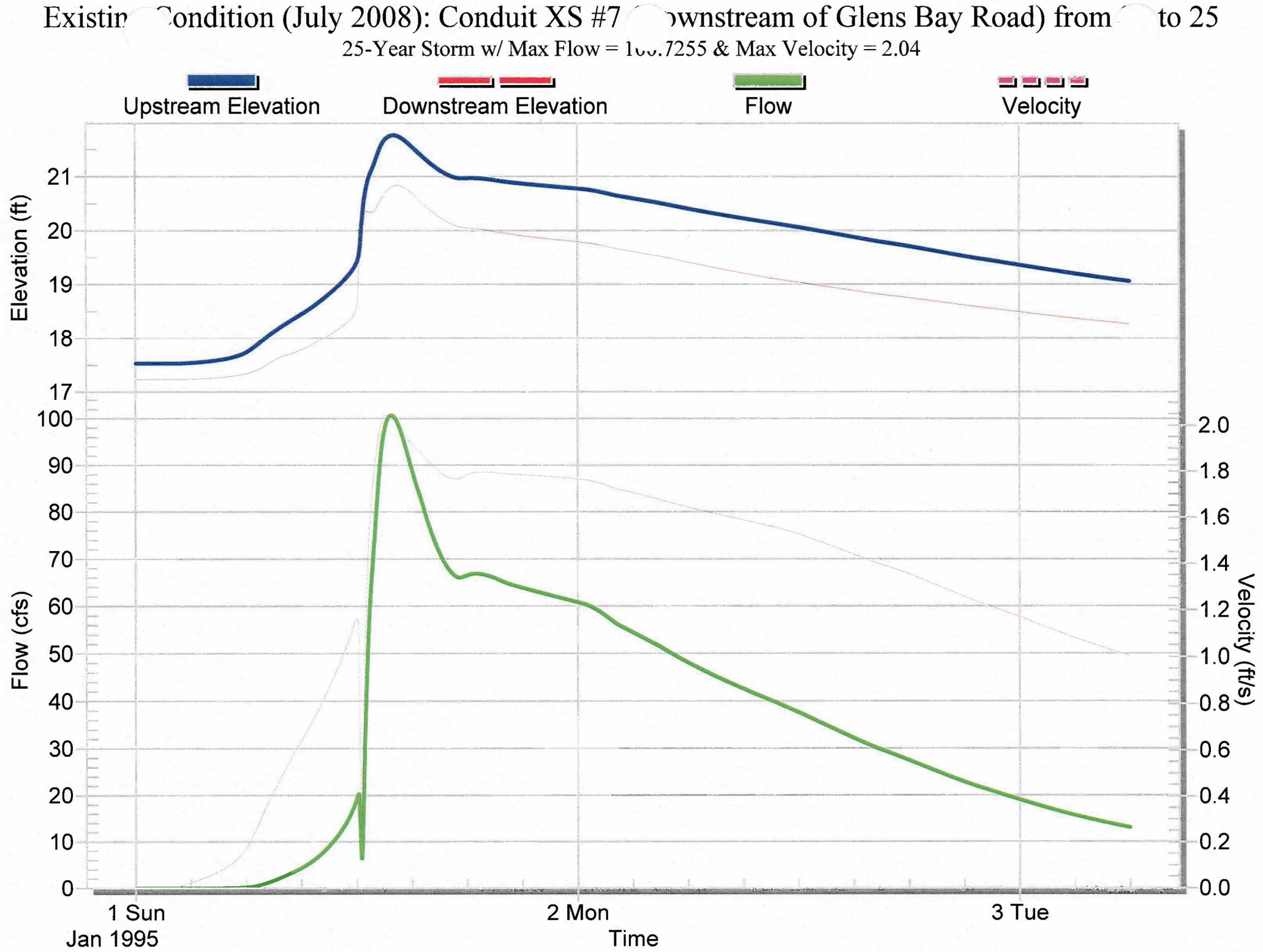
Junction Name	Surcharged Time (min)	Flooded Time(min)	Out of 1D-System (Flooded Volume)	Maximum Volume	Passed to 2D cell OR Volume Stored in allowed Flood Pond of 1D-System
Node1	0.0000	0.0000	0.0000	1566.3855	0.0000
Node2	0.0000	0.0000	0.0000	369.4029	0.0000
Node3	0.0000	0.0000	0.0000	16.7814	0.0000
Node4	0.0000	0.0000	0.0000	16.5940	0.0000
Node7	0.0000	0.0000	0.0000	16.5923	0.0000
Node5	0.0000	0.0000	0.0000	2.7795	0.0000
Node6	0.0000	0.0000	0.0000	1.9454	0.0000
Node8	292.3167	0.0000	0.0000	26150.8338	0.0000
Node20	0.0000	0.0000	0.0000	2462.2874	0.0000
Node9	1913.1417	0.0000	0.0000	36581.6049	0.0000
Node10	1913.3333	1913.4667	0.0000	437.3735	1661.8011
Node12	1913.5250	0.0000	0.0000	26127.2046	0.0000
Node14	0.0000	0.0000	0.0000	13.5743	0.0000
Node15	0.0000	0.0000	0.0000	13.5808	0.0000
Node19	0.0000	0.0000	0.0000	13.5708	0.0000
Node16	0.0000	0.0000	0.0000	5.3857	0.0000
Node17	0.0000	0.0000	0.0000	4.4959	0.0000
Node18	0.0000	0.0000	0.0000	3.0988	0.0000
Node11	0.0000	0.0000	0.0000	10.9855	0.0000
Node20B	286.1417	0.0000	0.0000	14.9921	0.0000
Node30	278.1250	0.0000	0.0000	8807.8217	0.0000
Node22	0.0000	0.0000	0.0000	2220.7337	0.0000
Node23	0.0000	0.0000	0.0000	4401.3784	0.0000
Node24	0.0000	0.0000	0.0000	1179.1007	0.0000
Node25	592.9250	0.0000	0.0000	30302.7125	0.0000
Node27	0.0000	0.0000	0.0000	110941.7459	0.0000
Node26	0.0000	0.0000	0.0000	2861.4940	0.0000
Node29	2491.0583	0.0000	0.0000	92266.3328	0.0000
Node28	2487.1000	0.0000	0.0000	44596.6448	0.0000
Node31	714.6917	0.0000	0.0000	40541.2816	0.0000
Node35	652.0083	652.1000	0.0000	9455.7652	17261.7280
Node34	0.0000	0.0000	0.0000	13.8018	0.0000
Node36	337.6750	105.3833	0.0000	336.2948	593.6757
Node37	61.9667	0.0000	0.0000	13.4431	0.0000
Node39	2511.8167	2501.5667	0.0000	9382.3533	21579.4571
Node38	56.6583	56.6917	0.0000	307.6776	672.6806
Node40	864.3250	0.0000	0.0000	22163.3177	0.0000
Node41	2463.0833	0.0000	0.0000	231231.4446	0.0000
Node42	2445.7750	0.0000	0.0000	56976.1980	0.0000
Node46	0.0000	0.0000	0.0000	26.3037	0.0000
Node43	2429.4333	0.0000	0.0000	42497.0525	0.0000
Node44	206.0500	0.0000	0.0000	21.4519	0.0000
Node49	0.0000	0.0000	0.0000	15.7910	0.0000
Node47	623.2083	0.0000	0.0000	37598.7727	0.0000
Node48	621.1833	0.0000	0.0000	20.7923	0.0000
Node51	0.0000	0.0000	0.0000	25.3587	0.0000
Node50	0.0000	0.0000	0.0000	5963.3055	0.0000
Node61	0.0000	0.0000	0.0000	37.5843	0.0000
Node52	2507.3417	0.0000	0.0000	8706.5346	0.0000
Node53	744.6250	0.0000	0.0000	39308.4608	0.0000
Node54	744.6083	0.0000	0.0000	35355.1926	0.0000
Node55D	0.0000	0.0000	0.0000	9095.6742	0.0000
Node56	0.0000	0.0000	0.0000	7453.4327	0.0000
Node58	0.0000	0.0000	0.0000	37.5905	0.0000
Node59	69.7167	0.0000	0.0000	10277.4690	0.0000
Node60	0.0000	0.0000	0.0000	6234.6530	0.0000
Node63	265.4583	0.0000	0.0000	35.8644	0.0000
Node64	534.3083	534.4083	0.2006	6378.8635	17730.6551

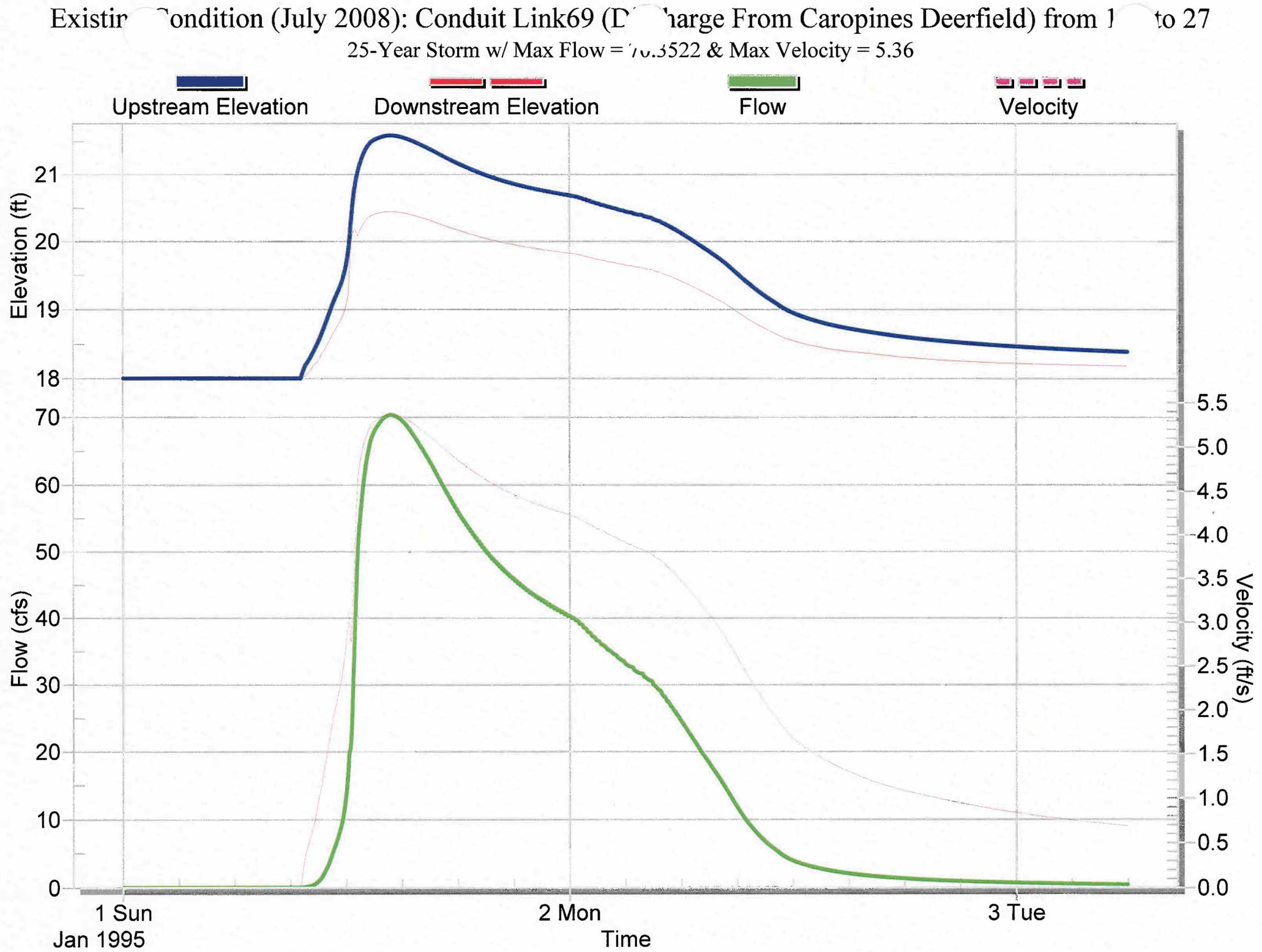
Node65	503.9167	0.0000	0.0000	34.6980	0.0000
Node67	0.0000	0.0000	0.0000	46.8163	0.0000
Node66	0.0000	0.0000	0.0000	14999.9984	0.0000
125	0.0000	0.0000	0.0000	77.1159	0.0000
Node36A	302.4000	0.0000	0.0000	37.2482	0.0000
Node57A	0.0000	0.0000	0.0000	3339.1404	0.0000
Node57B	0.0000	0.0000	0.0000	5345.5784	0.0000
Node32	841.5917	0.0000	0.0000	19.6359	0.0000
Node32A	59.1083	0.0000	0.0000	15.5435	0.0000
Node33	0.0000	0.0000	0.0000	14.0362	0.0000
Node66B	62.9750	0.0000	0.0000	32.7693	0.0000
Node66A	68.7750	0.0000	0.0000	33.0335	0.0000
Node66C	0.0000	0.0000	0.0000	46.8211	0.0000
2	0.0000	0.0000	0.0000	2489198.137	0.0000
4	195.3250	0.0000	0.0000	91.7489	0.0000
8	148.6500	0.0000	0.0000	91.0081	0.0000
15	155.4500	0.0000	0.0000	91.8704	0.0000
17	0.0000	0.0000	0.0000	59.2470	0.0000
19	0.0000	0.0000	0.0000	53.3679	0.0000
25	0.0000	0.0000	0.0000	45.3198	0.0000
New Pond	0.0000	0.0000	0.0000	120427.8885	0.0000
32	0.0000	0.0000	0.0000	57.0807	0.0000
34	0.0000	0.0000	0.0000	70.8093	0.0000
36	0.0000	0.0000	0.0000	54.8199	0.0000
38	10.3250	0.0000	0.0000	80.2025	0.0000
41	33.1333	0.0000	0.0000	88.5382	0.0000
45	52.8833	0.0000	0.0000	104.7565	0.0000
48	42.8667	0.0000	0.0000	90.5555	0.0000
52	2983.9167	0.0000	0.0000	1975846.186	0.0000
55	747.6750	747.7333	0.0000	24395.4753	105339.9658
56	141.2000	141.2250	0.0000	44313.8757	73404.8891
63	207.4333	46.8750	0.0000	1464.4158	3815.0741
64	97.8250	0.0000	0.0000	64.8854	0.0000
68	233.9250	0.0000	0.0000	286471.2906	0.0000
76	2558.4083	0.0000	0.0000	441537.6389	0.0000
78	150.9083	150.9333	0.0000	2277.9575	3964.1617
Lk-Elzbth	0.0000	0.0000	0.0000	1434876.423	0.0000
Dgwood Lk	0.0000	0.0000	0.0000	2564319.284	0.0000
44b	0.0000	0.0000	0.0000	23.9704	0.0000
46b	0.0000	0.0000	0.0000	32.9137	0.0000
48b	0.0000	0.0000	0.0000	35.5540	0.0000
50b	0.0000	0.0000	0.0000	31.7799	0.0000
52b	0.0000	0.0000	0.0000	27.5995	0.0000
54b	0.0000	0.0000	0.0000	32.0184	0.0000
56b	0.0000	0.0000	0.0000	32.5107	0.0000
Myrtle Lk	0.0000	0.0000	0.0000	116216.9175	0.0000
60b	0.0000	0.0000	0.0000	44.3240	0.0000
Holly Lk	0.0000	0.0000	0.0000	102446.6292	0.0000
63b	0.0000	0.0000	0.0000	25.5573	0.0000
65b	0.0000	0.0000	0.0000	26.0884	0.0000
69b	0.0000	0.0000	0.0000	43.8553	0.0000
71b	0.0000	0.0000	0.0000	43.0684	0.0000
73b	44.9500	0.0000	0.0000	50.9921	0.0000
38b	202.1000	0.0000	0.0000	59.2126	0.0000
Channel	0.0000	0.0000	0.0000	38.1964	0.0000
Node20C	286.1417	286.1917	0.0000	1077.2173	1858.1697
Node20A	0.0000	0.0000	0.0000	4.7460	0.0000
Node33A	0.0000	0.0000	0.0000	14.9996	0.0000
Node33B	245.3583	0.0000	0.0000	36.9403	0.0000
Node33E	895.1417	0.0000	0.0000	51.4908	0.0000
Node33D	430.8083	0.0000	0.0000	49.4423	0.0000
Node34A	1127.8000	666.9000	0.0000	10006.7290	26998.5333
Node33C	202.1167	0.0000	0.0000	41.5250	0.0000
Node54B	975.9250	348.8667	0.0000	3959.6156	8488.4744
Node55A	864.3167	452.9917	0.0000	989.5074	1243.4979
Node55B	860.9083	433.6750	0.0000	904.6938	1142.3168
Node55C	0.0000	0.0000	0.0000	3.0616	0.0000
Node42A	880.0500	725.6333	0.0000	9286.7553	13830.7030
Node43A	2429.6417	1038.5250	0.0000	32757.3367	40279.6513
Node43B	874.7167	874.7333	0.0000	17901.2067	25452.8239
Node43C	1019.3833	868.7167	0.0000	17137.8071	22685.2853
Node43D	709.1750	416.4500	0.0000	1467.5495	1700.6007
Node39A	0.0000	0.0000	0.0000	25.0323	0.0000
Node39B	0.0000	0.0000	0.0000	10.4847	0.0000
1B	0.0000	0.0000	0.0000	34.7085	0.0000
1A	210.3750	0.0000	0.0000	502068.0553	0.0000
53A	0.0000	0.0000	0.0000	742862.5192	0.0000

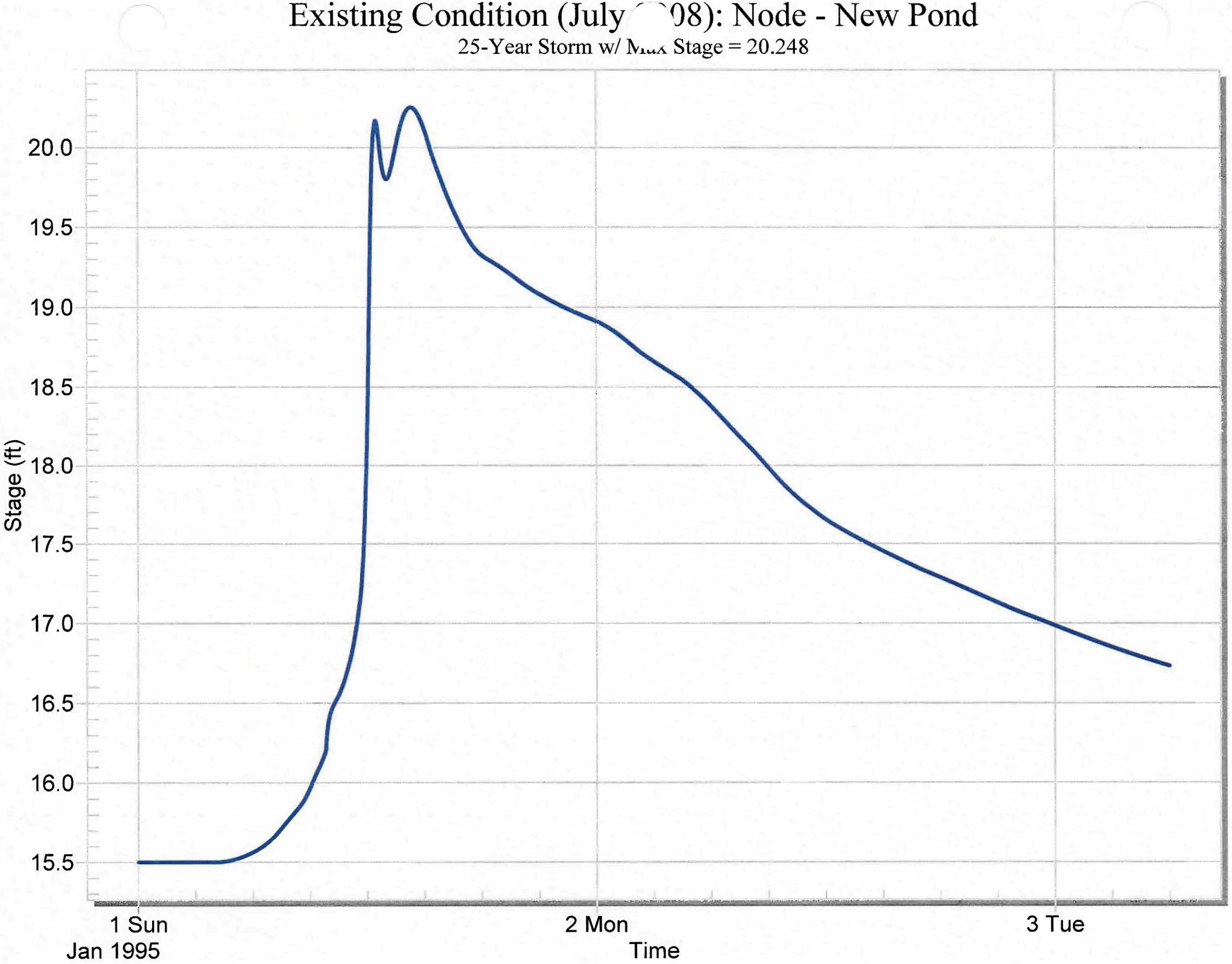
53B	2488.7000	1361.9750	0.0000	10114.6086	28485.4324
Node214	12.7083	0.0000	0.0000	50418.9613	0.0000
Node215	2519.6500	0.0000	0.0000	82175.3538	0.0000
Ditch	0.0000	0.0000	0.0000	11.4139	0.0000
Node217	0.0000	0.0000	0.0000	13.1735	0.0000
Node219	0.0000	0.0000	0.0000	10.3089	0.0000
Node220	36.9417	0.0000	0.0000	42.3210	0.0000
CB 2	36.7083	0.0000	0.0000	42.1326	0.0000
CB 1	45.7917	0.0000	0.0000	42.0443	0.0000
Node223	0.0000	0.0000	0.0000	9.5807	0.0000
Node224	0.0000	0.0000	0.0000	8.9285	0.0000
Node225	16.8583	0.0000	0.0000	30.0720	0.0000
Node 13	2349.8083	0.0000	0.0000	26.1423	0.0000
Node45	0.0000	0.0000	0.0000	11.6593	0.0000
Node62	0.0000	0.0000	0.0000	37.5257	0.0000
1	0.0000	0.0000	0.0000	59.9180	0.0000
123	0.0000	0.0000	0.0000	79.0344	0.0000
6	206.7333	0.0000	0.0000	91.0392	0.0000
21	0.0000	0.0000	0.0000	864.9410	0.0000
23	0.0000	0.0000	0.0000	53.1389	0.0000
27	0.0000	0.0000	0.0000	53358.7060	0.0000

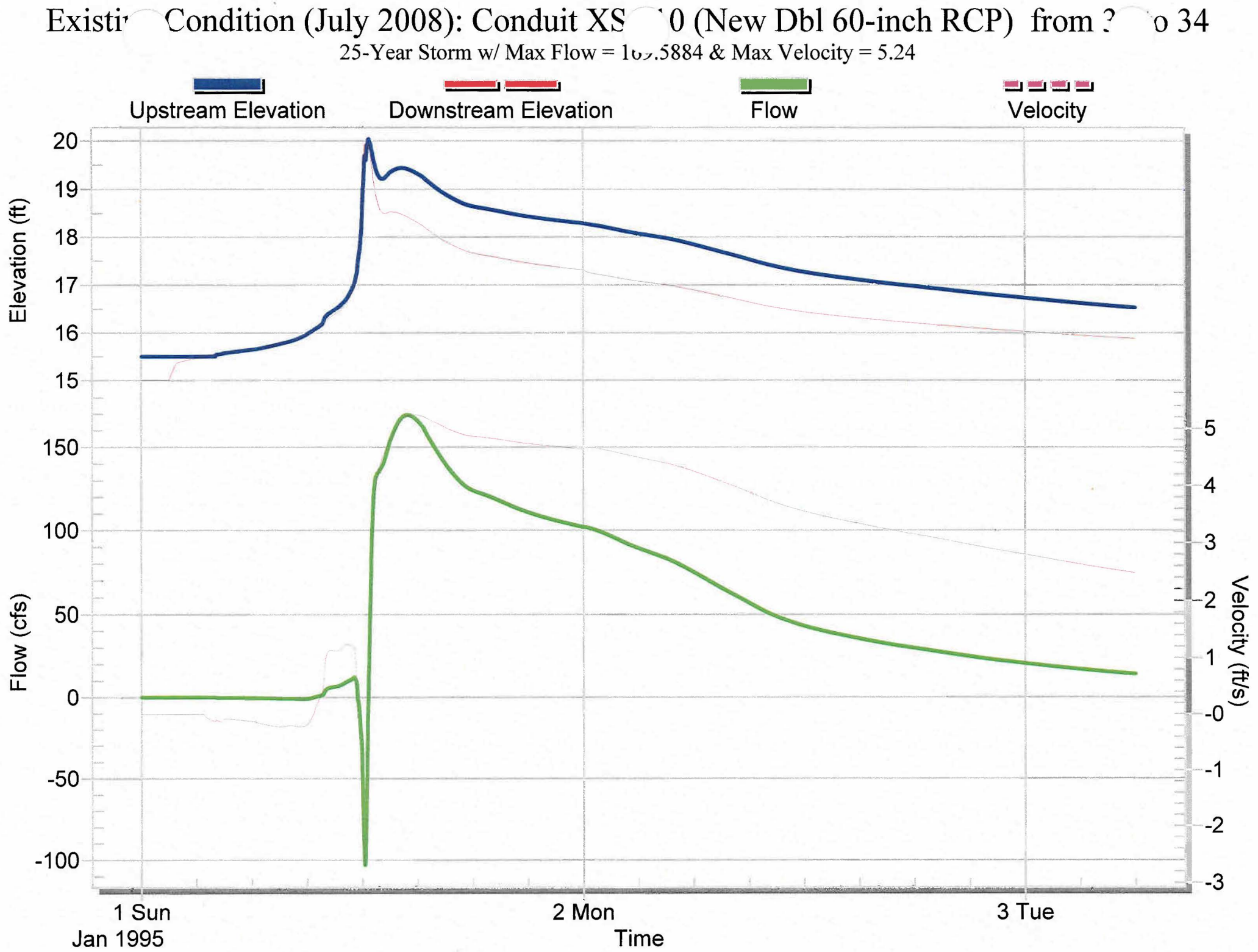
```
##################################################
# Table E22. Numerical Model judgement section   #
##################################################

Overall error was (minimum of Table E18 & E21)              0.8375 percent
Worst nodal error was in node 52               with         3.8753 percent
Of the total inflow this loss was                           0.5475 percent
Your overall continuity error was                 Excellent
                                                 Excellent Efficiency
Efficiency of the simulation                       1.41
Most Number of Non Convergences at one Node      1606.
Total Number Non Convergences at all Nodes       1617.
Total Number of Nodes with Non Convergences         4.

 ===> Hydraulic model simulation ended normally.
 ===> XP-SWMM Simulation ended normally.
 ===> Your input file was named  : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year - New Pond and 60-
inRCP.DAT
 ===> Your output file was named : Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year - New Pond and 60-
inRCP.out

 *============================================================*
 |             SWMM Simulation Date and Time Summary          |
 *============================================================*
 | Starting Date... July       22, 2008  Time...   12:12:40:98  |
 |   Ending Date... July       22, 2008  Time...   12:32: 2:90  |
 |  Elapsed Time...   19.36533 minutes or   1161.92000 seconds  |
 *============================================================*
```

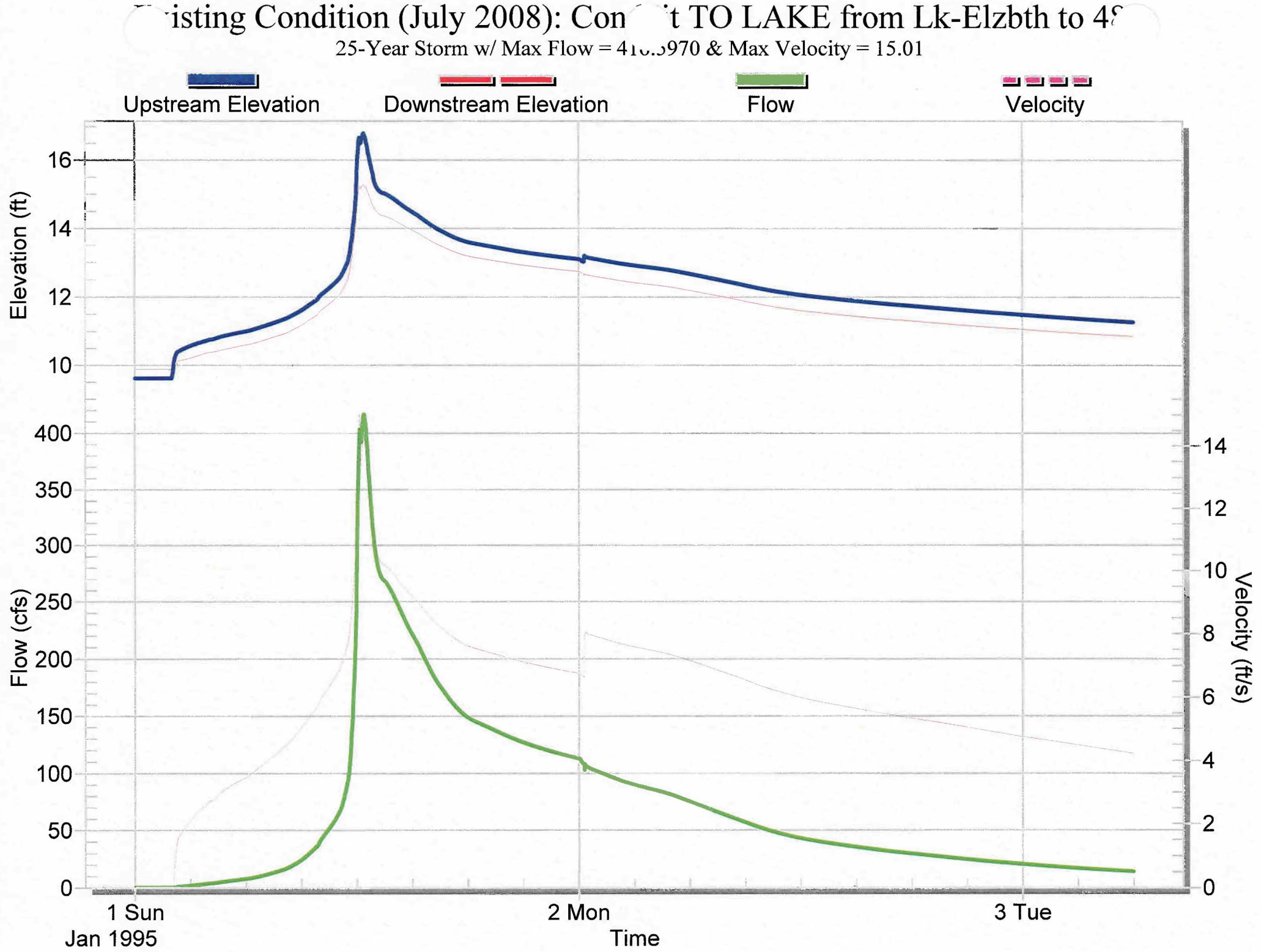

Existing Condition (July 2008): Upstream of Node - 21 @ Glens Bay Road
25-Year Storm w/ Max Stage = 22.081
22.0
21.5
21.0
20.5
20.0
19.5
19.0
18.5
18.0
Stage (ft)
Invert Elevation = 17.90
1 Sun
Jan 1995
2 Mon
3 Tue
Time

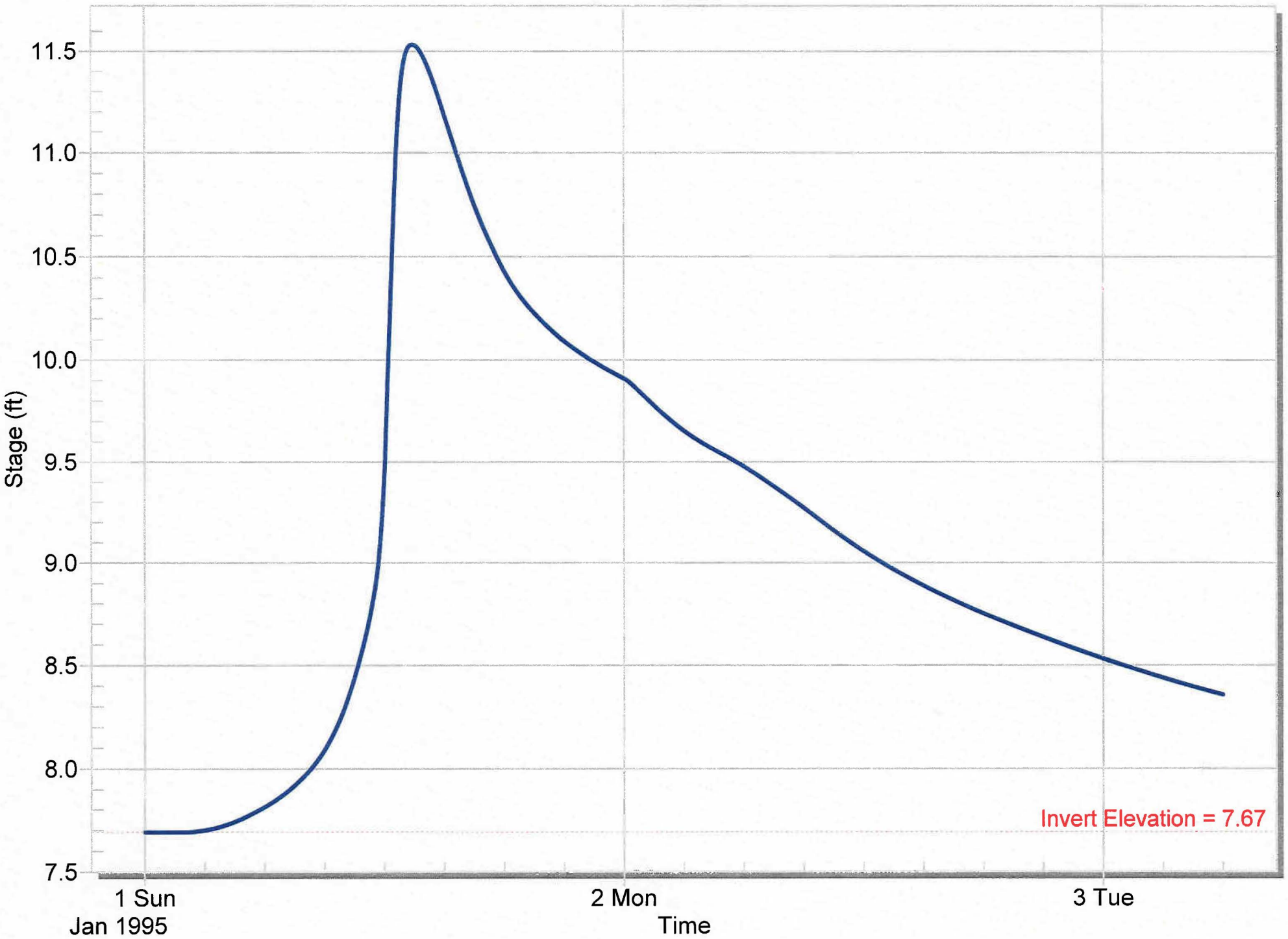

Existin Condition (July 2008): Conduit XS #7 ownstream of Glens Bay Road) from to 25
25-Year Storm w/ Max Flow = 100.7255 & Max Velocity = 2.04
Upstream Elevation
Downstream Elevation
Flow
Velocity
Elevation (ft)
21
20
19
18
17
Flow (cfs)
100
90
80
70
60
50
40
30
20
10
0
Velocity (ft/s)
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1 Sun
Jan 1995
2 Mon
3 Tue
Time


Existir ondition (July 2008): Conduit Link69 (D harge From Caropines Deerfield) from 1 to 27
25-Year Storm w/ Max Flow = 70.3522 & Max Velocity = 5.36
Upstream Elevation
Downstream Elevation
Flow
Velocity
Elevation (ft)
21
20
19
18
70
60
50
40
30
20
10
0
Flow (cfs)
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Velocity (ft/s)
1 Sun
Jan 1995
2 Mon
3 Tue
Time


Existing Condition (July 08): Node - New Pond
25-Year Storm w/ Max Stage = 20.248
20.0
19.5
19.0
18.5
18.0
17.5
17.0
16.5
16.0
15.5
Stage (ft)
1 Sun
Jan 1995
2 Mon
3 Tue
Time


Existi Condition (July 2008): Conduit XS 0 (New Dbl 60-inch RCP) from ? o 34
25-Year Storm w/ Max Flow = 169.5884 & Max Velocity = 5.24
Upstream Elevation
Downstream Elevation
Flow
Velocity
Elevation (ft)
20
19
18
17
16
15
Flow (cfs)
150
100
50
0
-50
-100
Velocity (ft/s)
5
4
3
2
1
-0
-1
-2
-3
1 Sun
Jan 1995
2 Mon
3 Tue
Time


isting Condition (July 2008): Con t TO LAKE from Lk-Elzbth to 4
25-Year Storm w/ Max Flow = 41
970 & Max Velocity = 15.01
Upstream Elevation
Downstream Elevation
Flow
Velocity
Elevation (ft)
16
14
12
10
Flow (cfs)
400
350
300
250
200
150
100
50
0
Velocity (ft/s)
14
12
10
8
6
4
2
0
1 Sun
Jan 1995
2 Mon
3 Tue
Time


Existing Condition (July 08): Node - Lk-Elzbth
25-Year Storm w/ Max Stage = 11.510
11.5
11.0
10.5
10.0
9.5
9.0
8.5
8.0
7.5
Stage (ft)
Invert Elevation = 7.67
1 Sun
Jan 1995
2 Mon
3 Tue
Time

Caropines Deerfield (Existing Condition Model – October 2007) – With New Pond and Double 60-inch RCP.

100-Year Return Period Storm (100 Yr – 24 Hour Precipitation = 9.7 inches)

```
 Current Directory:   C:\XPS-VE~1.6
 Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE
 Input File : pines-Deerfield\XP-SWMM\Final\100 Year - New Pond and 60-inRCP.XP

          *=============================================*
          |                  xpswmm                     |
          |     Storm and Wastewater Management Model   |
          |       Interface Version: 10.61              |
          |          Engine Version: 10.6.1.0           |
          |=============================================|
          |                                             |
          |                 Developed by                |
          |                                             |
          |                 XP Software                 |
          |                                             |
          |=============================================|
          |      XP Software          April, 2008       |
          |       Data File Version --->    12.0        |
          |       Serial Number: 42-1060-2154           |
          |                The LPA Group                |
          *=============================================*

Engine Name: C:\XPS-VE~1.6\SWMMEN~1.EXE


*=================================================*
|       Input and Output file names by Layer      |
*=================================================*

 Input File  to Layer #     1 JIN.US
 Output File to Layer #     1 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
 Input File  to Layer #     2 Y:\Hydrology\Caropines-Deerfield\XP-SWMM\Final\25 Year.xp
 Output File to Layer #     2 JOT.US
```

Table E1 - Conduit Data

Inp Num	Conduit Name	Length (ft)	Conduit Class	Area (ft^2)	Manning Coef.	Max Width (ft)	Depth (ft)	Trapezoid Side Slopes	
1	Link1	65.9500	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
2	Link4	62.9800	Trapezoid	90.0000	0.0350	15.0000	3.0000	5.0000	5.0000
3	Link5	76.3200	Circular	1.7671	0.0120	1.5000	1.5000		
4	Link6	84.0400	Trapezoid	16.0000	0.0350	3.0000	2.0000	2.5000	2.5000
5	Link7	98.0500	Circular	1.7671	0.0120	1.5000	1.5000		
6	Link9	28.7000	Trapezoid	14.0000	0.0350	5.0000	2.0000	1.0000	1.0000
7	Link10	486.3000	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
8	Link12	21.7000	Trapezoid	2.0000	0.0350	1.0000	1.0000	1.0000	1.0000
9	Link13	18.7000	Circular	1.7671	0.0120	1.5000	1.5000		
10	Link14	86.2400	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
11	Link15	47.4700	Circular	1.7671	0.0120	1.5000	1.5000		
12	Link19	25.9000	Circular	1.7671	0.0270	1.5000	1.5000		
13	Link16	130.8000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
14	Link17	13.3300	Circular	1.7671	0.0120	1.5000	1.5000		
15	Link18	95.5000	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
16	Link11	53.9000	Circular	1.7671	0.0120	1.5000	1.5000		
17	Link20C	332.6900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
18	Link22	83.4000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
19	Link23	107.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
20	Link24	144.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
21	Link25	17.5000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
22	Link26	50.0100	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
23	Link27	352.0000	Circular	3.1416	0.0120	2.0000	2.0000		
24	Link30	162.3900	Circular	3.1416	0.0120	2.0000	2.0000		
25	Link31	20.9400	Circular	1.2272	0.0240	1.2500	1.2500		
26	Link34A	142.1600	Trapezoid	30.7500	0.0350	7.0000	1.5000	9.0000	9.0000
27	Link35	89.9000	Trapezoid	88.0000	0.0350	20.0000	2.0000	12.0000	12.0000
28	Link37	357.0100	Trapezoid	18.0000	0.0350	3.0000	1.0000	15.0000	15.0000
29	Link38	310.9000	Trapezoid	36.6800	0.0350	5.0000	2.0000	6.6700	6.6700
30	Link39	179.7000	Circular	4.9087	0.0120	2.5000	2.5000		
31	Link40	25.0000	Circular	1.7671	0.0120	1.5000	1.5000		
32	Link44	295.4000	Trapezoid	4.0000	0.0350	3.0000	1.0000	1.0000	1.0000
33	Link45	321.8000	Trapezoid	5.0000	0.0350	4.0000	1.0000	1.0000	1.0000
34	Link46	207.0100	Circular	4.9087	0.0120	2.5000	2.5000		
35	Link47	115.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
36	Link48	61.6400	Circular	0.1963	0.0090	0.5000	0.5000		
37	Link49	27.0000	Circular	4.9087	0.0120	2.5000	2.5000		
38	Link50	67.6000	Circular	1.2272	0.0280	1.2500	1.2500		
39	Link51	401.0300	Trapezoid	184.0000	0.0350	6.0000	4.0000	10.0000	10.0000
40	Link52	42.3000	Circular	1.2272	0.0280	1.2500	1.2500		
41	Link53	88.8000	Trapezoid	26.0000	0.0350	25.0000	1.0000	1.0000	1.0000
42	Link54	356.7000	Circular	1.7671	0.0280	1.5000	1.5000		
43	Link55D	54.0300	Circular	4.9087	0.0120	2.5000	2.5000		
44	Link58	430.3600	Trapezoid	208.0000	0.0350	16.0000	4.0000	9.0000	9.0000
45	Link59	50.2000	Circular	1.2272	0.0280	1.2500	1.2500		
46	Link60	35.0200	Circular	1.2272	0.0280	1.2500	1.2500		
47	Link63	238.2000	Trapezoid	58.0000	0.0350	15.0000	2.0000	7.0000	7.0000
48	Link36	50.6500	Circular	4.9087	0.0120	2.5000	2.5000		
49	Link64	110.0000	Trapezoid	44.0000	0.0350	15.0000	2.0000	3.5000	3.5000
50	Link65	227.5600	Trapezoid	94.0000	0.0350	17.0000	2.0000	15.0000	15.0000
51	Link67	112.4000	Trapezoid	40.0000	0.0350	6.0000	4.0000	1.0000	1.0000
52	Link20A	199.9000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
53	Link36A	66.5000	Trapezoid	13.0000	0.0350	8.0000	1.0000	5.0000	5.0000
54	Link57A	40.5400	Circular	1.2272	0.0280	1.2500	1.2500		
55	Link57B	54.8100	Circular	1.2272	0.0280	1.2500	1.2500		
56	Link56	87.9200	Circular	4.9087	0.0120	2.5000	2.5000		
57	Link32A	251.5700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
58	Link32	244.6700	Trapezoid	7.0000	0.0350	6.0000	1.0000	1.0000	1.0000
59	Link66B	190.6000	Circular	1.7671	0.0120	1.5000	1.5000		
60	Link66A	654.5200	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
61	Link66C	435.0600	Trapezoid	129.6000	0.0350	10.0000	4.0000	5.6000	5.6000
62	XS #1A	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
63	XS #2	431.0000	Natural	89.7060	0.0300	46.3900	4.9500		
64	XS #3	191.0000	Natural	81.1062	0.0300	45.0300	4.9300		
65	XS #4	130.0000	Natural	99.8750	0.0300	57.7600	5.6200		
66	XS #5	1089.0000	Natural	130.1118	0.0300	44.4000	7.2000		
67	XS #6	586.0000	Natural	161.1250	0.0300	60.6000	6.3400		
68	XS #7	1608.0000	Natural	181.5410	0.0300	41.0700	9.1100		
69	XS #8	761.0000	Natural	172.3457	0.0300	51.3000	8.7700		

70	XS #9	75.0000	Natural	124.1935	0.0300	37.8100	6.9000		
71	XS #10	550.0000	Circular	19.6350	0.0130	5.0000	5.0000		
72	STUB	4.0000	Circular	28.2743	0.0130	6.0000	6.0000		
73	FRONTAGE	50.0000	Circular	28.2743	0.0130	6.0000	6.0000		
74	HWY 17 S	60.0000	Circular	28.2743	0.0130	6.0000	6.0000		
75	HWY 17 N	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
76	PARKINGLOT	68.0000	Circular	28.2743	0.0130	6.0000	6.0000		
77	TO LAKE	172.0000	Circular	28.2743	0.0130	6.0000	6.0000		
78	61	350.0000	Natural	49.5000	0.0300	50.0000	3.5000		
79	62	1300.0000	Natural	49.2000	0.0350	50.0000	3.3000		
80	XS #3a	66.0000	Natural	87.0000	0.0300	67.0000	4.9000		
81	XS MALLARD	158.0000	Natural	40.3050	0.0300	25.0000	4.2000		
82	80	150.0000	Natural	18.0000	0.0300	39.0000	2.5000		
83	8x4 Box	68.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
84	Clvt 10	42.0000	Rectangle	40.5000	0.0150	13.5000	3.0000		
85	Palmto Lk	700.0000	Natural	172.0000	0.0500	56.0000	4.5000		
86	Clvt 7	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
87	Chan A	270.0000	Natural	54.5525	0.0500	23.9500	4.9000		
88	Clvt 6	41.0000	Circular	12.5664	0.0130	4.0000	4.0000		
89	Chan B	210.0000	Natural	58.3500	0.0500	20.0000	5.3000		
90	Clvt 5	42.0000	Circular	12.5664	0.0130	4.0000	4.0000		
91	Chan C	400.0000	Natural	43.5000	0.0500	28.0000	4.0000		
92	Chan D	150.0000	Trapezoid	81.2500	0.0350	25.0000	3.2500	0.0000	0.0000
93	Oak Clvt	35.0000	Rectangle	24.0000	0.0130	8.0000	3.0000		
94	Chan E	150.0000	Trapezoid	106.1900	0.0300	25.0000	3.7000	1.0000	1.0000
95	Clvt2 Out	40.0000	Rectangle	32.0000	0.0130	8.0000	4.0000		
96	Clvt1 Out	42.0000	Rectangle	28.0000	0.0130	7.0000	4.0000		
97	Lined Ch	75.0000	Natural	92.2250	0.0250	33.6000	4.3600		
98	Link20B	49.0900	Trapezoid	11.0000	0.0350	10.0000	1.0000	1.0000	1.0000
99	Link20	5.0000	Trapezoid	6.0000	0.0350	5.0000	1.0000	1.0000	1.0000
100	Link33	128.5700	Circular	4.9087	0.0120	2.5000	2.5000		
101	Link33A	54.2500	Circular	4.9087	0.0120	2.5000	2.5000		
102	Link33C	351.0900	Trapezoid	60.0000	0.0350	5.0000	3.0000	5.0000	5.0000
103	Link33D	64.2600	Circular	4.9087	0.0120	2.5000	2.5000		
104	Link33E	153.1800	Circular	4.9087	0.0120	2.5000	2.5000		
105	Link33B	75.6500	Circular	4.9087	0.0120	2.5000	2.5000		
106	Link34	440.8000	Trapezoid	54.0000	0.0350	7.0000	2.0000	10.0000	10.0000
107	Link54B	602.9000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
108	Link54A	5.0000	Trapezoid	21.0000	0.0350	20.0000	1.0000	1.0000	1.0000
109	Link55A	66.3400	Trapezoid	10.0000	0.0350	5.0000	1.0000	5.0000	5.0000
110	Link55B	96.7000	Circular	1.7671	0.0280	1.5000	1.5000		
111	Link55C	144.9500	Trapezoid	24.0000	0.0350	10.0000	2.0000	1.0000	1.0000
112	Link43A	41.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
113	Link42A	48.5000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
114	Link42	139.7000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
115	Link43B	96.9000	Trapezoid	25.0000	0.0350	20.0000	1.0000	5.0000	5.0000
116	Link43	79.2000	Trapezoid	20.0000	0.0350	15.0000	1.0000	5.0000	5.0000
117	Link43C	52.0000	Circular	1.7671	0.0120	1.5000	1.5000		
118	Link43D	114.6000	Circular	1.7671	0.0120	1.5000	1.5000		
119	Link39A	53.8000	Circular	4.9087	0.0120	2.5000	2.5000		
120	Link39B	116.5000	Circular	4.9087	0.0120	2.5000	2.5000		
121	XS #1B	275.0000	Natural	100.6721	0.0350	50.0000	4.9100		
122	ToLake	534.4790	Natural	52.6000	0.0300	50.0000	3.4000		
123	Link224	83.8200	Circular	4.9087	0.0270	2.5000	2.5000		
124	Link225	65.1595	Circular	7.0686	0.0110	3.0000	3.0000		
125	18"RCP	9.0000	Circular	1.7671	0.0120	1.5000	1.5000		
126	36"Stub	8.0000	Circular	7.0686	0.0120	3.0000	3.0000		
127	18"RCP2	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
128	18"RCP1	15.0000	Circular	1.7671	0.0120	1.5000	1.5000		
129	12"RCP1	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
130	12"RCP2	15.0000	Circular	0.7854	0.0120	1.0000	1.0000		
131	24"RCP 1	25.0000	Circular	3.1416	0.0120	2.0000	2.0000		
132	Link62	24.2000	Circular	4.9087	0.0120	2.5000	2.5000		
133	Link61	176.3000	Trapezoid	172.0000	0.0350	15.0000	4.0000	7.0000	7.0000
134	Link2	65.0700	Trapezoid	33.7500	0.0350	15.0000	1.5000	5.0000	5.0000
135	Link3	73.3400	Circular	1.7671	0.0120	1.5000	1.5000		
136	Link66	111.7000	Trapezoid	27.5000	0.0350	2.0000	2.5000	3.6000	3.6000
137	Link69	153.2000	Circular	15.9043	0.0240	4.5000	4.5000		
138	24" RCP 2	20.0000	Circular	3.1416	0.0120	2.0000	2.0000		
139	48" RCP	72.0000	Circular	12.5664	0.0120	4.0000	4.0000		
140	8.1	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
141	8.2	45.7100	Circular	0.3494	0.0110	0.6670	0.6670		
142	29.1	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
143	29.2	17.7400	Circular	0.7854	0.0120	1.0000	1.0000		
144	28.1	44.9100	Circular	0.3494	0.0110	0.6670	0.6670		
145	28.2	38.7400	Circular	0.3494	0.0110	0.6670	0.6670		
146	28.3	41.2000	Circular	0.1963	0.0110	0.5000	0.5000		

147	41.1	50.2300	Circular	1.7671	0.0120	1.5000	1.5000
148	41.2	50.2300	Circular	1.7671	0.0240	1.5000	1.5000
149	Spanish1	45.0000	Circular	4.9087	0.0120	2.5000	2.5000
150	IndianDr1	42.0000	Circular	7.0686	0.0130	3.0000	3.0000
151	2@42" RCP	64.0000	Circular	9.6211	0.0130	3.5000	3.5000
152	2@24"	40.0000	Circular	3.1416	0.0130	2.0000	2.0000
153	Seaweed.1	48.4149	Circular	4.9087	0.0120	2.5000	2.5000
154	68.1	52.4000	Circular	12.5664	0.0120	4.0000	4.0000
155	68.2	52.4000	Circular	7.0686	0.0120	3.0000	3.0000

Total length of all conduits .... 25171.4434 feet

Table E15 - SPREADSHEET INFO LIST

Conduit Flow and Junction Depth Information for use in spreadsheets. The maximum values in this table are the true maximum values because they sample every time step. The values in the review results may only be the maximum of a subset of all the time steps in the run. Note: These flows are only the flows in a single barrel.

Conduit Name	Maximum Flow (cfs)	Total Flow (ft^3)	Maximum Velocity (ft/s)	Maximum Volume (ft^3)	##	Junction Name	Invert Elevation (ft)	Maximum Elevation (ft)
Link1	3.0020	43182.6022	1.4817	9.6626	##	Node1	32.0000	32.2099
Link4	3.4999	53500.3217	0.1017	2169.7806	##	Node2	31.0000	31.0964
Link5	1.4218	8884.5090	5.7327	1.8327	##	Node3	27.0000	28.5886
Link6	1.7656	10634.8524	1.4012	268.2342	##	Node4	27.0000	28.5235
Link7	3.9477	63267.7880	6.2290	115.3251	##	Node7	27.0000	28.5232
Link9	-1.4262	18386.1426	-0.1785	401.8000	##	Node5	31.0000	31.3043
Link10	3.2711	37387.8032	0.2807	11671.2000	##	Node6	29.0000	29.2271
Link12	-3.2948	26288.3693	-2.0686	43.4000	##	Node8	25.0000	27.6178
Link13	3.3098	-26296.6089	7.8209	33.2966	##	Node20	26.0000	27.2832
Link14	-3.1309	33186.6541	-0.7966	431.2000	##	Node9	24.0000	27.2929
Link15	-3.1596	32915.5634	-2.4460	87.9401	##	Node10	24.0000	27.2929
Link19	-3.2375	43399.2026	-2.6044	41.7014	##	Node12	24.0000	27.2926
Link16	1.5968	6958.9660	0.5797	784.8000	##	Node14	25.0000	27.2890
Link17	1.5770	6887.5753	4.0377	21.4865	##	Node15	25.0000	27.2877
Link18	1.7606	10584.9360	0.6199	1050.5000	##	Node19	25.0000	27.2862
Link11	-3.6197	7696.2007	4.5856	96.2695	##	Node16	26.0000	27.2863
Link20C	11.4454	231122.8162	1.5319	3659.5900	##	Node17	26.0000	27.2863
Link22	4.2905	58293.3361	2.5293	50.1329	##	Node18	26.0000	27.2862
Link23	7.2131	106760.3139	2.3508	240.0680	##	Node11	25.5000	27.2926
Link24	11.0593	165214.8105	2.9132	801.1669	##	Node20B	25.0000	27.2691
Link25	11.9410	252988.8899	1.9901	105.0000	##	Node30	24.0000	27.2659
Link26	9.1796	68285.3395	4.9763	147.7391	##	Node22	31.0000	31.2960
Link27	14.2806	619594.4573	4.8592	1158.8715	##	Node23	29.0000	29.5407
Link30	12.3492	1003765.899	4.6911	513.2013	##	Node24	28.0000	28.6658
Link31	13.3984	1142738.865	10.7881	26.4988	##	Node25	25.0000	28.0724
Link34A	-26.2988	-1735512.69	-0.8552	4371.4200	##	Node27	25.0000	28.0536
Link35	26.2383	1813312.383	0.2982	7911.2000	##	Node26	30.0000	30.2637
Link37	7.4619	80315.0701	0.7770	6426.1800	##	Node29	23.0000	27.2703
Link38	6.4010	69855.9031	0.3747	11403.8120	##	Node28	23.0000	27.2816
Link39	-9.2442	-125635.284	2.6345	812.7998	##	Node31	23.0000	26.8709
Link40	27.2067	532174.2496	18.5251	45.3249	##	Node35	19.0000	22.9162
Link44	8.6388	77850.2136	2.1597	1181.6000	##	Node34	21.0000	22.9594
Link45	13.2030	211299.0218	2.6406	1609.0000	##	Node36	19.0000	22.9139
Link46	29.1792	2031360.631	5.8279	936.1871	##	Node37	24.0000	25.4720
Link47	2.2136	108400.7421	0.3871	690.0000	##	Node39	21.0000	25.4429
Link48	1.4819	108439.0823	7.3934	12.3143	##	Node38	23.0000	25.4447
Link49	30.6248	2150553.154	12.4532	129.2591	##	Node40	25.0000	30.7890
Link50	1.4325	36684.5200	2.2863	82.8434	##	Node41	23.0000	30.6136
Link51	42.8879	2232243.181	0.9350	55636.9385	##	Node42	22.0000	28.8256
Link52	4.4982	66140.1068	3.6265	54.4184	##	Node46	21.0000	23.7856
Link53	8.4590	98077.7978	0.8896	2308.8000	##	Node43	23.0000	28.6558
Link54	5.9817	444209.6606	3.3286	635.2336	##	Node44	22.0000	24.3391
Link55D	21.9909	572716.0399	8.5555	261.6033	##	Node49	21.0000	22.8716
Link58	31.5276	735262.1040	0.2595	86639.4659	##	Node47	22.0000	24.4224