

APPENDIX C
Model Results and Electronic Deliverables

APPENDIX C-1
HEC-HMS Model Results

HMS * Summary of Results

Project : FL02006-TM2-HMS

Run Name : TM2 Final

Start of Run : 12Oct99 0000 Basin Model : FL02006-TM2
 End of Run : 18Oct99 2400 Met. Model : H Irene-WPBFS
 Execution Time : 15Aug03 0939 Control Specs : FL02006-TM2-Oct 1999

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
B33	3050.1	15 Oct 99 2245	2513.8	3.630
N33	3050.1	15 Oct 99 2245	2513.8	3.630
R33	3045.2	15 Oct 99 2300	2517.6	3.630
N0	0.0	11 Oct 99 2400	0.0	0.000
B1	1417.0	15 Oct 99 2300	1162.4	1.820
N1	1417.0	15 Oct 99 2300	1162.4	1.820
R1	1322.5	15 Oct 99 2315	1149.1	1.820
B3	742.23	15 Oct 99 2245	595.34	0.910
B4	657.37	15 Oct 99 2300	556.52	0.840
N3	2708.7	15 Oct 99 2300	2301.0	3.570
R3	2624.4	15 Oct 99 2315	2289.6	3.570
B2B	1947.0	15 Oct 99 2200	1261.0	1.920
N2B	1947.0	15 Oct 99 2200	1261.0	1.920
B2A	5034.0	16 Oct 99 0230	6936.3	10.490
N2A	7470.5	15 Oct 99 2300	10487	15.980
R2A	7079.8	15 Oct 99 2400	10419	15.980
B8	3952.7	16 Oct 99 0015	4139.1	6.200
N8	3952.7	16 Oct 99 0015	4139.1	6.200
R8	3951.6	16 Oct 99 0030	4139.7	6.200
B7	3641.7	16 Oct 99 0115	4306.0	6.450
N7	7547.2	16 Oct 99 0045	8445.6	12.650
R7	7538.8	16 Oct 99 0100	8445.8	12.650
B6	1060.1	15 Oct 99 2200	736.75	1.050
N6	7828.0	16 Oct 99 0045	9182.6	13.700
R6	7821.5	16 Oct 99 0100	9184.0	13.700
B9	134.22	15 Oct 99 2145	73.505	0.110
N9	7832.8	16 Oct 99 0100	9257.5	13.810
R9	7831.9	16 Oct 99 0100	9257.2	13.810
B5	1473.6	15 Oct 99 2245	1204.0	1.780
N5	8765.0	16 Oct 99 0030	10461	15.590
R5	8764.1	16 Oct 99 0030	10462	15.590
NM2	15801	16 Oct 99 0015	20881	31.570
RM2	15609	16 Oct 99 0030	20841	31.570
B10	271.21	15 Oct 99 2245	225.31	0.320
N10	15805	16 Oct 99 0015	21067	31.890
R10	14851	16 Oct 99 0045	20845	31.890
B11	7073.5	16 Oct 99 0115	8565.1	12.710
N11	21869	16 Oct 99 0100	29410	44.600
R11	21530	16 Oct 99 0115	29375	44.600
B12	150.64	15 Oct 99 2145	87.425	0.120
N12	21540	16 Oct 99 0115	29463	44.720

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
R12	21422	16 Oct 99 0115	29434	44.720
B13	9283.2	16 Oct 99 0115	11599	16.460
N13	30705	16 Oct 99 0115	41033	61.180
R13	30152	16 Oct 99 0130	40949	61.180
B15B	6960.7	16 Oct 99 0200	9181.7	13.500
N15B	6960.7	16 Oct 99 0200	9181.7	13.500
R15B	6956.3	16 Oct 99 0230	9188.2	13.500
B15A	4422.7	16 Oct 99 0130	5821.0	7.990
N15A	11280	16 Oct 99 0215	15009	21.490
R15A	11278	16 Oct 99 0215	15010	21.490
NM1	41227	16 Oct 99 0145	55958	82.670
R15	40687	16 Oct 99 0145	55882	82.670
B16B	1763.9	16 Oct 99 0315	2857.0	3.830
N16B	1763.9	16 Oct 99 0315	2857.0	3.830
B16A	1240.7	15 Oct 99 2330	1183.8	1.660
N16A	2564.3	16 Oct 99 0030	4040.8	5.490
R16A	2563.1	16 Oct 99 0030	4040.8	5.490
N16	43149	16 Oct 99 0145	59923	88.160
R16	42954	16 Oct 99 0145	59883	88.160
B20A	1429.8	15 Oct 99 2300	1232.7	1.780
N20A	43610	16 Oct 99 0145	61116	89.940
R20A	43172	16 Oct 99 0145	61004	89.940
B17	1949.0	15 Oct 99 2330	1861.4	2.580
N17	1949.0	15 Oct 99 2330	1861.4	2.580
R17	1948.2	15 Oct 99 2330	1861.5	2.580
NE1	44474	16 Oct 99 0130	62865	92.520
RE1	44468	16 Oct 99 0130	62866	92.520
B21A	3168.3	16 Oct 99 0130	4369.9	5.530
N21A	3168.3	16 Oct 99 0130	4369.9	5.530
B21B	4501.9	16 Oct 99 0115	5293.9	7.900
N21B	7669.1	16 Oct 99 0115	9663.8	13.430
R21B	7656.9	16 Oct 99 0215	9669.7	13.430
B20B	2505.5	15 Oct 99 2400	2550.3	3.660
N20B	9523.5	16 Oct 99 0145	12220	17.090
R20B	9511.5	16 Oct 99 0145	12219	17.090
NE1S	53935	16 Oct 99 0145	75085	109.610
RE1S	53929	16 Oct 99 0145	75075	109.610
B18	2767.7	15 Oct 99 2315	2555.1	3.580
N18	2767.7	15 Oct 99 2315	2555.1	3.580
R18	2760.7	15 Oct 99 2315	2555.3	3.580
B22	6489.4	16 Oct 99 0115	7977.6	11.520
N22	6489.4	16 Oct 99 0115	7977.6	11.520
R22	6484.5	16 Oct 99 0130	7977.8	11.520
NE2	62076	16 Oct 99 0130	85608	124.710
RE2	62047	16 Oct 99 0130	85608	124.710
B38	2619.5	15 Oct 99 2245	2222.1	3.050
N38	2619.5	15 Oct 99 2245	2222.1	3.050
R38	2607.9	15 Oct 99 2315	2230.4	3.050
N38A	63626	16 Oct 99 0130	87838	127.760
R38A	63582	16 Oct 99 0145	87820	127.760
B23	4502.1	15 Oct 99 2400	4589.9	6.570

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
N23	4502.1	15 Oct 99 2400	4589.9	6.570
R23	4495.1	15 Oct 99 2400	4590.1	6.570
B24	5115.5	16 Oct 99 0045	5788.7	8.250
N24	5115.5	16 Oct 99 0045	5788.7	8.250
R24	5113.5	16 Oct 99 0045	5788.9	8.250
E3	72360	16 Oct 99 0130	98199	142.580
RE3	72339	16 Oct 99 0130	98189	142.580
B25B	1607.2	15 Oct 99 2200	1043.2	1.520
N25B	1607.2	15 Oct 99 2200	1043.2	1.520
R25B	1606.6	15 Oct 99 2200	1043.4	1.520
B25A	373.97	15 Oct 99 2145	215.65	0.320
N25	72557	16 Oct 99 0130	99448	144.420
R25	72533	16 Oct 99 0130	99446	144.420
B26	570.50	15 Oct 99 2215	408.94	0.590
N26	72648	16 Oct 99 0130	99855	145.010
R26	72587	16 Oct 99 0130	99843	145.010
B28	438.68	15 Oct 99 2145	248.75	0.350
N28	72607	16 Oct 99 0130	100092	145.360
R28	72573	16 Oct 99 0130	100092	145.360
B27	1027.8	15 Oct 99 2300	935.59	1.300
N27	1027.8	15 Oct 99 2300	935.59	1.300
N27A	73164	16 Oct 99 0130	101028	146.660
R27A	73130	16 Oct 99 0130	101028	146.660
B30	1745.3	15 Oct 99 2215	1227.6	1.800
B35	375.55	15 Oct 99 2130	191.41	0.270
N30	73475	16 Oct 99 0130	102447	148.730
R30	73462	16 Oct 99 0130	102448	148.730
B29B	713.94	15 Oct 99 2200	502.29	0.690
N29B	713.94	15 Oct 99 2200	502.29	0.690
R29B	712.28	15 Oct 99 2245	507.76	0.690
B29A	2628.4	15 Oct 99 2200	1711.1	2.460
N29A	3174.4	15 Oct 99 2200	2218.9	3.150
R29A	3154.6	15 Oct 99 2230	2228.1	3.150
N29	74333	16 Oct 99 0130	104676	151.880
R29	74302	16 Oct 99 0130	104669	151.880
B31	2243.0	15 Oct 99 2215	1585.8	2.290
N31	74720	16 Oct 99 0130	106255	154.170
R31	74701	16 Oct 99 0130	106253	154.170
B32	2228.9	15 Oct 99 2300	1977.1	2.830
N32	77660	16 Oct 99 0115	110748	160.630
R32	77645	16 Oct 99 0115	110747	160.630
B36	827.39	15 Oct 99 2230	604.03	0.940
N36	77922	16 Oct 99 0115	111351	161.570
R36	77914	16 Oct 99 0115	111353	161.570
B34	865.86	15 Oct 99 2300	733.99	1.110
B37	530.10	15 Oct 99 2230	379.53	0.610
N37	78607	16 Oct 99 0115	112466	163.290
R37	78602	16 Oct 99 0115	112466	163.290
S-155	78602	16 Oct 99 0115	112466	163.290
B14	8860.0	16 Oct 99 0030	9574.9	14.480
N14	8860.0	16 Oct 99 0030	9574.9	14.480

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
-----------------------	----------------------------	-----------------	----------------------	-----------------------------

Sink-1	8860.0	16 Oct 99 0030	9574.9	14.480
--------	--------	----------------	--------	--------

APPENDIX C-2
HEC-RAS Model Results

HEC-RAS Plan: TM2 Final Locations: User Defined Profile: Max WS

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
M1	RM1	21173	Max WS	10.00	2.20	17.27		17.27	0.000000	0.01	1971.40	191.88	0.00
M1	RM1	20123	Max WS	9.98	2.20	17.27		17.27	0.000000	0.01	1971.40	191.88	0.00
M1	RM1	20023	Max WS	9.99	2.20	17.27		17.27	0.000000	0.01	1971.40	191.88	0.00
M1	RM1	17115	Max WS	9.95	7.50	17.27	3.04	17.27	0.000000	0.01	1245.94	177.66	0.00
M1	RM1	17104	Bridge										
M1	RM1	16966	Max WS	9.95	7.50	17.27		17.27	0.000000	0.01	1245.94	177.66	0.00
M1	RM1	12265	Max WS	9.82	1.42	17.27		17.27	0.000000	0.00	2454.18	191.88	0.00
M1	RM1	8835	Max WS	9.53	6.00	17.27	2.16	17.27	0.000000	0.01	1130.97	159.59	0.00
M1	RM1	8834	Bridge										
M1	RM1	8735	Max WS	9.59	6.10	17.27		17.27	0.000000	0.01	1122.82	159.59	0.00
M1	RM1	6315	Max WS	8.32	4.20	17.27	1.88	17.27	0.000000	0.01	1277.66	159.59	0.00
M1	RM1	6314	Bridge										
M1	RM1	6275	Max WS	9.39	4.20	17.27		17.27	0.000000	0.01	1277.66	159.59	0.00
M1	RM1	1453	Max WS	9.24	0.33	17.27		17.27	0.000000	0.00	2409.59	173.57	0.00
M1	RM1	1438	Lat Struct										
M1	RM1	1413	Max WS	722.51	0.33	17.26		17.27	0.000001	0.30	2409.10	173.56	0.01
M1	RM1	275	Max WS	722.48	0.20	17.26	1.27	17.27	0.000001	0.30	2426.04	173.55	0.01
M1	RM1	75	Ini Struct										
M1	RM1	20	Max WS	722.48	0.20	17.06		17.06	0.000001	0.30	2390.46	172.78	0.01
M1	RM1	10	Max WS	722.48	0.20	17.06		17.06	0.000001	0.30	2390.46	172.78	0.01
E1N	RE1N	5186	Max WS	20.00	9.00	16.48		16.48	0.000000	0.08	285.85	96.88	0.01
E1N	RE1N	2451	Max WS	19.99	8.50	16.48		16.48	0.000000	0.07	298.93	45.62	0.00
E1N	RE1N	1737	Max WS	19.99	6.00	16.48		16.48	0.000000	0.06	322.06	46.89	0.00
E1N	RE1N	1712	Lat Struct										
E1N	RE1N	1697	Max WS	257.29	6.00	16.46		16.47	0.000024	0.80	321.09	46.84	0.05
E1N	RE1N	10	Max WS	251.88	5.00	16.43		16.43	0.000016	0.68	367.75	49.30	0.04
E1S	RE1S	51128	Max WS	30.00	8.40	17.64		17.64	0.000000	0.08	361.63	55.15	0.01
E1S	RE1S	45762	Max WS	30.00	9.50	17.63		17.63	0.000002	0.17	180.74	35.79	0.01
E1S	RE1S	40872	Max WS	29.99	11.80	17.62		17.62	0.000003	0.20	152.76	38.00	0.02
E1S	RE1S	33777	Max WS	29.97	9.70	17.61		17.61	0.000002	0.17	174.36	35.84	0.01
E1S	RE1S	33752	Lat Struct										
E1S	RE1S	33727	Max WS	129.88	9.70	17.59		17.60	0.000032	0.75	173.76	35.80	0.06
E1S	RE1S	32099	Max WS	129.58	10.30	17.53		17.54	0.000044	0.81	160.58	39.10	0.07
E1S	RE1S	28905	Max WS	128.63	10.70	17.34		17.36	0.000065	0.97	132.26	31.46	0.08
E1S	RE1S	24844	Max WS	112.55	11.00	17.15		17.16	0.000037	0.72	156.69	40.21	0.06
E1S	RE1S	22709	Max WS	112.51	10.50	17.07		17.08	0.000035	0.73	153.15	35.80	0.06
E1S	RE1S	18951	Max WS	112.38	9.30	16.96		16.96	0.000024	0.64	175.75	36.70	0.05
E1S	RE1S	13122	Max WS	112.12	8.00	16.87		16.87	0.000010	0.47	240.58	42.98	0.03
E1S	RE1S	10549	Max WS	111.97	8.80	16.85		16.85	0.000005	0.37	299.74	44.37	0.03
E1S	RE1S	7815	Max WS	111.81	7.50	16.83		16.83	0.000008	0.43	257.06	40.25	0.03
E1S	RE1S	4025	Max WS	111.47	6.80	16.81		16.81	0.000004	0.34	383.34	100.00	0.02
E1S	RE1S	3951	Lat Struct										
E1S	RE1S	3925	Max WS	12.70	6.80	16.81		16.81	0.000000	0.04	383.61	100.00	0.00

HEC-RAS Plan: TM2 Final Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
E1S	RE1S	275	Max WS	12.40	5.50	16.61	6.01	16.61	0.000000	0.04	347.34	43.14	0.00
E1S	RE1S	75	Ini Struct										
E1S	RE1S	20	Max WS	332.48	5.50	16.37		16.36	0.000034	1.01	326.31	42.26	0.06
E1S	RE1S	10	Max WS	332.48	5.50	16.37		16.36	0.000034	1.01	326.30	42.26	0.06
E2N	RE2N	10459	Max WS	20.00	7.70	15.67		15.67	0.000001	0.13	159.85	32.34	0.01
E2N	RE2N	2004	Max WS	20.00	6.70	15.67		15.67	0.000001	0.10	193.48	35.32	0.01
E2N	RE2N	1979	Lat Struct										
E2N	RE2N	1954	Max WS	162.05	6.70	15.65		15.66	0.000036	0.84	192.67	35.25	0.06
E2N	RE2N	275	Max WS	159.32	6.70	15.59		15.60	0.000036	0.84	190.57	35.07	0.06
E2N	RE2N	160	Max WS	159.32	6.70	15.58		15.59	0.000036	0.84	190.43	35.06	0.06
E2N	RE2N	150	Culvert										
E2N	RE2N	45	Max WS	159.04	5.70	15.55		15.55	0.000025	0.73	216.73	36.04	0.05
E2N	RE2N	10	Max WS	159.09	0.00	15.55		15.55	0.000005	0.42	380.67	40.26	0.02
E2S	RE2S	20300	Max WS	20.00	8.70	16.69		16.69	0.000001	0.12	160.35	32.39	0.01
E2S	RE2S	10300	Max WS	19.99	7.70	16.68		16.68	0.000001	0.10	194.00	35.36	0.01
E2S	RE2S	3448	Max WS	19.97	7.20	16.68		16.68	0.000000	0.09	211.93	36.85	0.01
E2S	RE2S	3423	Lat Struct										
E2S	RE2S	3398	Max WS	513.61	7.20	16.48		16.58	0.000307	2.51	204.61	36.25	0.19
E2S	RE2S	175	Max WS	504.54	6.70	15.83	9.85	15.88	0.000143	1.88	268.25	40.74	0.13
E2S	RE2S	170	Ini Struct										
E2S	RE2S	155	Max WS	501.40	6.70	15.54		15.59	0.000160	1.96	256.41	40.15	0.14
E2S	RE2S	100	Max WS	501.40	6.70	15.53		15.59	0.000161	1.96	256.05	40.14	0.14
E2S	RE2S	10	Max WS	501.69	0.00	15.55		15.58	0.000061	1.32	379.58	40.24	0.08
E3N	RE3N	10629	Max WS	20.00	4.30	15.02		15.02	0.000000	0.06	357.03	54.13	0.00
E3N	RE3N	2666	Max WS	19.73	3.80	15.02		15.02	0.000000	0.05	384.46	55.80	0.00
E3N	RE3N	2641	Lat Struct										
E3N	RE3N	2616	Max WS	823.91	3.80	14.87		14.95	0.000172	2.19	376.04	55.29	0.15
E3N	RE3N	10	Max WS	823.74	3.30	14.43		14.50	0.000168	2.17	379.38	55.49	0.15
E3S	RE3S	20000	Max WS	25.00	5.30	17.67		17.67	0.000000	0.06	450.59	59.63	0.00
E3S	RE3S	10000	Max WS	19.61	4.30	17.62		17.62	0.000000	0.04	508.79	62.80	0.00
E3S	RE3S	2738	Max WS	71.33	3.80	17.55		17.55	0.000000	0.13	536.17	64.24	0.01
E3S	RE3S	2713	Lat Struct										
E3S	RE3S	2666	Max WS	70.66	3.80	17.55		17.55	0.000000	0.13	536.17	64.24	0.01
E3S	RE3S	275	Max WS	50.21	3.30	17.55	4.50	17.55	0.000000	0.07	686.87	69.46	0.00
E3S	RE3S	75	Ini Struct										
E3S	RE3S	20	Max WS	595.19	3.30	14.43		14.47	0.000085	1.54	379.42	55.50	0.10
E3S	RE3S	10	Max WS	595.19	3.30	14.43		14.47	0.000085	1.55	379.36	55.49	0.10
L5	RL5	8900	Max WS	20.00	6.00	12.14		12.14	0.000002	0.17	120.82	33.34	0.02
L5	RL5	500	Max WS	19.67	5.00	12.12		12.12	0.000001	0.13	158.80	39.62	0.01
L5	RL5	450	Lat Struct										
L5	RL5	400	Max WS	262.70	5.00	12.02		12.07	0.000216	1.72	152.83	38.98	0.15
L5	RL5	160	Ini Struct										
L5	RL5	150	Max WS	255.85	5.00	11.44		11.50	0.000000	1.95	131.22	35.27	0.18

HEC-RAS Plan: TM2 Final Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (%/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
L5	RL5	10	Max WS	255.68	-6.00	11.48		11.49	0.000018	0.73	348.25	37.58	0.04
Stub Canal	RSC	16726	Max WS	20.00	4.50	11.80		11.80	0.000000	0.06	363.35	82.07	0.00
Stub Canal	RSC	8640	Max WS	19.94	3.50	11.80		11.80	0.000000	0.04	446.95	85.29	0.00
Stub Canal	RSC	8615	Lat Struct										
Stub Canal	RSC	8590	Max WS	362.30	3.50	11.78		11.79	0.000031	0.81	445.14	85.22	0.06
Stub Canal	RSC	3900	Max WS	362.14	3.00	11.65		11.66	0.000025	0.76	476.99	86.42	0.06
Stub Canal	RSC	160	Ini Struct										
Stub Canal	RSC	150	Max WS	360.58	3.00	11.40		11.41	0.000028	0.79	455.80	85.62	0.06
Stub Canal	RSC	10	Max WS	390.50	-6.00	11.40		11.41	0.000008	0.52	693.60	85.64	0.03
L7	RL7	10030	Max WS	20.00	5.50	11.82		11.82	0.000000	0.07	297.85	69.93	0.01
L7	RL7	2430	Max WS	19.86	4.50	11.82		11.82	0.000000	0.05	369.87	74.47	0.00
L7	RL7	1930	Lat Struct										
L7	RL7	1430	Max WS	622.77	4.50	11.69		11.73	0.000154	1.73	360.22	73.88	0.14
L7	RL7	160	Ini Struct										
L7	RL7	100	Max WS	494.58	4.50	10.82		10.86	0.000169	1.86	297.76	69.93	0.14
L7	RL7	10	Max WS	509.76	-6.00	10.85		10.86	0.000014	0.76	672.29	70.06	0.04
L10	RL10	11653	Max WS	20.00	5.50	10.98		10.98	0.000000	0.07	272.80	68.67	0.01
L10	RL10	1853	Max WS	19.86	4.50	10.98		10.98	0.000000	0.06	342.67	71.46	0.00
L10	RL10	1453	Lat Struct										
L10	RL10	1253	Max WS	517.22	4.50	10.88		10.92	0.000129	1.54	305.61	71.19	0.13
L10	RL10	10	Max WS	512.34	4.50	10.71		10.75	0.000141	1.58	323.57	70.71	0.13
L8	RL8	11971	Max WS	20.00	5.00	11.73		11.73	0.000000	0.07	283.15	58.09	0.01
L8	RL8	1971	Max WS	19.84	4.00	11.72		11.72	0.000000	0.06	343.09	62.07	0.00
L8	RL8	1771	Lat Struct										
L8	RL8	1571	Max WS	511.52	4.00	11.63		11.67	0.000104	1.52	337.43	61.71	0.11
L8	RL8	160	Ini Struct										
L8	RL8	150	Max WS	497.00	4.00	10.47		10.52	0.000188	1.85	268.47	57.06	0.15
L8	RL8	10	Max WS	497.09	-6.00	10.51		10.52	0.000015	0.78	637.69	64.82	0.04
E4	RE4	12005	Max WS	20.00	6.00	10.71		10.71	0.000000	0.02	1097.29	477.61	0.00
E4	RE4	6720	Max WS	19.65	6.00	10.71		10.71	0.000000	0.03	811.65	499.43	0.00
E4	RE4	6670	Max WS	19.65	6.00	10.71		10.71	0.000000	0.03	811.65	499.43	0.00
E4	RE4b	6663	Max WS	531.98	6.00	10.71		10.72	0.000057	0.78	811.65	499.43	0.08
E4	RE4b	160	Ini Struct										
E4	RE4b	150	Max WS	529.01	5.00	10.51		10.51	0.000008	0.32	1676.42	540.83	0.03
E4	RE4b	10	Max WS	528.99	-10.00	10.51		10.51	0.000000	0.10	5047.75	560.30	0.01
M2	RM2	20100	Max WS	20.00	14.00	17.67		17.67	0.000001	0.06	356.90	178.65	0.01
M2	RM2	20050	Max WS	20.00	14.00	17.67		17.67	0.000001	0.06	356.90	178.65	0.01
M2	RM2	19975	Lat Struct										
M2	RM2	19900	Max WS	20.40	14.00	17.67		17.67	0.000001	0.06	356.88	178.65	0.01
M2	RM2	15863	Max WS	20.35	14.00	17.67		17.67	0.000000	0.05	532.03	506.61	0.01
M2	RM2	15798	Lat Struct										
M2	RM2	15713	Max WS	251.24	14.00	17.66		17.66	0.000046	0.60	525.34	500.11	0.07
M2	RM2	10174	Max WS	246.99	13.00	17.52		17.53	0.000011	0.40	1587.00	1000.00	0.04

HEC-RAS Plan: TM2 Final Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Ch
M2	RM2	10124	Max WS	246.99	13.00	17.52		17.53	0.000011	0.40	1596.40	1000.00	0.04
M2	RM2	3337	Max WS	273.32	12.00	17.47		17.47	0.000003	0.25	2396.62	1000.00	0.02
M2	RM2	3262	Lat Struct										
M2	RM2	3187	Max WS	273.32	11.00	17.47		17.47	0.000002	0.20	2612.96	1000.00	0.01
M2	RM2	461	Max WS	270.37	10.50	17.48		17.48	0.000002	0.22	2537.33	700.00	0.02
M2	RM2	436	Lat Struct										
M2	RM2	411	Max WS	238.00	10.50	17.46		17.46	0.000001	0.20	2537.38	700.00	0.01
M2	RM2	25	Max WS	237.32	1.00	17.46	1.85	17.46	0.000000	0.07	3451.46	390.41	0.00
M2	RM2	18	Ini Struct										
M2	RM2	15	Max WS	236.34	1.00	17.39		17.39	0.000000	0.07	3423.90	357.03	0.00
M2	RM2	10	Max WS	236.34	1.00	17.39		17.39	0.000000	0.07	3423.90	357.03	0.00
C51	R1	109730	Max WS	-369.54	-0.60	17.37		17.37	0.000002	-0.26	1446.40	168.33	0.01
C51	R1	106700	Max WS	-370.74	-0.80	17.38		17.38	0.000002	-0.26	1481.71	174.28	0.01
C51	R1	106604	Max WS	-370.75	-0.80	17.38		17.38	0.000002	-0.26	1481.75	174.28	0.01
C51	R1	104360	Max WS	-323.63	-0.90	17.38		17.38	0.000002	-0.23	1500.01	177.28	0.01
C51	R1	104304	Max WS	-323.63	-0.90	17.38		17.38	0.000002	-0.23	1500.02	177.28	0.01
C51	R1	101625	Max WS	-268.36	-1.10	17.38		17.38	0.000001	-0.18	1537.91	196.84	0.01
C51	R1	101600	Max WS	-268.36	-1.10	17.38		17.38	0.000001	-0.18	1537.92	196.84	0.01
C51	R1	101578	Max WS	-232.32	-1.10	17.38		17.38	0.000001	-0.16	1537.97	196.87	0.01
C51	R1	99100	Max WS	-232.65	-1.20	17.39		17.39	0.000001	-0.16	1558.53	207.16	0.01
C51	R1	99068	Max WS	-232.65	-1.20	17.39		17.39	0.000001	-0.16	1558.53	207.16	0.01
C51	R1	97360	Max WS	-103.49	-1.20	17.39		17.39	0.000000	-0.07	1558.70	207.24	0.00
C51	R1	95530	Max WS	-103.57	-1.10	17.39		17.39	0.000000	-0.07	1427.97	166.25	0.00
C51	R1	93580	Max WS	-103.70	1.20	17.39		17.39	0.000000	-0.08	1301.96	136.05	0.00
C51	R1	93530	Max WS	-103.70	1.20	17.39		17.39	0.000000	-0.08	1301.96	136.05	0.00
C51	R1	93250	Max WS	-63.61	-0.10	17.39		17.39	0.000000	-0.05	1326.23	101.67	0.00
C51	R1	93149	Max WS	-63.62	-0.10	17.39		17.39	0.000000	-0.05	1326.23	101.67	0.00
C51	R2	93049	Max WS	172.72	-0.10	17.39		17.39	0.000000	0.13	1326.23	101.67	0.01
C51	R2	91649	Max WS	172.75	-0.10	17.39		17.39	0.000000	0.13	1326.16	101.67	0.01
C51	R2	91618	Lat Struct										
C51	R2	91588	Max WS	186.58	-0.10	17.39		17.39	0.000001	0.14	1326.15	101.67	0.01
C51	R2	90177	Max WS	186.59	-0.10	17.39		17.39	0.000001	0.14	1326.06	101.67	0.01
C51	R2	89610	Max WS	186.68	0.70	17.38		17.38	0.000001	0.16	1171.80	95.53	0.01
C51	R2	88626	Lat Struct										
C51	R2	88164	Max WS	352.21	0.70	17.38		17.38	0.000003	0.30	1171.45	95.51	0.02
C51	R2	88170	Max WS	352.21	-4.00	17.38	-2.78	17.38	0.000001	0.21	1699.09	113.93	0.01
C51	R2	88162	Bridge										
C51	R2	88130	Max WS	352.21	-4.00	17.38		17.38	0.000001	0.21	1699.08	113.93	0.01
C51	R2	88115	Max WS	352.21	1.00	17.38		17.38	0.000002	0.28	1241.39	103.98	0.01
C51	R2	88100	Max WS	352.21	1.00	17.38		17.38	0.000002	0.28	1241.38	103.98	0.01
C51	R2	87510	Max WS	352.23	1.00	17.38		17.38	0.000002	0.28	1241.23	103.98	0.01
C51	R2	85940	Max WS	352.18	-5.50	17.38		17.38	0.000001	0.17	2320.07	219.42	0.01
C51	R2	85915	Max WS	352.18	-3.70	17.38		17.38	0.000001	0.17	2239.71	216.79	0.01

HEC-RAS Plan TM2 Final Locations User Defined Profile Max WS (Continued)

River	Reach	River Sta.	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
C51	R2	85870	Max WS	352.18	-4.60	17.38	-2.74	17.38	0.000001	0.17	2077.55	165.69	0.01
C51	R2	85645	Bridge										
C51	R2	85775	Max WS	352.18	-5.00	17.38		17.38	0.000001	0.17	2023.78	157.75	0.01
C51	R2	85510	Max WS	352.17	-2.80	17.38		17.38	0.000002	0.24	1473.71	120.88	0.01
C51	R2	83655	Max WS	352.30	-1.50	17.37		17.38	0.000001	0.21	1653.17	126.59	0.01
C51	R2	83630	Max WS	352.30	-1.50	17.37	0.44	17.38	0.000001	0.21	1653.16	126.59	0.01
C51	R2	83628	Bridge										
C51	R2	83496	Max WS	352.30	-1.50	17.37		17.38	0.000001	0.21	1653.15	126.59	0.01
C51	R2	83471	Max WS	352.30	-1.50	17.37		17.37	0.000001	0.21	1653.14	126.59	0.01
C51	R2	83455	Max WS	352.30	0.70	17.37		17.37	0.000002	0.29	1211.82	98.96	0.01
C51	R2	83440	Max WS	468.27	0.70	17.37		17.37	0.000004	0.39	1211.61	98.95	0.02
C51	R2	81510	Max WS	468.35	-1.30	17.36		17.37	0.000003	0.36	1316.81	98.27	0.02
C51	R2	81000	Max WS	468.33	-1.30	17.36		17.36	0.000003	0.36	1316.64	98.27	0.02
C51	R2	80973	Laf Struct										
C51	R2	80946	Max WS	798.75	-1.30	17.35		17.36	0.000010	0.61	1315.87	98.25	0.03
C51	R2	80630	Max WS	798.82	-1.30	17.35		17.36	0.000010	0.61	1315.93	98.31	0.03
C51	R2	80490	Max WS	798.82	-1.30	17.35		17.36	0.000010	0.61	1315.86	98.31	0.03
C51	R2	79460	Max WS	798.87	0.20	17.34		17.35	0.000011	0.63	1273.55	101.83	0.03
C51	R2	77460	Max WS	773.40	-0.80	17.32		17.33	0.000007	0.49	1562.71	125.20	0.02
C51	R2	76460	Max WS	773.39	-0.70	17.31		17.31	0.000008	0.54	1425.87	113.56	0.03
C51	R2	75345	Max WS	773.38	-3.60	17.31	-0.29	17.31	0.000005	0.42	1825.93	146.16	0.02
C51	R2	75318	Bridge										
C51	R2	75286	Max WS	773.38	-3.90	17.31		17.31	0.000005	0.42	1843.56	146.73	0.02
C51	R2	75261	Max WS	773.38	-3.60	17.31		17.31	0.000005	0.42	1840.25	149.02	0.02
C51	R2	75180	Max WS	773.38	-3.60	17.31		17.31	0.000005	0.42	1840.19	149.02	0.02
C51	R2	75178	Culvert										
C51	R2	75120	Max WS	773.09	-3.60	17.14		17.15	0.000005	0.43	1815.57	148.68	0.02
C51	R2	73700	Max WS	772.94	-0.70	17.13		17.13	0.000009	0.56	1378.46	112.71	0.03
C51	R2	73679	Laf Struct										
C51	R2	73658	Max WS	771.66	-0.70	17.13		17.13	0.000009	0.56	1378.46	112.71	0.03
C51	R2	73460	Max WS	771.65	-0.70	17.13		17.13	0.000009	0.56	1378.26	112.70	0.03
C51	R2	72900	Max WS	771.64	-2.70	17.13		17.13	0.000006	0.48	1609.49	118.85	0.02
C51	R2	72838	Max WS	771.64	-2.70	17.12		17.13	0.000006	0.48	1609.45	118.85	0.02
C51	R2	72778	Laf Struct										
C51	R2	72440	Max WS	1049.05	-5.70	17.12		17.12	0.000008	0.55	1900.83	142.34	0.03
C51	R2	71523	Max WS	1049.05	-5.70	17.11		17.12	0.000008	0.55	1899.83	142.31	0.03
C51	R2	71498	Max WS	1049.05	-5.70	17.11	-1.72	17.11	0.000008	0.55	1899.90	142.31	0.03
C51	R2	71496	Bridge										
C51	R2	71441	Max WS	1049.05	-5.70	17.11		17.11	0.000008	0.55	1899.65	142.31	0.03
C51	R2	71355	Max WS	1049.04	0.00	17.11		17.11	0.000013	0.68	1542.62	121.25	0.03
C51	R2	71232	Max WS	1049.04	0.00	17.10		17.11	0.000013	0.68	1541.63	121.25	0.03
C51	R2	69530	Max WS	1049.02	-0.90	17.08		17.09	0.000012	0.68	1541.44	117.08	0.03
C51	R2	67700	Max WS	1049.29	-1.00	17.06		17.07	0.000014	0.71	1471.64	114.70	0.04

HEC-RAS Plan: TM2 Final Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft%)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # CH
C61	R3	67607	Max WS	1771.78	-1.00	17.06		17.06	0.000039	1.20	1471.64	114.70	0.08
C61	R3	67580	Max WS	1771.78	-1.00	17.06		17.06	0.000039	1.20	1471.51	114.69	0.08
C61	R3	67560	Lat Struct										
C61	R3	67530	Max WS	1937.49	-1.00	17.05		17.07	0.000047	1.32	1470.25	114.66	0.08
C61	R3	67240	Max WS	1936.89	-1.00	17.03		17.06	0.000047	1.32	1468.88	114.63	0.08
C61	R3	67200	Max WS	1936.89	-1.00	17.03		17.06	0.000047	1.32	1468.47	114.62	0.08
C61	R3	65530	Max WS	1934.71	0.10	16.93		16.96	0.000067	1.46	1325.55	119.42	0.08
C61	R3	65527	Max WS	1935.10	-2.60	16.94		16.96	0.000041	1.24	1561.83	120.65	0.06
C61	R3	65502	Max WS	1935.10	-2.60	16.94	2.61	16.96	0.000041	1.24	1561.71	120.65	0.06
C61	R3	65500	Bridge										
C61	R3	65443	Max WS	1935.10	-2.60	16.93		16.96	0.000063	1.24	1560.79	120.63	0.06
C61	R3	63530	Max WS	1809.61	-0.10	16.80		16.83	0.000065	1.24	1457.98	113.79	0.06
C61	R3	62580	Max WS	1809.23	-0.10	16.74		16.76	0.000066	1.25	1450.89	113.62	0.06
C61	R3	61930	Max WS	1804.99	-0.10	16.70		16.72	0.000066	1.25	1446.00	113.50	0.06
C61	R3	61530	Max WS	1803.39	1.70	16.67		16.69	0.000062	1.13	1596.52	145.61	0.06
C61	R3	61200	Max WS	1801.39	1.70	16.65		16.67	0.000063	1.13	1593.50	145.52	0.06
C61	R3	61174	Lat Struct										
C61	R3	61148	Max WS	1974.18	1.70	16.64		16.66	0.000075	1.24	1591.82	145.47	0.07
C61	R3	60545	Max WS	2000.67	-0.60	16.60		16.62	0.000050	1.05	1911.99	165.98	0.05
C61	R3	59900	Max WS	2000.51	-0.60	16.57		16.59	0.000050	1.05	1906.62	165.82	0.05
C61	R3	59669	Lat Struct										
C61	R3	59638	Max WS	1908.06	-0.60	16.57		16.59	0.000046	1.00	1906.65	165.82	0.05
C61	R3	59530	Max WS	1908.06	-0.60	16.56		16.57	0.000046	1.00	1904.30	165.75	0.05
C61	R3	58190	Max WS	1907.63	-0.60	16.50		16.51	0.000047	1.01	1894.02	165.43	0.05
C61	R3	57730	Max WS	1907.63	-1.60	16.45		16.48	0.000099	1.38	1377.84	129.02	0.07
C61	R3	57350	Max WS	1907.63	-3.70	16.43		16.45	0.000063	1.22	1564.60	123.40	0.06
C61	R4	57302	Max WS	2159.49	-3.70	16.43		16.46	0.000081	1.38	1564.60	123.40	0.07
C61	R4	56876	Max WS	2158.96	-4.57	16.40	0.16	16.43	0.000069	1.27	1704.87	136.25	0.06
C61	R4	56807	Bridge										
C61	R4	56736	Max WS	2158.73	-4.57	16.39		16.41	0.000070	1.27	1702.87	136.16	0.06
C61	R4	56450	Max WS	2158.46	-4.57	16.37		16.39	0.000070	1.27	1700.16	136.04	0.06
C61	R5	56384	Max WS	2490.94	-4.57	16.37		16.40	0.000093	1.47	1700.16	136.04	0.07
C61	R5	55796	Max WS	2490.48	-0.67	16.29	4.76	16.33	0.000137	1.62	1541.63	147.98	0.09
C61	R5	55775	Bridge										
C61	R5	55754	Max WS	2490.48	-0.67	16.28		16.32	0.000137	1.62	1539.59	147.94	0.09
C61	R5	54021	Max WS	2487.67	-1.30	16.06		16.10	0.000118	1.66	1589.59	430.64	0.08
C61	R5	49413	Max WS	2482.53	-0.89	15.61	3.16	15.64	0.000063	1.33	1860.73	861.74	0.07
C61	R5	49412.5	Bridge										
C61	R5	49412	Max WS	2482.53	-0.89	15.61		15.64	0.000063	1.33	1860.51	859.85	0.07
C61	R5	48175	Max WS	2482.41	-1.72	15.55		15.57	0.000099	1.00	2493.44	195.66	0.05
C61	R6	48106	Max WS	3143.20	-1.72	15.55		15.58	0.000063	1.26	2493.44	195.66	0.06
C61	R6	47604	Max WS	3143.19	-1.72	15.52	2.39	15.54	0.000063	1.26	2487.21	195.58	0.06
C61	R6	47587	Bridge										

HEC-RAS Plan: TM2 Final Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
C51	R6	47571	Max WS	3143.19	-1.72	15.52		15.54	0.000063	1.26	2496.49	195.58	0.06
C51	R6	48347	Max WS	3143.18	-1.00	15.35		15.40	0.000150	1.80	1742.63	146.04	0.09
C51	R6	45890	Max WS	3143.18	-1.00	15.28		15.33	0.000152	1.82	1731.62	145.49	0.09
C51	R6	45825											
C51	R6	45803	Max WS	3206.50	-1.00	15.28		15.32	0.000159	1.85	1729.94	145.40	0.09
C51	R6	45069	Max WS	3206.48	-2.02	15.20	2.32	15.23	0.000075	1.33	2408.65	198.08	0.07
C51	R6	45062											
C51	R6	45036	Max WS	3206.48	-2.02	15.20		15.23	0.000075	1.33	2407.80	198.06	0.07
C51	R6	45027	Max WS	3206.48	-1.42	15.20	2.62	15.23	0.000085	1.39	2313.92	196.41	0.07
C51	R6	45010											
C51	R6	44994	Max WS	3206.48	-1.42	15.19		15.22	0.000085	1.39	2312.93	196.38	0.07
C51	R6	43621	Max WS	3206.44	-7.60	15.09		15.12	0.000060	1.33	2412.69	163.24	0.06
C51	R6	42222	Max WS	3206.44	-8.00	15.01		15.04	0.000068	1.39	2310.69	162.12	0.06
C51	R6	39873	Max WS	3206.41	-7.90	14.86		14.89	0.000065	1.25	2571.84	911.71	0.06
C51	R6	38258	Max WS	3206.37	-8.33	14.75	-2.28	14.78	0.000065	1.37	2340.87	161.99	0.06
C51	R6	38183											
C51	R6	38093	Max WS	3206.40	-8.03	14.73		14.76	0.000065	1.40	2290.88	151.88	0.06
C51	R6	36525	Max WS	3206.31	-7.30	14.62		14.65	0.000067	1.36	2394.00	169.65	0.06
C51	R6	33782	Max WS	3206.16	-7.90	14.45		14.47	0.000061	1.27	2515.52	182.09	0.06
C51	R6	33600	Max WS	3206.08	-7.90	14.43		14.46	0.000061	1.28	2512.39	182.03	0.06
C51	R7	33441	Max WS	4616.01	-7.90	14.43		14.48	0.000126	1.84	2512.39	182.03	0.09
C51	R7	30178	Max WS	4609.58	-8.33	13.91	-0.02	13.96	0.000178	2.19	2103.54	153.05	0.10
C51	R7	30177											
C51	R7	30176	Max WS	4610.03	-8.33	13.90		13.96	0.000178	2.19	2102.93	153.04	0.10
C51	R7	30144	Max WS	4610.03	-6.43	13.89		13.97	0.000210	2.27	2028.03	159.13	0.11
C51	R7	30133	Max WS	4610.03	-6.43	13.89	0.57	13.97	0.000210	2.27	2027.65	159.12	0.11
C51	R7	30088											
C51	R7	30043	Max WS	4610.03	-6.43	13.84		13.92	0.000212	2.28	2020.53	158.87	0.11
C51	R7	28100	Max WS	4608.56	-4.80	13.42		13.50	0.000222	2.27	2029.33	167.92	0.12
C51	R7	28070											
C51	R7	28040	Max WS	4953.34	-4.60	13.38		13.47	0.000260	2.45	2022.46	167.41	0.12
C51	R7	27443	Max WS	4952.81	-4.60	13.22	1.39	13.32	0.000267	2.49	1995.83	165.38	0.13
C51	R7	27392											
C51	R7	27341	Max WS	4962.81	-4.60	13.14		13.23	0.000271	2.50	1982.01	164.32	0.13
C51	R7	24900	Max WS	4959.27	-5.30	12.59		12.67	0.000197	2.24	2218.22	163.11	0.11
C51	R7	24880	Max WS	4959.24	-5.30	12.58		12.66	0.000197	2.24	2217.57	163.10	0.11
C51	R7	24783	Max WS	5119.01	-5.30	12.55	0.69	12.64	0.000211	2.31	2212.58	163.03	0.11
C51	R7	24757											
C51	R7	24731	Max WS	5119.01	-5.30	12.53		12.61	0.000212	2.32	2208.13	162.96	0.11
C51	R7	19629	Max WS	5058.60	-15.21	11.89	-8.20	11.93	0.000077	1.68	3013.20	169.58	0.07
C51	R7	19589											
C51	R7	19548	Max WS	5058.60	-15.21	11.86		11.90	0.000077	1.68	3008.17	169.46	0.07
C51	R7	18900	Max WS	5032.68	-15.21	11.82		11.86	0.000077	1.68	3001.11	169.30	0.07

HEC-RAS Plan TM2 Final Locations: User Defined Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
C51	R7	18958		Lat Struct									
C51	R7	18915	Max WS	5196.60	-15.21	11.81		11.85	0.000082	1.73	2999.29	169.26	0.07
C51	R7	16900	Max WS	5153.92	-15.21	11.84		11.89	0.000083	1.73	2970.86	168.62	0.07
C51	R7	16882	Max WS	5153.83	-15.21	11.84		11.88	0.000083	1.73	2970.63	168.62	0.07
C51	R7	14775	Max WS	5303.43	-9.21	11.48		11.51	0.000075	1.41	3830.24	513.34	0.07
C51	R8	14723	Max WS	5559.11	-9.21	11.48		11.51	0.000082	1.47	3830.24	513.34	0.07
C51	R8	14700	Max WS	5558.98	-9.21	11.48		11.51	0.000082	1.47	3829.26	512.99	0.07
C51	R8	13625	Max WS	5578.37	-9.21	11.40		11.44	0.000084	1.49	3791.93	499.18	0.07
C51	R9	13784	Max WS	5938.98	-9.21	11.40		11.44	0.000095	1.58	3791.93	499.18	0.08
C51	R9	13259	Max WS	5937.38	-9.21	11.35	-3.21	11.39	0.000096	1.59	3787.44	484.65	0.08
C51	R9	13238		Bridge									
C51	R9	13206	Max WS	5937.38	-9.21	11.34		11.38	0.000097	1.59	3781.25	479.60	0.08
C51	R9	12943		Lat Struct									
C51	R9	11206	Max WS	5977.98	-9.21	11.14		11.18	0.000103	1.63	3676.13	340.69	0.08
C51	R9	9900	Max WS	5977.68	-9.51	10.85		10.91	0.000167	2.08	2872.47	220.39	0.10
C51	R10	9138	Max WS	6487.44	-9.51	10.85		10.83	0.000197	2.26	2872.47	220.39	0.11
C51	R10	9129	Max WS	6487.44	-9.51	10.84	-2.31	10.92	0.000197	2.26	2872.07	220.38	0.11
C51	R10	9093		Bridge									
C51	R10	9056	Max WS	6487.44	-9.51	10.79		10.87	0.000200	2.27	2858.88	220.13	0.11
C51	R10	8956	Max WS	6487.41	-9.51	10.78		10.85	0.000201	2.27	2854.42	220.04	0.11
C51	R10	8325	Max WS	6486.16	-17.21	10.51		10.54	0.000060	1.52	4279.87	244.19	0.06
C51	R11	6281	Max WS	7512.24	-17.21	10.51		10.55	0.000081	1.76	4279.87	244.19	0.07
C51	R11	5118	Max WS	7512.06	-17.21	10.41	-9.48	10.46	0.000082	1.76	4256.76	243.61	0.07
C51	R11	5112		Bridge									
C51	R11	5105	Max WS	7511.86	-17.21	10.40		10.45	0.000082	1.77	4254.33	243.55	0.07
C51	R11	4983	Max WS	7511.86	-15.81	10.39		10.44	0.000031	1.79	4205.48	242.66	0.08
C51	R11	4929	Max WS	7511.84	-15.81	10.39		10.44	0.000031	1.79	4205.07	242.65	0.08
C51	R11	4880	Max WS	7511.84	-16.51	10.38	-9.74	10.44	0.000093	1.83	4109.11	241.78	0.08
C51	R11	4853		Bridge									
C51	R11	4826	Max WS	7511.49	-16.51	10.37		10.43	0.000093	1.83	4106.46	241.72	0.08
C51	R11	4100	Max WS	7511.48	-16.51	10.31		10.36	0.000094	1.84	4089.98	241.37	0.08
C51	R11	4065	Max WS	7511.45	-16.51	10.30		10.35	0.000094	1.84	4089.16	241.36	0.08
C51	R11	2900	Max WS	7511.30	-16.51	10.19		10.24	0.000096	1.85	4062.38	240.79	0.08
C51	R11	2875	Max WS	7511.29	-16.51	10.19		10.24	0.000096	1.85	4061.80	240.78	0.08
C51	R11	2853		Lat Struct									
C51	R11	2843		Lat Struct									
C51	R11	2832	Max WS	7659.95	-16.51	10.18		10.23	0.000100	1.89	4058.75	240.74	0.08
C51	R11	2467		Lat Struct									
C51	R11	2167		Lat Struct									
C51	R11	1811	Max WS	7720.75	-16.70	9.89	-6.22	10.04	0.000319	3.14	2460.93	160.95	0.14
C51	R11	1801		Bridge									
C51	R11	1790	Max WS	7720.75	-16.70	9.84		10.00	0.000321	3.15	2452.96	160.84	0.14
C51	R11	1400		Lat Struct									

APPENDIX C-3
Electronic Format of Deliverables