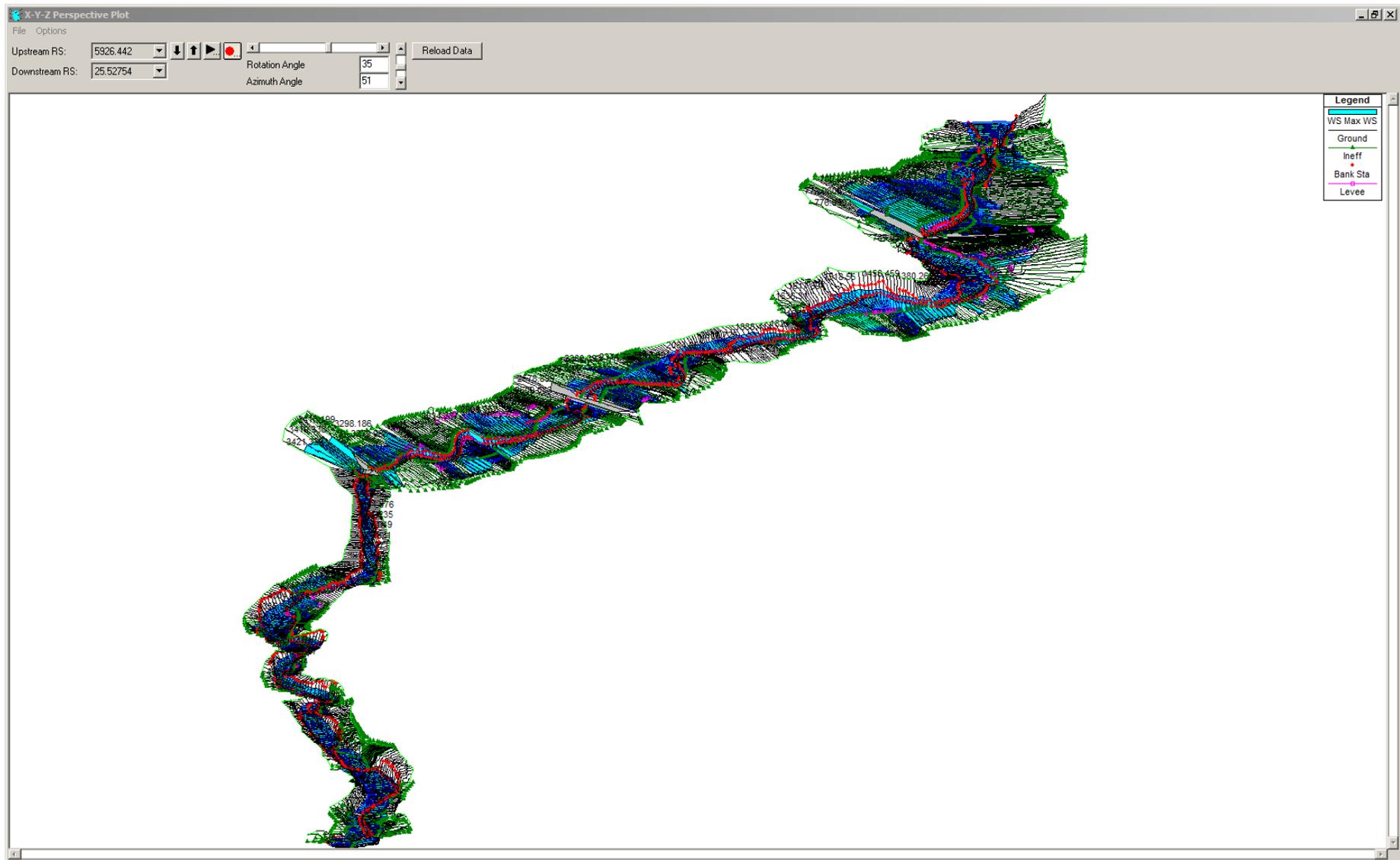


ΠΑΡΑΡΤΗΜΑ Β: ΑΠΟΤΕΛΕΣΜΑΤΑ

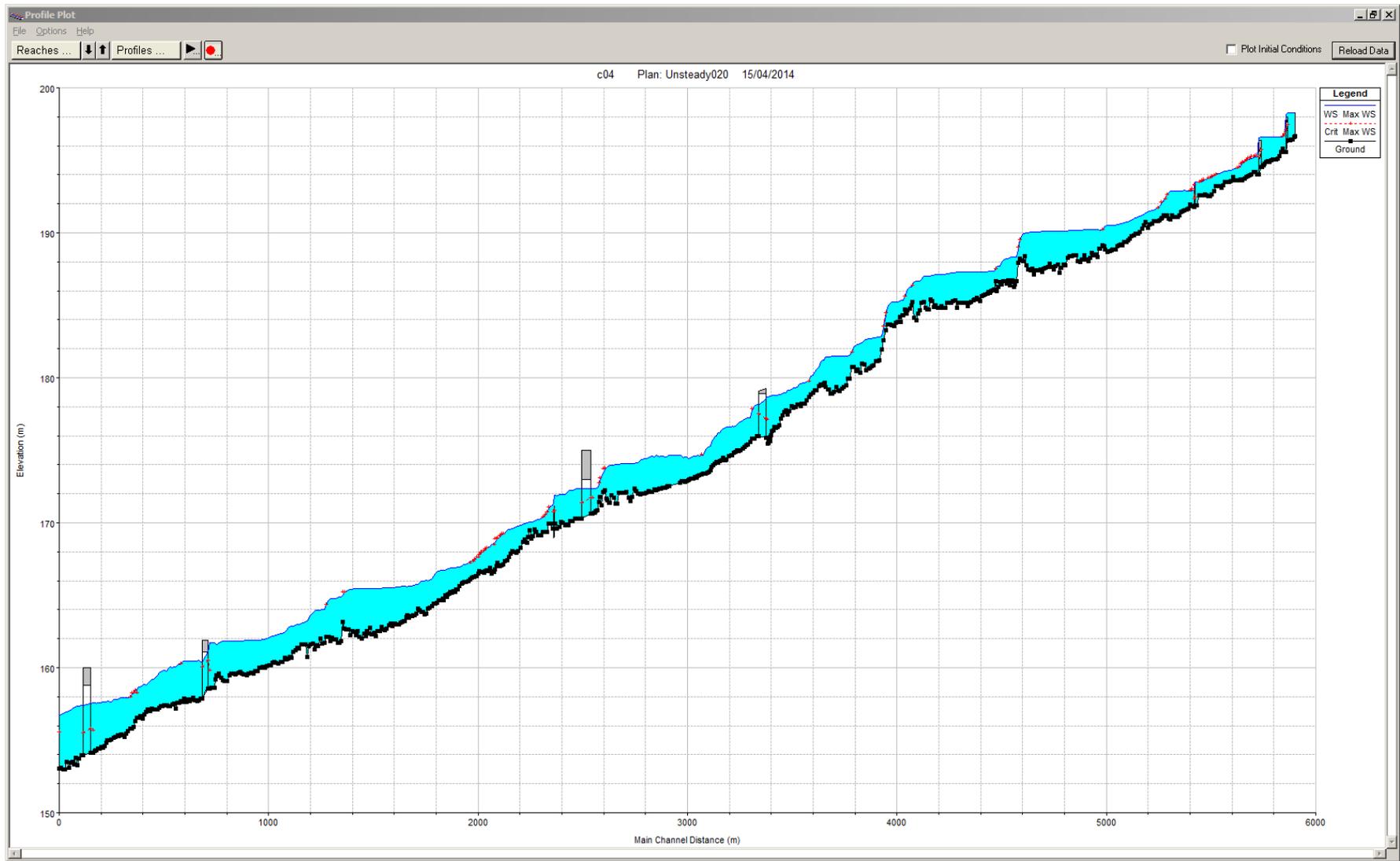
- B.1. ΠΡΟΟΠΤΙΚΗ ΑΠΕΙΚΟΝΙΣΗ ΕΠΙΛΥΣΕΩΝ
- B.2. ΜΗΚΟΤΟΜΕΣ ΚΑΙ ΓΡΑΦΗΜΑΤΑ
 - B.2.1. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ $T=20$ ΕΤΗ
 - B.2.2. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ $T=100$ ΕΤΗ
 - B.2.3. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ $T=500$ ΕΤΗ
- B.3. ΠΙΝΑΚΕΣ ΑΠΟΤΕΛΕΣΜΑΤΩΝ ΕΠΙΛΥΣΕΩΝ
 - B.3.1. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ $T=20$ ΕΤΗ
 - B.3.2. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ $T=100$ ΕΤΗ
 - B.3.3. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ $T=500$ ΕΤΗ

B.1. ΠΡΟΟΠΤΙΚΗ ΑΠΕΙΚΟΝΙΣΗ ΕΠΙΛΥΣΕΩΝ

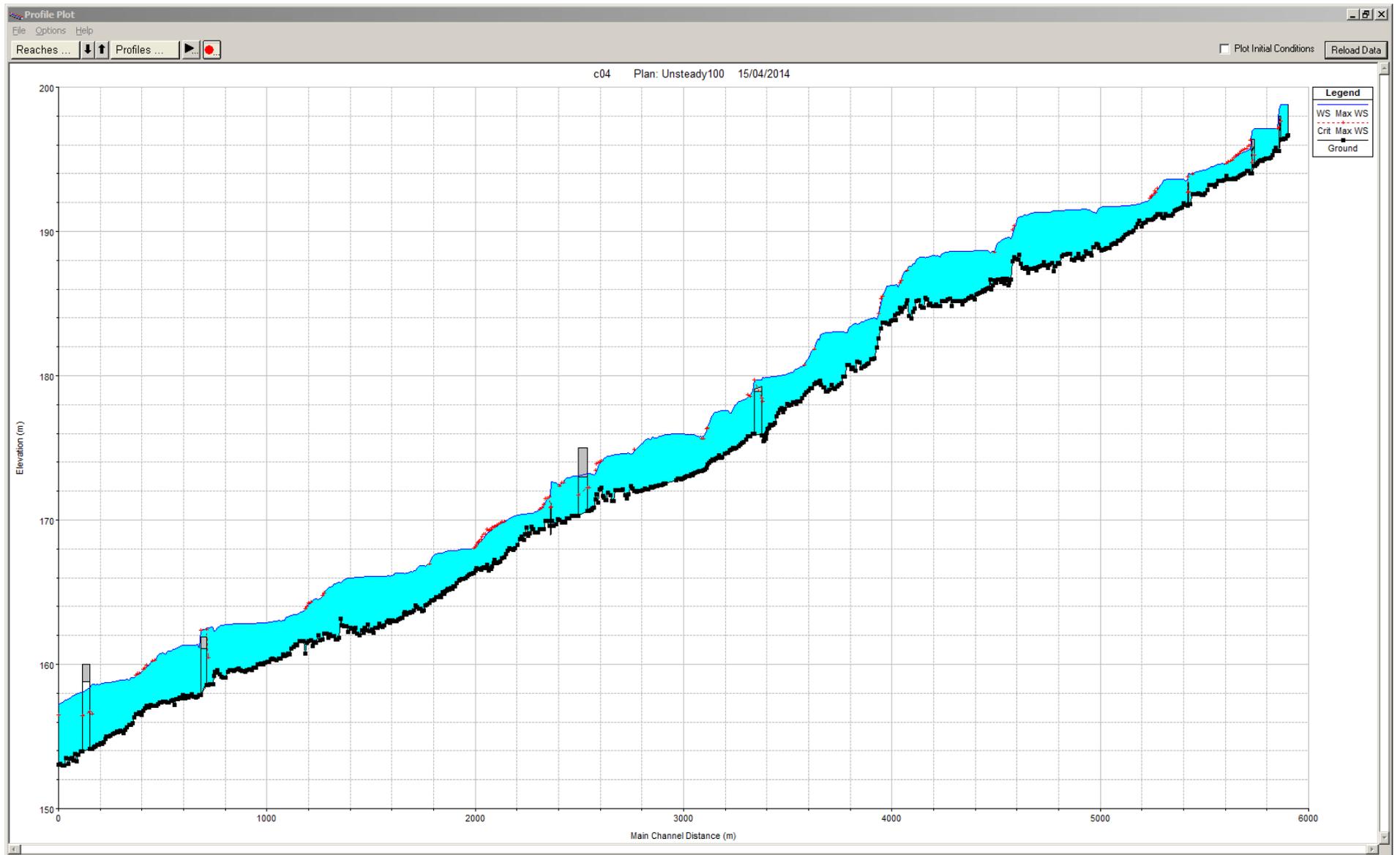


B.2. ΜΗΚΟΤΟΜΕΣ ΚΑΙ ΓΡΑΦΗΜΑΤΑ

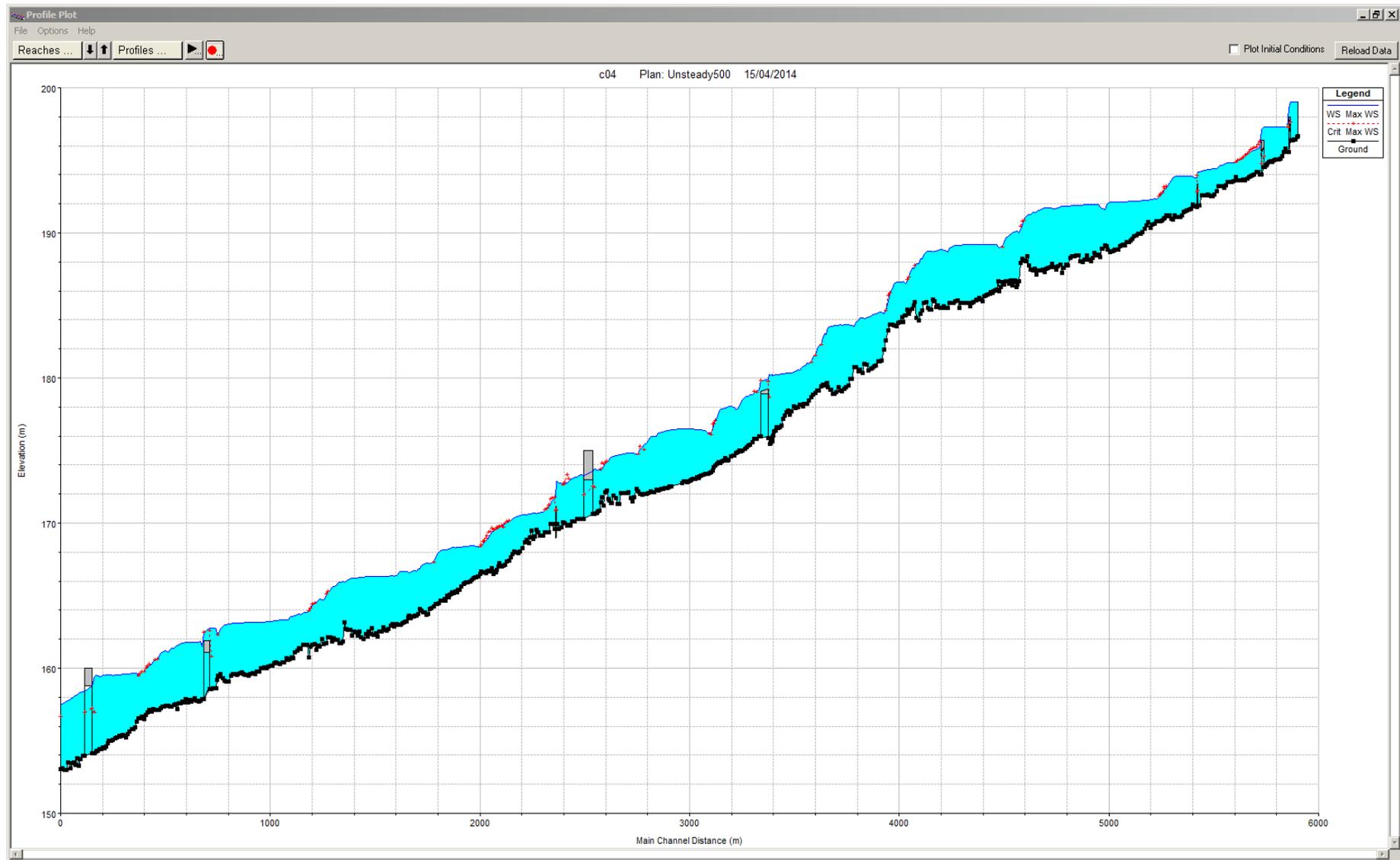
B.2.1. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ T=20 ΕΤΗ



B.2.2. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ T=100 ΕΤΗ



B.2.3. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ T=500 ΕΤΗ



B.3. ΠΙΝΑΚΕΣ ΑΠΟΤΕΛΕΣΜΑΤΩΝ ΕΠΙΛΥΣΕΩΝ

Β.3.1. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ $T=20$ ΕΤΗ

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	5,926.44	Max WS	25.13	196.69	198.26	1.57		198.26	0.000061	0.31	80.85	110.38	0.09
c04_01	5,921.05	Max WS	25.10	196.63	198.26	1.63		198.26	0.000052	0.30	84.79	109.57	0.08
c04_01	5,915.66	Max WS	25.07	196.45	198.26	1.81		198.26	0.000042	0.28	90.14	108.80	0.08
c04_01	5,908.94	Max WS	25.03	196.43	198.26	1.83		198.26	0.000003	0.26	97.81	107.60	0.07
c04_01	5,901.84	Max WS	25.00	196.36	198.25	1.89		198.26	0.000073	0.35	71.91	107.91	0.10
c04_01	5,885.72		Culvert										
c04_01	5,875.79	Max WS	25.00	195.56	196.68	1.12	196.82	197.04	0.008744	2.83	11.79	43.46	0.98
c04_01	5,868.52	Max WS	24.91	195.78	196.63	0.85	196.69	196.83	0.00886	2.50	16.22	65.65	0.97
c04_01	5,861.05	Max WS	23.49	195.55	196.62	1.07		196.70	0.002725	1.55	22.95	71.66	0.56
c04_01	5,853.30	Max WS	23.47	195.26	196.61	1.35		196.68	0.001896	1.41	25.39	68.17	0.47
c04_01	5,845.36	Max WS	23.47	195.09	196.62	1.53		196.66	0.001531	1.20	28.04	67.26	0.42
c04_01	5,836.44	Max WS	23.46	195.03	196.63	1.60		196.65	0.000324	0.67	46.57	67.08	0.20
c04_01	5,827.79	Max WS	23.46	195.05	196.63	1.58		196.65	0.000247	0.60	50.82	66.28	0.18
c04_01	5,819.49	Max WS	23.46	195.03	196.63	1.60		196.64	0.000216	0.58	53.28	68.23	0.17
c04_01	5,811.51	Max WS	23.46	194.99	196.63	1.64		196.64	0.000155	0.49	57.83	68.96	0.14
c04_01	5,803.89	Max WS	23.46	194.89	196.63	1.74		196.64	0.000146	0.52	55.40	52.73	0.14
c04_01	5,796.83	Max WS	23.46	194.96	196.63	1.67		196.64	0.000144	0.53	55.01	55.28	0.14
c04_01	5,789.45	Max WS	23.46	194.90	196.63	1.73		196.64	0.000183	0.58	49.85	54.47	0.15
c04_01	5,781.72	Max WS	23.46	194.78	196.63	1.85		196.64	0.000157	0.56	58.37	72.65	0.14
c04_01	5,775.16	Max WS	23.46	194.68	196.63	1.95		196.64	0.000121	0.50	63.48	72.96	0.13
c04_01	5,768.39	Max WS	23.46	194.52	196.63	2.11		196.64	0.000158	0.60	58.61	70.88	0.14
c04_01	5,756.42		Culvert										
c04_01	5,747.18	Max WS	23.46	194.04	195.25	1.21		195.69	0.002657	2.96	7.93	33.75	0.93
c04_01	5,737.70	Max WS	23.46	194.17	195.21	1.04	195.37	195.71	0.005349	3.48	10.72	38.75	1.31
c04_01	5,728.46	Max WS	23.46	194.22	195.16	0.94	195.30	195.62	0.008088	3.57	11.37	38.85	1.52
c04_01	5,719.47	Max WS	23.47	194.05	195.11	1.06	195.26	195.58	0.00621	3.57	11.83	38.96	1.34
c04_01	5,710.64	Max WS	23.47	193.94	195.07	1.13	195.16	195.41	0.003792	3.10	13.95	38.64	1.10
c04_01	5,702.95	Max WS	23.47	193.91	195.03	1.12	195.15	195.41	0.005912	3.47	12.91	37.94	1.35
c04_01	5,694.22	Max WS	23.46	193.83	194.97	1.14	195.03	195.23	0.011417	2.84	11.98	35.17	1.07
c04_01	5,685.11	Max WS	23.46	193.73	194.87	1.14	194.96	195.17	0.014563	3.11	11.05	33.19	1.17
c04_01	5,675.25	Max WS	23.45	193.62	194.75	1.13	194.86	195.09	0.015848	3.16	10.35	34.41	1.24
c04_01	5,665.77	Max WS	23.45	193.65	194.62	0.97	194.76	195.01	0.018327	3.33	9.46	31.72	1.28
c04_01	5,656.98	Max WS	23.44	193.60	194.53	0.93	194.54	194.74	0.008367	2.33	12.51	35.26	0.93
c04_01	5,648.71	Max WS	23.43	193.60	194.46	0.86	194.48	194.67	0.01077	2.29	12.18	35.85	0.95
c04_01	5,639.15	Max WS	23.42	193.61	194.40	0.79		194.54	0.006051	1.91	14.36	29.12	0.78
c04_01	5,628.99	Max WS	23.41	193.83	194.34	0.52		194.48	0.008024	1.54	13.96	33.55	0.84
c04_01	5,619.86	Max WS	23.40	193.59	194.30	0.71		194.39	0.00514	1.41	16.98	44.21	0.68
c04_01	5,610.93	Max WS	23.36	193.48	194.30	0.82		194.36	0.003256	1.41	21.14	59.85	0.58
c04_01	5,600.67	Max WS	23.31	193.53	194.28	0.75		194.33	0.002841	1.19	22.58	54.49	0.52
c04_01	5,591.00	Max WS	23.27	193.51	194.25	0.74		194.31	0.003705	1.25	21.64	61.44	0.58
c04_01	5,582.50	Max WS	23.22	193.30	194.21	0.91		194.28	0.004847	1.61	19.79	60.92	0.69
c04_01	5,575.57	Max WS	23.19	193.11	194.14	1.03		194.26	0.006978	2.17	16.59	52.95	0.82
c04_01	5,566.52	Max WS	23.16	193.24	194.10	0.86		194.21	0.006646	1.92	17.24	57.98	0.80
c04_01	5,557.31	Max WS	23.10	193.19	194.07	0.88		194.15	0.004766	1.65	19.42	58.67	0.68
c04_01	5,547.93	Max WS	23.04	193.24	194.00	0.76	194.04	194.16	0.012492	2.44	14.18	57.64	1.03
c04_01	5,538.49	Max WS	23.01	192.89	193.90	1.01	193.94	194.11	0.01127	2.75	13.41	48.08	1.03
c04_01	5,528.91	Max WS	22.79	192.64	193.82	1.18	193.89	194.02	0.008425	2.58	14.42	54.01	0.93
c04_01	5,520.62	Max WS	22.81	192.53	193.79	1.26	193.81	193.94	0.00719	2.39	16.40	56.90	0.82
c04_01	5,512.52	Max WS	22.82	192.51	193.73	1.22	193.78	193.92	0.010351	2.71	14.49	55.55	0.95
c04_01	5,504.95	Max WS	22.83	192.59	193.70	1.11		193.80	0.005427	1.90	18.09	55.71	0.67
c04_01	5,497.33	Max WS	22.84	192.67	193.66	0.99		193.78	0.004535	2.39	18.05	53.62	0.92
c04_01	5,488.44	Max WS	22.85	192.60	193.59	0.99	193.68	193.87	0.008428	3.50	14.22	50.74	1.32
c04_01	5,479.81	Max WS	22.86	192.60	193.53	0.93	193.63	193.84	0.009215	3.45	13.47	49.94	1.41

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	5,469.24	Max WS	12.90	192.56	193.50	0.94	193.50	193.61	0.002229	1.90	13.48	52.61	0.73
c04_01	5,458.73	Max WS	12.69	191.91	193.50	1.58		193.55	0.000391	1.14	19.50	49.23	0.30
c04_01	5,451.85	Max WS	12.44	191.92	193.50	1.58		193.54	0.000384	1.09	21.77	53.54	0.30
c04_01	5,447.77		Culvert										
c04_01	5,443.92	Max WS	22.88	191.79	192.97	1.18	193.35	194.12	0.010983	4.79	5.29	16.35	1.64
c04_01	5,435.08	Max WS	22.89	191.86	192.90	1.04	193.07	193.39	0.006364	3.29	9.91	37.43	1.29
c04_01	5,424.50	Max WS	22.89	191.97	192.85	0.88	192.91	193.08	0.004094	2.54	15.43	51.49	1.03
c04_01	5,416.45	Max WS	22.87	191.66	192.88	1.22		193.00	0.001494	1.87	21.22	55.09	0.65
c04_01	5,408.38	Max WS	22.85	191.60	192.88	1.28		192.99	0.001875	1.89	20.79	55.89	0.69
c04_01	5,399.15	Max WS	22.82	191.58	192.90	1.32		192.94	0.002096	0.76	26.62	51.27	0.26
c04_01	5,389.36	Max WS	22.80	191.47	192.90	1.43		192.93	0.001143	0.62	32.13	52.84	0.19
c04_01	5,380.91	Max WS	22.77	191.46	192.89	1.43		192.92	0.001126	0.59	31.79	53.55	0.19
c04_01	5,373.52	Max WS	22.75	191.22	192.89	1.67		192.91	0.000831	0.54	34.97	52.66	0.16
c04_01	5,365.17	Max WS	22.73	191.10	192.89	1.79		192.91	0.000663	0.45	38.06	54.69	0.14
c04_01	5,356.57	Max WS	22.70	191.11	192.88	1.77		192.90	0.000636	0.49	38.56	54.09	0.14
c04_01	5,348.29	Max WS	22.68	191.09	192.88	1.79		192.90	0.000573	0.45	41.28	55.16	0.14
c04_01	5,340.02	Max WS	22.65	191.21	192.87	1.66		192.89	0.000642	0.46	37.96	53.10	0.14
c04_01	5,331.83	Max WS	22.63	190.94	192.85	1.91		192.88	0.001844	0.84	26.90	50.93	0.25
c04_01	5,323.68	Max WS	22.62	190.99	192.74	1.75		192.91	0.011757	1.88	12.72	22.13	0.62
c04_01	5,315.51	Max WS	22.61	191.18	192.59	1.41	192.65	192.87	0.029567	2.35	9.99	24.12	0.92
c04_01	5,307.49	Max WS	22.61	191.14	192.40	1.26	192.36	192.66	0.026473	2.29	10.00	19.30	0.89
c04_01	5,300.31	Max WS	22.61	191.20	192.21	1.01		192.48	0.029623	2.32	9.74	15.45	0.93
c04_01	5,293.19	Max WS	22.61	191.02	192.11	1.09		192.31	0.01087	1.97	11.49	18.37	0.79
c04_01	5,286.01	Max WS	22.62	190.99	191.98	0.99	192.10	192.43	0.026911	2.99	7.66	13.34	1.19
c04_01	5,278.46	Max WS	22.62	190.87	191.85	0.98		192.05	0.009438	2.02	11.22	16.56	0.76
c04_01	5,271.53	Max WS	22.62	190.78	191.74	0.96	191.75	192.02	0.018315	2.34	9.67	17.88	1.02
c04_01	5,263.76	Max WS	22.61	190.82	191.65	0.83		191.86	0.013277	2.07	10.93	19.01	0.87
c04_01	5,253.07	Max WS	22.61	190.82	191.58	0.76		191.72	0.010751	1.65	13.69	28.82	0.76
c04_01	5,243.01	Max WS	22.59	190.63	191.56	0.93		191.63	0.004945	1.21	18.69	34.79	0.53
c04_01	5,233.33	Max WS	22.58	190.56	191.51	0.95		191.58	0.006635	1.24	18.16	40.60	0.59
c04_01	5,223.77	Max WS	22.57	190.37	191.45	1.08		191.53	0.005965	1.25	18.11	37.23	0.57
c04_01	5,214.34	Max WS	22.55	190.72	191.37	0.65		191.46	0.00917	1.34	16.87	43.48	0.68
c04_01	5,205.12	Max WS	22.54	190.51	191.28	0.77		191.38	0.009966	1.37	16.39	42.74	0.71
c04_01	5,196.33	Max WS	22.52	190.31	191.20	0.89		191.30	0.011003	1.41	15.97	43.38	0.74
c04_01	5,186.60	Max WS	22.41	190.06	191.17	1.11		191.23	0.004927	1.10	20.44	44.28	0.52
c04_01	5,176.78	Max WS	22.43	189.92	191.10	1.18		191.18	0.007405	1.25	18.00	43.62	0.62
c04_01	5,166.94	Max WS	22.45	189.94	191.04	1.10		191.11	0.006694	1.21	18.58	43.67	0.59
c04_01	5,157.10	Max WS	22.47	189.85	190.98	1.13		191.05	0.006862	1.21	18.56	44.14	0.60
c04_01	5,147.27	Max WS	22.49	189.78	190.87	1.09		190.97	0.011351	1.39	16.13	45.59	0.75
c04_01	5,138.24	Max WS	22.50	189.62	190.82	1.20		190.89	0.007149	1.22	18.42	44.51	0.61
c04_01	5,129.27	Max WS	22.50	189.47	190.77	1.30		190.84	0.00593	1.18	19.12	42.67	0.56
c04_01	5,120.34	Max WS	22.51	189.36	190.72	1.36		190.79	0.006028	1.18	19.10	42.98	0.56
c04_01	5,111.46	Max WS	22.51	189.35	190.69	1.34		190.75	0.003801	1.05	21.44	40.57	0.46
c04_01	5,102.60	Max WS	22.51	189.12	190.63	1.51		190.71	0.00646	1.25	18.03	38.86	0.59
c04_01	5,093.77	Max WS	22.50	189.19	190.61	1.42		190.67	0.003967	1.09	20.72	38.62	0.47
c04_01	5,085.71	Max WS	22.49	189.14	190.58	1.44		190.64	0.003734	1.07	21.00	38.11	0.46
c04_01	5,077.60	Max WS	22.47	189.08	190.56	1.48		190.61	0.003101	1.00	22.54	39.61	0.42
c04_01	5,069.46	Max WS	21.55	188.87	190.55	1.68		190.59	0.002398	0.91	23.72	39.53	0.37
c04_01	5,061.28	Max WS	21.57	188.86	190.52	1.66		190.57	0.002722	0.97	22.31	37.21	0.40
c04_01	5,053.97	Max WS	21.58	188.86	190.52	1.66		190.55	0.001552	0.81	27.54	46.85	0.31
c04_01	5,049.49	Max WS	21.59	188.80	190.52	1.72		190.55	0.000656	0.76	32.67	49.74	0.22
c04_01	5,043.82	Max WS	21.59	188.75	190.52	1.77		190.54	0.000475	0.67	35.86	48.60	0.19
c04_01	5,037.98	Max WS	21.60	188.72	190.52	1.80		190.54	0.000432	0.58	38.12	47.27	0.18

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	5,029.41	Max WS	21.61	188.67	190.51	1.84		190.54	0.00052	0.67	32.94	37.43	0.20
c04_01	5,020.32	Max WS	21.63	188.87	190.47	1.60		190.53	0.001806	1.08	20.03	20.38	0.35
c04_01	5,013.49	Max WS	21.63	189.07	190.36	1.29		190.51	0.00749	1.72	12.56	18.34	0.66
c04_01	5,006.71	Max WS	21.64	189.11	190.26	1.15	190.25	190.56	0.016327	2.45	8.83	13.80	0.98
c04_01	4,994.78	Max WS	20.59	188.90	190.18	1.28		190.29	0.003723	1.50	13.73	14.43	0.49
c04_01	4,989.56	Max WS	20.59	188.93	190.19	1.26		190.28	0.002426	1.33	15.52	14.98	0.40
c04_01	4,983.08	Max WS	20.60	188.35	190.21	1.86		190.27	0.001558	1.09	18.89	15.61	0.32
c04_01	4,975.56	Max WS	21.64	188.50	190.23	1.73		190.26	0.000538	0.71	31.00	30.75	0.20
c04_01	4,963.08	Max WS	21.62	188.43	190.23	1.80		190.25	0.000531	0.64	33.79	30.68	0.19
c04_01	4,955.36	Max WS	21.60	188.64	190.23	1.59		190.25	0.000435	0.57	37.57	34.40	0.18
c04_01	4,948.13	Max WS	21.58	188.30	190.23	1.93		190.25	0.000376	0.54	40.05	35.51	0.16
c04_01	4,941.11	Max WS	21.57	188.06	190.23	2.17		190.24	0.000389	0.55	39.12	33.68	0.16
c04_01	4,933.63	Max WS	21.55	188.14	190.22	2.08		190.24	0.000506	0.60	35.72	33.15	0.19
c04_01	4,926.26	Max WS	20.69	188.16	190.21	2.05		190.23	0.000681	0.65	31.80	33.51	0.21
c04_01	4,918.95	Max WS	20.70	188.43	190.21	1.78		190.23	0.000685	0.62	33.15	37.21	0.21
c04_01	4,909.18	Max WS	20.71	188.18	190.20	2.02		190.22	0.001045	0.71	29.24	37.78	0.26
c04_01	4,899.33	Max WS	20.73	187.98	190.18	2.20		190.21	0.002418	0.72	28.63	32.60	0.25
c04_01	4,889.66	Max WS	20.74	188.06	190.16	2.10		190.19	0.001727	0.64	32.27	34.06	0.21
c04_01	4,879.72	Max WS	20.75	188.42	190.16	1.74		190.17	0.00097	0.53	39.16	36.35	0.16
c04_01	4,869.88	Max WS	20.77	188.43	190.15	1.72		190.16	0.00062	0.46	45.55	37.79	0.13
c04_01	4,860.10	Max WS	20.78	188.37	190.15	1.78		190.16	0.000474	0.42	49.97	39.01	0.12
c04_01	4,850.39	Max WS	20.79	188.39	190.15	1.76		190.16	0.000448	0.42	49.74	42.25	0.12
c04_01	4,840.54	Max WS	20.80	188.26	190.14	1.88		190.15	0.000504	0.46	45.50	31.97	0.12
c04_01	4,830.48	Max WS	20.81	187.78	190.14	2.36		190.15	0.000335	0.40	52.65	33.78	0.10
c04_01	4,820.86	Max WS	20.82	187.80	190.14	2.34		190.14	0.000282	0.38	54.21	31.59	0.09
c04_01	4,811.07	Max WS	20.83	187.59	190.13	2.54		190.14	0.000214	0.35	60.21	38.04	0.08
c04_01	4,802.89	Max WS	20.83	187.22	190.13	2.91		190.14	0.000242	0.37	56.19	30.06	0.09
c04_01	4,793.60	Max WS	20.85	187.82	190.12	2.30		190.14	0.000665	0.58	35.84	21.01	0.14
c04_01	4,783.13	Max WS	20.86	187.68	190.10	2.42		190.13	0.00091	0.69	30.23	17.09	0.17
c04_01	4,772.41	Max WS	20.87	187.45	190.09	2.64		190.12	0.001014	0.70	29.92	17.15	0.17
c04_01	4,763.49	Max WS	20.88	187.65	190.09	2.44		190.11	0.000682	0.57	36.61	20.91	0.14
c04_01	4,754.33	Max WS	20.89	187.87	190.09	2.22		190.10	0.000626	0.55	37.87	23.06	0.14
c04_01	4,745.19	Max WS	20.90	187.67	190.09	2.42		190.10	0.000198	0.34	61.01	39.77	0.08
c04_01	4,736.10	Max WS	20.91	187.61	190.09	2.48		190.10	0.000172	0.33	64.00	38.13	0.08
c04_01	4,727.06	Max WS	20.92	187.53	190.09	2.56		190.10	0.000121	0.29	73.22	41.47	0.06
c04_01	4,718.42	Max WS	20.92	187.29	190.09	2.80		190.10	0.000128	0.29	71.35	34.22	0.06
c04_01	4,709.95	Max WS	20.93	187.45	190.09	2.64		190.09	0.000291	0.39	54.02	31.92	0.10
c04_01	4,701.67	Max WS	20.94	187.40	190.08	2.68		190.09	0.000536	0.52	39.90	22.41	0.13
c04_01	4,693.61	Max WS	20.95	187.40	190.07	2.67		190.09	0.000613	0.58	36.37	19.73	0.14
c04_01	4,685.96	Max WS	20.96	187.40	190.06	2.66		190.08	0.0007	0.63	33.51	17.95	0.15
c04_01	4,678.64	Max WS	20.97	187.10	190.04	2.94		190.07	0.00115	0.76	27.48	15.43	0.18
c04_01	4,671.32	Max WS	20.98	187.53	190.03	2.50		190.06	0.001325	0.80	26.32	15.47	0.20
c04_01	4,664.06	Max WS	20.99	187.40	190.04	2.64		190.06	0.000534	0.56	37.35	18.93	0.13
c04_01	4,657.12	Max WS	21.00	187.47	190.01	2.54		190.05	0.001838	0.86	24.50	17.20	0.23
c04_01	4,650.14	Max WS	21.00	187.48	190.00	2.52		190.04	0.002097	0.84	24.87	19.36	0.24
c04_01	4,643.13	Max WS	21.01	187.73	190.00	2.27		190.02	0.001438	0.74	28.59	31.49	0.20
c04_01	4,635.87	Max WS	21.01	188.40	189.96	1.56		190.01	0.003472	0.94	22.27	43.42	0.30
c04_01	4,628.76	Max WS	21.01	188.06	189.93	1.87		189.99	0.002975	0.91	21.55	52.09	0.28
c04_01	4,620.43	Max WS	21.02	188.10	189.76	1.66		189.93	0.014191	1.78	11.81	47.79	0.58
c04_01	4,613.28	Max WS	21.02	188.19	189.48	1.29	189.57	189.89	0.068409	2.84	7.41	41.42	1.20
c04_01	4,605.74	Max WS	21.03	187.93	188.83	0.90	189.05	189.54	0.113864	3.72	5.66	17.74	1.58
c04_01	4,597.18	Max WS	21.04	186.68	188.32	1.64		188.45	0.012061	1.58	13.32	15.62	0.55
c04_01	4,589.91	Max WS	21.05	186.41	188.36	1.95		188.38	0.001045	0.63	33.26	24.57	0.17

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	4,583.87	Max WS	21.05	186.29	188.36	2.07		188.38	0.000976	0.63	33.51	23.86	0.17
c04_01	4,578.24	Max WS	21.05	186.72	188.33	1.61		188.37	0.002759	0.86	24.60	23.99	0.27
c04_01	4,572.18	Max WS	21.06	186.59	188.31	1.72		188.35	0.003322	0.90	23.29	23.73	0.29
c04_01	4,565.35	Max WS	21.06	186.36	188.29	1.93		188.33	0.002273	0.85	24.69	20.35	0.25
c04_01	4,558.59	Max WS	21.06	186.75	188.24	1.49		188.31	0.005071	1.14	18.51	19.90	0.36
c04_01	4,550.73	Max WS	21.06	186.52	188.20	1.68		188.27	0.004695	1.12	18.72	24.93	0.35
c04_01	4,542.73	Max WS	21.06	186.69	188.15	1.46		188.23	0.005762	1.23	17.15	31.06	0.39
c04_01	4,534.84	Max WS	21.06	186.69	188.08	1.39		188.17	0.00728	1.34	15.77	32.30	0.44
c04_01	4,526.43	Max WS	21.06	186.46	187.98	1.52		188.10	0.009445	1.56	13.51	22.18	0.49
c04_01	4,517.97	Max WS	21.07	186.62	187.70	1.08		187.97	0.029195	2.31	9.14	20.85	0.84
c04_01	4,510.04	Max WS	20.87	186.27	187.68	1.41		187.79	0.008727	1.43	14.57	22.93	0.47
c04_01	4,502.64	Max WS	20.88	185.99	187.63	1.64		187.73	0.007837	1.35	15.45	35.98	0.44
c04_01	4,498.24	Max WS	20.23	186.68	187.51	1.20	187.51	187.77	0.046627	2.23	9.07	37.57	1.00
c04_01	4,491.18	Max WS	20.23	186.07	187.35	1.28		187.37	0.002058	0.67	30.02	45.02	0.23
c04_01	4,482.07	Max WS	20.22	186.03	187.34	1.31		187.36	0.001427	0.53	37.90	48.55	0.19
c04_01	4,475.31	Max WS	20.21	185.96	187.34	1.38		187.35	0.000794	0.42	48.15	63.38	0.14
c04_01	4,469.56	Max WS	20.20	185.89	187.33	1.44		187.35	0.001071	0.46	44.10	62.11	0.16
c04_01	4,463.85	Max WS	20.19	185.90	187.33	1.43		187.34	0.000981	0.45	45.37	62.54	0.16
c04_01	4,456.64	Max WS	20.18	185.78	187.32	1.54		187.33	0.001028	0.45	45.17	64.15	0.16
c04_01	4,448.08	Max WS	20.16	185.76	187.32	1.56		187.33	0.000672	0.38	53.35	71.15	0.13
c04_01	4,439.69	Max WS	20.14	185.71	187.31	1.60		187.32	0.00074	0.38	52.81	76.89	0.14
c04_01	4,431.81	Max WS	20.11	185.61	187.31	1.70		187.32	0.000549	0.34	58.53	79.61	0.12
c04_01	4,424.28	Max WS	20.09	185.26	187.31	2.05		187.31	0.000346	0.29	69.30	76.20	0.10
c04_01	4,416.83	Max WS	20.07	185.41	187.31	1.89		187.31	0.000329	0.30	67.40	66.25	0.09
c04_01	4,406.80	Max WS	20.04	185.53	187.30	1.77		187.31	0.000282	0.30	67.38	59.29	0.09
c04_01	4,396.87	Max WS	20.01	185.40	187.30	1.90		187.30	0.000205	0.27	74.39	60.16	0.08
c04_01	4,389.43	Max WS	19.99	185.35	187.30	1.95		187.30	0.00015	0.24	83.00	62.13	0.07
c04_01	4,381.48	Max WS	19.57	185.22	187.30	2.08		187.30	0.000148	0.23	85.59	69.02	0.07
c04_01	4,372.98	Max WS	19.58	185.18	187.30	2.12		187.30	0.0001	0.20	99.52	74.18	0.05
c04_01	4,364.24	Max WS	19.59	184.96	187.30	2.34		187.30	0.000087	0.19	102.80	72.49	0.05
c04_01	4,355.38	Max WS	19.60	185.15	187.30	2.15		187.30	0.000095	0.19	101.34	74.55	0.05
c04_01	4,347.14	Max WS	19.61	185.15	187.30	2.15		187.30	0.000125	0.22	90.87	69.66	0.06
c04_01	4,338.91	Max WS	19.61	185.19	187.29	2.10		187.30	0.000188	0.25	76.92	62.30	0.07
c04_01	4,330.67	Max WS	19.62	185.20	187.29	2.09		187.30	0.000197	0.26	74.17	59.22	0.08
c04_01	4,322.20	Max WS	19.63	185.16	187.29	2.13		187.29	0.00033	0.32	61.89	55.22	0.10
c04_01	4,313.86	Max WS	19.64	184.82	187.28	2.46		187.29	0.000493	0.41	47.55	37.47	0.12
c04_01	4,304.19	Max WS	19.65	185.36	187.25	1.89		187.28	0.002047	0.71	27.55	28.12	0.23
c04_01	4,294.51	Max WS	19.66	185.31	187.23	1.92		187.26	0.001612	0.76	26.03	19.92	0.21
c04_01	4,284.76	Max WS	19.67	185.18	187.22	2.04		187.25	0.001388	0.74	26.75	18.82	0.20
c04_01	4,275.24	Max WS	19.68	185.19	187.21	2.02		187.24	0.001139	0.70	28.11	17.74	0.18
c04_01	4,265.81	Max WS	19.69	185.15	187.20	2.05		187.22	0.001393	0.73	27.09	19.59	0.20
c04_01	4,256.49	Max WS	19.70	184.84	187.13	2.29		187.20	0.004084	1.19	16.59	11.66	0.32
c04_01	4,247.21	Max WS	19.71	184.81	187.14	2.33		187.17	0.001398	0.78	25.39	15.96	0.20
c04_01	4,237.94	Max WS	19.72	184.92	187.13	2.21		187.16	0.001804	0.78	25.19	19.49	0.22
c04_01	4,228.99	Max WS	19.73	184.82	187.13	2.31		187.15	0.000655	0.54	36.83	24.72	0.14
c04_01	4,220.07	Max WS	19.74	184.81	187.13	2.32		187.14	0.000397	0.46	43.03	24.92	0.11
c04_01	4,211.18	Max WS	19.74	184.98	187.11	2.13		187.14	0.001217	0.68	29.25	21.46	0.18
c04_01	4,202.58	Max WS	19.75	184.89	187.06	2.17		187.12	0.004152	1.00	19.70	20.07	0.32
c04_01	4,194.35	Max WS	19.76	185.31	187.06	1.75		187.09	0.001849	0.80	24.75	19.87	0.23
c04_01	4,186.20	Max WS	19.77	185.42	187.02	1.60		187.07	0.003777	0.94	20.85	28.66	0.31
c04_01	4,177.89	Max WS	19.77	184.73	187.03	2.30		187.05	0.000589	0.49	38.20	37.96	0.13
c04_01	4,169.51	Max WS	19.78	184.71	187.03	2.32		187.05	0.000369	0.40	43.23	47.45	0.10
c04_01	4,161.23	Max WS	19.78	184.82	187.03	2.21		187.04	0.000128	0.22	45.62	55.05	0.06

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	4,153.02	Max WS	19.79	185.22	187.02	2.47		187.04	0.000198	0.20	39.27	59.10	0.07
c04_01	4,143.44	Max WS	19.79	185.20	186.81	1.61		187.00	0.034144	1.96	10.16	57.96	0.85
c04_01	4,134.15	Max WS	19.80	184.63	186.68	2.05		186.80	0.006505	1.48	13.36	25.61	0.41
c04_01	4,125.15	Max WS	19.80	184.45	186.67	2.22		186.75	0.004465	1.25	15.88	12.20	0.35
c04_01	4,117.02	Max WS	19.81	183.96	186.64	2.68		186.71	0.003604	1.21	16.37	10.38	0.31
c04_01	4,108.92	Max WS	19.82	184.12	186.63	2.51		186.69	0.002881	1.09	18.11	11.83	0.28
c04_01	4,100.84	Max WS	19.83	185.23	186.37	1.14	186.35	186.69	0.040531	2.49	7.96	11.59	0.96
c04_01	4,094.20	Max WS	19.83	184.98	186.29	1.31		186.40	0.009506	1.43	13.90	16.04	0.49
c04_01	4,087.44	Max WS	19.84	184.76	186.24	1.48		186.33	0.010452	1.35	14.73	19.85	0.50
c04_01	4,077.50	Max WS	19.85	184.67	186.10	1.43		186.22	0.011768	1.59	12.51	14.40	0.54
c04_01	4,070.70	Max WS	19.85	184.45	185.90	1.45		186.11	0.027125	2.00	9.95	15.12	0.79
c04_01	4,063.42	Max WS	19.86	184.74	185.60	0.86	185.65	185.94	0.063765	2.60	7.64	15.17	1.17
c04_01	4,057.78	Max WS	19.87	184.31	185.35	1.04		185.57	0.029031	2.03	9.77	15.44	0.82
c04_01	4,051.95	Max WS	19.87	184.31	185.33	1.02		185.43	0.013293	1.39	14.33	22.64	0.56
c04_01	4,045.36	Max WS	19.88	183.83	185.34	1.51		185.37	0.003077	0.79	25.17	30.65	0.28
c04_01	4,038.89	Max WS	19.88	184.17	185.30	1.13		185.34	0.005517	0.91	21.80	38.11	0.36
c04_01	4,028.93	Max WS	19.89	183.84	185.25	1.41		185.29	0.005057	0.87	22.89	35.72	0.34
c04_01	4,021.46	Max WS	19.89	183.77	185.24	1.47		185.26	0.001929	0.67	29.83	35.45	0.22
c04_01	4,013.76	Max WS	19.89	183.59	185.24	1.65		185.25	0.00086	0.53	37.32	34.41	0.16
c04_01	4,007.01	Max WS	19.89	183.60	185.23	1.63		185.25	0.000721	0.52	38.56	30.97	0.15
c04_01	4,000.18	Max WS	19.90	183.63	185.22	1.59		185.24	0.001595	0.67	29.71	28.34	0.21
c04_01	3,990.79	Max WS	19.90	183.69	185.11	1.42		185.20	0.008609	1.39	14.33	15.86	0.47
c04_01	3,981.56	Max WS	19.91	183.67	184.86	1.19		185.06	0.027158	1.98	10.05	15.77	0.79
c04_01	3,972.58	Max WS	19.92	183.29	184.33	1.04	184.49	184.86	0.096457	3.24	6.14	11.77	1.43
c04_01	3,962.33	Max WS	19.92	182.59	183.43	0.84	183.56	183.88	0.091277	2.97	6.71	14.22	1.38
c04_01	3,952.35	Max WS	19.93	181.94	182.86	0.92		183.07	0.032525	2.01	9.91	17.34	0.85
c04_01	3,942.63	Max WS	19.93	181.21	182.82	1.61		182.85	0.001896	0.72	27.77	25.81	0.22
c04_01	3,933.15	Max WS	19.94	181.15	182.79	1.64		182.82	0.002976	0.83	24.02	25.27	0.27
c04_01	3,924.40	Max WS	19.94	181.15	182.76	1.61		182.80	0.003051	0.88	22.53	22.44	0.28
c04_01	3,915.64	Max WS	19.94	180.89	182.74	1.85		182.77	0.002213	0.85	23.45	19.34	0.25
c04_01	3,906.86	Max WS	19.95	180.83	182.72	1.89		182.76	0.002069	0.84	23.85	19.04	0.24
c04_01	3,898.07	Max WS	19.95	180.71	182.70	1.99		182.74	0.002549	0.89	22.47	18.82	0.26
c04_01	3,889.29	Max WS	19.95	180.63	182.67	2.04		182.72	0.002179	0.89	22.31	16.63	0.25
c04_01	3,879.53	Max WS	19.96	180.51	182.66	2.15		182.69	0.002081	0.86	23.16	17.80	0.24
c04_01	3,869.72	Max WS	19.96	180.91	182.58	1.67		182.65	0.006887	1.20	16.63	19.22	0.41
c04_01	3,859.84	Max WS	19.97	180.97	182.39	1.42		182.53	0.020387	1.61	12.39	21.24	0.67
c04_01	3,849.87	Max WS	19.91	180.32	182.38	2.06		182.40	0.001656	0.71	27.85	24.30	0.21
c04_01	3,839.78	Max WS	19.92	180.55	182.33	1.78		182.37	0.004627	0.95	20.89	25.48	0.34
c04_01	3,829.82	Max WS	19.92	180.47	182.22	1.75		182.31	0.008994	1.31	15.25	19.22	0.47
c04_01	3,820.09	Max WS	19.93	180.76	182.10	1.34		182.21	0.01076	1.50	13.31	15.49	0.52
c04_01	3,810.45	Max WS	19.97	180.73	181.80	1.07	181.78	182.12	0.042036	2.53	7.90	11.52	0.97
c04_01	3,800.81	Max WS	19.95	179.96	181.55	1.59		181.72	0.017713	1.85	10.77	13.04	0.65
c04_01	3,791.16	Max WS	19.95	179.93	181.51	1.58		181.60	0.007931	1.35	14.83	16.21	0.45
c04_01	3,781.63	Max WS	19.96	179.46	181.52	2.06		181.55	0.001477	0.76	26.25	18.65	0.20
c04_01	3,772.12	Max WS	19.97	179.37	181.50	2.13		181.54	0.001779	0.80	24.95	18.82	0.22
c04_01	3,762.60	Max WS	19.97	179.23	181.50	2.27		181.52	0.001059	0.69	29.09	19.03	0.18
c04_01	3,753.10	Max WS	19.97	179.08	181.49	2.41		181.51	0.000853	0.65	30.93	18.71	0.16
c04_01	3,743.64	Max WS	19.98	179.14	181.49	2.35		181.51	0.000605	0.53	37.42	23.40	0.13
c04_01	3,734.39	Max WS	19.98	179.35	181.47	2.12		181.50	0.001182	0.68	29.28	20.86	0.18
c04_01	3,725.12	Max WS	19.99	179.00	181.47	2.47		181.49	0.000769	0.61	32.83	20.06	0.15
c04_01	3,715.85	Max WS	19.99	178.89	181.47	2.58		181.48	0.000576	0.56	35.85	20.11	0.13
c04_01	3,706.58	Max WS	20.00	178.93	181.46	2.53		181.48	0.000563	0.55	36.35	20.56	0.13
c04_01	3,701.04	Max WS	20.00	179.18	181.45	2.27		181.47	0.000864	0.64	31.09	18.67	0.16

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	3,695.52	Max WS	20.00	179.18	181.45	2.27		181.47	0.000841	0.65	30.95	18.24	0.16
c04_01	3,685.90	Max WS	20.01	179.35	181.42	2.07		181.46	0.001828	0.86	23.39	16.46	0.23
c04_01	3,680.71	Max WS	20.01	179.63	181.35	1.72		181.44	0.005393	1.33	15.03	11.96	0.38
c04_01	3,675.50	Max WS	20.02	179.59	181.22	1.63		181.40	0.012121	1.86	10.77	9.33	0.55
c04_01	3,668.38	Max WS	20.02	179.48	181.22	1.74		181.33	0.007283	1.46	13.74	11.62	0.43
c04_01	3,661.24	Max WS	20.03	179.54	181.08	1.54		181.26	0.01367	1.86	10.79	10.41	0.58
c04_01	3,651.77	Max WS	20.03	179.44	180.74	1.30		181.08	0.033086	2.57	7.81	8.78	0.87
c04_01	3,642.41	Max WS	20.04	179.14	180.58	1.44		180.81	0.020705	2.13	9.42	9.91	0.70
c04_01	3,633.09	Max WS	20.05	179.15	180.39	1.24		180.62	0.020601	2.10	9.53	10.62	0.71
c04_01	3,623.81	Max WS	20.05	178.94	180.18	1.24		180.43	0.021671	2.18	9.20	9.98	0.72
c04_01	3,614.43	Max WS	20.06	178.87	180.12	1.25		180.27	0.011334	1.68	11.93	11.70	0.53
c04_01	3,604.98	Max WS	20.07	178.67	179.81	1.14	179.78	180.12	0.038898	2.48	8.08	11.55	0.95
c04_01	3,595.57	Max WS	20.07	178.42	179.69	1.27		179.82	0.012429	1.55	12.95	16.10	0.55
c04_01	3,587.69	Max WS	20.08	178.24	179.68	1.44		179.75	0.005424	1.15	17.44	18.25	0.38
c04_01	3,579.66	Max WS	20.08	178.23	179.64	1.41		179.70	0.004961	1.16	17.31	16.53	0.36
c04_01	3,571.46	Max WS	20.09	178.19	179.59	1.40		179.66	0.00566	1.15	17.43	18.73	0.38
c04_01	3,564.48	Max WS	20.09	178.05	179.59	1.53		179.63	0.003136	0.95	21.20	19.51	0.29
c04_01	3,557.23	Max WS	20.10	178.14	179.54	1.40		179.60	0.005082	1.06	18.98	21.34	0.36
c04_01	3,550.06	Max WS	20.10	178.14	179.39	1.25		179.52	0.021544	1.62	12.38	21.73	0.69
c04_01	3,540.74	Max WS	20.10	177.99	179.33	1.34		179.39	0.007308	1.11	18.03	25.09	0.42
c04_01	3,531.38	Max WS	20.10	177.91	179.28	1.37		179.34	0.004605	1.02	19.80	22.06	0.34
c04_01	3,521.78	Max WS	20.11	178.07	179.21	1.14		179.28	0.007471	1.16	17.37	23.10	0.43
c04_01	3,512.17	Max WS	20.11	177.69	179.15	1.46		179.22	0.006786	1.17	17.18	20.56	0.41
c04_01	3,503.73	Max WS	20.11	177.49	179.12	1.63		179.17	0.00414	0.99	20.22	21.48	0.33
c04_01	3,495.47	Max WS	20.11	177.73	178.99	1.26		179.10	0.013611	1.49	13.49	19.06	0.57
c04_01	3,486.78	Max WS	20.11	177.63	178.94	1.31		179.01	0.005739	1.17	17.18	18.34	0.39
c04_01	3,478.03	Max WS	20.11	177.44	178.91	1.47		178.97	0.00441	1.06	18.95	19.31	0.34
c04_01	3,470.57	Max WS	20.11	177.20	178.86	1.66		178.93	0.006177	1.18	17.05	18.98	0.40
c04_01	3,462.72	Max WS	20.11	176.72	178.84	2.12		178.90	0.003873	1.07	19.33	32.15	0.32
c04_01	3,454.82	Max WS	20.10	176.62	178.81	2.19		178.87	0.003973	1.05	19.63	31.24	0.32
c04_01	3,446.87	Max WS	20.10	176.55	178.80	2.25		178.84	0.002589	0.89	22.80	29.32	0.26
c04_01	3,440.68	Max WS	20.09	176.60	178.78	2.18		178.83	0.002838	0.91	22.39	27.91	0.27
c04_01	3,434.57	Max WS	20.09	176.40	178.78	2.38		178.81	0.002566	0.78	25.75	28.03	0.25
c04_01	3,429.66	Max WS	20.09	176.30	178.76	2.46		178.80	0.002613	0.78	25.66	27.06	0.26
c04_01	3,424.47	Max WS	20.09	176.02	178.75	2.73		178.78	0.003001	0.81	24.68	26.83	0.27
c04_01	3,421.33	Max WS	20.09	175.93	178.74	2.81		178.77	0.001862	0.81	25.41	26.52	0.22
c04_01	3,419.34	Max WS	20.09	175.66	178.75	3.09		178.77	0.001116	0.67	30.81	28.87	0.17
c04_01	3,416.54	Max WS	20.08	175.65	178.75	3.10		178.77	0.000535	0.53	39.15	31.90	0.13
c04_01	3,413.20	Max WS	32.78	175.51	178.71	3.20		178.74	0.001017	0.86	38.52	31.00	0.18
c04_01	3,409.84	Max WS	32.79	175.48	178.71	3.23		178.74	0.000086	0.80	41.00	37.67	0.17
c04_01	3,404.91	Max WS	32.77	175.86	178.67	2.81	177.10	178.73	0.001575	1.14	28.67	57.65	0.23
c04_01	3,375.38		Bridge										
c04_01	3,355.31	Max WS	32.77	176.00	178.14	2.14		178.26	0.004225	1.34	22.51	138.27	0.33
c04_01	3,345.16	Max WS	32.73	175.80	178.03	2.23		178.23	0.006816	1.43	18.72	137.96	0.39
c04_01	3,334.55	Max WS	32.70	175.79	177.68	1.89	177.86	178.33	0.068194	3.31	9.33	103.39	1.20
c04_01	3,323.92	Max WS	32.75	175.60	177.27	1.67		177.48	0.018086	2.07	15.90	76.03	0.68
c04_01	3,314.93	Max WS	32.81	175.43	177.23	1.80		177.36	0.007017	1.58	20.63	72.30	0.44
c04_01	3,307.30	Max WS	32.85	175.36	177.17	1.81		177.31	0.007228	1.54	20.35	67.54	0.44
c04_01	3,298.19	Max WS	32.90	175.24	177.11	1.87		177.25	0.006677	1.47	20.84	66.56	0.43
c04_01	3,289.09	Max WS	32.95	175.10	177.09	1.99		177.19	0.005033	1.42	22.68	54.96	0.38
c04_01	3,279.97	Max WS	33.01	175.01	176.93	1.92		177.12	0.012148	1.93	17.13	18.55	0.55
c04_01	3,270.87	Max WS	33.09	174.92	176.89	1.97		177.03	0.006887	1.65	20.04	13.37	0.43
c04_01	3,263.30	Max WS	33.15	175.01	176.79	1.78		176.97	0.010031	1.88	17.61	12.53	0.51

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	3,255.64	Max WS	33.22	174.88	176.65	1.77		176.87	0.014816	2.11	15.72	13.15	0.62
c04_01	3,247.88	Max WS	33.29	174.80	176.63	1.83		176.78	0.010154	1.70	19.63	19.55	0.52
c04_01	3,240.01	Max WS	33.34	174.63	176.65	2.02		176.72	0.003505	1.26	28.09	32.87	0.32
c04_01	3,232.90	Max WS	33.41	174.65	176.64	1.99		176.70	0.003115	1.11	31.04	40.52	0.29
c04_01	3,224.06	Max WS	33.47	174.58	176.61	2.03		176.67	0.003809	1.05	31.06	52.44	0.31
c04_01	3,212.24	Max WS	33.54	174.34	176.59	2.25		176.63	0.002362	0.98	36.28	49.62	0.26
c04_01	3,205.22	Max WS	33.60	174.29	176.55	2.26		176.61	0.003457	1.17	30.65	43.86	0.30
c04_01	3,196.38	Max WS	33.65	174.48	176.49	2.01		176.58	0.005597	1.37	26.04	39.53	0.39
c04_01	3,186.75	Max WS	33.70	174.31	176.36	2.05		176.51	0.011439	1.82	19.67	31.13	0.54
c04_01	3,179.86	Max WS	33.75	174.26	176.22	1.96		176.43	0.014728	2.06	16.89	23.99	0.61
c04_01	3,173.26	Max WS	33.81	174.12	176.20	2.08		176.35	0.007907	1.73	19.50	13.98	0.47
c04_01	3,164.31	Max WS	33.87	174.19	175.98	1.78		176.24	0.017842	2.28	14.88	12.65	0.67
c04_01	3,155.57	Max WS	33.94	174.08	175.92	1.84		176.11	0.009974	1.93	17.63	12.51	0.52
c04_01	3,149.00	Max WS	34.00	173.95	175.73	1.78		176.02	0.019217	2.39	14.24	12.38	0.71
c04_01	3,141.41	Max WS	34.05	173.85	175.56	1.71		175.87	0.020573	2.46	13.87	12.11	0.73
c04_01	3,134.32	Max WS	34.10	173.64	175.30	1.66		175.74	0.033286	2.94	11.61	11.07	0.92
c04_01	3,126.62	Max WS	34.14	173.51	175.24	1.73		175.47	0.013362	2.13	16.23	14.81	0.59
c04_01	3,119.89	Max WS	34.19	173.42	175.15	1.73		175.42	0.015593	2.33	14.86	17.92	0.64
c04_01	3,112.55	Max WS	34.26	173.39	175.03	1.64		175.31	0.016009	2.32	14.86	14.88	0.65
c04_01	3,105.66	Max WS	34.35	173.38	174.78	1.40		175.20	0.030013	2.88	11.91	10.60	0.87
c04_01	3,098.94	Max WS	34.40	173.37	174.66	1.29		175.10	0.002231	2.95	11.67	10.81	0.91
c04_01	3,090.84	Max WS	34.46	173.31	174.64	1.33	174.72	175.21	0.003505	3.36	10.24	11.31	1.13
c04_01	3,081.63	Max WS	34.52	173.25	174.61	1.36		175.03	0.002214	2.88	11.99	11.53	0.90
c04_01	3,074.08	Max WS	34.58	173.20	174.64	1.44		174.99	0.001664	2.61	13.25	11.96	0.79
c04_01	3,067.28	Max WS	34.64	173.13	174.62	1.49		174.98	0.001769	2.68	12.93	11.73	0.81
c04_01	3,060.11	Max WS	34.71	173.14	174.61	1.47		174.92	0.001387	2.47	14.03	11.83	0.73
c04_01	3,051.73	Max WS	34.78	173.06	174.61	1.55		174.88	0.001123	2.30	15.12	11.98	0.65
c04_01	3,042.28	Max WS	34.83	173.02	174.48	1.46		174.89	0.001869	2.82	12.34	10.62	0.84
c04_01	3,034.24	Max WS	34.88	173.00	174.41	1.41		174.92	0.00251	3.16	11.03	9.48	0.94
c04_01	3,028.65	Max WS	34.94	172.95	174.44	1.49		174.86	0.001973	2.86	12.21	10.71	0.86
c04_01	3,021.29	Max WS	34.99	172.90	174.54	1.64		174.82	0.001044	2.32	15.08	10.91	0.63
c04_01	3,012.96	Max WS	35.03	172.84	174.55	1.71		174.81	0.000967	2.24	15.62	11.53	0.62
c04_01	3,006.64	Max WS	35.08	172.86	174.47	1.61		174.80	0.001386	2.57	13.63	10.40	0.72
c04_01	2,997.72	Max WS	35.14	172.86	174.60	1.74		174.79	0.000692	1.90	18.46	13.80	0.53
c04_01	2,989.11	Max WS	35.20	172.76	174.65	1.89		174.78	0.000456	1.59	22.11	15.93	0.43
c04_01	2,937.75	Max WS	35.28	172.51	174.67	2.16		174.76	0.000253	1.29	27.34	16.44	0.32
c04_01	2,929.92	Max WS	35.40	172.50	174.58	2.08		174.76	0.000625	1.87	18.90	11.62	0.46
c04_01	2,926.73	Max WS	35.42	172.46	174.57	2.11		174.75	0.000757	1.91	18.56	10.52	0.46
c04_01	2,919.09	Max WS	35.48	172.44	174.57	2.13		174.75	0.000684	1.88	18.85	10.48	0.45
c04_01	2,908.35	Max WS	35.57	172.39	174.59	2.20		174.74	0.000607	1.72	20.67	14.00	0.45
c04_01	2,899.97	Max WS	35.63	172.37	174.57	2.20		174.74	0.000555	1.79	19.94	12.17	0.45
c04_01	2,891.55	Max WS	35.70	172.34	174.57	2.23		174.73	0.000556	1.79	19.95	18.70	0.45
c04_01	2,883.05	Max WS	35.76	172.31	174.58	2.27		174.73	0.000486	1.68	21.33	40.15	0.41
c04_01	2,874.52	Max WS	35.83	172.27	174.63	2.36		174.72	0.000235	1.31	27.25	66.37	0.31
c04_01	2,865.99	Max WS	35.89	172.28	174.56	2.28		174.72	0.000509	1.76	20.35	65.68	0.42
c04_01	2,857.43	Max WS	35.96	172.14	174.57	2.43		174.71	0.000435	1.66	21.69	67.33	0.40
c04_01	2,847.81	Max WS	36.03	172.15	174.52	2.37		174.69	0.005223	1.80	20.03	81.76	0.42
c04_01	2,838.13	Max WS	36.10	172.21	174.47	2.26		174.64	0.004844	1.81	19.96	92.40	0.42
c04_01	2,828.40	Max WS	36.17	172.06	174.41	2.35		174.59	0.005437	1.86	19.46	87.68	0.44
c04_01	2,818.64	Max WS	36.25	172.03	174.41	2.38		174.54	0.003271	1.61	22.56	86.71	0.36
c04_01	2,808.83	Max WS	36.32	172.01	174.36	2.35		174.51	0.003934	1.71	21.28	81.11	0.40
c04_01	2,799.07	Max WS	36.40	171.98	174.33	2.35		174.47	0.003841	1.66	21.87	83.81	0.39
c04_01	2,789.47	Max WS	36.43	172.00	174.12	2.12		174.40	0.01343	2.34	15.54	62.71	0.71

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	2,779.98	Max WS	36.52	172.16	174.11	1.95		174.28	0.009591	1.82	20.11	55.97	0.60
c04_01	2,771.11	Max WS	36.59	172.37	174.09	1.72		174.19	0.009834	1.45	25.15	61.01	0.59
c04_01	2,762.01	Max WS	36.66	171.78	174.11	2.33		174.14	0.0014	0.75	48.56	58.80	0.24
c04_01	2,752.94	Max WS	36.73	171.52	174.10	2.58		174.12	0.00121	0.69	52.86	54.62	0.22
c04_01	2,743.80	Max WS	36.82	171.71	174.09	2.38		174.11	0.000931	0.64	57.16	53.30	0.20
c04_01	2,735.08	Max WS	36.88	172.10	174.08	1.98		174.10	0.001374	0.70	53.01	59.21	0.23
c04_01	2,725.78	Max WS	36.95	172.07	174.07	2.18		174.09	0.001126	0.64	57.99	63.21	0.21
c04_01	2,717.12	Max WS	37.02	172.07	174.07	2.31		174.08	0.000876	0.59	63.03	66.51	0.19
c04_01	2,708.45	Max WS	37.09	172.07	174.06	2.20		174.08	0.000909	0.59	63.10	67.80	0.19
c04_01	2,699.80	Max WS	37.16	172.08	174.04	1.96		174.06	0.001826	0.72	51.95	69.31	0.26
c04_01	2,690.81	Max WS	37.22	171.34	174.02	2.68		174.05	0.001976	0.72	52.01	72.77	0.27
c04_01	2,681.91	Max WS	37.29	171.35	174.00	2.65		174.03	0.002305	0.75	49.58	72.46	0.29
c04_01	2,673.09	Max WS	37.35	171.71	173.99	2.28		174.01	0.002064	0.71	52.69	78.29	0.28
c04_01	2,664.37	Max WS	37.42	171.91	173.96	2.05		173.99	0.002307	0.74	50.34	76.12	0.29
c04_01	2,656.25	Max WS	37.47	171.36	173.94	2.58		173.97	0.002967	0.79	47.69	81.30	0.32
c04_01	2,649.18	Max WS	37.52	171.39	173.91	2.52		173.95	0.003624	0.84	44.66	80.71	0.35
c04_01	2,643.79	Max WS	37.57	171.54	173.88	2.34		173.93	0.005265	0.98	38.52	77.43	0.42
c04_01	2,638.21	Max WS	37.59	171.66	173.78	2.12		173.88	0.014964	1.40	26.79	79.28	0.68
c04_01	2,632.68	Max WS	37.63	172.27	173.68	1.41	173.78	173.99	0.031494	2.83	16.43	94.21	1.06
c04_01	2,624.02	Max WS	37.68	172.12	173.40	1.28	173.71	174.16	0.050332	3.87	10.02	41.55	1.37
c04_01	2,616.72	Max WS	37.73	171.21	173.15	1.94		173.56	0.023891	2.85	13.24	32.41	0.93
c04_01	2,609.08	Max WS	37.79	171.77	172.85	1.08	173.10	173.55	0.058952	3.71	10.21	17.69	1.45
c04_01	2,602.47	Max WS	37.83	171.43	172.56	1.13	172.74	173.10	0.035373	3.25	11.63	14.58	1.16
c04_01	2,594.68	Max WS	37.86	170.89	172.39	1.50		172.68	0.01376	2.39	15.92	18.68	0.75
c04_01	2,588.70	Max WS	37.92	170.83	172.35	1.52		172.49	0.009012	1.68	22.63	26.99	0.58
c04_01	2,583.40	Max WS	37.98	170.68	172.38	1.70		172.46	0.004144	1.22	31.04	33.29	0.40
c04_01	2,578.90	Max WS	38.02	170.69	172.38	1.69		172.44	0.002815	1.07	35.57	35.26	0.34
c04_01	2,571.06	Max WS	38.01	170.64	172.38	1.74	171.70	172.42	0.002003	0.87	43.50	45.90	0.29
c04_01	2,543.70		Bridge										
c04_01	2,508.05	Max WS	38.01	170.28	172.35	2.07		172.38	0.000279	0.44	70.37	172.84	0.12
c04_01	2,498.50	Max WS	37.99	170.28	172.34	2.06		172.37	0.000955	0.73	48.72	175.28	0.21
c04_01	2,487.54	Max WS	37.98	170.28	172.28	2.00		172.36	0.001346	0.84	32.57	151.52	0.24
c04_01	2,476.63	Max WS	37.96	170.12	172.25	2.13		172.35	0.001569	0.84	30.32	152.03	0.25
c04_01	2,466.40	Max WS	37.94	170.09	172.23	2.14		172.34	0.001898	0.96	29.49	151.87	0.28
c04_01	2,457.30	Max WS	37.93	169.85	172.21	2.36		172.32	0.002425	1.20	27.23	147.49	0.32
c04_01	2,448.27	Max WS	37.91	169.88	172.09	2.21		172.29	0.006771	1.77	19.72	141.69	0.51
c04_01	2,439.81	Max WS	37.90	169.85	171.96	2.11		172.23	0.011758	2.23	16.44	123.65	0.68
c04_01	2,430.95	Max WS	37.89	169.99	171.95	1.96		172.13	0.006599	1.73	20.51	116.71	0.51
c04_01	2,421.94	Max WS	37.89	170.03	171.94	1.91		172.08	0.00474	1.51	23.41	94.89	0.44
c04_01	2,412.43	Max WS	37.88	169.71	171.93	2.22		172.04	0.003681	1.47	25.67	102.89	0.40
c04_01	2,403.07	Max WS	37.88	169.59	171.82	2.23		172.00	0.006633	1.86	20.36	51.34	0.52
c04_01	2,393.93	Max WS	37.88	169.93	171.87	1.94		171.96	0.002424	1.32	30.41	113.21	0.33
c04_01	2,387.05		Culvert										
c04_01	2,380.39	Max WS	37.88	169.61	171.22	1.61		171.42	0.011013	2.14	19.97	79.42	0.66
c04_01	2,370.43	Max WS	37.88	169.92	171.13	1.21		171.31	0.012907	1.78	19.87	83.68	0.68
c04_01	2,361.80	Max WS	37.89	169.95	170.92	0.97	171.07	171.41	0.045924	2.26	12.47	61.29	1.15
c04_01	2,354.18	Max WS	37.89	169.38	170.70	1.31	170.73	170.91	0.020404	2.25	18.69	59.12	0.85
c04_01	2,344.79	Max WS	37.89	169.35	170.54	1.19	170.55	170.71	0.016409	1.88	20.24	62.58	0.74
c04_01	2,335.92	Max WS	37.89	169.35	170.41	1.06	170.42	170.59	0.017115	1.57	20.08	62.43	0.73
c04_01	2,327.23	Max WS	37.90	169.14	170.30	1.16		170.42	0.008586	1.31	24.01	67.57	0.51
c04_01	2,318.65	Max WS	37.90	169.14	170.25	1.11		170.35	0.008427	1.10	27.10	80.03	0.50
c04_01	2,310.40	Max WS	37.90	169.11	170.21	1.10		170.30	0.006382	1.16	28.84	77.75	0.46
c04_01	2,302.43	Max WS	37.91	169.39	170.15	0.76		170.25	0.007387	1.00	27.52	74.39	0.47

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	2,294.97	Max WS	37.52	169.53	170.10	0.69		170.19	0.00668	0.94	28.33	77.50	0.45
c04_01	2,288.04	Max WS	37.53	169.10	170.08	0.98		170.15	0.004455	0.88	33.03	80.99	0.38
c04_01	2,279.55	Max WS	37.53	168.89	170.08	1.19		170.12	0.00283	0.84	39.90	90.69	0.32
c04_01	2,270.55	Max WS	31.68	169.50	170.04	0.71		170.09	0.003639	0.59	33.11	93.99	0.33
c04_01	2,263.47	Max WS	42.35	169.02	169.97	0.95		170.04	0.005541	1.08	37.04	105.39	0.44
c04_01	2,258.12	Max WS	42.36	168.62	169.98	1.36		170.02	0.002063	0.96	48.43	104.43	0.30
c04_01	2,248.71	Max WS	42.36	168.86	169.93	1.07		170.00	0.004038	1.12	38.95	98.01	0.39
c04_01	2,238.32	Max WS	42.37	168.66	169.89	1.23		169.97	0.004602	1.55	35.10	88.85	0.53
c04_01	2,227.51	Max WS	42.38	168.28	169.84	1.56		169.93	0.005289	1.61	33.25	85.47	0.57
c04_01	2,217.09	Max WS	42.39	168.02	169.75	1.73		169.89	0.007317	2.01	27.15	66.86	0.68
c04_01	2,208.51	Max WS	42.39	167.95	169.72	1.77		169.83	0.004187	1.69	31.70	64.28	0.53
c04_01	2,200.07	Max WS	42.40	167.98	169.68	1.70		169.79	0.004679	1.54	30.63	61.53	0.55
c04_01	2,189.36	Max WS	42.41	168.03	169.62	1.59		169.75	0.005108	1.61	28.29	55.50	0.57
c04_01	2,179.98	Max WS	42.42	167.89	169.54	1.65		169.70	0.005891	1.79	25.48	47.93	0.62
c04_01	2,173.22	Max WS	42.43	167.64	169.53	1.89		169.66	0.004657	1.62	27.54	45.71	0.55
c04_01	2,164.57	Max WS	42.44	167.39	169.49	2.10		169.63	0.004246	1.65	26.78	35.67	0.51
c04_01	2,153.23	Max WS	42.45	167.33	169.30	1.97		169.60	0.01249	2.48	17.58	24.23	0.85
c04_01	2,145.98	Max WS	42.46	167.14	169.22	2.08	169.25	169.51	0.010706	2.58	18.63	38.35	0.80
c04_01	2,138.37	Max WS	42.46	167.06	169.14	2.08	169.24	169.50	0.012859	3.15	17.70	39.93	0.82
c04_01	2,128.86	Max WS	42.47	167.04	169.03	1.99	169.13	169.41	0.012894	3.10	16.89	33.93	0.84
c04_01	2,118.87	Max WS	42.48	167.27	168.88	1.61	168.99	169.29	0.018925	2.93	15.29	29.61	1.07
c04_01	2,112.51	Max WS	42.49	167.01	168.78	1.77	168.89	169.21	0.017948	3.02	14.91	35.81	1.05
c04_01	2,106.30	Max WS	42.50	166.79	168.65	1.86	168.92	169.39	0.030925	3.87	11.39	25.06	1.32
c04_01	2,101.03	Max WS	42.51	166.59	168.54	1.95	168.51	169.07	0.014942	3.24	13.14	11.78	0.97
c04_01	2,095.71	Max WS	42.51	166.67	168.49	1.82		168.86	0.008548	2.68	15.88	12.50	0.76
c04_01	2,090.20	Max WS	42.52	166.51	168.50	1.99		168.78	0.00616	2.34	18.19	13.63	0.65
c04_01	2,084.05	Max WS	42.53	166.87	168.33	1.46		168.81	0.0125	3.07	13.87	12.02	0.91
c04_01	2,074.06	Max WS	42.54	166.67	168.31	1.64		168.63	0.009858	2.49	17.10	16.97	0.79
c04_01	2,065.37	Max WS	42.55	166.70	168.20	1.50	168.26	168.66	0.016861	3.04	14.37	19.46	1.03
c04_01	2,059.56	Max WS	42.56	166.68	168.11	1.43	168.20	168.55	0.014213	3.08	15.34	23.99	0.96
c04_01	2,053.62	Max WS	42.57	166.56	168.04	1.48	168.08	168.39	0.010762	2.79	17.37	27.17	0.84
c04_01	2,048.45	Max WS	42.57	166.63	167.99	1.36		168.26	0.00912	2.49	19.48	29.99	0.76
c04_01	2,043.06	Max WS	42.58	166.62	167.93	1.31	168.00	168.28	0.015319	2.82	17.12	32.21	0.96
c04_01	2,036.83	Max WS	42.59	166.59	167.83	1.24	167.99	168.37	0.020839	3.56	14.68	33.12	1.14
c04_01	2,030.76	Max WS	42.59	166.64	167.73	1.09	167.80	168.06	0.016671	2.85	17.18	35.34	1.00
c04_01	2,025.00	Max WS	42.60	166.49	167.65	1.16	167.66	167.93	0.011434	2.60	19.16	36.02	0.84
c04_01	2,018.73	Max WS	42.61	166.35	167.58	1.23	167.64	167.89	0.01456	2.74	18.59	40.98	0.94
c04_01	2,013.23	Max WS	42.61	166.32	167.52	1.20		167.72	0.011082	2.14	21.64	44.09	0.82
c04_01	2,008.12	Max WS	42.62	166.28	167.46	1.18	167.50	167.72	0.015043	2.42	19.64	45.89	0.95
c04_01	2,002.58	Max WS	42.63	166.25	167.39	1.14	167.38	167.60	0.01051	2.14	22.26	47.84	0.81
c04_01	1,996.82	Max WS	42.63	166.20	167.37	1.17		167.52	0.007044	1.81	25.93	50.85	0.67
c04_01	1,987.40	Max WS	42.64	166.11	167.27	1.16	167.27	167.46	0.011055	2.05	23.08	53.87	0.81
c04_01	1,977.86	Max WS	42.65	165.99	167.23	1.24		167.37	0.006066	1.76	27.04	54.19	0.62
c04_01	1,969.54	Max WS	42.66	165.91	167.14	1.23		167.34	0.007937	2.05	23.70	52.70	0.72
c04_01	1,961.07	Max WS	42.67	165.90	167.12	1.22		167.28	0.004938	1.83	26.36	51.14	0.58
c04_01	1,953.79	Max WS	42.68	165.84	167.04	1.20		167.26	0.006692	2.09	21.70	38.89	0.67
c04_01	1,946.48	Max WS	42.68	165.80	166.99	1.19		167.21	0.008265	2.17	21.06	36.86	0.73
c04_01	1,936.72	Max WS	42.69	165.61	166.93	1.32		167.12	0.007244	1.98	22.28	33.38	0.68
c04_01	1,927.88	Max WS	42.70	165.43	166.95	1.52		167.06	0.004384	1.46	29.19	37.12	0.53
c04_01	1,921.19	Max WS	42.71	165.38	166.89	1.51		167.03	0.006566	1.64	25.97	37.47	0.63
c04_01	1,914.51	Max WS	42.71	165.21	166.88	1.67		166.99	0.004138	1.49	28.65	33.94	0.52
c04_01	1,907.77	Max WS	42.72	165.29	166.87	1.58		166.97	0.003547	1.38	31.06	37.19	0.48
c04_01	1,900.73	Max WS	42.73	165.16	166.88	1.72		166.95	0.001813	1.11	38.61	38.79	0.35

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	1,894.56	Max WS	42.74	165.21	166.88	1.67		166.93	0.002923	0.98	43.73	37.19	0.29
c04_01	1,888.41	Max WS	42.74	165.13	166.86	1.73		166.91	0.003379	1.02	41.87	36.97	0.31
c04_01	1,882.68	Max WS	42.75	165.03	166.82	1.79		166.89	0.004235	1.15	37.05	32.06	0.34
c04_01	1,877.41	Max WS	42.76	164.89	166.78	1.89		166.86	0.006089	1.31	32.75	31.04	0.41
c04_01	1,869.56	Max WS	42.77	165.02	166.72	1.70		166.81	0.006567	1.34	32.03	31.15	0.42
c04_01	1,862.56	Max WS	42.78	164.64	166.72	2.08		166.78	0.003376	1.04	41.04	35.08	0.31
c04_01	1,856.20	Max WS	42.78	164.78	166.70	1.92		166.76	0.003449	1.07	40.03	33.28	0.31
c04_01	1,849.65	Max WS	42.79	164.65	166.70	2.05		166.74	0.002149	0.93	46.19	33.56	0.25
c04_01	1,842.76	Max WS	42.80	164.68	166.67	1.99		166.72	0.002506	1.07	40.47	30.64	0.27
c04_01	1,836.10	Max WS	42.80	164.64	166.64	2.00		166.70	0.003648	1.12	38.31	31.28	0.32
c04_01	1,829.45	Max WS	42.81	164.50	166.61	2.11		166.68	0.003235	1.24	35.05	29.53	0.31
c04_01	1,820.95	Max WS	42.82	164.42	166.52	2.10		166.65	0.005684	1.60	27.41	25.30	0.41
c04_01	1,813.26	Max WS	42.83	164.43	166.32	1.89		166.58	0.013316	2.25	19.07	14.13	0.60
c04_01	1,805.49	Max WS	42.84	164.24	166.14	1.90		166.46	0.018154	2.50	17.13	13.06	0.70
c04_01	1,795.61	Max WS	42.85	164.16	166.06	1.90		166.30	0.01357	2.20	19.59	16.25	0.61
c04_01	1,786.48	Max WS	42.86	164.08	165.97	1.89		166.19	0.011799	2.04	21.07	17.28	0.57
c04_01	1,778.80	Max WS	42.87	163.74	166.02	2.28		166.12	0.004086	1.40	30.59	18.78	0.35
c04_01	1,770.81	Max WS	42.88	163.66	166.01	2.35		166.09	0.003437	1.29	33.23	20.33	0.32
c04_01	1,762.89	Max WS	42.89	163.83	165.99	2.16		166.06	0.003045	1.22	35.19	21.01	0.30
c04_01	1,754.71	Max WS	42.90	163.86	165.95	2.09		166.04	0.004198	1.30	32.92	23.30	0.35
c04_01	1,745.90	Max WS	42.91	163.94	165.88	1.94		165.99	0.006725	1.47	29.19	24.93	0.43
c04_01	1,740.19	Max WS	42.92	164.07	165.77	1.70		165.94	0.011877	1.83	23.51	21.78	0.56
c04_01	1,730.38	Max WS	42.94	163.74	165.74	2.00		165.85	0.006086	1.48	29.04	22.52	0.42
c04_01	1,722.86	Max WS	42.95	163.60	165.66	2.06		165.79	0.008802	1.59	27.07	25.41	0.49
c04_01	1,715.36	Max WS	42.95	163.61	165.68	2.07		165.75	0.00319	1.15	37.26	31.23	0.31
c04_01	1,709.28	Max WS	42.96	163.55	165.66	2.11		165.73	0.002973	1.21	36.17	31.72	0.30
c04_01	1,703.33	Max WS	42.97	163.58	165.63	2.05		165.71	0.003629	1.30	33.72	30.50	0.33
c04_01	1,695.48	Max WS	42.98	163.47	165.62	2.15		165.68	0.002621	1.14	38.30	27.27	0.28
c04_01	1,687.33	Max WS	42.99	163.64	165.58	1.94		165.66	0.003847	1.22	35.51	28.32	0.33
c04_01	1,681.94	Max WS	42.99	163.48	165.60	2.12		165.64	0.001869	0.95	45.69	30.91	0.24
c04_01	1,676.92	Max WS	43.00	163.24	165.61	2.37		165.64	0.001021	0.75	57.72	33.16	0.18
c04_01	1,670.93	Max WS	43.01	163.21	165.61	2.40		165.63	0.000805	0.68	62.83	34.85	0.16
c04_01	1,664.86	Max WS	43.01	163.15	165.61	2.46		165.63	0.000565	0.62	69.81	36.35	0.14
c04_01	1,657.08	Max WS	43.03	163.12	165.60	2.48		165.62	0.000544	0.61	70.89	42.29	0.14
c04_01	1,649.31	Max WS	43.03	163.01	165.60	2.59		165.62	0.00059	0.64	67.82	59.21	0.14
c04_01	1,641.55	Max WS	43.04	162.99	165.59	2.60		165.61	0.000675	0.69	63.25	52.34	0.15
c04_01	1,636.31	Max WS	43.05	163.01	165.55	2.54		165.61	0.001878	1.05	42.05	29.28	0.24
c04_01	1,628.32	Max WS	43.06	163.07	165.52	2.45		165.59	0.00234	1.19	37.52	28.59	0.27
c04_01	1,622.89	Max WS	43.07	163.04	165.52	2.48		165.58	0.002322	1.08	40.42	29.07	0.26
c04_01	1,617.89	Max WS	43.07	162.87	165.52	2.65		165.57	0.00164	0.99	44.35	27.86	0.22
c04_01	1,612.63	Max WS	43.08	162.93	165.52	2.59		165.56	0.00141	0.89	48.79	33.55	0.21
c04_01	1,607.26	Max WS	43.09	163.07	165.52	2.45		165.55	0.001614	0.82	52.61	36.57	0.22
c04_01	1,598.76	Max WS	43.10	162.94	165.51	2.57		165.54	0.001466	0.79	54.79	37.37	0.21
c04_01	1,590.27	Max WS	43.11	162.70	165.50	2.80		165.53	0.001142	0.72	60.11	39.74	0.19
c04_01	1,581.80	Max WS	43.12	162.57	165.49	2.92		165.52	0.001097	0.71	60.32	38.68	0.18
c04_01	1,573.35	Max WS	43.13	162.63	165.49	2.86		165.51	0.000752	0.63	68.94	44.48	0.15
c04_01	1,564.91	Max WS	43.14	162.79	165.49	2.70		165.50	0.000685	0.61	72.60	58.17	0.15
c04_01	1,556.44	Max WS	43.15	162.50	165.49	2.99		165.50	0.000482	0.54	81.93	59.59	0.12
c04_01	1,546.92	Max WS	43.16	162.53	165.48	2.95		165.49	0.00051	0.57	78.16	56.13	0.13
c04_01	1,537.46	Max WS	43.17	162.20	165.48	3.28		165.49	0.000356	0.48	91.46	60.87	0.11
c04_01	1,527.99	Max WS	43.18	162.40	165.48	3.08		165.49	0.000253	0.43	101.78	61.57	0.09
c04_01	1,518.55	Max WS	43.19	162.28	165.48	3.20		165.49	0.000235	0.37	116.82	80.81	0.09
c04_01	1,511.00	Max WS	43.20	162.78	165.48	2.70		165.48	0.000193	0.38	115.63	71.81	0.08

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	1,503.48	Max WS	43.21	162.34	165.48	3.14		165.48	0.000116	0.31	142.00	80.68	0.06
c04_01	1,495.80	Max WS	43.22	162.51	165.48	2.97		165.48	0.00013	0.32	134.47	80.17	0.07
c04_01	1,488.22	Max WS	43.23	162.16	165.47	3.31		165.48	0.000128	0.34	129.99	77.44	0.07
c04_01	1,480.45	Max WS	43.24	162.37	165.47	3.10		165.48	0.000186	0.39	111.89	79.23	0.08
c04_01	1,470.68	Max WS	43.25	162.04	165.47	3.43		165.48	0.000182	0.38	117.45	82.91	0.08
c04_01	1,458.46	Max WS	43.26	162.14	165.47	3.33		165.48	0.000232	0.43	104.14	78.77	0.09
c04_01	1,450.32	Max WS	43.27	162.53	165.46	2.93		165.47	0.000497	0.55	76.43	73.88	0.13
c04_01	1,442.07	Max WS	43.28	162.27	165.44	3.17		165.47	0.000798	0.66	63.91	70.27	0.15
c04_01	1,433.72	Max WS	43.29	162.47	165.43	2.96		165.46	0.000958	0.73	60.11	68.68	0.16
c04_01	1,424.91	Max WS	43.30	162.50	165.42	2.92		165.45	0.001032	0.80	58.22	68.61	0.18
c04_01	1,416.22	Max WS	43.31	162.27	165.41	3.14		165.45	0.001163	0.88	56.36	73.00	0.19
c04_01	1,407.41	Max WS	43.32	162.62	165.36	2.74		165.43	0.003922	1.27	38.24	68.00	0.33
c04_01	1,394.40	Max WS	43.33	162.63	165.26	2.63		165.38	0.006147	1.62	29.16	42.64	0.40
c04_01	1,385.70	Max WS	43.34	162.71	165.15	2.44	165.23	165.47	0.022494	2.60	18.51	38.03	0.72
c04_01	1,380.27	Max WS	43.35	163.18	165.02	1.84	165.22	165.51	0.032022	3.18	14.71	28.60	0.90
c04_01	1,372.18	Max WS	43.36	161.83	164.89	3.06		165.02	0.005173	1.63	27.58	28.22	0.37
c04_01	1,364.12	Max WS	43.37	161.72	164.88	3.16		164.98	0.00327	1.46	30.31	23.41	0.31
c04_01	1,356.07	Max WS	43.38	161.74	164.82	3.08		164.95	0.004561	1.59	27.30	14.88	0.36
c04_01	1,348.03	Max WS	43.39	161.96	164.77	2.81		164.91	0.005385	1.66	26.26	16.32	0.39
c04_01	1,338.82	Max WS	43.40	161.93	164.76	2.83		164.87	0.003949	1.48	29.28	15.13	0.34
c04_01	1,328.98	Max WS	43.41	162.06	164.76	2.70		164.84	0.002416	1.22	35.65	17.61	0.27
c04_01	1,320.28	Max WS	43.43	161.85	164.74	2.89		164.82	0.002149	1.19	36.47	16.69	0.26
c04_01	1,311.00	Max WS	43.44	162.11	164.65	2.54		164.78	0.006172	1.66	27.13	26.62	0.42
c04_01	1,300.93	Max WS	43.45	162.10	164.37	2.27	164.38	164.69	0.051445	2.53	17.18	28.96	1.05
c04_01	1,291.42	Max WS	43.46	161.73	164.00	2.27		164.37	0.026735	2.67	16.27	15.13	0.82
c04_01	1,281.13	Max WS	43.48	161.65	164.02	2.37		164.13	0.007376	1.47	29.68	33.05	0.44
c04_01	1,271.34	Max WS	43.49	162.04	163.98	1.94		164.07	0.004936	1.38	32.31	67.89	0.38
c04_01	1,261.90	Max WS	43.50	161.51	163.99	2.48		164.04	0.001807	1.00	43.85	74.40	0.24
c04_01	1,254.70	Max WS	43.51	161.58	163.96	2.38		164.03	0.002559	1.12	38.14	84.15	0.28
c04_01	1,246.19	Max WS	43.52	161.27	163.93	2.66		164.01	0.002437	1.17	36.57	38.13	0.27
c04_01	1,236.36	Max WS	39.31	161.68	163.80	2.12		163.95	0.007387	1.78	22.82	27.78	0.45
c04_01	1,227.28	Max WS	43.54	161.59	163.62	2.03		163.93	0.027451	2.44	17.71	25.56	0.83
c04_01	1,219.01	Max WS	43.56	161.49	163.41	1.92		163.70	0.024552	2.39	18.19	19.51	0.79
c04_01	1,210.21	Max WS	43.54	160.77	163.23	2.46		163.50	0.021892	2.34	18.88	22.21	0.72
c04_01	1,201.05	Max WS	43.47	161.62	163.14	1.52		163.30	0.011262	1.77	24.66	26.08	0.54
c04_01	1,191.41	Max WS	43.27	161.62	163.10	1.48		163.20	0.007968	1.44	30.07	29.87	0.46
c04_01	1,181.22	Max WS	43.28	161.62	163.05	1.43		163.14	0.005345	1.27	34.32	36.39	0.38
c04_01	1,171.58	Max WS	43.30	161.32	162.99	1.67		163.07	0.007932	1.27	34.03	43.42	0.45
c04_01	1,161.82	Max WS	43.31	161.36	162.97	1.61		163.02	0.003668	0.95	46.05	55.12	0.31
c04_01	1,152.97	Max WS	43.32	161.19	162.95	1.76		162.98	0.003471	0.85	50.74	60.01	0.30
c04_01	1,144.10	Max WS	42.66	161.07	162.88	1.81		162.94	0.005728	1.09	39.53	56.10	0.38
c04_01	1,135.45	Max WS	42.66	160.67	162.85	2.18		162.90	0.004848	0.98	43.53	61.57	0.35
c04_01	1,127.22	Max WS	42.67	160.77	162.80	2.03		162.85	0.006275	1.04	41.24	70.33	0.39
c04_01	1,118.92	Max WS	42.66	160.65	162.77	2.12		162.81	0.004725	0.90	47.61	86.26	0.34
c04_01	1,110.47	Max WS	59.18	160.60	162.59	1.99		162.70	0.01317	1.46	40.93	98.47	0.56
c04_01	1,101.79	Max WS	60.28	160.70	162.47	1.77		162.58	0.015539	1.50	40.90	135.45	0.60
c04_01	1,091.98	Max WS	59.81	160.41	162.34	1.93		162.46	0.010384	1.23	43.01	107.30	0.49
c04_01	1,082.19	Max WS	59.81	160.42	162.36	1.94		162.38	0.002325	0.77	78.40	87.35	0.25
c04_01	1,071.57	Max WS	59.81	160.31	162.32	2.01		162.36	0.002909	0.93	66.03	86.02	0.28
c04_01	1,061.64	Max WS	59.81	160.36	162.26	1.90		162.32	0.005466	1.10	54.89	73.63	0.38
c04_01	1,051.34	Max WS	58.83	160.39	162.20	1.81		162.26	0.006138	1.06	55.46	72.93	0.39
c04_01	1,043.75	Max WS	58.84	160.33	162.16	1.83		162.22	0.004889	1.01	58.05	69.11	0.35
c04_01	1,037.20	Max WS	58.85	160.18	162.12	1.97		162.18	0.005874	1.07	54.92	75.16	0.38

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	1,027.03	Max WS	58.84	160.17	162.07	1.93		162.13	0.005819	1.04	56.70	88.43	0.38
c04_01	1,016.90	Max WS	58.83	160.12	162.03	1.91		162.08	0.004703	0.95	61.90	84.96	0.34
c04_01	1,006.84	Max WS	58.81	160.00	161.96	1.96		162.02	0.007344	1.09	54.09	78.51	0.42
c04_01	997.21	Max WS	57.76	160.08	161.93	1.85		161.97	0.002153	0.90	64.24	80.32	0.32
c04_01	988.27	Max WS	57.77	160.00	161.92	1.92		161.95	0.001895	0.82	70.84	93.69	0.30
c04_01	980.14	Max WS	57.77	160.00	161.91	1.92		161.94	0.001114	0.70	83.10	94.01	0.24
c04_01	971.82	Max WS	57.78	159.79	161.91	2.12		161.93	0.001006	0.67	85.95	94.69	0.23
c04_01	963.01	Max WS	57.78	159.76	161.91	2.15		161.92	0.000652	0.60	96.01	89.93	0.19
c04_01	953.15	Max WS	57.79	159.58	161.90	2.32		161.92	0.000636	0.62	93.44	83.81	0.19
c04_01	941.70	Max WS	57.79	159.65	161.89	2.24		161.91	0.000911	0.68	85.08	85.92	0.22
c04_01	929.62	Max WS	57.80	159.60	161.87	2.27		161.90	0.001026	0.71	81.22	83.40	0.23
c04_01	920.44	Max WS	57.80	159.46	161.87	2.41		161.89	0.000607	0.62	92.78	78.38	0.18
c04_01	913.82	Max WS	57.81	159.54	161.87	2.33		161.89	0.000516	0.59	97.76	79.32	0.17
c04_01	905.48	Max WS	57.81	159.56	161.87	2.31		161.88	0.000404	0.56	103.59	76.31	0.15
c04_01	897.13	Max WS	57.82	159.58	161.87	2.29		161.88	0.000289	0.51	112.70	73.55	0.13
c04_01	888.77	Max WS	57.82	159.70	161.86	2.16		161.88	0.00029	0.51	113.03	73.86	0.13
c04_01	880.37	Max WS	57.83	159.68	161.86	2.18		161.88	0.000238	0.48	121.71	76.63	0.12
c04_01	871.24	Max WS	57.83	159.59	161.86	2.27		161.87	0.000212	0.46	124.90	77.45	0.11
c04_01	865.50	Max WS	57.83	159.55	161.86	2.31		161.87	0.000246	0.50	116.80	74.50	0.12
c04_01	856.37	Max WS	57.84	159.57	161.86	2.29		161.87	0.000235	0.51	112.91	65.68	0.12
c04_01	846.99	Max WS	57.84	159.59	161.85	2.26		161.87	0.000295	0.56	102.42	64.00	0.14
c04_01	837.02	Max WS	57.85	159.49	161.84	2.35		161.86	0.000382	0.64	90.31	60.15	0.15
c04_01	826.40	Max WS	57.85	159.07	161.84	2.77		161.86	0.00041	0.67	86.02	46.20	0.16
c04_01	815.84	Max WS	57.86	159.08	161.83	2.75		161.86	0.000476	0.75	77.25	38.60	0.17
c04_01	806.94	Max WS	57.87	159.16	161.82	2.66		161.85	0.000523	0.78	74.32	44.13	0.18
c04_01	797.61	Max WS	57.88	159.33	161.79	2.46		161.84	0.00097	0.98	59.03	37.89	0.24
c04_01	787.85	Max WS	57.88	159.59	161.73	2.14		161.83	0.002561	1.35	42.83	33.88	0.37
c04_01	778.61	Max WS	57.89	159.40	161.64	2.24		161.80	0.00462	1.78	32.57	23.39	0.48
c04_01	776.09	Max WS	57.90	159.46	161.64	2.18		161.79	0.003777	1.71	33.88	22.45	0.44
c04_01	772.98	Max WS	57.90	159.21	161.66	2.45		161.78	0.002215	1.50	38.69	22.08	0.36
c04_01	767.56	Max WS	57.91	158.62	161.72	3.10		161.77	0.000778	0.93	63.58	48.79	0.22
c04_01	760.62	Max WS	57.91	158.63	161.74	3.11		161.77	0.000307	0.68	85.24	86.31	0.14
c04_01	752.92	Max WS	57.92	158.62	161.74	3.12		161.76	0.000216	0.62	92.76	64.05	0.12
c04_01	743.41	Max WS	57.92	158.55	161.72	3.17	159.85	161.76	0.000312	0.73	75.85	64.66	0.14
c04_01	724.09		Bridge										
c04_01	700.98	Max WS	57.92	157.88	160.38	2.50		160.74	0.007828	2.71	22.66	19.76	0.66
c04_01	692.29	Max WS	57.92	157.75	160.53	2.78		160.63	0.003201	1.36	43.96	62.75	0.42
c04_01	683.58	Max WS	57.57	157.68	160.48	2.80		160.60	0.002546	1.62	38.42	43.90	0.38
c04_01	674.87	Max WS	57.58	157.75	160.48	2.73		160.59	0.001806	1.53	44.18	58.58	0.32
c04_01	665.25	Max WS	57.59	157.95	160.45	2.50		160.57	0.002492	1.68	43.49	91.95	0.39
c04_01	656.31	Max WS	57.59	157.84	160.45	2.61		160.54	0.002333	1.39	48.65	87.81	0.37
c04_01	648.67	Max WS	57.60	157.72	160.45	2.73		160.53	0.001766	1.29	53.74	83.17	0.33
c04_01	640.31	Max WS	57.60	157.83	160.44	2.61		160.51	0.001434	1.19	58.15	81.15	0.30
c04_01	631.81	Max WS	57.61	157.64	160.44	2.80		160.50	0.001131	1.09	62.37	72.12	0.26
c04_01	623.11	Max WS	57.62	157.87	160.43	2.56		160.49	0.00108	1.07	62.18	75.46	0.26
c04_01	614.29	Max WS	57.62	157.62	160.39	2.77		160.48	0.002018	1.45	47.88	71.23	0.35
c04_01	605.48	Max WS	57.83	157.70	160.25	2.55	160.27	160.56	0.008345	2.72	26.37	52.39	0.67
c04_01	597.10	Max WS	57.64	157.60	160.23	2.63		160.43	0.007025	1.91	29.29	41.30	0.60
c04_01	588.75	Max WS	57.64	157.58	160.20	2.62		160.38	0.005284	1.91	30.77	154.18	0.54
c04_01	580.65	Max WS	57.63	157.20	160.06	2.86		160.34	0.007648	2.48	25.11	148.28	0.64
c04_01	572.66	Max WS	57.63	157.50	160.07	2.57		160.29	0.005535	2.16	29.13	163.63	0.55
c04_01	564.53	Max WS	57.63	157.48	160.00	2.52		160.24	0.006133	2.21	27.45	133.71	0.59
c04_01	556.40	Max WS	57.62	157.37	160.03	2.66		160.19	0.004095	1.82	32.84	141.39	0.46

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	547.19	Max WS	57.62	157.35	159.93	2.58		160.15	0.006047	2.07	28.55	121.39	0.58
c04_01	537.76	Max WS	57.61	157.39	159.78	2.39		160.09	0.011068	2.49	23.67	150.37	0.76
c04_01	527.90	Max WS	57.60	157.44	159.84	2.40		159.98	0.003271	1.71	34.52	170.07	0.43
c04_01	519.84	Max WS	57.59	157.36	159.80	2.44		159.96	0.003283	1.80	32.76	127.71	0.44
c04_01	512.22	Max WS	57.58	157.34	159.74	2.40		159.93	0.004177	1.97	30.04	97.38	0.49
c04_01	504.90	Max WS	57.57	157.23	159.65	2.42		159.90	0.005643	2.18	26.40	78.74	0.56
c04_01	495.50	Max WS	57.57	157.12	159.46	2.34		159.83	0.009991	2.71	21.28	69.15	0.72
c04_01	486.02	Max WS	57.57	157.12	159.39	2.27		159.74	0.008913	2.62	21.95	62.53	0.69
c04_01	476.59	Max WS	57.40	157.12	159.22	2.10		159.65	0.010955	2.89	19.88	44.17	0.75
c04_01	467.23	Max WS	52.33	157.21	159.18	1.97		159.48	0.008724	2.44	21.99	50.37	0.68
c04_01	457.94	Max WS	52.33	157.02	159.08	2.06		159.41	0.009032	2.57	20.39	14.25	0.68
c04_01	448.72	Max WS	57.43	157.14	158.91	1.77		159.50	0.01703	3.42	16.79	12.25	0.93
c04_01	440.30	Max WS	52.33	156.97	158.82	1.85		159.22	0.011304	2.83	18.51	13.14	0.76
c04_01	431.64	Max WS	52.32	156.77	158.85	2.08		159.13	0.00715	2.35	22.31	15.00	0.61
c04_01	422.73	Max WS	58.53	156.50	158.80	2.30		159.04	0.005636	2.20	26.67	16.87	0.56
c04_01	413.60	Max WS	58.52	156.67	158.69	2.02		158.98	0.007768	2.40	24.36	17.48	0.65
c04_01	404.37	Max WS	58.47	156.55	158.66	2.11		158.91	0.006673	2.24	26.11	34.45	0.61
c04_01	396.32	Max WS	60.53	156.53	158.53	2.00	158.28	158.93	0.010714	2.80	21.83	37.17	0.77
c04_01	388.11	Max WS	60.53	156.33	158.43	2.10	158.43	158.71	0.012948	2.39	27.31	79.56	0.81
c04_01	379.85	Max WS	60.53	155.90	158.32	2.41	158.27	158.66	0.017558	2.59	23.41	43.43	0.92
c04_01	371.44	Max WS	60.53	155.81	158.15	2.34	158.27	158.59	0.025992	2.93	20.63	28.67	1.10
c04_01	363.16	Max WS	60.53	155.80	157.98	2.18	157.99	158.40	0.021184	2.88	21.00	25.62	1.02
c04_01	354.89	Max WS	60.53	155.66	157.93	2.27		158.11	0.007646	1.92	31.52	33.27	0.63
c04_01	346.46	Max WS	60.53	155.45	157.95	2.50		158.07	0.003179	1.55	39.05	29.57	0.43
c04_01	336.84	Max WS	60.54	155.22	157.94	2.72		158.04	0.002258	1.39	43.40	29.55	0.37
c04_01	327.53	Max WS	60.54	155.34	157.94	2.60		158.02	0.001843	1.31	46.22	29.73	0.34
c04_01	319.60	Max WS	60.54	155.41	157.92	2.51		158.01	0.001952	1.29	47.04	32.40	0.34
c04_01	311.65	Max WS	60.54	155.26	157.89	2.63		157.99	0.002521	1.43	42.28	29.42	0.38
c04_01	303.82	Max WS	60.54	155.35	157.83	2.48		157.97	0.003832	1.61	37.52	30.56	0.46
c04_01	293.82	Max WS	60.54	155.21	157.80	2.59		157.93	0.003168	1.60	37.84	27.26	0.43
c04_01	284.10	Max WS	60.54	155.19	157.80	2.61		157.90	0.002857	1.41	42.96	34.73	0.40
c04_01	274.22	Max WS	60.54	155.07	157.63	2.56		157.85	0.008181	2.08	29.06	28.03	0.65
c04_01	267.25	Max WS	60.53	155.00	157.66	2.66		157.80	0.005474	1.72	40.25	71.13	0.53
c04_01	261.66	Max WS	60.53	154.99	157.70	2.71		157.77	0.001839	1.21	50.06	73.44	0.33
c04_01	256.15	Max WS	60.52	154.98	157.68	2.70		157.76	0.001898	1.29	48.84	61.89	0.34
c04_01	248.61	Max WS	60.52	154.83	157.63	2.80		157.75	0.002161	1.39	41.20	64.96	0.36
c04_01	241.42	Max WS	60.51	154.58	157.63	3.05		157.73	0.001827	1.35	42.25	65.50	0.33
c04_01	233.54	Max WS	60.50	154.46	157.62	3.16		157.72	0.001443	1.25	45.21	63.96	0.29
c04_01	226.52	Max WS	60.50	154.53	157.59	3.06		157.71	0.001983	1.46	40.12	40.94	0.35
c04_01	218.38	Max WS	60.50	154.44	157.59	3.15		157.69	0.001819	1.42	42.69	25.21	0.34
c04_01	210.99	Max WS	60.50	154.41	157.56	3.15		157.68	0.002626	1.52	39.74	36.30	0.39
c04_01	204.76	Max WS	60.50	154.29	157.54	3.25		157.66	0.002311	1.52	39.75	32.73	0.37
c04_01	198.58	Max WS	60.50	154.30	157.57	3.27		157.65	0.0016	1.21	50.09	42.74	0.31
c04_01	194.21	Max WS	60.50	154.26	157.59	3.33		157.64	0.000949	1.01	59.61	45.43	0.24
c04_01	187.59	Max WS	60.50	154.16	157.60	3.44	155.70	157.64	0.000534	0.86	70.69	58.65	0.19
c04_01	157.37		Bridge										
c04_01	130.46	Max WS	60.47	153.96	157.42	3.46		157.45	0.001741	0.83	80.95	57.10	0.16
c04_01	121.93	Max WS	60.48	153.76	157.38	3.62		157.43	0.003881	1.11	68.02	80.88	0.22
c04_01	113.68	Max WS	60.48	153.29	157.33	4.04		157.39	0.006408	1.17	63.95	83.53	0.27
c04_01	105.60	Max WS	60.49	153.78	157.28	3.50		157.32	0.009485	0.95	64.13	79.37	0.31
c04_01	97.68	Max WS	60.50	153.35	157.22	3.87		157.26	0.007491	0.89	68.64	66.90	0.27
c04_01	89.86	Max WS	60.50	153.52	157.16	3.64		157.20	0.008461	0.89	68.26	73.71	0.29
c04_01	80.61	Max WS	60.51	153.42	157.10	3.68		157.13	0.006766	0.80	75.58	79.83	0.26

Hydraulic Calculation Results - Cross Sections - MaxWS - T=020													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	71.33	Max WS	60.52	153.13	157.03	3.90		157.06	0.008512	0.83	73.06	85.75	0.28
c04_01	62.11	Max WS	60.52	153.49	156.96	3.47		156.99	0.007678	0.79	76.31	87.89	0.27
c04_01	52.93	Max WS	60.53	152.96	156.90	3.94		156.93	0.005722	0.71	85.05	94.51	0.24
c04_01	43.78	Max WS	60.53	152.96	156.84	3.88		156.87	0.006965	0.75	80.93	95.02	0.26
c04_01	34.63	Max WS	60.54	153.09	156.75	3.66		156.79	0.011409	0.85	70.85	97.65	0.32
c04_01	25.53	Max WS	60.54	153.02	156.66	3.64	155.57	156.70	0.010517	0.83	73.01	99.10	0.31

Hydraulic Calculation Results - Bridges - MaxWS - T=020										
Reach	River Sta	Profile	E.G. US.	Min El Prs	BR Open Area	Prs O WS	Q Total	Min El Weir Flow	Q Weir	Delta EG
			(m)	(m)	(m2)	(m)	(m3/s)	(m)	(m3/s)	(m)
c04_01	3375.382	Max WS	178.73	178.9	21.15		32.77	179.3		0.43
c04_01	2543.696	Max WS	172.42	173	71.73		38.01	175		0.06
c04_01	724.0876	Max WS	161.76	161.1	21.41	161.72	57.92	161.9		1.01
c04_01	157.3668	Max WS	157.64	158.8	64.54		60.5	160		0.19

Hydraulic Calculation Results - Culverts - MaxWS - T=020												
Reach	River Sta	Profile	E.G. US.	W.S. US.	E.G. IC	E.G. OC	Min El Weir Flow	Q Culv Group	Q Weir	Delta WS	Culv Vel US	Culv Vel DS
			(m)	(m)	(m)	(m)	(m)	(m ³ /s)	(m ³ /s)	(m)	(m/s)	(m/s)
c04_01	5885.715 Culvert #1	Max WS	198.26	198.25	198.26	198.15	198	14.1	10.9	1.57	3.29	4.54
c04_01	5756.415 Culvert #1	Max WS	196.65	196.63	196.65	196.61	196.4	11.78	11.67	1.38	3.73	5
c04_01	5447.773 Culvert #1	Max WS	193.54	193.5	192.63	193.55	193	-1.28	10.58	193.5	-0.73	-0.73
c04_01	5447.773 Culvert #2	Max WS	193.54	193.5	192.45	193.56	193	-0.57	10.58	193.5	-0.9	-0.9
c04_01	2387.045 Culvert #1	Max WS	171.87	171.87	171.65	171.86	171.15	8.62	20.6	0.65	2.71	2.71
c04_01	2387.045 Culvert #2	Max WS	171.87	171.87	170.61	171.87	171.15	8.66	20.6	0.65	2.72	2.72

Β.3.2. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ $T=100$ ΕΤΗ

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	5,926.44	Max WS	76.95	196.69	198.78	2.09		198.81	0.000171	0.66	116.74	116.16	0.16
c04_01	5,921.05	Max WS	76.93	196.63	198.78	2.15		198.81	0.000152	0.64	120.94	115.11	0.15
c04_01	5,915.66	Max WS	76.90	196.45	198.79	2.34		198.80	0.000132	0.61	126.18	114.30	0.14
c04_01	5,908.94	Max WS	76.87	196.43	198.79	2.36		198.80	0.000106	0.58	132.23	113.09	0.13
c04_01	5,901.84	Max WS	76.85	196.36	198.77	2.41		198.80	0.000216	0.75	102.46	112.49	0.18
c04_01	5,885.72		Culvert										
c04_01	5,875.79	Max WS	75.48	195.56	197.12	1.56	197.15	197.42	0.006533	3.08	35.75	87.99	0.89
c04_01	5,868.52	Max WS	76.49	195.78	197.11	1.33		197.24	0.003182	2.00	51.06	91.34	0.62
c04_01	5,861.05	Max WS	76.53	195.55	197.13	1.58		197.22	0.001722	1.69	62.40	91.60	0.48
c04_01	5,853.30	Max WS	76.57	195.26	197.12	1.86		197.21	0.001548	1.66	63.89	81.33	0.45
c04_01	5,845.36	Max WS	76.61	195.09	197.11	2.02		197.19	0.00148	1.57	63.47	73.27	0.44
c04_01	5,836.44	Max WS	76.65	195.03	197.13	2.10		197.18	0.000644	1.15	82.58	73.72	0.29
c04_01	5,827.79	Max WS	76.69	195.05	197.13	2.08		197.18	0.00055	1.08	86.50	73.64	0.28
c04_01	5,819.49	Max WS	76.73	195.03	197.13	2.10		197.17	0.000489	1.09	87.40	73.83	0.27
c04_01	5,811.51	Max WS	76.77	194.99	197.13	2.14		197.17	0.000413	1.01	89.50	73.29	0.25
c04_01	5,803.89	Max WS	76.81	194.89	197.12	2.23		197.16	0.000462	1.13	81.80	55.48	0.26
c04_01	5,796.83	Max WS	76.84	194.96	197.12	2.16		197.16	0.000462	1.16	84.20	69.43	0.27
c04_01	5,789.45	Max WS	76.87	194.90	197.11	2.21		197.16	0.000653	1.33	79.53	78.46	0.30
c04_01	5,781.72	Max WS	76.92	194.78	197.12	2.34		197.15	0.000415	1.09	94.45	78.88	0.24
c04_01	5,775.16	Max WS	76.95	194.68	197.12	2.44		197.15	0.000359	1.03	99.83	78.37	0.23
c04_01	5,768.39	Max WS	76.99	194.52	197.11	2.59		197.15	0.000442	1.18	94.10	78.70	0.25
c04_01	5,756.42		Culvert										
c04_01	5,747.18	Max WS	76.99	194.04	195.70	1.66	196.30	198.01	0.009066	6.74	11.61	43.06	1.77
c04_01	5,737.70	Max WS	77.04	194.17	195.63	1.46	195.90	196.47	0.006934	5.09	25.88	57.13	1.57
c04_01	5,728.46	Max WS	77.08	194.22	195.57	1.35	195.74	196.17	0.007034	4.58	29.38	58.00	1.53
c04_01	5,719.47	Max WS	77.13	194.05	195.51	1.46	195.71	196.13	0.006489	4.78	31.23	57.30	1.46
c04_01	5,710.64	Max WS	77.17	193.94	195.46	1.52	195.63	196.04	0.005109	4.64	33.06	57.58	1.36
c04_01	5,702.95	Max WS	77.21	193.91	195.42	1.51	195.60	196.02	0.006559	4.95	32.31	60.99	1.54
c04_01	5,694.22	Max WS	77.25	193.83	195.35	1.52	195.43	195.72	0.010063	3.51	31.87	60.07	1.08
c04_01	5,685.11	Max WS	77.30	193.73	195.26	1.53	195.34	195.65	0.012612	3.52	29.96	57.08	1.15
c04_01	5,675.25	Max WS	77.34	193.62	195.16	1.54	195.23	195.51	0.012395	3.54	31.05	59.02	1.16
c04_01	5,665.77	Max WS	77.38	193.65	195.04	1.39	195.11	195.41	0.014662	3.45	29.91	58.91	1.20
c04_01	5,656.98	Max WS	77.42	193.60	194.95	1.35	194.97	195.23	0.008138	2.95	33.75	63.26	0.97
c04_01	5,648.71	Max WS	77.46	193.60	194.88	1.28	194.90	195.19	0.009444	2.87	31.66	59.65	0.95
c04_01	5,639.15	Max WS	77.49	193.61	194.81	1.20	194.82	195.13	0.008011	2.93	31.35	56.70	0.94
c04_01	5,628.99	Max WS	77.53	193.83	194.74	0.92	194.74	195.04	0.008364	2.50	32.02	53.20	0.95
c04_01	5,619.86	Max WS	77.57	193.59	194.68	1.09		194.91	0.006459	2.22	36.14	68.36	0.82
c04_01	5,610.93	Max WS	77.60	193.48	194.69	1.21		194.84	0.004319	2.27	45.70	79.85	0.73
c04_01	5,600.67	Max WS	77.63	193.53	194.68	1.15		194.80	0.003688	1.86	49.83	78.54	0.64
c04_01	5,591.00	Max WS	77.66	193.51	194.65	1.14		194.77	0.003838	1.82	49.47	74.69	0.63
c04_01	5,582.50	Max WS	77.68	193.30	194.61	1.31		194.74	0.003999	2.05	49.22	77.55	0.68
c04_01	5,575.57	Max WS	77.71	193.11	194.55	1.44		194.71	0.005589	2.19	43.80	73.27	0.75
c04_01	5,566.52	Max WS	77.73	193.24	194.51	1.27		194.67	0.005134	2.09	44.87	73.18	0.74
c04_01	5,557.31	Max WS	77.76	193.19	194.47	1.28		194.63	0.004737	2.20	45.32	71.77	0.72
c04_01	5,547.93	Max WS	77.79	193.24	194.37	1.13		194.60	0.00824	2.53	37.41	65.77	0.89
c04_01	5,538.49	Max WS	77.82	192.89	194.29	1.40		194.53	0.008457	2.82	36.86	65.64	0.92
c04_01	5,528.91	Max WS	77.84	192.64	194.25	1.61		194.45	0.006114	2.68	41.13	68.92	0.81
c04_01	5,520.62	Max WS	77.86	192.53	194.23	1.70		194.40	0.004786	2.38	44.72	68.74	0.68
c04_01	5,512.52	Max WS	77.87	192.51	194.18	1.67		194.36	0.005552	2.42	42.31	66.47	0.70
c04_01	5,504.95	Max WS	77.89	192.59	194.18	1.59		194.32	0.00379	1.96	47.68	65.84	0.57
c04_01	5,497.33	Max WS	77.90	192.67	194.15	1.48		194.30	0.003336	2.64	48.46	67.37	0.81
c04_01	5,488.44	Max WS	77.92	192.60	194.11	1.51		194.28	0.003538	2.91	47.15	67.53	0.89
c04_01	5,479.81	Max WS	77.93	192.60	194.08	1.48		194.26	0.003446	2.80	46.45	65.13	0.90

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	5,469.24	Max WS	77.93	192.56	194.01	1.45	193.96	194.26	0.003743	3.24	43.97	66.07	0.99
c04_01	5,458.73	Max WS	77.70	191.91	193.96	2.05		194.25	0.002477	3.21	44.93	60.77	0.75
c04_01	5,451.85	Max WS	77.93	191.92	194.00	2.08		194.20	0.001973	2.83	50.27	63.76	0.69
c04_01	5,447.77		Culvert										
c04_01	5,443.92	Max WS	77.74	191.79	193.55	1.76	193.80	194.32	0.007604	5.06	29.22	54.77	1.42
c04_01	5,435.08	Max WS	77.76	191.86	193.51	1.65		193.81	0.002659	3.17	42.79	62.31	0.92
c04_01	5,424.50	Max WS	77.79	191.97	193.60	1.63		193.74	0.001181	2.28	57.72	65.05	0.62
c04_01	5,416.45	Max WS	77.81	191.66	193.61	1.95		193.73	0.00084	2.09	64.83	68.36	0.54
c04_01	5,408.38	Max WS	77.83	191.60	193.62	2.02		193.71	0.000836	1.96	67.86	74.95	0.52
c04_01	5,399.15	Max WS	77.86	191.58	193.62	2.04		193.69	0.001273	0.85	65.72	58.16	0.22
c04_01	5,389.36	Max WS	77.89	191.47	193.62	2.15		193.68	0.000962	0.77	72.02	57.86	0.18
c04_01	5,380.91	Max WS	77.92	191.46	193.61	2.15		193.68	0.000924	0.72	72.46	58.54	0.18
c04_01	5,373.52	Max WS	77.95	191.22	193.61	2.39		193.67	0.00082	0.75	75.37	57.83	0.18
c04_01	5,365.17	Max WS	77.98	191.10	193.61	2.51		193.66	0.000714	0.64	78.70	57.56	0.15
c04_01	5,356.57	Max WS	78.01	191.11	193.61	2.50		193.66	0.000724	0.68	78.93	57.79	0.16
c04_01	5,348.29	Max WS	78.04	191.09	193.60	2.51		193.65	0.000671	0.67	82.35	59.67	0.16
c04_01	5,340.02	Max WS	78.07	191.21	193.59	2.38		193.65	0.000787	0.69	74.68	57.09	0.17
c04_01	5,331.83	Max WS	78.10	190.94	193.54	2.60		193.64	0.001728	1.06	58.36	56.03	0.26
c04_01	5,323.68	Max WS	78.14	190.99	193.36	2.37		193.61	0.009017	2.19	35.18	53.36	0.57
c04_01	5,315.51	Max WS	78.17	191.18	193.21	2.03		193.54	0.013837	2.36	31.00	51.26	0.69
c04_01	5,307.49	Max WS	78.20	191.14	193.06	1.92		193.44	0.016514	2.60	28.91	46.98	0.77
c04_01	5,300.31	Max WS	78.23	191.20	192.90	1.70	193.02	193.49	0.029807	3.47	23.30	36.86	1.03
c04_01	5,293.19	Max WS	78.26	191.02	192.75	1.73	192.72	193.28	0.013435	3.23	24.19	21.32	0.97
c04_01	5,286.01	Max WS	78.30	190.99	192.61	1.62	192.82	193.42	0.024184	4.07	19.92	22.11	1.25
c04_01	5,278.46	Max WS	78.33	190.87	192.47	1.60	192.50	193.02	0.013582	3.33	24.19	23.55	0.99
c04_01	5,271.53	Max WS	78.36	190.78	192.37	1.59	192.45	192.98	0.018248	3.47	22.58	22.88	1.12
c04_01	5,263.76	Max WS	78.38	190.82	192.23	1.41	192.27	192.78	0.016981	3.27	23.99	25.00	1.06
c04_01	5,253.07	Max WS	78.41	190.82	192.08	1.26		192.44	0.012554	2.69	29.19	33.15	0.91
c04_01	5,243.01	Max WS	77.76	190.63	192.07	1.44		192.28	0.007589	2.02	38.47	45.20	0.70
c04_01	5,233.33	Max WS	77.81	190.56	192.02	1.46		192.21	0.006174	1.93	40.34	44.01	0.64
c04_01	5,223.77	Max WS	76.80	190.37	191.95	1.58		192.15	0.007021	1.97	39.04	45.55	0.68
c04_01	5,214.34	Max WS	76.83	190.72	191.91	1.19		192.09	0.00599	1.86	41.24	46.77	0.63
c04_01	5,205.12	Max WS	76.86	190.51	191.87	1.36		192.04	0.005419	1.80	42.78	46.73	0.60
c04_01	5,196.33	Max WS	76.88	190.31	191.85	1.54		191.99	0.004261	1.66	46.44	48.44	0.54
c04_01	5,186.60	Max WS	76.90	190.06	191.85	1.79		191.96	0.002881	1.47	52.17	48.23	0.45
c04_01	5,176.78	Max WS	76.92	189.92	191.81	1.89		191.93	0.003128	1.53	50.36	46.82	0.47
c04_01	5,166.94	Max WS	76.94	189.94	191.79	1.85		191.90	0.002695	1.46	52.83	47.15	0.44
c04_01	5,157.10	Max WS	76.96	189.85	191.78	1.93		191.88	0.002355	1.37	56.34	49.99	0.41
c04_01	5,147.27	Max WS	76.97	189.78	191.77	1.99		191.86	0.001979	1.28	60.11	51.74	0.38
c04_01	5,138.24	Max WS	76.98	189.62	191.77	2.15		191.84	0.001598	1.21	63.39	49.76	0.34
c04_01	5,129.27	Max WS	76.99	189.47	191.75	2.28		191.83	0.00144	1.20	64.39	48.19	0.33
c04_01	5,120.34	Max WS	77.01	189.36	191.75	2.39		191.82	0.001324	1.17	65.55	46.98	0.32
c04_01	5,111.46	Max WS	77.02	189.35	191.73	2.38		191.80	0.001231	1.19	64.80	43.01	0.31
c04_01	5,102.60	Max WS	77.03	189.12	191.72	2.60		191.79	0.001368	1.21	63.44	43.92	0.32
c04_01	5,093.77	Max WS	77.04	189.19	191.71	2.52		191.78	0.001164	1.18	65.04	41.76	0.30
c04_01	5,085.71	Max WS	77.06	189.14	191.70	2.56		191.77	0.001102	1.15	66.75	42.86	0.30
c04_01	5,077.60	Max WS	77.06	189.08	191.70	2.62		191.76	0.000943	1.08	71.23	53.00	0.27
c04_01	5,069.46	Max WS	77.07	188.87	191.71	2.84		191.76	0.000732	0.99	79.66	68.43	0.25
c04_01	5,061.28	Max WS	77.06	188.86	191.71	2.85		191.75	0.000729	0.97	81.00	70.94	0.24
c04_01	5,053.97	Max WS	77.06	188.86	191.71	2.85		191.75	0.000518	0.90	86.45	66.21	0.21
c04_01	5,049.49	Max WS	77.07	188.80	191.70	2.90		191.74	0.000365	0.89	87.09	59.53	0.18
c04_01	5,043.82	Max WS	77.07	188.75	191.70	2.95		191.74	0.000339	0.87	87.59	56.13	0.17
c04_01	5,037.98	Max WS	77.07	188.72	191.70	2.98		191.74	0.000368	0.87	88.23	54.46	0.18

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	5,029.41	Max WS	77.08	188.67	191.68	3.01		191.74	0.000535	1.07	74.23	45.65	0.22
c04_01	5,020.32	Max WS	77.09	188.87	191.62	2.75		191.73	0.001336	1.54	52.60	42.06	0.34
c04_01	5,013.49	Max WS	76.20	189.07	191.53	2.46		191.72	0.002666	1.96	40.39	36.87	0.47
c04_01	5,006.71	Max WS	76.22	189.11	191.27	2.16		191.72	0.007745	3.03	25.57	22.33	0.76
c04_01	4,994.78	Max WS	76.24	188.90	191.34	2.44		191.64	0.003787	2.44	31.51	21.99	0.54
c04_01	4,989.56	Max WS	76.25	188.93	191.34	2.41		191.62	0.003345	2.35	32.78	21.23	0.51
c04_01	4,983.08	Max WS	76.27	188.35	191.40	3.05		191.60	0.002359	1.97	38.96	37.49	0.42
c04_01	4,975.56	Max WS	77.13	188.50	191.51	3.01		191.58	0.000705	1.20	64.46	35.86	0.25
c04_01	4,963.08	Max WS	77.15	188.43	191.52	3.09		191.57	0.000553	1.02	75.89	38.50	0.22
c04_01	4,955.36	Max WS	77.15	188.64	191.53	2.89		191.57	0.000445	0.91	84.88	40.14	0.20
c04_01	4,948.13	Max WS	77.15	188.30	191.53	3.23		191.57	0.000417	0.88	88.17	39.61	0.19
c04_01	4,941.11	Max WS	77.15	188.06	191.52	3.46		191.56	0.000441	0.89	86.42	38.70	0.19
c04_01	4,933.63	Max WS	77.16	188.14	191.52	3.38		191.56	0.000494	0.92	83.42	39.27	0.20
c04_01	4,926.26	Max WS	77.16	188.16	191.51	3.35		191.56	0.000549	0.96	80.61	39.87	0.21
c04_01	4,918.95	Max WS	77.17	188.43	191.51	3.08		191.55	0.000509	0.91	84.76	42.10	0.20
c04_01	4,909.18	Max WS	77.18	188.18	191.50	3.32		191.55	0.000571	0.95	81.06	41.87	0.22
c04_01	4,899.33	Max WS	77.18	187.98	191.49	3.51		191.54	0.001477	0.97	79.47	45.38	0.22
c04_01	4,889.66	Max WS	77.19	188.06	191.48	3.42		191.52	0.001296	0.95	81.11	45.25	0.21
c04_01	4,879.72	Max WS	77.19	188.42	191.48	3.06		191.51	0.000981	0.85	90.42	41.14	0.18
c04_01	4,869.88	Max WS	77.21	188.43	191.47	3.04		191.50	0.000756	0.79	97.89	42.20	0.16
c04_01	4,860.10	Max WS	77.22	188.37	191.47	3.10		191.50	0.000643	0.75	102.88	46.82	0.15
c04_01	4,850.39	Max WS	77.23	188.39	191.46	3.07		191.49	0.000651	0.77	100.53	49.87	0.15
c04_01	4,840.54	Max WS	77.24	188.26	191.45	3.19		191.48	0.000867	0.86	90.02	35.79	0.17
c04_01	4,830.48	Max WS	77.25	187.78	191.45	3.67		191.48	0.000711	0.77	100.08	38.42	0.15
c04_01	4,820.86	Max WS	77.26	187.80	191.44	3.64		191.47	0.000648	0.80	97.15	34.38	0.15
c04_01	4,811.07	Max WS	77.27	187.59	191.44	3.85		191.46	0.00049	0.73	105.93	44.69	0.14
c04_01	4,802.89	Max WS	77.27	187.22	191.43	4.21		191.46	0.000624	0.80	96.75	32.98	0.15
c04_01	4,793.60	Max WS	77.29	187.82	191.38	3.56		191.45	0.0016	1.19	66.27	34.34	0.23
c04_01	4,783.13	Max WS	76.94	187.68	191.33	3.65		191.43	0.002554	1.43	54.81	32.01	0.29
c04_01	4,772.41	Max WS	76.97	187.45	191.29	3.84		191.40	0.002601	1.46	53.29	42.14	0.29
c04_01	4,763.49	Max WS	77.00	187.65	191.32	3.67		191.38	0.001538	1.16	67.19	52.99	0.22
c04_01	4,754.33	Max WS	77.03	187.87	191.31	3.44		191.37	0.001464	1.09	71.42	56.08	0.22
c04_01	4,745.19	Max WS	77.06	187.67	191.33	3.66		191.36	0.000527	0.74	104.01	58.84	0.14
c04_01	4,736.10	Max WS	77.09	187.61	191.33	3.72		191.35	0.000473	0.71	107.84	52.35	0.13
c04_01	4,727.06	Max WS	77.12	187.53	191.33	3.80		191.35	0.000357	0.64	119.59	53.12	0.12
c04_01	4,718.42	Max WS	77.15	187.29	191.32	4.03		191.35	0.000386	0.67	114.56	38.08	0.12
c04_01	4,709.95	Max WS	77.18	187.45	191.31	3.86		191.34	0.000681	0.81	95.55	36.07	0.16
c04_01	4,701.67	Max WS	77.21	187.40	191.27	3.87		191.33	0.001481	1.11	69.45	26.92	0.22
c04_01	4,693.61	Max WS	77.24	187.40	191.24	3.84		191.32	0.001812	1.26	61.25	22.57	0.24
c04_01	4,685.96	Max WS	77.26	187.40	191.21	3.81		191.31	0.00219	1.39	55.61	20.53	0.27
c04_01	4,678.64	Max WS	77.29	187.10	191.14	4.04		191.29	0.003612	1.69	45.76	17.84	0.34
c04_01	4,671.32	Max WS	77.31	187.53	191.11	3.58		191.26	0.004042	1.72	45.00	19.08	0.36
c04_01	4,664.06	Max WS	77.34	187.40	191.15	3.75		191.23	0.001892	1.29	60.04	27.90	0.25
c04_01	4,657.12	Max WS	77.36	187.47	191.08	3.61		191.21	0.004073	1.65	46.79	32.39	0.36
c04_01	4,650.14	Max WS	77.38	187.48	191.05	3.57		191.19	0.004224	1.64	47.05	42.72	0.36
c04_01	4,643.13	Max WS	77.40	187.73	191.04	3.31		191.16	0.002945	1.50	51.43	50.41	0.31
c04_01	4,635.87	Max WS	77.42	188.40	190.99	2.59		191.13	0.004518	1.66	46.50	56.39	0.38
c04_01	4,628.76	Max WS	77.43	188.06	190.92	2.86		191.12	0.004057	1.56	43.37	60.30	0.36
c04_01	4,620.43	Max WS	77.45	188.10	190.54	2.44		191.14	0.02931	3.41	22.69	57.45	0.90
c04_01	4,613.28	Max WS	77.47	188.19	190.24	2.05	190.42	191.11	0.057641	4.14	18.70	56.03	1.23
c04_01	4,605.74	Max WS	77.48	187.93	189.79	1.86	190.10	190.86	0.06071	4.58	17.00	63.06	1.29
c04_01	4,597.18	Max WS	77.49	186.68	189.49	2.81		189.75	0.010005	2.24	34.75	54.47	0.55
c04_01	4,589.91	Max WS	77.49	186.41	189.62	3.21		189.68	0.001799	1.15	67.58	70.13	0.25

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	4,583.87	Max WS	77.49	186.29	189.61	3.32		189.67	0.001772	1.14	67.87	72.00	0.24
c04_01	4,578.24	Max WS	77.48	186.72	189.56	2.84		189.66	0.003012	1.38	56.32	74.74	0.31
c04_01	4,572.18	Max WS	77.48	186.59	189.54	2.95		189.64	0.003161	1.43	54.16	73.77	0.32
c04_01	4,565.35	Max WS	77.47	186.36	189.50	3.14		189.62	0.003261	1.51	51.42	73.59	0.32
c04_01	4,558.59	Max WS	77.46	186.75	189.41	2.66		189.59	0.00557	1.86	41.72	82.03	0.42
c04_01	4,550.73	Max WS	77.45	186.52	189.36	2.84		189.54	0.006128	1.91	40.58	76.44	0.43
c04_01	4,542.73	Max WS	77.43	186.69	189.28	2.59		189.49	0.007076	2.04	38.04	68.97	0.47
c04_01	4,534.84	Max WS	76.76	186.69	189.20	2.51		189.43	0.007808	2.11	36.39	72.98	0.49
c04_01	4,526.43	Max WS	76.77	186.46	188.94	2.48		189.34	0.015769	2.80	27.41	64.77	0.68
c04_01	4,517.97	Max WS	77.39	186.62	188.63	2.01	188.58	189.30	0.031725	3.60	21.47	28.95	0.95
c04_01	4,510.04	Max WS	75.25	186.27	188.60	2.33		188.92	0.012846	2.50	30.12	29.28	0.62
c04_01	4,502.64	Max WS	75.26	185.99	188.56	2.57		188.84	0.009373	2.20	32.82	49.76	0.53
c04_01	4,498.24	Max WS	75.26	186.68	188.51	2.20		188.78	0.013117	2.26	32.89	60.91	0.62
c04_01	4,491.18	Max WS	75.25	186.07	188.65	2.58		188.70	0.001354	0.98	76.47	69.85	0.22
c04_01	4,482.07	Max WS	75.25	186.03	188.66	2.63		188.69	0.000747	0.73	102.99	76.50	0.16
c04_01	4,475.31	Max WS	75.25	185.96	188.66	2.70		188.68	0.000501	0.61	122.10	78.28	0.13
c04_01	4,469.56	Max WS	75.25	185.89	188.66	2.77		188.68	0.000584	0.64	118.36	76.88	0.14
c04_01	4,463.85	Max WS	75.24	185.90	188.66	2.76		188.68	0.000541	0.63	120.37	77.38	0.14
c04_01	4,456.64	Max WS	75.24	185.78	188.65	2.87		188.67	0.000543	0.62	121.68	77.26	0.14
c04_01	4,448.08	Max WS	75.23	185.76	188.65	2.89		188.67	0.000399	0.55	137.45	85.89	0.12
c04_01	4,439.69	Max WS	75.23	185.71	188.65	2.94		188.66	0.000383	0.53	141.92	94.19	0.12
c04_01	4,431.81	Max WS	75.22	185.61	188.65	3.04		188.66	0.000323	0.49	152.67	93.11	0.11
c04_01	4,424.28	Max WS	75.21	185.26	188.65	3.39		188.66	0.00025	0.45	168.65	88.84	0.09
c04_01	4,416.83	Max WS	75.20	185.41	188.65	3.24		188.66	0.000275	0.45	166.33	88.00	0.10
c04_01	4,406.80	Max WS	75.20	185.53	188.64	3.11		188.66	0.000271	0.46	162.48	83.79	0.10
c04_01	4,396.87	Max WS	75.19	185.40	188.64	3.24		188.65	0.000257	0.45	168.69	76.38	0.10
c04_01	4,389.43	Max WS	75.19	185.35	188.64	3.29		188.65	0.000217	0.41	181.98	79.92	0.09
c04_01	4,381.48	Max WS	75.18	185.22	188.64	3.42		188.65	0.000195	0.40	186.21	78.00	0.08
c04_01	4,372.98	Max WS	75.18	185.18	188.64	3.46		188.65	0.000152	0.37	203.13	79.88	0.07
c04_01	4,364.24	Max WS	75.17	184.96	188.64	3.68		188.65	0.000144	0.36	207.17	80.61	0.07
c04_01	4,355.38	Max WS	75.17	185.15	188.64	3.49		188.65	0.000146	0.36	206.31	80.36	0.07
c04_01	4,347.14	Max WS	75.16	185.15	188.64	3.49		188.64	0.000175	0.38	196.06	81.95	0.08
c04_01	4,338.91	Max WS	75.15	185.19	188.63	3.44		188.64	0.00024	0.43	176.00	77.99	0.09
c04_01	4,330.67	Max WS	75.15	185.20	188.63	3.43		188.64	0.00022	0.44	169.61	80.44	0.09
c04_01	4,322.20	Max WS	75.14	185.16	188.63	3.47		188.64	0.000322	0.50	151.01	85.82	0.11
c04_01	4,313.86	Max WS	75.13	184.82	188.62	3.80		188.64	0.000423	0.60	124.74	85.77	0.12
c04_01	4,304.19	Max WS	75.12	185.36	188.60	3.24		188.63	0.000927	0.79	93.19	83.29	0.17
c04_01	4,294.51	Max WS	75.11	185.31	188.57	3.26		188.62	0.001185	0.94	80.31	79.43	0.20
c04_01	4,284.76	Max WS	75.11	185.18	188.54	3.36		188.61	0.001582	1.14	68.90	73.82	0.23
c04_01	4,275.24	Max WS	75.10	185.19	188.51	3.32		188.59	0.002078	1.24	61.25	65.30	0.26
c04_01	4,265.81	Max WS	75.10	185.15	188.46	3.31		188.56	0.002811	1.40	53.51	23.38	0.30
c04_01	4,256.49	Max WS	75.12	184.84	188.22	3.38		188.52	0.010125	2.40	31.31	15.11	0.53
c04_01	4,247.21	Max WS	75.13	184.81	188.31	3.50		188.45	0.003715	1.67	45.07	17.85	0.33
c04_01	4,237.94	Max WS	75.15	184.92	188.30	3.38		188.42	0.003325	1.50	50.02	22.50	0.32
c04_01	4,228.99	Max WS	75.15	184.82	188.33	3.51		188.39	0.001444	1.10	68.59	27.53	0.22
c04_01	4,220.07	Max WS	75.16	184.81	188.33	3.52		188.38	0.001109	0.99	75.77	29.81	0.20
c04_01	4,211.18	Max WS	75.16	184.98	188.28	3.30		188.37	0.002259	1.29	59.04	31.69	0.27
c04_01	4,202.58	Max WS	75.17	184.89	188.23	3.34		188.34	0.004271	1.49	50.28	34.24	0.36
c04_01	4,194.35	Max WS	75.17	185.31	188.22	2.91		188.31	0.002155	1.27	57.28	37.62	0.27
c04_01	4,186.20	Max WS	75.17	185.42	188.18	2.76		188.30	0.002263	1.18	54.36	41.62	0.27
c04_01	4,177.89	Max WS	75.17	184.73	188.22	3.49		188.28	0.000986	0.91	73.27	48.32	0.18
c04_01	4,169.51	Max WS	75.16	184.71	188.21	3.50		188.28	0.00075	0.81	78.75	56.14	0.16
c04_01	4,161.23	Max WS	75.15	184.82	188.21	3.39		188.27	0.000301	0.47	80.21	59.69	0.10

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	4,153.02	Max WS	75.13	185.22	188.19	3.64		188.28	0.000501	0.53	72.69	64.61	0.12
c04_01	4,143.44	Max WS	75.11	185.20	188.05	2.85		188.27	0.006195	1.75	39.08	66.78	0.43
c04_01	4,134.15	Max WS	75.10	184.63	187.75	3.12		188.17	0.01518	2.89	25.98	61.36	0.66
c04_01	4,125.15	Max WS	75.08	184.45	187.76	3.31		188.06	0.009805	2.42	31.07	44.48	0.55
c04_01	4,117.02	Max WS	75.08	183.96	187.58	3.62		187.97	0.012778	2.76	27.22	31.62	0.60
c04_01	4,108.92	Max WS	75.08	184.12	187.57	3.45		187.88	0.009939	2.44	30.81	29.42	0.55
c04_01	4,100.84	Max WS	74.63	185.23	187.35	2.12	187.32	188.01	0.033596	3.60	20.71	17.09	0.97
c04_01	4,094.20	Max WS	75.11	184.98	187.23	2.25		187.54	0.013132	2.47	30.41	19.20	0.63
c04_01	4,087.44	Max WS	75.13	184.76	187.25	2.49		187.46	0.009061	2.02	37.22	24.20	0.52
c04_01	4,077.50	Max WS	75.15	184.67	186.87	2.20		187.34	0.02212	3.05	24.66	16.66	0.80
c04_01	4,070.70	Max WS	75.16	184.45	186.65	2.20	186.62	187.23	0.033793	3.36	22.34	18.05	0.97
c04_01	4,063.42	Max WS	75.18	184.74	186.37	1.63	186.45	187.04	0.044672	3.64	20.65	18.64	1.10
c04_01	4,057.78	Max WS	75.19	184.31	186.17	1.86		186.62	0.027265	2.96	25.38	22.40	0.87
c04_01	4,051.95	Max WS	75.20	184.31	186.24	1.93		186.44	0.00941	1.95	38.59	30.78	0.53
c04_01	4,045.36	Max WS	75.22	183.83	186.30	2.47		186.39	0.003345	1.31	57.25	39.51	0.32
c04_01	4,038.89	Max WS	75.23	184.17	186.27	2.10		186.37	0.003932	1.37	55.01	52.86	0.35
c04_01	4,028.93	Max WS	75.25	183.84	186.25	2.41		186.33	0.003379	1.28	58.57	50.46	0.32
c04_01	4,021.46	Max WS	75.26	183.77	186.24	2.47		186.31	0.002387	1.18	63.60	47.10	0.28
c04_01	4,013.76	Max WS	75.27	183.59	186.23	2.64		186.29	0.001685	1.08	69.82	42.36	0.24
c04_01	4,007.01	Max WS	75.28	183.60	186.22	2.62		186.28	0.001647	1.09	68.98	38.07	0.24
c04_01	4,000.18	Max WS	75.29	183.63	186.18	2.55		186.27	0.002743	1.31	57.66	32.72	0.30
c04_01	3,990.79	Max WS	75.31	183.69	185.87	2.18		186.20	0.019985	2.56	29.42	24.55	0.75
c04_01	3,981.56	Max WS	75.33	183.67	185.57	1.90	185.54	186.07	0.03443	3.15	23.92	22.22	0.97
c04_01	3,972.58	Max WS	75.34	183.29	184.98	1.69	185.37	186.14	0.095793	4.77	15.81	16.79	1.57
c04_01	3,962.33	Max WS	75.36	182.59	184.24	1.65	184.34	184.87	0.0489	3.51	21.50	22.18	1.14
c04_01	3,952.35	Max WS	75.37	181.94	183.92	1.98		184.23	0.015915	2.46	30.67	22.87	0.68
c04_01	3,942.63	Max WS	75.38	181.21	184.03	2.82		184.11	0.002378	1.25	60.25	27.84	0.27
c04_01	3,933.15	Max WS	75.38	181.15	183.99	2.84		184.09	0.002994	1.35	55.95	27.74	0.30
c04_01	3,924.40	Max WS	75.39	181.15	183.95	2.80		184.06	0.003499	1.46	51.69	26.31	0.33
c04_01	3,915.64	Max WS	75.39	180.89	183.90	3.01		184.03	0.003808	1.58	47.64	22.60	0.35
c04_01	3,906.86	Max WS	75.40	180.83	183.86	3.03		183.99	0.003792	1.59	47.32	22.06	0.35
c04_01	3,898.07	Max WS	75.41	180.71	183.83	3.12		183.96	0.004228	1.56	48.26	25.17	0.36
c04_01	3,889.29	Max WS	75.42	180.63	183.76	3.13		183.92	0.005062	1.76	42.94	21.75	0.40
c04_01	3,879.53	Max WS	75.42	180.51	183.72	3.21		183.87	0.004597	1.72	43.92	21.34	0.38
c04_01	3,869.72	Max WS	75.43	180.91	183.62	2.71		183.81	0.007547	1.93	39.16	23.54	0.48
c04_01	3,859.84	Max WS	75.44	180.97	183.56	2.59		183.73	0.007627	1.86	40.51	26.32	0.48
c04_01	3,849.87	Max WS	75.44	180.32	183.60	3.28		183.68	0.002298	1.25	60.36	28.59	0.27
c04_01	3,839.78	Max WS	75.44	180.55	183.56	3.01		183.65	0.003235	1.34	56.27	31.00	0.32
c04_01	3,829.82	Max WS	75.44	180.47	183.45	2.98		183.61	0.005989	1.77	42.53	24.53	0.43
c04_01	3,820.09	Max WS	75.32	180.76	183.31	2.55		183.54	0.00859	2.10	35.80	20.69	0.51
c04_01	3,810.45	Max WS	75.33	180.73	182.97	2.24		183.42	0.020918	2.96	25.45	16.93	0.77
c04_01	3,800.81	Max WS	75.35	179.96	183.01	3.05		183.26	0.009145	2.20	34.29	18.88	0.52
c04_01	3,791.16	Max WS	75.37	179.93	183.04	3.11		183.19	0.004594	1.71	43.96	21.52	0.38
c04_01	3,781.63	Max WS	75.38	179.46	183.07	3.61		183.16	0.002008	1.30	58.05	22.40	0.26
c04_01	3,772.12	Max WS	75.40	179.37	183.05	3.68		183.14	0.002154	1.31	57.39	23.05	0.27
c04_01	3,762.60	Max WS	75.42	179.23	183.04	3.81		183.12	0.001685	1.21	62.45	24.22	0.24
c04_01	3,753.10	Max WS	75.43	179.08	183.03	3.95		183.10	0.001568	1.17	64.30	24.62	0.23
c04_01	3,743.64	Max WS	75.45	179.14	183.04	3.90		183.09	0.001021	0.98	76.95	27.87	0.19
c04_01	3,734.39	Max WS	75.46	179.35	183.01	3.66		183.08	0.001594	1.14	66.10	26.77	0.23
c04_01	3,725.12	Max WS	75.48	179.00	183.00	4.00		183.06	0.00137	1.12	67.51	24.97	0.22
c04_01	3,715.85	Max WS	75.50	178.89	182.99	4.10		183.05	0.001198	1.08	69.79	24.41	0.20
c04_01	3,706.58	Max WS	75.51	178.93	182.98	4.05		183.04	0.001153	1.07	70.50	24.22	0.20
c04_01	3,701.04	Max WS	75.52	179.18	182.96	3.78		183.03	0.001624	1.21	62.51	22.77	0.23

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	3,695.52	Max WS	75.53	179.18	182.95	3.77		183.02	0.001643	1.23	61.33	21.92	0.24
c04_01	3,685.90	Max WS	75.55	179.35	182.89	3.54		183.00	0.002781	1.51	50.14	19.76	0.30
c04_01	3,680.71	Max WS	75.56	179.63	182.74	3.11		182.98	0.007336	2.18	34.67	16.03	0.47
c04_01	3,675.50	Max WS	75.57	179.59	182.47	2.88		182.93	0.017023	3.00	25.17	13.43	0.70
c04_01	3,668.38	Max WS	75.58	179.48	182.52	3.04		182.83	0.009923	2.44	30.95	14.63	0.54
c04_01	3,661.24	Max WS	75.59	179.54	182.27	2.73		182.74	0.017774	3.04	24.90	13.38	0.71
c04_01	3,651.77	Max WS	75.61	179.44	181.91	2.47	181.83	182.64	0.032831	3.80	19.88	11.93	0.94
c04_01	3,642.41	Max WS	75.63	179.14	181.70	2.56		182.30	0.024809	3.43	22.08	12.48	0.82
c04_01	3,633.09	Max WS	75.65	179.15	181.52	2.37		182.08	0.022194	3.31	22.89	12.95	0.79
c04_01	3,623.81	Max WS	75.66	178.94	181.20	2.26		181.90	0.030789	3.70	20.45	12.50	0.92
c04_01	3,614.43	Max WS	75.68	178.87	181.06	2.19		181.57	0.021138	3.16	23.96	14.09	0.77
c04_01	3,604.98	Max WS	75.70	178.67	180.77	2.10	180.73	181.40	0.033144	3.51	21.56	15.90	0.96
c04_01	3,595.57	Max WS	75.71	178.42	180.63	2.21		180.96	0.014698	2.53	29.87	19.80	0.66
c04_01	3,587.69	Max WS	75.72	178.24	180.65	2.41		180.86	0.008222	2.05	36.98	21.88	0.50
c04_01	3,579.66	Max WS	75.74	178.23	180.53	2.30		180.79	0.010217	2.25	33.62	20.10	0.56
c04_01	3,571.46	Max WS	75.75	178.19	180.47	2.28		180.71	0.009691	2.16	35.11	21.65	0.54
c04_01	3,564.48	Max WS	75.76	178.05	180.47	2.42		180.65	0.006836	1.89	40.06	23.19	0.46
c04_01	3,557.23	Max WS	75.77	178.14	180.39	2.25		180.59	0.008418	1.98	38.25	24.13	0.50
c04_01	3,550.06	Max WS	75.77	178.14	180.21	2.07		180.51	0.016372	2.40	31.63	24.85	0.68
c04_01	3,540.74	Max WS	75.78	177.99	180.24	2.25		180.39	0.006812	1.72	44.04	29.79	0.45
c04_01	3,531.38	Max WS	75.78	177.91	180.16	2.25		180.33	0.006861	1.83	41.86	29.87	0.46
c04_01	3,521.78	Max WS	75.78	178.07	180.11	2.04		180.26	0.007268	1.76	43.56	34.67	0.47
c04_01	3,512.17	Max WS	75.00	177.69	180.06	2.37		180.20	0.005257	1.58	46.50	37.25	0.40
c04_01	3,503.73	Max WS	75.01	177.49	180.05	2.56		180.16	0.004259	1.46	51.38	41.76	0.36
c04_01	3,495.47	Max WS	75.02	177.73	180.00	2.27		180.12	0.004944	1.46	48.95	43.02	0.38
c04_01	3,486.78	Max WS	75.03	177.63	179.99	2.36		180.08	0.003568	1.31	54.88	45.94	0.33
c04_01	3,478.03	Max WS	75.04	177.44	179.97	2.53		180.06	0.00261	1.22	59.04	46.10	0.29
c04_01	3,470.57	Max WS	75.05	177.20	179.95	2.75		180.04	0.002453	1.18	59.01	43.68	0.28
c04_01	3,462.72	Max WS	75.06	176.72	179.94	3.22		180.02	0.001822	1.06	61.59	41.11	0.24
c04_01	3,454.82	Max WS	75.07	176.62	179.92	3.30		180.01	0.001746	0.98	61.02	39.54	0.23
c04_01	3,446.87	Max WS	75.08	176.55	179.91	3.36		180.00	0.001718	1.06	62.17	37.92	0.24
c04_01	3,440.68	Max WS	75.09	176.60	179.90	3.30		179.98	0.002049	1.14	59.27	39.10	0.25
c04_01	3,434.57	Max WS	75.10	176.40	179.89	3.49		179.97	0.002628	1.24	61.59	42.92	0.29
c04_01	3,429.66	Max WS	75.10	176.30	179.88	3.58		179.96	0.002633	1.25	61.57	44.09	0.29
c04_01	3,424.47	Max WS	75.11	176.02	179.87	3.85		179.94	0.002724	1.24	62.59	47.55	0.29
c04_01	3,421.33	Max WS	75.11	175.93	179.86	3.93		179.94	0.001843	1.10	63.72	49.87	0.24
c04_01	3,419.34	Max WS	75.12	175.66	179.88	4.22		179.93	0.001448	1.04	76.61	79.48	0.21
c04_01	3,416.54	Max WS	75.11	175.65	179.89	4.24		179.93	0.000905	0.88	91.68	102.25	0.18
c04_01	3,413.20	Max WS	98.68	175.51	179.84	4.33		179.91	0.001002	1.12	90.03	79.85	0.19
c04_01	3,409.84	Max WS	98.71	175.48	179.86	4.38		179.90	0.000528	0.82	130.61	180.55	0.14
c04_01	3,404.91	Max WS	98.68	175.86	179.88	4.02	178.19	179.89	0.000184	0.47	197.68	220.78	0.08
c04_01	3,375.38		Bridge										
c04_01	3,355.31	Max WS	98.68	176.00	178.90	2.90		179.38	0.006752	2.16	36.68	209.58	0.44
c04_01	3,345.16	Max WS	98.66	175.80	178.67	2.87	178.58	179.38	0.009492	2.18	31.72	217.60	0.49
c04_01	3,334.55	Max WS	98.64	175.79	178.52	2.73	178.67	179.45	0.020536	2.84	26.17	145.07	0.74
c04_01	3,323.92	Max WS	98.76	175.60	178.38	2.78		178.72	0.007313	2.21	40.88	140.44	0.49
c04_01	3,314.93	Max WS	98.87	175.43	178.34	2.91		178.67	0.004851	1.84	44.63	116.52	0.40
c04_01	3,307.30	Max WS	98.97	175.36	178.27	2.91		178.65	0.004787	1.79	44.17	115.34	0.39
c04_01	3,298.19	Max WS	99.09	175.24	178.24	3.00		178.61	0.004335	1.72	45.35	95.73	0.37
c04_01	3,289.09	Max WS	99.21	175.10	178.23	3.13		178.55	0.004088	1.76	46.38	98.84	0.36
c04_01	3,279.97	Max WS	99.33	175.01	178.00	2.99		178.45	0.016559	2.97	33.44	95.55	0.69
c04_01	3,270.87	Max WS	99.46	174.92	177.91	2.99		178.31	0.012376	2.79	35.67	55.30	0.61
c04_01	3,263.30	Max WS	99.57	175.01	177.66	2.65		178.19	0.021209	3.25	30.67	20.58	0.77

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	3,255.64	Max WS	99.68	174.88	177.42	2.54		178.07	0.024902	3.59	28.09	18.58	0.84
c04_01	3,247.88	Max WS	99.79	174.80	177.44	2.64		177.78	0.012381	2.58	38.81	29.79	0.61
c04_01	3,240.01	Max WS	99.87	174.63	177.57	2.94		177.71	0.002443	1.38	63.49	55.18	0.28
c04_01	3,232.90	Max WS	99.98	174.65	177.60	2.95		177.69	0.0015	1.03	77.56	73.14	0.22
c04_01	3,224.06	Max WS	100.06	174.58	177.61	3.03		177.68	0.001016	0.81	89.00	190.20	0.18
c04_01	3,212.24	Max WS	100.13	174.34	177.60	3.26		177.67	0.001046	0.87	92.18	187.02	0.18
c04_01	3,205.22	Max WS	100.19	174.29	177.57	3.28		177.66	0.001274	0.98	81.55	177.86	0.20
c04_01	3,196.38	Max WS	100.25	174.48	177.54	3.06		177.65	0.001729	1.09	73.35	170.47	0.23
c04_01	3,186.75	Max WS	100.31	174.31	177.49	3.18		177.63	0.002499	1.28	64.29	162.97	0.28
c04_01	3,179.86	Max WS	100.37	174.26	177.46	3.20		177.61	0.002947	1.44	60.36	157.92	0.30
c04_01	3,173.26	Max WS	100.44	174.12	177.41	3.29		177.59	0.00372	1.68	55.15	148.88	0.35
c04_01	3,164.31	Max WS	100.50	174.19	177.23	3.04		177.53	0.01031	2.40	41.42	140.70	0.56
c04_01	3,155.57	Max WS	100.57	174.08	177.01	2.93		177.43	0.014814	2.85	35.25	19.94	0.66
c04_01	3,149.00	Max WS	100.64	173.95	176.68	2.73		177.37	0.02642	3.68	27.32	15.35	0.88
c04_01	3,141.41	Max WS	100.73	173.85	176.42	2.57	176.36	177.24	0.031874	4.02	25.07	14.04	0.96
c04_01	3,134.32	Max WS	100.82	173.64	176.14	2.50	176.31	177.24	0.04589	4.64	21.75	16.89	1.13
c04_01	3,126.62	Max WS	100.91	173.51	175.90	2.39		176.50	0.020882	3.32	29.45	66.03	0.78
c04_01	3,119.89	Max WS	101.00	173.42	175.79	2.37	175.61	176.47	0.010399	2.31	32.67	57.55	0.55
c04_01	3,112.55	Max WS	100.59	173.39	175.76	2.37	175.62	176.17	0.007323	2.02	39.11	68.51	0.46
c04_01	3,105.66	Max WS	100.66	173.38	175.78	2.40		176.09	0.005548	1.75	44.41	84.32	0.40
c04_01	3,098.94	Max WS	98.54	173.37	175.76	2.39		176.08	0.000974	2.85	49.09	72.67	0.65
c04_01	3,090.84	Max WS	98.59	173.31	175.81	2.50		176.04	0.000788	2.50	54.95	73.22	0.59
c04_01	3,081.63	Max WS	98.65	173.25	175.87	2.62		176.02	0.00047	2.09	69.21	87.76	0.45
c04_01	3,074.08	Max WS	98.72	173.20	175.90	2.70		176.01	0.000358	1.83	78.14	96.16	0.40
c04_01	3,067.28	Max WS	98.79	173.13	175.91	2.78		176.00	0.000296	1.67	86.21	104.25	0.37
c04_01	3,060.11	Max WS	100.99	173.14	175.92	2.78		176.00	0.000255	1.57	93.84	111.84	0.34
c04_01	3,051.73	Max WS	101.05	173.06	175.94	2.88		176.00	0.00019	1.40	105.77	117.60	0.29
c04_01	3,042.28	Max WS	101.09	173.02	175.94	2.92		176.00	0.00018	1.33	110.75	123.17	0.28
c04_01	3,034.24	Max WS	101.13	173.00	175.95	2.95		175.99	0.000166	1.25	117.15	128.63	0.26
c04_01	3,028.65	Max WS	101.17	172.95	175.95	3.00		175.99	0.000149	1.18	122.29	134.26	0.26
c04_01	3,021.29	Max WS	101.21	172.90	175.95	3.05		175.99	0.000126	1.16	129.32	138.72	0.24
c04_01	3,012.96	Max WS	101.24	172.84	175.96	3.12		175.99	0.000102	1.07	140.36	144.09	0.22
c04_01	3,006.64	Max WS	101.27	172.86	175.96	3.10		175.99	0.000098	1.02	144.31	147.04	0.21
c04_01	2,997.72	Max WS	101.32	172.86	175.96	3.10		175.99	0.000084	0.98	150.95	150.44	0.20
c04_01	2,989.11	Max WS	101.36	172.76	175.96	3.20		175.99	0.000087	1.00	146.14	146.72	0.20
c04_01	2,937.75	Max WS	101.42	172.51	175.90	3.39		176.00	0.000202	1.53	89.45	101.07	0.30
c04_01	2,929.92	Max WS	100.01	172.50	175.84	3.34		176.01	0.00042	2.07	67.84	79.40	0.40
c04_01	2,926.73	Max WS	100.05	172.46	175.84	3.38		176.01	0.000547	2.11	64.54	83.76	0.41
c04_01	2,919.09	Max WS	100.12	172.44	175.79	3.35		176.01	0.000672	2.33	56.18	94.18	0.47
c04_01	2,908.35	Max WS	100.21	172.39	175.78	3.39		176.00	0.000526	2.19	55.69	116.60	0.46
c04_01	2,899.97	Max WS	100.29	172.37	175.68	3.31		176.01	0.000714	2.64	45.71	120.42	0.54
c04_01	2,891.55	Max WS	100.36	172.34	175.67	3.33		176.00	0.000738	2.67	44.69	138.69	0.54
c04_01	2,883.05	Max WS	100.44	172.31	175.67	3.36		175.99	0.000692	2.59	44.90	153.45	0.51
c04_01	2,874.52	Max WS	101.98	172.27	175.73	3.46		175.99	0.000418	2.25	48.80	171.03	0.43
c04_01	2,865.99	Max WS	102.02	172.28	175.56	3.28		176.03	0.000947	3.07	35.91	155.62	0.61
c04_01	2,857.43	Max WS	102.07	172.14	175.62	3.48		176.00	0.000755	2.76	38.92	168.15	0.56
c04_01	2,847.81	Max WS	102.13	172.15	175.58	3.43		175.96	0.007575	2.81	37.87	139.83	0.53
c04_01	2,838.13	Max WS	102.19	172.21	175.51	3.30		175.89	0.007095	2.80	38.17	134.26	0.53
c04_01	2,828.40	Max WS	102.25	172.06	175.28	3.22		175.85	0.01244	3.40	31.31	115.69	0.68
c04_01	2,818.64	Max WS	102.33	172.03	175.21	3.18		175.73	0.009553	3.20	32.27	102.29	0.63
c04_01	2,808.83	Max WS	102.42	172.01	175.04	3.03		175.66	0.012676	3.49	29.37	91.80	0.72
c04_01	2,799.07	Max WS	102.51	171.98	174.96	2.98		175.53	0.011888	3.37	31.51	103.74	0.70
c04_01	2,789.47	Max WS	102.61	172.00	174.79	2.79	174.87	175.56	0.023822	3.90	26.48	103.17	1.00

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	2,779.98	Max WS	102.70	172.16	174.59	2.43		175.03	0.020664	2.95	34.78	93.54	0.91
c04_01	2,771.11	Max WS	102.80	172.37	174.54	2.17		174.82	0.012891	2.36	43.63	89.07	0.73
c04_01	2,762.01	Max WS	102.89	171.78	174.63	2.85		174.73	0.002786	1.39	74.05	89.13	0.36
c04_01	2,752.94	Max WS	102.99	171.52	174.62	3.10		174.70	0.002359	1.27	80.81	76.86	0.33
c04_01	2,743.80	Max WS	103.08	171.71	174.61	2.90		174.68	0.00211	1.20	85.97	75.18	0.31
c04_01	2,735.08	Max WS	103.18	172.10	174.59	2.49		174.66	0.002515	1.23	84.06	63.72	0.34
c04_01	2,725.78	Max WS	103.28	172.07	174.57	2.68		174.64	0.0021	1.14	90.38	66.57	0.31
c04_01	2,717.12	Max WS	103.38	172.07	174.56	2.80		174.62	0.001733	1.08	95.81	68.19	0.29
c04_01	2,708.45	Max WS	103.48	172.07	174.55	2.69		174.61	0.001774	1.08	96.14	69.88	0.29
c04_01	2,699.80	Max WS	103.57	172.08	174.51	2.43		174.59	0.002804	1.21	85.27	72.29	0.35
c04_01	2,690.81	Max WS	103.67	171.34	174.49	3.15		174.56	0.002907	1.20	86.72	75.57	0.35
c04_01	2,681.91	Max WS	103.76	171.35	174.46	3.11		174.54	0.003243	1.24	83.96	81.32	0.37
c04_01	2,673.09	Max WS	103.85	171.71	174.44	2.73		174.51	0.00293	1.18	88.23	86.12	0.36
c04_01	2,664.37	Max WS	103.94	171.91	174.41	2.50		174.48	0.003325	1.21	85.68	91.19	0.38
c04_01	2,656.25	Max WS	104.01	171.36	174.37	3.01		174.45	0.003821	1.26	82.47	92.73	0.40
c04_01	2,649.18	Max WS	104.08	171.39	174.33	2.94		174.42	0.004544	1.35	77.06	93.25	0.43
c04_01	2,643.79	Max WS	104.15	171.54	174.27	2.73		174.39	0.006667	1.53	68.09	106.90	0.51
c04_01	2,638.21	Max WS	104.18	171.66	174.12	2.46		174.34	0.017659	2.08	50.00	103.55	0.80
c04_01	2,632.68	Max WS	104.22	172.27	174.04	1.77	174.06	174.37	0.015317	2.42	40.94	114.39	0.77
c04_01	2,624.02	Max WS	104.29	172.12	173.90	1.78	174.02	174.39	0.028179	3.36	33.83	112.38	1.07
c04_01	2,616.72	Max WS	104.36	171.21	173.68	2.47	173.95	174.51	0.033159	4.19	28.01	96.67	1.15
c04_01	2,609.08	Max WS	104.43	171.77	173.41	1.64	173.91	174.73	0.039698	4.04	22.93	59.15	1.27
c04_01	2,602.47	Max WS	103.84	171.43	173.22	1.79	173.43	174.00	0.024054	3.03	30.07	63.48	0.99
c04_01	2,594.68	Max WS	103.89	170.89	173.12	2.23		173.47	0.006478	2.04	45.05	74.76	0.54
c04_01	2,588.70	Max WS	103.97	170.83	173.14	2.31		173.35	0.007111	1.97	51.80	63.88	0.55
c04_01	2,583.40	Max WS	104.05	170.68	173.19	2.51		173.32	0.003526	1.56	65.21	69.06	0.40
c04_01	2,578.90	Max WS	104.65	170.69	173.20	2.51		173.31	0.002793	1.45	70.87	67.66	0.36
c04_01	2,571.06	Max WS	104.59	170.64	173.22	2.58	172.23	173.29	0.001786	1.17	88.12	93.72	0.29
c04_01	2,543.70		Bridge										
c04_01	2,508.05	Max WS	104.11	170.28	173.07	2.79		173.15	0.000428	0.70	109.53	185.08	0.15
c04_01	2,498.50	Max WS	104.10	170.28	173.04	2.76		173.15	0.000918	0.96	85.07	195.80	0.22
c04_01	2,487.54	Max WS	104.09	170.28	172.97	2.69		173.15	0.000838	0.82	65.61	184.61	0.20
c04_01	2,476.63	Max WS	104.08	170.12	172.94	2.82		173.14	0.000957	0.87	60.95	182.53	0.21
c04_01	2,466.40	Max WS	104.06	170.09	172.90	2.81		173.14	0.001268	1.02	57.38	180.63	0.24
c04_01	2,457.30	Max WS	104.04	169.85	172.82	2.97		173.15	0.002247	1.35	49.61	159.86	0.32
c04_01	2,448.27	Max WS	103.95	169.88	172.62	2.74	172.59	173.29	0.007256	2.09	35.02	146.84	0.54
c04_01	2,439.81	Max WS	103.90	169.85	172.54	2.69	172.61	173.40	0.010505	2.60	30.60	140.23	0.67
c04_01	2,430.95	Max WS	103.85	169.99	172.47	2.48	172.37	173.10	0.007587	2.25	35.17	138.86	0.58
c04_01	2,421.94	Max WS	103.80	170.03	172.49	2.46		173.00	0.005855	2.00	39.87	135.95	0.51
c04_01	2,412.43	Max WS	104.10	169.71	172.57	2.86		172.91	0.004463	1.82	47.60	155.77	0.45
c04_01	2,403.07	Max WS	104.08	169.59	172.58	2.99		172.86	0.004257	1.97	48.65	177.95	0.44
c04_01	2,393.93	Max WS	104.04	169.93	172.67	2.74		172.80	0.001407	1.31	69.52	233.72	0.27
c04_01	2,387.05		Culvert										
c04_01	2,380.39	Max WS	104.04	169.61	171.54	1.93	171.58	171.95	0.013925	2.76	36.64	149.09	0.77
c04_01	2,370.43	Max WS	104.04	169.92	171.42	1.50	171.52	171.92	0.018521	2.40	34.10	137.55	0.84
c04_01	2,361.80	Max WS	104.05	169.95	171.20	1.25	171.49	172.12	0.040695	2.90	25.27	104.70	1.17
c04_01	2,354.18	Max WS	104.05	169.38	171.00	1.62	171.07	171.41	0.018183	2.61	36.95	109.68	0.85
c04_01	2,344.79	Max WS	104.05	169.35	170.84	1.49	170.86	171.17	0.013689	2.09	41.27	93.76	0.71
c04_01	2,335.92	Max WS	104.06	169.35	170.71	1.36	170.76	171.04	0.014658	1.83	41.65	87.85	0.71
c04_01	2,327.23	Max WS	104.07	169.14	170.60	1.46		170.84	0.009569	1.52	49.07	87.41	0.56
c04_01	2,318.65	Max WS	104.07	169.14	170.58	1.44		170.75	0.006426	1.22	57.51	101.44	0.47
c04_01	2,310.40	Max WS	104.08	169.11	170.55	1.44		170.70	0.006072	1.32	60.24	112.65	0.47
c04_01	2,302.43	Max WS	103.24	169.39	170.49	1.10		170.66	0.006694	1.26	56.65	110.37	0.48

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	2,294.97	Max WS	103.23	169.53	170.46	1.05		170.61	0.005692	1.10	60.65	101.92	0.44
c04_01	2,288.04	Max WS	103.23	169.10	170.46	1.36		170.57	0.003923	1.07	69.13	105.58	0.38
c04_01	2,279.55	Max WS	103.23	168.89	170.46	1.57		170.55	0.002821	1.05	80.45	117.22	0.34
c04_01	2,270.55	Max WS	103.21	169.50	170.43	1.10		170.52	0.003369	0.88	76.54	128.02	0.35
c04_01	2,263.47	Max WS	111.46	169.02	170.40	1.38		170.49	0.002827	1.10	86.72	161.35	0.34
c04_01	2,258.12	Max WS	111.47	168.62	170.41	1.79		170.48	0.001717	1.10	99.85	132.47	0.29
c04_01	2,248.71	Max WS	111.48	168.86	170.38	1.52		170.46	0.002486	1.10	89.02	134.65	0.32
c04_01	2,238.32	Max WS	111.49	168.66	170.35	1.69		170.44	0.002721	1.49	84.31	120.59	0.43
c04_01	2,227.51	Max WS	111.51	168.28	170.32	2.04		170.42	0.002797	1.53	81.92	114.32	0.45
c04_01	2,217.09	Max WS	111.52	168.02	170.26	2.24		170.38	0.003643	1.77	73.55	106.89	0.50
c04_01	2,208.51	Max WS	111.53	167.95	170.24	2.29		170.35	0.003029	1.82	76.05	103.09	0.47
c04_01	2,200.07	Max WS	111.54	167.98	170.20	2.22		170.33	0.003311	1.77	72.75	97.74	0.49
c04_01	2,189.36	Max WS	111.55	168.03	170.13	2.10		170.30	0.004196	2.00	64.43	90.60	0.55
c04_01	2,179.98	Max WS	111.57	167.89	170.03	2.14		170.26	0.005713	2.34	55.65	79.10	0.65
c04_01	2,173.22	Max WS	111.58	167.64	169.96	2.32		170.24	0.006674	2.46	51.08	69.58	0.70
c04_01	2,164.57	Max WS	111.59	167.39	169.89	2.50	169.88	170.25	0.008108	2.80	45.33	68.22	0.74
c04_01	2,153.23	Max WS	111.61	167.33	169.79	2.46	169.90	170.25	0.012162	3.25	40.14	69.93	0.90
c04_01	2,145.98	Max WS	111.62	167.14	169.71	2.57	169.77	170.13	0.01047	3.29	40.89	68.69	0.84
c04_01	2,138.37	Max WS	111.64	167.06	169.64	2.58	169.70	170.07	0.008879	3.18	39.18	69.04	0.72
c04_01	2,128.86	Max WS	111.65	167.04	169.56	2.52	169.63	170.01	0.009234	3.26	40.24	69.75	0.75
c04_01	2,118.87	Max WS	111.67	167.27	169.47	2.20	169.54	169.93	0.010671	3.21	38.61	75.07	0.88
c04_01	2,112.51	Max WS	111.68	167.01	169.40	2.39	169.47	169.89	0.010217	3.28	37.59	78.13	0.87
c04_01	2,106.30	Max WS	111.69	166.79	169.32	2.53	169.48	169.95	0.014451	3.79	33.29	73.71	0.98
c04_01	2,101.03	Max WS	111.70	166.59	169.26	2.67	169.38	169.83	0.011207	3.63	35.45	58.16	0.89
c04_01	2,095.71	Max WS	111.71	166.67	169.20	2.53	169.30	169.76	0.009013	3.56	36.53	65.88	0.82
c04_01	2,090.20	Max WS	111.73	166.51	169.15	2.64	169.27	169.78	0.009982	3.64	33.87	70.76	0.86
c04_01	2,084.05	Max WS	111.74	166.87	169.07	2.20	169.34	169.96	0.017571	4.29	28.23	72.20	1.12
c04_01	2,074.06	Max WS	111.75	166.67	168.89	2.22	169.02	169.68	0.018082	3.92	28.51	29.18	1.11
c04_01	2,065.37	Max WS	111.77	166.70	168.73	2.03	169.02	169.70	0.021049	4.53	26.30	25.56	1.23
c04_01	2,059.56	Max WS	111.78	166.68	168.62	1.94	168.82	169.42	0.017279	4.29	29.07	30.11	1.11
c04_01	2,053.62	Max WS	111.79	166.56	168.53	1.97	168.65	169.19	0.014098	3.94	31.75	32.36	1.00
c04_01	2,048.45	Max WS	111.80	166.63	168.46	1.83	168.50	169.01	0.011849	3.51	34.50	34.20	0.90
c04_01	2,043.06	Max WS	111.81	166.62	168.39	1.77	168.49	168.97	0.015297	3.57	33.25	37.47	1.00
c04_01	2,036.83	Max WS	111.82	166.59	168.29	1.70	168.45	168.96	0.017816	4.03	31.55	39.57	1.09
c04_01	2,030.76	Max WS	111.83	166.64	168.20	1.56	168.25	168.70	0.013314	3.26	35.74	42.44	0.93
c04_01	2,025.00	Max WS	111.84	166.49	168.13	1.64	168.13	168.55	0.010772	3.13	38.97	45.19	0.84
c04_01	2,018.73	Max WS	111.85	166.35	168.07	1.72	168.05	168.46	0.010567	2.99	40.72	49.83	0.84
c04_01	2,013.23	Max WS	111.85	166.32	168.02	1.70		168.32	0.007966	2.55	45.83	52.78	0.75
c04_01	2,008.12	Max WS	111.86	166.28	167.97	1.69		168.28	0.008715	2.65	45.56	55.88	0.79
c04_01	2,002.58	Max WS	111.86	166.25	167.99	1.74		168.21	0.00521	2.18	54.81	59.54	0.62
c04_01	1,996.82	Max WS	111.86	166.20	168.01	1.81		168.18	0.003587	1.91	61.97	60.71	0.52
c04_01	1,987.40	Max WS	111.87	166.11	168.00	1.89		168.15	0.003114	1.73	66.50	63.56	0.48
c04_01	1,977.86	Max WS	111.88	165.99	168.00	2.01		168.12	0.002237	1.63	72.72	63.65	0.41
c04_01	1,969.54	Max WS	111.88	165.91	167.98	2.07		168.11	0.002253	1.69	71.33	62.55	0.42
c04_01	1,961.07	Max WS	111.89	165.90	167.96	2.07		168.09	0.001945	1.70	73.46	61.33	0.40
c04_01	1,953.79	Max WS	111.89	165.84	167.93	2.09		168.08	0.002366	1.85	68.41	59.49	0.43
c04_01	1,946.48	Max WS	111.89	165.80	167.92	2.12		168.06	0.002315	1.78	69.18	58.42	0.42
c04_01	1,936.72	Max WS	111.90	165.61	167.90	2.29		168.04	0.002282	1.78	69.06	57.28	0.43
c04_01	1,927.88	Max WS	111.90	165.43	167.90	2.47		168.02	0.001847	1.57	75.36	58.21	0.38
c04_01	1,921.19	Max WS	111.91	165.38	167.87	2.49		168.01	0.002122	1.65	71.67	59.15	0.41
c04_01	1,914.51	Max WS	111.91	165.21	167.85	2.64		167.99	0.002055	1.69	69.68	56.77	0.41
c04_01	1,907.77	Max WS	111.91	165.29	167.85	2.56		167.98	0.001803	1.60	70.80	44.52	0.39
c04_01	1,900.73	Max WS	111.92	165.16	167.86	2.70		167.97	0.001329	1.44	78.21	47.73	0.33

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	1,894.56	Max WS	111.93	165.21	167.86	2.65		167.95	0.002788	1.37	82.99	51.59	0.30
c04_01	1,888.41	Max WS	111.93	165.13	167.84	2.71		167.94	0.002858	1.39	81.79	50.02	0.31
c04_01	1,882.68	Max WS	111.94	165.03	167.79	2.76		167.92	0.004009	1.60	70.99	45.14	0.36
c04_01	1,877.41	Max WS	111.95	164.89	167.75	2.86		167.90	0.004621	1.69	67.91	46.43	0.39
c04_01	1,869.56	Max WS	111.96	165.02	167.72	2.70		167.86	0.004745	1.69	68.02	48.40	0.39
c04_01	1,862.56	Max WS	111.97	164.64	167.72	3.08		167.83	0.003059	1.45	77.45	39.47	0.32
c04_01	1,856.20	Max WS	111.97	164.78	167.70	2.92		167.81	0.003443	1.46	76.73	41.09	0.34
c04_01	1,849.65	Max WS	111.98	164.65	167.70	3.05		167.79	0.002542	1.34	83.66	53.25	0.29
c04_01	1,842.76	Max WS	111.99	164.68	167.66	2.98		167.77	0.002765	1.39	77.00	54.12	0.30
c04_01	1,836.10	Max WS	111.99	164.64	167.64	3.00		167.75	0.003556	1.47	75.98	55.48	0.34
c04_01	1,829.45	Max WS	112.00	164.50	167.58	3.08		167.74	0.002804	1.36	70.33	55.51	0.30
c04_01	1,820.95	Max WS	112.00	164.42	167.50	3.08		167.72	0.00432	1.67	58.08	54.54	0.37
c04_01	1,813.26	Max WS	112.01	164.43	167.24	2.81		167.67	0.014503	2.88	38.61	47.96	0.66
c04_01	1,805.49	Max WS	112.02	164.24	167.03	2.79	166.98	167.63	0.0238	3.47	32.53	38.37	0.82
c04_01	1,795.61	Max WS	112.04	164.16	166.88	2.72		167.38	0.015492	3.10	35.98	35.39	0.69
c04_01	1,786.48	Max WS	112.05	164.08	166.80	2.72		167.24	0.013586	2.93	38.27	31.38	0.66
c04_01	1,778.80	Max WS	112.06	163.74	166.87	3.13		167.15	0.007762	2.37	47.33	21.04	0.50
c04_01	1,770.81	Max WS	112.07	163.66	166.86	3.20		167.09	0.00654	2.16	51.96	34.00	0.46
c04_01	1,762.89	Max WS	112.09	163.83	166.82	2.99		167.04	0.005989	2.09	53.73	40.09	0.44
c04_01	1,754.71	Max WS	112.10	163.86	166.77	2.91		166.99	0.006322	2.10	53.55	42.17	0.46
c04_01	1,745.90	Max WS	112.11	163.94	166.69	2.75		166.93	0.00813	2.16	51.77	43.73	0.51
c04_01	1,740.19	Max WS	112.12	164.07	166.51	2.44		166.87	0.014583	2.67	42.49	32.06	0.66
c04_01	1,730.38	Max WS	112.15	163.74	166.49	2.75		166.75	0.009459	2.27	49.96	32.07	0.55
c04_01	1,722.86	Max WS	112.16	163.60	166.37	2.77		166.67	0.010995	2.45	46.34	36.83	0.59
c04_01	1,715.36	Max WS	112.16	163.61	166.42	2.81		166.61	0.005481	1.90	59.35	40.75	0.43
c04_01	1,709.28	Max WS	112.17	163.55	166.39	2.84		166.58	0.004587	1.93	58.47	39.09	0.40
c04_01	1,703.33	Max WS	112.18	163.58	166.34	2.76		166.55	0.005369	2.03	55.40	37.84	0.43
c04_01	1,695.48	Max WS	112.19	163.47	166.33	2.86		166.51	0.00477	1.89	60.12	36.03	0.39
c04_01	1,687.33	Max WS	112.20	163.64	166.28	2.64		166.47	0.005899	1.97	58.13	36.46	0.43
c04_01	1,681.94	Max WS	112.21	163.48	166.31	2.83		166.44	0.003446	1.61	70.93	39.76	0.34
c04_01	1,676.92	Max WS	112.22	163.24	166.34	3.10		166.43	0.002114	1.32	86.66	44.60	0.27
c04_01	1,670.93	Max WS	112.22	163.21	166.34	3.13		166.41	0.001724	1.22	94.00	48.09	0.25
c04_01	1,664.86	Max WS	112.23	163.15	166.34	3.19		166.40	0.001321	1.13	101.79	49.36	0.22
c04_01	1,657.08	Max WS	112.24	163.12	166.33	3.21		166.39	0.001179	1.11	104.62	55.61	0.21
c04_01	1,649.31	Max WS	112.25	163.01	166.32	3.31		166.39	0.001283	1.15	100.70	76.44	0.22
c04_01	1,641.55	Max WS	112.25	162.99	166.30	3.31		166.37	0.001469	1.24	93.39	62.56	0.24
c04_01	1,636.31	Max WS	112.26	163.01	166.21	3.20		166.36	0.00394	1.80	64.09	43.05	0.36
c04_01	1,628.32	Max WS	112.27	163.07	166.13	3.06		166.33	0.004941	2.02	57.17	36.05	0.40
c04_01	1,622.89	Max WS	112.28	163.04	166.12	3.08		166.30	0.004976	1.90	60.19	36.06	0.40
c04_01	1,617.89	Max WS	112.29	162.87	166.12	3.25		166.28	0.004084	1.83	63.08	34.46	0.36
c04_01	1,612.63	Max WS	112.30	162.93	166.13	3.20		166.26	0.003055	1.59	71.43	40.31	0.32
c04_01	1,607.26	Max WS	112.30	163.07	166.13	3.06		166.24	0.003419	1.46	77.48	44.07	0.33
c04_01	1,598.76	Max WS	112.32	162.94	166.11	3.17		166.21	0.00327	1.43	78.88	48.67	0.32
c04_01	1,590.27	Max WS	112.33	162.70	166.10	3.40		166.19	0.002637	1.32	85.36	47.93	0.30
c04_01	1,581.80	Max WS	112.34	162.57	166.08	3.51		166.17	0.002581	1.33	86.00	65.86	0.29
c04_01	1,573.35	Max WS	112.35	162.63	166.09	3.46		166.15	0.001545	1.09	107.51	87.48	0.23
c04_01	1,564.91	Max WS	112.35	162.79	166.09	3.30		166.14	0.001316	1.02	112.03	83.20	0.21
c04_01	1,556.44	Max WS	112.36	162.50	166.08	3.58		166.13	0.001046	0.93	122.72	94.53	0.19
c04_01	1,546.92	Max WS	112.36	162.53	166.07	3.54		166.12	0.001155	1.00	115.64	102.09	0.20
c04_01	1,537.46	Max WS	112.36	162.20	166.07	3.87		166.11	0.000866	0.87	133.40	118.08	0.17
c04_01	1,527.99	Max WS	112.36	162.40	166.07	3.67		166.10	0.000693	0.81	144.97	128.17	0.16
c04_01	1,518.55	Max WS	112.36	162.28	166.07	3.79		166.09	0.000543	0.66	172.67	113.28	0.14
c04_01	1,511.00	Max WS	112.36	162.78	166.07	3.29		166.09	0.000503	0.70	164.76	104.08	0.13

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	1,503.48	Max WS	112.36	162.34	166.07	3.73		166.09	0.00032	0.59	197.00	110.62	0.11
c04_01	1,495.80	Max WS	112.37	162.51	166.07	3.56		166.08	0.000348	0.61	188.43	107.06	0.11
c04_01	1,488.22	Max WS	112.37	162.16	166.06	3.90		166.08	0.000344	0.62	182.95	104.12	0.11
c04_01	1,480.45	Max WS	112.37	162.37	166.06	3.69		166.08	0.000421	0.67	166.19	104.07	0.12
c04_01	1,470.68	Max WS	112.37	162.04	166.05	4.01		166.07	0.000416	0.63	174.11	107.27	0.12
c04_01	1,458.46	Max WS	112.38	162.14	166.04	3.90		166.07	0.000483	0.70	159.28	105.00	0.13
c04_01	1,450.32	Max WS	112.38	162.53	166.02	3.49		166.06	0.000864	0.84	127.17	105.90	0.17
c04_01	1,442.07	Max WS	112.38	162.27	166.00	3.73		166.06	0.001231	0.95	112.32	105.95	0.19
c04_01	1,433.72	Max WS	112.37	162.47	165.99	3.52		166.04	0.001456	1.02	106.91	105.94	0.21
c04_01	1,424.91	Max WS	112.36	162.50	165.97	3.47		166.03	0.001555	1.08	105.45	107.73	0.22
c04_01	1,416.22	Max WS	112.37	162.27	165.96	3.69		166.02	0.001637	1.15	105.00	110.22	0.22
c04_01	1,407.41	Max WS	112.16	162.62	165.91	3.29		166.00	0.003048	1.32	85.55	97.72	0.29
c04_01	1,394.40	Max WS	112.17	162.63	165.85	3.22		165.96	0.004578	1.60	74.67	99.49	0.36
c04_01	1,385.70	Max WS	112.18	162.71	165.72	3.01		165.92	0.010171	2.05	56.79	93.78	0.50
c04_01	1,380.27	Max WS	112.18	163.18	165.64	2.46		165.88	0.011112	2.33	52.76	157.86	0.55
c04_01	1,372.18	Max WS	112.19	161.83	165.68	3.85		165.78	0.003047	1.56	80.63	163.75	0.30
c04_01	1,364.12	Max WS	112.19	161.72	165.65	3.93		165.76	0.003103	1.61	78.46	154.58	0.30
c04_01	1,356.07	Max WS	112.20	161.74	165.60	3.86		165.73	0.003825	1.74	72.55	155.25	0.34
c04_01	1,348.03	Max WS	112.20	161.96	165.55	3.59		165.70	0.004467	1.84	68.62	151.48	0.37
c04_01	1,338.82	Max WS	112.21	161.93	165.39	3.46		165.67	0.00816	2.49	51.77	142.10	0.50
c04_01	1,328.98	Max WS	112.21	162.06	165.36	3.30		165.59	0.006134	2.20	56.13	144.92	0.45
c04_01	1,320.28	Max WS	112.22	161.85	165.31	3.46		165.53	0.005657	2.16	56.24	126.40	0.43
c04_01	1,311.00	Max WS	101.47	162.11	165.20	3.09		165.43	0.007595	2.24	48.83	138.48	0.49
c04_01	1,300.93	Max WS	111.29	162.10	164.99	2.89	164.95	165.43	0.027736	2.97	37.96	38.49	0.86
c04_01	1,291.42	Max WS	110.70	161.73	164.74	3.01	164.75	165.31	0.026566	3.39	33.28	98.71	0.87
c04_01	1,281.13	Max WS	110.68	161.65	164.54	2.89		164.85	0.01335	2.49	44.87	90.58	0.63
c04_01	1,271.34	Max WS	110.66	162.04	164.50	2.46		164.74	0.007782	2.15	51.00	107.17	0.50
c04_01	1,261.90	Max WS	110.64	161.51	164.54	3.03		164.69	0.003799	1.74	66.20	112.42	0.37
c04_01	1,254.70	Max WS	110.63	161.58	164.47	2.89		164.67	0.005281	1.93	59.24	111.34	0.42
c04_01	1,246.19	Max WS	110.62	161.27	164.42	3.15		164.65	0.00497	1.94	56.70	76.50	0.41
c04_01	1,236.36	Max WS	112.64	161.68	164.27	2.59	164.29	164.69	0.013721	2.87	41.68	69.36	0.64
c04_01	1,227.28	Max WS	112.64	161.59	164.11	2.52	164.25	164.65	0.022772	2.99	38.43	65.54	0.81
c04_01	1,219.01	Max WS	112.63	161.49	163.95	2.46	164.01	164.33	0.019877	2.86	42.56	69.72	0.76
c04_01	1,210.21	Max WS	112.63	160.77	163.80	3.03	163.85	164.18	0.019405	2.86	41.86	61.80	0.72
c04_01	1,201.05	Max WS	112.62	161.62	163.67	2.05		163.94	0.012818	2.43	51.10	81.51	0.62
c04_01	1,191.41	Max WS	112.62	161.62	163.60	1.98		163.82	0.010664	2.14	56.27	101.78	0.56
c04_01	1,181.22	Max WS	112.62	161.62	163.56	1.94		163.72	0.007447	1.87	63.91	84.51	0.48
c04_01	1,171.58	Max WS	112.63	161.32	163.47	2.15		163.64	0.009228	1.85	63.04	73.83	0.52
c04_01	1,161.82	Max WS	112.64	161.36	163.47	2.11		163.57	0.004836	1.45	80.49	82.84	0.38
c04_01	1,152.97	Max WS	112.65	161.19	163.44	2.25		163.53	0.00457	1.33	86.41	84.09	0.37
c04_01	1,144.10	Max WS	106.34	161.07	163.36	2.29		163.47	0.006252	1.48	73.06	110.30	0.42
c04_01	1,135.45	Max WS	106.34	160.67	163.33	2.66		163.42	0.005986	1.36	79.28	127.37	0.41
c04_01	1,127.22	Max WS	106.36	160.77	163.28	2.51		163.37	0.005943	1.32	80.22	137.38	0.40
c04_01	1,118.92	Max WS	95.63	160.65	163.26	2.61		163.32	0.003468	1.02	91.25	136.31	0.31
c04_01	1,110.47	Max WS	140.55	160.60	163.06	2.46		163.22	0.01008	1.64	82.05	159.52	0.52
c04_01	1,101.79	Max WS	141.73	160.70	163.03	2.33		163.16	0.005433	1.32	96.59	164.52	0.39
c04_01	1,091.98	Max WS	141.70	160.41	162.99	2.58		163.13	0.003435	1.09	104.65	138.27	0.31
c04_01	1,082.19	Max WS	141.69	160.42	163.02	2.60		163.07	0.001955	0.99	145.59	118.60	0.25
c04_01	1,071.57	Max WS	141.67	160.31	163.00	2.69		163.05	0.001951	1.03	133.71	117.54	0.25
c04_01	1,061.64	Max WS	141.65	160.36	162.97	2.61		163.03	0.002646	1.13	125.71	126.67	0.29
c04_01	1,051.34	Max WS	141.64	160.39	162.95	2.56		163.01	0.002664	1.10	130.21	119.32	0.29
c04_01	1,043.75	Max WS	141.63	160.33	162.93	2.60		162.99	0.002367	1.07	132.46	109.62	0.27
c04_01	1,037.20	Max WS	141.62	160.18	162.91	2.76		162.97	0.002549	1.09	129.98	109.94	0.28

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	1,027.03	Max WS	141.61	160.17	162.89	2.75		162.95	0.002282	1.04	136.21	122.33	0.27
c04_01	1,016.90	Max WS	141.59	160.12	162.88	2.76		162.93	0.001711	0.94	148.92	114.66	0.23
c04_01	1,006.84	Max WS	141.58	160.00	162.86	2.86		162.91	0.002314	0.99	143.05	118.39	0.26
c04_01	997.21	Max WS	141.57	160.08	162.85	2.77		162.89	0.000933	0.91	155.96	111.30	0.24
c04_01	988.27	Max WS	141.56	160.00	162.85	2.85		162.88	0.000776	0.86	165.64	108.47	0.22
c04_01	980.14	Max WS	141.55	160.00	162.84	2.84		162.88	0.000589	0.80	178.71	125.85	0.19
c04_01	971.82	Max WS	141.54	159.79	162.84	3.05		162.87	0.00057	0.78	181.80	159.14	0.19
c04_01	963.01	Max WS	141.52	159.76	162.84	3.08		162.87	0.000472	0.75	189.97	107.46	0.17
c04_01	953.15	Max WS	141.51	159.58	162.83	3.25		162.86	0.000484	0.79	181.72	103.12	0.18
c04_01	941.70	Max WS	141.49	159.65	162.82	3.17		162.86	0.000585	0.82	173.13	105.11	0.19
c04_01	929.62	Max WS	141.48	159.60	162.81	3.21		162.85	0.000636	0.86	164.27	103.73	0.20
c04_01	920.44	Max WS	141.47	159.46	162.81	3.35		162.84	0.00054	0.83	170.00	84.73	0.19
c04_01	913.82	Max WS	141.48	159.54	162.81	3.27		162.84	0.00048	0.81	174.84	87.49	0.18
c04_01	905.48	Max WS	141.48	159.56	162.80	3.24		162.84	0.000427	0.80	177.47	83.48	0.17
c04_01	897.13	Max WS	141.48	159.58	162.80	3.22		162.83	0.000361	0.77	182.58	80.70	0.16
c04_01	888.77	Max WS	141.48	159.70	162.80	3.10		162.83	0.000364	0.77	183.99	83.18	0.16
c04_01	880.37	Max WS	141.47	159.68	162.80	3.12		162.83	0.000309	0.72	195.99	87.73	0.15
c04_01	871.24	Max WS	141.46	159.59	162.80	3.21		162.83	0.000297	0.71	198.06	86.44	0.14
c04_01	865.50	Max WS	141.47	159.55	162.79	3.24		162.82	0.000335	0.77	183.08	80.47	0.15
c04_01	856.37	Max WS	141.47	159.57	162.79	3.22		162.82	0.000359	0.83	171.06	74.22	0.16
c04_01	846.99	Max WS	141.47	159.59	162.77	3.18		162.82	0.000445	0.91	156.19	70.66	0.18
c04_01	837.02	Max WS	141.47	159.49	162.76	3.27		162.81	0.000605	1.02	139.48	71.03	0.20
c04_01	826.40	Max WS	141.47	159.07	162.74	3.67		162.80	0.000674	1.10	129.62	51.26	0.21
c04_01	815.84	Max WS	141.48	159.08	162.71	3.63		162.80	0.000881	1.26	112.00	39.67	0.24
c04_01	806.94	Max WS	141.49	159.16	162.70	3.54		162.79	0.000914	1.30	108.56	47.20	0.25
c04_01	797.61	Max WS	141.50	159.33	162.65	3.32		162.78	0.001527	1.59	88.96	43.73	0.32
c04_01	787.85	Max WS	141.51	159.59	162.54	2.95		162.76	0.003251	2.06	68.83	38.47	0.45
c04_01	778.61	Max WS	134.32	159.40	162.34	2.94		162.68	0.007621	2.58	52.09	31.50	0.64
c04_01	776.09	Max WS	134.33	159.46	162.30	2.84		162.66	0.008097	2.67	50.25	30.09	0.66
c04_01	772.98	Max WS	134.35	159.21	162.32	3.11		162.64	0.004684	2.50	53.82	23.80	0.53
c04_01	767.56	Max WS	136.53	158.62	162.53	3.91		162.59	0.00092	1.23	122.84	92.97	0.24
c04_01	760.62	Max WS	141.59	158.63	162.56	3.93		162.59	0.000288	0.79	193.89	115.49	0.14
c04_01	752.92	Max WS	141.60	158.62	162.56	3.93		162.59	0.000308	0.87	188.55	140.21	0.15
c04_01	743.41	Max WS	137.75	158.55	162.55	4.00	160.43	162.58	0.000362	0.93	188.57	184.74	0.16
c04_01	724.09		Bridge										
c04_01	700.98	Max WS	140.00	157.88	161.14	3.26		161.68	0.008493	3.59	46.06	86.68	0.73
c04_01	692.29	Max WS	140.01	157.75	161.36	3.61		161.48	0.002076	1.59	99.10	121.61	0.37
c04_01	683.58	Max WS	140.02	157.68	161.34	3.66		161.47	0.00198	1.72	95.84	180.57	0.35
c04_01	674.87	Max WS	140.02	157.75	161.34	3.59		161.46	0.001516	1.73	106.67	186.50	0.31
c04_01	665.25	Max WS	140.03	157.95	161.33	3.38		161.44	0.001458	1.65	112.27	174.17	0.32
c04_01	656.31	Max WS	140.03	157.84	161.33	3.49		161.42	0.001441	1.50	115.63	208.53	0.31
c04_01	648.67	Max WS	140.04	157.72	161.32	3.60		161.41	0.001247	1.45	121.24	214.90	0.30
c04_01	640.31	Max WS	140.04	157.83	161.32	3.49		161.40	0.001071	1.37	127.67	204.16	0.28
c04_01	631.81	Max WS	140.04	157.64	161.32	3.68		161.39	0.000945	1.31	130.68	215.58	0.26
c04_01	623.11	Max WS	140.05	157.87	161.31	3.44		161.38	0.000955	1.32	128.24	204.03	0.26
c04_01	614.29	Max WS	140.05	157.62	161.28	3.66		161.38	0.001336	1.56	112.52	211.53	0.31
c04_01	605.48	Max WS	140.05	157.70	161.22	3.52		161.38	0.002422	1.99	90.61	174.28	0.39
c04_01	597.10	Max WS	140.04	157.60	161.15	3.55		161.41	0.003352	1.98	75.75	151.02	0.46
c04_01	588.75	Max WS	140.04	157.58	161.11	3.53		161.38	0.003177	2.11	74.19	272.14	0.45
c04_01	580.65	Max WS	139.18	157.20	161.05	3.85		161.35	0.003246	2.14	67.44	271.05	0.45
c04_01	572.66	Max WS	139.19	157.50	161.01	3.51		161.31	0.003337	2.29	64.96	260.04	0.46
c04_01	564.53	Max WS	139.20	157.48	160.92	3.44		161.25	0.003896	2.43	57.88	252.07	0.51
c04_01	556.40	Max WS	139.98	157.37	160.94	3.57		161.22	0.003258	2.19	62.85	225.51	0.44

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	547.19	Max WS	139.21	157.35	160.84	3.49		161.16	0.004349	2.46	55.97	206.80	0.53
c04_01	537.76	Max WS	139.21	157.39	160.71	3.32		161.11	0.006093	2.70	49.94	195.90	0.61
c04_01	527.90	Max WS	139.22	157.44	160.80	3.36		161.06	0.003098	2.22	61.81	196.94	0.45
c04_01	519.84	Max WS	139.23	157.36	160.76	3.40		161.04	0.003178	2.36	60.08	218.85	0.46
c04_01	512.22	Max WS	139.23	157.34	160.72	3.38		161.02	0.003529	2.44	58.53	250.13	0.48
c04_01	504.90	Max WS	139.24	157.23	160.65	3.42		160.99	0.004318	2.64	55.44	246.19	0.53
c04_01	495.50	Max WS	139.25	157.12	160.43	3.31		160.98	0.008848	3.38	43.49	215.91	0.73
c04_01	486.02	Max WS	139.24	157.12	160.30	3.18	160.28	160.96	0.010421	3.67	39.85	218.33	0.78
c04_01	476.59	Max WS	139.21	157.12	160.19	3.07	160.22	160.90	0.011377	3.82	38.33	193.23	0.81
c04_01	467.23	Max WS	139.98	157.21	160.13	2.92		160.63	0.007126	3.07	44.92	174.16	0.65
c04_01	457.94	Max WS	139.97	157.02	159.95	2.93		160.58	0.009849	3.54	39.87	150.82	0.75
c04_01	448.72	Max WS	139.96	157.14	159.84	2.70	159.92	160.70	0.014784	4.21	34.17	117.11	0.91
c04_01	440.30	Max WS	139.96	156.97	159.71	2.74	159.80	160.55	0.014577	4.13	35.11	98.62	0.90
c04_01	431.64	Max WS	139.95	156.77	159.59	2.82	159.65	160.36	0.012778	3.96	36.79	85.79	0.85
c04_01	422.73	Max WS	143.76	156.50	159.50	3.00		160.14	0.010259	3.60	41.10	80.12	0.78
c04_01	413.60	Max WS	143.76	156.67	159.38	2.71	159.37	160.12	0.012565	3.83	38.47	78.05	0.86
c04_01	404.37	Max WS	143.76	156.55	159.27	2.72	159.39	159.94	0.011935	3.67	41.39	82.89	0.84
c04_01	396.32	Max WS	143.77	156.53	159.18	2.65	159.27	159.73	0.012583	3.52	46.34	89.97	0.86
c04_01	388.11	Max WS	143.76	156.33	159.10	2.77		159.33	0.006047	2.23	69.03	121.25	0.60
c04_01	379.85	Max WS	143.76	155.90	159.08	3.18		159.28	0.005184	2.17	75.06	120.65	0.56
c04_01	371.44	Max WS	143.75	155.81	159.06	3.25		159.24	0.005277	1.97	79.41	107.21	0.55
c04_01	363.16	Max WS	143.74	155.80	158.94	3.14		159.20	0.008015	2.32	65.92	92.32	0.67
c04_01	354.89	Max WS	143.73	155.66	158.94	3.28		159.15	0.003361	2.06	77.91	86.97	0.47
c04_01	346.46	Max WS	143.73	155.45	158.93	3.48		159.12	0.002819	1.97	79.16	83.63	0.44
c04_01	336.84	Max WS	143.73	155.22	158.90	3.68		159.09	0.002783	1.94	75.76	53.22	0.43
c04_01	327.53	Max WS	143.72	155.34	158.93	3.59		159.06	0.003149	1.58	90.88	66.70	0.43
c04_01	319.60	Max WS	143.72	155.41	158.92	3.51		159.04	0.002502	1.53	93.95	60.80	0.39
c04_01	311.65	Max WS	143.72	155.26	158.88	3.62		159.02	0.003017	1.64	87.81	58.57	0.43
c04_01	303.82	Max WS	143.71	155.35	158.85	3.50		158.99	0.003316	1.67	86.19	60.75	0.45
c04_01	293.82	Max WS	143.71	155.21	158.81	3.60		158.96	0.003551	1.68	85.62	63.11	0.46
c04_01	284.10	Max WS	143.70	155.19	158.80	3.61		158.93	0.002788	1.55	92.94	64.10	0.41
c04_01	274.22	Max WS	143.69	155.07	158.71	3.64		158.89	0.004323	1.88	78.33	76.07	0.51
c04_01	267.25	Max WS	143.67	155.00	158.76	3.76		158.87	0.002025	1.65	105.32	135.10	0.36
c04_01	261.66	Max WS	143.65	154.99	158.76	3.77		158.86	0.001282	1.47	106.17	113.29	0.30
c04_01	256.15	Max WS	143.64	154.98	158.73	3.75		158.85	0.001437	1.60	100.56	105.86	0.32
c04_01	248.61	Max WS	143.62	154.83	158.71	3.88		158.87	0.001492	1.63	89.89	98.47	0.32
c04_01	241.42	Max WS	143.61	154.58	158.70	4.12		158.87	0.001334	1.59	92.22	105.68	0.31
c04_01	233.54	Max WS	143.59	154.46	158.69	4.23		158.86	0.00135	1.62	89.92	106.18	0.31
c04_01	226.52	Max WS	143.57	154.53	158.63	4.10		158.85	0.001948	1.93	78.79	112.89	0.37
c04_01	218.38	Max WS	143.55	154.44	158.59	4.15		158.79	0.002214	2.06	75.29	102.60	0.40
c04_01	210.99	Max WS	143.53	154.41	158.59	4.18		158.78	0.002177	1.96	79.65	100.52	0.39
c04_01	204.76	Max WS	143.51	154.29	158.57	4.28		158.76	0.002323	2.02	76.89	103.75	0.40
c04_01	198.58	Max WS	143.49	154.30	158.61	4.31		158.75	0.001656	1.61	89.23	104.86	0.34
c04_01	194.21	Max WS	143.48	154.26	158.63	4.37		158.74	0.001151	1.47	97.89	106.83	0.29
c04_01	187.59	Max WS	143.46	154.16	158.64	4.48	156.56	158.73	0.000796	1.36	105.28	105.51	0.24
c04_01	157.37		Bridge										
c04_01	130.46	Max WS	143.46	153.96	158.07	4.11		158.18	0.004361	1.51	107.39	87.11	0.26
c04_01	121.93	Max WS	143.46	153.76	158.01	4.25		158.13	0.00742	1.79	102.73	97.98	0.32
c04_01	113.68	Max WS	143.46	153.29	157.94	4.65		158.06	0.009543	1.73	105.09	101.87	0.35
c04_01	105.60	Max WS	143.46	153.78	157.88	4.10		157.97	0.010557	1.36	108.17	101.80	0.35
c04_01	97.68	Max WS	143.46	153.35	157.81	4.46		157.89	0.009786	1.32	111.60	89.33	0.33
c04_01	89.86	Max WS	143.46	153.52	157.73	4.21		157.82	0.009961	1.29	114.51	85.26	0.33
c04_01	80.61	Max WS	143.46	153.42	157.66	4.24		157.73	0.008261	1.19	123.44	88.22	0.31

Hydraulic Calculation Results - Cross Sections - MaxWS - T=100													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	71.33	Max WS	143.46	153.13	157.58	4.45		157.65	0.009196	1.17	125.00	100.50	0.32
c04_01	62.11	Max WS	143.46	153.49	157.50	4.01		157.57	0.008603	1.14	128.08	100.93	0.31
c04_01	52.93	Max WS	143.45	152.96	157.44	4.48		157.50	0.006983	1.05	139.28	105.56	0.28
c04_01	43.78	Max WS	143.45	152.96	157.37	4.41		157.43	0.008058	1.09	134.35	108.62	0.30
c04_01	34.63	Max WS	143.45	153.09	157.28	4.19		157.35	0.010647	1.16	124.85	111.58	0.34
c04_01	25.53	Max WS	143.43	153.02	157.19	4.17	156.49	157.25	0.010115	1.13	128.07	110.53	0.33

Hydraulic Calculation Results - Bridges - MaxWS - T=100										
Reach	River Sta	Profile	E.G. US.	Min El Prs	BR Open Area	Prs O WS	Q Total	Min El Weir Flow	Q Weir	Delta EG
			(m)	(m)	(m2)	(m)	(m3/s)	(m)	(m3/s)	(m)
c04_01	3375.382	Max WS	179.89	178.9	21.15		98.68	179.3	30.53	0.35
c04_01	2543.696	Max WS	173.29	173	71.73		104.59	175		0.18
c04_01	724.0876	Max WS	162.58	161.1	21.41		137.75	161.9	48.66	0.83
c04_01	157.3668	Max WS	158.73	158.8	64.54		143.46	160		0.55

Hydraulic Calculation Results - Culverts - MaxWS - T=100												
Reach	River Sta	Profile	E.G. US.	W.S. US.	E.G. IC	E.G. OC	Min El Weir Flow	Q Culv Group	Q Weir	Delta WS	Culv Vel US	Culv Vel DS
			(m)	(m)	(m)	(m)	(m)	(m ³ /s)	(m ³ /s)	(m)	(m/s)	(m/s)
c04_01	5885.715 Culvert #1	Max WS	198.8	198.77	198.8	198.47	198	17.76	59.09	1.66	3.35	5.6
c04_01	5756.415 Culvert #1	Max WS	197.15	197.11	197.18	197.22	196.4	-4.35	72.64	197.11	-1.23	-1.23
c04_01	5447.773 Culvert #1	Max WS	194.2	194	193.16	194.24	193	-2.92	74.1	194	-1.65	-1.65
c04_01	5447.773 Culvert #2	Max WS	194.2	194	192.68	194.24	193	-0.91	74.1	194	-1.42	-1.42
c04_01	2387.045 Culvert #1	Max WS	172.6	172.67	172.26	172.59	171.15	11.01	81.98	1.12	3.46	3.46
c04_01	2387.045 Culvert #2	Max WS	172.6	172.67	171.22	172.6	171.15	11.05	81.98	1.12	3.47	3.47

Β.3.3. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ $T=500$ ΕΤΗ

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	5,926.44	Max WS	106.89	196.69	199.02	2.33		199.05	0.000216	0.80	133.05	118.77	0.18
c04_01	5,921.05	Max WS	106.89	196.63	199.02	2.39		199.05	0.000194	0.78	137.32	117.58	0.18
c04_01	5,915.66	Max WS	106.89	196.45	199.02	2.57		199.05	0.000171	0.75	142.55	116.47	0.17
c04_01	5,908.94	Max WS	106.88	196.43	199.02	2.59		199.05	0.000142	0.72	147.84	115.25	0.15
c04_01	5,901.84	Max WS	106.88	196.36	199.01	2.65		199.05	0.000276	0.92	116.30	114.97	0.21
c04_01	5,885.72		Culvert										
c04_01	5,875.79	Max WS	106.88	195.56	197.25	1.69	197.30	197.63	0.007399	3.51	43.72	92.71	0.96
c04_01	5,868.52	Max WS	106.93	195.78	197.29	1.51		197.44	0.002916	2.12	64.42	95.35	0.61
c04_01	5,861.05	Max WS	106.97	195.55	197.32	1.77		197.43	0.001688	1.83	77.43	93.62	0.48
c04_01	5,853.30	Max WS	107.02	195.26	197.31	2.05		197.41	0.001584	1.83	78.51	84.57	0.47
c04_01	5,845.36	Max WS	107.07	195.09	197.29	2.20		197.40	0.001586	1.77	76.82	74.26	0.46
c04_01	5,836.44	Max WS	107.12	195.03	197.32	2.29		197.39	0.000773	1.36	96.32	74.55	0.33
c04_01	5,827.79	Max WS	107.17	195.05	197.32	2.27		197.38	0.000672	1.29	100.21	74.33	0.31
c04_01	5,819.49	Max WS	107.22	195.03	197.31	2.28		197.37	0.000614	1.30	100.06	74.85	0.30
c04_01	5,811.51	Max WS	107.27	194.99	197.31	2.32		197.37	0.000543	1.24	101.20	74.94	0.29
c04_01	5,803.89	Max WS	107.32	194.89	197.29	2.40		197.37	0.00063	1.40	91.57	56.46	0.31
c04_01	5,796.83	Max WS	107.36	194.96	197.29	2.33		197.36	0.000661	1.47	95.57	74.23	0.33
c04_01	5,789.45	Max WS	107.41	194.90	197.28	2.38		197.36	0.000831	1.59	91.99	81.79	0.35
c04_01	5,781.72	Max WS	107.47	194.78	197.30	2.52		197.35	0.000537	1.30	108.09	80.20	0.28
c04_01	5,775.16	Max WS	107.51	194.68	197.30	2.62		197.35	0.000497	1.28	114.41	83.85	0.27
c04_01	5,768.39	Max WS	107.55	194.52	197.29	2.77		197.34	0.000588	1.43	108.54	83.51	0.29
c04_01	5,756.42		Culvert										
c04_01	5,747.18	Max WS	107.55	194.04	195.87	1.83	196.30	199.29	0.012116	8.28	15.10	57.59	2.06
c04_01	5,737.70	Max WS	107.61	194.17	195.78	1.61	196.08	196.75	0.00725	5.62	33.87	61.61	1.63
c04_01	5,728.46	Max WS	107.67	194.22	195.72	1.50	195.92	196.40	0.00686	4.95	38.41	60.28	1.54
c04_01	5,719.47	Max WS	107.73	194.05	195.67	1.62	195.87	196.35	0.006433	5.20	40.52	61.70	1.48
c04_01	5,710.64	Max WS	107.78	193.94	195.61	1.67	195.80	196.28	0.005345	5.14	42.27	61.40	1.42
c04_01	5,702.95	Max WS	107.84	193.91	195.56	1.65	195.75	196.23	0.006498	5.38	41.57	62.67	1.57
c04_01	5,694.22	Max WS	107.90	193.83	195.49	1.66	195.56	195.91	0.00957	3.72	40.77	61.52	1.07
c04_01	5,685.11	Max WS	107.95	193.73	195.40	1.67	195.48	195.85	0.011703	3.72	38.34	58.68	1.14
c04_01	5,675.25	Max WS	108.01	193.62	195.30	1.68	195.36	195.71	0.011582	3.76	39.53	61.19	1.15
c04_01	5,665.77	Max WS	108.06	193.65	195.19	1.54	195.25	195.60	0.012744	3.58	38.74	60.79	1.15
c04_01	5,656.98	Max WS	108.12	193.60	195.10	1.50	195.11	195.43	0.008933	3.38	43.93	66.16	1.04
c04_01	5,648.71	Max WS	108.17	193.60	195.03	1.43	195.05	195.40	0.010329	3.26	40.68	62.28	1.02
c04_01	5,639.15	Max WS	108.22	193.61	194.96	1.35	194.99	195.35	0.008379	3.23	39.73	63.45	0.98
c04_01	5,628.99	Max WS	108.27	193.83	194.88	1.06	194.89	195.26	0.008673	2.83	39.99	57.03	0.99
c04_01	5,619.86	Max WS	108.32	193.59	194.82	1.23		195.12	0.006888	2.51	44.69	71.98	0.86
c04_01	5,610.93	Max WS	108.37	193.48	194.83	1.35		195.03	0.004452	2.52	55.80	81.72	0.76
c04_01	5,600.67	Max WS	108.41	193.53	194.83	1.30		194.99	0.003711	2.04	61.36	80.28	0.65
c04_01	5,591.00	Max WS	108.45	193.51	194.80	1.29		194.96	0.003821	1.99	61.22	76.62	0.64
c04_01	5,582.50	Max WS	108.50	193.30	194.77	1.47		194.93	0.003809	2.22	61.81	79.89	0.68
c04_01	5,575.57	Max WS	108.53	193.11	194.71	1.60		194.90	0.005207	2.27	55.68	76.11	0.73
c04_01	5,566.52	Max WS	108.57	193.24	194.67	1.43		194.86	0.0049	2.07	56.92	76.97	0.72
c04_01	5,557.31	Max WS	108.62	193.19	194.63	1.44		194.82	0.004669	2.39	56.89	74.95	0.73
c04_01	5,547.93	Max WS	108.66	193.24	194.52	1.28		194.79	0.007811	2.65	47.27	68.20	0.88
c04_01	5,538.49	Max WS	108.60	192.89	194.45	1.56		194.72	0.007679	2.83	47.77	69.91	0.89
c04_01	5,528.91	Max WS	108.66	192.64	194.43	1.79		194.65	0.005074	2.66	54.41	71.71	0.75
c04_01	5,520.62	Max WS	108.71	192.53	194.43	1.90		194.61	0.004141	2.39	58.37	71.75	0.63
c04_01	5,512.52	Max WS	108.76	192.51	194.39	1.88		194.58	0.004518	2.37	56.41	70.03	0.64
c04_01	5,504.95	Max WS	108.81	192.59	194.39	1.80		194.55	0.003374	2.01	61.44	68.46	0.54
c04_01	5,497.33	Max WS	108.86	192.67	194.36	1.69		194.53	0.002868	2.69	62.55	67.95	0.76
c04_01	5,488.44	Max WS	108.91	192.60	194.33	1.73		194.51	0.00291	2.90	61.78	67.93	0.82
c04_01	5,479.81	Max WS	108.96	192.60	194.30	1.70		194.49	0.0029	2.75	61.13	67.14	0.83
c04_01	5,469.24	Max WS	109.02	192.56	194.25	1.69		194.48	0.002836	3.14	59.79	66.70	0.88

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	5,458.73	Max WS	109.07	191.91	194.20	2.29		194.48	0.002254	3.31	60.28	66.97	0.73
c04_01	5,451.85	Max WS	109.13	191.92	194.22	2.30		194.44	0.001913	3.03	64.11	66.35	0.69
c04_01	5,447.77		Culvert										
c04_01	5,443.92	Max WS	107.27	191.79	193.81	2.02	193.96	194.38	0.005016	4.63	43.90	60.40	1.19
c04_01	5,435.08	Max WS	109.17	191.86	193.82	1.96		194.08	0.001867	3.08	60.73	64.92	0.80
c04_01	5,424.50	Max WS	109.22	191.97	193.88	1.91		194.03	0.001066	2.46	74.18	66.81	0.61
c04_01	5,416.45	Max WS	109.25	191.66	193.89	2.23		194.02	0.000788	2.26	82.54	69.57	0.53
c04_01	5,408.38	Max WS	109.28	191.60	193.90	2.30		194.01	0.000775	2.12	86.17	76.85	0.51
c04_01	5,399.15	Max WS	109.32	191.58	193.90	2.32		193.99	0.001227	0.93	81.95	76.12	0.22
c04_01	5,389.36	Max WS	109.36	191.47	193.90	2.43		193.98	0.000972	0.83	87.83	59.03	0.19
c04_01	5,380.91	Max WS	109.40	191.46	193.89	2.43		193.98	0.000928	0.78	88.83	59.72	0.18
c04_01	5,373.52	Max WS	109.44	191.22	193.89	2.67		193.97	0.000863	0.84	91.69	59.43	0.19
c04_01	5,365.17	Max WS	109.48	191.10	193.89	2.79		193.96	0.000767	0.73	94.87	58.61	0.16
c04_01	5,356.57	Max WS	109.52	191.11	193.88	2.77		193.96	0.000777	0.75	95.19	59.36	0.17
c04_01	5,348.29	Max WS	109.56	191.09	193.88	2.79		193.95	0.000727	0.77	98.28	61.28	0.17
c04_01	5,340.02	Max WS	109.61	191.21	193.86	2.65		193.94	0.00087	0.79	88.68	58.35	0.18
c04_01	5,331.83	Max WS	109.65	190.94	193.80	2.86		193.94	0.001819	1.18	70.25	56.83	0.27
c04_01	5,323.68	Max WS	109.70	190.99	193.60	2.61		193.91	0.007988	2.25	44.67	54.90	0.55
c04_01	5,315.51	Max WS	109.75	191.18	193.44	2.26		193.86	0.011967	2.47	39.43	55.50	0.66
c04_01	5,307.49	Max WS	109.79	191.14	193.29	2.15		193.78	0.015502	2.80	36.08	52.17	0.76
c04_01	5,300.31	Max WS	109.83	191.20	193.13	1.93	193.24	193.83	0.028669	3.76	29.77	45.70	1.03
c04_01	5,293.19	Max WS	109.87	191.02	192.98	1.96	193.03	193.70	0.014581	3.75	29.34	30.07	1.04
c04_01	5,286.01	Max WS	109.92	190.99	192.85	1.86	193.19	193.83	0.022984	4.52	25.21	23.31	1.26
c04_01	5,278.46	Max WS	109.96	190.87	192.71	1.84	192.78	193.41	0.014283	3.78	29.87	24.66	1.04
c04_01	5,271.53	Max WS	109.50	190.78	192.60	1.82	192.72	193.37	0.018296	3.89	28.14	24.56	1.15
c04_01	5,263.76	Max WS	109.53	190.82	192.47	1.65	192.54	193.14	0.016957	3.65	30.03	26.47	1.09
c04_01	5,253.07	Max WS	109.57	190.82	192.32	1.50		192.75	0.011641	2.94	37.32	35.00	0.91
c04_01	5,243.01	Max WS	108.43	190.63	192.36	1.73		192.58	0.005763	2.11	51.49	46.19	0.64
c04_01	5,233.33	Max WS	108.48	190.56	192.32	1.76		192.53	0.004827	2.02	53.71	45.37	0.59
c04_01	5,223.77	Max WS	108.53	190.37	192.28	1.91		192.49	0.004875	1.99	54.48	47.33	0.59
c04_01	5,214.34	Max WS	108.57	190.72	192.27	1.55		192.44	0.003976	1.87	58.13	48.04	0.54
c04_01	5,205.12	Max WS	108.61	190.51	192.25	1.74		192.41	0.003629	1.79	60.71	48.84	0.51
c04_01	5,196.33	Max WS	108.64	190.31	192.24	1.93		192.38	0.002852	1.66	65.60	50.47	0.46
c04_01	5,186.60	Max WS	108.68	190.06	192.24	2.18		192.36	0.002145	1.52	71.39	50.26	0.41
c04_01	5,176.78	Max WS	108.72	189.92	192.21	2.29		192.34	0.002259	1.57	69.32	48.38	0.42
c04_01	5,166.94	Max WS	108.76	189.94	192.20	2.26		192.31	0.002021	1.50	72.50	49.80	0.40
c04_01	5,157.10	Max WS	108.79	189.85	192.20	2.35		192.30	0.001733	1.40	77.53	52.38	0.37
c04_01	5,147.27	Max WS	108.83	189.78	192.19	2.41		192.28	0.001472	1.33	82.13	53.62	0.34
c04_01	5,138.24	Max WS	108.86	189.62	192.18	2.56		192.27	0.001284	1.29	84.53	51.44	0.32
c04_01	5,129.27	Max WS	108.89	189.47	192.17	2.70		192.26	0.001207	1.28	84.91	49.93	0.31
c04_01	5,120.34	Max WS	108.93	189.36	192.16	2.80		192.25	0.001137	1.27	85.46	48.07	0.31
c04_01	5,111.46	Max WS	108.96	189.35	192.15	2.80		192.24	0.001127	1.31	82.95	44.11	0.31
c04_01	5,102.60	Max WS	108.99	189.12	192.14	3.02		192.23	0.001207	1.33	82.07	44.91	0.31
c04_01	5,093.77	Max WS	109.02	189.19	192.13	2.94		192.22	0.001092	1.32	82.73	42.92	0.30
c04_01	5,085.71	Max WS	109.06	189.14	192.12	2.98		192.21	0.001031	1.28	85.01	44.43	0.29
c04_01	5,077.60	Max WS	109.08	189.08	192.13	3.05		192.20	0.000866	1.20	91.49	67.81	0.27
c04_01	5,069.46	Max WS	109.11	188.87	192.14	3.27		192.19	0.000646	1.09	103.05	77.75	0.24
c04_01	5,061.28	Max WS	109.13	188.86	192.13	3.27		192.19	0.000632	1.05	104.91	73.02	0.24
c04_01	5,053.97	Max WS	109.15	188.86	192.13	3.27		192.19	0.000486	1.00	109.85	68.59	0.21
c04_01	5,049.49	Max WS	109.17	188.80	192.13	3.33		192.18	0.000374	1.00	107.58	61.42	0.19
c04_01	5,043.82	Max WS	109.18	188.75	192.13	3.38		192.18	0.000361	0.99	106.87	57.82	0.19
c04_01	5,037.98	Max WS	109.20	188.72	192.13	3.41		192.18	0.000397	1.01	107.18	56.02	0.20
c04_01	5,029.41	Max WS	109.23	188.67	192.10	3.43		192.18	0.00059	1.26	89.67	49.23	0.24
c04_01	5,020.32	Max WS	109.26	188.87	192.02	3.15		192.17	0.001368	1.75	65.61	46.26	0.35

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	5,013.49	Max WS	109.28	189.07	191.93	2.86		192.16	0.002559	2.19	52.01	40.06	0.47
c04_01	5,006.71	Max WS	109.30	189.11	191.62	2.51		192.22	0.007937	3.45	32.19	26.61	0.79
c04_01	4,994.78	Max WS	109.33	188.90	191.66	2.76		192.11	0.004756	3.00	36.96	23.61	0.62
c04_01	4,989.56	Max WS	109.35	188.93	191.65	2.72		192.09	0.004347	2.93	37.88	23.27	0.59
c04_01	4,983.08	Max WS	109.36	188.35	191.77	3.42		192.06	0.002892	2.41	46.09	39.44	0.48
c04_01	4,975.56	Max WS	109.40	188.50	191.93	3.43		192.03	0.000859	1.42	76.42	38.83	0.28
c04_01	4,963.08	Max WS	109.45	188.43	191.95	3.52		192.02	0.000646	1.20	90.96	41.04	0.24
c04_01	4,955.36	Max WS	109.47	188.64	191.96	3.32		192.02	0.000495	1.07	102.14	42.54	0.21
c04_01	4,948.13	Max WS	109.49	188.30	191.96	3.66		192.01	0.000478	1.04	105.64	41.64	0.21
c04_01	4,941.11	Max WS	109.51	188.06	191.95	3.89		192.01	0.000508	1.06	103.42	40.57	0.21
c04_01	4,933.63	Max WS	109.53	188.14	191.95	3.81		192.01	0.000559	1.09	100.58	40.94	0.22
c04_01	4,926.26	Max WS	109.56	188.16	191.94	3.78		192.00	0.000614	1.12	98.09	41.67	0.23
c04_01	4,918.95	Max WS	109.59	188.43	191.94	3.51		192.00	0.000568	1.06	103.22	43.99	0.22
c04_01	4,909.18	Max WS	109.62	188.18	191.93	3.75		191.99	0.000623	1.10	99.33	43.67	0.23
c04_01	4,899.33	Max WS	109.66	187.98	191.91	3.93		191.98	0.001577	1.13	96.75	48.01	0.23
c04_01	4,889.66	Max WS	109.69	188.06	191.90	3.84		191.97	0.001431	1.12	97.72	48.99	0.22
c04_01	4,879.72	Max WS	109.74	188.42	191.90	3.48		191.95	0.001125	1.02	107.91	42.24	0.20
c04_01	4,869.88	Max WS	109.78	188.43	191.90	3.47		191.94	0.000904	0.95	115.36	43.46	0.18
c04_01	4,860.10	Max WS	109.83	188.37	191.89	3.52		191.93	0.000794	0.91	120.51	48.95	0.17
c04_01	4,850.39	Max WS	109.87	188.39	191.88	3.49		191.93	0.000804	0.94	117.33	53.40	0.17
c04_01	4,840.54	Max WS	109.91	188.26	191.86	3.60		191.92	0.001093	1.05	105.02	36.43	0.20
c04_01	4,830.48	Max WS	109.94	187.78	191.86	4.08		191.91	0.000933	0.95	116.31	39.56	0.18
c04_01	4,820.86	Max WS	109.98	187.80	191.85	4.05		191.90	0.000868	0.99	111.77	37.30	0.18
c04_01	4,811.07	Max WS	110.01	187.59	191.85	4.26		191.89	0.000657	0.91	120.98	46.45	0.16
c04_01	4,802.89	Max WS	110.04	187.22	191.83	4.61		191.88	0.000841	1.00	110.60	38.07	0.17
c04_01	4,793.60	Max WS	110.08	187.82	191.78	3.96		191.87	0.001878	1.41	81.06	42.39	0.25
c04_01	4,783.13	Max WS	110.12	187.68	191.72	4.04		191.85	0.002839	1.64	71.43	48.28	0.31
c04_01	4,772.41	Max WS	110.15	187.45	191.65	4.20		191.82	0.003464	1.80	61.62	50.73	0.33
c04_01	4,763.49	Max WS	110.18	187.65	191.69	4.04		191.79	0.001985	1.41	77.92	54.72	0.25
c04_01	4,754.33	Max WS	110.21	187.87	191.69	3.82		191.77	0.001806	1.31	84.23	57.00	0.25
c04_01	4,745.19	Max WS	110.24	187.67	191.72	4.05		191.76	0.000722	0.93	118.08	59.93	0.17
c04_01	4,736.10	Max WS	110.27	187.61	191.71	4.10		191.75	0.000655	0.90	122.21	54.90	0.16
c04_01	4,727.06	Max WS	110.30	187.53	191.72	4.19		191.75	0.000501	0.82	134.60	57.55	0.14
c04_01	4,718.42	Max WS	110.33	187.29	191.71	4.42		191.75	0.000558	0.86	128.46	51.21	0.15
c04_01	4,709.95	Max WS	110.37	187.45	191.69	4.24		191.74	0.000923	1.01	108.90	36.91	0.19
c04_01	4,701.67	Max WS	110.40	187.40	191.63	4.23		191.73	0.002058	1.39	79.26	27.93	0.26
c04_01	4,693.61	Max WS	110.44	187.40	191.58	4.18		191.71	0.002615	1.60	68.98	23.20	0.30
c04_01	4,685.96	Max WS	110.47	187.40	191.53	4.13		191.69	0.003242	1.77	62.26	21.23	0.33
c04_01	4,678.64	Max WS	110.51	187.10	191.41	4.31		191.66	0.005502	2.18	50.70	18.28	0.42
c04_01	4,671.32	Max WS	110.54	187.53	191.36	3.83		191.61	0.006117	2.21	49.99	19.70	0.44
c04_01	4,664.06	Max WS	110.57	187.40	191.44	4.04		191.58	0.002889	1.66	66.54	34.19	0.31
c04_01	4,657.12	Max WS	110.60	187.47	191.32	3.85		191.55	0.005842	2.11	52.40	34.35	0.44
c04_01	4,650.14	Max WS	110.62	187.48	191.28	3.80		191.51	0.006204	2.11	52.33	44.65	0.45
c04_01	4,643.13	Max WS	110.65	187.73	191.27	3.54		191.47	0.004468	1.95	56.46	51.02	0.39
c04_01	4,635.87	Max WS	110.66	188.40	191.19	2.79		191.43	0.006741	2.14	51.40	58.12	0.47
c04_01	4,628.76	Max WS	92.72	188.06	191.06	3.00		191.32	0.004557	1.73	46.75	62.31	0.38
c04_01	4,620.43	Max WS	110.70	188.10	190.88	2.78	190.84	191.67	0.032961	3.93	28.18	62.15	0.97
c04_01	4,613.28	Max WS	110.71	188.19	190.58	2.39	190.78	191.62	0.052141	4.52	24.51	63.45	1.21
c04_01	4,605.74	Max WS	110.03	187.93	190.21	2.28	190.44	191.32	0.047474	4.67	23.67	68.67	1.18
c04_01	4,597.18	Max WS	110.05	186.68	189.97	3.29		190.27	0.009162	2.44	45.27	68.21	0.54
c04_01	4,589.91	Max WS	110.07	186.41	190.13	3.72		190.21	0.001922	1.32	83.57	77.96	0.26
c04_01	4,583.87	Max WS	110.09	186.29	190.11	3.82		190.20	0.001869	1.32	83.34	79.11	0.26
c04_01	4,578.24	Max WS	110.10	186.72	190.07	3.35		190.19	0.003014	1.55	70.93	78.12	0.32
c04_01	4,572.18	Max WS	110.12	186.59	190.03	3.44		190.17	0.003191	1.63	67.47	77.21	0.33

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	4,565.35	Max WS	110.13	186.36	189.99	3.63		190.15	0.003513	1.75	63.01	77.86	0.34
c04_01	4,558.59	Max WS	110.14	186.75	189.89	3.14		190.12	0.0058	2.13	51.66	84.18	0.44
c04_01	4,550.73	Max WS	110.14	186.52	189.82	3.30		190.07	0.006375	2.19	50.19	80.69	0.45
c04_01	4,542.73	Max WS	110.14	186.69	189.74	3.05		190.01	0.007271	2.33	47.26	75.77	0.49
c04_01	4,534.84	Max WS	110.14	186.69	189.65	2.96		189.95	0.008023	2.43	45.27	74.88	0.51
c04_01	4,526.43	Max WS	108.59	186.46	189.34	2.88		189.85	0.016329	3.19	34.21	68.51	0.71
c04_01	4,517.97	Max WS	110.33	186.62	189.08	2.46	189.00	189.85	0.028838	3.88	28.45	36.81	0.93
c04_01	4,510.04	Max WS	105.85	186.27	189.01	2.74		189.41	0.012558	2.80	37.85	32.36	0.63
c04_01	4,502.64	Max WS	105.86	185.99	188.97	2.98		189.35	0.008992	2.43	41.01	62.63	0.53
c04_01	4,498.24	Max WS	105.87	186.68	189.01	2.70		189.30	0.008424	2.23	45.86	73.08	0.53
c04_01	4,491.18	Max WS	108.59	186.07	189.17	3.10		189.24	0.001348	1.14	95.41	76.58	0.22
c04_01	4,482.07	Max WS	108.57	186.03	189.19	3.16		189.23	0.000724	0.83	129.46	82.65	0.16
c04_01	4,475.31	Max WS	108.55	185.96	189.20	3.24		189.22	0.000501	0.71	152.06	82.90	0.14
c04_01	4,469.56	Max WS	108.53	185.89	189.19	3.30		189.22	0.000565	0.73	149.08	80.96	0.14
c04_01	4,463.85	Max WS	108.51	185.90	189.19	3.29		189.22	0.000528	0.72	151.44	81.75	0.14
c04_01	4,456.64	Max WS	108.50	185.78	189.19	3.41		189.21	0.000527	0.71	153.32	80.32	0.14
c04_01	4,448.08	Max WS	108.47	185.76	189.19	3.43		189.21	0.000398	0.63	171.31	92.26	0.12
c04_01	4,439.69	Max WS	108.44	185.71	189.19	3.48		189.21	0.000376	0.61	177.71	96.21	0.12
c04_01	4,431.81	Max WS	108.41	185.61	189.19	3.58		189.20	0.000321	0.57	190.48	96.39	0.11
c04_01	4,424.28	Max WS	108.39	185.26	189.19	3.93		189.20	0.000257	0.52	208.50	94.67	0.10
c04_01	4,416.83	Max WS	108.36	185.41	189.19	3.78		189.20	0.000271	0.52	208.12	95.37	0.10
c04_01	4,406.80	Max WS	108.33	185.53	189.18	3.65		189.20	0.000264	0.52	204.55	85.84	0.10
c04_01	4,396.87	Max WS	108.31	185.40	189.18	3.78		189.19	0.00026	0.52	210.37	78.30	0.10
c04_01	4,389.43	Max WS	108.29	185.35	189.18	3.83		189.19	0.000228	0.48	225.62	81.91	0.09
c04_01	4,381.48	Max WS	108.27	185.22	189.18	3.96		189.19	0.000212	0.47	228.87	80.32	0.09
c04_01	4,372.98	Max WS	108.25	185.18	189.18	4.00		189.19	0.000171	0.44	246.64	81.47	0.08
c04_01	4,364.24	Max WS	108.22	184.96	189.18	4.22		189.19	0.000161	0.43	251.28	83.42	0.08
c04_01	4,355.38	Max WS	108.20	185.15	189.18	4.03		189.19	0.000164	0.43	249.98	82.26	0.08
c04_01	4,347.14	Max WS	108.18	185.15	189.18	4.02		189.19	0.000188	0.45	240.55	85.64	0.08
c04_01	4,338.91	Max WS	108.15	185.19	189.17	3.98		189.18	0.000248	0.50	218.49	90.94	0.10
c04_01	4,330.67	Max WS	108.12	185.20	189.17	3.97		189.18	0.000221	0.50	210.94	97.81	0.09
c04_01	4,322.20	Max WS	108.09	185.16	189.16	4.00		189.18	0.000306	0.55	191.00	101.05	0.11
c04_01	4,313.86	Max WS	108.05	184.82	189.15	4.33		189.18	0.000365	0.62	161.82	98.89	0.12
c04_01	4,304.19	Max WS	108.02	185.36	189.13	3.77		189.17	0.000651	0.76	128.28	96.99	0.15
c04_01	4,294.51	Max WS	107.99	185.31	189.12	3.81		189.17	0.000818	0.88	111.72	88.29	0.17
c04_01	4,284.76	Max WS	107.96	185.18	189.09	3.91		189.16	0.001175	1.08	95.13	76.23	0.20
c04_01	4,275.24	Max WS	107.93	185.19	189.04	3.85		189.14	0.001925	1.35	78.61	67.77	0.25
c04_01	4,265.81	Max WS	107.90	185.15	188.98	3.83		189.12	0.003178	1.63	66.05	68.25	0.32
c04_01	4,256.49	Max WS	106.99	184.84	188.67	3.83		189.06	0.011521	2.78	38.78	33.71	0.58
c04_01	4,247.21	Max WS	107.85	184.81	188.78	3.97		188.99	0.004624	2.01	53.70	65.37	0.38
c04_01	4,237.94	Max WS	107.82	184.92	188.79	3.87		188.95	0.003728	1.76	61.09	81.25	0.35
c04_01	4,228.99	Max WS	107.78	184.82	188.83	4.01		188.92	0.001711	1.31	82.55	84.01	0.24
c04_01	4,220.07	Max WS	107.76	184.81	188.84	4.03		188.91	0.001296	1.18	91.50	70.70	0.22
c04_01	4,211.18	Max WS	107.75	184.98	188.78	3.80		188.89	0.002303	1.45	74.11	36.81	0.28
c04_01	4,202.58	Max WS	107.75	184.89	188.73	3.84		188.87	0.003813	1.64	65.19	39.36	0.35
c04_01	4,194.35	Max WS	107.74	185.31	188.72	3.41		188.84	0.002081	1.39	72.14	43.26	0.27
c04_01	4,186.20	Max WS	107.74	185.42	188.68	3.26		188.84	0.002094	1.29	69.29	45.77	0.27
c04_01	4,177.89	Max WS	107.73	184.73	188.72	3.99		188.82	0.001091	1.07	88.49	52.16	0.20
c04_01	4,169.51	Max WS	107.72	184.71	188.71	4.00		188.81	0.000868	0.97	94.13	59.44	0.18
c04_01	4,161.23	Max WS	107.68	184.82	188.72	3.90		188.80	0.000352	0.57	96.03	79.35	0.11
c04_01	4,153.02	Max WS	107.64	185.22	188.68	4.13		188.81	0.000601	0.66	87.28	66.97	0.13
c04_01	4,143.44	Max WS	107.61	185.20	188.53	3.33		188.81	0.005368	1.89	50.93	70.42	0.42
c04_01	4,134.15	Max WS	107.58	184.63	188.22	3.59		188.73	0.015251	3.20	34.37	71.67	0.68
c04_01	4,125.15	Max WS	107.56	184.45	188.19	3.74		188.60	0.011555	2.82	38.17	50.21	0.60

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	4,117.02	Max WS	107.56	183.96	187.88	3.92		188.49	0.01812	3.45	31.18	37.78	0.72
c04_01	4,108.92	Max WS	107.58	184.12	187.90	3.78		188.35	0.013693	2.99	35.98	36.01	0.65
c04_01	4,100.84	Max WS	107.59	185.23	187.69	2.46	187.74	188.57	0.036862	4.15	25.95	26.86	1.03
c04_01	4,094.20	Max WS	107.61	184.98	187.52	2.54		187.97	0.016108	2.97	36.18	25.05	0.71
c04_01	4,087.44	Max WS	107.63	184.76	187.59	2.83		187.88	0.01006	2.36	45.59	28.58	0.56
c04_01	4,077.50	Max WS	107.65	184.67	187.18	2.51		187.83	0.027724	3.59	29.96	18.68	0.91
c04_01	4,070.70	Max WS	107.67	184.45	186.96	2.51	186.98	187.71	0.035355	3.82	28.15	19.33	1.01
c04_01	4,063.42	Max WS	107.69	184.74	186.67	1.93	186.80	187.51	0.044404	4.05	26.60	20.31	1.13
c04_01	4,057.78	Max WS	107.71	184.31	186.47	2.16		187.05	0.026808	3.35	32.17	24.34	0.90
c04_01	4,051.95	Max WS	107.72	184.31	186.57	2.26		186.83	0.009918	2.24	48.13	33.37	0.56
c04_01	4,045.36	Max WS	107.75	183.83	186.66	2.83		186.78	0.003697	1.55	69.52	41.49	0.35
c04_01	4,038.89	Max WS	107.77	184.17	186.62	2.45		186.75	0.004209	1.60	67.47	57.35	0.37
c04_01	4,028.93	Max WS	107.79	183.84	186.60	2.76		186.71	0.003657	1.51	71.45	53.09	0.35
c04_01	4,021.46	Max WS	107.80	183.77	186.59	2.82		186.69	0.002823	1.42	75.86	50.07	0.31
c04_01	4,013.76	Max WS	107.82	183.59	186.58	2.99		186.67	0.002107	1.32	81.66	44.93	0.27
c04_01	4,007.01	Max WS	107.83	183.60	186.56	2.96		186.66	0.002125	1.35	80.09	40.23	0.28
c04_01	4,000.18	Max WS	107.85	183.63	186.51	2.88		186.64	0.003419	1.60	67.56	34.87	0.34
c04_01	3,990.79	Max WS	107.88	183.69	186.14	2.45		186.58	0.023316	2.92	36.96	28.43	0.82
c04_01	3,981.56	Max WS	107.91	183.67	185.86	2.19	185.86	186.49	0.034516	3.50	30.83	24.42	0.99
c04_01	3,972.58	Max WS	107.93	183.29	185.30	2.01	185.71	186.53	0.092418	4.93	21.88	21.41	1.56
c04_01	3,962.33	Max WS	106.32	182.59	184.65	2.06	184.63	185.24	0.034196	3.42	31.07	25.35	0.99
c04_01	3,952.35	Max WS	107.99	181.94	184.44	2.50		184.76	0.012334	2.49	43.33	26.04	0.62
c04_01	3,942.63	Max WS	108.02	181.21	184.56	3.35		184.67	0.00252	1.43	75.28	29.25	0.29
c04_01	3,933.15	Max WS	108.04	181.15	184.52	3.37		184.64	0.002978	1.52	70.92	28.80	0.31
c04_01	3,924.40	Max WS	108.06	181.15	184.48	3.33		184.61	0.003464	1.64	65.91	27.65	0.34
c04_01	3,915.64	Max WS	108.08	180.89	184.41	3.52		184.58	0.004079	1.81	59.67	24.10	0.37
c04_01	3,906.86	Max WS	108.11	180.83	184.37	3.54		184.54	0.00412	1.84	58.91	23.44	0.37
c04_01	3,898.07	Max WS	108.13	180.71	184.35	3.64		184.51	0.004163	1.75	61.63	26.47	0.37
c04_01	3,889.29	Max WS	108.15	180.63	184.27	3.64		184.47	0.005355	1.98	54.53	23.93	0.42
c04_01	3,879.53	Max WS	108.17	180.51	184.22	3.71		184.42	0.004976	1.97	54.98	22.96	0.41
c04_01	3,869.72	Max WS	108.20	180.91	184.13	3.22		184.36	0.006833	2.09	51.67	25.26	0.47
c04_01	3,859.84	Max WS	108.22	180.97	184.10	3.13		184.29	0.006159	1.96	55.11	27.89	0.45
c04_01	3,849.87	Max WS	108.24	180.32	184.15	3.83		184.25	0.002339	1.42	76.28	29.97	0.28
c04_01	3,839.78	Max WS	108.26	180.55	184.11	3.56		184.22	0.002927	1.47	73.82	32.76	0.31
c04_01	3,829.82	Max WS	108.28	180.47	183.99	3.52		184.18	0.005328	1.92	56.32	26.11	0.42
c04_01	3,820.09	Max WS	108.31	180.76	183.85	3.09		184.12	0.007761	2.29	47.38	22.16	0.50
c04_01	3,810.45	Max WS	108.33	180.73	183.53	2.80		184.01	0.016393	3.07	35.32	18.27	0.70
c04_01	3,800.81	Max WS	108.35	179.96	183.61	3.65		183.89	0.008032	2.35	46.04	20.53	0.50
c04_01	3,791.16	Max WS	108.37	179.93	183.64	3.71		183.83	0.004302	1.89	57.31	22.53	0.38
c04_01	3,781.63	Max WS	108.39	179.46	183.68	4.22		183.79	0.002254	1.50	72.28	24.39	0.28
c04_01	3,772.12	Max WS	108.41	179.37	183.66	4.29		183.77	0.002334	1.51	71.91	24.74	0.28
c04_01	3,762.60	Max WS	108.43	179.23	183.65	4.42		183.75	0.001878	1.39	77.80	26.20	0.26
c04_01	3,753.10	Max WS	108.45	179.08	183.64	4.56		183.74	0.001755	1.36	79.83	26.48	0.25
c04_01	3,743.64	Max WS	108.46	179.14	183.65	4.51		183.72	0.00116	1.15	94.53	29.50	0.20
c04_01	3,734.39	Max WS	108.48	179.35	183.62	4.27		183.71	0.001705	1.31	83.02	28.67	0.25
c04_01	3,725.12	Max WS	108.50	179.00	183.61	4.61		183.69	0.001576	1.30	83.21	26.98	0.24
c04_01	3,715.85	Max WS	108.52	178.89	183.60	4.71		183.68	0.001426	1.28	85.08	26.31	0.23
c04_01	3,706.58	Max WS	108.53	178.93	183.58	4.65		183.67	0.001375	1.27	85.46	25.65	0.22
c04_01	3,701.04	Max WS	108.55	179.18	183.55	4.37		183.66	0.001884	1.42	76.47	24.20	0.25
c04_01	3,695.52	Max WS	108.56	179.18	183.54	4.36		183.65	0.001938	1.45	74.68	23.28	0.26
c04_01	3,685.90	Max WS	108.58	179.35	183.47	4.12		183.62	0.00314	1.75	61.88	20.93	0.33
c04_01	3,680.71	Max WS	108.59	179.63	183.29	3.66		183.60	0.00791	2.48	43.82	17.51	0.50
c04_01	3,675.50	Max WS	108.60	179.59	182.97	3.38		183.55	0.017784	3.37	32.21	14.78	0.73
c04_01	3,668.38	Max WS	108.62	179.48	183.04	3.56		183.44	0.010858	2.81	38.71	15.64	0.57

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	3,661.24	Max WS	108.64	179.54	182.74	3.20		183.34	0.019144	3.46	31.42	14.49	0.75
c04_01	3,651.77	Max WS	108.66	179.44	182.38	2.94	182.30	183.29	0.032524	4.22	25.75	12.93	0.95
c04_01	3,642.41	Max WS	108.69	179.14	182.16	3.02		182.93	0.026251	3.88	28.05	13.62	0.86
c04_01	3,633.09	Max WS	108.71	179.15	181.94	2.80		182.68	0.024365	3.81	28.56	13.78	0.84
c04_01	3,623.81	Max WS	108.74	178.94	181.63	2.69	181.57	182.51	0.031912	4.15	26.18	13.68	0.96
c04_01	3,614.43	Max WS	108.76	178.87	181.44	2.57		182.13	0.024967	3.68	29.58	15.62	0.85
c04_01	3,604.98	Max WS	108.79	178.67	181.15	2.48	181.12	181.93	0.032778	3.92	27.74	17.05	0.98
c04_01	3,595.57	Max WS	108.81	178.42	180.98	2.56		181.42	0.016099	2.94	37.07	20.97	0.70
c04_01	3,587.69	Max WS	108.83	178.24	181.02	2.78		181.31	0.009308	2.40	45.31	22.99	0.55
c04_01	3,579.66	Max WS	108.85	178.23	180.86	2.63		181.23	0.01238	2.69	40.48	21.32	0.62
c04_01	3,571.46	Max WS	108.87	178.19	180.79	2.60		181.13	0.011602	2.58	42.25	22.73	0.60
c04_01	3,564.48	Max WS	108.88	178.05	180.80	2.75		181.06	0.008314	2.28	47.84	24.14	0.52
c04_01	3,557.23	Max WS	108.90	178.14	180.71	2.57		180.99	0.010009	2.37	45.97	25.12	0.56
c04_01	3,550.06	Max WS	108.91	178.14	180.50	2.36		180.90	0.018341	2.80	38.83	26.11	0.73
c04_01	3,540.74	Max WS	108.93	177.99	180.55	2.56		180.76	0.007704	2.04	53.33	30.30	0.49
c04_01	3,531.38	Max WS	108.95	177.91	180.46	2.55		180.69	0.007784	2.16	50.98	31.33	0.50
c04_01	3,521.78	Max WS	108.97	178.07	180.41	2.34		180.62	0.007431	2.00	54.57	36.25	0.49
c04_01	3,512.17	Max WS	108.98	177.69	180.37	2.68		180.56	0.005381	1.76	58.23	38.72	0.41
c04_01	3,503.73	Max WS	108.99	177.49	180.37	2.88		180.52	0.004204	1.60	64.96	42.89	0.37
c04_01	3,495.47	Max WS	108.99	177.73	180.32	2.59		180.48	0.004553	1.56	62.96	44.31	0.38
c04_01	3,486.78	Max WS	109.00	177.63	180.32	2.69		180.45	0.003353	1.41	70.31	47.64	0.33
c04_01	3,478.03	Max WS	109.00	177.44	180.31	2.87		180.42	0.002569	1.32	74.56	47.51	0.29
c04_01	3,470.57	Max WS	109.00	177.20	180.28	3.08		180.40	0.002478	1.31	73.46	44.43	0.29
c04_01	3,462.72	Max WS	109.00	176.72	180.27	3.55		180.39	0.002079	1.18	75.42	46.40	0.26
c04_01	3,454.82	Max WS	109.01	176.62	180.25	3.62		180.37	0.002006	1.14	74.98	50.07	0.25
c04_01	3,446.87	Max WS	109.01	176.55	180.24	3.69		180.35	0.002341	1.34	76.96	49.44	0.28
c04_01	3,440.68	Max WS	108.22	176.60	180.22	3.62		180.33	0.00264	1.40	74.07	49.97	0.29
c04_01	3,434.57	Max WS	108.23	176.40	180.21	3.81		180.31	0.003044	1.47	76.91	54.91	0.32
c04_01	3,429.66	Max WS	108.25	176.30	180.20	3.90		180.30	0.003007	1.46	77.37	56.02	0.32
c04_01	3,424.47	Max WS	108.26	176.02	180.19	4.17		180.28	0.002947	1.41	79.76	58.64	0.31
c04_01	3,421.33	Max WS	108.27	175.93	180.19	4.26		180.28	0.002253	1.30	82.41	71.72	0.27
c04_01	3,419.34	Max WS	108.28	175.66	180.22	4.56		180.27	0.001307	1.05	108.33	104.69	0.21
c04_01	3,416.54	Max WS	108.28	175.65	180.23	4.58		180.27	0.000845	0.89	137.96	193.49	0.17
c04_01	3,413.20	Max WS	140.82	175.51	180.19	4.68		180.24	0.000899	1.13	144.96	194.88	0.19
c04_01	3,409.84	Max WS	140.86	175.48	180.21	4.73		180.24	0.000461	0.82	204.39	226.89	0.13
c04_01	3,404.91	Max WS	140.86	175.86	180.22	4.36	178.69	180.24	0.000244	0.58	276.11	253.09	0.09
c04_01	3,375.38		Bridge										
c04_01	3,355.31	Max WS	134.24	176.00	179.19	3.19		179.89	0.007601	2.46	42.12	215.80	0.47
c04_01	3,345.16	Max WS	144.89	175.80	179.07	3.27	179.04	180.06	0.009175	2.42	39.80	245.18	0.50
c04_01	3,334.55	Max WS	144.75	175.79	178.97	3.18	179.11	180.09	0.014858	2.88	35.67	164.33	0.66
c04_01	3,323.92	Max WS	144.88	175.60	178.88	3.28		179.35	0.00676	2.46	52.14	157.32	0.49
c04_01	3,314.93	Max WS	144.98	175.43	178.84	3.41		179.33	0.004639	2.07	56.49	128.97	0.40
c04_01	3,307.30	Max WS	145.08	175.36	178.75	3.39		179.31	0.004931	2.02	55.08	117.89	0.41
c04_01	3,298.19	Max WS	145.21	175.24	178.72	3.48		179.26	0.004583	1.96	56.27	117.30	0.39
c04_01	3,289.09	Max WS	145.35	175.10	178.70	3.60		179.21	0.004521	2.03	56.64	117.52	0.39
c04_01	3,279.97	Max WS	145.49	175.01	178.49	3.48		179.06	0.017177	3.38	43.46	110.15	0.72
c04_01	3,270.87	Max WS	141.56	174.92	178.32	3.40		178.88	0.015425	3.32	42.63	95.22	0.69
c04_01	3,263.30	Max WS	141.67	175.01	178.05	3.04		178.77	0.023962	3.77	37.57	73.56	0.84
c04_01	3,255.64	Max WS	141.75	174.88	177.87	2.99		178.61	0.022336	3.83	37.19	48.98	0.82
c04_01	3,247.88	Max WS	146.21	174.80	177.79	2.99		178.25	0.013953	3.03	48.37	39.71	0.67
c04_01	3,240.01	Max WS	146.28	174.63	177.97	3.34		178.16	0.002406	1.52	79.99	119.02	0.29
c04_01	3,232.90	Max WS	146.32	174.65	178.01	3.36		178.14	0.001393	1.09	100.04	155.15	0.21
c04_01	3,224.06	Max WS	146.26	174.58	178.03	3.45		178.13	0.000914	0.87	114.79	290.42	0.17
c04_01	3,212.24	Max WS	146.11	174.34	178.02	3.68		178.12	0.000969	0.94	117.72	307.37	0.18

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	3,205.22	Max WS	146.02	174.29	177.99	3.70		178.11	0.001195	1.05	103.77	195.14	0.20
c04_01	3,196.38	Max WS	145.98	174.48	177.96	3.48		178.10	0.001625	1.17	93.64	175.04	0.23
c04_01	3,186.75	Max WS	145.93	174.31	177.90	3.59		178.09	0.002345	1.37	82.18	192.78	0.27
c04_01	3,179.86	Max WS	145.89	174.26	177.86	3.60		178.07	0.002814	1.56	76.12	186.82	0.30
c04_01	3,173.26	Max WS	145.91	174.12	177.79	3.67		178.05	0.003873	1.88	68.14	150.78	0.36
c04_01	3,164.31	Max WS	145.96	174.19	177.56	3.37		178.00	0.0112	2.79	50.71	145.89	0.60
c04_01	3,155.57	Max WS	146.04	174.08	177.24	3.16		177.92	0.020933	3.66	40.31	135.69	0.81
c04_01	3,149.00	Max WS	146.12	173.95	177.07	3.12	177.05	178.04	0.032143	4.37	33.48	17.14	0.99
c04_01	3,141.41	Max WS	142.81	173.85	176.81	2.96	176.86	177.91	0.035935	4.65	30.75	14.99	1.04
c04_01	3,134.32	Max WS	142.83	173.64	176.50	2.86	176.83	177.99	0.052936	5.42	26.37	54.75	1.24
c04_01	3,126.62	Max WS	142.84	173.51	176.22	2.71	176.11	177.06	0.020859	3.64	36.28	110.83	0.79
c04_01	3,119.89	Max WS	142.75	173.42	176.14	2.72	176.15	177.07	0.007186	2.06	43.23	99.60	0.47
c04_01	3,112.55	Max WS	138.97	173.39	176.18	2.79		176.61	0.003168	1.47	57.56	119.47	0.31
c04_01	3,105.66	Max WS	139.01	173.38	176.30	2.92		176.55	0.001591	1.06	73.15	123.96	0.22
c04_01	3,098.94	Max WS	139.08	173.37	176.38	3.01		176.52	0.000364	2.02	91.98	113.80	0.41
c04_01	3,090.84	Max WS	139.19	173.31	176.40	3.09		176.52	0.000316	1.88	98.45	117.27	0.39
c04_01	3,081.63	Max WS	147.07	173.25	176.42	3.17		176.53	0.000249	1.77	113.88	124.93	0.34
c04_01	3,074.08	Max WS	147.05	173.20	176.44	3.24		176.52	0.000201	1.59	124.26	129.90	0.31
c04_01	3,067.28	Max WS	147.02	173.13	176.45	3.32		176.52	0.000168	1.45	135.83	139.18	0.29
c04_01	3,060.11	Max WS	146.98	173.14	176.46	3.32		176.51	0.000145	1.33	145.80	143.73	0.26
c04_01	3,051.73	Max WS	146.94	173.06	176.46	3.40		176.51	0.000115	1.21	159.95	149.06	0.23
c04_01	3,042.28	Max WS	146.90	173.02	176.47	3.45		176.51	0.000106	1.15	167.49	154.46	0.22
c04_01	3,034.24	Max WS	146.86	173.00	176.47	3.47		176.51	0.000097	1.06	176.39	156.82	0.21
c04_01	3,028.65	Max WS	146.82	172.95	176.47	3.52		176.51	0.000088	1.02	183.65	159.50	0.20
c04_01	3,021.29	Max WS	146.76	172.90	176.48	3.58		176.51	0.000078	1.01	192.62	163.98	0.19
c04_01	3,012.96	Max WS	146.71	172.84	176.48	3.64		176.51	0.000065	0.94	205.79	170.16	0.18
c04_01	3,006.64	Max WS	146.65	172.86	176.48	3.62		176.51	0.000063	0.90	210.93	173.90	0.17
c04_01	2,997.72	Max WS	146.58	172.86	176.48	3.62		176.51	0.000056	0.88	219.20	177.29	0.17
c04_01	2,989.11	Max WS	146.51	172.76	176.48	3.72		176.51	0.000059	0.90	212.91	174.61	0.17
c04_01	2,937.75	Max WS	146.29	172.51	176.44	3.93		176.51	0.00014	1.43	135.04	134.72	0.26
c04_01	2,929.92	Max WS	146.27	172.50	176.40	3.90		176.51	0.00025	1.80	109.26	120.86	0.32
c04_01	2,926.73	Max WS	146.27	172.46	176.40	3.94		176.51	0.000308	1.76	104.96	136.13	0.32
c04_01	2,919.09	Max WS	146.21	172.44	176.36	3.92		176.51	0.000385	2.00	91.90	174.54	0.37
c04_01	2,908.35	Max WS	141.95	172.39	176.34	3.95		176.50	0.000344	2.02	85.91	213.20	0.38
c04_01	2,899.97	Max WS	142.07	172.37	176.29	3.92		176.51	0.000431	2.34	77.14	217.27	0.43
c04_01	2,891.55	Max WS	142.18	172.34	176.26	3.92		176.51	0.000477	2.44	73.15	222.10	0.45
c04_01	2,883.05	Max WS	142.30	172.31	176.23	3.92		176.51	0.000531	2.54	68.37	225.05	0.46
c04_01	2,874.52	Max WS	142.43	172.27	176.20	3.93		176.50	0.000432	2.51	64.88	232.21	0.44
c04_01	2,865.99	Max WS	142.55	172.28	175.97	3.69		176.54	0.000996	3.48	47.55	208.56	0.64
c04_01	2,857.43	Max WS	145.11	172.14	176.00	3.86		176.54	0.000905	3.32	47.12	209.92	0.63
c04_01	2,847.81	Max WS	145.11	172.15	176.00	3.85		176.50	0.007518	3.07	47.15	179.57	0.54
c04_01	2,838.13	Max WS	145.13	172.21	175.94	3.73		176.42	0.007023	3.06	47.65	167.22	0.54
c04_01	2,828.40	Max WS	145.17	172.06	175.69	3.63		176.37	0.012613	3.74	40.48	140.50	0.70
c04_01	2,818.64	Max WS	145.24	172.03	175.53	3.50		176.28	0.012151	3.89	39.14	130.46	0.72
c04_01	2,808.83	Max WS	145.34	172.01	175.40	3.39	175.08	176.28	0.015247	4.20	36.00	111.28	0.81
c04_01	2,799.07	Max WS	145.46	171.98	175.26	3.28		176.04	0.014767	4.01	37.79	109.92	0.79
c04_01	2,789.47	Max WS	145.58	172.00	175.05	3.06	175.26	176.13	0.027666	4.63	31.95	111.03	1.10
c04_01	2,779.98	Max WS	145.70	172.16	174.83	2.67	174.79	175.42	0.021387	3.42	42.66	102.65	0.96
c04_01	2,771.11	Max WS	145.82	172.37	174.73	2.36		175.13	0.014768	2.82	51.71	98.47	0.81
c04_01	2,762.01	Max WS	145.96	171.78	174.86	3.08		175.01	0.003536	1.71	85.35	101.77	0.42
c04_01	2,752.94	Max WS	146.09	171.52	174.85	3.33		174.98	0.002971	1.57	93.22	101.53	0.38
c04_01	2,743.80	Max WS	146.22	171.71	174.84	3.13		174.95	0.002636	1.47	100.09	127.29	0.36
c04_01	2,735.08	Max WS	146.36	172.10	174.81	2.71		174.92	0.003044	1.49	98.45	65.38	0.38
c04_01	2,725.78	Max WS	146.51	172.07	174.80	2.91		174.90	0.002584	1.39	105.21	67.87	0.35

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	2,717.12	Max WS	146.61	172.07	174.79	3.03		174.88	0.00217	1.32	110.69	68.72	0.33
c04_01	2,708.45	Max WS	146.71	172.07	174.77	2.91		174.86	0.002219	1.32	111.06	70.66	0.33
c04_01	2,699.80	Max WS	146.85	172.08	174.73	2.65		174.83	0.00332	1.46	100.31	74.15	0.39
c04_01	2,690.81	Max WS	147.00	171.34	174.70	3.36		174.80	0.003394	1.43	102.45	78.83	0.39
c04_01	2,681.91	Max WS	147.13	171.35	174.67	3.32		174.78	0.003642	1.46	100.20	89.28	0.41
c04_01	2,673.09	Max WS	147.27	171.71	174.64	2.93		174.74	0.003399	1.41	104.39	91.87	0.39
c04_01	2,664.37	Max WS	147.40	171.91	174.61	2.70		174.71	0.003722	1.44	102.11	96.62	0.41
c04_01	2,656.25	Max WS	147.51	171.36	174.56	3.20		174.68	0.004317	1.50	98.05	109.10	0.44
c04_01	2,649.18	Max WS	147.63	171.39	174.51	3.12		174.65	0.005194	1.62	91.31	104.58	0.48
c04_01	2,643.79	Max WS	147.73	171.54	174.45	2.91		174.62	0.007525	1.82	81.09	118.46	0.56
c04_01	2,638.21	Max WS	147.79	171.66	174.27	2.61		174.57	0.018375	2.42	61.01	112.00	0.85
c04_01	2,632.68	Max WS	147.86	172.27	174.19	1.92	174.22	174.61	0.014183	2.56	51.56	120.09	0.76
c04_01	2,624.02	Max WS	144.82	172.12	174.06	1.94	174.17	174.60	0.021523	3.25	44.88	118.15	0.96
c04_01	2,616.72	Max WS	144.88	171.21	173.91	2.70	174.11	174.64	0.024533	3.96	41.07	118.04	1.01
c04_01	2,609.08	Max WS	144.93	171.77	173.74	1.97	174.12	175.06	0.022907	3.25	38.13	107.76	0.98
c04_01	2,602.47	Max WS	144.95	171.43	173.65	2.22	173.76	174.34	0.008372	2.25	51.43	97.81	0.62
c04_01	2,594.68	Max WS	148.59	170.89	173.65	2.76		173.97	0.002423	1.53	73.39	97.62	0.35
c04_01	2,588.70	Max WS	148.67	170.83	173.64	2.81		173.89	0.004215	1.88	73.89	87.22	0.45
c04_01	2,583.40	Max WS	148.75	170.68	173.69	3.01		173.86	0.002596	1.59	88.10	100.71	0.36
c04_01	2,578.90	Max WS	148.81	170.69	173.70	3.01		173.84	0.002178	1.52	94.13	103.57	0.34
c04_01	2,571.06	Max WS	148.72	170.64	173.74	3.10	172.50	173.83	0.001383	1.24	117.64	123.28	0.27
c04_01	2,543.70		Bridge										
c04_01	2,508.05	Max WS	147.67	170.28	173.32	3.04		173.46	0.000565	0.87	123.37	195.23	0.18
c04_01	2,498.50	Max WS	147.67	170.28	173.27	2.99		173.46	0.001123	1.15	97.40	205.78	0.25
c04_01	2,487.54	Max WS	147.66	170.28	173.19	2.91		173.45	0.000995	0.96	76.23	202.55	0.22
c04_01	2,476.63	Max WS	147.65	170.12	173.14	3.02		173.45	0.001189	1.04	70.04	206.35	0.23
c04_01	2,466.40	Max WS	147.64	170.09	173.07	2.98		173.46	0.001685	1.23	64.66	198.97	0.28
c04_01	2,457.30	Max WS	129.32	169.85	172.97	3.12		173.38	0.002401	1.45	55.32	174.53	0.33
c04_01	2,448.27	Max WS	148.29	169.88	172.85	2.97	173.06	173.84	0.007669	2.31	42.36	158.73	0.57
c04_01	2,439.81	Max WS	148.15	169.85	172.77	2.92	173.32	174.03	0.01207	2.98	36.56	144.74	0.73
c04_01	2,430.95	Max WS	148.00	169.99	172.68	2.69	172.81	173.67	0.00862	2.57	41.54	140.71	0.63
c04_01	2,421.94	Max WS	147.88	170.03	172.61	2.58	172.67	173.51	0.008547	2.51	43.94	137.15	0.63
c04_01	2,412.43	Max WS	127.91	169.71	172.73	3.02		173.16	0.004334	1.91	54.12	167.24	0.45
c04_01	2,403.07	Max WS	127.49	169.59	172.78	3.19		173.10	0.003524	1.91	57.77	192.42	0.41
c04_01	2,393.93	Max WS	126.92	169.93	172.88	2.95		173.04	0.001264	1.32	80.12	252.33	0.26
c04_01	2,387.05		Culvert										
c04_01	2,380.39	Max WS	147.77	169.61	171.69	2.08	171.76	172.26	0.0145	2.96	44.68	164.86	0.79
c04_01	2,370.43	Max WS	147.78	169.92	171.55	1.63	171.71	172.24	0.019562	2.68	41.50	159.00	0.88
c04_01	2,361.80	Max WS	147.80	169.95	171.33	1.38	171.68	172.49	0.040412	3.20	32.02	122.47	1.20
c04_01	2,354.18	Max WS	147.81	169.38	171.14	1.76	171.25	171.69	0.018421	2.86	45.59	116.09	0.87
c04_01	2,344.79	Max WS	147.82	169.35	170.97	1.62	171.03	171.42	0.014083	2.28	50.48	108.87	0.73
c04_01	2,335.92	Max WS	147.84	169.35	170.85	1.50	170.90	171.27	0.014349	2.00	52.57	100.04	0.72
c04_01	2,327.23	Max WS	147.86	169.14	170.75	1.61		171.05	0.009019	1.53	61.80	96.10	0.55
c04_01	2,318.65	Max WS	147.47	169.14	170.73	1.60		170.95	0.005952	1.32	72.51	108.30	0.46
c04_01	2,310.40	Max WS	147.48	169.11	170.72	1.61		170.91	0.005263	1.36	77.48	116.06	0.45
c04_01	2,302.43	Max WS	147.48	169.39	170.67	1.28		170.87	0.005866	1.32	76.36	117.82	0.46
c04_01	2,294.97	Max WS	147.50	169.53	170.66	1.25		170.83	0.004611	1.09	81.49	124.49	0.41
c04_01	2,288.04	Max WS	147.51	169.10	170.66	1.56		170.80	0.003484	1.14	92.12	126.86	0.37
c04_01	2,279.55	Max WS	147.53	168.89	170.67	1.78		170.77	0.002417	1.03	105.80	136.47	0.32
c04_01	2,270.55	Max WS	144.05	169.50	170.65	1.32		170.75	0.002411	0.91	104.82	153.22	0.31
c04_01	2,263.47	Max WS	160.07	169.02	170.62	1.60		170.73	0.002325	1.13	115.02	195.51	0.32
c04_01	2,258.12	Max WS	160.06	168.62	170.63	2.01		170.71	0.001584	1.16	128.56	156.20	0.28
c04_01	2,248.71	Max WS	160.06	168.86	170.60	1.74		170.70	0.002139	1.14	117.03	159.90	0.31
c04_01	2,238.32	Max WS	160.05	168.66	170.57	1.91		170.68	0.002327	1.53	112.34	149.33	0.41

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	2,227.51	Max WS	160.05	168.28	170.55	2.27		170.66	0.002423	1.57	108.65	134.80	0.42
c04_01	2,217.09	Max WS	160.05	168.02	170.50	2.48		170.63	0.003011	1.78	99.38	127.54	0.46
c04_01	2,208.51	Max WS	160.05	167.95	170.48	2.53		170.61	0.002638	1.85	101.63	123.73	0.45
c04_01	2,200.07	Max WS	160.05	167.98	170.44	2.46		170.59	0.003064	1.90	96.64	116.99	0.49
c04_01	2,189.36	Max WS	160.05	168.03	170.36	2.33		170.56	0.004004	2.17	85.80	109.46	0.56
c04_01	2,179.98	Max WS	160.04	167.89	170.26	2.37		170.52	0.005417	2.54	74.95	100.35	0.65
c04_01	2,173.22	Max WS	160.04	167.64	170.17	2.53		170.50	0.006866	2.76	68.04	96.20	0.73
c04_01	2,164.57	Max WS	160.05	167.39	170.10	2.71	170.17	170.52	0.008614	3.16	61.37	94.21	0.78
c04_01	2,153.23	Max WS	160.06	167.33	170.01	2.68	170.13	170.50	0.010902	3.40	55.21	91.75	0.87
c04_01	2,145.98	Max WS	160.07	167.14	169.94	2.80	170.02	170.41	0.009522	3.44	56.83	95.01	0.82
c04_01	2,138.37	Max WS	160.09	167.06	169.87	2.81	169.72	170.38	0.008947	3.43	54.65	83.23	0.73
c04_01	2,128.86	Max WS	160.10	167.04	169.80	2.76	169.84	170.31	0.007985	3.28	54.71	77.33	0.71
c04_01	2,118.87	Max WS	160.12	167.27	169.72	2.45	169.76	170.24	0.009015	3.31	52.54	82.20	0.83
c04_01	2,112.51	Max WS	160.13	167.01	169.66	2.65	169.70	170.22	0.008997	3.43	50.23	82.95	0.84
c04_01	2,106.30	Max WS	160.14	166.79	169.59	2.80	169.72	170.27	0.011959	3.84	45.50	83.12	0.92
c04_01	2,101.03	Max WS	160.15	166.59	169.53	2.94	169.61	170.15	0.00989	3.77	47.77	80.74	0.86
c04_01	2,095.71	Max WS	160.16	166.67	169.48	2.81	169.54	170.11	0.008697	3.82	48.04	75.90	0.82
c04_01	2,090.20	Max WS	160.17	166.51	169.43	2.92	169.56	170.16	0.010086	4.02	44.77	79.68	0.89
c04_01	2,084.05	Max WS	160.18	166.87	169.35	2.48	169.64	170.34	0.016349	4.64	38.34	84.22	1.11
c04_01	2,074.06	Max WS	160.20	166.67	169.17	2.50	169.45	170.22	0.020188	4.55	35.73	49.79	1.21
c04_01	2,065.37	Max WS	160.22	166.70	168.99	2.29	169.38	170.23	0.022407	5.17	33.38	37.45	1.30
c04_01	2,059.56	Max WS	160.24	166.68	168.87	2.19	169.14	169.87	0.018081	4.79	36.99	35.49	1.15
c04_01	2,053.62	Max WS	160.26	166.56	168.77	2.21	168.96	169.62	0.01489	4.40	40.08	34.74	1.04
c04_01	2,048.45	Max WS	160.27	166.63	168.70	2.07	168.79	169.41	0.012655	3.94	43.10	36.40	0.94
c04_01	2,043.06	Max WS	160.29	166.62	168.63	2.01	168.75	169.35	0.014953	3.92	42.57	39.77	1.01
c04_01	2,036.83	Max WS	160.30	166.59	168.53	1.94	168.71	169.30	0.016094	4.20	41.63	42.12	1.06
c04_01	2,030.76	Max WS	160.32	166.64	168.46	1.82	168.51	169.05	0.012133	3.47	46.92	45.60	0.90
c04_01	2,025.00	Max WS	160.33	166.49	168.39	1.90	168.37	168.89	0.009798	3.29	51.15	48.19	0.81
c04_01	2,018.73	Max WS	159.93	166.35	168.35	2.00		168.78	0.008601	3.04	55.23	53.27	0.77
c04_01	2,013.23	Max WS	159.95	166.32	168.37	2.05		168.68	0.005655	2.52	64.92	57.17	0.66
c04_01	2,008.12	Max WS	159.96	166.28	168.37	2.09		168.65	0.005036	2.43	68.99	60.81	0.63
c04_01	2,002.58	Max WS	159.98	166.25	168.42	2.17		168.62	0.003186	2.04	81.00	63.53	0.50
c04_01	1,996.82	Max WS	159.99	166.20	168.43	2.23		168.60	0.002463	1.87	88.40	64.87	0.45
c04_01	1,987.40	Max WS	160.01	166.11	168.43	2.32		168.58	0.002135	1.71	94.70	67.95	0.41
c04_01	1,977.86	Max WS	160.04	165.99	168.43	2.44		168.56	0.001673	1.64	101.12	68.04	0.37
c04_01	1,969.54	Max WS	160.06	165.91	168.42	2.51		168.55	0.001665	1.70	100.06	68.81	0.38
c04_01	1,961.07	Max WS	160.08	165.90	168.40	2.50		168.53	0.001514	1.73	101.52	66.50	0.36
c04_01	1,953.79	Max WS	160.10	165.84	168.38	2.54		168.52	0.001775	1.82	96.51	65.10	0.38
c04_01	1,946.48	Max WS	160.11	165.80	168.37	2.57		168.51	0.001777	1.78	96.85	64.66	0.38
c04_01	1,936.72	Max WS	160.13	165.61	168.35	2.74		168.50	0.001729	1.80	97.22	67.50	0.39
c04_01	1,927.88	Max WS	160.15	165.43	168.36	2.93		168.48	0.001469	1.64	106.19	77.08	0.36
c04_01	1,921.19	Max WS	160.17	165.38	168.34	2.96		168.47	0.001602	1.69	102.99	72.63	0.37
c04_01	1,914.51	Max WS	160.18	165.21	168.32	3.11		168.46	0.001576	1.74	101.77	75.51	0.37
c04_01	1,907.77	Max WS	160.20	165.29	168.30	3.01		168.45	0.001595	1.75	97.65	73.43	0.38
c04_01	1,900.73	Max WS	160.22	165.16	168.31	3.15		168.44	0.001261	1.61	105.00	67.09	0.34
c04_01	1,894.56	Max WS	160.24	165.21	168.32	3.11		168.43	0.002596	1.50	110.66	68.56	0.30
c04_01	1,888.41	Max WS	160.25	165.13	168.29	3.16		168.41	0.002695	1.54	107.27	61.92	0.31
c04_01	1,882.68	Max WS	160.27	165.03	168.24	3.21		168.39	0.003711	1.74	94.87	57.67	0.36
c04_01	1,877.41	Max WS	160.29	164.89	168.21	3.32		168.37	0.004052	1.79	91.53	56.47	0.38
c04_01	1,869.56	Max WS	160.31	165.02	168.18	3.16		168.34	0.003972	1.77	92.64	59.45	0.37
c04_01	1,862.56	Max WS	160.33	164.64	168.17	3.53		168.31	0.003235	1.68	96.45	48.33	0.34
c04_01	1,856.20	Max WS	160.35	164.78	168.15	3.37		168.29	0.003661	1.69	95.09	51.58	0.36
c04_01	1,849.65	Max WS	160.36	164.65	168.14	3.49		168.27	0.002771	1.56	102.17	63.53	0.31
c04_01	1,842.76	Max WS	160.38	164.68	168.10	3.42		168.26	0.002814	1.54	95.52	65.19	0.31

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	1,836.10	Max WS	160.39	164.64	168.08	3.44		168.23	0.003624	1.67	94.83	66.03	0.35
c04_01	1,829.45	Max WS	160.41	164.50	168.00	3.50		168.24	0.002794	1.49	87.15	65.50	0.31
c04_01	1,820.95	Max WS	160.43	164.42	167.89	3.47		168.22	0.004359	1.83	71.66	62.80	0.38
c04_01	1,813.26	Max WS	160.45	164.43	167.61	3.18		168.19	0.013774	2.99	49.36	56.73	0.65
c04_01	1,805.49	Max WS	160.47	164.24	167.40	3.16	167.29	168.18	0.02144	3.63	41.94	51.57	0.80
c04_01	1,795.61	Max WS	160.50	164.16	167.24	3.08		167.94	0.017054	3.55	43.68	46.73	0.74
c04_01	1,786.48	Max WS	160.52	164.08	167.16	3.08		167.78	0.015288	3.39	46.23	43.59	0.71
c04_01	1,778.80	Max WS	160.54	163.74	167.24	3.50		167.66	0.009922	2.89	55.82	37.65	0.58
c04_01	1,770.81	Max WS	160.56	163.66	167.24	3.58		167.59	0.00811	2.62	61.43	46.67	0.52
c04_01	1,762.89	Max WS	160.58	163.83	167.19	3.36		167.53	0.007731	2.57	62.64	50.20	0.51
c04_01	1,754.71	Max WS	160.61	163.86	167.13	3.27		167.46	0.008059	2.55	62.94	52.72	0.52
c04_01	1,745.90	Max WS	160.63	163.94	167.05	3.11		167.39	0.009393	2.56	62.31	49.77	0.56
c04_01	1,740.19	Max WS	160.65	164.07	166.85	2.78		167.32	0.016396	3.04	52.72	41.05	0.71
c04_01	1,730.38	Max WS	160.69	163.74	166.83	3.09		167.18	0.010522	2.65	61.42	35.49	0.59
c04_01	1,722.86	Max WS	160.71	163.60	166.68	3.08		167.10	0.012569	2.91	56.15	41.80	0.65
c04_01	1,715.36	Max WS	160.72	163.61	166.75	3.14		167.02	0.006625	2.31	70.42	44.13	0.48
c04_01	1,709.28	Max WS	160.73	163.55	166.71	3.16		166.98	0.005579	2.31	69.49	42.45	0.45
c04_01	1,703.33	Max WS	160.75	163.58	166.65	3.07		166.95	0.006451	2.42	66.05	41.15	0.48
c04_01	1,695.48	Max WS	160.76	163.47	166.64	3.17		166.90	0.005887	2.28	71.05	39.07	0.45
c04_01	1,687.33	Max WS	160.78	163.64	166.57	2.93		166.85	0.007057	2.35	69.48	39.66	0.49
c04_01	1,681.94	Max WS	160.79	163.48	166.63	3.15		166.82	0.00429	1.95	84.01	42.93	0.39
c04_01	1,676.92	Max WS	160.81	163.24	166.67	3.43		166.80	0.002662	1.61	102.08	48.92	0.31
c04_01	1,670.93	Max WS	160.82	163.21	166.67	3.46		166.78	0.002199	1.49	110.72	52.28	0.28
c04_01	1,664.86	Max WS	160.83	163.15	166.68	3.53		166.77	0.001736	1.39	118.99	53.78	0.25
c04_01	1,657.08	Max WS	160.85	163.12	166.67	3.55		166.76	0.00151	1.35	122.78	60.15	0.24
c04_01	1,649.31	Max WS	160.86	163.01	166.65	3.64		166.75	0.001654	1.41	118.35	83.07	0.25
c04_01	1,641.55	Max WS	160.87	162.99	166.62	3.63		166.73	0.001918	1.52	109.18	67.75	0.27
c04_01	1,636.31	Max WS	160.88	163.01	166.48	3.47		166.72	0.00513	2.18	75.27	48.92	0.41
c04_01	1,628.32	Max WS	160.90	163.07	166.37	3.30		166.67	0.006719	2.48	66.14	39.31	0.47
c04_01	1,622.89	Max WS	160.91	163.04	166.36	3.32		166.63	0.006901	2.37	68.83	38.64	0.47
c04_01	1,617.89	Max WS	160.92	162.87	166.34	3.47		166.60	0.005971	2.32	70.98	36.68	0.44
c04_01	1,612.63	Max WS	160.93	162.93	166.38	3.45		166.58	0.0042	1.98	81.44	42.51	0.38
c04_01	1,607.26	Max WS	160.94	163.07	166.38	3.31		166.55	0.00462	1.84	88.72	47.07	0.40
c04_01	1,598.76	Max WS	160.96	162.94	166.35	3.41		166.51	0.004426	1.80	91.12	53.00	0.39
c04_01	1,590.27	Max WS	160.97	162.70	166.34	3.64		166.48	0.003629	1.67	98.51	63.21	0.35
c04_01	1,581.80	Max WS	160.98	162.57	166.32	3.75		166.45	0.00338	1.64	103.16	90.21	0.34
c04_01	1,573.35	Max WS	160.98	162.63	166.34	3.71		166.43	0.001945	1.31	127.96	106.53	0.26
c04_01	1,564.91	Max WS	160.98	162.79	166.33	3.54		166.41	0.001699	1.24	131.46	106.52	0.25
c04_01	1,556.44	Max WS	160.97	162.50	166.33	3.83		166.40	0.00141	1.15	142.64	120.23	0.22
c04_01	1,546.92	Max WS	159.55	162.53	166.31	3.78		166.38	0.001541	1.23	135.27	126.21	0.24
c04_01	1,537.46	Max WS	160.96	162.20	166.31	4.11		166.37	0.001179	1.08	156.09	145.00	0.21
c04_01	1,527.99	Max WS	159.60	162.40	166.31	3.91		166.36	0.000931	1.00	169.67	155.22	0.19
c04_01	1,518.55	Max WS	160.93	162.28	166.32	4.04		166.35	0.000711	0.81	202.29	126.99	0.16
c04_01	1,511.00	Max WS	159.64	162.78	166.31	3.53		166.35	0.000672	0.86	191.95	117.60	0.16
c04_01	1,503.48	Max WS	160.88	162.34	166.32	3.98		166.34	0.000447	0.73	225.50	122.18	0.13
c04_01	1,495.80	Max WS	159.69	162.51	166.31	3.80		166.34	0.000482	0.75	215.77	117.54	0.13
c04_01	1,488.22	Max WS	159.71	162.16	166.30	4.14		166.33	0.000482	0.77	209.52	115.49	0.13
c04_01	1,480.45	Max WS	159.72	162.37	166.29	3.92		166.33	0.000571	0.82	192.46	115.24	0.14
c04_01	1,470.68	Max WS	159.75	162.04	166.29	4.25		166.32	0.000566	0.78	201.07	118.97	0.14
c04_01	1,458.46	Max WS	159.78	162.14	166.28	4.14		166.32	0.000655	0.85	185.76	119.26	0.15
c04_01	1,450.32	Max WS	159.80	162.53	166.25	3.72		166.31	0.00103	0.96	152.92	115.68	0.19
c04_01	1,442.07	Max WS	159.81	162.27	166.23	3.96		166.30	0.001521	1.11	137.59	237.00	0.22
c04_01	1,433.72	Max WS	159.83	162.47	166.21	3.74		166.29	0.001678	1.15	132.77	237.25	0.23
c04_01	1,424.91	Max WS	159.84	162.50	166.20	3.70		166.27	0.001736	1.19	131.67	237.34	0.23

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	1,416.22	Max WS	159.85	162.27	166.19	3.92		166.26	0.001785	1.25	130.58	229.57	0.24
c04_01	1,407.41	Max WS	159.87	162.62	166.13	3.51		166.24	0.00332	1.46	108.90	219.36	0.31
c04_01	1,394.40	Max WS	159.88	162.63	166.07	3.44		166.21	0.004081	1.61	98.70	235.85	0.34
c04_01	1,385.70	Max WS	159.89	162.71	165.96	3.25		166.16	0.006924	1.82	80.69	213.82	0.42
c04_01	1,380.27	Max WS	159.90	163.18	165.90	2.72		166.12	0.007036	2.00	77.42	190.25	0.44
c04_01	1,372.18	Max WS	159.90	161.83	165.97	4.14		166.08	0.002479	1.50	107.39	208.66	0.28
c04_01	1,364.12	Max WS	159.91	161.72	165.94	4.22		166.06	0.002714	1.58	103.26	198.43	0.29
c04_01	1,356.07	Max WS	159.92	161.74	165.89	4.15		166.03	0.00319	1.69	96.44	189.21	0.32
c04_01	1,348.03	Max WS	159.93	161.96	165.85	3.89		166.01	0.003633	1.77	91.95	180.05	0.34
c04_01	1,338.82	Max WS	159.94	161.93	165.72	3.79		165.97	0.006553	2.38	73.47	152.03	0.45
c04_01	1,328.98	Max WS	159.95	162.06	165.66	3.60		165.91	0.006211	2.33	74.11	146.70	0.46
c04_01	1,320.28	Max WS	159.97	161.85	165.56	3.71		165.85	0.00683	2.50	68.06	129.11	0.47
c04_01	1,311.00	Max WS	159.98	162.11	165.43	3.32		165.78	0.009893	2.74	61.31	141.41	0.56
c04_01	1,300.93	Max WS	160.00	162.10	165.25	3.15	165.29	165.79	0.026421	3.30	49.56	137.43	0.87
c04_01	1,291.42	Max WS	160.01	161.73	164.99	3.26	165.14	165.77	0.030585	3.98	40.98	109.55	0.96
c04_01	1,281.13	Max WS	160.03	161.65	164.74	3.09		165.23	0.018154	3.14	51.56	93.94	0.75
c04_01	1,271.34	Max WS	160.05	162.04	164.69	2.65		165.07	0.010816	2.70	58.19	109.45	0.60
c04_01	1,261.90	Max WS	160.07	161.51	164.77	3.26		164.99	0.005107	2.14	77.43	117.48	0.43
c04_01	1,254.70	Max WS	160.08	161.58	164.67	3.09		164.97	0.007223	2.40	69.18	116.42	0.50
c04_01	1,246.19	Max WS	160.09	161.27	164.56	3.29		164.96	0.007479	2.48	63.98	89.07	0.50
c04_01	1,236.36	Max WS	160.11	161.68	164.46	2.78	164.51	165.01	0.014966	3.17	51.39	81.63	0.68
c04_01	1,227.28	Max WS	160.13	161.59	164.30	2.71	164.44	164.93	0.02153	3.16	49.49	72.43	0.81
c04_01	1,219.01	Max WS	160.15	161.49	164.14	2.65	164.16	164.58	0.017898	2.94	55.45	91.76	0.74
c04_01	1,210.21	Max WS	160.17	160.77	163.99	3.22	163.99	164.38	0.015936	2.80	58.37	84.46	0.67
c04_01	1,201.05	Max WS	159.53	161.62	163.87	2.25		164.17	0.011844	2.53	66.47	88.46	0.60
c04_01	1,191.41	Max WS	159.54	161.62	163.82	2.20		164.06	0.009396	2.21	74.61	120.63	0.54
c04_01	1,181.22	Max WS	159.54	161.62	163.78	2.16		163.98	0.007106	2.00	81.55	113.65	0.48
c04_01	1,171.58	Max WS	156.65	161.32	163.70	2.38		163.90	0.008415	1.97	80.54	83.81	0.51
c04_01	1,161.82	Max WS	159.59	161.36	163.71	2.35		163.84	0.004808	1.60	100.75	87.33	0.39
c04_01	1,152.97	Max WS	156.69	161.19	163.68	2.49		163.79	0.004488	1.47	107.97	91.76	0.37
c04_01	1,144.10	Max WS	151.35	161.07	163.61	2.54		163.74	0.005639	1.59	94.85	139.23	0.42
c04_01	1,135.45	Max WS	151.34	160.67	163.58	2.91		163.70	0.005271	1.46	103.32	183.73	0.40
c04_01	1,127.22	Max WS	151.33	160.77	163.55	2.78		163.66	0.004904	1.38	106.26	174.93	0.38
c04_01	1,118.92	Max WS	151.30	160.65	163.53	2.88		163.62	0.003628	1.21	120.39	179.54	0.33
c04_01	1,110.47	Max WS	197.78	160.60	163.35	2.75		163.53	0.007102	1.62	113.01	175.69	0.46
c04_01	1,101.79	Max WS	199.09	160.70	163.33	2.63		163.48	0.003911	1.31	131.37	177.00	0.35
c04_01	1,091.98	Max WS	199.08	160.41	163.31	2.90		163.47	0.002653	1.12	142.53	157.95	0.29
c04_01	1,082.19	Max WS	199.07	160.42	163.34	2.92		163.40	0.001869	1.09	184.93	137.43	0.25
c04_01	1,071.57	Max WS	199.06	160.31	163.32	3.01		163.39	0.001693	1.08	173.36	131.76	0.24
c04_01	1,061.64	Max WS	199.05	160.36	163.29	2.93		163.37	0.002111	1.15	166.19	136.51	0.27
c04_01	1,051.34	Max WS	199.04	160.39	163.28	2.89		163.35	0.002232	1.15	169.57	126.04	0.27
c04_01	1,043.75	Max WS	199.03	160.33	163.26	2.93		163.33	0.002095	1.14	170.21	130.70	0.26
c04_01	1,037.20	Max WS	199.03	160.18	163.24	3.09		163.31	0.002233	1.15	167.62	128.36	0.27
c04_01	1,027.03	Max WS	199.02	160.17	163.23	3.09		163.29	0.002024	1.12	174.69	129.35	0.26
c04_01	1,016.90	Max WS	199.01	160.12	163.22	3.10		163.28	0.00161	1.03	186.71	141.64	0.23
c04_01	1,006.84	Max WS	199.00	160.00	163.19	3.19		163.26	0.002178	1.11	179.78	165.97	0.27
c04_01	997.21	Max WS	198.99	160.08	163.19	3.11		163.24	0.000934	1.04	192.62	174.98	0.24
c04_01	988.27	Max WS	198.98	160.00	163.18	3.18		163.23	0.000797	0.99	202.95	127.90	0.23
c04_01	980.14	Max WS	198.97	160.00	163.18	3.18		163.23	0.000634	0.93	216.20	216.41	0.21
c04_01	971.82	Max WS	198.95	159.79	163.18	3.39		163.22	0.000619	0.92	219.42	223.36	0.20
c04_01	963.01	Max WS	198.93	159.76	163.18	3.42		163.22	0.000531	0.89	226.87	134.77	0.19
c04_01	953.15	Max WS	198.90	159.58	163.17	3.59		163.21	0.000551	0.94	216.36	132.86	0.20
c04_01	941.70	Max WS	198.83	159.65	163.16	3.51		163.20	0.000657	0.97	205.81	131.39	0.21
c04_01	929.62	Max WS	198.74	159.60	163.14	3.54		163.20	0.000718	1.02	194.59	132.97	0.22

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	920.44	Max WS	198.70	159.46	163.14	3.68		163.19	0.000651	1.00	198.23	86.08	0.21
c04_01	913.82	Max WS	198.71	159.54	163.14	3.60		163.19	0.000588	0.98	202.53	89.49	0.20
c04_01	905.48	Max WS	198.71	159.56	163.13	3.57		163.18	0.000536	0.98	203.59	85.35	0.19
c04_01	897.13	Max WS	198.72	159.58	163.13	3.55		163.18	0.000471	0.96	207.19	82.66	0.18
c04_01	888.77	Max WS	198.72	159.70	163.13	3.43		163.17	0.000471	0.95	209.23	86.06	0.18
c04_01	880.37	Max WS	198.72	159.68	163.13	3.45		163.17	0.000402	0.89	222.39	90.39	0.17
c04_01	871.24	Max WS	198.71	159.59	163.13	3.54		163.17	0.00039	0.89	224.11	88.62	0.17
c04_01	865.50	Max WS	198.72	159.55	163.12	3.57		163.16	0.000448	0.96	206.17	82.10	0.18
c04_01	856.37	Max WS	198.72	159.57	163.10	3.53		163.16	0.000493	1.04	191.13	76.30	0.19
c04_01	846.99	Max WS	198.73	159.59	163.09	3.50		163.15	0.000613	1.14	174.68	73.48	0.21
c04_01	837.02	Max WS	198.73	159.49	163.07	3.58		163.15	0.000879	1.27	157.04	76.69	0.25
c04_01	826.40	Max WS	198.74	159.07	163.04	3.97		163.14	0.000938	1.38	145.13	52.72	0.26
c04_01	815.84	Max WS	198.75	159.08	162.99	3.91		163.13	0.0013	1.61	123.09	40.12	0.29
c04_01	806.94	Max WS	198.76	159.16	162.97	3.81		163.11	0.001336	1.67	119.18	48.21	0.31
c04_01	797.61	Max WS	198.78	159.33	162.89	3.56		163.10	0.002253	2.04	97.33	45.35	0.39
c04_01	787.85	Max WS	197.42	159.59	162.70	3.11		163.06	0.004988	2.67	74.06	39.39	0.56
c04_01	778.61	Max WS	198.82	159.40	162.40	2.99		163.09	0.015101	3.70	53.74	32.06	0.90
c04_01	776.09	Max WS	198.82	159.46	162.33	2.87	162.27	163.10	0.017038	3.90	51.01	30.32	0.96
c04_01	772.98	Max WS	136.66	159.21	162.32	3.11		162.65	0.004864	2.54	53.75	23.79	0.54
c04_01	767.56	Max WS	198.85	158.62	162.70	4.08		162.81	0.001402	1.58	139.76	97.91	0.30
c04_01	760.62	Max WS	198.80	158.63	162.76	4.13		162.80	0.000414	0.98	214.19	121.48	0.17
c04_01	752.92	Max WS	198.70	158.62	162.75	4.13		162.80	0.000444	1.09	211.53	154.75	0.18
c04_01	743.41	Max WS	198.64	158.55	162.75	4.20	160.81	162.80	0.0005	1.14	219.33	219.19	0.19
c04_01	724.09		Bridge										
c04_01	700.98	Max WS	196.33	157.88	161.52	3.64		162.14	0.007859	3.80	59.41	108.08	0.71
c04_01	692.29	Max WS	196.34	157.75	161.82	4.07		161.95	0.001761	1.69	130.25	184.51	0.35
c04_01	683.58	Max WS	196.35	157.68	161.80	4.12		161.95	0.001628	1.76	130.37	269.64	0.33
c04_01	674.87	Max WS	196.36	157.75	161.81	4.06		161.93	0.001309	1.77	143.88	274.73	0.30
c04_01	665.25	Max WS	196.38	157.95	161.80	3.85		161.91	0.001228	1.68	149.26	266.07	0.30
c04_01	656.31	Max WS	196.39	157.84	161.80	3.96		161.90	0.00124	1.57	152.46	279.34	0.30
c04_01	648.67	Max WS	197.83	157.72	161.79	4.07		161.88	0.001112	1.54	159.11	284.66	0.29
c04_01	640.31	Max WS	197.76	157.83	161.79	3.96		161.88	0.000959	1.46	165.81	270.29	0.27
c04_01	631.81	Max WS	197.68	157.64	161.79	4.15		161.87	0.000875	1.40	168.21	261.95	0.26
c04_01	623.11	Max WS	197.61	157.87	161.78	3.91		161.86	0.000894	1.43	164.64	256.75	0.26
c04_01	614.29	Max WS	196.45	157.62	161.75	4.13		161.86	0.001158	1.62	148.02	236.43	0.29
c04_01	605.48	Max WS	196.46	157.70	161.71	4.01		161.86	0.001773	1.91	126.08	225.47	0.34
c04_01	597.10	Max WS	196.46	157.60	161.64	4.04		161.92	0.002628	2.05	109.18	210.25	0.42
c04_01	588.75	Max WS	196.47	157.58	161.61	4.03		161.91	0.002559	2.17	106.28	323.08	0.42
c04_01	580.65	Max WS	196.47	157.20	161.55	4.35		161.89	0.002578	2.18	94.43	335.45	0.42
c04_01	572.66	Max WS	196.46	157.50	161.49	3.99		161.86	0.002933	2.42	86.67	324.44	0.45
c04_01	564.53	Max WS	196.46	157.48	161.37	3.89		161.79	0.003646	2.64	73.97	304.05	0.51
c04_01	556.40	Max WS	196.46	157.37	161.37	4.00		161.75	0.003268	2.44	77.19	264.77	0.45
c04_01	547.19	Max WS	196.46	157.35	161.25	3.90		161.69	0.004418	2.78	68.58	258.34	0.55
c04_01	537.76	Max WS	196.45	157.39	161.07	3.68		161.63	0.006508	3.09	60.19	217.06	0.64
c04_01	527.90	Max WS	196.45	157.44	161.19	3.75		161.57	0.003545	2.60	73.08	244.24	0.49
c04_01	519.84	Max WS	196.45	157.36	161.15	3.79		161.56	0.003628	2.77	71.23	278.87	0.51
c04_01	512.22	Max WS	196.45	157.34	161.11	3.77		161.54	0.003868	2.80	70.46	309.17	0.51
c04_01	504.90	Max WS	196.45	157.23	161.06	3.83		161.50	0.004407	2.94	68.50	294.91	0.55
c04_01	495.50	Max WS	196.46	157.12	160.81	3.69		161.47	0.008494	3.68	55.12	253.98	0.73
c04_01	486.02	Max WS	196.47	157.12	160.66	3.54	160.65	161.47	0.010664	4.10	50.26	263.23	0.81
c04_01	476.59	Max WS	196.48	157.12	160.54	3.42	160.57	161.42	0.011661	4.26	48.00	227.16	0.84
c04_01	467.23	Max WS	196.43	157.21	160.48	3.27		161.18	0.007716	3.52	53.96	197.15	0.70
c04_01	457.94	Max WS	196.41	157.02	160.31	3.29		161.16	0.010294	3.98	48.38	179.36	0.78
c04_01	448.72	Max WS	196.39	157.14	160.19	3.05	160.28	161.30	0.015023	4.67	42.03	152.66	0.94

Hydraulic Calculation Results - Cross Sections - MaxWS - T=500													
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Max Chl Dpth	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
c04_01	440.30	Max WS	196.37	156.97	160.06	3.09	160.15	161.12	0.015215	4.61	43.23	145.99	0.94
c04_01	431.64	Max WS	196.34	156.77	159.93	3.16	160.01	160.91	0.01372	4.46	45.24	132.83	0.90
c04_01	422.73	Max WS	201.12	156.50	159.82	3.32	159.79	160.68	0.011704	4.17	49.45	104.12	0.84
c04_01	413.60	Max WS	201.12	156.67	159.71	3.04	159.78	160.66	0.013915	4.41	46.92	87.21	0.92
c04_01	404.37	Max WS	201.12	156.55	159.59	3.04	159.68	160.33	0.011509	3.95	54.28	90.86	0.84
c04_01	396.32	Max WS	201.11	156.53	159.50	2.97	159.51	160.07	0.010961	3.64	62.39	97.76	0.82
c04_01	388.11	Max WS	200.65	156.33	159.64	3.31		159.83	0.003116	1.99	103.65	139.35	0.45
c04_01	379.85	Max WS	200.66	155.90	159.66	3.76		159.80	0.002338	1.80	118.77	134.71	0.40
c04_01	371.44	Max WS	200.66	155.81	159.67	3.86		159.79	0.002082	1.60	131.67	131.78	0.37
c04_01	363.16	Max WS	200.67	155.80	159.63	3.83		159.77	0.002423	1.73	125.80	123.08	0.40
c04_01	354.89	Max WS	200.67	155.66	159.63	3.97		159.76	0.001589	1.73	134.15	112.61	0.34
c04_01	346.46	Max WS	200.68	155.45	159.62	4.17		159.74	0.001414	1.69	140.41	111.08	0.32
c04_01	336.84	Max WS	200.69	155.22	159.58	4.36		159.73	0.001758	1.78	129.05	93.78	0.35
c04_01	327.53	Max WS	200.70	155.34	159.61	4.27		159.71	0.001958	1.39	144.02	90.26	0.35
c04_01	319.60	Max WS	200.70	155.41	159.59	4.18		159.69	0.001754	1.37	146.34	90.29	0.34
c04_01	311.65	Max WS	200.71	155.26	159.57	4.31		159.68	0.002069	1.46	137.14	87.73	0.36
c04_01	303.82	Max WS	200.72	155.35	159.55	4.20		159.66	0.001917	1.47	136.39	87.76	0.35
c04_01	293.82	Max WS	200.72	155.21	159.53	4.32		159.64	0.001719	1.50	135.41	84.94	0.34
c04_01	284.10	Max WS	200.73	155.19	159.53	4.33		159.63	0.001438	1.42	143.19	104.51	0.31
c04_01	274.22	Max WS	200.73	155.07	159.49	4.42		159.62	0.001816	1.62	133.67	133.81	0.35
c04_01	267.25	Max WS	200.73	155.00	159.54	4.54		159.59	0.000648	1.15	311.95	194.29	0.22
c04_01	261.66	Max WS	200.73	154.99	159.53	4.54		159.58	0.000532	1.13	274.95	150.33	0.20
c04_01	256.15	Max WS	200.74	154.98	159.51	4.53		159.57	0.000624	1.26	254.94	136.25	0.22
c04_01	248.61	Max WS	200.74	154.83	159.55	4.72		159.58	0.000198	0.72	271.23	152.95	0.12
c04_01	241.42	Max WS	200.74	154.58	159.54	4.96		159.58	0.000196	0.73	272.46	149.53	0.12
c04_01	233.54	Max WS	200.74	154.46	159.47	5.01		159.61	0.000859	1.52	136.08	141.62	0.25
c04_01	226.52	Max WS	200.75	154.53	159.53	5.00		159.57	0.000311	0.93	235.70	138.62	0.16
c04_01	218.38	Max WS	200.75	154.44	159.42	4.97		159.58	0.001365	1.93	116.28	134.52	0.33
c04_01	210.99	Max WS	200.75	154.41	159.42	5.01		159.57	0.001303	1.83	118.19	131.49	0.32
c04_01	204.76	Max WS	200.75	154.29	159.49	5.20		159.65	0.00125	1.81	117.56	134.64	0.31
c04_01	198.58	Max WS	200.76	154.30	159.50	5.20		159.63	0.001101	1.63	123.37	135.71	0.29
c04_01	194.21	Max WS	200.76	154.26	159.51	5.25		159.55	0.000274	0.82	259.96	146.69	0.14
c04_01	187.59	Max WS	200.76	154.16	159.44	5.28	156.94	159.56	0.000737	1.52	131.80	134.33	0.24
c04_01	157.37		Bridge										
c04_01	130.46	Max WS	200.76	153.96	158.39	4.43		158.55	0.006097	1.89	120.15	93.33	0.31
c04_01	121.93	Max WS	200.77	153.76	158.31	4.55		158.49	0.00934	2.13	119.72	102.32	0.37
c04_01	113.68	Max WS	200.77	153.29	158.25	4.96		158.40	0.010955	2.00	125.82	108.47	0.38
c04_01	105.60	Max WS	200.78	153.78	158.18	4.40		158.31	0.011254	1.58	130.50	107.87	0.37
c04_01	97.68	Max WS	200.79	153.35	158.10	4.75		158.22	0.010659	1.54	136.58	106.06	0.36
c04_01	89.86	Max WS	200.80	153.52	158.02	4.50		158.14	0.010777	1.50	140.29	92.77	0.36
c04_01	80.61	Max WS	200.81	153.42	157.95	4.53		158.04	0.009015	1.38	151.05	99.26	0.33
c04_01	71.33	Max WS	200.82	153.13	157.87	4.74		157.96	0.00946	1.35	154.44	108.87	0.33
c04_01	62.11	Max WS	200.83	153.49	157.79	4.30		157.87	0.008899	1.31	157.44	106.18	0.32
c04_01	52.93	Max WS	200.83	152.96	157.72	4.76		157.80	0.00741	1.22	169.20	107.99	0.30
c04_01	43.78	Max WS	200.84	152.96	157.65	4.69		157.73	0.008355	1.25	165.63	116.88	0.31
c04_01	34.63	Max WS	200.85	153.09	157.55	4.46		157.64	0.010526	1.31	157.12	120.21	0.35
c04_01	25.53	Max WS	200.84	153.02	157.47	4.45	156.66	157.55	0.010042	1.27	160.07	121.66	0.34

Hydraulic Calculation Results - Bridges - MaxWS - T=500										
Reach	River Sta	Profile	E.G. US.	Min El Prs	BR Open Area	Prs O WS	Q Total	Min El Weir Flow	Q Weir	Delta EG
			(m)	(m)	(m2)	(m)	(m3/s)	(m)	(m3/s)	(m)
c04_01	3375.382	Max WS	180.24	178.9	21.15		140.86	179.3	76.74	0.04
c04_01	2543.696	Max WS	173.83	173	71.73		148.72	175		0.35
c04_01	724.0876	Max WS	162.8	161.1	21.41		198.64	161.9	112.46	0.67
c04_01	157.3668	Max WS	159.56	158.8	64.54	159.44	200.76	160		1

Hydraulic Calculation Results - Culverts - MaxWS - T=500												
Reach	River Sta	Profile	E.G. US.	W.S. US.	E.G. IC	E.G. OC	Min El Weir Flow	Q Culv Group	Q Weir	Delta WS	Culv Vel US	Culv Vel DS
			(m)	(m)	(m)	(m)	(m)	(m ³ /s)	(m ³ /s)	(m)	(m/s)	(m/s)
c04_01	5885.715 Culvert #1	Max WS	199.04	199.01	199.04	198.6	198	19.16	87.72	1.76	3.61	5.91
c04_01	5756.415 Culvert #1	Max WS	197.34	197.29	197.38	197.42	196.4	-4.77	102.78	197.29	-1.35	-1.35
c04_01	5447.773 Culvert #1	Max WS	194.45	194.22	193.56	194.45	193	4	103.89	0.41	2.26	2.26
c04_01	5447.773 Culvert #2	Max WS	194.45	194.22	192.99	194.44	193	1.24	103.89	0.41	1.95	1.95
c04_01	2387.045 Culvert #1	Max WS	172.78	172.88	172.33	172.78	171.15	11.25	104.41	1.19	3.54	3.54
c04_01	2387.045 Culvert #2	Max WS	172.78	172.88	171.28	172.79	171.15	11.27	104.41	1.19	3.54	3.54