Plan: 01 River R1 RS: 1000 Profile: PF 1

E.G. Elev (m)	15.48	Element	Left OB	Channel	Right OB
Vel Head (m)	5.24	Wt. n-Val.		0.025	
W.S. Elev (m)	10.24	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	10.83	Flow Area (m2)		19.14	
E.G. Slope (m/m)	0.440221	Area (m2)		19.14	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	80.95	Top Width (m)		80.95	
Vel Total (m/s)	10.14	Avg. Vel. (m/s)		10.14	
Max Chl Dpth (m)	0.24	Hydr. Depth (m)		0.24	
Conv. Total (m3/s)	292.4	Conv. (m3/s)		292.4	
Length Wtd. (m)	100.00	Wetted Per. (m)		81.06	
Min Ch El (m)	10.00	Shear (N/m2)		1019.14	
Alpha	1.00	Stream Power (N/m s)		10331.40	
Frctn Loss (m)	7.07	Cum Volume (1000 m3)		87.99	
C & E Loss (m)	1.28	Cum SA (1000 m2)		83.37	

Plan: 01 River R1 RS: 900.00* Profile: PF 1

E.G. Elev (m)	7.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.98	Wt. n-Val.		0.025	
W.S. Elev (m)	6.15	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	6.43	Flow Area (m2)		44.19	
E.G. Slope (m/m)	0.027656	Area (m2)		44.19	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	82.18	Top Width (m)		82.18	
Vel Total (m/s)	4.39	Avg. Vel. (m/s)		4.39	
Max Chl Dpth (m)	0.54	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	1166.6	Conv. (m3/s)		1166.6	
Length Wtd. (m)	100.00	Wetted Per. (m)		82.44	
Min Ch El (m)	5.60	Shear (N/m2)		145.39	
Alpha	1.00	Stream Power (N/m s)		638.24	
Frctn Loss (m)	3.89	Cum Volume (1000 m3)		84.83	
C & E Loss (m)	0.06	Cum SA (1000 m2)		75.21	

Plan: 01 River R1 RS: 800.00* Profile: PF 1

E.G. Elev (m)	3.18	Element	Left OB	Channel	Right OB
Vel Head (m)	1.55	Wt. n-Val.		0.025	
W.S. Elev (m)	1.64	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	2.03	Flow Area (m2)		35.19	
E.G. Slope (m/m)	0.058626	Area (m2)		35.19	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	81.74	Top Width (m)		81.74	
Vel Total (m/s)	5.51	Avg. Vel. (m/s)		5.51	
Max Chl Dpth (m)	0.44	Hydr. Depth (m)		0.43	
Conv. Total (m3/s)	801.2	Conv. (m3/s)		801.2	
Length Wtd. (m)	100.00	Wetted Per. (m)		81.95	
Min Ch El (m)	1.20	Shear (N/m2)		246.89	
Alpha	1.00	Stream Power (N/m s)		1361.06	
Frctn Loss (m)	4.60	Cum Volume (1000 m3)		80.86	
C & E Loss (m)	0.11	Cum SA (1000 m2)		67.01	

Plan: 01 River R1 RS: 700.00* Profile: PF 1

E.G. Elev (m)	-1.53	Element	Left OB	Channel	Right OB
Vel Head (m)	1.17	Wt. n-Val.		0.025	
W.S. Elev (m)	-2.70	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	-2.37	Flow Area (m2)		40.44	
E.G. Slope (m/m)	0.037056	Area (m2)		40.44	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	

Plan: 01 River R1 RS: 700.00* Profile: PF 1 (Continued)

Top Width (m)	82.00	Top Width (m)		82.00	
Vel Total (m/s)	4.80	Avg. Vel. (m/s)		4.80	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.49	
Conv. Total (m3/s)	1007.8	Conv. (m3/s)		1007.8	
Length Wtd. (m)	100.00	Wetted Per. (m)		82.23	
Min Ch El (m)	-3.20	Shear (N/m2)		178.70	
Alpha	1.00	Stream Power (N/m s)		857.29	
Frctn Loss (m)	4.21	Cum Volume (1000 m3)		77.08	
C & E Loss (m)	0.02	Cum SA (1000 m2)		58.83	

Plan: 01 River R1 RS: 600.00* Profile: PF 1

E.G. Elev (m)	-5.76	Element	Left OB	Channel	Right OB
Vel Head (m)	1.38	Wt. n-Val.		0.025	
W.S. Elev (m)	-7.14	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	-6.77	Flow Area (m2)		37.31	
E.G. Slope (m/m)	0.048316	Area (m2)		37.31	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	81.84	Top Width (m)		81.84	
Vel Total (m/s)	5.20	Avg. Vel. (m/s)		5.20	
Max Chl Dpth (m)	0.46	Hydr. Depth (m)		0.46	
Conv. Total (m3/s)	882.6	Conv. (m3/s)		882.6	
Length Wtd. (m)	100.00	Wetted Per. (m)		82.06	
Min Ch El (m)	-7.60	Shear (N/m2)		215.44	
Alpha	1.00	Stream Power (N/m s)		1120.11	
Frctn Loss (m)	0.01	Cum Volume (1000 m3)		73.19	
C & E Loss (m)	0.12	Cum SA (1000 m2)		50.64	

Plan: 01 River R1 RS: 500.00* Profile: PF 1

E.G. Elev (m)	-8.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.025	
W.S. Elev (m)	-8.02	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	-11.17	Flow Area (m2)		350.55	
E.G. Slope (m/m)	0.000035	Area (m2)		350.55	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	95.94	Top Width (m)		95.94	
Vel Total (m/s)	0.55	Avg. Vel. (m/s)		0.55	
Max Chl Dpth (m)	3.98	Hydr. Depth (m)		3.65	
Conv. Total (m3/s)	32836.9	Conv. (m3/s)		32836.9	
Length Wtd. (m)	100.00	Wetted Per. (m)		97.82	
Min Ch El (m)	-12.00	Shear (N/m2)		1.23	
Alpha	1.00	Stream Power (N/m s)		0.68	
Frctn Loss (m)		Cum Volume (1000 m3)		53.80	
C & E Loss (m)		Cum SA (1000 m2)		41.75	

Plan: 01 River R1 RS: 400.00* Profile: PF 1

E.G. Elev (m)	-15.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.41	Wt. n-Val.		0.025	
W.S. Elev (m)	-15.57	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	-15.57	Flow Area (m2)		68.15	
E.G. Slope (m/m)	0.006664	Area (m2)		68.15	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	83.34	Top Width (m)		83.34	
Vel Total (m/s)	2.85	Avg. Vel. (m/s)		2.85	
Max Chl Dpth (m)	0.83	Hydr. Depth (m)		0.82	
Conv. Total (m3/s)	2376.5	Conv. (m3/s)		2376.5	
Length Wtd. (m)	100.00	Wetted Per. (m)		83.73	
Min Ch El (m)	-16.40	Shear (N/m2)		53.19	

Plan: 01 River R1 RS: 400.00* Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		151.41	
Frctn Loss (m)	1.89	Cum Volume (1000 m3)		15.85	
C & E Loss (m)	0.28	Cum SA (1000 m2)		32.78	

Plan: 01 River R1 RS: 300.00* Profile: PF 1

E.G. Elev (m)	-17.32	Element	Left OB	Channel	Right OB
Vel Head (m)	3.17	Wt. n-Val.		0.025	
W.S. Elev (m)	-20.49	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	-19.97	Flow Area (m2)		24.58	
E.G. Slope (m/m)	0.191947	Area (m2)		24.58	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	81.22	Top Width (m)		81.22	
Vel Total (m/s)	7.89	Avg. Vel. (m/s)		7.89	
Max Chl Dpth (m)	0.30	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	442.8	Conv. (m3/s)		442.8	
Length Wtd. (m)	100.00	Wetted Per. (m)		81.36	
Min Ch El (m)	-20.80	Shear (N/m2)		568.76	
Alpha	1.00	Stream Power (N/m s)		4488.12	
Frctn Loss (m)	5.70	Cum Volume (1000 m3)		11.21	
C & E Loss (m)	0.66	Cum SA (1000 m2)		24.55	

Plan: 01 River R1 RS: 200.00* Profile: PF 1

E.G. Elev (m)	-23.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.97	Wt. n-Val.		0.025	
W.S. Elev (m)	-24.65	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	-24.37	Flow Area (m2)		44.55	
E.G. Slope (m/m)	0.026932	Area (m2)		44.55	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	82.20	Top Width (m)		82.20	
Vel Total (m/s)	4.35	Avg. Vel. (m/s)		4.35	
Max Chl Dpth (m)	0.55	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	1182.1	Conv. (m3/s)		1182.1	
Length Wtd. (m)	100.00	Wetted Per. (m)		82.46	
Min Ch El (m)	-25.20	Shear (N/m2)		142.70	
Alpha	1.00	Stream Power (N/m s)		621.39	
Frctn Loss (m)	3.86	Cum Volume (1000 m3)		7.75	
C & E Loss (m)	0.06	Cum SA (1000 m2)		16.38	

Plan: 01 River R1 RS: 100.00* Profile: PF 1

E.G. Elev (m)	-27.60	Element	Left OB	Channel	Right OB
Vel Head (m)	1.57	Wt. n-Val.		0.025	
W.S. Elev (m)	-29.17	Reach Len. (m)	100.00	100.00	100.00
Crit W.S. (m)	-28.77	Flow Area (m2)		34.98	
E.G. Slope (m/m)	0.059777	Area (m2)		34.98	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	81.73	Top Width (m)		81.73	
Vel Total (m/s)	5.55	Avg. Vel. (m/s)		5.55	
Max Chl Dpth (m)	0.43	Hydr. Depth (m)		0.43	
Conv. Total (m3/s)	793.5	Conv. (m3/s)		793.5	
Length Wtd. (m)	100.00	Wetted Per. (m)		81.94	
Min Ch El (m)	-29.60	Shear (N/m2)		250.29	
Alpha	1.00	Stream Power (N/m s)		1387.97	
Frctn Loss (m)	4.61	Cum Volume (1000 m3)		3.78	
C & E Loss (m)	0.12	Cum SA (1000 m2)		8.19	

Plan: 01 River R1 RS: 0 Profile: PF 1

E.G. Elev (m)	-32.33	Element	Left OB	Channel	Right OB
Vel Head (m)	1.17	Wt. n-Val.		0.025	
W.S. Elev (m)	-33.50	Reach Len. (m)			
Crit W.S. (m)	-33.17	Flow Area (m2)		40.56	
E.G. Slope (m/m)	0.036689	Area (m2)		40.56	
Q Total (m3/s)	194.00	Flow (m3/s)		194.00	
Top Width (m)	82.00	Top Width (m)		82.00	
Vel Total (m/s)	4.78	Avg. Vel. (m/s)		4.78	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.49	
Conv. Total (m3/s)	1012.8	Conv. (m3/s)		1012.8	
Length Wtd. (m)		Wetted Per. (m)		82.24	
Min Ch El (m)	-34.00	Shear (N/m2)		177.45	
Alpha	1.00	Stream Power (N/m s)		848.72	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			