

APÉNDICE 3 TABLAS RESUMEN DE PARÁMETROS HIDRÁULICOS DE LAS SECCIONES ESTUDIADAS. SITUACIÓN PREOPERACIONAL

ESCENARIO SUELO SECO

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=2

E.G. Elev (m)	816.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	
W.S. Elev (m)	816.17	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.17	Flow Area (m2)		1.67	
E.G. Slope (m/m)	0.017555	Area (m2)		1.67	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	14.30	Top Width (m)		14.30	
Vel Total (m/s)	1.05	Avg. Vel. (m/s)		1.05	
Max Chl Dpth (m)	0.35	Hydr. Depth (m)		0.12	
Conv. Total (m3/s)	13.3	Conv. (m3/s)		13.3	
Length Wtd. (m)	183.73	Wetted Per. (m)		14.38	
Min Ch El (m)	815.82	Shear (N/m2)		20.03	
Alpha	1.00	Stream Power (N/m s)		21.08	
Frctn Loss (m)	5.71	Cum Volume (1000 m3)	0.00	1.14	
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.22	8.87	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=5

E.G. Elev (m)	816.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	816.28	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.28	Flow Area (m2)		3.58	0.00
E.G. Slope (m/m)	0.016369	Area (m2)		3.58	0.00
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	0.00
Top Width (m)	20.50	Top Width (m)		20.38	0.13
Vel Total (m/s)	1.33	Avg. Vel. (m/s)		1.33	0.18
Max Chl Dpth (m)	0.46	Hydr. Depth (m)		0.18	0.01
Conv. Total (m3/s)	37.3	Conv. (m3/s)		37.3	0.0
Length Wtd. (m)	183.73	Wetted Per. (m)		20.48	0.13
Min Ch El (m)	815.82	Shear (N/m2)		28.05	1.36
Alpha	1.00	Stream Power (N/m s)		37.39	0.24
Frctn Loss (m)	5.56	Cum Volume (1000 m3)	0.03	2.39	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.43	12.67	0.01

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=10

E.G. Elev (m)	816.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.000	0.030	0.030
W.S. Elev (m)	816.37	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.37	Flow Area (m2)	0.00	5.66	0.05
E.G. Slope (m/m)	0.014342	Area (m2)	0.00	5.66	0.05
Q Total (m3/s)	9.15	Flow (m3/s)	0.00	9.12	0.03
Top Width (m)	22.80	Top Width (m)	0.04	21.91	0.85
Vel Total (m/s)	1.60	Avg. Vel. (m/s)	0.07	1.61	0.59
Max Chl Dpth (m)	0.55	Hydr. Depth (m)	0.00	0.26	0.06
Conv. Total (m3/s)	76.4	Conv. (m3/s)	0.0	76.2	0.2
Length Wtd. (m)	183.68	Wetted Per. (m)	0.04	22.02	0.86
Min Ch El (m)	815.82	Shear (N/m2)		36.12	7.98
Alpha	1.01	Stream Power (N/m s)		58.26	4.70
Frctn Loss (m)	5.28	Cum Volume (1000 m3)	0.07	3.70	0.00
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.58	14.00	0.07

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=25

E.G. Elev (m)	816.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.50	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.50	Flow Area (m2)	0.09	8.51	0.22
E.G. Slope (m/m)	0.011904	Area (m2)	0.09	8.51	0.22
Q Total (m3/s)	16.68	Flow (m3/s)	0.06	16.43	0.20

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=25 (Continued)

Top Width (m)	25.13	Top Width (m)	1.40	21.91	1.81
Vel Total (m/s)	1.89	Avg. Vel. (m/s)	0.60	1.93	0.89
Max Chl Dpth (m)	0.68	Hydr. Depth (m)	0.07	0.39	0.12
Conv. Total (m3/s)	152.9	Conv. (m3/s)	0.5	150.6	1.8
Length Wtd. (m)	183.60	Wetted Per. (m)	1.41	22.02	1.83
Min Ch El (m)	815.82	Shear (N/m2)	7.75	45.12	14.17
Alpha	1.03	Stream Power (N/m s)	4.62	87.08	12.63
Frctn Loss (m)	4.82	Cum Volume (1000 m3)	0.16	5.60	0.02
C & E Loss (m)	0.10	Cum SA (1000 m2)	1.04	16.12	0.25

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=50

E.G. Elev (m)	816.84	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.61	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.61	Flow Area (m2)	0.30	10.80	0.46
E.G. Slope (m/m)	0.010626	Area (m2)	0.30	10.80	0.46
Q Total (m3/s)	23.81	Flow (m3/s)	0.24	23.09	0.48
Top Width (m)	27.19	Top Width (m)	2.62	21.91	2.66
Vel Total (m/s)	2.06	Avg. Vel. (m/s)	0.81	2.14	1.05
Max Chl Dpth (m)	0.79	Hydr. Depth (m)	0.11	0.49	0.17
Conv. Total (m3/s)	231.0	Conv. (m3/s)	2.4	224.0	4.6
Length Wtd. (m)	183.56	Wetted Per. (m)	2.63	22.02	2.68
Min Ch El (m)	815.82	Shear (N/m2)	11.91	51.12	17.67
Alpha	1.05	Stream Power (N/m s)	9.64	109.26	18.59
Frctn Loss (m)	4.48	Cum Volume (1000 m3)	0.28	7.13	0.05
C & E Loss (m)	0.14	Cum SA (1000 m2)	1.90	17.28	0.46

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=100

E.G. Elev (m)	817.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.73	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.73	Flow Area (m2)	0.73	13.53	0.85
E.G. Slope (m/m)	0.009359	Area (m2)	0.73	13.53	0.85
Q Total (m3/s)	33.27	Flow (m3/s)	0.73	31.52	1.02
Top Width (m)	29.78	Top Width (m)	4.18	21.91	3.70
Vel Total (m/s)	2.20	Avg. Vel. (m/s)	1.00	2.33	1.20
Max Chl Dpth (m)	0.91	Hydr. Depth (m)	0.17	0.62	0.23
Conv. Total (m3/s)	343.9	Conv. (m3/s)	7.5	325.8	10.6
Length Wtd. (m)	183.55	Wetted Per. (m)	4.19	22.02	3.73
Min Ch El (m)	815.82	Shear (N/m2)	15.92	56.38	20.94
Alpha	1.07	Stream Power (N/m s)	15.98	131.37	25.21
Frctn Loss (m)	4.11	Cum Volume (1000 m3)	0.48	8.79	0.11
C & E Loss (m)	0.18	Cum SA (1000 m2)	2.45	17.67	0.79

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=500

E.G. Elev (m)	817.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	817.02	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	817.02	Flow Area (m2)	2.16	19.70	2.08
E.G. Slope (m/m)	0.008261	Area (m2)	2.16	19.70	2.08
Q Total (m3/s)	62.27	Flow (m3/s)	3.30	55.43	3.53
Top Width (m)	32.82	Top Width (m)	6.00	21.91	4.91
Vel Total (m/s)	2.60	Avg. Vel. (m/s)	1.53	2.81	1.70
Max Chl Dpth (m)	1.20	Hydr. Depth (m)	0.36	0.90	0.42
Conv. Total (m3/s)	685.1	Conv. (m3/s)	36.4	609.9	38.9
Length Wtd. (m)	183.84	Wetted Per. (m)	6.03	22.02	4.97
Min Ch El (m)	815.82	Shear (N/m2)	29.03	72.49	33.94

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=500 (Continued)

Alpha	1.08	Stream Power (N/m s)	44.37	203.93	57.57
Frctn Loss (m)	3.71	Cum Volume (1000 m3)	1.26	13.00	0.40
C & E Loss (m)	0.22	Cum SA (1000 m2)	4.78	18.84	1.61

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=2

E.G. Elev (m)	810.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	810.23	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.32	Flow Area (m2)		0.77	
E.G. Slope (m/m)	0.068992	Area (m2)		0.77	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	5.73	Top Width (m)		5.73	
Vel Total (m/s)	2.28	Avg. Vel. (m/s)		2.28	
Max Chl Dpth (m)	0.34	Hydr. Depth (m)		0.13	
Conv. Total (m3/s)	6.7	Conv. (m3/s)		6.7	
Length Wtd. (m)	190.32	Wetted Per. (m)		5.81	
Min Ch El (m)	809.89	Shear (N/m2)		89.89	
Alpha	1.00	Stream Power (N/m s)		204.92	
Frctn Loss (m)	7.27	Cum Volume (1000 m3)	0.00	0.91	
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.22	7.02	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=5

E.G. Elev (m)	810.78	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.		0.030	
W.S. Elev (m)	810.35	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.48	Flow Area (m2)		1.65	
E.G. Slope (m/m)	0.073617	Area (m2)		1.65	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	9.01	Top Width (m)		9.01	
Vel Total (m/s)	2.89	Avg. Vel. (m/s)		2.89	
Max Chl Dpth (m)	0.46	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	17.6	Conv. (m3/s)		17.6	
Length Wtd. (m)	189.72	Wetted Per. (m)		9.12	
Min Ch El (m)	809.89	Shear (N/m2)		130.56	
Alpha	1.00	Stream Power (N/m s)		377.63	
Frctn Loss (m)	7.38	Cum Volume (1000 m3)	0.03	1.91	
C & E Loss (m)	0.09	Cum SA (1000 m2)	0.43	9.97	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=10

E.G. Elev (m)	811.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.73	Wt. n-Val.		0.030	
W.S. Elev (m)	810.43	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.63	Flow Area (m2)		2.42	
E.G. Slope (m/m)	0.084257	Area (m2)		2.42	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	9.73	Top Width (m)		9.73	
Vel Total (m/s)	3.79	Avg. Vel. (m/s)		3.79	
Max Chl Dpth (m)	0.54	Hydr. Depth (m)		0.25	
Conv. Total (m3/s)	31.5	Conv. (m3/s)		31.5	
Length Wtd. (m)	189.41	Wetted Per. (m)		9.86	
Min Ch El (m)	809.89	Shear (N/m2)		202.43	
Alpha	1.00	Stream Power (N/m s)		766.87	
Frctn Loss (m)	7.55	Cum Volume (1000 m3)	0.07	2.96	
C & E Loss (m)	0.17	Cum SA (1000 m2)	0.58	11.09	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=25

E.G. Elev (m)	811.77	Element	Left OB	Channel	Right OB
Vel Head (m)	1.23	Wt. n-Val.		0.030	
W.S. Elev (m)	810.53	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.88	Flow Area (m2)		3.39	
E.G. Slope (m/m)	0.099335	Area (m2)		3.39	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	10.42	Top Width (m)		10.42	
Vel Total (m/s)	4.92	Avg. Vel. (m/s)		4.92	
Max Chl Dpth (m)	0.64	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	52.9	Conv. (m3/s)		52.9	
Length Wtd. (m)	189.19	Wetted Per. (m)		10.58	
Min Ch El (m)	809.89	Shear (N/m2)		312.24	
Alpha	1.00	Stream Power (N/m s)		1536.40	
Frctn Loss (m)	7.84	Cum Volume (1000 m3)	0.15	4.51	0.00
C & E Loss (m)	0.29	Cum SA (1000 m2)	0.89	13.15	0.11

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=50

E.G. Elev (m)	812.22	Element	Left OB	Channel	Right OB
Vel Head (m)	1.61	Wt. n-Val.		0.030	
W.S. Elev (m)	810.61	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.02	Flow Area (m2)		4.23	
E.G. Slope (m/m)	0.103648	Area (m2)		4.23	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	
Top Width (m)	10.98	Top Width (m)		10.98	
Vel Total (m/s)	5.62	Avg. Vel. (m/s)		5.62	
Max Chl Dpth (m)	0.72	Hydr. Depth (m)		0.39	
Conv. Total (m3/s)	74.0	Conv. (m3/s)		74.0	
Length Wtd. (m)	188.98	Wetted Per. (m)		11.16	
Min Ch El (m)	809.89	Shear (N/m2)		385.59	
Alpha	1.00	Stream Power (N/m s)		2168.49	
Frctn Loss (m)	8.06	Cum Volume (1000 m3)	0.25	5.74	0.02
C & E Loss (m)	0.38	Cum SA (1000 m2)	1.63	14.26	0.25

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=100

E.G. Elev (m)	812.72	Element	Left OB	Channel	Right OB
Vel Head (m)	2.02	Wt. n-Val.		0.030	
W.S. Elev (m)	810.70	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.16	Flow Area (m2)		5.29	
E.G. Slope (m/m)	0.108424	Area (m2)		5.29	
Q Total (m3/s)	33.27	Flow (m3/s)		33.27	
Top Width (m)	11.99	Top Width (m)		11.99	
Vel Total (m/s)	6.29	Avg. Vel. (m/s)		6.29	
Max Chl Dpth (m)	0.81	Hydr. Depth (m)		0.44	
Conv. Total (m3/s)	101.0	Conv. (m3/s)		101.0	
Length Wtd. (m)	188.70	Wetted Per. (m)		12.20	
Min Ch El (m)	809.89	Shear (N/m2)		461.19	
Alpha	1.00	Stream Power (N/m s)		2900.57	
Frctn Loss (m)	8.29	Cum Volume (1000 m3)	0.40	7.06	0.05
C & E Loss (m)	0.47	Cum SA (1000 m2)	2.01	14.56	0.50

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=500

E.G. Elev (m)	813.47	Element	Left OB	Channel	Right OB
Vel Head (m)	2.53	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	810.94	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.49	Flow Area (m2)	0.55	8.56	0.03
E.G. Slope (m/m)	0.105129	Area (m2)	0.55	8.56	0.03
Q Total (m3/s)	62.27	Flow (m3/s)	1.35	60.88	0.05

Plan: Plan 01 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=500 (Continued)

Top Width (m)	21.31	Top Width (m)	5.13	15.79	0.39
Vel Total (m/s)	6.82	Avg. Vel. (m/s)	2.44	7.12	1.74
Max Chl Dpth (m)	1.05	Hydr. Depth (m)	0.11	0.54	0.07
Conv. Total (m3/s)	192.1	Conv. (m3/s)	4.2	187.8	0.1
Length Wtd. (m)	188.00	Wetted Per. (m)	5.14	16.01	0.41
Min Ch El (m)	809.89	Shear (N/m2)	110.68	550.74	66.40
Alpha	1.07	Stream Power (N/m s)	270.21	3918.93	115.30
Frctn Loss (m)	8.51	Cum Volume (1000 m3)	0.98	10.40	0.24
C & E Loss (m)	0.54	Cum SA (1000 m2)	3.61	15.38	1.20

Plan: Plan 01 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=2

E.G. Elev (m)	803.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	803.10	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.11	Flow Area (m2)	0.01	1.48	
E.G. Slope (m/m)	0.024235	Area (m2)	0.01	1.48	
Q Total (m3/s)	1.76	Flow (m3/s)	0.00	1.76	
Top Width (m)	15.16	Top Width (m)	1.61	13.55	
Vel Total (m/s)	1.18	Avg. Vel. (m/s)	0.21	1.19	
Max Chl Dpth (m)	0.20	Hydr. Depth (m)	0.01	0.11	
Conv. Total (m3/s)	11.3	Conv. (m3/s)	0.0	11.3	
Length Wtd. (m)	129.92	Wetted Per. (m)	1.61	13.56	
Min Ch El (m)	802.90	Shear (N/m2)	1.93	25.97	
Alpha	1.01	Stream Power (N/m s)	0.40	30.80	
Frctn Loss (m)	5.33	Cum Volume (1000 m3)	0.00	0.70	
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.09	5.19	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=5

E.G. Elev (m)	803.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	803.19	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.21	Flow Area (m2)	0.25	2.95	
E.G. Slope (m/m)	0.024003	Area (m2)	0.25	2.95	
Q Total (m3/s)	4.77	Flow (m3/s)	0.25	4.52	
Top Width (m)	21.42	Top Width (m)	3.14	18.28	
Vel Total (m/s)	1.49	Avg. Vel. (m/s)	0.97	1.53	
Max Chl Dpth (m)	0.29	Hydr. Depth (m)	0.08	0.16	
Conv. Total (m3/s)	30.8	Conv. (m3/s)	1.6	29.2	
Length Wtd. (m)	129.40	Wetted Per. (m)	3.14	18.30	
Min Ch El (m)	802.90	Shear (N/m2)	19.02	38.01	
Alpha	1.03	Stream Power (N/m s)	18.36	58.21	
Frctn Loss (m)	5.17	Cum Volume (1000 m3)	0.01	1.48	
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.17	7.37	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=10

E.G. Elev (m)	803.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	803.27	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.31	Flow Area (m2)	0.54	4.44	
E.G. Slope (m/m)	0.023164	Area (m2)	0.54	4.44	
Q Total (m3/s)	9.15	Flow (m3/s)	0.70	8.45	
Top Width (m)	23.54	Top Width (m)	4.20	19.34	
Vel Total (m/s)	1.84	Avg. Vel. (m/s)	1.29	1.90	
Max Chl Dpth (m)	0.37	Hydr. Depth (m)	0.13	0.23	
Conv. Total (m3/s)	60.1	Conv. (m3/s)	4.6	55.5	
Length Wtd. (m)	129.14	Wetted Per. (m)	4.21	19.36	
Min Ch El (m)	802.90	Shear (N/m2)	29.24	52.14	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=10 (Continued)

Alpha	1.03	Stream Power (N/m s)	37.82	99.15	
Frctn Loss (m)	5.02	Cum Volume (1000 m3)	0.03	2.30	
C & E Loss (m)	0.04	Cum SA (1000 m2)	0.23	8.32	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=25

E.G. Elev (m)	803.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.37	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.44	Flow Area (m2)	1.06	6.42	0.00
E.G. Slope (m/m)	0.022595	Area (m2)	1.06	6.42	0.00
Q Total (m3/s)	16.68	Flow (m3/s)	1.59	15.09	0.00
Top Width (m)	26.61	Top Width (m)	6.50	20.00	0.11
Vel Total (m/s)	2.23	Avg. Vel. (m/s)	1.50	2.35	0.40
Max Chl Dpth (m)	0.47	Hydr. Depth (m)	0.16	0.32	0.03
Conv. Total (m3/s)	111.0	Conv. (m3/s)	10.6	100.4	0.0
Length Wtd. (m)	128.95	Wetted Per. (m)	6.51	20.02	0.12
Min Ch El (m)	802.90	Shear (N/m2)	36.14	71.11	5.06
Alpha	1.05	Stream Power (N/m s)	54.05	167.02	2.04
Frctn Loss (m)	4.88	Cum Volume (1000 m3)	0.06	3.58	0.00
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.35	10.25	0.10

Plan: Plan 01 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=50

E.G. Elev (m)	803.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.44	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.53	Flow Area (m2)	1.60	7.81	0.02
E.G. Slope (m/m)	0.023091	Area (m2)	1.60	7.81	0.02
Q Total (m3/s)	23.81	Flow (m3/s)	2.68	21.12	0.01
Top Width (m)	28.67	Top Width (m)	8.41	20.00	0.26
Vel Total (m/s)	2.53	Avg. Vel. (m/s)	1.67	2.70	0.73
Max Chl Dpth (m)	0.54	Hydr. Depth (m)	0.19	0.39	0.06
Conv. Total (m3/s)	156.7	Conv. (m3/s)	17.7	139.0	0.1
Length Wtd. (m)	128.83	Wetted Per. (m)	8.43	20.02	0.29
Min Ch El (m)	802.90	Shear (N/m2)	43.04	88.33	12.29
Alpha	1.07	Stream Power (N/m s)	72.08	238.85	8.93
Frctn Loss (m)	4.80	Cum Volume (1000 m3)	0.12	4.60	0.02
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.93	11.31	0.23

Plan: Plan 01 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=100

E.G. Elev (m)	803.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.44	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.51	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.64	Flow Area (m2)	2.27	9.32	0.04
E.G. Slope (m/m)	0.023624	Area (m2)	2.27	9.32	0.04
Q Total (m3/s)	33.27	Flow (m3/s)	4.56	28.67	0.04
Top Width (m)	29.63	Top Width (m)	9.21	20.00	0.42
Vel Total (m/s)	2.86	Avg. Vel. (m/s)	2.01	3.08	1.02
Max Chl Dpth (m)	0.61	Hydr. Depth (m)	0.25	0.47	0.10
Conv. Total (m3/s)	216.5	Conv. (m3/s)	29.6	186.5	0.3
Length Wtd. (m)	128.65	Wetted Per. (m)	9.22	20.02	0.47
Min Ch El (m)	802.90	Shear (N/m2)	56.93	107.83	20.52
Alpha	1.06	Stream Power (N/m s)	114.42	331.79	20.88
Frctn Loss (m)	4.68	Cum Volume (1000 m3)	0.21	5.67	0.04
C & E Loss (m)	0.07	Cum SA (1000 m2)	1.25	11.52	0.46

Plan: Plan 01 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=500

E.G. Elev (m)	804.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.71	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.70	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.92	Flow Area (m2)	4.11	12.93	0.15
E.G. Slope (m/m)	0.025075	Area (m2)	4.11	12.93	0.15
Q Total (m3/s)	62.27	Flow (m3/s)	11.04	50.99	0.25
Top Width (m)	32.13	Top Width (m)	11.32	20.00	0.82
Vel Total (m/s)	3.62	Avg. Vel. (m/s)	2.68	3.94	1.62
Max Chl Dpth (m)	0.80	Hydr. Depth (m)	0.36	0.65	0.19
Conv. Total (m3/s)	393.2	Conv. (m3/s)	69.7	322.0	1.6
Length Wtd. (m)	128.50	Wetted Per. (m)	11.34	20.02	0.90
Min Ch El (m)	802.90	Shear (N/m2)	89.16	158.80	41.94
Alpha	1.07	Stream Power (N/m s)	239.29	626.25	68.09
Frctn Loss (m)	4.49	Cum Volume (1000 m3)	0.59	8.36	0.22
C & E Loss (m)	0.08	Cum SA (1000 m2)	2.25	11.97	1.07

Plan: Plan 01 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=2

E.G. Elev (m)	797.83	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	797.60	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	797.67	Flow Area (m2)		0.84	
E.G. Slope (m/m)	0.083868	Area (m2)		0.84	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	8.18	Top Width (m)		8.18	
Vel Total (m/s)	2.11	Avg. Vel. (m/s)		2.11	
Max Chl Dpth (m)	0.15	Hydr. Depth (m)		0.10	
Conv. Total (m3/s)	6.1	Conv. (m3/s)		6.1	
Length Wtd. (m)	171.74	Wetted Per. (m)		8.19	
Min Ch El (m)	797.45	Shear (N/m2)		83.89	
Alpha	1.00	Stream Power (N/m s)		176.79	
Frctn Loss (m)	6.11	Cum Volume (1000 m3)		0.55	
C & E Loss (m)	0.04	Cum SA (1000 m2)		3.78	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=5

E.G. Elev (m)	798.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.41	Wt. n-Val.		0.030	
W.S. Elev (m)	797.69	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	797.82	Flow Area (m2)		1.68	
E.G. Slope (m/m)	0.079471	Area (m2)		1.68	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	10.08	Top Width (m)		10.08	
Vel Total (m/s)	2.84	Avg. Vel. (m/s)		2.84	
Max Chl Dpth (m)	0.24	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	16.9	Conv. (m3/s)		16.9	
Length Wtd. (m)	171.74	Wetted Per. (m)		10.10	
Min Ch El (m)	797.45	Shear (N/m2)		129.56	
Alpha	1.00	Stream Power (N/m s)		368.10	
Frctn Loss (m)	6.14	Cum Volume (1000 m3)		1.18	
C & E Loss (m)	0.08	Cum SA (1000 m2)		5.53	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=10

E.G. Elev (m)	798.38	Element	Left OB	Channel	Right OB
Vel Head (m)	0.60	Wt. n-Val.		0.030	
W.S. Elev (m)	797.78	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	797.96	Flow Area (m2)		2.67	
E.G. Slope (m/m)	0.078498	Area (m2)		2.67	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=10 (Continued)

Top Width (m)	11.98	Top Width (m)		11.98	
Vel Total (m/s)	3.43	Avg. Vel. (m/s)		3.43	
Max Chl Dpth (m)	0.33	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	32.7	Conv. (m3/s)		32.7	
Length Wtd. (m)	171.74	Wetted Per. (m)		12.01	
Min Ch El (m)	797.45	Shear (N/m2)		171.15	
Alpha	1.00	Stream Power (N/m s)		586.60	
Frctn Loss (m)	6.20	Cum Volume (1000 m3)		1.84	
C & E Loss (m)	0.11	Cum SA (1000 m2)		6.29	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=25

E.G. Elev (m)	798.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.80	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	797.90	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.12	Flow Area (m2)		4.22	0.02
E.G. Slope (m/m)	0.076170	Area (m2)		4.22	0.02
Q Total (m3/s)	16.68	Flow (m3/s)		16.66	0.02
Top Width (m)	15.52	Top Width (m)		14.93	0.59
Vel Total (m/s)	3.94	Avg. Vel. (m/s)		3.95	0.87
Max Chl Dpth (m)	0.45	Hydr. Depth (m)		0.28	0.03
Conv. Total (m3/s)	60.4	Conv. (m3/s)		60.4	0.1
Length Wtd. (m)	171.73	Wetted Per. (m)		14.97	0.59
Min Ch El (m)	797.45	Shear (N/m2)		210.41	21.87
Alpha	1.01	Stream Power (N/m s)		831.77	19.12
Frctn Loss (m)	6.24	Cum Volume (1000 m3)		2.88	0.00
C & E Loss (m)	0.14	Cum SA (1000 m2)		7.98	0.04

Plan: Plan 01 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=50

E.G. Elev (m)	798.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.94	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	797.98	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.25	Flow Area (m2)	0.01	5.48	0.10
E.G. Slope (m/m)	0.070126	Area (m2)	0.01	5.48	0.10
Q Total (m3/s)	23.81	Flow (m3/s)	0.01	23.66	0.14
Top Width (m)	17.70	Top Width (m)	0.31	16.00	1.39
Vel Total (m/s)	4.26	Avg. Vel. (m/s)	0.83	4.32	1.49
Max Chl Dpth (m)	0.53	Hydr. Depth (m)	0.03	0.34	0.07
Conv. Total (m3/s)	89.9	Conv. (m3/s)	0.0	89.3	0.5
Length Wtd. (m)	171.67	Wetted Per. (m)	0.31	16.03	1.39
Min Ch El (m)	797.45	Shear (N/m2)	19.78	235.12	47.46
Alpha	1.02	Stream Power (N/m s)	16.40	1014.80	70.48
Frctn Loss (m)	6.25	Cum Volume (1000 m3)	0.03	3.73	0.01
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.45	8.97	0.10

Plan: Plan 01 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=100

E.G. Elev (m)	799.21	Element	Left OB	Channel	Right OB
Vel Head (m)	1.14	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.07	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.39	Flow Area (m2)	0.06	6.87	0.26
E.G. Slope (m/m)	0.063275	Area (m2)	0.06	6.87	0.26
Q Total (m3/s)	33.27	Flow (m3/s)	0.08	32.71	0.48
Top Width (m)	19.19	Top Width (m)	0.76	16.00	2.42
Vel Total (m/s)	4.64	Avg. Vel. (m/s)	1.44	4.76	1.87
Max Chl Dpth (m)	0.62	Hydr. Depth (m)	0.07	0.43	0.11
Conv. Total (m3/s)	132.3	Conv. (m3/s)	0.3	130.0	1.9
Length Wtd. (m)	171.59	Wetted Per. (m)	0.78	16.03	2.43
Min Ch El (m)	797.45	Shear (N/m2)	44.23	265.74	65.28

Plan: Plan 01 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=100 (Continued)

Alpha	1.04	Stream Power (N/m s)	63.76	1266.00	121.99
Frctn Loss (m)	6.28	Cum Volume (1000 m3)	0.09	4.62	0.02
C & E Loss (m)	0.16	Cum SA (1000 m2)	0.71	9.18	0.24

Plan: Plan 01 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=500

E.G. Elev (m)	799.84	Element	Left OB	Channel	Right OB
Vel Head (m)	1.56	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.28	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.72	Flow Area (m2)	0.34	10.32	1.12
E.G. Slope (m/m)	0.051988	Area (m2)	0.34	10.32	1.12
Q Total (m3/s)	62.27	Flow (m3/s)	0.82	58.43	3.02
Top Width (m)	23.24	Top Width (m)	1.90	16.00	5.34
Vel Total (m/s)	5.28	Avg. Vel. (m/s)	2.40	5.66	2.68
Max Chl Dpth (m)	0.83	Hydr. Depth (m)	0.18	0.64	0.21
Conv. Total (m3/s)	273.1	Conv. (m3/s)	3.6	256.3	13.2
Length Wtd. (m)	171.28	Wetted Per. (m)	1.93	16.03	5.36
Min Ch El (m)	797.45	Shear (N/m2)	90.33	328.02	106.94
Alpha	1.09	Stream Power (N/m s)	216.56	1858.01	286.94
Frctn Loss (m)	6.28	Cum Volume (1000 m3)	0.35	6.85	0.12
C & E Loss (m)	0.18	Cum SA (1000 m2)	1.53	9.63	0.60

Plan: Plan 01 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=2

E.G. Elev (m)	791.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	791.58	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	791.59	Flow Area (m2)		1.29	
E.G. Slope (m/m)	0.019567	Area (m2)		1.29	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	8.04	Top Width (m)		8.04	
Vel Total (m/s)	1.37	Avg. Vel. (m/s)		1.37	
Max Chl Dpth (m)	0.29	Hydr. Depth (m)		0.16	
Conv. Total (m3/s)	12.6	Conv. (m3/s)		12.6	
Length Wtd. (m)	178.52	Wetted Per. (m)		8.07	
Min Ch El (m)	791.29	Shear (N/m2)		30.54	
Alpha	1.00	Stream Power (N/m s)		41.83	
Frctn Loss (m)	7.16	Cum Volume (1000 m3)		0.37	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.39	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=5

E.G. Elev (m)	791.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	791.75	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	791.77	Flow Area (m2)		2.91	
E.G. Slope (m/m)	0.020211	Area (m2)		2.91	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	14.20	Top Width (m)		14.20	
Vel Total (m/s)	1.64	Avg. Vel. (m/s)		1.64	
Max Chl Dpth (m)	0.46	Hydr. Depth (m)		0.20	
Conv. Total (m3/s)	33.6	Conv. (m3/s)		33.6	
Length Wtd. (m)	178.52	Wetted Per. (m)		14.25	
Min Ch El (m)	791.29	Shear (N/m2)		40.40	
Alpha	1.00	Stream Power (N/m s)		66.32	
Frctn Loss (m)	6.97	Cum Volume (1000 m3)		0.78	
C & E Loss (m)	0.05	Cum SA (1000 m2)		3.44	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=10

E.G. Elev (m)	792.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	791.85	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	791.89	Flow Area (m2)		4.37	
E.G. Slope (m/m)	0.020643	Area (m2)		4.37	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	15.05	Top Width (m)		15.05	
Vel Total (m/s)	2.09	Avg. Vel. (m/s)		2.09	
Max Chl Dpth (m)	0.56	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	63.7	Conv. (m3/s)		63.7	
Length Wtd. (m)	178.52	Wetted Per. (m)		15.13	
Min Ch El (m)	791.29	Shear (N/m2)		58.48	
Alpha	1.00	Stream Power (N/m s)		122.40	
Frctn Loss (m)	6.78	Cum Volume (1000 m3)		1.24	
C & E Loss (m)	0.07	Cum SA (1000 m2)		3.97	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=25

E.G. Elev (m)	792.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.		0.030	
W.S. Elev (m)	791.98	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.06	Flow Area (m2)		6.40	
E.G. Slope (m/m)	0.021184	Area (m2)		6.40	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	16.16	Top Width (m)		16.16	
Vel Total (m/s)	2.61	Avg. Vel. (m/s)		2.61	
Max Chl Dpth (m)	0.69	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	114.6	Conv. (m3/s)		114.6	
Length Wtd. (m)	178.52	Wetted Per. (m)		16.27	
Min Ch El (m)	791.29	Shear (N/m2)		81.74	
Alpha	1.00	Stream Power (N/m s)		212.94	
Frctn Loss (m)	6.74	Cum Volume (1000 m3)		1.97	
C & E Loss (m)	0.07	Cum SA (1000 m2)		5.31	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=50

E.G. Elev (m)	792.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.		0.030	
W.S. Elev (m)	792.07	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.19	Flow Area (m2)		7.97	
E.G. Slope (m/m)	0.022236	Area (m2)		7.97	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	
Top Width (m)	16.96	Top Width (m)		16.96	
Vel Total (m/s)	2.99	Avg. Vel. (m/s)		2.99	
Max Chl Dpth (m)	0.78	Hydr. Depth (m)		0.47	
Conv. Total (m3/s)	159.7	Conv. (m3/s)		159.7	
Length Wtd. (m)	178.52	Wetted Per. (m)		17.10	
Min Ch El (m)	791.29	Shear (N/m2)		101.62	
Alpha	1.00	Stream Power (N/m s)		303.61	
Frctn Loss (m)	6.77	Cum Volume (1000 m3)	0.03	2.58	0.00
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.42	6.14	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=100

E.G. Elev (m)	792.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.59	Wt. n-Val.		0.030	
W.S. Elev (m)	792.18	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.34	Flow Area (m2)		9.76	
E.G. Slope (m/m)	0.023804	Area (m2)		9.76	
Q Total (m3/s)	33.27	Flow (m3/s)		33.27	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=100 (Continued)

Top Width (m)	17.93	Top Width (m)		17.93	
Vel Total (m/s)	3.41	Avg. Vel. (m/s)		3.41	
Max Chl Dpth (m)	0.88	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	215.6	Conv. (m3/s)		215.6	
Length Wtd. (m)	178.52	Wetted Per. (m)		18.09	
Min Ch El (m)	791.29	Shear (N/m2)		125.95	
Alpha	1.00	Stream Power (N/m s)		429.29	
Frctn Loss (m)	6.71	Cum Volume (1000 m3)	0.08	3.19	0.00
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.63	6.26	0.06

Plan: Plan 01 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=500

E.G. Elev (m)	793.38	Element	Left OB	Channel	Right OB
Vel Head (m)	0.97	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	792.41	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.70	Flow Area (m2)	0.01	14.27	
E.G. Slope (m/m)	0.027231	Area (m2)	0.01	14.27	0.00
Q Total (m3/s)	62.27	Flow (m3/s)	0.01	62.26	
Top Width (m)	20.17	Top Width (m)	0.16	20.00	0.01
Vel Total (m/s)	4.36	Avg. Vel. (m/s)	0.73	4.36	
Max Chl Dpth (m)	1.12	Hydr. Depth (m)	0.06	0.71	
Conv. Total (m3/s)	377.4	Conv. (m3/s)	0.0	377.3	
Length Wtd. (m)	178.47	Wetted Per. (m)	0.20	20.19	
Min Ch El (m)	791.29	Shear (N/m2)	12.92	188.69	
Alpha	1.00	Stream Power (N/m s)	9.43	823.40	
Frctn Loss (m)	6.58	Cum Volume (1000 m3)	0.31	4.74	0.04
C & E Loss (m)	0.08	Cum SA (1000 m2)	1.33	6.54	0.21

Plan: Plan 01 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=2

E.G. Elev (m)	784.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.		0.030	
W.S. Elev (m)	784.09	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.20	Flow Area (m2)		0.63	
E.G. Slope (m/m)	0.123985	Area (m2)		0.63	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	5.37	Top Width (m)		5.37	
Vel Total (m/s)	2.80	Avg. Vel. (m/s)		2.80	
Max Chl Dpth (m)	0.27	Hydr. Depth (m)		0.12	
Conv. Total (m3/s)	5.0	Conv. (m3/s)		5.0	
Length Wtd. (m)	176.94	Wetted Per. (m)		5.41	
Min Ch El (m)	783.82	Shear (N/m2)		141.50	
Alpha	1.00	Stream Power (N/m s)		395.91	
Frctn Loss (m)	10.50	Cum Volume (1000 m3)		0.20	
C & E Loss (m)	0.05	Cum SA (1000 m2)		1.19	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=5

E.G. Elev (m)	784.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.66	Wt. n-Val.		0.030	
W.S. Elev (m)	784.21	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.39	Flow Area (m2)		1.33	
E.G. Slope (m/m)	0.104672	Area (m2)		1.33	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	6.84	Top Width (m)		6.84	
Vel Total (m/s)	3.59	Avg. Vel. (m/s)		3.59	
Max Chl Dpth (m)	0.39	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	14.7	Conv. (m3/s)		14.7	
Length Wtd. (m)	176.94	Wetted Per. (m)		6.90	
Min Ch El (m)	783.82	Shear (N/m2)		197.50	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		709.89	
Frctn Loss (m)	10.45	Cum Volume (1000 m3)		0.40	
C & E Loss (m)	0.06	Cum SA (1000 m2)		1.57	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=10

E.G. Elev (m)	785.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.90	Wt. n-Val.		0.030	
W.S. Elev (m)	784.32	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.58	Flow Area (m2)		2.18	
E.G. Slope (m/m)	0.091664	Area (m2)		2.18	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	7.99	Top Width (m)		7.99	
Vel Total (m/s)	4.21	Avg. Vel. (m/s)		4.21	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	30.2	Conv. (m3/s)		30.2	
Length Wtd. (m)	176.94	Wetted Per. (m)		8.08	
Min Ch El (m)	783.82	Shear (N/m2)		241.90	
Alpha	1.00	Stream Power (N/m s)		1017.58	
Frctn Loss (m)	10.41	Cum Volume (1000 m3)		0.65	
C & E Loss (m)	0.06	Cum SA (1000 m2)		1.91	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=25

E.G. Elev (m)	785.52	Element	Left OB	Channel	Right OB
Vel Head (m)	1.04	Wt. n-Val.		0.030	
W.S. Elev (m)	784.48	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.75	Flow Area (m2)		3.69	
E.G. Slope (m/m)	0.085206	Area (m2)		3.69	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	11.54	Top Width (m)		11.54	
Vel Total (m/s)	4.51	Avg. Vel. (m/s)		4.51	
Max Chl Dpth (m)	0.66	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	57.1	Conv. (m3/s)		57.1	
Length Wtd. (m)	176.94	Wetted Per. (m)		11.69	
Min Ch El (m)	783.82	Shear (N/m2)		264.11	
Alpha	1.00	Stream Power (N/m s)		1192.43	
Frctn Loss (m)	10.27	Cum Volume (1000 m3)		1.07	
C & E Loss (m)	0.02	Cum SA (1000 m2)		2.84	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=50

E.G. Elev (m)	785.69	Element	Left OB	Channel	Right OB
Vel Head (m)	1.10	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.59	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.89	Flow Area (m2)	0.00	5.13	
E.G. Slope (m/m)	0.078877	Area (m2)	0.00	5.13	
Q Total (m3/s)	23.81	Flow (m3/s)	0.00	23.81	
Top Width (m)	14.60	Top Width (m)	0.10	14.50	
Vel Total (m/s)	4.64	Avg. Vel. (m/s)	0.54	4.64	
Max Chl Dpth (m)	0.77	Hydr. Depth (m)	0.01	0.35	
Conv. Total (m3/s)	84.8	Conv. (m3/s)	0.0	84.8	
Length Wtd. (m)	176.97	Wetted Per. (m)	0.10	14.69	
Min Ch El (m)	783.82	Shear (N/m2)	10.81	270.08	
Alpha	1.00	Stream Power (N/m s)	5.87	1253.70	
Frctn Loss (m)	10.09	Cum Volume (1000 m3)	0.03	1.41	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.41	3.33	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=100

E.G. Elev (m)	785.99	Element	Left OB	Channel	Right OB
Vel Head (m)	1.30	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.69	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	785.05	Flow Area (m2)	0.03	6.58	
E.G. Slope (m/m)	0.067985	Area (m2)	0.03	6.58	
Q Total (m3/s)	33.27	Flow (m3/s)	0.04	33.23	
Top Width (m)	15.09	Top Width (m)	0.44	14.64	
Vel Total (m/s)	5.03	Avg. Vel. (m/s)	1.36	5.05	
Max Chl Dpth (m)	0.87	Hydr. Depth (m)	0.06	0.45	
Conv. Total (m3/s)	127.6	Conv. (m3/s)	0.1	127.5	
Length Wtd. (m)	177.03	Wetted Per. (m)	0.46	14.86	
Min Ch El (m)	783.82	Shear (N/m2)	41.22	295.24	
Alpha	1.01	Stream Power (N/m s)	56.01	1490.80	
Frctn Loss (m)	9.88	Cum Volume (1000 m3)	0.08	1.73	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.59	3.36	0.06

Plan: Plan 01 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=500

E.G. Elev (m)	786.72	Element	Left OB	Channel	Right OB
Vel Head (m)	1.77	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.95	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	785.45	Flow Area (m2)	0.26	10.41	
E.G. Slope (m/m)	0.052774	Area (m2)	0.26	10.41	
Q Total (m3/s)	62.27	Flow (m3/s)	0.64	61.63	
Top Width (m)	16.34	Top Width (m)	1.33	15.00	
Vel Total (m/s)	5.84	Avg. Vel. (m/s)	2.49	5.92	
Max Chl Dpth (m)	1.13	Hydr. Depth (m)	0.19	0.69	
Conv. Total (m3/s)	271.1	Conv. (m3/s)	2.8	268.3	
Length Wtd. (m)	177.19	Wetted Per. (m)	1.39	15.30	
Min Ch El (m)	783.82	Shear (N/m2)	96.15	351.92	
Alpha	1.02	Stream Power (N/m s)	239.72	2083.87	
Frctn Loss (m)	9.35	Cum Volume (1000 m3)	0.29	2.54	0.04
C & E Loss (m)	0.08	Cum SA (1000 m2)	1.20	3.42	0.21

Plan: Plan 01 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=2

E.G. Elev (m)	773.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	773.70	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	773.78	Flow Area (m2)		0.80	
E.G. Slope (m/m)	0.034669	Area (m2)		0.80	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	3.66	Top Width (m)		3.66	
Vel Total (m/s)	2.21	Avg. Vel. (m/s)		2.21	
Max Chl Dpth (m)	0.32	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	9.5	Conv. (m3/s)		9.5	
Length Wtd. (m)	128.88	Wetted Per. (m)		3.75	
Min Ch El (m)	773.38	Shear (N/m2)		72.17	
Alpha	1.00	Stream Power (N/m s)		159.39	
Frctn Loss (m)	11.35	Cum Volume (1000 m3)		0.07	
C & E Loss (m)	0.16	Cum SA (1000 m2)		0.39	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=5

E.G. Elev (m)	774.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.47	Wt. n-Val.		0.030	
W.S. Elev (m)	773.89	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.04	Flow Area (m2)		1.57	
E.G. Slope (m/m)	0.037887	Area (m2)		1.57	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=5 (Continued)

Top Width (m)	4.73	Top Width (m)		4.73	
Vel Total (m/s)	3.04	Avg. Vel. (m/s)		3.04	
Max Chl Dpth (m)	0.51	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	24.5	Conv. (m3/s)		24.5	
Length Wtd. (m)	128.88	Wetted Per. (m)		4.89	
Min Ch El (m)	773.38	Shear (N/m2)		119.25	
Alpha	1.00	Stream Power (N/m s)		362.70	
Frctn Loss (m)	11.16	Cum Volume (1000 m3)		0.15	
C & E Loss (m)	0.18	Cum SA (1000 m2)		0.54	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=10

E.G. Elev (m)	774.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.70	Wt. n-Val.		0.030	
W.S. Elev (m)	774.06	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.28	Flow Area (m2)		2.47	
E.G. Slope (m/m)	0.040922	Area (m2)		2.47	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	5.83	Top Width (m)		5.83	
Vel Total (m/s)	3.71	Avg. Vel. (m/s)		3.71	
Max Chl Dpth (m)	0.68	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	45.2	Conv. (m3/s)		45.2	
Length Wtd. (m)	128.88	Wetted Per. (m)		6.04	
Min Ch El (m)	773.38	Shear (N/m2)		163.80	
Alpha	1.00	Stream Power (N/m s)		607.77	
Frctn Loss (m)	11.05	Cum Volume (1000 m3)		0.24	
C & E Loss (m)	0.19	Cum SA (1000 m2)		0.69	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=25

E.G. Elev (m)	775.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.96	Wt. n-Val.		0.030	
W.S. Elev (m)	774.27	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.58	Flow Area (m2)		3.84	
E.G. Slope (m/m)	0.042052	Area (m2)		3.84	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	7.28	Top Width (m)		7.28	
Vel Total (m/s)	4.35	Avg. Vel. (m/s)		4.35	
Max Chl Dpth (m)	0.89	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	81.3	Conv. (m3/s)		81.3	
Length Wtd. (m)	128.88	Wetted Per. (m)		7.56	
Min Ch El (m)	773.38	Shear (N/m2)		209.19	
Alpha	1.00	Stream Power (N/m s)		909.51	
Frctn Loss (m)	11.62	Cum Volume (1000 m3)		0.40	
C & E Loss (m)	0.14	Cum SA (1000 m2)		1.17	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=50

E.G. Elev (m)	775.59	Element	Left OB	Channel	Right OB
Vel Head (m)	1.19	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	774.40	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.79	Flow Area (m2)	0.18	4.87	
E.G. Slope (m/m)	0.043132	Area (m2)	0.18	4.87	0.00
Q Total (m3/s)	23.81	Flow (m3/s)	0.21	23.60	
Top Width (m)	10.47	Top Width (m)	2.47	8.00	
Vel Total (m/s)	4.72	Avg. Vel. (m/s)	1.19	4.85	
Max Chl Dpth (m)	1.02	Hydr. Depth (m)	0.07	0.61	
Conv. Total (m3/s)	114.6	Conv. (m3/s)	1.0	113.6	
Length Wtd. (m)	128.83	Wetted Per. (m)	2.47	8.30	
Min Ch El (m)	773.38	Shear (N/m2)	30.22	247.97	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=50 (Continued)

Alpha	1.05	Stream Power (N/m s)	36.02	1202.43	
Frctn Loss (m)	11.61	Cum Volume (1000 m3)	0.01	0.53	0.00
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.18	1.34	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=100

E.G. Elev (m)	776.08	Element	Left OB	Channel	Right OB
Vel Head (m)	1.57	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.51	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.98	Flow Area (m2)	0.48	5.74	0.02
E.G. Slope (m/m)	0.046623	Area (m2)	0.48	5.74	0.02
Q Total (m3/s)	33.27	Flow (m3/s)	0.99	32.26	0.02
Top Width (m)	11.60	Top Width (m)	3.19	8.00	0.41
Vel Total (m/s)	5.33	Avg. Vel. (m/s)	2.04	5.62	1.01
Max Chl Dpth (m)	1.13	Hydr. Depth (m)	0.15	0.72	0.05
Conv. Total (m3/s)	154.1	Conv. (m3/s)	4.6	149.4	0.1
Length Wtd. (m)	128.69	Wetted Per. (m)	3.20	8.30	0.42
Min Ch El (m)	773.38	Shear (N/m2)	69.03	315.87	24.06
Alpha	1.08	Stream Power (N/m s)	140.87	1776.72	24.31
Frctn Loss (m)	11.63	Cum Volume (1000 m3)	0.03	0.64	0.00
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.26	1.35	0.03

Plan: Plan 01 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=500

E.G. Elev (m)	777.29	Element	Left OB	Channel	Right OB
Vel Head (m)	2.53	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.76	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	775.42	Flow Area (m2)	1.58	7.75	0.25
E.G. Slope (m/m)	0.052810	Area (m2)	1.58	7.75	0.25
Q Total (m3/s)	62.27	Flow (m3/s)	4.93	56.75	0.59
Top Width (m)	15.37	Top Width (m)	6.00	8.00	1.36
Vel Total (m/s)	6.50	Avg. Vel. (m/s)	3.13	7.32	2.39
Max Chl Dpth (m)	1.38	Hydr. Depth (m)	0.26	0.97	0.18
Conv. Total (m3/s)	271.0	Conv. (m3/s)	21.5	246.9	2.6
Length Wtd. (m)	128.35	Wetted Per. (m)	6.03	8.30	1.41
Min Ch El (m)	773.38	Shear (N/m2)	135.33	483.69	90.39
Alpha	1.17	Stream Power (N/m s)	423.69	3540.16	216.25
Frctn Loss (m)	11.65	Cum Volume (1000 m3)	0.12	0.93	0.02
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.53	1.38	0.09

Plan: Plan 01 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=2

E.G. Elev (m)	762.44	Element	Left OB	Channel	Right OB
Vel Head (m)	1.81	Wt. n-Val.		0.030	
W.S. Elev (m)	760.64	Reach Len. (m)			
Crit W.S. (m)	760.87	Flow Area (m2)		0.30	
E.G. Slope (m/m)	0.534404	Area (m2)		0.30	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	2.40	Top Width (m)		2.40	
Vel Total (m/s)	5.95	Avg. Vel. (m/s)		5.95	
Max Chl Dpth (m)	0.25	Hydr. Depth (m)		0.12	
Conv. Total (m3/s)	2.4	Conv. (m3/s)		2.4	
Length Wtd. (m)		Wetted Per. (m)		2.45	
Min Ch El (m)	760.39	Shear (N/m2)		632.72	
Alpha	1.00	Stream Power (N/m s)		3766.28	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=5

E.G. Elev (m)	763.02	Element	Left OB	Channel	Right OB
Vel Head (m)	2.24	Wt. n-Val.		0.030	
W.S. Elev (m)	760.77	Reach Len. (m)			
Crit W.S. (m)	761.15	Flow Area (m2)		0.72	
E.G. Slope (m/m)	0.363678	Area (m2)		0.72	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	3.71	Top Width (m)		3.71	
Vel Total (m/s)	6.63	Avg. Vel. (m/s)		6.63	
Max Chl Dpth (m)	0.38	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	7.9	Conv. (m3/s)		7.9	
Length Wtd. (m)		Wetted Per. (m)		3.79	
Min Ch El (m)	760.39	Shear (N/m2)		676.27	
Alpha	1.00	Stream Power (N/m s)		4486.97	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=10

E.G. Elev (m)	763.52	Element	Left OB	Channel	Right OB
Vel Head (m)	2.61	Wt. n-Val.		0.030	
W.S. Elev (m)	760.91	Reach Len. (m)			
Crit W.S. (m)	761.29	Flow Area (m2)		1.28	
E.G. Slope (m/m)	0.280881	Area (m2)		1.28	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	4.84	Top Width (m)		4.84	
Vel Total (m/s)	7.16	Avg. Vel. (m/s)		7.16	
Max Chl Dpth (m)	0.52	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	17.3	Conv. (m3/s)		17.3	
Length Wtd. (m)		Wetted Per. (m)		4.96	
Min Ch El (m)	760.39	Shear (N/m2)		710.43	
Alpha	1.00	Stream Power (N/m s)		5085.35	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=25

E.G. Elev (m)	763.47	Element	Left OB	Channel	Right OB
Vel Head (m)	2.37	Wt. n-Val.		0.030	
W.S. Elev (m)	761.10	Reach Len. (m)			
Crit W.S. (m)	761.47	Flow Area (m2)		2.45	
E.G. Slope (m/m)	0.314105	Area (m2)		2.45	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	10.93	Top Width (m)		10.93	
Vel Total (m/s)	6.82	Avg. Vel. (m/s)		6.82	
Max Chl Dpth (m)	0.71	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	29.8	Conv. (m3/s)		29.8	
Length Wtd. (m)		Wetted Per. (m)		11.10	
Min Ch El (m)	760.39	Shear (N/m2)		678.88	
Alpha	1.00	Stream Power (N/m s)		4627.45	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=50

E.G. Elev (m)	763.83	Element	Left OB	Channel	Right OB
Vel Head (m)	2.66	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.17	Reach Len. (m)			
Crit W.S. (m)	761.61	Flow Area (m2)	0.02	3.29	
E.G. Slope (m/m)	0.293112	Area (m2)	0.02	3.29	
Q Total (m3/s)	23.81	Flow (m3/s)	0.03	23.78	

Plan: Plan 01 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=50 (Continued)

Top Width (m)	13.35	Top Width (m)	0.55	12.80	
Vel Total (m/s)	7.20	Avg. Vel. (m/s)	1.76	7.23	
Max Chl Dpth (m)	0.78	Hydr. Depth (m)	0.03	0.26	
Conv. Total (m3/s)	44.0	Conv. (m3/s)	0.1	43.9	
Length Wtd. (m)		Wetted Per. (m)	0.56	12.99	
Min Ch El (m)	760.39	Shear (N/m2)	87.69	728.33	
Alpha	1.01	Stream Power (N/m s)	154.51	5263.20	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=100

E.G. Elev (m)	764.30	Element	Left OB	Channel	Right OB
Vel Head (m)	3.05	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.25	Reach Len. (m)			
Crit W.S. (m)	761.76	Flow Area (m2)	0.08	4.26	
E.G. Slope (m/m)	0.244678	Area (m2)	0.08	4.26	
Q Total (m3/s)	33.27	Flow (m3/s)	0.23	33.04	
Top Width (m)	14.21	Top Width (m)	1.23	12.98	
Vel Total (m/s)	7.66	Avg. Vel. (m/s)	2.74	7.76	
Max Chl Dpth (m)	0.86	Hydr. Depth (m)	0.07	0.33	
Conv. Total (m3/s)	67.3	Conv. (m3/s)	0.5	66.8	
Length Wtd. (m)		Wetted Per. (m)	1.24	13.18	
Min Ch El (m)	760.39	Shear (N/m2)	162.64	774.80	
Alpha	1.02	Stream Power (N/m s)	445.82	6012.91	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=500

E.G. Elev (m)	765.49	Element	Left OB	Channel	Right OB
Vel Head (m)	4.06	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.43	Reach Len. (m)			
Crit W.S. (m)	762.20	Flow Area (m2)	0.46	6.67	
E.G. Slope (m/m)	0.191101	Area (m2)	0.46	6.67	
Q Total (m3/s)	62.27	Flow (m3/s)	1.96	60.31	
Top Width (m)	16.36	Top Width (m)	2.93	13.43	
Vel Total (m/s)	8.73	Avg. Vel. (m/s)	4.24	9.04	
Max Chl Dpth (m)	1.04	Hydr. Depth (m)	0.16	0.50	
Conv. Total (m3/s)	142.4	Conv. (m3/s)	4.5	138.0	
Length Wtd. (m)		Wetted Per. (m)	2.95	13.67	
Min Ch El (m)	760.39	Shear (N/m2)	293.75	915.17	
Alpha	1.05	Stream Power (N/m s)	1244.39	8269.83	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 07 ArroyoPoeillo 1 RS: 801.0359 Profile: T=2

E.G. Elev (m)	816.89	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	816.88	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	816.88	Flow Area (m2)		0.29	
E.G. Slope (m/m)	0.017040	Area (m2)		0.29	
Q Total (m3/s)	0.13	Flow (m3/s)		0.13	
Top Width (m)	8.91	Top Width (m)		8.91	
Vel Total (m/s)	0.45	Avg. Vel. (m/s)		0.45	
Max Chl Dpth (m)	0.06	Hydr. Depth (m)		0.03	
Conv. Total (m3/s)	1.0	Conv. (m3/s)		1.0	
Length Wtd. (m)	95.85	Wetted Per. (m)		8.91	
Min Ch El (m)	816.82	Shear (N/m2)		5.47	
Alpha	1.00	Stream Power (N/m s)		2.44	
Frctn Loss (m)	1.83	Cum Volume (1000 m3)		0.13	
C & E Loss (m)	0.00	Cum SA (1000 m2)		2.25	

Plan: Plan 07 ArroyoPoeillo 1 RS: 801.0359 Profile: T=5

E.G. Elev (m)	816.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	816.95	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	816.94	Flow Area (m2)		1.09	
E.G. Slope (m/m)	0.018358	Area (m2)		1.09	
Q Total (m3/s)	0.90	Flow (m3/s)		0.90	
Top Width (m)	13.79	Top Width (m)		13.79	
Vel Total (m/s)	0.83	Avg. Vel. (m/s)		0.83	
Max Chl Dpth (m)	0.13	Hydr. Depth (m)		0.08	
Conv. Total (m3/s)	6.6	Conv. (m3/s)		6.6	
Length Wtd. (m)	95.85	Wetted Per. (m)		13.79	
Min Ch El (m)	816.82	Shear (N/m2)		14.16	
Alpha	1.00	Stream Power (N/m s)		11.75	
Frctn Loss (m)	1.79	Cum Volume (1000 m3)	0.00	0.56	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	3.97	

Plan: Plan 07 ArroyoPoeillo 1 RS: 801.0359 Profile: T=10

E.G. Elev (m)	817.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	
W.S. Elev (m)	817.00	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.00	Flow Area (m2)		1.88	
E.G. Slope (m/m)	0.018220	Area (m2)		1.88	
Q Total (m3/s)	2.06	Flow (m3/s)		2.06	
Top Width (m)	15.57	Top Width (m)		15.57	
Vel Total (m/s)	1.10	Avg. Vel. (m/s)		1.10	
Max Chl Dpth (m)	0.18	Hydr. Depth (m)		0.12	
Conv. Total (m3/s)	15.3	Conv. (m3/s)		15.3	
Length Wtd. (m)	95.85	Wetted Per. (m)		15.58	
Min Ch El (m)	816.82	Shear (N/m2)		21.53	
Alpha	1.00	Stream Power (N/m s)		23.63	
Frctn Loss (m)	1.72	Cum Volume (1000 m3)	0.00	1.08	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.04	5.54	0.01

Plan: Plan 07 ArroyoPoeillo 1 RS: 801.0359 Profile: T=25

E.G. Elev (m)	817.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	817.07	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.07	Flow Area (m2)		3.08	
E.G. Slope (m/m)	0.015869	Area (m2)		3.08	
Q Total (m3/s)	4.07	Flow (m3/s)		4.07	

Plan: Plan 07 ArroyoPoeillo 1 RS: 801.0359 Profile: T=25 (Continued)

Top Width (m)	17.43	Top Width (m)		17.43	
Vel Total (m/s)	1.32	Avg. Vel. (m/s)		1.32	
Max Chl Dpth (m)	0.25	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	32.3	Conv. (m3/s)		32.3	
Length Wtd. (m)	95.85	Wetted Per. (m)		17.44	
Min Ch El (m)	816.82	Shear (N/m2)		27.48	
Alpha	1.00	Stream Power (N/m s)		36.31	
Frctn Loss (m)	1.51	Cum Volume (1000 m3)	0.01	1.83	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.07	6.81	0.02

Plan: Plan 07 ArroyoPoeillo 1 RS: 801.0359 Profile: T=50

E.G. Elev (m)	817.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	817.13	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.13	Flow Area (m2)		4.04	
E.G. Slope (m/m)	0.014896	Area (m2)		4.04	
Q Total (m3/s)	5.97	Flow (m3/s)		5.97	
Top Width (m)	18.45	Top Width (m)		18.45	
Vel Total (m/s)	1.48	Avg. Vel. (m/s)		1.48	
Max Chl Dpth (m)	0.31	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	48.9	Conv. (m3/s)		48.9	
Length Wtd. (m)	95.85	Wetted Per. (m)		18.47	
Min Ch El (m)	816.82	Shear (N/m2)		31.96	
Alpha	1.00	Stream Power (N/m s)		47.21	
Frctn Loss (m)	1.45	Cum Volume (1000 m3)	0.03	2.53	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.46	8.77	0.04

Plan: Plan 07 ArroyoPoeillo 1 RS: 801.0359 Profile: T=100

E.G. Elev (m)	817.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	817.19	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.19	Flow Area (m2)		5.20	
E.G. Slope (m/m)	0.013870	Area (m2)		5.20	
Q Total (m3/s)	8.49	Flow (m3/s)		8.49	
Top Width (m)	19.36	Top Width (m)		19.36	
Vel Total (m/s)	1.63	Avg. Vel. (m/s)		1.63	
Max Chl Dpth (m)	0.37	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	72.1	Conv. (m3/s)		72.1	
Length Wtd. (m)	95.85	Wetted Per. (m)		19.40	
Min Ch El (m)	816.82	Shear (N/m2)		36.47	
Alpha	1.00	Stream Power (N/m s)		59.54	
Frctn Loss (m)	1.34	Cum Volume (1000 m3)	0.11	3.28	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.00	9.36	0.06

Plan: Plan 07 ArroyoPoeillo 1 RS: 801.0359 Profile: T=500

E.G. Elev (m)	817.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	817.34	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.34	Flow Area (m2)		8.23	
E.G. Slope (m/m)	0.012378	Area (m2)		8.23	
Q Total (m3/s)	16.09	Flow (m3/s)		16.09	
Top Width (m)	21.45	Top Width (m)		21.45	
Vel Total (m/s)	1.95	Avg. Vel. (m/s)		1.95	
Max Chl Dpth (m)	0.52	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	144.6	Conv. (m3/s)		144.6	
Length Wtd. (m)	95.86	Wetted Per. (m)		21.51	
Min Ch El (m)	816.82	Shear (N/m2)		46.45	

Plan: Plan 07 ArroyoPoeillo 1 RS: 801.0359 Profile: T=500 (Continued)

Alpha	1.00	Stream Power (N/m s)		90.79	
Frctn Loss (m)	1.16	Cum Volume (1000 m3)	0.27	5.22	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.37	10.52	0.08

Plan: Plan 07 ArroyoPoeillo 1 RS: 705.1880 Profile: T=2

E.G. Elev (m)	815.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	815.04	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.04	Flow Area (m2)		0.22	
E.G. Slope (m/m)	0.021601	Area (m2)		0.22	
Q Total (m3/s)	0.13	Flow (m3/s)		0.13	
Top Width (m)	5.30	Top Width (m)		5.30	
Vel Total (m/s)	0.59	Avg. Vel. (m/s)		0.59	
Max Chl Dpth (m)	0.11	Hydr. Depth (m)		0.04	
Conv. Total (m3/s)	0.9	Conv. (m3/s)		0.9	
Length Wtd. (m)	74.75	Wetted Per. (m)		5.31	
Min Ch El (m)	814.93	Shear (N/m2)		8.82	
Alpha	1.00	Stream Power (N/m s)		5.19	
Frctn Loss (m)	1.63	Cum Volume (1000 m3)		0.10	
C & E Loss (m)	0.00	Cum SA (1000 m2)		1.56	

Plan: Plan 07 ArroyoPoeillo 1 RS: 705.1880 Profile: T=5

E.G. Elev (m)	815.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	815.14	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.14	Flow Area (m2)		0.87	
E.G. Slope (m/m)	0.019039	Area (m2)		0.87	
Q Total (m3/s)	0.90	Flow (m3/s)		0.90	
Top Width (m)	8.17	Top Width (m)		8.17	
Vel Total (m/s)	1.03	Avg. Vel. (m/s)		1.03	
Max Chl Dpth (m)	0.21	Hydr. Depth (m)		0.11	
Conv. Total (m3/s)	6.5	Conv. (m3/s)		6.5	
Length Wtd. (m)	74.75	Wetted Per. (m)		8.19	
Min Ch El (m)	814.93	Shear (N/m2)		19.87	
Alpha	1.00	Stream Power (N/m s)		20.52	
Frctn Loss (m)	1.36	Cum Volume (1000 m3)	0.00	0.47	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	2.92	

Plan: Plan 07 ArroyoPoeillo 1 RS: 705.1880 Profile: T=10

E.G. Elev (m)	815.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	815.23	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.23	Flow Area (m2)		1.75	
E.G. Slope (m/m)	0.017743	Area (m2)		1.75	
Q Total (m3/s)	2.06	Flow (m3/s)		2.06	
Top Width (m)	12.71	Top Width (m)		12.71	
Vel Total (m/s)	1.18	Avg. Vel. (m/s)		1.18	
Max Chl Dpth (m)	0.30	Hydr. Depth (m)		0.14	
Conv. Total (m3/s)	15.5	Conv. (m3/s)		15.5	
Length Wtd. (m)	74.75	Wetted Per. (m)		12.74	
Min Ch El (m)	814.93	Shear (N/m2)		23.84	
Alpha	1.00	Stream Power (N/m s)		28.13	
Frctn Loss (m)	1.27	Cum Volume (1000 m3)	0.00	0.90	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.04	4.19	0.01

Plan: Plan 07 ArroyoPoeillo 1 RS: 705.1880 Profile: T=25

E.G. Elev (m)	815.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	815.31	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.31	Flow Area (m2)		2.89	
E.G. Slope (m/m)	0.015710	Area (m2)		2.89	
Q Total (m3/s)	4.07	Flow (m3/s)		4.07	
Top Width (m)	14.75	Top Width (m)		14.75	
Vel Total (m/s)	1.41	Avg. Vel. (m/s)		1.41	
Max Chl Dpth (m)	0.38	Hydr. Depth (m)		0.20	
Conv. Total (m3/s)	32.5	Conv. (m3/s)		32.5	
Length Wtd. (m)	74.75	Wetted Per. (m)		14.78	
Min Ch El (m)	814.93	Shear (N/m2)		30.13	
Alpha	1.00	Stream Power (N/m s)		42.42	
Frctn Loss (m)	1.15	Cum Volume (1000 m3)	0.01	1.54	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.07	5.26	0.02

Plan: Plan 07 ArroyoPoeillo 1 RS: 705.1880 Profile: T=50

E.G. Elev (m)	815.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	815.38	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.38	Flow Area (m2)		4.01	
E.G. Slope (m/m)	0.015263	Area (m2)		4.01	
Q Total (m3/s)	5.97	Flow (m3/s)		5.97	
Top Width (m)	18.40	Top Width (m)		18.40	
Vel Total (m/s)	1.49	Avg. Vel. (m/s)		1.49	
Max Chl Dpth (m)	0.45	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	48.3	Conv. (m3/s)		48.3	
Length Wtd. (m)	74.75	Wetted Per. (m)		18.44	
Min Ch El (m)	814.93	Shear (N/m2)		32.55	
Alpha	1.00	Stream Power (N/m s)		48.47	
Frctn Loss (m)	1.09	Cum Volume (1000 m3)	0.03	2.14	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.46	7.00	0.04

Plan: Plan 07 ArroyoPoeillo 1 RS: 705.1880 Profile: T=100

E.G. Elev (m)	815.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	815.44	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.44	Flow Area (m2)		5.22	
E.G. Slope (m/m)	0.014121	Area (m2)		5.22	
Q Total (m3/s)	8.49	Flow (m3/s)		8.49	
Top Width (m)	19.79	Top Width (m)		19.79	
Vel Total (m/s)	1.63	Avg. Vel. (m/s)		1.63	
Max Chl Dpth (m)	0.51	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	71.4	Conv. (m3/s)		71.4	
Length Wtd. (m)	74.75	Wetted Per. (m)		19.83	
Min Ch El (m)	814.93	Shear (N/m2)		36.44	
Alpha	1.00	Stream Power (N/m s)		59.27	
Frctn Loss (m)	1.02	Cum Volume (1000 m3)	0.11	2.78	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.00	7.48	0.06

Plan: Plan 07 ArroyoPoeillo 1 RS: 705.1880 Profile: T=500

E.G. Elev (m)	815.78	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.59	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.59	Flow Area (m2)	0.13	8.30	
E.G. Slope (m/m)	0.011800	Area (m2)	0.13	8.30	
Q Total (m3/s)	16.09	Flow (m3/s)	0.06	16.03	

Plan: Plan 07 ArroyoPoeillo 1 RS: 705.1880 Profile: T=500 (Continued)

Top Width (m)	23.85	Top Width (m)	2.58	21.27	
Vel Total (m/s)	1.91	Avg. Vel. (m/s)	0.49	1.93	
Max Chl Dpth (m)	0.66	Hydr. Depth (m)	0.05	0.39	
Conv. Total (m3/s)	148.1	Conv. (m3/s)	0.6	147.5	
Length Wtd. (m)	74.77	Wetted Per. (m)	2.58	21.34	
Min Ch El (m)	814.93	Shear (N/m2)	5.84	45.03	
Alpha	1.02	Stream Power (N/m s)	2.89	86.90	
Frctn Loss (m)	0.88	Cum Volume (1000 m3)	0.26	4.43	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.24	8.48	0.08

Plan: Plan 07 ArroyoPoeillo 1 RS: 630.4383 Profile: T=2

E.G. Elev (m)	813.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	813.40	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.40	Flow Area (m2)		0.16	
E.G. Slope (m/m)	0.021895	Area (m2)		0.16	
Q Total (m3/s)	0.13	Flow (m3/s)		0.13	
Top Width (m)	2.32	Top Width (m)		2.32	
Vel Total (m/s)	0.82	Avg. Vel. (m/s)		0.82	
Max Chl Dpth (m)	0.14	Hydr. Depth (m)		0.07	
Conv. Total (m3/s)	0.9	Conv. (m3/s)		0.9	
Length Wtd. (m)	84.46	Wetted Per. (m)		2.33	
Min Ch El (m)	813.26	Shear (N/m2)		14.58	
Alpha	1.00	Stream Power (N/m s)		11.97	
Frctn Loss (m)	1.78	Cum Volume (1000 m3)		0.09	
C & E Loss (m)	0.00	Cum SA (1000 m2)		1.28	

Plan: Plan 07 ArroyoPoeillo 1 RS: 630.4383 Profile: T=5

E.G. Elev (m)	813.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	813.56	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.56	Flow Area (m2)		0.77	
E.G. Slope (m/m)	0.017395	Area (m2)		0.77	
Q Total (m3/s)	0.90	Flow (m3/s)		0.90	
Top Width (m)	5.64	Top Width (m)		5.64	
Vel Total (m/s)	1.16	Avg. Vel. (m/s)		1.16	
Max Chl Dpth (m)	0.30	Hydr. Depth (m)		0.14	
Conv. Total (m3/s)	6.8	Conv. (m3/s)		6.8	
Length Wtd. (m)	84.46	Wetted Per. (m)		5.67	
Min Ch El (m)	813.26	Shear (N/m2)		23.25	
Alpha	1.00	Stream Power (N/m s)		27.07	
Frctn Loss (m)	1.41	Cum Volume (1000 m3)	0.00	0.40	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	2.40	

Plan: Plan 07 ArroyoPoeillo 1 RS: 630.4383 Profile: T=10

E.G. Elev (m)	813.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	813.67	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.67	Flow Area (m2)		1.67	
E.G. Slope (m/m)	0.016371	Area (m2)		1.67	
Q Total (m3/s)	2.06	Flow (m3/s)		2.06	
Top Width (m)	10.61	Top Width (m)		10.61	
Vel Total (m/s)	1.24	Avg. Vel. (m/s)		1.24	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.16	
Conv. Total (m3/s)	16.1	Conv. (m3/s)		16.1	
Length Wtd. (m)	84.46	Wetted Per. (m)		10.66	
Min Ch El (m)	813.26	Shear (N/m2)		25.08	

Plan: Plan 07 ArroyoPoeillo 1 RS: 630.4383 Profile: T=10 (Continued)

Alpha	1.00	Stream Power (N/m s)		31.03	
Frctn Loss (m)	1.29	Cum Volume (1000 m3)	0.00	0.77	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.04	3.31	0.01

Plan: Plan 07 ArroyoPoeillo 1 RS: 630.4383 Profile: T=25

E.G. Elev (m)	813.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	813.76	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.76	Flow Area (m2)		2.71	
E.G. Slope (m/m)	0.014969	Area (m2)		2.71	
Q Total (m3/s)	4.07	Flow (m3/s)		4.07	
Top Width (m)	12.05	Top Width (m)		12.05	
Vel Total (m/s)	1.50	Avg. Vel. (m/s)		1.50	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	33.3	Conv. (m3/s)		33.3	
Length Wtd. (m)	84.46	Wetted Per. (m)		12.11	
Min Ch El (m)	813.26	Shear (N/m2)		32.84	
Alpha	1.00	Stream Power (N/m s)		49.35	
Frctn Loss (m)	1.20	Cum Volume (1000 m3)	0.01	1.33	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.07	4.26	0.02

Plan: Plan 07 ArroyoPoeillo 1 RS: 630.4383 Profile: T=50

E.G. Elev (m)	813.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	813.84	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.84	Flow Area (m2)		3.61	
E.G. Slope (m/m)	0.013924	Area (m2)		3.61	
Q Total (m3/s)	5.97	Flow (m3/s)		5.97	
Top Width (m)	13.18	Top Width (m)		13.18	
Vel Total (m/s)	1.65	Avg. Vel. (m/s)		1.65	
Max Chl Dpth (m)	0.58	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	50.6	Conv. (m3/s)		50.6	
Length Wtd. (m)	84.46	Wetted Per. (m)		13.25	
Min Ch El (m)	813.26	Shear (N/m2)		37.22	
Alpha	1.00	Stream Power (N/m s)		61.53	
Frctn Loss (m)	1.12	Cum Volume (1000 m3)	0.03	1.86	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.46	5.82	0.04

Plan: Plan 07 ArroyoPoeillo 1 RS: 630.4383 Profile: T=100

E.G. Elev (m)	814.08	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	813.92	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.92	Flow Area (m2)		4.71	
E.G. Slope (m/m)	0.013136	Area (m2)		4.71	
Q Total (m3/s)	8.49	Flow (m3/s)		8.49	
Top Width (m)	14.47	Top Width (m)		14.47	
Vel Total (m/s)	1.80	Avg. Vel. (m/s)		1.80	
Max Chl Dpth (m)	0.66	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	74.1	Conv. (m3/s)		74.1	
Length Wtd. (m)	84.46	Wetted Per. (m)		14.55	
Min Ch El (m)	813.26	Shear (N/m2)		41.72	
Alpha	1.00	Stream Power (N/m s)		75.16	
Frctn Loss (m)	1.06	Cum Volume (1000 m3)	0.11	2.41	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.00	6.20	0.06

Plan: Plan 07 ArroyoPoeillo 1 RS: 630.4383 Profile: T=500

E.G. Elev (m)	814.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	814.10	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.10	Flow Area (m2)		7.63	
E.G. Slope (m/m)	0.011841	Area (m2)		7.63	
Q Total (m3/s)	16.09	Flow (m3/s)		16.09	
Top Width (m)	17.09	Top Width (m)		17.09	
Vel Total (m/s)	2.11	Avg. Vel. (m/s)		2.11	
Max Chl Dpth (m)	0.84	Hydr. Depth (m)		0.45	
Conv. Total (m3/s)	147.9	Conv. (m3/s)		147.9	
Length Wtd. (m)	84.46	Wetted Per. (m)		17.20	
Min Ch El (m)	813.26	Shear (N/m2)		51.49	
Alpha	1.00	Stream Power (N/m s)		108.59	
Frctn Loss (m)	0.95	Cum Volume (1000 m3)	0.25	3.84	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.13	7.04	0.08

Plan: Plan 07 ArroyoPoeillo 1 RS: 545.9766 Profile: T=2

E.G. Elev (m)	809.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	809.49	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	809.49	Flow Area (m2)		0.13	
E.G. Slope (m/m)	0.020215	Area (m2)		0.13	
Q Total (m3/s)	0.13	Flow (m3/s)		0.13	
Top Width (m)	1.41	Top Width (m)		1.41	
Vel Total (m/s)	0.97	Avg. Vel. (m/s)		0.97	
Max Chl Dpth (m)	0.19	Hydr. Depth (m)		0.10	
Conv. Total (m3/s)	0.9	Conv. (m3/s)		0.9	
Length Wtd. (m)	90.93	Wetted Per. (m)		1.47	
Min Ch El (m)	809.30	Shear (N/m2)		18.22	
Alpha	1.00	Stream Power (N/m s)		17.59	
Frctn Loss (m)	1.89	Cum Volume (1000 m3)		0.08	
C & E Loss (m)	0.00	Cum SA (1000 m2)		1.12	

Plan: Plan 07 ArroyoPoeillo 1 RS: 545.9766 Profile: T=5

E.G. Elev (m)	809.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	809.71	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	809.71	Flow Area (m2)		0.63	
E.G. Slope (m/m)	0.016071	Area (m2)		0.63	
Q Total (m3/s)	0.90	Flow (m3/s)		0.90	
Top Width (m)	3.04	Top Width (m)		3.04	
Vel Total (m/s)	1.44	Avg. Vel. (m/s)		1.44	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	7.1	Conv. (m3/s)		7.1	
Length Wtd. (m)	90.93	Wetted Per. (m)		3.16	
Min Ch El (m)	809.30	Shear (N/m2)		31.24	
Alpha	1.00	Stream Power (N/m s)		44.88	
Frctn Loss (m)	1.47	Cum Volume (1000 m3)	0.00	0.34	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	2.04	

Plan: Plan 07 ArroyoPoeillo 1 RS: 545.9766 Profile: T=10

E.G. Elev (m)	810.03	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	809.87	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	809.87	Flow Area (m2)		1.17	
E.G. Slope (m/m)	0.014322	Area (m2)		1.17	
Q Total (m3/s)	2.06	Flow (m3/s)		2.06	

Plan: Plan 07 ArroyoPoeillo 1 RS: 545.9766 Profile: T=10 (Continued)

Top Width (m)	3.83	Top Width (m)		3.83	
Vel Total (m/s)	1.76	Avg. Vel. (m/s)		1.76	
Max Chl Dpth (m)	0.57	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	17.2	Conv. (m3/s)		17.2	
Length Wtd. (m)	90.93	Wetted Per. (m)		4.01	
Min Ch El (m)	809.30	Shear (N/m2)		41.07	
Alpha	1.00	Stream Power (N/m s)		72.17	
Frctn Loss (m)	1.31	Cum Volume (1000 m3)	0.00	0.66	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.04	2.70	0.01

Plan: Plan 07 ArroyoPoeillo 1 RS: 545.9766 Profile: T=25

E.G. Elev (m)	810.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	810.09	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.09	Flow Area (m2)		2.25	
E.G. Slope (m/m)	0.013410	Area (m2)		2.25	
Q Total (m3/s)	4.07	Flow (m3/s)		4.07	
Top Width (m)	6.77	Top Width (m)		6.77	
Vel Total (m/s)	1.80	Avg. Vel. (m/s)		1.80	
Max Chl Dpth (m)	0.79	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	35.1	Conv. (m3/s)		35.1	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.05	
Min Ch El (m)	809.30	Shear (N/m2)		42.05	
Alpha	1.00	Stream Power (N/m s)		75.89	
Frctn Loss (m)	1.21	Cum Volume (1000 m3)	0.01	1.12	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.07	3.47	0.02

Plan: Plan 07 ArroyoPoeillo 1 RS: 545.9766 Profile: T=50

E.G. Elev (m)	810.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.		0.030	
W.S. Elev (m)	810.19	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.19	Flow Area (m2)		2.95	
E.G. Slope (m/m)	0.012629	Area (m2)		2.95	
Q Total (m3/s)	5.97	Flow (m3/s)		5.97	
Top Width (m)	7.08	Top Width (m)		7.08	
Vel Total (m/s)	2.02	Avg. Vel. (m/s)		2.02	
Max Chl Dpth (m)	0.89	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	53.1	Conv. (m3/s)		53.1	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.43	
Min Ch El (m)	809.30	Shear (N/m2)		49.19	
Alpha	1.00	Stream Power (N/m s)		99.57	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)	0.03	1.58	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.46	4.97	0.04

Plan: Plan 07 ArroyoPoeillo 1 RS: 545.9766 Profile: T=100

E.G. Elev (m)	810.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	810.31	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.31	Flow Area (m2)		3.79	
E.G. Slope (m/m)	0.011979	Area (m2)		3.79	
Q Total (m3/s)	8.49	Flow (m3/s)		8.49	
Top Width (m)	7.44	Top Width (m)		7.44	
Vel Total (m/s)	2.24	Avg. Vel. (m/s)		2.24	
Max Chl Dpth (m)	1.01	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	77.6	Conv. (m3/s)		77.6	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.85	
Min Ch El (m)	809.30	Shear (N/m2)		56.62	

Plan: Plan 07 ArroyoPoeillo 1 RS: 545.9766 Profile: T=100 (Continued)

Alpha	1.00	Stream Power (N/m s)		126.99	
Frctn Loss (m)	1.08	Cum Volume (1000 m3)	0.11	2.05	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.00	5.28	0.06

Plan: Plan 07 ArroyoPoeillo 1 RS: 545.9766 Profile: T=500

E.G. Elev (m)	810.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.		0.030	
W.S. Elev (m)	810.59	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.59	Flow Area (m2)		6.03	
E.G. Slope (m/m)	0.010802	Area (m2)		6.03	
Q Total (m3/s)	16.09	Flow (m3/s)		16.09	
Top Width (m)	8.32	Top Width (m)		8.32	
Vel Total (m/s)	2.67	Avg. Vel. (m/s)		2.67	
Max Chl Dpth (m)	1.29	Hydr. Depth (m)		0.72	
Conv. Total (m3/s)	154.8	Conv. (m3/s)		154.8	
Length Wtd. (m)	90.93	Wetted Per. (m)		8.91	
Min Ch El (m)	809.30	Shear (N/m2)		71.65	
Alpha	1.00	Stream Power (N/m s)		191.26	
Frctn Loss (m)	0.98	Cum Volume (1000 m3)	0.25	3.26	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.13	5.97	0.08

Plan: Plan 07 ArroyoPoeillo 1 RS: 455.0457 Profile: T=2

E.G. Elev (m)	805.83	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	805.78	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	805.78	Flow Area (m2)		0.13	
E.G. Slope (m/m)	0.021353	Area (m2)		0.13	
Q Total (m3/s)	0.13	Flow (m3/s)		0.13	
Top Width (m)	1.32	Top Width (m)		1.32	
Vel Total (m/s)	1.00	Avg. Vel. (m/s)		1.00	
Max Chl Dpth (m)	0.20	Hydr. Depth (m)		0.10	
Conv. Total (m3/s)	0.9	Conv. (m3/s)		0.9	
Length Wtd. (m)	115.71	Wetted Per. (m)		1.39	
Min Ch El (m)	805.58	Shear (N/m2)		19.50	
Alpha	1.00	Stream Power (N/m s)		19.51	
Frctn Loss (m)	2.51	Cum Volume (1000 m3)		0.07	
C & E Loss (m)	0.01	Cum SA (1000 m2)		1.00	

Plan: Plan 07 ArroyoPoeillo 1 RS: 455.0457 Profile: T=5

E.G. Elev (m)	806.12	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	806.01	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.01	Flow Area (m2)		0.61	
E.G. Slope (m/m)	0.016345	Area (m2)		0.61	
Q Total (m3/s)	0.90	Flow (m3/s)		0.90	
Top Width (m)	2.81	Top Width (m)		2.81	
Vel Total (m/s)	1.48	Avg. Vel. (m/s)		1.48	
Max Chl Dpth (m)	0.43	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	7.0	Conv. (m3/s)		7.0	
Length Wtd. (m)	115.71	Wetted Per. (m)		2.97	
Min Ch El (m)	805.58	Shear (N/m2)		32.80	
Alpha	1.00	Stream Power (N/m s)		48.54	
Frctn Loss (m)	1.88	Cum Volume (1000 m3)	0.00	0.29	
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.02	1.77	

Plan: Plan 07 ArroyoPoeillo 1 RS: 455.0457 Profile: T=10

E.G. Elev (m)	806.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	806.17	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.17	Flow Area (m2)		1.15	
E.G. Slope (m/m)	0.014448	Area (m2)		1.15	
Q Total (m3/s)	2.06	Flow (m3/s)		2.06	
Top Width (m)	3.62	Top Width (m)		3.62	
Vel Total (m/s)	1.79	Avg. Vel. (m/s)		1.79	
Max Chl Dpth (m)	0.59	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	17.1	Conv. (m3/s)		17.1	
Length Wtd. (m)	115.71	Wetted Per. (m)		3.86	
Min Ch El (m)	805.58	Shear (N/m2)		42.28	
Alpha	1.00	Stream Power (N/m s)		75.64	
Frctn Loss (m)	1.67	Cum Volume (1000 m3)	0.00	0.55	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.04	2.37	0.01

Plan: Plan 07 ArroyoPoeillo 1 RS: 455.0457 Profile: T=25

E.G. Elev (m)	806.59	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	806.37	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.37	Flow Area (m2)		1.96	
E.G. Slope (m/m)	0.013122	Area (m2)		1.96	
Q Total (m3/s)	4.07	Flow (m3/s)		4.07	
Top Width (m)	4.57	Top Width (m)		4.57	
Vel Total (m/s)	2.07	Avg. Vel. (m/s)		2.07	
Max Chl Dpth (m)	0.79	Hydr. Depth (m)		0.43	
Conv. Total (m3/s)	35.5	Conv. (m3/s)		35.5	
Length Wtd. (m)	115.71	Wetted Per. (m)		4.90	
Min Ch El (m)	805.58	Shear (N/m2)		51.55	
Alpha	1.00	Stream Power (N/m s)		106.96	
Frctn Loss (m)	1.52	Cum Volume (1000 m3)	0.01	0.93	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.07	2.95	0.02

Plan: Plan 07 ArroyoPoeillo 1 RS: 455.0457 Profile: T=50

E.G. Elev (m)	806.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	806.51	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.51	Flow Area (m2)		2.65	
E.G. Slope (m/m)	0.012446	Area (m2)		2.65	
Q Total (m3/s)	5.97	Flow (m3/s)		5.97	
Top Width (m)	5.25	Top Width (m)		5.25	
Vel Total (m/s)	2.25	Avg. Vel. (m/s)		2.25	
Max Chl Dpth (m)	0.93	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	53.5	Conv. (m3/s)		53.5	
Length Wtd. (m)	115.71	Wetted Per. (m)		5.64	
Min Ch El (m)	805.58	Shear (N/m2)		57.46	
Alpha	1.00	Stream Power (N/m s)		129.30	
Frctn Loss (m)	1.44	Cum Volume (1000 m3)	0.03	1.33	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.46	4.41	0.04

Plan: Plan 07 ArroyoPoeillo 1 RS: 455.0457 Profile: T=100

E.G. Elev (m)	806.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	
W.S. Elev (m)	806.66	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.66	Flow Area (m2)		3.48	
E.G. Slope (m/m)	0.011837	Area (m2)		3.48	
Q Total (m3/s)	8.49	Flow (m3/s)		8.49	

Plan: Plan 07 ArroyoPoeillo 1 RS: 455.0457 Profile: T=100 (Continued)

Top Width (m)	5.84	Top Width (m)		5.84	
Vel Total (m/s)	2.44	Avg. Vel. (m/s)		2.44	
Max Chl Dpth (m)	1.08	Hydr. Depth (m)		0.60	
Conv. Total (m3/s)	78.0	Conv. (m3/s)		78.0	
Length Wtd. (m)	115.71	Wetted Per. (m)		6.30	
Min Ch El (m)	805.58	Shear (N/m2)		64.07	
Alpha	1.00	Stream Power (N/m s)		156.34	
Frctn Loss (m)	1.38	Cum Volume (1000 m3)	0.11	1.72	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.00	4.67	0.06

Plan: Plan 07 ArroyoPoeillo 1 RS: 455.0457 Profile: T=500

E.G. Elev (m)	807.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.		0.030	
W.S. Elev (m)	807.00	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.00	Flow Area (m2)		5.62	
E.G. Slope (m/m)	0.010768	Area (m2)		5.62	
Q Total (m3/s)	16.09	Flow (m3/s)		16.09	
Top Width (m)	6.79	Top Width (m)		6.79	
Vel Total (m/s)	2.86	Avg. Vel. (m/s)		2.86	
Max Chl Dpth (m)	1.42	Hydr. Depth (m)		0.83	
Conv. Total (m3/s)	155.1	Conv. (m3/s)		155.1	
Length Wtd. (m)	115.71	Wetted Per. (m)		7.47	
Min Ch El (m)	805.58	Shear (N/m2)		79.47	
Alpha	1.00	Stream Power (N/m s)		227.45	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)	0.25	2.73	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.13	5.28	0.08

Plan: Plan 07 ArroyoPoeillo 1 RS: 339.3399 Profile: T=2

E.G. Elev (m)	791.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	791.26	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.26	Flow Area (m2)		0.16	
E.G. Slope (m/m)	0.022081	Area (m2)		0.16	
Q Total (m3/s)	0.13	Flow (m3/s)		0.13	
Top Width (m)	2.44	Top Width (m)		2.44	
Vel Total (m/s)	0.80	Avg. Vel. (m/s)		0.80	
Max Chl Dpth (m)	0.08	Hydr. Depth (m)		0.07	
Conv. Total (m3/s)	0.9	Conv. (m3/s)		0.9	
Length Wtd. (m)	107.02	Wetted Per. (m)		2.48	
Min Ch El (m)	791.18	Shear (N/m2)		14.15	
Alpha	1.00	Stream Power (N/m s)		11.37	
Frctn Loss (m)	2.31	Cum Volume (1000 m3)		0.05	
C & E Loss (m)	0.00	Cum SA (1000 m2)		0.78	

Plan: Plan 07 ArroyoPoeillo 1 RS: 339.3399 Profile: T=5

E.G. Elev (m)	791.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	791.43	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.43	Flow Area (m2)		0.67	
E.G. Slope (m/m)	0.016070	Area (m2)		0.67	
Q Total (m3/s)	0.90	Flow (m3/s)		0.90	
Top Width (m)	3.59	Top Width (m)		3.59	
Vel Total (m/s)	1.35	Avg. Vel. (m/s)		1.35	
Max Chl Dpth (m)	0.25	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	7.1	Conv. (m3/s)		7.1	
Length Wtd. (m)	107.02	Wetted Per. (m)		3.69	
Min Ch El (m)	791.18	Shear (N/m2)		28.46	

Plan: Plan 07 ArroyoPoeillo 1 RS: 339.3399 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		38.41	
Frctn Loss (m)	1.72	Cum Volume (1000 m3)	0.00	0.21	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	1.40	

Plan: Plan 07 ArroyoPoeillo 1 RS: 339.3399 Profile: T=10

E.G. Elev (m)	791.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	791.57	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.57	Flow Area (m2)		1.25	
E.G. Slope (m/m)	0.014410	Area (m2)		1.25	
Q Total (m3/s)	2.06	Flow (m3/s)		2.06	
Top Width (m)	4.57	Top Width (m)		4.57	
Vel Total (m/s)	1.65	Avg. Vel. (m/s)		1.65	
Max Chl Dpth (m)	0.39	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	17.2	Conv. (m3/s)		17.2	
Length Wtd. (m)	107.02	Wetted Per. (m)		4.73	
Min Ch El (m)	791.18	Shear (N/m2)		37.34	
Alpha	1.00	Stream Power (N/m s)		61.54	
Frctn Loss (m)	1.53	Cum Volume (1000 m3)	0.00	0.41	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.04	1.89	0.01

Plan: Plan 07 ArroyoPoeillo 1 RS: 339.3399 Profile: T=25

E.G. Elev (m)	791.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	791.74	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.74	Flow Area (m2)		2.11	
E.G. Slope (m/m)	0.013137	Area (m2)		2.11	
Q Total (m3/s)	4.07	Flow (m3/s)		4.07	
Top Width (m)	5.62	Top Width (m)		5.62	
Vel Total (m/s)	1.93	Avg. Vel. (m/s)		1.93	
Max Chl Dpth (m)	0.56	Hydr. Depth (m)		0.37	
Conv. Total (m3/s)	35.5	Conv. (m3/s)		35.5	
Length Wtd. (m)	107.02	Wetted Per. (m)		5.86	
Min Ch El (m)	791.18	Shear (N/m2)		46.34	
Alpha	1.00	Stream Power (N/m s)		89.55	
Frctn Loss (m)	1.40	Cum Volume (1000 m3)	0.01	0.70	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.07	2.36	0.02

Plan: Plan 07 ArroyoPoeillo 1 RS: 339.3399 Profile: T=50

E.G. Elev (m)	792.09	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	791.86	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.86	Flow Area (m2)		2.84	
E.G. Slope (m/m)	0.012444	Area (m2)		2.84	
Q Total (m3/s)	5.97	Flow (m3/s)		5.97	
Top Width (m)	6.39	Top Width (m)		6.39	
Vel Total (m/s)	2.10	Avg. Vel. (m/s)		2.10	
Max Chl Dpth (m)	0.68	Hydr. Depth (m)		0.44	
Conv. Total (m3/s)	53.5	Conv. (m3/s)		53.5	
Length Wtd. (m)	107.02	Wetted Per. (m)		6.67	
Min Ch El (m)	791.18	Shear (N/m2)		51.92	
Alpha	1.00	Stream Power (N/m s)		109.21	
Frctn Loss (m)	1.32	Cum Volume (1000 m3)	0.03	1.01	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.46	3.73	0.04

Plan: Plan 07 ArroyoPoeillo 1 RS: 339.3399 Profile: T=100

E.G. Elev (m)	792.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	791.99	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.99	Flow Area (m2)		3.72	
E.G. Slope (m/m)	0.011930	Area (m2)		3.72	
Q Total (m3/s)	8.49	Flow (m3/s)		8.49	
Top Width (m)	7.15	Top Width (m)		7.15	
Vel Total (m/s)	2.28	Avg. Vel. (m/s)		2.28	
Max Chl Dpth (m)	0.81	Hydr. Depth (m)		0.52	
Conv. Total (m3/s)	77.7	Conv. (m3/s)		77.7	
Length Wtd. (m)	107.02	Wetted Per. (m)		7.49	
Min Ch El (m)	791.18	Shear (N/m2)		58.07	
Alpha	1.00	Stream Power (N/m s)		132.54	
Frctn Loss (m)	1.26	Cum Volume (1000 m3)	0.11	1.31	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.00	3.92	0.06

Plan: Plan 07 ArroyoPoeillo 1 RS: 339.3399 Profile: T=500

E.G. Elev (m)	792.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	
W.S. Elev (m)	792.29	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.29	Flow Area (m2)		5.93	
E.G. Slope (m/m)	0.010627	Area (m2)		5.93	
Q Total (m3/s)	16.09	Flow (m3/s)		16.09	
Top Width (m)	7.89	Top Width (m)		7.89	
Vel Total (m/s)	2.71	Avg. Vel. (m/s)		2.71	
Max Chl Dpth (m)	1.11	Hydr. Depth (m)		0.75	
Conv. Total (m3/s)	156.1	Conv. (m3/s)		156.1	
Length Wtd. (m)	107.02	Wetted Per. (m)		8.44	
Min Ch El (m)	791.18	Shear (N/m2)		73.18	
Alpha	1.00	Stream Power (N/m s)		198.64	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)	0.25	2.06	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.13	4.43	0.08

Plan: Plan 07 ArroyoPoeillo 1 RS: 232.3247 Profile: T=2

E.G. Elev (m)	777.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	777.95	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	777.95	Flow Area (m2)		0.15	
E.G. Slope (m/m)	0.021098	Area (m2)		0.15	
Q Total (m3/s)	0.13	Flow (m3/s)		0.13	
Top Width (m)	1.80	Top Width (m)		1.80	
Vel Total (m/s)	0.89	Avg. Vel. (m/s)		0.89	
Max Chl Dpth (m)	0.16	Hydr. Depth (m)		0.08	
Conv. Total (m3/s)	0.9	Conv. (m3/s)		0.9	
Length Wtd. (m)	100.52	Wetted Per. (m)		1.84	
Min Ch El (m)	777.79	Shear (N/m2)		16.39	
Alpha	1.00	Stream Power (N/m s)		14.63	
Frctn Loss (m)	2.23	Cum Volume (1000 m3)		0.03	
C & E Loss (m)	0.00	Cum SA (1000 m2)		0.55	

Plan: Plan 07 ArroyoPoeillo 1 RS: 232.3247 Profile: T=5

E.G. Elev (m)	778.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	778.14	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.14	Flow Area (m2)		0.65	
E.G. Slope (m/m)	0.016155	Area (m2)		0.65	
Q Total (m3/s)	0.90	Flow (m3/s)		0.90	

Plan: Plan 07 ArroyoPoeillo 1 RS: 232.3247 Profile: T=5 (Continued)

Top Width (m)	3.34	Top Width (m)		3.34	
Vel Total (m/s)	1.39	Avg. Vel. (m/s)		1.39	
Max Chl Dpth (m)	0.35	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	7.1	Conv. (m3/s)		7.1	
Length Wtd. (m)	100.52	Wetted Per. (m)		3.43	
Min Ch El (m)	777.79	Shear (N/m2)		29.86	
Alpha	1.00	Stream Power (N/m s)		41.60	
Frctn Loss (m)	1.72	Cum Volume (1000 m3)	0.00	0.14	
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.02	1.03	

Plan: Plan 07 ArroyoPoeillo 1 RS: 232.3247 Profile: T=10

E.G. Elev (m)	778.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	778.29	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.29	Flow Area (m2)		1.21	
E.G. Slope (m/m)	0.014175	Area (m2)		1.21	
Q Total (m3/s)	2.06	Flow (m3/s)		2.06	
Top Width (m)	4.19	Top Width (m)		4.19	
Vel Total (m/s)	1.70	Avg. Vel. (m/s)		1.70	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	17.3	Conv. (m3/s)		17.3	
Length Wtd. (m)	100.52	Wetted Per. (m)		4.33	
Min Ch El (m)	777.79	Shear (N/m2)		38.93	
Alpha	1.00	Stream Power (N/m s)		66.14	
Frctn Loss (m)	1.51	Cum Volume (1000 m3)	0.00	0.28	0.00
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.04	1.42	0.01

Plan: Plan 07 ArroyoPoeillo 1 RS: 232.3247 Profile: T=25

E.G. Elev (m)	778.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	778.46	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.46	Flow Area (m2)		2.04	
E.G. Slope (m/m)	0.012988	Area (m2)		2.04	
Q Total (m3/s)	4.07	Flow (m3/s)		4.07	
Top Width (m)	5.13	Top Width (m)		5.13	
Vel Total (m/s)	2.00	Avg. Vel. (m/s)		2.00	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	35.7	Conv. (m3/s)		35.7	
Length Wtd. (m)	100.52	Wetted Per. (m)		5.34	
Min Ch El (m)	777.79	Shear (N/m2)		48.60	
Alpha	1.00	Stream Power (N/m s)		97.13	
Frctn Loss (m)	1.35	Cum Volume (1000 m3)	0.01	0.48	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.07	1.79	0.02

Plan: Plan 07 ArroyoPoeillo 1 RS: 232.3247 Profile: T=50

E.G. Elev (m)	778.84	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	778.59	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.59	Flow Area (m2)		2.72	
E.G. Slope (m/m)	0.012300	Area (m2)		2.72	
Q Total (m3/s)	5.97	Flow (m3/s)		5.97	
Top Width (m)	5.68	Top Width (m)		5.68	
Vel Total (m/s)	2.20	Avg. Vel. (m/s)		2.20	
Max Chl Dpth (m)	0.80	Hydr. Depth (m)		0.48	
Conv. Total (m3/s)	53.8	Conv. (m3/s)		53.8	
Length Wtd. (m)	100.52	Wetted Per. (m)		5.94	
Min Ch El (m)	777.79	Shear (N/m2)		55.20	

Plan: Plan 07 ArroyoPoeillo 1 RS: 232.3247 Profile: T=50 (Continued)

Alpha	1.00	Stream Power (N/m s)		121.19	
Frctn Loss (m)	1.42	Cum Volume (1000 m3)	0.03	0.71	0.01
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.46	3.09	0.04

Plan: Plan 07 ArroyoPoeillo 1 RS: 232.3247 Profile: T=100

E.G. Elev (m)	779.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.		0.030	
W.S. Elev (m)	778.73	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.73	Flow Area (m2)		3.57	
E.G. Slope (m/m)	0.011572	Area (m2)		3.57	
Q Total (m3/s)	8.49	Flow (m3/s)		8.49	
Top Width (m)	6.30	Top Width (m)		6.30	
Vel Total (m/s)	2.38	Avg. Vel. (m/s)		2.38	
Max Chl Dpth (m)	0.94	Hydr. Depth (m)		0.57	
Conv. Total (m3/s)	78.9	Conv. (m3/s)		78.9	
Length Wtd. (m)	100.52	Wetted Per. (m)		6.62	
Min Ch El (m)	777.79	Shear (N/m2)		61.22	
Alpha	1.00	Stream Power (N/m s)		145.47	
Frctn Loss (m)	1.32	Cum Volume (1000 m3)	0.11	0.92	0.01
C & E Loss (m)	0.05	Cum SA (1000 m2)	1.00	3.20	0.06

Plan: Plan 07 ArroyoPoeillo 1 RS: 232.3247 Profile: T=500

E.G. Elev (m)	779.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	
W.S. Elev (m)	779.07	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.07	Flow Area (m2)		5.98	
E.G. Slope (m/m)	0.010724	Area (m2)		5.98	
Q Total (m3/s)	16.09	Flow (m3/s)		16.09	
Top Width (m)	8.25	Top Width (m)		8.25	
Vel Total (m/s)	2.69	Avg. Vel. (m/s)		2.69	
Max Chl Dpth (m)	1.28	Hydr. Depth (m)		0.73	
Conv. Total (m3/s)	155.4	Conv. (m3/s)		155.4	
Length Wtd. (m)	100.52	Wetted Per. (m)		8.71	
Min Ch El (m)	777.79	Shear (N/m2)		72.29	
Alpha	1.00	Stream Power (N/m s)		194.38	
Frctn Loss (m)	1.17	Cum Volume (1000 m3)	0.25	1.42	0.02
C & E Loss (m)	0.06	Cum SA (1000 m2)	1.13	3.57	0.08

Plan: Plan 07 ArroyoPoeillo 1 RS: 131.8060 Profile: T=2

E.G. Elev (m)	771.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	771.50	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.50	Flow Area (m2)		0.18	
E.G. Slope (m/m)	0.023391	Area (m2)		0.18	
Q Total (m3/s)	0.13	Flow (m3/s)		0.13	
Top Width (m)	3.20	Top Width (m)		3.20	
Vel Total (m/s)	0.74	Avg. Vel. (m/s)		0.74	
Max Chl Dpth (m)	0.11	Hydr. Depth (m)		0.06	
Conv. Total (m3/s)	0.8	Conv. (m3/s)		0.8	
Length Wtd. (m)	91.98	Wetted Per. (m)		3.21	
Min Ch El (m)	771.39	Shear (N/m2)		12.61	
Alpha	1.00	Stream Power (N/m s)		9.30	
Frctn Loss (m)	2.19	Cum Volume (1000 m3)		0.02	
C & E Loss (m)	0.00	Cum SA (1000 m2)		0.30	

Plan: Plan 07 ArroyoPoeillo 1 RS: 131.8060 Profile: T=5

E.G. Elev (m)	771.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	771.63	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.63	Flow Area (m2)		0.79	
E.G. Slope (m/m)	0.018101	Area (m2)		0.79	
Q Total (m3/s)	0.90	Flow (m3/s)		0.90	
Top Width (m)	6.24	Top Width (m)		6.24	
Vel Total (m/s)	1.13	Avg. Vel. (m/s)		1.13	
Max Chl Dpth (m)	0.24	Hydr. Depth (m)		0.13	
Conv. Total (m3/s)	6.7	Conv. (m3/s)		6.7	
Length Wtd. (m)	92.01	Wetted Per. (m)		6.26	
Min Ch El (m)	771.39	Shear (N/m2)		22.52	
Alpha	1.00	Stream Power (N/m s)		25.51	
Frctn Loss (m)	1.61	Cum Volume (1000 m3)	0.00	0.07	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	0.55	

Plan: Plan 07 ArroyoPoeillo 1 RS: 131.8060 Profile: T=10

E.G. Elev (m)	771.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	771.73	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.73	Flow Area (m2)		1.56	
E.G. Slope (m/m)	0.015901	Area (m2)		1.56	
Q Total (m3/s)	2.06	Flow (m3/s)		2.06	
Top Width (m)	8.77	Top Width (m)		8.77	
Vel Total (m/s)	1.32	Avg. Vel. (m/s)		1.32	
Max Chl Dpth (m)	0.34	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	16.3	Conv. (m3/s)		16.3	
Length Wtd. (m)	92.07	Wetted Per. (m)		8.80	
Min Ch El (m)	771.39	Shear (N/m2)		27.57	
Alpha	1.00	Stream Power (N/m s)		36.50	
Frctn Loss (m)	1.45	Cum Volume (1000 m3)	0.00	0.14	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.04	0.77	0.01

Plan: Plan 07 ArroyoPoeillo 1 RS: 131.8060 Profile: T=25

E.G. Elev (m)	771.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	771.85	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.85	Flow Area (m2)		2.77	
E.G. Slope (m/m)	0.013878	Area (m2)		2.77	
Q Total (m3/s)	4.07	Flow (m3/s)		4.07	
Top Width (m)	12.05	Top Width (m)		12.05	
Vel Total (m/s)	1.47	Avg. Vel. (m/s)		1.47	
Max Chl Dpth (m)	0.46	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	34.5	Conv. (m3/s)		34.5	
Length Wtd. (m)	92.10	Wetted Per. (m)		12.10	
Min Ch El (m)	771.39	Shear (N/m2)		31.16	
Alpha	1.00	Stream Power (N/m s)		45.79	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)	0.01	0.23	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.07	0.92	0.02

Plan: Plan 07 ArroyoPoeillo 1 RS: 131.8060 Profile: T=50

E.G. Elev (m)	772.03	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	771.94	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.94	Flow Area (m2)		4.45	
E.G. Slope (m/m)	0.016429	Area (m2)		4.45	
Q Total (m3/s)	5.97	Flow (m3/s)		5.97	

Plan: Plan 07 ArroyoPoeillo 1 RS: 131.8060 Profile: T=50 (Continued)

Top Width (m)	25.28	Top Width (m)		25.28	
Vel Total (m/s)	1.34	Avg. Vel. (m/s)		1.34	
Max Chl Dpth (m)	0.55	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	46.6	Conv. (m3/s)		46.6	
Length Wtd. (m)	92.15	Wetted Per. (m)		25.35	
Min Ch El (m)	771.39	Shear (N/m2)		28.31	
Alpha	1.00	Stream Power (N/m s)		37.94	
Frctn Loss (m)	1.10	Cum Volume (1000 m3)	0.03	0.35	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.46	1.53	0.04

Plan: Plan 07 ArroyoPoeillo 1 RS: 131.8060 Profile: T=100

E.G. Elev (m)	772.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	771.99	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.99	Flow Area (m2)		5.74	
E.G. Slope (m/m)	0.014922	Area (m2)		5.74	
Q Total (m3/s)	8.49	Flow (m3/s)		8.49	
Top Width (m)	26.17	Top Width (m)		26.17	
Vel Total (m/s)	1.48	Avg. Vel. (m/s)		1.48	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	69.5	Conv. (m3/s)		69.5	
Length Wtd. (m)	92.43	Wetted Per. (m)		26.25	
Min Ch El (m)	771.39	Shear (N/m2)		32.01	
Alpha	1.00	Stream Power (N/m s)		47.33	
Frctn Loss (m)	0.86	Cum Volume (1000 m3)	0.11	0.45	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.00	1.57	0.06

Plan: Plan 07 ArroyoPoeillo 1 RS: 131.8060 Profile: T=500

E.G. Elev (m)	772.27	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	772.12	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.12	Flow Area (m2)		9.24	
E.G. Slope (m/m)	0.012601	Area (m2)		9.24	
Q Total (m3/s)	16.09	Flow (m3/s)		16.09	
Top Width (m)	28.95	Top Width (m)		28.95	
Vel Total (m/s)	1.74	Avg. Vel. (m/s)		1.74	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	143.3	Conv. (m3/s)		143.3	
Length Wtd. (m)	92.84	Wetted Per. (m)		29.07	
Min Ch El (m)	771.39	Shear (N/m2)		39.26	
Alpha	1.00	Stream Power (N/m s)		68.39	
Frctn Loss (m)	0.84	Cum Volume (1000 m3)	0.25	0.66	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.13	1.70	0.08

Plan: Plan 07 ArroyoPoeillo 1 RS: 39.82295 Profile: T=2

E.G. Elev (m)	763.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	763.62	Reach Len. (m)			
Crit W.S. (m)	763.62	Flow Area (m2)		0.18	
E.G. Slope (m/m)	0.024193	Area (m2)		0.18	
Q Total (m3/s)	0.13	Flow (m3/s)		0.13	
Top Width (m)	3.38	Top Width (m)		3.38	
Vel Total (m/s)	0.73	Avg. Vel. (m/s)		0.73	
Max Chl Dpth (m)	0.11	Hydr. Depth (m)		0.05	
Conv. Total (m3/s)	0.8	Conv. (m3/s)		0.8	
Length Wtd. (m)		Wetted Per. (m)		3.39	
Min Ch El (m)	763.51	Shear (N/m2)		12.50	

Plan: Plan 07 ArroyoPoeillo 1 RS: 39.82295 Profile: T=2 (Continued)

Alpha	1.00	Stream Power (N/m s)		9.11	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 07 ArroyoPoeillo 1 RS: 39.82295 Profile: T=5

E.G. Elev (m)	763.81	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	763.74	Reach Len. (m)			
Crit W.S. (m)	763.74	Flow Area (m2)	0.02	0.77	
E.G. Slope (m/m)	0.016995	Area (m2)	0.02	0.77	
Q Total (m3/s)	0.90	Flow (m3/s)	0.01	0.89	
Top Width (m)	6.05	Top Width (m)	0.39	5.66	
Vel Total (m/s)	1.14	Avg. Vel. (m/s)	0.51	1.15	
Max Chl Dpth (m)	0.23	Hydr. Depth (m)	0.04	0.14	
Conv. Total (m3/s)	6.9	Conv. (m3/s)	0.1	6.8	
Length Wtd. (m)		Wetted Per. (m)	0.39	5.68	
Min Ch El (m)	763.51	Shear (N/m2)	6.75	22.72	
Alpha	1.02	Stream Power (N/m s)	3.46	26.16	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 07 ArroyoPoeillo 1 RS: 39.82295 Profile: T=10

E.G. Elev (m)	763.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	763.84	Reach Len. (m)			
Crit W.S. (m)	763.84	Flow Area (m2)	0.08	1.48	0.01
E.G. Slope (m/m)	0.015540	Area (m2)	0.08	1.48	0.01
Q Total (m3/s)	2.06	Flow (m3/s)	0.07	1.99	0.00
Top Width (m)	9.04	Top Width (m)	0.85	8.00	0.19
Vel Total (m/s)	1.32	Avg. Vel. (m/s)	0.83	1.35	0.36
Max Chl Dpth (m)	0.33	Hydr. Depth (m)	0.09	0.18	0.03
Conv. Total (m3/s)	16.5	Conv. (m3/s)	0.5	16.0	0.0
Length Wtd. (m)		Wetted Per. (m)	0.87	8.02	0.20
Min Ch El (m)	763.51	Shear (N/m2)	13.69	28.11	3.93
Alpha	1.02	Stream Power (N/m s)	11.41	37.85	1.43
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 07 ArroyoPoeillo 1 RS: 39.82295 Profile: T=25

E.G. Elev (m)	764.08	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	763.95	Reach Len. (m)			
Crit W.S. (m)	763.95	Flow Area (m2)	0.19	2.31	0.04
E.G. Slope (m/m)	0.013088	Area (m2)	0.19	2.31	0.04
Q Total (m3/s)	4.07	Flow (m3/s)	0.20	3.84	0.03
Top Width (m)	9.89	Top Width (m)	1.34	8.00	0.55
Vel Total (m/s)	1.60	Avg. Vel. (m/s)	1.03	1.66	0.68
Max Chl Dpth (m)	0.44	Hydr. Depth (m)	0.14	0.29	0.08
Conv. Total (m3/s)	35.6	Conv. (m3/s)	1.7	33.6	0.3
Length Wtd. (m)		Wetted Per. (m)	1.37	8.02	0.57
Min Ch El (m)	763.51	Shear (N/m2)	18.04	36.96	9.72
Alpha	1.04	Stream Power (N/m s)	18.60	61.46	6.63
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 07 ArroyoPoeillo 1 RS: 39.82295 Profile: T=50

E.G. Elev (m)	764.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.06	Reach Len. (m)			
Crit W.S. (m)	764.06	Flow Area (m2)	0.58	3.17	0.12
E.G. Slope (m/m)	0.009039	Area (m2)	0.58	3.17	0.12
Q Total (m3/s)	5.97	Flow (m3/s)	0.45	5.42	0.10
Top Width (m)	18.38	Top Width (m)	9.45	8.00	0.93
Vel Total (m/s)	1.54	Avg. Vel. (m/s)	0.78	1.71	0.80
Max Chl Dpth (m)	0.55	Hydr. Depth (m)	0.06	0.40	0.13
Conv. Total (m3/s)	62.8	Conv. (m3/s)	4.7	57.0	1.0
Length Wtd. (m)		Wetted Per. (m)	9.50	8.02	0.97
Min Ch El (m)	763.51	Shear (N/m2)	5.39	35.07	11.31
Alpha	1.14	Stream Power (N/m s)	4.21	59.88	9.09
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 07 ArroyoPoeillo 1 RS: 39.82295 Profile: T=100

E.G. Elev (m)	764.28	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.16	Reach Len. (m)			
Crit W.S. (m)	764.16	Flow Area (m2)	2.28	4.03	0.24
E.G. Slope (m/m)	0.006364	Area (m2)	2.28	4.03	0.24
Q Total (m3/s)	8.49	Flow (m3/s)	1.52	6.76	0.20
Top Width (m)	29.69	Top Width (m)	20.39	8.00	1.31
Vel Total (m/s)	1.30	Avg. Vel. (m/s)	0.67	1.68	0.84
Max Chl Dpth (m)	0.65	Hydr. Depth (m)	0.11	0.50	0.19
Conv. Total (m3/s)	106.4	Conv. (m3/s)	19.1	84.8	2.6
Length Wtd. (m)		Wetted Per. (m)	20.48	8.02	1.36
Min Ch El (m)	763.51	Shear (N/m2)	6.96	31.32	11.16
Alpha	1.40	Stream Power (N/m s)	4.64	52.60	9.42
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 07 ArroyoPoeillo 1 RS: 39.82295 Profile: T=500

E.G. Elev (m)	764.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.30	Reach Len. (m)			
Crit W.S. (m)	764.30	Flow Area (m2)	5.20	5.10	0.45
E.G. Slope (m/m)	0.006757	Area (m2)	5.20	5.10	0.45
Q Total (m3/s)	16.09	Flow (m3/s)	5.27	10.34	0.48
Top Width (m)	32.92	Top Width (m)	23.14	8.00	1.78
Vel Total (m/s)	1.50	Avg. Vel. (m/s)	1.01	2.03	1.07
Max Chl Dpth (m)	0.79	Hydr. Depth (m)	0.22	0.64	0.25
Conv. Total (m3/s)	195.7	Conv. (m3/s)	64.2	125.7	5.8
Length Wtd. (m)		Wetted Per. (m)	23.26	8.02	1.85
Min Ch El (m)	763.51	Shear (N/m2)	14.80	42.13	16.13
Alpha	1.34	Stream Power (N/m s)	15.02	85.36	17.24
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 TributarioArroyo 1 RS: 1253.751 Profile: T=2

E.G. Elev (m)	817.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	817.61	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	817.61	Flow Area (m2)		1.50	
E.G. Slope (m/m)	0.015884	Area (m2)		1.50	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	10.07	Top Width (m)		10.07	
Vel Total (m/s)	1.18	Avg. Vel. (m/s)		1.18	
Max Chl Dpth (m)	0.25	Hydr. Depth (m)		0.15	
Conv. Total (m3/s)	14.0	Conv. (m3/s)		14.0	
Length Wtd. (m)	83.80	Wetted Per. (m)		10.09	
Min Ch El (m)	817.36	Shear (N/m2)		23.09	
Alpha	1.00	Stream Power (N/m s)		27.17	
Frctn Loss (m)	1.41	Cum Volume (1000 m3)		1.68	
C & E Loss (m)	0.00	Cum SA (1000 m2)		11.62	

Plan: Plan 01 TributarioArroyo 1 RS: 1253.751 Profile: T=5

E.G. Elev (m)	817.84	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	817.74	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	817.74	Flow Area (m2)		3.52	
E.G. Slope (m/m)	0.015898	Area (m2)		3.52	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	19.22	Top Width (m)		19.22	
Vel Total (m/s)	1.35	Avg. Vel. (m/s)		1.35	
Max Chl Dpth (m)	0.38	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	37.8	Conv. (m3/s)		37.8	
Length Wtd. (m)	83.80	Wetted Per. (m)		19.25	
Min Ch El (m)	817.36	Shear (N/m2)		28.52	
Alpha	1.00	Stream Power (N/m s)		38.62	
Frctn Loss (m)	1.31	Cum Volume (1000 m3)	0.00	3.60	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.03	15.67	

Plan: Plan 01 TributarioArroyo 1 RS: 1253.751 Profile: T=10

E.G. Elev (m)	817.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	817.84	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	817.84	Flow Area (m2)		5.58	
E.G. Slope (m/m)	0.014243	Area (m2)		5.58	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	21.02	Top Width (m)		21.02	
Vel Total (m/s)	1.64	Avg. Vel. (m/s)		1.64	
Max Chl Dpth (m)	0.48	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	76.7	Conv. (m3/s)		76.7	
Length Wtd. (m)	83.80	Wetted Per. (m)		21.08	
Min Ch El (m)	817.36	Shear (N/m2)		36.97	
Alpha	1.00	Stream Power (N/m s)		60.63	
Frctn Loss (m)	1.19	Cum Volume (1000 m3)	0.02	5.98	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.35	18.78	0.27

Plan: Plan 01 TributarioArroyo 1 RS: 1253.751 Profile: T=25

E.G. Elev (m)	818.18	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	817.98	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	817.98	Flow Area (m2)		8.51	
E.G. Slope (m/m)	0.012493	Area (m2)		8.51	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	

Plan: Plan 01 TributarioArroyo 1 RS: 1253.751 Profile: T=25 (Continued)

Top Width (m)	22.21	Top Width (m)		22.21	
Vel Total (m/s)	1.96	Avg. Vel. (m/s)		1.96	
Max Chl Dpth (m)	0.62	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	149.2	Conv. (m3/s)		149.2	
Length Wtd. (m)	83.80	Wetted Per. (m)		22.30	
Min Ch El (m)	817.36	Shear (N/m2)		46.76	
Alpha	1.00	Stream Power (N/m s)		91.66	
Frctn Loss (m)	1.06	Cum Volume (1000 m3)	0.07	9.41	0.06
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.50	22.10	0.54

Plan: Plan 01 TributarioArroyo 1 RS: 1253.751 Profile: T=50

E.G. Elev (m)	818.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	818.09	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.09	Flow Area (m2)	0.00	10.92	
E.G. Slope (m/m)	0.011590	Area (m2)	0.00	10.92	
Q Total (m3/s)	23.81	Flow (m3/s)	0.00	23.81	
Top Width (m)	23.08	Top Width (m)	0.13	22.94	
Vel Total (m/s)	2.18	Avg. Vel. (m/s)	0.24	2.18	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)	0.02	0.48	
Conv. Total (m3/s)	221.2	Conv. (m3/s)	0.0	221.2	
Length Wtd. (m)	83.79	Wetted Per. (m)	0.14	23.05	
Min Ch El (m)	817.36	Shear (N/m2)	1.97	53.84	
Alpha	1.00	Stream Power (N/m s)	0.47	117.40	
Frctn Loss (m)	0.96	Cum Volume (1000 m3)	0.12	12.28	0.13
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.66	23.83	0.94

Plan: Plan 01 TributarioArroyo 1 RS: 1253.751 Profile: T=100

E.G. Elev (m)	818.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	818.21	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.21	Flow Area (m2)	0.05	13.86	
E.G. Slope (m/m)	0.010505	Area (m2)	0.05	13.86	
Q Total (m3/s)	33.27	Flow (m3/s)	0.03	33.24	
Top Width (m)	24.05	Top Width (m)	0.60	23.45	
Vel Total (m/s)	2.39	Avg. Vel. (m/s)	0.63	2.40	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)	0.08	0.59	
Conv. Total (m3/s)	324.6	Conv. (m3/s)	0.3	324.3	
Length Wtd. (m)	83.80	Wetted Per. (m)	0.62	23.57	
Min Ch El (m)	817.36	Shear (N/m2)	8.09	60.57	
Alpha	1.00	Stream Power (N/m s)	5.07	145.25	
Frctn Loss (m)	0.86	Cum Volume (1000 m3)	0.22	15.64	0.27
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.16	24.99	1.49

Plan: Plan 01 TributarioArroyo 1 RS: 1253.751 Profile: T=500

E.G. Elev (m)	818.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	818.52	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.52	Flow Area (m2)	0.41	21.24	0.05
E.G. Slope (m/m)	0.009016	Area (m2)	0.41	21.24	0.05
Q Total (m3/s)	62.27	Flow (m3/s)	0.49	61.75	0.03
Top Width (m)	26.31	Top Width (m)	1.75	24.00	0.56
Vel Total (m/s)	2.87	Avg. Vel. (m/s)	1.18	2.91	0.60
Max Chl Dpth (m)	1.16	Hydr. Depth (m)	0.24	0.89	0.09
Conv. Total (m3/s)	655.8	Conv. (m3/s)	5.1	650.4	0.3
Length Wtd. (m)	83.82	Wetted Per. (m)	1.81	24.14	0.59
Min Ch El (m)	817.36	Shear (N/m2)	20.14	77.82	7.27

Plan: Plan 01 TributarioArroyo 1 RS: 1253.751 Profile: T=500 (Continued)

Alpha	1.02	Stream Power (N/m s)	23.78	226.20	4.36
Frctn Loss (m)	0.70	Cum Volume (1000 m3)	0.75	24.41	0.90
C & E Loss (m)	0.03	Cum SA (1000 m2)	2.62	26.77	3.24

Plan: Plan 01 TributarioArroyo 1 RS: 1169.948 Profile: T=2

E.G. Elev (m)	815.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	815.08	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.08	Flow Area (m2)		1.55	
E.G. Slope (m/m)	0.017877	Area (m2)		1.55	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	12.06	Top Width (m)		12.06	
Vel Total (m/s)	1.13	Avg. Vel. (m/s)		1.13	
Max Chl Dpth (m)	0.22	Hydr. Depth (m)		0.13	
Conv. Total (m3/s)	13.2	Conv. (m3/s)		13.2	
Length Wtd. (m)	108.89	Wetted Per. (m)		12.07	
Min Ch El (m)	814.86	Shear (N/m2)		22.53	
Alpha	1.00	Stream Power (N/m s)		25.57	
Frctn Loss (m)	2.03	Cum Volume (1000 m3)		1.55	
C & E Loss (m)	0.00	Cum SA (1000 m2)		10.69	

Plan: Plan 01 TributarioArroyo 1 RS: 1169.948 Profile: T=5

E.G. Elev (m)	815.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	815.21	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.21	Flow Area (m2)		3.37	
E.G. Slope (m/m)	0.015466	Area (m2)		3.37	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	16.87	Top Width (m)		16.87	
Vel Total (m/s)	1.42	Avg. Vel. (m/s)		1.42	
Max Chl Dpth (m)	0.35	Hydr. Depth (m)		0.20	
Conv. Total (m3/s)	38.4	Conv. (m3/s)		38.4	
Length Wtd. (m)	108.89	Wetted Per. (m)		16.89	
Min Ch El (m)	814.86	Shear (N/m2)		30.26	
Alpha	1.00	Stream Power (N/m s)		42.83	
Frctn Loss (m)	1.71	Cum Volume (1000 m3)	0.00	3.32	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.03	14.15	

Plan: Plan 01 TributarioArroyo 1 RS: 1169.948 Profile: T=10

E.G. Elev (m)	815.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	815.32	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.32	Flow Area (m2)		5.72	
E.G. Slope (m/m)	0.014180	Area (m2)		5.72	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	22.33	Top Width (m)		22.33	
Vel Total (m/s)	1.60	Avg. Vel. (m/s)		1.60	
Max Chl Dpth (m)	0.46	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	76.8	Conv. (m3/s)		76.8	
Length Wtd. (m)	108.86	Wetted Per. (m)		22.35	
Min Ch El (m)	814.86	Shear (N/m2)		35.58	
Alpha	1.00	Stream Power (N/m s)		56.92	
Frctn Loss (m)	1.46	Cum Volume (1000 m3)	0.02	5.50	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.35	16.96	0.27

Plan: Plan 01 TributarioArroyo 1 RS: 1169.948 Profile: T=25

E.G. Elev (m)	815.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.46	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.46	Flow Area (m2)	0.02	8.96	
E.G. Slope (m/m)	0.012880	Area (m2)	0.02	8.96	
Q Total (m3/s)	16.68	Flow (m3/s)	0.01	16.67	
Top Width (m)	26.55	Top Width (m)	0.60	25.95	
Vel Total (m/s)	1.86	Avg. Vel. (m/s)	0.39	1.86	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)	0.03	0.35	
Conv. Total (m3/s)	147.0	Conv. (m3/s)	0.1	146.9	
Length Wtd. (m)	108.85	Wetted Per. (m)	0.61	25.98	
Min Ch El (m)	814.86	Shear (N/m2)	4.17	43.57	
Alpha	1.00	Stream Power (N/m s)	1.62	81.06	
Frctn Loss (m)	1.28	Cum Volume (1000 m3)	0.07	8.68	0.06
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.48	20.08	0.54

Plan: Plan 01 TributarioArroyo 1 RS: 1169.948 Profile: T=50

E.G. Elev (m)	815.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.55	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.55	Flow Area (m2)	0.12	11.50	0.06
E.G. Slope (m/m)	0.011342	Area (m2)	0.12	11.50	0.06
Q Total (m3/s)	23.81	Flow (m3/s)	0.08	23.70	0.03
Top Width (m)	28.84	Top Width (m)	1.49	26.00	1.35
Vel Total (m/s)	2.04	Avg. Vel. (m/s)	0.67	2.06	0.46
Max Chl Dpth (m)	0.69	Hydr. Depth (m)	0.08	0.44	0.05
Conv. Total (m3/s)	223.6	Conv. (m3/s)	0.8	222.5	0.3
Length Wtd. (m)	108.87	Wetted Per. (m)	1.50	26.03	1.35
Min Ch El (m)	814.86	Shear (N/m2)	9.08	49.16	5.22
Alpha	1.02	Stream Power (N/m s)	6.06	101.27	2.41
Frctn Loss (m)	1.15	Cum Volume (1000 m3)	0.12	11.34	0.13
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.60	21.78	0.88

Plan: Plan 01 TributarioArroyo 1 RS: 1169.948 Profile: T=100

E.G. Elev (m)	815.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.67	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.67	Flow Area (m2)	0.36	14.47	0.31
E.G. Slope (m/m)	0.010079	Area (m2)	0.36	14.47	0.31
Q Total (m3/s)	33.27	Flow (m3/s)	0.31	32.73	0.23
Top Width (m)	31.78	Top Width (m)	2.73	26.00	3.05
Vel Total (m/s)	2.20	Avg. Vel. (m/s)	0.86	2.26	0.73
Max Chl Dpth (m)	0.81	Hydr. Depth (m)	0.13	0.56	0.10
Conv. Total (m3/s)	331.4	Conv. (m3/s)	3.1	326.1	2.3
Length Wtd. (m)	108.99	Wetted Per. (m)	2.74	26.03	3.06
Min Ch El (m)	814.86	Shear (N/m2)	12.89	54.94	10.10
Alpha	1.04	Stream Power (N/m s)	11.09	124.29	7.38
Frctn Loss (m)	1.02	Cum Volume (1000 m3)	0.21	14.45	0.26
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.03	22.92	1.35

Plan: Plan 01 TributarioArroyo 1 RS: 1169.948 Profile: T=500

E.G. Elev (m)	816.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.96	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.96	Flow Area (m2)	1.60	21.97	1.97
E.G. Slope (m/m)	0.007856	Area (m2)	1.60	21.97	1.97
Q Total (m3/s)	62.27	Flow (m3/s)	2.03	57.97	2.27

Plan: Plan 01 TributarioArroyo 1 RS: 1169.948 Profile: T=500 (Continued)

Top Width (m)	39.79	Top Width (m)	5.70	26.00	8.09
Vel Total (m/s)	2.44	Avg. Vel. (m/s)	1.27	2.64	1.15
Max Chl Dpth (m)	1.10	Hydr. Depth (m)	0.28	0.84	0.24
Conv. Total (m3/s)	702.5	Conv. (m3/s)	22.9	654.0	25.7
Length Wtd. (m)	109.14	Wetted Per. (m)	5.72	26.03	8.11
Min Ch El (m)	814.86	Shear (N/m2)	21.60	65.02	18.76
Alpha	1.11	Stream Power (N/m s)	27.33	171.57	21.61
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	0.68	22.60	0.81
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.33	24.68	2.85

Plan: Plan 01 TributarioArroyo 1 RS: 1061.057 Profile: T=2

E.G. Elev (m)	812.85	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	
W.S. Elev (m)	812.79	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	812.79	Flow Area (m2)		1.63	
E.G. Slope (m/m)	0.019430	Area (m2)		1.63	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	14.59	Top Width (m)		14.59	
Vel Total (m/s)	1.08	Avg. Vel. (m/s)		1.08	
Max Chl Dpth (m)	0.27	Hydr. Depth (m)		0.11	
Conv. Total (m3/s)	12.6	Conv. (m3/s)		12.6	
Length Wtd. (m)	121.58	Wetted Per. (m)		14.61	
Min Ch El (m)	812.52	Shear (N/m2)		21.29	
Alpha	1.00	Stream Power (N/m s)		22.95	
Frctn Loss (m)	2.26	Cum Volume (1000 m3)		1.38	
C & E Loss (m)	0.00	Cum SA (1000 m2)		9.24	

Plan: Plan 01 TributarioArroyo 1 RS: 1061.057 Profile: T=5

E.G. Elev (m)	812.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	812.90	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	812.90	Flow Area (m2)	0.00	3.52	
E.G. Slope (m/m)	0.015934	Area (m2)	0.00	3.52	
Q Total (m3/s)	4.77	Flow (m3/s)	0.00	4.77	
Top Width (m)	19.52	Top Width (m)	0.28	19.25	
Vel Total (m/s)	1.35	Avg. Vel. (m/s)	0.19	1.35	
Max Chl Dpth (m)	0.38	Hydr. Depth (m)	0.01	0.18	
Conv. Total (m3/s)	37.8	Conv. (m3/s)	0.0	37.8	
Length Wtd. (m)	121.58	Wetted Per. (m)	0.28	19.27	
Min Ch El (m)	812.52	Shear (N/m2)	1.46	28.55	
Alpha	1.00	Stream Power (N/m s)	0.27	38.67	
Frctn Loss (m)	1.94	Cum Volume (1000 m3)	0.00	2.94	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	12.19	

Plan: Plan 01 TributarioArroyo 1 RS: 1061.057 Profile: T=10

E.G. Elev (m)	813.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.01	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.01	Flow Area (m2)	0.15	5.81	0.06
E.G. Slope (m/m)	0.012751	Area (m2)	0.15	5.81	0.06
Q Total (m3/s)	9.15	Flow (m3/s)	0.07	9.06	0.02
Top Width (m)	27.12	Top Width (m)	3.31	21.76	2.05
Vel Total (m/s)	1.52	Avg. Vel. (m/s)	0.48	1.56	0.35
Max Chl Dpth (m)	0.49	Hydr. Depth (m)	0.05	0.27	0.03
Conv. Total (m3/s)	81.0	Conv. (m3/s)	0.7	80.2	0.2
Length Wtd. (m)	121.57	Wetted Per. (m)	3.32	21.79	2.05
Min Ch El (m)	812.52	Shear (N/m2)	5.74	33.34	3.59

Plan: Plan 01 TributarioArroyo 1 RS: 1061.057 Profile: T=10 (Continued)

Alpha	1.04	Stream Power (N/m s)	2.77	51.97	1.27
Frctn Loss (m)	1.62	Cum Volume (1000 m3)	0.01	4.88	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.19	14.56	0.14

Plan: Plan 01 TributarioArroyo 1 RS: 1061.057 Profile: T=25

E.G. Elev (m)	813.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.13	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.13	Flow Area (m2)	0.62	8.49	0.46
E.G. Slope (m/m)	0.010844	Area (m2)	0.62	8.49	0.46
Q Total (m3/s)	16.68	Flow (m3/s)	0.59	15.72	0.37
Top Width (m)	30.15	Top Width (m)	4.24	21.76	4.15
Vel Total (m/s)	1.74	Avg. Vel. (m/s)	0.96	1.85	0.80
Max Chl Dpth (m)	0.61	Hydr. Depth (m)	0.15	0.39	0.11
Conv. Total (m3/s)	160.2	Conv. (m3/s)	5.7	150.9	3.6
Length Wtd. (m)	121.64	Wetted Per. (m)	4.25	21.79	4.15
Min Ch El (m)	812.52	Shear (N/m2)	15.46	41.43	11.82
Alpha	1.08	Stream Power (N/m s)	14.84	76.71	9.48
Frctn Loss (m)	1.43	Cum Volume (1000 m3)	0.04	7.73	0.03
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.24	17.49	0.29

Plan: Plan 01 TributarioArroyo 1 RS: 1061.057 Profile: T=50

E.G. Elev (m)	813.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.23	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.23	Flow Area (m2)	1.06	10.58	0.93
E.G. Slope (m/m)	0.009849	Area (m2)	1.06	10.58	0.93
Q Total (m3/s)	23.81	Flow (m3/s)	1.25	21.64	0.92
Top Width (m)	32.41	Top Width (m)	4.95	21.76	5.70
Vel Total (m/s)	1.89	Avg. Vel. (m/s)	1.18	2.04	0.99
Max Chl Dpth (m)	0.71	Hydr. Depth (m)	0.21	0.49	0.16
Conv. Total (m3/s)	239.9	Conv. (m3/s)	12.6	218.1	9.2
Length Wtd. (m)	121.71	Wetted Per. (m)	4.97	21.79	5.70
Min Ch El (m)	812.52	Shear (N/m2)	20.61	46.93	15.72
Alpha	1.09	Stream Power (N/m s)	24.35	95.94	15.51
Frctn Loss (m)	1.33	Cum Volume (1000 m3)	0.06	10.14	0.07
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.28	19.18	0.44

Plan: Plan 01 TributarioArroyo 1 RS: 1061.057 Profile: T=100

E.G. Elev (m)	813.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.34	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.34	Flow Area (m2)	1.76	13.10	1.70
E.G. Slope (m/m)	0.008790	Area (m2)	1.76	13.10	1.70
Q Total (m3/s)	33.27	Flow (m3/s)	2.09	29.16	2.02
Top Width (m)	36.44	Top Width (m)	7.48	21.76	7.20
Vel Total (m/s)	2.01	Avg. Vel. (m/s)	1.19	2.23	1.19
Max Chl Dpth (m)	0.82	Hydr. Depth (m)	0.24	0.60	0.24
Conv. Total (m3/s)	354.9	Conv. (m3/s)	22.3	311.0	21.6
Length Wtd. (m)	121.87	Wetted Per. (m)	7.50	21.79	7.21
Min Ch El (m)	812.52	Shear (N/m2)	20.21	51.82	20.29
Alpha	1.12	Stream Power (N/m s)	24.01	115.36	24.17
Frctn Loss (m)	1.21	Cum Volume (1000 m3)	0.10	12.95	0.13
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.54	20.32	0.71

Plan: Plan 01 TributarioArroyo 1 RS: 1061.057 Profile: T=500

E.G. Elev (m)	813.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.59	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.59	Flow Area (m2)	3.82	18.53	3.66
E.G. Slope (m/m)	0.008018	Area (m2)	3.82	18.53	3.66
Q Total (m3/s)	62.27	Flow (m3/s)	6.41	49.66	6.20
Top Width (m)	39.26	Top Width (m)	8.99	21.76	8.51
Vel Total (m/s)	2.39	Avg. Vel. (m/s)	1.68	2.68	1.70
Max Chl Dpth (m)	1.07	Hydr. Depth (m)	0.42	0.85	0.43
Conv. Total (m3/s)	695.4	Conv. (m3/s)	71.6	554.6	69.3
Length Wtd. (m)	122.05	Wetted Per. (m)	9.04	21.79	8.55
Min Ch El (m)	812.52	Shear (N/m2)	33.20	66.88	33.65
Alpha	1.10	Stream Power (N/m s)	55.77	179.21	57.04
Frctn Loss (m)	1.08	Cum Volume (1000 m3)	0.41	20.39	0.46
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.61	22.08	1.82

Plan: Plan 01 TributarioArroyo 1 RS: 939.4781 Profile: T=2

E.G. Elev (m)	809.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	809.70	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	809.70	Flow Area (m2)		1.54	
E.G. Slope (m/m)	0.017765	Area (m2)		1.54	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	11.82	Top Width (m)		11.82	
Vel Total (m/s)	1.14	Avg. Vel. (m/s)		1.14	
Max Chl Dpth (m)	0.22	Hydr. Depth (m)		0.13	
Conv. Total (m3/s)	13.2	Conv. (m3/s)		13.2	
Length Wtd. (m)	142.89	Wetted Per. (m)		11.83	
Min Ch El (m)	809.48	Shear (N/m2)		22.70	
Alpha	1.00	Stream Power (N/m s)		25.91	
Frctn Loss (m)	2.54	Cum Volume (1000 m3)		1.19	
C & E Loss (m)	0.00	Cum SA (1000 m2)		7.63	

Plan: Plan 01 TributarioArroyo 1 RS: 939.4781 Profile: T=5

E.G. Elev (m)	809.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	809.82	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	809.82	Flow Area (m2)		3.46	
E.G. Slope (m/m)	0.015943	Area (m2)		3.46	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	18.43	Top Width (m)		18.43	
Vel Total (m/s)	1.38	Avg. Vel. (m/s)		1.38	
Max Chl Dpth (m)	0.34	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	37.8	Conv. (m3/s)		37.8	
Length Wtd. (m)	142.89	Wetted Per. (m)		18.46	
Min Ch El (m)	809.48	Shear (N/m2)		29.31	
Alpha	1.00	Stream Power (N/m s)		40.41	
Frctn Loss (m)	2.23	Cum Volume (1000 m3)		2.52	
C & E Loss (m)	0.00	Cum SA (1000 m2)		9.90	

Plan: Plan 01 TributarioArroyo 1 RS: 939.4781 Profile: T=10

E.G. Elev (m)	810.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	809.93	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	809.93	Flow Area (m2)		5.54	
E.G. Slope (m/m)	0.013902	Area (m2)		5.54	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	

Plan: Plan 01 TributarioArroyo 1 RS: 939.4781 Profile: T=10 (Continued)

Top Width (m)	20.26	Top Width (m)		20.26	
Vel Total (m/s)	1.65	Avg. Vel. (m/s)		1.65	
Max Chl Dpth (m)	0.45	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	77.6	Conv. (m3/s)		77.6	
Length Wtd. (m)	142.89	Wetted Per. (m)		20.30	
Min Ch El (m)	809.48	Shear (N/m2)		37.18	
Alpha	1.00	Stream Power (N/m s)		61.45	
Frctn Loss (m)	1.96	Cum Volume (1000 m3)		4.19	
C & E Loss (m)	0.00	Cum SA (1000 m2)		12.01	

Plan: Plan 01 TributarioArroyo 1 RS: 939.4781 Profile: T=25

E.G. Elev (m)	810.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	810.07	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.07	Flow Area (m2)		8.75	
E.G. Slope (m/m)	0.012723	Area (m2)		8.75	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	24.16	Top Width (m)		24.16	
Vel Total (m/s)	1.91	Avg. Vel. (m/s)		1.91	
Max Chl Dpth (m)	0.59	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	147.9	Conv. (m3/s)		147.9	
Length Wtd. (m)	142.89	Wetted Per. (m)		24.22	
Min Ch El (m)	809.48	Shear (N/m2)		45.07	
Alpha	1.00	Stream Power (N/m s)		85.94	
Frctn Loss (m)	1.79	Cum Volume (1000 m3)		6.68	
C & E Loss (m)	0.00	Cum SA (1000 m2)		14.70	

Plan: Plan 01 TributarioArroyo 1 RS: 939.4781 Profile: T=50

E.G. Elev (m)	810.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	810.19	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.19	Flow Area (m2)		11.59	
E.G. Slope (m/m)	0.012135	Area (m2)		11.59	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	
Top Width (m)	27.63	Top Width (m)		27.63	
Vel Total (m/s)	2.05	Avg. Vel. (m/s)		2.05	
Max Chl Dpth (m)	0.71	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	216.1	Conv. (m3/s)		216.1	
Length Wtd. (m)	142.89	Wetted Per. (m)		27.71	
Min Ch El (m)	809.48	Shear (N/m2)		49.78	
Alpha	1.00	Stream Power (N/m s)		102.25	
Frctn Loss (m)	1.68	Cum Volume (1000 m3)		8.79	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)		16.18	0.05

Plan: Plan 01 TributarioArroyo 1 RS: 939.4781 Profile: T=100

E.G. Elev (m)	810.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	810.30	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.30	Flow Area (m2)		14.69	
E.G. Slope (m/m)	0.011368	Area (m2)		14.69	
Q Total (m3/s)	33.27	Flow (m3/s)		33.27	
Top Width (m)	28.75	Top Width (m)		28.75	
Vel Total (m/s)	2.27	Avg. Vel. (m/s)		2.27	
Max Chl Dpth (m)	0.82	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	312.0	Conv. (m3/s)		312.0	
Length Wtd. (m)	142.89	Wetted Per. (m)		28.85	
Min Ch El (m)	809.48	Shear (N/m2)		56.74	

Plan: Plan 01 TributarioArroyo 1 RS: 939.4781 Profile: T=100 (Continued)

Alpha	1.00	Stream Power (N/m s)		128.54	
Frctn Loss (m)	1.58	Cum Volume (1000 m3)	0.00	11.26	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.11	17.25	0.22

Plan: Plan 01 TributarioArroyo 1 RS: 939.4781 Profile: T=500

E.G. Elev (m)	810.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	810.57	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.57	Flow Area (m2)		22.89	0.05
E.G. Slope (m/m)	0.009846	Area (m2)		22.89	0.05
Q Total (m3/s)	62.27	Flow (m3/s)		62.24	0.03
Top Width (m)	31.12	Top Width (m)		30.58	0.54
Vel Total (m/s)	2.71	Avg. Vel. (m/s)		2.72	0.64
Max Chl Dpth (m)	1.09	Hydr. Depth (m)		0.75	0.09
Conv. Total (m3/s)	627.6	Conv. (m3/s)		627.2	0.3
Length Wtd. (m)	143.02	Wetted Per. (m)		30.72	0.57
Min Ch El (m)	809.48	Shear (N/m2)		71.95	8.27
Alpha	1.00	Stream Power (N/m s)		195.62	5.32
Frctn Loss (m)	1.31	Cum Volume (1000 m3)	0.19	17.88	0.20
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.10	18.90	1.19

Plan: Plan 01 TributarioArroyo 1 RS: 796.5930 Profile: T=2

E.G. Elev (m)	806.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	
W.S. Elev (m)	806.10	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.10	Flow Area (m2)		1.61	
E.G. Slope (m/m)	0.017778	Area (m2)		1.61	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	13.11	Top Width (m)		13.11	
Vel Total (m/s)	1.10	Avg. Vel. (m/s)		1.10	
Max Chl Dpth (m)	0.18	Hydr. Depth (m)		0.12	
Conv. Total (m3/s)	13.2	Conv. (m3/s)		13.2	
Length Wtd. (m)	106.24	Wetted Per. (m)		13.12	
Min Ch El (m)	805.92	Shear (N/m2)		21.34	
Alpha	1.00	Stream Power (N/m s)		23.39	
Frctn Loss (m)	1.87	Cum Volume (1000 m3)		0.96	
C & E Loss (m)	0.00	Cum SA (1000 m2)		5.85	

Plan: Plan 01 TributarioArroyo 1 RS: 796.5930 Profile: T=5

E.G. Elev (m)	806.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	806.21	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.21	Flow Area (m2)		3.33	
E.G. Slope (m/m)	0.015266	Area (m2)		3.33	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	16.25	Top Width (m)		16.25	
Vel Total (m/s)	1.43	Avg. Vel. (m/s)		1.43	
Max Chl Dpth (m)	0.29	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	38.6	Conv. (m3/s)		38.6	
Length Wtd. (m)	106.24	Wetted Per. (m)		16.27	
Min Ch El (m)	805.92	Shear (N/m2)		30.67	
Alpha	1.00	Stream Power (N/m s)		43.89	
Frctn Loss (m)	1.60	Cum Volume (1000 m3)		2.03	
C & E Loss (m)	0.00	Cum SA (1000 m2)		7.42	

Plan: Plan 01 TributarioArroyo 1 RS: 796.5930 Profile: T=10

E.G. Elev (m)	806.48	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	806.33	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.33	Flow Area (m2)		5.43	
E.G. Slope (m/m)	0.013604	Area (m2)		5.43	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	18.97	Top Width (m)		18.97	
Vel Total (m/s)	1.69	Avg. Vel. (m/s)		1.69	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	78.4	Conv. (m3/s)		78.4	
Length Wtd. (m)	106.24	Wetted Per. (m)		19.00	
Min Ch El (m)	805.92	Shear (N/m2)		38.10	
Alpha	1.00	Stream Power (N/m s)		64.24	
Frctn Loss (m)	1.43	Cum Volume (1000 m3)		3.40	
C & E Loss (m)	0.00	Cum SA (1000 m2)		9.20	

Plan: Plan 01 TributarioArroyo 1 RS: 796.5930 Profile: T=25

E.G. Elev (m)	806.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	806.48	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.48	Flow Area (m2)		8.41	
E.G. Slope (m/m)	0.012302	Area (m2)		8.41	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	21.34	Top Width (m)		21.34	
Vel Total (m/s)	1.98	Avg. Vel. (m/s)		1.98	
Max Chl Dpth (m)	0.56	Hydr. Depth (m)		0.39	
Conv. Total (m3/s)	150.4	Conv. (m3/s)		150.4	
Length Wtd. (m)	106.24	Wetted Per. (m)		21.40	
Min Ch El (m)	805.92	Shear (N/m2)		47.41	
Alpha	1.00	Stream Power (N/m s)		94.04	
Frctn Loss (m)	1.33	Cum Volume (1000 m3)		5.46	
C & E Loss (m)	0.01	Cum SA (1000 m2)		11.44	

Plan: Plan 01 TributarioArroyo 1 RS: 796.5930 Profile: T=50

E.G. Elev (m)	806.84	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.		0.030	
W.S. Elev (m)	806.59	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.59	Flow Area (m2)		10.95	
E.G. Slope (m/m)	0.011421	Area (m2)		10.95	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	
Top Width (m)	22.86	Top Width (m)		22.86	
Vel Total (m/s)	2.18	Avg. Vel. (m/s)		2.18	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)		0.48	
Conv. Total (m3/s)	222.8	Conv. (m3/s)		222.8	
Length Wtd. (m)	106.24	Wetted Per. (m)		22.94	
Min Ch El (m)	805.92	Shear (N/m2)		53.45	
Alpha	1.00	Stream Power (N/m s)		116.26	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)		7.18	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)		12.57	0.05

Plan: Plan 01 TributarioArroyo 1 RS: 796.5930 Profile: T=100

E.G. Elev (m)	807.01	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	806.72	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.72	Flow Area (m2)	0.01	13.92	
E.G. Slope (m/m)	0.010787	Area (m2)	0.01	13.92	
Q Total (m3/s)	33.27	Flow (m3/s)	0.00	33.27	

Plan: Plan 01 TributarioArroyo 1 RS: 796.5930 Profile: T=100 (Continued)

Top Width (m)	24.90	Top Width (m)	0.73	24.17	
Vel Total (m/s)	2.39	Avg. Vel. (m/s)	0.25	2.39	
Max Chl Dpth (m)	0.80	Hydr. Depth (m)	0.02	0.58	
Conv. Total (m3/s)	320.3	Conv. (m3/s)	0.0	320.3	
Length Wtd. (m)	106.24	Wetted Per. (m)	0.73	24.26	
Min Ch El (m)	805.92	Shear (N/m2)	2.11	60.68	
Alpha	1.00	Stream Power (N/m s)	0.54	145.03	
Frctn Loss (m)	1.15	Cum Volume (1000 m3)	0.00	9.22	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.05	13.47	0.22

Plan: Plan 01 TributarioArroyo 1 RS: 796.5930 Profile: T=500

E.G. Elev (m)	807.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	807.05	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.05	Flow Area (m2)	1.14	22.03	
E.G. Slope (m/m)	0.008514	Area (m2)	1.14	22.03	
Q Total (m3/s)	62.27	Flow (m3/s)	1.14	61.13	
Top Width (m)	31.64	Top Width (m)	6.07	25.57	
Vel Total (m/s)	2.69	Avg. Vel. (m/s)	1.01	2.78	
Max Chl Dpth (m)	1.13	Hydr. Depth (m)	0.19	0.86	
Conv. Total (m3/s)	674.9	Conv. (m3/s)	12.4	662.5	
Length Wtd. (m)	106.24	Wetted Per. (m)	6.08	25.70	
Min Ch El (m)	805.92	Shear (N/m2)	15.61	71.56	
Alpha	1.05	Stream Power (N/m s)	15.69	198.59	
Frctn Loss (m)	0.94	Cum Volume (1000 m3)	0.10	14.67	0.20
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.62	14.89	1.16

Plan: Plan 01 TributarioArroyo 1 RS: 690.3525 Profile: T=2

E.G. Elev (m)	802.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	802.69	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	802.69	Flow Area (m2)		1.52	
E.G. Slope (m/m)	0.017394	Area (m2)		1.52	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	11.15	Top Width (m)		11.15	
Vel Total (m/s)	1.16	Avg. Vel. (m/s)		1.16	
Max Chl Dpth (m)	0.18	Hydr. Depth (m)		0.14	
Conv. Total (m3/s)	13.3	Conv. (m3/s)		13.3	
Length Wtd. (m)	78.37	Wetted Per. (m)		11.17	
Min Ch El (m)	802.51	Shear (N/m2)		23.15	
Alpha	1.00	Stream Power (N/m s)		26.88	
Frctn Loss (m)	1.39	Cum Volume (1000 m3)		0.80	
C & E Loss (m)	0.00	Cum SA (1000 m2)		4.56	

Plan: Plan 01 TributarioArroyo 1 RS: 690.3525 Profile: T=5

E.G. Elev (m)	802.94	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	802.82	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	802.82	Flow Area (m2)		3.13	
E.G. Slope (m/m)	0.014773	Area (m2)		3.13	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	13.57	Top Width (m)		13.57	
Vel Total (m/s)	1.52	Avg. Vel. (m/s)		1.52	
Max Chl Dpth (m)	0.31	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	39.2	Conv. (m3/s)		39.2	
Length Wtd. (m)	78.37	Wetted Per. (m)		13.60	
Min Ch El (m)	802.51	Shear (N/m2)		33.38	

Plan: Plan 01 TributarioArroyo 1 RS: 690.3525 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		50.82	
Frctn Loss (m)	1.17	Cum Volume (1000 m3)		1.69	
C & E Loss (m)	0.00	Cum SA (1000 m2)		5.84	

Plan: Plan 01 TributarioArroyo 1 RS: 690.3525 Profile: T=10

E.G. Elev (m)	803.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	802.96	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	802.96	Flow Area (m2)		5.33	
E.G. Slope (m/m)	0.013317	Area (m2)		5.33	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	17.79	Top Width (m)		17.79	
Vel Total (m/s)	1.72	Avg. Vel. (m/s)		1.72	
Max Chl Dpth (m)	0.45	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	79.3	Conv. (m3/s)		79.3	
Length Wtd. (m)	78.37	Wetted Per. (m)		17.84	
Min Ch El (m)	802.51	Shear (N/m2)		38.99	
Alpha	1.00	Stream Power (N/m s)		67.00	
Frctn Loss (m)	1.03	Cum Volume (1000 m3)		2.83	
C & E Loss (m)	0.00	Cum SA (1000 m2)		7.25	

Plan: Plan 01 TributarioArroyo 1 RS: 690.3525 Profile: T=25

E.G. Elev (m)	803.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	803.12	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.12	Flow Area (m2)		8.88	
E.G. Slope (m/m)	0.012759	Area (m2)		8.88	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	25.14	Top Width (m)		25.14	
Vel Total (m/s)	1.88	Avg. Vel. (m/s)		1.88	
Max Chl Dpth (m)	0.61	Hydr. Depth (m)		0.35	
Conv. Total (m3/s)	147.7	Conv. (m3/s)		147.7	
Length Wtd. (m)	78.37	Wetted Per. (m)		25.20	
Min Ch El (m)	802.51	Shear (N/m2)		44.09	
Alpha	1.00	Stream Power (N/m s)		82.83	
Frctn Loss (m)	0.98	Cum Volume (1000 m3)		4.54	
C & E Loss (m)	0.00	Cum SA (1000 m2)		8.98	

Plan: Plan 01 TributarioArroyo 1 RS: 690.3525 Profile: T=50

E.G. Elev (m)	803.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	803.22	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.22	Flow Area (m2)		11.47	0.00
E.G. Slope (m/m)	0.012011	Area (m2)		11.47	0.00
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	0.00
Top Width (m)	26.87	Top Width (m)		26.71	0.16
Vel Total (m/s)	2.08	Avg. Vel. (m/s)		2.08	0.14
Max Chl Dpth (m)	0.71	Hydr. Depth (m)		0.43	0.01
Conv. Total (m3/s)	217.3	Conv. (m3/s)		217.3	0.0
Length Wtd. (m)	78.37	Wetted Per. (m)		26.78	0.16
Min Ch El (m)	802.51	Shear (N/m2)		50.45	0.86
Alpha	1.00	Stream Power (N/m s)		104.73	0.12
Frctn Loss (m)	0.92	Cum Volume (1000 m3)		5.99	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)		9.94	0.04

Plan: Plan 01 TributarioArroyo 1 RS: 690.3525 Profile: T=100

E.G. Elev (m)	803.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	803.34	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.34	Flow Area (m2)		14.56	0.09
E.G. Slope (m/m)	0.010910	Area (m2)		14.56	0.09
Q Total (m3/s)	33.27	Flow (m3/s)		33.22	0.05
Top Width (m)	28.80	Top Width (m)		27.36	1.43
Vel Total (m/s)	2.27	Avg. Vel. (m/s)		2.28	0.56
Max Chl Dpth (m)	0.83	Hydr. Depth (m)		0.53	0.06
Conv. Total (m3/s)	318.5	Conv. (m3/s)		318.0	0.5
Length Wtd. (m)	78.41	Wetted Per. (m)		27.44	1.44
Min Ch El (m)	802.51	Shear (N/m2)		56.76	6.87
Alpha	1.01	Stream Power (N/m s)		129.51	3.84
Frctn Loss (m)	0.84	Cum Volume (1000 m3)	0.00	7.71	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.01	10.73	0.14

Plan: Plan 01 TributarioArroyo 1 RS: 690.3525 Profile: T=500

E.G. Elev (m)	803.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.62	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.62	Flow Area (m2)	0.07	22.45	0.83
E.G. Slope (m/m)	0.009268	Area (m2)	0.07	22.45	0.83
Q Total (m3/s)	62.27	Flow (m3/s)	0.03	61.25	0.98
Top Width (m)	33.40	Top Width (m)	1.16	28.54	3.70
Vel Total (m/s)	2.67	Avg. Vel. (m/s)	0.49	2.73	1.18
Max Chl Dpth (m)	1.11	Hydr. Depth (m)	0.06	0.79	0.23
Conv. Total (m3/s)	646.8	Conv. (m3/s)	0.3	636.2	10.2
Length Wtd. (m)	78.62	Wetted Per. (m)	1.16	28.63	3.72
Min Ch El (m)	802.51	Shear (N/m2)	5.38	71.26	20.34
Alpha	1.03	Stream Power (N/m s)	2.62	194.45	24.06
Frctn Loss (m)	0.71	Cum Volume (1000 m3)	0.04	12.30	0.16
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.24	12.01	0.96

Plan: Plan 01 TributarioArroyo 1 RS: 611.9851 Profile: T=2

E.G. Elev (m)	799.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	799.09	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.09	Flow Area (m2)		1.55	
E.G. Slope (m/m)	0.018091	Area (m2)		1.55	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	12.18	Top Width (m)		12.18	
Vel Total (m/s)	1.13	Avg. Vel. (m/s)		1.13	
Max Chl Dpth (m)	0.25	Hydr. Depth (m)		0.13	
Conv. Total (m3/s)	13.1	Conv. (m3/s)		13.1	
Length Wtd. (m)	90.88	Wetted Per. (m)		12.20	
Min Ch El (m)	798.84	Shear (N/m2)		22.57	
Alpha	1.00	Stream Power (N/m s)		25.59	
Frctn Loss (m)	1.47	Cum Volume (1000 m3)		0.68	
C & E Loss (m)	0.01	Cum SA (1000 m2)		3.65	

Plan: Plan 01 TributarioArroyo 1 RS: 611.9851 Profile: T=5

E.G. Elev (m)	799.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	799.21	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.21	Flow Area (m2)		3.21	
E.G. Slope (m/m)	0.015056	Area (m2)		3.21	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	

Plan: Plan 01 TributarioArroyo 1 RS: 611.9851 Profile: T=5 (Continued)

Top Width (m)	14.64	Top Width (m)		14.64	
Vel Total (m/s)	1.49	Avg. Vel. (m/s)		1.49	
Max Chl Dpth (m)	0.37	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	38.9	Conv. (m3/s)		38.9	
Length Wtd. (m)	90.88	Wetted Per. (m)		14.67	
Min Ch El (m)	798.84	Shear (N/m2)		32.32	
Alpha	1.00	Stream Power (N/m s)		48.00	
Frctn Loss (m)	1.26	Cum Volume (1000 m3)		1.44	
C & E Loss (m)	0.01	Cum SA (1000 m2)		4.73	

Plan: Plan 01 TributarioArroyo 1 RS: 611.9851 Profile: T=10

E.G. Elev (m)	799.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	799.34	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.34	Flow Area (m2)		5.14	
E.G. Slope (m/m)	0.012982	Area (m2)		5.14	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	15.96	Top Width (m)		15.96	
Vel Total (m/s)	1.78	Avg. Vel. (m/s)		1.78	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	80.3	Conv. (m3/s)		80.3	
Length Wtd. (m)	90.88	Wetted Per. (m)		16.01	
Min Ch El (m)	798.84	Shear (N/m2)		40.86	
Alpha	1.00	Stream Power (N/m s)		72.74	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)		2.42	
C & E Loss (m)	0.01	Cum SA (1000 m2)		5.93	

Plan: Plan 01 TributarioArroyo 1 RS: 611.9851 Profile: T=25

E.G. Elev (m)	799.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	799.51	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.51	Flow Area (m2)		8.41	
E.G. Slope (m/m)	0.012285	Area (m2)		8.41	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	21.26	Top Width (m)		21.26	
Vel Total (m/s)	1.98	Avg. Vel. (m/s)		1.98	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	150.5	Conv. (m3/s)		150.5	
Length Wtd. (m)	90.88	Wetted Per. (m)		21.36	
Min Ch El (m)	798.84	Shear (N/m2)		47.42	
Alpha	1.00	Stream Power (N/m s)		94.09	
Frctn Loss (m)	1.10	Cum Volume (1000 m3)		3.86	
C & E Loss (m)	0.01	Cum SA (1000 m2)		7.16	

Plan: Plan 01 TributarioArroyo 1 RS: 611.9851 Profile: T=50

E.G. Elev (m)	799.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	799.62	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.62	Flow Area (m2)		10.74	0.02
E.G. Slope (m/m)	0.011421	Area (m2)		10.74	0.02
Q Total (m3/s)	23.81	Flow (m3/s)		23.80	0.01
Top Width (m)	22.11	Top Width (m)		21.78	0.34
Vel Total (m/s)	2.21	Avg. Vel. (m/s)		2.22	0.47
Max Chl Dpth (m)	0.78	Hydr. Depth (m)		0.49	0.05
Conv. Total (m3/s)	222.8	Conv. (m3/s)		222.7	0.1
Length Wtd. (m)	90.88	Wetted Per. (m)		21.89	0.35
Min Ch El (m)	798.84	Shear (N/m2)		54.96	5.41

Plan: Plan 01 TributarioArroyo 1 RS: 611.9851 Profile: T=50 (Continued)

Alpha	1.00	Stream Power (N/m s)		121.80	2.55
Frctn Loss (m)	1.03	Cum Volume (1000 m3)		5.12	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)		8.04	0.01

Plan: Plan 01 TributarioArroyo 1 RS: 611.9851 Profile: T=100

E.G. Elev (m)	800.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	799.75	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.75	Flow Area (m2)	0.01	13.54	0.09
E.G. Slope (m/m)	0.010420	Area (m2)	0.01	13.54	0.09
Q Total (m3/s)	33.27	Flow (m3/s)	0.00	33.20	0.07
Top Width (m)	22.92	Top Width (m)	0.16	22.00	0.76
Vel Total (m/s)	2.44	Avg. Vel. (m/s)	0.34	2.45	0.78
Max Chl Dpth (m)	0.91	Hydr. Depth (m)	0.03	0.62	0.11
Conv. Total (m3/s)	325.9	Conv. (m3/s)	0.0	325.2	0.7
Length Wtd. (m)	90.87	Wetted Per. (m)	0.17	22.12	0.79
Min Ch El (m)	798.84	Shear (N/m2)	3.21	62.54	11.17
Alpha	1.01	Stream Power (N/m s)	1.08	153.39	8.69
Frctn Loss (m)	0.95	Cum Volume (1000 m3)	0.00	6.60	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.01	8.79	0.03

Plan: Plan 01 TributarioArroyo 1 RS: 611.9851 Profile: T=500

E.G. Elev (m)	800.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.45	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.07	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.07	Flow Area (m2)	0.18	20.60	0.50
E.G. Slope (m/m)	0.008806	Area (m2)	0.18	20.60	0.50
Q Total (m3/s)	62.27	Flow (m3/s)	0.18	61.45	0.65
Top Width (m)	24.75	Top Width (m)	0.92	22.00	1.83
Vel Total (m/s)	2.93	Avg. Vel. (m/s)	0.99	2.98	1.28
Max Chl Dpth (m)	1.23	Hydr. Depth (m)	0.19	0.94	0.27
Conv. Total (m3/s)	663.6	Conv. (m3/s)	1.9	654.8	6.9
Length Wtd. (m)	90.78	Wetted Per. (m)	1.00	22.12	1.91
Min Ch El (m)	798.84	Shear (N/m2)	15.47	80.43	22.71
Alpha	1.03	Stream Power (N/m s)	15.37	239.92	29.17
Frctn Loss (m)	0.78	Cum Volume (1000 m3)	0.03	10.62	0.09
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.17	10.03	0.69

Plan: Plan 01 TributarioArroyo 1 RS: 521.1026 Profile: T=2

E.G. Elev (m)	793.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	793.21	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	793.21	Flow Area (m2)		0.99	
E.G. Slope (m/m)	0.014545	Area (m2)		0.99	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	3.15	Top Width (m)		3.15	
Vel Total (m/s)	1.77	Avg. Vel. (m/s)		1.77	
Max Chl Dpth (m)	0.53	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	14.6	Conv. (m3/s)		14.6	
Length Wtd. (m)	110.80	Wetted Per. (m)		3.39	
Min Ch El (m)	792.68	Shear (N/m2)		41.73	
Alpha	1.00	Stream Power (N/m s)		73.94	
Frctn Loss (m)	1.65	Cum Volume (1000 m3)		0.56	
C & E Loss (m)	0.01	Cum SA (1000 m2)		2.95	

Plan: Plan 01 TributarioArroyo 1 RS: 521.1026 Profile: T=5

E.G. Elev (m)	793.78	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	793.52	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	793.52	Flow Area (m2)		2.10	
E.G. Slope (m/m)	0.012799	Area (m2)		2.10	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	4.09	Top Width (m)		4.09	
Vel Total (m/s)	2.27	Avg. Vel. (m/s)		2.27	
Max Chl Dpth (m)	0.84	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	42.2	Conv. (m3/s)		42.2	
Length Wtd. (m)	110.80	Wetted Per. (m)		4.52	
Min Ch El (m)	792.68	Shear (N/m2)		58.48	
Alpha	1.00	Stream Power (N/m s)		132.55	
Frctn Loss (m)	1.43	Cum Volume (1000 m3)		1.20	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.88	

Plan: Plan 01 TributarioArroyo 1 RS: 521.1026 Profile: T=10

E.G. Elev (m)	794.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	793.87	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	793.87	Flow Area (m2)		4.09	
E.G. Slope (m/m)	0.012209	Area (m2)		4.09	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	7.95	Top Width (m)		7.95	
Vel Total (m/s)	2.24	Avg. Vel. (m/s)		2.24	
Max Chl Dpth (m)	1.19	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	82.8	Conv. (m3/s)		82.8	
Length Wtd. (m)	110.80	Wetted Per. (m)		8.63	
Min Ch El (m)	792.68	Shear (N/m2)		56.71	
Alpha	1.00	Stream Power (N/m s)		126.90	
Frctn Loss (m)	1.33	Cum Volume (1000 m3)		2.00	
C & E Loss (m)	0.00	Cum SA (1000 m2)		4.84	

Plan: Plan 01 TributarioArroyo 1 RS: 521.1026 Profile: T=25

E.G. Elev (m)	794.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.		0.030	
W.S. Elev (m)	794.15	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.15	Flow Area (m2)		6.73	
E.G. Slope (m/m)	0.011872	Area (m2)		6.73	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	11.03	Top Width (m)		11.03	
Vel Total (m/s)	2.48	Avg. Vel. (m/s)		2.48	
Max Chl Dpth (m)	1.47	Hydr. Depth (m)		0.61	
Conv. Total (m3/s)	153.1	Conv. (m3/s)		153.1	
Length Wtd. (m)	110.80	Wetted Per. (m)		11.94	
Min Ch El (m)	792.68	Shear (N/m2)		65.62	
Alpha	1.00	Stream Power (N/m s)		162.62	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)		3.17	
C & E Loss (m)	0.00	Cum SA (1000 m2)		5.69	

Plan: Plan 01 TributarioArroyo 1 RS: 521.1026 Profile: T=50

E.G. Elev (m)	794.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.		0.030	
W.S. Elev (m)	794.35	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.35	Flow Area (m2)		9.12	
E.G. Slope (m/m)	0.011254	Area (m2)		9.12	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	

Plan: Plan 01 TributarioArroyo 1 RS: 521.1026 Profile: T=50 (Continued)

Top Width (m)	13.30	Top Width (m)		13.30	
Vel Total (m/s)	2.61	Avg. Vel. (m/s)		2.61	
Max Chl Dpth (m)	1.67	Hydr. Depth (m)		0.69	
Conv. Total (m3/s)	224.4	Conv. (m3/s)		224.4	
Length Wtd. (m)	110.80	Wetted Per. (m)		14.36	
Min Ch El (m)	792.68	Shear (N/m2)		70.05	
Alpha	1.00	Stream Power (N/m s)		182.93	
Frctn Loss (m)	1.18	Cum Volume (1000 m3)		4.22	
C & E Loss (m)	0.00	Cum SA (1000 m2)		6.45	

Plan: Plan 01 TributarioArroyo 1 RS: 521.1026 Profile: T=100

E.G. Elev (m)	794.94	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.		0.030	
W.S. Elev (m)	794.54	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.54	Flow Area (m2)		11.85	
E.G. Slope (m/m)	0.010526	Area (m2)		11.85	
Q Total (m3/s)	33.27	Flow (m3/s)		33.27	
Top Width (m)	14.79	Top Width (m)		14.79	
Vel Total (m/s)	2.81	Avg. Vel. (m/s)		2.81	
Max Chl Dpth (m)	1.86	Hydr. Depth (m)		0.80	
Conv. Total (m3/s)	324.3	Conv. (m3/s)		324.3	
Length Wtd. (m)	110.80	Wetted Per. (m)		15.93	
Min Ch El (m)	792.68	Shear (N/m2)		76.77	
Alpha	1.00	Stream Power (N/m s)		215.52	
Frctn Loss (m)	1.12	Cum Volume (1000 m3)		5.45	
C & E Loss (m)	0.00	Cum SA (1000 m2)		7.12	

Plan: Plan 01 TributarioArroyo 1 RS: 521.1026 Profile: T=500

E.G. Elev (m)	795.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	794.99	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.99	Flow Area (m2)	0.15	18.97	0.59
E.G. Slope (m/m)	0.008316	Area (m2)	0.15	18.97	0.59
Q Total (m3/s)	62.27	Flow (m3/s)	0.14	61.59	0.54
Top Width (m)	20.25	Top Width (m)	0.73	16.00	3.53
Vel Total (m/s)	3.16	Avg. Vel. (m/s)	0.96	3.25	0.92
Max Chl Dpth (m)	2.31	Hydr. Depth (m)	0.20	1.19	0.17
Conv. Total (m3/s)	682.9	Conv. (m3/s)	1.5	675.4	6.0
Length Wtd. (m)	110.76	Wetted Per. (m)	0.83	17.18	3.54
Min Ch El (m)	792.68	Shear (N/m2)	14.39	90.04	13.60
Alpha	1.05	Stream Power (N/m s)	13.75	292.36	12.52
Frctn Loss (m)	0.94	Cum Volume (1000 m3)	0.02	8.82	0.05
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.09	8.30	0.48

Plan: Plan 01 TributarioArroyo 1 RS: 410.3055 Profile: T=2

E.G. Elev (m)	780.12	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	780.00	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.00	Flow Area (m2)		1.15	
E.G. Slope (m/m)	0.015167	Area (m2)		1.15	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	4.98	Top Width (m)		4.98	
Vel Total (m/s)	1.53	Avg. Vel. (m/s)		1.53	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	14.3	Conv. (m3/s)		14.3	
Length Wtd. (m)	70.28	Wetted Per. (m)		5.06	
Min Ch El (m)	779.59	Shear (N/m2)		33.84	

Plan: Plan 01 TributarioArroyo 1 RS: 410.3055 Profile: T=2 (Continued)

Alpha	1.00	Stream Power (N/m s)		51.78	
Frctn Loss (m)	1.05	Cum Volume (1000 m3)		0.44	
C & E Loss (m)	0.00	Cum SA (1000 m2)		2.50	

Plan: Plan 01 TributarioArroyo 1 RS: 410.3055 Profile: T=5

E.G. Elev (m)	780.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	780.23	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.23	Flow Area (m2)		2.49	
E.G. Slope (m/m)	0.012973	Area (m2)		2.49	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	6.85	Top Width (m)		6.85	
Vel Total (m/s)	1.91	Avg. Vel. (m/s)		1.91	
Max Chl Dpth (m)	0.64	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	41.9	Conv. (m3/s)		41.9	
Length Wtd. (m)	70.28	Wetted Per. (m)		6.98	
Min Ch El (m)	779.59	Shear (N/m2)		45.48	
Alpha	1.00	Stream Power (N/m s)		86.97	
Frctn Loss (m)	0.90	Cum Volume (1000 m3)		0.94	
C & E Loss (m)	0.00	Cum SA (1000 m2)		3.27	

Plan: Plan 01 TributarioArroyo 1 RS: 410.3055 Profile: T=10

E.G. Elev (m)	780.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	780.44	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.44	Flow Area (m2)		4.16	
E.G. Slope (m/m)	0.011843	Area (m2)		4.16	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	8.64	Top Width (m)		8.64	
Vel Total (m/s)	2.20	Avg. Vel. (m/s)		2.20	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)		0.48	
Conv. Total (m3/s)	84.1	Conv. (m3/s)		84.1	
Length Wtd. (m)	70.28	Wetted Per. (m)		8.82	
Min Ch El (m)	779.59	Shear (N/m2)		54.80	
Alpha	1.00	Stream Power (N/m s)		120.47	
Frctn Loss (m)	0.82	Cum Volume (1000 m3)		1.55	
C & E Loss (m)	0.01	Cum SA (1000 m2)		3.92	

Plan: Plan 01 TributarioArroyo 1 RS: 410.3055 Profile: T=25

E.G. Elev (m)	781.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.		0.030	
W.S. Elev (m)	780.71	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.71	Flow Area (m2)		6.69	
E.G. Slope (m/m)	0.010623	Area (m2)		6.69	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	10.59	Top Width (m)		10.59	
Vel Total (m/s)	2.49	Avg. Vel. (m/s)		2.49	
Max Chl Dpth (m)	1.11	Hydr. Depth (m)		0.63	
Conv. Total (m3/s)	161.8	Conv. (m3/s)		161.8	
Length Wtd. (m)	70.28	Wetted Per. (m)		10.84	
Min Ch El (m)	779.59	Shear (N/m2)		64.34	
Alpha	1.00	Stream Power (N/m s)		160.31	
Frctn Loss (m)	0.75	Cum Volume (1000 m3)		2.43	
C & E Loss (m)	0.01	Cum SA (1000 m2)		4.49	

Plan: Plan 01 TributarioArroyo 1 RS: 410.3055 Profile: T=50

E.G. Elev (m)	781.27	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	
W.S. Elev (m)	780.89	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.89	Flow Area (m2)		8.76	
E.G. Slope (m/m)	0.010077	Area (m2)		8.76	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	
Top Width (m)	11.66	Top Width (m)		11.66	
Vel Total (m/s)	2.72	Avg. Vel. (m/s)		2.72	
Max Chl Dpth (m)	1.30	Hydr. Depth (m)		0.75	
Conv. Total (m3/s)	237.2	Conv. (m3/s)		237.2	
Length Wtd. (m)	70.28	Wetted Per. (m)		11.98	
Min Ch El (m)	779.59	Shear (N/m2)		72.31	
Alpha	1.00	Stream Power (N/m s)		196.49	
Frctn Loss (m)	0.71	Cum Volume (1000 m3)		3.22	
C & E Loss (m)	0.01	Cum SA (1000 m2)		5.06	

Plan: Plan 01 TributarioArroyo 1 RS: 410.3055 Profile: T=100

E.G. Elev (m)	781.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.45	Wt. n-Val.		0.030	
W.S. Elev (m)	781.09	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.09	Flow Area (m2)		11.25	
E.G. Slope (m/m)	0.009768	Area (m2)		11.25	
Q Total (m3/s)	33.27	Flow (m3/s)		33.27	
Top Width (m)	12.83	Top Width (m)		12.83	
Vel Total (m/s)	2.96	Avg. Vel. (m/s)		2.96	
Max Chl Dpth (m)	1.50	Hydr. Depth (m)		0.88	
Conv. Total (m3/s)	336.6	Conv. (m3/s)		336.6	
Length Wtd. (m)	70.28	Wetted Per. (m)		13.21	
Min Ch El (m)	779.59	Shear (N/m2)		81.52	
Alpha	1.00	Stream Power (N/m s)		241.18	
Frctn Loss (m)	0.69	Cum Volume (1000 m3)		4.17	
C & E Loss (m)	0.01	Cum SA (1000 m2)		5.59	

Plan: Plan 01 TributarioArroyo 1 RS: 410.3055 Profile: T=500

E.G. Elev (m)	782.18	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	781.60	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.60	Flow Area (m2)	0.08	18.39	
E.G. Slope (m/m)	0.008732	Area (m2)	0.08	18.39	
Q Total (m3/s)	62.27	Flow (m3/s)	0.07	62.20	
Top Width (m)	16.26	Top Width (m)	0.49	15.77	
Vel Total (m/s)	3.37	Avg. Vel. (m/s)	0.83	3.38	
Max Chl Dpth (m)	2.01	Hydr. Depth (m)	0.17	1.17	
Conv. Total (m3/s)	666.4	Conv. (m3/s)	0.7	665.6	
Length Wtd. (m)	70.28	Wetted Per. (m)	0.59	16.24	
Min Ch El (m)	779.59	Shear (N/m2)	11.86	96.93	
Alpha	1.01	Stream Power (N/m s)	9.89	327.92	
Frctn Loss (m)	0.62	Cum Volume (1000 m3)	0.00	6.75	0.02
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.02	6.54	0.31

Plan: Plan 01 TributarioArroyo 1 RS: 340.0257 Profile: T=2

E.G. Elev (m)	770.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	770.30	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	770.30	Flow Area (m2)		1.06	
E.G. Slope (m/m)	0.014830	Area (m2)		1.06	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	

Plan: Plan 01 TributarioArroyo 1 RS: 340.0257 Profile: T=2 (Continued)

Top Width (m)	3.89	Top Width (m)		3.89	
Vel Total (m/s)	1.66	Avg. Vel. (m/s)		1.66	
Max Chl Dpth (m)	0.54	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	14.5	Conv. (m3/s)		14.5	
Length Wtd. (m)	104.00	Wetted Per. (m)		4.04	
Min Ch El (m)	769.76	Shear (N/m2)		38.13	
Alpha	1.00	Stream Power (N/m s)		63.40	
Frctn Loss (m)	1.57	Cum Volume (1000 m3)		0.36	
C & E Loss (m)	0.01	Cum SA (1000 m2)		2.19	

Plan: Plan 01 TributarioArroyo 1 RS: 340.0257 Profile: T=5

E.G. Elev (m)	770.80	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	770.57	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	770.57	Flow Area (m2)		2.24	
E.G. Slope (m/m)	0.012693	Area (m2)		2.24	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	4.98	Top Width (m)		4.98	
Vel Total (m/s)	2.13	Avg. Vel. (m/s)		2.13	
Max Chl Dpth (m)	0.81	Hydr. Depth (m)		0.45	
Conv. Total (m3/s)	42.3	Conv. (m3/s)		42.3	
Length Wtd. (m)	104.00	Wetted Per. (m)		5.26	
Min Ch El (m)	769.76	Shear (N/m2)		53.08	
Alpha	1.00	Stream Power (N/m s)		112.93	
Frctn Loss (m)	1.34	Cum Volume (1000 m3)		0.78	
C & E Loss (m)	0.02	Cum SA (1000 m2)		2.86	

Plan: Plan 01 TributarioArroyo 1 RS: 340.0257 Profile: T=10

E.G. Elev (m)	771.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.		0.030	
W.S. Elev (m)	770.83	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	770.83	Flow Area (m2)		3.69	
E.G. Slope (m/m)	0.011586	Area (m2)		3.69	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	6.02	Top Width (m)		6.02	
Vel Total (m/s)	2.48	Avg. Vel. (m/s)		2.48	
Max Chl Dpth (m)	1.07	Hydr. Depth (m)		0.61	
Conv. Total (m3/s)	85.0	Conv. (m3/s)		85.0	
Length Wtd. (m)	104.00	Wetted Per. (m)		6.42	
Min Ch El (m)	769.76	Shear (N/m2)		65.32	
Alpha	1.00	Stream Power (N/m s)		162.03	
Frctn Loss (m)	1.22	Cum Volume (1000 m3)		1.27	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.41	

Plan: Plan 01 TributarioArroyo 1 RS: 340.0257 Profile: T=25

E.G. Elev (m)	771.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.41	Wt. n-Val.		0.030	
W.S. Elev (m)	771.16	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.16	Flow Area (m2)		5.89	
E.G. Slope (m/m)	0.010642	Area (m2)		5.89	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	7.31	Top Width (m)		7.31	
Vel Total (m/s)	2.83	Avg. Vel. (m/s)		2.83	
Max Chl Dpth (m)	1.40	Hydr. Depth (m)		0.81	
Conv. Total (m3/s)	161.7	Conv. (m3/s)		161.7	
Length Wtd. (m)	104.00	Wetted Per. (m)		7.87	
Min Ch El (m)	769.76	Shear (N/m2)		78.07	

Plan: Plan 01 TributarioArroyo 1 RS: 340.0257 Profile: T=25 (Continued)

Alpha	1.00	Stream Power (N/m s)		221.21	
Frctn Loss (m)	1.11	Cum Volume (1000 m3)		1.99	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.86	

Plan: Plan 01 TributarioArroyo 1 RS: 340.0257 Profile: T=50

E.G. Elev (m)	771.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.48	Wt. n-Val.		0.030	
W.S. Elev (m)	771.40	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.40	Flow Area (m2)		7.75	
E.G. Slope (m/m)	0.010193	Area (m2)		7.75	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	
Top Width (m)	8.21	Top Width (m)		8.21	
Vel Total (m/s)	3.07	Avg. Vel. (m/s)		3.07	
Max Chl Dpth (m)	1.64	Hydr. Depth (m)		0.94	
Conv. Total (m3/s)	235.8	Conv. (m3/s)		235.8	
Length Wtd. (m)	104.00	Wetted Per. (m)		8.89	
Min Ch El (m)	769.76	Shear (N/m2)		87.16	
Alpha	1.00	Stream Power (N/m s)		267.73	
Frctn Loss (m)	1.07	Cum Volume (1000 m3)		2.64	
C & E Loss (m)	0.04	Cum SA (1000 m2)		4.37	

Plan: Plan 01 TributarioArroyo 1 RS: 340.0257 Profile: T=100

E.G. Elev (m)	772.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.56	Wt. n-Val.		0.030	
W.S. Elev (m)	771.66	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.66	Flow Area (m2)		10.02	
E.G. Slope (m/m)	0.009764	Area (m2)		10.02	
Q Total (m3/s)	33.27	Flow (m3/s)		33.27	
Top Width (m)	9.07	Top Width (m)		9.07	
Vel Total (m/s)	3.32	Avg. Vel. (m/s)		3.32	
Max Chl Dpth (m)	1.90	Hydr. Depth (m)		1.10	
Conv. Total (m3/s)	336.7	Conv. (m3/s)		336.7	
Length Wtd. (m)	104.00	Wetted Per. (m)		9.90	
Min Ch El (m)	769.76	Shear (N/m2)		96.93	
Alpha	1.00	Stream Power (N/m s)		321.86	
Frctn Loss (m)	1.04	Cum Volume (1000 m3)		3.42	
C & E Loss (m)	0.04	Cum SA (1000 m2)		4.82	

Plan: Plan 01 TributarioArroyo 1 RS: 340.0257 Profile: T=500

E.G. Elev (m)	773.03	Element	Left OB	Channel	Right OB
Vel Head (m)	0.75	Wt. n-Val.		0.030	
W.S. Elev (m)	772.28	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	772.28	Flow Area (m2)		16.28	
E.G. Slope (m/m)	0.009037	Area (m2)		16.28	
Q Total (m3/s)	62.27	Flow (m3/s)		62.27	
Top Width (m)	11.11	Top Width (m)		11.11	
Vel Total (m/s)	3.82	Avg. Vel. (m/s)		3.82	
Max Chl Dpth (m)	2.52	Hydr. Depth (m)		1.47	
Conv. Total (m3/s)	655.0	Conv. (m3/s)		655.0	
Length Wtd. (m)	103.99	Wetted Per. (m)		12.28	
Min Ch El (m)	769.76	Shear (N/m2)		117.49	
Alpha	1.00	Stream Power (N/m s)		449.29	
Frctn Loss (m)	0.92	Cum Volume (1000 m3)	0.00	5.53	0.02
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.00	5.60	0.31

Plan: Plan 01 TributarioArroyo 1 RS: 236.0229 Profile: T=2

E.G. Elev (m)	759.85	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	759.74	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	759.74	Flow Area (m2)		1.18	
E.G. Slope (m/m)	0.015282	Area (m2)		1.18	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	5.36	Top Width (m)		5.36	
Vel Total (m/s)	1.49	Avg. Vel. (m/s)		1.49	
Max Chl Dpth (m)	0.36	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	14.2	Conv. (m3/s)		14.2	
Length Wtd. (m)	79.99	Wetted Per. (m)		5.42	
Min Ch El (m)	759.38	Shear (N/m2)		32.63	
Alpha	1.00	Stream Power (N/m s)		48.66	
Frctn Loss (m)	1.25	Cum Volume (1000 m3)		0.25	
C & E Loss (m)	0.01	Cum SA (1000 m2)		1.71	

Plan: Plan 01 TributarioArroyo 1 RS: 236.0229 Profile: T=5

E.G. Elev (m)	760.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	759.96	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	759.96	Flow Area (m2)		2.57	
E.G. Slope (m/m)	0.013021	Area (m2)		2.57	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	7.47	Top Width (m)		7.47	
Vel Total (m/s)	1.85	Avg. Vel. (m/s)		1.85	
Max Chl Dpth (m)	0.58	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	41.8	Conv. (m3/s)		41.8	
Length Wtd. (m)	79.99	Wetted Per. (m)		7.58	
Min Ch El (m)	759.38	Shear (N/m2)		43.40	
Alpha	1.00	Stream Power (N/m s)		80.39	
Frctn Loss (m)	1.06	Cum Volume (1000 m3)		0.53	
C & E Loss (m)	0.01	Cum SA (1000 m2)		2.21	

Plan: Plan 01 TributarioArroyo 1 RS: 236.0229 Profile: T=10

E.G. Elev (m)	760.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	760.15	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.15	Flow Area (m2)		4.16	
E.G. Slope (m/m)	0.011882	Area (m2)		4.16	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	8.62	Top Width (m)		8.62	
Vel Total (m/s)	2.20	Avg. Vel. (m/s)		2.20	
Max Chl Dpth (m)	0.77	Hydr. Depth (m)		0.48	
Conv. Total (m3/s)	83.9	Conv. (m3/s)		83.9	
Length Wtd. (m)	79.99	Wetted Per. (m)		8.81	
Min Ch El (m)	759.38	Shear (N/m2)		54.97	
Alpha	1.00	Stream Power (N/m s)		121.05	
Frctn Loss (m)	0.97	Cum Volume (1000 m3)		0.86	
C & E Loss (m)	0.01	Cum SA (1000 m2)		2.65	

Plan: Plan 01 TributarioArroyo 1 RS: 236.0229 Profile: T=25

E.G. Elev (m)	760.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	760.40	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.40	Flow Area (m2)		6.50	
E.G. Slope (m/m)	0.010710	Area (m2)		6.50	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	

Plan: Plan 01 TributarioArroyo 1 RS: 236.0229 Profile: T=25 (Continued)

Top Width (m)	9.83	Top Width (m)		9.83	
Vel Total (m/s)	2.57	Avg. Vel. (m/s)		2.57	
Max Chl Dpth (m)	1.02	Hydr. Depth (m)		0.66	
Conv. Total (m3/s)	161.2	Conv. (m3/s)		161.2	
Length Wtd. (m)	79.99	Wetted Per. (m)		10.12	
Min Ch El (m)	759.38	Shear (N/m2)		67.44	
Alpha	1.00	Stream Power (N/m s)		173.17	
Frctn Loss (m)	0.88	Cum Volume (1000 m3)		1.34	
C & E Loss (m)	0.02	Cum SA (1000 m2)		2.97	

Plan: Plan 01 TributarioArroyo 1 RS: 236.0229 Profile: T=50

E.G. Elev (m)	760.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.		0.030	
W.S. Elev (m)	760.63	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.63	Flow Area (m2)		8.92	
E.G. Slope (m/m)	0.010350	Area (m2)		8.92	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	
Top Width (m)	12.38	Top Width (m)		12.38	
Vel Total (m/s)	2.67	Avg. Vel. (m/s)		2.67	
Max Chl Dpth (m)	1.25	Hydr. Depth (m)		0.72	
Conv. Total (m3/s)	234.0	Conv. (m3/s)		234.0	
Length Wtd. (m)	79.99	Wetted Per. (m)		12.79	
Min Ch El (m)	759.38	Shear (N/m2)		70.82	
Alpha	1.00	Stream Power (N/m s)		188.94	
Frctn Loss (m)	0.84	Cum Volume (1000 m3)		1.78	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.29	

Plan: Plan 01 TributarioArroyo 1 RS: 236.0229 Profile: T=100

E.G. Elev (m)	761.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.41	Wt. n-Val.		0.030	
W.S. Elev (m)	760.83	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.83	Flow Area (m2)		11.68	
E.G. Slope (m/m)	0.010158	Area (m2)		11.68	
Q Total (m3/s)	33.27	Flow (m3/s)		33.27	
Top Width (m)	14.44	Top Width (m)		14.44	
Vel Total (m/s)	2.85	Avg. Vel. (m/s)		2.85	
Max Chl Dpth (m)	1.45	Hydr. Depth (m)		0.81	
Conv. Total (m3/s)	330.1	Conv. (m3/s)		330.1	
Length Wtd. (m)	79.99	Wetted Per. (m)		14.96	
Min Ch El (m)	759.38	Shear (N/m2)		77.78	
Alpha	1.00	Stream Power (N/m s)		221.57	
Frctn Loss (m)	0.81	Cum Volume (1000 m3)		2.30	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.60	

Plan: Plan 01 TributarioArroyo 1 RS: 236.0229 Profile: T=500

E.G. Elev (m)	761.84	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.	0.000	0.030	0.030
W.S. Elev (m)	761.31	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	761.31	Flow Area (m2)	0.00	19.23	0.18
E.G. Slope (m/m)	0.008585	Area (m2)	0.00	19.23	0.18
Q Total (m3/s)	62.27	Flow (m3/s)	0.00	62.19	0.08
Top Width (m)	20.60	Top Width (m)	0.02	17.24	3.33
Vel Total (m/s)	3.21	Avg. Vel. (m/s)	0.09	3.23	0.45
Max Chl Dpth (m)	1.93	Hydr. Depth (m)	0.01	1.12	0.06
Conv. Total (m3/s)	672.1	Conv. (m3/s)	0.0	671.2	0.9
Length Wtd. (m)	79.99	Wetted Per. (m)	0.03	17.94	3.34
Min Ch El (m)	759.38	Shear (N/m2)		90.22	4.65

Plan: Plan 01 TributarioArroyo 1 RS: 236.0229 Profile: T=500 (Continued)

Alpha	1.02	Stream Power (N/m s)		291.82	2.08
Frctn Loss (m)	0.71	Cum Volume (1000 m3)	0.00	3.69	0.01
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.00	4.13	0.16

Plan: Plan 01 TributarioArroyo 1 RS: 156.0341 Profile: T=2

E.G. Elev (m)	752.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	752.52	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	752.52	Flow Area (m2)		1.30	
E.G. Slope (m/m)	0.016003	Area (m2)		1.30	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	7.13	Top Width (m)		7.13	
Vel Total (m/s)	1.35	Avg. Vel. (m/s)		1.35	
Max Chl Dpth (m)	0.31	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	13.9	Conv. (m3/s)		13.9	
Length Wtd. (m)	96.20	Wetted Per. (m)		7.17	
Min Ch El (m)	752.21	Shear (N/m2)		28.50	
Alpha	1.00	Stream Power (N/m s)		38.55	
Frctn Loss (m)	1.68	Cum Volume (1000 m3)		0.15	
C & E Loss (m)	0.01	Cum SA (1000 m2)		1.21	

Plan: Plan 01 TributarioArroyo 1 RS: 156.0341 Profile: T=5

E.G. Elev (m)	752.85	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	752.70	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	752.70	Flow Area (m2)		2.78	
E.G. Slope (m/m)	0.013590	Area (m2)		2.78	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	9.40	Top Width (m)		9.40	
Vel Total (m/s)	1.72	Avg. Vel. (m/s)		1.72	
Max Chl Dpth (m)	0.49	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	40.9	Conv. (m3/s)		40.9	
Length Wtd. (m)	96.20	Wetted Per. (m)		9.47	
Min Ch El (m)	752.21	Shear (N/m2)		39.13	
Alpha	1.00	Stream Power (N/m s)		67.16	
Frctn Loss (m)	1.44	Cum Volume (1000 m3)		0.31	
C & E Loss (m)	0.02	Cum SA (1000 m2)		1.53	

Plan: Plan 01 TributarioArroyo 1 RS: 156.0341 Profile: T=10

E.G. Elev (m)	753.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	752.87	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	752.87	Flow Area (m2)		4.60	
E.G. Slope (m/m)	0.012372	Area (m2)		4.60	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	11.59	Top Width (m)		11.59	
Vel Total (m/s)	1.99	Avg. Vel. (m/s)		1.99	
Max Chl Dpth (m)	0.66	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	82.3	Conv. (m3/s)		82.3	
Length Wtd. (m)	96.20	Wetted Per. (m)		11.69	
Min Ch El (m)	752.21	Shear (N/m2)		47.71	
Alpha	1.00	Stream Power (N/m s)		94.96	
Frctn Loss (m)	1.31	Cum Volume (1000 m3)		0.51	
C & E Loss (m)	0.03	Cum SA (1000 m2)		1.84	

Plan: Plan 01 TributarioArroyo 1 RS: 156.0341 Profile: T=25

E.G. Elev (m)	753.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	753.08	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.08	Flow Area (m2)		7.28	
E.G. Slope (m/m)	0.011254	Area (m2)		7.28	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	13.82	Top Width (m)		13.82	
Vel Total (m/s)	2.29	Avg. Vel. (m/s)		2.29	
Max Chl Dpth (m)	0.87	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	157.2	Conv. (m3/s)		157.2	
Length Wtd. (m)	96.20	Wetted Per. (m)		13.96	
Min Ch El (m)	752.21	Shear (N/m2)		57.55	
Alpha	1.00	Stream Power (N/m s)		131.84	
Frctn Loss (m)	1.17	Cum Volume (1000 m3)		0.79	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.03	

Plan: Plan 01 TributarioArroyo 1 RS: 156.0341 Profile: T=50

E.G. Elev (m)	753.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.		0.030	
W.S. Elev (m)	753.24	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.24	Flow Area (m2)		9.63	
E.G. Slope (m/m)	0.010704	Area (m2)		9.63	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	
Top Width (m)	15.71	Top Width (m)		15.71	
Vel Total (m/s)	2.47	Avg. Vel. (m/s)		2.47	
Max Chl Dpth (m)	1.03	Hydr. Depth (m)		0.61	
Conv. Total (m3/s)	230.1	Conv. (m3/s)		230.1	
Length Wtd. (m)	96.20	Wetted Per. (m)		15.88	
Min Ch El (m)	752.21	Shear (N/m2)		63.68	
Alpha	1.00	Stream Power (N/m s)		157.38	
Frctn Loss (m)	1.10	Cum Volume (1000 m3)		1.04	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.17	

Plan: Plan 01 TributarioArroyo 1 RS: 156.0341 Profile: T=100

E.G. Elev (m)	753.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.		0.030	
W.S. Elev (m)	753.42	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.42	Flow Area (m2)		12.58	
E.G. Slope (m/m)	0.010205	Area (m2)		12.58	
Q Total (m3/s)	33.27	Flow (m3/s)		33.27	
Top Width (m)	17.87	Top Width (m)		17.87	
Vel Total (m/s)	2.65	Avg. Vel. (m/s)		2.65	
Max Chl Dpth (m)	1.21	Hydr. Depth (m)		0.70	
Conv. Total (m3/s)	329.3	Conv. (m3/s)		329.3	
Length Wtd. (m)	96.20	Wetted Per. (m)		18.07	
Min Ch El (m)	752.21	Shear (N/m2)		69.67	
Alpha	1.00	Stream Power (N/m s)		184.30	
Frctn Loss (m)	1.03	Cum Volume (1000 m3)		1.33	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.31	

Plan: Plan 01 TributarioArroyo 1 RS: 156.0341 Profile: T=500

E.G. Elev (m)	754.28	Element	Left OB	Channel	Right OB
Vel Head (m)	0.47	Wt. n-Val.		0.030	
W.S. Elev (m)	753.81	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.81	Flow Area (m2)		20.51	
E.G. Slope (m/m)	0.009262	Area (m2)		20.51	
Q Total (m3/s)	62.27	Flow (m3/s)		62.27	

Plan: Plan 01 TributarioArroyo 1 RS: 156.0341 Profile: T=500 (Continued)

Top Width (m)	21.97	Top Width (m)		21.97	
Vel Total (m/s)	3.04	Avg. Vel. (m/s)		3.04	
Max Chl Dpth (m)	1.60	Hydr. Depth (m)		0.93	
Conv. Total (m3/s)	647.0	Conv. (m3/s)		647.0	
Length Wtd. (m)	96.20	Wetted Per. (m)		22.28	
Min Ch El (m)	752.21	Shear (N/m2)		83.62	
Alpha	1.00	Stream Power (N/m s)		253.86	
Frctn Loss (m)	0.92	Cum Volume (1000 m3)		2.10	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.56	0.02

Plan: Plan 01 TributarioArroyo 1 RS: 59.83515 Profile: T=2

E.G. Elev (m)	746.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	746.70	Reach Len. (m)			
Crit W.S. (m)	746.70	Flow Area (m2)		1.78	
E.G. Slope (m/m)	0.019074	Area (m2)		1.78	
Q Total (m3/s)	1.76	Flow (m3/s)		1.76	
Top Width (m)	17.97	Top Width (m)		17.97	
Vel Total (m/s)	0.99	Avg. Vel. (m/s)		0.99	
Max Chl Dpth (m)	0.22	Hydr. Depth (m)		0.10	
Conv. Total (m3/s)	12.7	Conv. (m3/s)		12.7	
Length Wtd. (m)		Wetted Per. (m)		17.99	
Min Ch El (m)	746.48	Shear (N/m2)		18.55	
Alpha	1.00	Stream Power (N/m s)		18.30	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 TributarioArroyo 1 RS: 59.83515 Profile: T=5

E.G. Elev (m)	746.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	746.80	Reach Len. (m)			
Crit W.S. (m)	746.80	Flow Area (m2)		3.71	
E.G. Slope (m/m)	0.016568	Area (m2)		3.71	
Q Total (m3/s)	4.77	Flow (m3/s)		4.77	
Top Width (m)	22.51	Top Width (m)		22.51	
Vel Total (m/s)	1.29	Avg. Vel. (m/s)		1.29	
Max Chl Dpth (m)	0.32	Hydr. Depth (m)		0.16	
Conv. Total (m3/s)	37.1	Conv. (m3/s)		37.1	
Length Wtd. (m)		Wetted Per. (m)		22.54	
Min Ch El (m)	746.48	Shear (N/m2)		26.70	
Alpha	1.00	Stream Power (N/m s)		34.38	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 TributarioArroyo 1 RS: 59.83515 Profile: T=10

E.G. Elev (m)	747.01	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	746.89	Reach Len. (m)			
Crit W.S. (m)	746.89	Flow Area (m2)		6.03	
E.G. Slope (m/m)	0.015045	Area (m2)		6.03	
Q Total (m3/s)	9.15	Flow (m3/s)		9.15	
Top Width (m)	26.62	Top Width (m)		26.62	
Vel Total (m/s)	1.52	Avg. Vel. (m/s)		1.52	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	74.6	Conv. (m3/s)		74.6	
Length Wtd. (m)		Wetted Per. (m)		26.67	
Min Ch El (m)	746.48	Shear (N/m2)		33.36	

Plan: Plan 01 TributarioArroyo 1 RS: 59.83515 Profile: T=10 (Continued)

Alpha	1.00	Stream Power (N/m s)		50.62	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 TributarioArroyo 1 RS: 59.83515 Profile: T=25

E.G. Elev (m)	747.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	747.00	Reach Len. (m)			
Crit W.S. (m)	747.00	Flow Area (m2)		9.22	
E.G. Slope (m/m)	0.013195	Area (m2)		9.22	
Q Total (m3/s)	16.68	Flow (m3/s)		16.68	
Top Width (m)	28.31	Top Width (m)		28.31	
Vel Total (m/s)	1.81	Avg. Vel. (m/s)		1.81	
Max Chl Dpth (m)	0.52	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	145.2	Conv. (m3/s)		145.2	
Length Wtd. (m)		Wetted Per. (m)		28.39	
Min Ch El (m)	746.48	Shear (N/m2)		42.03	
Alpha	1.00	Stream Power (N/m s)		76.04	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 TributarioArroyo 1 RS: 59.83515 Profile: T=50

E.G. Elev (m)	747.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	747.10	Reach Len. (m)			
Crit W.S. (m)	747.10	Flow Area (m2)		11.89	
E.G. Slope (m/m)	0.012149	Area (m2)		11.89	
Q Total (m3/s)	23.81	Flow (m3/s)		23.81	
Top Width (m)	29.43	Top Width (m)		29.43	
Vel Total (m/s)	2.00	Avg. Vel. (m/s)		2.00	
Max Chl Dpth (m)	0.62	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	216.0	Conv. (m3/s)		216.0	
Length Wtd. (m)		Wetted Per. (m)		29.53	
Min Ch El (m)	746.48	Shear (N/m2)		47.96	
Alpha	1.00	Stream Power (N/m s)		96.07	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 TributarioArroyo 1 RS: 59.83515 Profile: T=100

E.G. Elev (m)	747.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	747.20	Reach Len. (m)			
Crit W.S. (m)	747.20	Flow Area (m2)		14.98	
E.G. Slope (m/m)	0.011325	Area (m2)		14.98	
Q Total (m3/s)	33.27	Flow (m3/s)		33.27	
Top Width (m)	30.09	Top Width (m)		30.09	
Vel Total (m/s)	2.22	Avg. Vel. (m/s)		2.22	
Max Chl Dpth (m)	0.72	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	312.6	Conv. (m3/s)		312.6	
Length Wtd. (m)		Wetted Per. (m)		30.22	
Min Ch El (m)	746.48	Shear (N/m2)		55.04	
Alpha	1.00	Stream Power (N/m s)		122.28	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 01 TributarioArroyo 1 RS: 59.83515 Profile: T=500

E.G. Elev (m)	747.83	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	747.46	Reach Len. (m)			
Crit W.S. (m)	747.46	Flow Area (m2)		23.06	0.03
E.G. Slope (m/m)	0.009882	Area (m2)		23.06	0.03
Q Total (m3/s)	62.27	Flow (m3/s)		62.25	0.02
Top Width (m)	31.58	Top Width (m)		31.19	0.38
Vel Total (m/s)	2.70	Avg. Vel. (m/s)		2.70	0.61
Max Chl Dpth (m)	0.98	Hydr. Depth (m)		0.74	0.09
Conv. Total (m3/s)	626.4	Conv. (m3/s)		626.2	0.2
Length Wtd. (m)		Wetted Per. (m)		31.37	0.42
Min Ch El (m)	746.48	Shear (N/m2)		71.24	7.65
Alpha	1.00	Stream Power (N/m s)		192.30	4.66
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

ESCENARIO SUELO NORMAL

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=2

E.G. Elev (m)	816.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.47	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.47	Flow Area (m2)	0.05	7.73	0.16
E.G. Slope (m/m)	0.012412	Area (m2)	0.05	7.73	0.16
Q Total (m3/s)	14.43	Flow (m3/s)	0.02	14.27	0.13
Top Width (m)	24.49	Top Width (m)	1.03	21.91	1.55
Vel Total (m/s)	1.82	Avg. Vel. (m/s)	0.49	1.85	0.82
Max Chl Dpth (m)	0.65	Hydr. Depth (m)	0.05	0.35	0.10
Conv. Total (m3/s)	129.5	Conv. (m3/s)	0.2	128.1	1.2
Length Wtd. (m)	183.61	Wetted Per. (m)	1.03	22.02	1.56
Min Ch El (m)	815.82	Shear (N/m2)	5.91	42.71	12.61
Alpha	1.02	Stream Power (N/m s)	2.92	78.90	10.33
Frctn Loss (m)	4.95	Cum Volume (1000 m3)	0.13	5.04	0.01
C & E Loss (m)	0.09	Cum SA (1000 m2)	0.89	15.22	0.16

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=5

E.G. Elev (m)	816.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.67	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.67	Flow Area (m2)	0.50	12.20	0.64
E.G. Slope (m/m)	0.009826	Area (m2)	0.50	12.20	0.64
Q Total (m3/s)	28.38	Flow (m3/s)	0.45	27.21	0.72
Top Width (m)	28.57	Top Width (m)	3.47	21.91	3.19
Vel Total (m/s)	2.13	Avg. Vel. (m/s)	0.90	2.23	1.13
Max Chl Dpth (m)	0.85	Hydr. Depth (m)	0.14	0.56	0.20
Conv. Total (m3/s)	286.3	Conv. (m3/s)	4.5	274.5	7.3
Length Wtd. (m)	183.55	Wetted Per. (m)	3.48	22.02	3.22
Min Ch El (m)	815.82	Shear (N/m2)	13.70	53.41	19.22
Alpha	1.06	Stream Power (N/m s)	12.33	119.07	21.68
Frctn Loss (m)	4.25	Cum Volume (1000 m3)	0.37	7.95	0.08
C & E Loss (m)	0.16	Cum SA (1000 m2)	2.19	17.43	0.61

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=10

E.G. Elev (m)	817.12	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.83	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.83	Flow Area (m2)	1.16	15.65	1.24
E.G. Slope (m/m)	0.008661	Area (m2)	1.16	15.65	1.24
Q Total (m3/s)	41.73	Flow (m3/s)	1.40	38.65	1.69
Top Width (m)	30.94	Top Width (m)	4.80	21.91	4.22
Vel Total (m/s)	2.31	Avg. Vel. (m/s)	1.20	2.47	1.36
Max Chl Dpth (m)	1.01	Hydr. Depth (m)	0.24	0.71	0.29
Conv. Total (m3/s)	448.4	Conv. (m3/s)	15.0	415.3	18.1
Length Wtd. (m)	183.56	Wetted Per. (m)	4.83	22.02	4.26
Min Ch El (m)	815.82	Shear (N/m2)	20.46	60.35	24.67
Alpha	1.08	Stream Power (N/m s)	24.57	149.07	33.56
Frctn Loss (m)	3.89	Cum Volume (1000 m3)	0.67	10.15	0.19
C & E Loss (m)	0.20	Cum SA (1000 m2)	3.04	18.11	1.07

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=25

E.G. Elev (m)	830.26	Element	Left OB	Channel	Right OB
Vel Head (m)	3.30	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	826.96	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	826.96	Flow Area (m2)	336.75	237.55	236.19
E.G. Slope (m/m)	0.003807	Area (m2)	336.75	237.55	236.19
Q Total (m3/s)	6071.00	Flow (m3/s)	2150.84	2385.26	1534.90

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=25 (Continued)

Top Width (m)	121.99	Top Width (m)	59.70	21.91	40.38
Vel Total (m/s)	7.49	Avg. Vel. (m/s)	6.39	10.04	6.50
Max Chl Dpth (m)	11.14	Hydr. Depth (m)	5.64	10.84	5.85
Conv. Total (m3/s)	98396.9	Conv. (m3/s)	34860.1	38659.6	24877.2
Length Wtd. (m)	183.97	Wetted Per. (m)	61.53	22.02	42.05
Min Ch El (m)	815.82	Shear (N/m2)	204.30	402.73	209.68
Alpha	1.15	Stream Power (N/m s)	1304.89	4043.84	1362.61
Frctn Loss (m)	1.23	Cum Volume (1000 m3)	183.54	156.17	152.99
C & E Loss (m)	0.60	Cum SA (1000 m2)	49.22	19.10	39.39

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=50

E.G. Elev (m)	817.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	817.14	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	817.14	Flow Area (m2)	2.93	22.39	2.71
E.G. Slope (m/m)	0.007828	Area (m2)	2.93	22.39	2.71
Q Total (m3/s)	76.79	Flow (m3/s)	5.02	66.75	5.03
Top Width (m)	33.88	Top Width (m)	6.60	21.91	5.36
Vel Total (m/s)	2.74	Avg. Vel. (m/s)	1.71	2.98	1.85
Max Chl Dpth (m)	1.32	Hydr. Depth (m)	0.44	1.02	0.51
Conv. Total (m3/s)	867.9	Conv. (m3/s)	56.7	754.4	56.8
Length Wtd. (m)	184.10	Wetted Per. (m)	6.65	22.02	5.44
Min Ch El (m)	815.82	Shear (N/m2)	33.86	78.04	38.25
Alpha	1.09	Stream Power (N/m s)	57.86	232.70	70.90
Frctn Loss (m)	3.52	Cum Volume (1000 m3)	1.70	14.70	0.57
C & E Loss (m)	0.24	Cum SA (1000 m2)	5.37	18.92	1.97

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=100

E.G. Elev (m)	817.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.48	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	817.28	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	817.28	Flow Area (m2)	3.89	25.40	3.49
E.G. Slope (m/m)	0.007745	Area (m2)	3.89	25.40	3.49
Q Total (m3/s)	96.61	Flow (m3/s)	7.48	81.98	7.15
Top Width (m)	35.04	Top Width (m)	7.26	21.91	5.87
Vel Total (m/s)	2.95	Avg. Vel. (m/s)	1.92	3.23	2.05
Max Chl Dpth (m)	1.46	Hydr. Depth (m)	0.54	1.16	0.59
Conv. Total (m3/s)	1097.7	Conv. (m3/s)	85.0	931.5	81.2
Length Wtd. (m)	184.43	Wetted Per. (m)	7.32	22.02	5.97
Min Ch El (m)	815.82	Shear (N/m2)	40.34	87.63	44.34
Alpha	1.09	Stream Power (N/m s)	77.61	282.78	90.86
Frctn Loss (m)	3.41	Cum Volume (1000 m3)	2.31	16.78	0.83
C & E Loss (m)	0.25	Cum SA (1000 m2)	6.03	18.97	2.47

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=500

E.G. Elev (m)	818.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.62	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	817.62	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	817.62	Flow Area (m2)	6.76	33.00	5.83
E.G. Slope (m/m)	0.007273	Area (m2)	6.76	33.00	5.83
Q Total (m3/s)	151.40	Flow (m3/s)	14.99	122.82	13.59
Top Width (m)	39.46	Top Width (m)	9.81	21.91	7.74
Vel Total (m/s)	3.32	Avg. Vel. (m/s)	2.22	3.72	2.33
Max Chl Dpth (m)	1.80	Hydr. Depth (m)	0.69	1.51	0.75
Conv. Total (m3/s)	1775.3	Conv. (m3/s)	175.7	1440.2	159.4
Length Wtd. (m)	184.99	Wetted Per. (m)	9.91	22.02	7.87
Min Ch El (m)	815.82	Shear (N/m2)	48.69	106.87	52.89

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=500 (Continued)

Alpha	1.11	Stream Power (N/m s)	107.91	397.80	123.19
Frctn Loss (m)	3.10	Cum Volume (1000 m3)	4.00	21.70	1.72
C & E Loss (m)	0.29	Cum SA (1000 m2)	7.80	19.06	4.07

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=2

E.G. Elev (m)	811.60	Element	Left OB	Channel	Right OB
Vel Head (m)	1.10	Wt. n-Val.		0.030	
W.S. Elev (m)	810.50	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.82	Flow Area (m2)		3.11	
E.G. Slope (m/m)	0.096984	Area (m2)		3.11	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	10.22	Top Width (m)		10.22	
Vel Total (m/s)	4.65	Avg. Vel. (m/s)		4.65	
Max Chl Dpth (m)	0.61	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	46.3	Conv. (m3/s)		46.3	
Length Wtd. (m)	189.22	Wetted Per. (m)		10.37	
Min Ch El (m)	809.89	Shear (N/m2)		284.79	
Alpha	1.00	Stream Power (N/m s)		1323.22	
Frctn Loss (m)	7.76	Cum Volume (1000 m3)	0.12	4.04	0.00
C & E Loss (m)	0.26	Cum SA (1000 m2)	0.78	12.27	0.05

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=5

E.G. Elev (m)	812.51	Element	Left OB	Channel	Right OB
Vel Head (m)	1.85	Wt. n-Val.		0.030	
W.S. Elev (m)	810.65	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.09	Flow Area (m2)		4.71	
E.G. Slope (m/m)	0.107369	Area (m2)		4.71	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	11.28	Top Width (m)		11.28	
Vel Total (m/s)	6.03	Avg. Vel. (m/s)		6.03	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	86.6	Conv. (m3/s)		86.6	
Length Wtd. (m)	188.83	Wetted Per. (m)		11.48	
Min Ch El (m)	809.89	Shear (N/m2)		431.87	
Alpha	1.00	Stream Power (N/m s)		2603.99	
Frctn Loss (m)	8.20	Cum Volume (1000 m3)	0.32	6.40	0.03
C & E Loss (m)	0.44	Cum SA (1000 m2)	1.82	14.38	0.37

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=10

E.G. Elev (m)	813.04	Element	Left OB	Channel	Right OB
Vel Head (m)	2.26	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	810.78	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.26	Flow Area (m2)	0.01	6.27	
E.G. Slope (m/m)	0.111787	Area (m2)	0.01	6.27	
Q Total (m3/s)	41.73	Flow (m3/s)	0.01	41.72	
Top Width (m)	14.51	Top Width (m)	1.13	13.37	
Vel Total (m/s)	6.64	Avg. Vel. (m/s)	0.51	6.66	
Max Chl Dpth (m)	0.89	Hydr. Depth (m)	0.01	0.47	
Conv. Total (m3/s)	124.8	Conv. (m3/s)	0.0	124.8	
Length Wtd. (m)	188.52	Wetted Per. (m)	1.14	13.59	
Min Ch El (m)	809.89	Shear (N/m2)	10.79	505.85	
Alpha	1.00	Stream Power (N/m s)	5.53	3366.47	
Frctn Loss (m)	8.42	Cum Volume (1000 m3)	0.55	8.13	0.09
C & E Loss (m)	0.52	Cum SA (1000 m2)	2.41	14.87	0.74

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=25

E.G. Elev (m)	828.43	Element	Left OB	Channel	Right OB
Vel Head (m)	9.30	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	819.13	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	822.06	Flow Area (m2)	169.78	139.69	173.59
E.G. Slope (m/m)	0.014557	Area (m2)	169.78	139.69	173.59
Q Total (m3/s)	6071.00	Flow (m3/s)	1858.07	2360.28	1852.65
Top Width (m)	91.09	Top Width (m)	36.06	16.00	39.03
Vel Total (m/s)	12.57	Avg. Vel. (m/s)	10.94	16.90	10.67
Max Chl Dpth (m)	9.24	Hydr. Depth (m)	4.71	8.73	4.45
Conv. Total (m3/s)	50317.6	Conv. (m3/s)	15400.1	19562.4	15355.1
Length Wtd. (m)	189.64	Wetted Per. (m)	37.82	16.22	40.16
Min Ch El (m)	809.89	Shear (N/m2)	640.83	1229.29	617.11
Alpha	1.15	Stream Power (N/m s)	7013.40	20770.42	6586.04
Frctn Loss (m)	4.46	Cum Volume (1000 m3)	130.36	121.52	121.53
C & E Loss (m)	0.57	Cum SA (1000 m2)	39.16	15.62	33.29

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=50

E.G. Elev (m)	813.80	Element	Left OB	Channel	Right OB
Vel Head (m)	2.79	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	811.01	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.63	Flow Area (m2)	0.98	9.77	0.06
E.G. Slope (m/m)	0.100142	Area (m2)	0.98	9.77	0.06
Q Total (m3/s)	76.79	Flow (m3/s)	3.11	73.53	0.15
Top Width (m)	22.48	Top Width (m)	5.87	16.00	0.61
Vel Total (m/s)	7.10	Avg. Vel. (m/s)	3.18	7.52	2.28
Max Chl Dpth (m)	1.12	Hydr. Depth (m)	0.17	0.61	0.11
Conv. Total (m3/s)	242.7	Conv. (m3/s)	9.8	232.4	0.5
Length Wtd. (m)	187.66	Wetted Per. (m)	5.89	16.22	0.64
Min Ch El (m)	809.89	Shear (N/m2)	162.78	591.62	98.56
Alpha	1.08	Stream Power (N/m s)	518.10	4451.45	224.54
Frctn Loss (m)	8.60	Cum Volume (1000 m3)	1.29	11.74	0.36
C & E Loss (m)	0.58	Cum SA (1000 m2)	4.06	15.44	1.51

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=100

E.G. Elev (m)	814.10	Element	Left OB	Channel	Right OB
Vel Head (m)	2.99	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	811.12	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.80	Flow Area (m2)	1.61	11.43	0.14
E.G. Slope (m/m)	0.088813	Area (m2)	1.61	11.43	0.14
Q Total (m3/s)	96.61	Flow (m3/s)	6.37	89.85	0.40
Top Width (m)	23.31	Top Width (m)	6.41	16.00	0.90
Vel Total (m/s)	7.33	Avg. Vel. (m/s)	3.95	7.86	2.79
Max Chl Dpth (m)	1.23	Hydr. Depth (m)	0.25	0.71	0.16
Conv. Total (m3/s)	324.2	Conv. (m3/s)	21.4	301.5	1.3
Length Wtd. (m)	187.29	Wetted Per. (m)	6.44	16.22	0.96
Min Ch El (m)	809.89	Shear (N/m2)	218.08	613.41	129.86
Alpha	1.09	Stream Power (N/m s)	860.64	4823.65	362.75
Frctn Loss (m)	8.63	Cum Volume (1000 m3)	1.73	13.40	0.55
C & E Loss (m)	0.58	Cum SA (1000 m2)	4.60	15.48	1.95

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=500

E.G. Elev (m)	814.86	Element	Left OB	Channel	Right OB
Vel Head (m)	3.49	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	811.36	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	812.26	Flow Area (m2)	3.33	15.35	0.45
E.G. Slope (m/m)	0.072353	Area (m2)	3.33	15.35	0.45
Q Total (m3/s)	151.40	Flow (m3/s)	17.14	132.60	1.66

Plan: Plan 02 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=500 (Continued)

Top Width (m)	25.18	Top Width (m)	7.58	16.00	1.60
Vel Total (m/s)	7.92	Avg. Vel. (m/s)	5.15	8.64	3.70
Max Chl Dpth (m)	1.47	Hydr. Depth (m)	0.44	0.96	0.28
Conv. Total (m3/s)	562.9	Conv. (m3/s)	63.7	493.0	6.2
Length Wtd. (m)	186.54	Wetted Per. (m)	7.63	16.22	1.70
Min Ch El (m)	809.89	Shear (N/m2)	309.16	671.21	187.85
Alpha	1.09	Stream Power (N/m s)	1593.17	5799.47	694.44
Frctn Loss (m)	8.71	Cum Volume (1000 m3)	2.94	17.26	1.24
C & E Loss (m)	0.59	Cum SA (1000 m2)	5.97	15.58	3.35

Plan: Plan 02 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=2

E.G. Elev (m)	803.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.34	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.41	Flow Area (m2)	0.91	5.91	0.00
E.G. Slope (m/m)	0.022517	Area (m2)	0.91	5.91	0.00
Q Total (m3/s)	14.43	Flow (m3/s)	1.33	13.10	0.00
Top Width (m)	25.73	Top Width (m)	5.67	20.00	0.05
Vel Total (m/s)	2.12	Avg. Vel. (m/s)	1.47	2.22	0.25
Max Chl Dpth (m)	0.44	Hydr. Depth (m)	0.16	0.30	0.01
Conv. Total (m3/s)	96.2	Conv. (m3/s)	8.9	87.3	0.0
Length Wtd. (m)	128.97	Wetted Per. (m)	5.68	20.02	0.06
Min Ch El (m)	802.90	Shear (N/m2)	35.24	65.15	2.45
Alpha	1.04	Stream Power (N/m s)	51.87	144.43	0.61
Frctn Loss (m)	4.90	Cum Volume (1000 m3)	0.05	3.19	0.00
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.31	9.39	0.04

Plan: Plan 02 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=5

E.G. Elev (m)	803.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.48	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.58	Flow Area (m2)	1.93	8.57	0.03
E.G. Slope (m/m)	0.023319	Area (m2)	1.93	8.57	0.03
Q Total (m3/s)	28.38	Flow (m3/s)	3.57	24.79	0.02
Top Width (m)	29.16	Top Width (m)	8.82	20.00	0.34
Vel Total (m/s)	2.70	Avg. Vel. (m/s)	1.85	2.89	0.88
Max Chl Dpth (m)	0.58	Hydr. Depth (m)	0.22	0.43	0.08
Conv. Total (m3/s)	185.8	Conv. (m3/s)	23.4	162.3	0.2
Length Wtd. (m)	128.73	Wetted Per. (m)	8.83	20.02	0.38
Min Ch El (m)	802.90	Shear (N/m2)	50.00	97.92	16.38
Alpha	1.06	Stream Power (N/m s)	92.37	283.16	14.38
Frctn Loss (m)	4.74	Cum Volume (1000 m3)	0.16	5.13	0.03
C & E Loss (m)	0.07	Cum SA (1000 m2)	1.09	11.40	0.33

Plan: Plan 02 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=10

E.G. Elev (m)	804.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.57	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.73	Flow Area (m2)	2.84	10.52	0.07
E.G. Slope (m/m)	0.023876	Area (m2)	2.84	10.52	0.07
Q Total (m3/s)	41.73	Flow (m3/s)	6.37	35.27	0.09
Top Width (m)	30.39	Top Width (m)	9.84	20.00	0.55
Vel Total (m/s)	3.11	Avg. Vel. (m/s)	2.25	3.35	1.22
Max Chl Dpth (m)	0.67	Hydr. Depth (m)	0.29	0.53	0.13
Conv. Total (m3/s)	270.1	Conv. (m3/s)	41.2	228.3	0.6
Length Wtd. (m)	128.55	Wetted Per. (m)	9.86	20.02	0.61
Min Ch El (m)	802.90	Shear (N/m2)	67.40	123.01	27.11

Plan: Plan 02 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=10 (Continued)

Alpha	1.06	Stream Power (N/m s)	151.34	412.51	33.18
Frctn Loss (m)	4.60	Cum Volume (1000 m3)	0.31	6.54	0.08
C & E Loss (m)	0.08	Cum SA (1000 m2)	1.50	11.69	0.68

Plan: Plan 02 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=25

E.G. Elev (m)	823.40	Element	Left OB	Channel	Right OB
Vel Head (m)	15.02	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	808.38	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	811.87	Flow Area (m2)	159.56	106.57	111.23
E.G. Slope (m/m)	0.044392	Area (m2)	159.56	106.57	111.23
Q Total (m3/s)	6071.00	Flow (m3/s)	2212.03	2281.67	1577.30
Top Width (m)	111.25	Top Width (m)	56.78	20.00	34.47
Vel Total (m/s)	16.09	Avg. Vel. (m/s)	13.86	21.41	14.18
Max Chl Dpth (m)	5.48	Hydr. Depth (m)	2.81	5.33	3.23
Conv. Total (m3/s)	28814.3	Conv. (m3/s)	10498.8	10829.3	7486.2
Length Wtd. (m)	130.21	Wetted Per. (m)	57.54	20.02	38.76
Min Ch El (m)	802.90	Shear (N/m2)	1207.29	2317.25	1249.06
Alpha	1.14	Stream Power (N/m s)	16736.79	49614.51	17712.98
Frctn Loss (m)	4.41	Cum Volume (1000 m3)	103.00	98.08	90.69
C & E Loss (m)	0.47	Cum SA (1000 m2)	31.45	12.19	25.33

Plan: Plan 02 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=50

E.G. Elev (m)	804.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.85	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.77	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	804.06	Flow Area (m2)	4.94	14.34	0.22
E.G. Slope (m/m)	0.026167	Area (m2)	4.94	14.34	0.22
Q Total (m3/s)	76.79	Flow (m3/s)	14.48	61.91	0.40
Top Width (m)	33.29	Top Width (m)	12.32	20.00	0.97
Vel Total (m/s)	3.94	Avg. Vel. (m/s)	2.93	4.32	1.86
Max Chl Dpth (m)	0.87	Hydr. Depth (m)	0.40	0.72	0.22
Conv. Total (m3/s)	474.7	Conv. (m3/s)	89.5	382.7	2.5
Length Wtd. (m)	128.50	Wetted Per. (m)	12.35	20.02	1.07
Min Ch El (m)	802.90	Shear (N/m2)	102.74	183.82	52.00
Alpha	1.07	Stream Power (N/m s)	300.96	793.52	96.73
Frctn Loss (m)	4.46	Cum Volume (1000 m3)	0.80	9.45	0.33
C & E Loss (m)	0.08	Cum SA (1000 m2)	2.55	12.01	1.34

Plan: Plan 02 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=100

E.G. Elev (m)	804.89	Element	Left OB	Channel	Right OB
Vel Head (m)	1.04	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.85	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	804.18	Flow Area (m2)	6.01	15.97	0.30
E.G. Slope (m/m)	0.028139	Area (m2)	6.01	15.97	0.30
Q Total (m3/s)	96.61	Flow (m3/s)	19.16	76.80	0.65
Top Width (m)	35.10	Top Width (m)	13.95	20.00	1.15
Vel Total (m/s)	4.34	Avg. Vel. (m/s)	3.19	4.81	2.16
Max Chl Dpth (m)	0.95	Hydr. Depth (m)	0.43	0.80	0.26
Conv. Total (m3/s)	575.9	Conv. (m3/s)	114.2	457.8	3.9
Length Wtd. (m)	128.55	Wetted Per. (m)	13.98	20.02	1.26
Min Ch El (m)	802.90	Shear (N/m2)	118.70	220.11	66.12
Alpha	1.09	Stream Power (N/m s)	378.22	1058.58	142.63
Frctn Loss (m)	4.47	Cum Volume (1000 m3)	1.09	10.79	0.50
C & E Loss (m)	0.08	Cum SA (1000 m2)	2.91	12.06	1.73

Plan: Plan 02 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=500

E.G. Elev (m)	805.56	Element	Left OB	Channel	Right OB
Vel Head (m)	1.54	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	804.03	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	804.51	Flow Area (m2)	9.04	19.57	0.54
E.G. Slope (m/m)	0.032575	Area (m2)	9.04	19.57	0.54
Q Total (m3/s)	151.40	Flow (m3/s)	33.86	116.00	1.54
Top Width (m)	39.89	Top Width (m)	18.35	20.00	1.54
Vel Total (m/s)	5.19	Avg. Vel. (m/s)	3.75	5.93	2.82
Max Chl Dpth (m)	1.13	Hydr. Depth (m)	0.49	0.98	0.35
Conv. Total (m3/s)	838.9	Conv. (m3/s)	187.6	642.7	8.5
Length Wtd. (m)	128.60	Wetted Per. (m)	18.38	20.02	1.69
Min Ch El (m)	802.90	Shear (N/m2)	157.02	312.32	102.70
Alpha	1.12	Stream Power (N/m s)	588.39	1850.98	289.94
Frctn Loss (m)	4.53	Cum Volume (1000 m3)	1.91	13.94	1.13
C & E Loss (m)	0.07	Cum SA (1000 m2)	3.82	12.15	3.01

Plan: Plan 02 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=2

E.G. Elev (m)	798.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.77	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	797.86	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.07	Flow Area (m2)		3.72	0.00
E.G. Slope (m/m)	0.077342	Area (m2)		3.72	0.00
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	0.00
Top Width (m)	14.00	Top Width (m)		13.75	0.24
Vel Total (m/s)	3.87	Avg. Vel. (m/s)		3.87	0.49
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.27	0.01
Conv. Total (m3/s)	51.9	Conv. (m3/s)		51.9	0.0
Length Wtd. (m)	171.74	Wetted Per. (m)		13.79	0.24
Min Ch El (m)	797.45	Shear (N/m2)		204.90	9.15
Alpha	1.00	Stream Power (N/m s)		793.79	4.47
Frctn Loss (m)	6.24	Cum Volume (1000 m3)		2.56	0.00
C & E Loss (m)	0.14	Cum SA (1000 m2)		7.20	0.02

Plan: Plan 02 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=5

E.G. Elev (m)	799.07	Element	Left OB	Channel	Right OB
Vel Head (m)	1.05	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.02	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.32	Flow Area (m2)	0.03	6.17	0.16
E.G. Slope (m/m)	0.066645	Area (m2)	0.03	6.17	0.16
Q Total (m3/s)	28.38	Flow (m3/s)	0.03	28.06	0.29
Top Width (m)	18.35	Top Width (m)	0.53	16.00	1.82
Vel Total (m/s)	4.46	Avg. Vel. (m/s)	1.16	4.55	1.73
Max Chl Dpth (m)	0.57	Hydr. Depth (m)	0.05	0.39	0.09
Conv. Total (m3/s)	109.9	Conv. (m3/s)	0.1	108.7	1.1
Length Wtd. (m)	171.63	Wetted Per. (m)	0.54	16.03	1.82
Min Ch El (m)	797.45	Shear (N/m2)	32.54	251.36	59.01
Alpha	1.03	Stream Power (N/m s)	37.89	1143.94	102.21
Frctn Loss (m)	6.26	Cum Volume (1000 m3)	0.06	4.17	0.01
C & E Loss (m)	0.16	Cum SA (1000 m2)	0.58	9.07	0.17

Plan: Plan 02 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=10

E.G. Elev (m)	799.43	Element	Left OB	Channel	Right OB
Vel Head (m)	1.29	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.13	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.50	Flow Area (m2)	0.12	7.96	0.46
E.G. Slope (m/m)	0.059358	Area (m2)	0.12	7.96	0.46
Q Total (m3/s)	41.73	Flow (m3/s)	0.22	40.56	0.96

Plan: Plan 02 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=10 (Continued)

Top Width (m)	20.69	Top Width (m)	1.12	16.00	3.56
Vel Total (m/s)	4.88	Avg. Vel. (m/s)	1.81	5.09	2.07
Max Chl Dpth (m)	0.68	Hydr. Depth (m)	0.11	0.50	0.13
Conv. Total (m3/s)	171.3	Conv. (m3/s)	0.9	166.5	3.9
Length Wtd. (m)	171.51	Wetted Per. (m)	1.14	16.03	3.58
Min Ch El (m)	797.45	Shear (N/m2)	61.09	289.10	75.04
Alpha	1.06	Stream Power (N/m s)	110.38	1472.47	155.52
Frctn Loss (m)	6.29	Cum Volume (1000 m3)	0.15	5.34	0.04
C & E Loss (m)	0.18	Cum SA (1000 m2)	0.91	9.35	0.37

Plan: Plan 02 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=25

E.G. Elev (m)	818.52	Element	Left OB	Channel	Right OB
Vel Head (m)	13.45	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	805.07	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	808.55	Flow Area (m2)	116.21	118.92	176.95
E.G. Slope (m/m)	0.026647	Area (m2)	116.21	118.92	176.95
Q Total (m3/s)	6071.00	Flow (m3/s)	1414.24	2461.13	2195.63
Top Width (m)	100.32	Top Width (m)	33.78	16.00	50.54
Vel Total (m/s)	14.73	Avg. Vel. (m/s)	12.17	20.70	12.41
Max Chl Dpth (m)	7.62	Hydr. Depth (m)	3.44	7.43	3.50
Conv. Total (m3/s)	37191.0	Conv. (m3/s)	8663.6	15076.9	13450.4
Length Wtd. (m)	169.20	Wetted Per. (m)	34.74	16.03	51.38
Min Ch El (m)	797.45	Shear (N/m2)	874.04	1938.24	899.85
Alpha	1.22	Stream Power (N/m s)	10636.98	40112.05	11165.57
Frctn Loss (m)	3.75	Cum Volume (1000 m3)	87.97	83.43	68.94
C & E Loss (m)	0.05	Cum SA (1000 m2)	26.51	9.85	18.91

Plan: Plan 02 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=50

E.G. Elev (m)	800.07	Element	Left OB	Channel	Right OB
Vel Head (m)	1.70	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.37	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.86	Flow Area (m2)	0.54	11.79	1.66
E.G. Slope (m/m)	0.048252	Area (m2)	0.54	11.79	1.66
Q Total (m3/s)	76.79	Flow (m3/s)	1.47	70.34	4.98
Top Width (m)	24.66	Top Width (m)	2.32	16.00	6.33
Vel Total (m/s)	5.49	Avg. Vel. (m/s)	2.73	5.97	3.00
Max Chl Dpth (m)	0.92	Hydr. Depth (m)	0.23	0.74	0.26
Conv. Total (m3/s)	349.6	Conv. (m3/s)	6.7	320.2	22.7
Length Wtd. (m)	171.13	Wetted Per. (m)	2.37	16.03	6.35
Min Ch El (m)	797.45	Shear (N/m2)	107.45	347.99	123.85
Alpha	1.11	Stream Power (N/m s)	292.82	2075.98	371.07
Frctn Loss (m)	6.24	Cum Volume (1000 m3)	0.50	7.75	0.19
C & E Loss (m)	0.16	Cum SA (1000 m2)	1.75	9.67	0.79

Plan: Plan 02 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=100

E.G. Elev (m)	800.34	Element	Left OB	Channel	Right OB
Vel Head (m)	1.85	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.49	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	799.01	Flow Area (m2)	0.84	13.66	2.47
E.G. Slope (m/m)	0.044035	Area (m2)	0.84	13.66	2.47
Q Total (m3/s)	96.61	Flow (m3/s)	2.57	85.85	8.19
Top Width (m)	26.41	Top Width (m)	2.84	16.00	7.57
Vel Total (m/s)	5.69	Avg. Vel. (m/s)	3.06	6.29	3.31
Max Chl Dpth (m)	1.04	Hydr. Depth (m)	0.30	0.85	0.33
Conv. Total (m3/s)	460.4	Conv. (m3/s)	12.2	409.1	39.0
Length Wtd. (m)	170.96	Wetted Per. (m)	2.90	16.03	7.60
Min Ch El (m)	797.45	Shear (N/m2)	124.98	367.86	140.60

Plan: Plan 02 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=100 (Continued)

Alpha	1.12	Stream Power (N/m s)	382.52	2312.26	465.48
Frctn Loss (m)	6.16	Cum Volume (1000 m3)	0.72	8.87	0.29
C & E Loss (m)	0.12	Cum SA (1000 m2)	1.99	9.72	1.07

Plan: Plan 02 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=500

E.G. Elev (m)	800.97	Element	Left OB	Channel	Right OB
Vel Head (m)	2.21	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.76	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	799.37	Flow Area (m2)	1.75	17.91	4.80
E.G. Slope (m/m)	0.038149	Area (m2)	1.75	17.91	4.80
Q Total (m3/s)	151.40	Flow (m3/s)	6.48	125.59	19.34
Top Width (m)	29.82	Top Width (m)	4.01	16.00	9.81
Vel Total (m/s)	6.19	Avg. Vel. (m/s)	3.70	7.01	4.03
Max Chl Dpth (m)	1.31	Hydr. Depth (m)	0.44	1.12	0.49
Conv. Total (m3/s)	775.1	Conv. (m3/s)	33.2	643.0	99.0
Length Wtd. (m)	170.56	Wetted Per. (m)	4.10	16.03	9.85
Min Ch El (m)	797.45	Shear (N/m2)	159.99	418.00	182.21
Alpha	1.13	Stream Power (N/m s)	591.24	2930.37	734.34
Frctn Loss (m)	5.95	Cum Volume (1000 m3)	1.32	11.50	0.72
C & E Loss (m)	0.02	Cum SA (1000 m2)	2.60	9.82	2.15

Plan: Plan 02 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=2

E.G. Elev (m)	792.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.		0.030	
W.S. Elev (m)	791.94	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.01	Flow Area (m2)		5.84	
E.G. Slope (m/m)	0.021023	Area (m2)		5.84	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	15.86	Top Width (m)		15.86	
Vel Total (m/s)	2.47	Avg. Vel. (m/s)		2.47	
Max Chl Dpth (m)	0.65	Hydr. Depth (m)		0.37	
Conv. Total (m3/s)	99.5	Conv. (m3/s)		99.5	
Length Wtd. (m)	178.52	Wetted Per. (m)		15.96	
Min Ch El (m)	791.29	Shear (N/m2)		75.40	
Alpha	1.00	Stream Power (N/m s)		186.36	
Frctn Loss (m)	6.72	Cum Volume (1000 m3)		1.74	
C & E Loss (m)	0.07	Cum SA (1000 m2)		4.66	

Plan: Plan 02 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=5

E.G. Elev (m)	792.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.		0.030	
W.S. Elev (m)	792.12	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.27	Flow Area (m2)		8.86	
E.G. Slope (m/m)	0.022985	Area (m2)		8.86	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	17.41	Top Width (m)		17.41	
Vel Total (m/s)	3.20	Avg. Vel. (m/s)		3.20	
Max Chl Dpth (m)	0.83	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	187.2	Conv. (m3/s)		187.2	
Length Wtd. (m)	178.52	Wetted Per. (m)		17.55	
Min Ch El (m)	791.29	Shear (N/m2)		113.76	
Alpha	1.00	Stream Power (N/m s)		364.41	
Frctn Loss (m)	6.74	Cum Volume (1000 m3)	0.05	2.88	0.00
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.53	6.20	0.03

Plan: Plan 02 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=10

E.G. Elev (m)	792.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.70	Wt. n-Val.		0.030	
W.S. Elev (m)	792.26	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.46	Flow Area (m2)		11.24	
E.G. Slope (m/m)	0.024895	Area (m2)		11.24	
Q Total (m3/s)	41.73	Flow (m3/s)		41.73	
Top Width (m)	18.78	Top Width (m)		18.78	
Vel Total (m/s)	3.71	Avg. Vel. (m/s)		3.71	
Max Chl Dpth (m)	0.97	Hydr. Depth (m)		0.60	
Conv. Total (m3/s)	264.5	Conv. (m3/s)		264.5	
Length Wtd. (m)	178.51	Wetted Per. (m)		18.96	
Min Ch El (m)	791.29	Shear (N/m2)		144.76	
Alpha	1.00	Stream Power (N/m s)		537.35	
Frctn Loss (m)	6.66	Cum Volume (1000 m3)	0.14	3.69	0.01
C & E Loss (m)	0.08	Cum SA (1000 m2)	0.80	6.37	0.11

Plan: Plan 02 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=25

E.G. Elev (m)	814.71	Element	Left OB	Channel	Right OB
Vel Head (m)	13.97	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.75	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	805.02	Flow Area (m2)	123.36	180.96	115.15
E.G. Slope (m/m)	0.018751	Area (m2)	123.36	180.96	115.15
Q Total (m3/s)	6071.00	Flow (m3/s)	1211.22	3563.70	1296.08
Top Width (m)	85.30	Top Width (m)	36.97	20.00	28.34
Vel Total (m/s)	14.47	Avg. Vel. (m/s)	9.82	19.69	11.26
Max Chl Dpth (m)	9.46	Hydr. Depth (m)	3.34	9.05	4.06
Conv. Total (m3/s)	44335.1	Conv. (m3/s)	8845.3	26024.8	9464.9
Length Wtd. (m)	177.74	Wetted Per. (m)	39.10	20.19	29.74
Min Ch El (m)	791.29	Shear (N/m2)	580.11	1647.88	712.00
Alpha	1.31	Stream Power (N/m s)	5695.73	32452.11	8013.66
Frctn Loss (m)	3.50	Cum Volume (1000 m3)	64.80	57.68	47.53
C & E Loss (m)	0.27	Cum SA (1000 m2)	19.67	6.76	13.13

Plan: Plan 02 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=50

E.G. Elev (m)	793.68	Element	Left OB	Channel	Right OB
Vel Head (m)	1.18	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	792.50	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.85	Flow Area (m2)	0.03	15.95	0.02
E.G. Slope (m/m)	0.028532	Area (m2)	0.03	15.95	0.02
Q Total (m3/s)	76.79	Flow (m3/s)	0.03	76.75	0.01
Top Width (m)	20.63	Top Width (m)	0.27	20.00	0.36
Vel Total (m/s)	4.80	Avg. Vel. (m/s)	1.06	4.81	0.68
Max Chl Dpth (m)	1.21	Hydr. Depth (m)	0.10	0.80	0.04
Conv. Total (m3/s)	454.6	Conv. (m3/s)	0.2	454.4	0.1
Length Wtd. (m)	178.45	Wetted Per. (m)	0.34	20.19	0.37
Min Ch El (m)	791.29	Shear (N/m2)	22.91	221.03	11.64
Alpha	1.00	Stream Power (N/m s)	24.32	1063.47	7.87
Frctn Loss (m)	6.57	Cum Volume (1000 m3)	0.45	5.37	0.06
C & E Loss (m)	0.08	Cum SA (1000 m2)	1.50	6.58	0.30

Plan: Plan 02 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=100

E.G. Elev (m)	794.06	Element	Left OB	Channel	Right OB
Vel Head (m)	1.46	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	792.60	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	793.05	Flow Area (m2)	0.06	18.01	0.07
E.G. Slope (m/m)	0.030065	Area (m2)	0.06	18.01	0.07
Q Total (m3/s)	96.61	Flow (m3/s)	0.09	96.43	0.09

Plan: Plan 02 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=100 (Continued)

Top Width (m)	21.19	Top Width (m)	0.41	20.00	0.78
Vel Total (m/s)	5.32	Avg. Vel. (m/s)	1.43	5.35	1.17
Max Chl Dpth (m)	1.31	Hydr. Depth (m)	0.15	0.90	0.09
Conv. Total (m3/s)	557.2	Conv. (m3/s)	0.5	556.2	0.5
Length Wtd. (m)	178.42	Wetted Per. (m)	0.51	20.19	0.81
Min Ch El (m)	791.29	Shear (N/m2)	36.21	262.93	27.01
Alpha	1.01	Stream Power (N/m s)	51.70	1408.00	31.72
Frctn Loss (m)	6.56	Cum Volume (1000 m3)	0.63	6.15	0.10
C & E Loss (m)	0.08	Cum SA (1000 m2)	1.68	6.63	0.46

Plan: Plan 02 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=500

E.G. Elev (m)	795.00	Element	Left OB	Channel	Right OB
Vel Head (m)	2.15	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	792.85	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	793.50	Flow Area (m2)	0.21	23.04	0.40
E.G. Slope (m/m)	0.032052	Area (m2)	0.21	23.04	0.40
Q Total (m3/s)	151.40	Flow (m3/s)	0.45	150.09	0.86
Top Width (m)	22.57	Top Width (m)	0.74	20.00	1.83
Vel Total (m/s)	6.40	Avg. Vel. (m/s)	2.19	6.52	2.13
Max Chl Dpth (m)	1.56	Hydr. Depth (m)	0.28	1.15	0.22
Conv. Total (m3/s)	845.7	Conv. (m3/s)	2.5	838.3	4.8
Length Wtd. (m)	178.34	Wetted Per. (m)	0.93	20.19	1.88
Min Ch El (m)	791.29	Shear (N/m2)	70.05	358.57	67.21
Alpha	1.03	Stream Power (N/m s)	153.67	2336.26	143.41
Frctn Loss (m)	6.54	Cum Volume (1000 m3)	1.13	7.99	0.34
C & E Loss (m)	0.07	Cum SA (1000 m2)	2.14	6.72	1.30

Plan: Plan 02 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=2

E.G. Elev (m)	785.46	Element	Left OB	Channel	Right OB
Vel Head (m)	1.02	Wt. n-Val.		0.030	
W.S. Elev (m)	784.44	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.70	Flow Area (m2)		3.22	
E.G. Slope (m/m)	0.086056	Area (m2)		3.22	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	10.25	Top Width (m)		10.25	
Vel Total (m/s)	4.48	Avg. Vel. (m/s)		4.48	
Max Chl Dpth (m)	0.62	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	49.2	Conv. (m3/s)		49.2	
Length Wtd. (m)	176.94	Wetted Per. (m)		10.39	
Min Ch El (m)	783.82	Shear (N/m2)		261.66	
Alpha	1.00	Stream Power (N/m s)		1172.12	
Frctn Loss (m)	10.32	Cum Volume (1000 m3)		0.93	
C & E Loss (m)	0.04	Cum SA (1000 m2)		2.33	

Plan: Plan 02 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=5

E.G. Elev (m)	785.84	Element	Left OB	Channel	Right OB
Vel Head (m)	1.20	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.64	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.97	Flow Area (m2)	0.01	5.84	
E.G. Slope (m/m)	0.073127	Area (m2)	0.01	5.84	
Q Total (m3/s)	28.38	Flow (m3/s)	0.01	28.37	
Top Width (m)	14.84	Top Width (m)	0.27	14.57	
Vel Total (m/s)	4.85	Avg. Vel. (m/s)	1.01	4.86	
Max Chl Dpth (m)	0.82	Hydr. Depth (m)	0.04	0.40	
Conv. Total (m3/s)	104.9	Conv. (m3/s)	0.0	104.9	
Length Wtd. (m)	177.00	Wetted Per. (m)	0.28	14.77	
Min Ch El (m)	783.82	Shear (N/m2)	26.91	283.56	

Plan: Plan 02 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)	27.18	1377.02	
Frctn Loss (m)	9.99	Cum Volume (1000 m3)	0.05	1.57	0.00
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.51	3.34	0.03

Plan: Plan 02 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=10

E.G. Elev (m)	786.23	Element	Left OB	Channel	Right OB
Vel Head (m)	1.46	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.77	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	785.18	Flow Area (m2)	0.08	7.77	
E.G. Slope (m/m)	0.061938	Area (m2)	0.08	7.77	
Q Total (m3/s)	41.73	Flow (m3/s)	0.14	41.59	
Top Width (m)	15.48	Top Width (m)	0.72	14.76	
Vel Total (m/s)	5.32	Avg. Vel. (m/s)	1.80	5.35	
Max Chl Dpth (m)	0.95	Hydr. Depth (m)	0.10	0.53	
Conv. Total (m3/s)	167.7	Conv. (m3/s)	0.5	167.1	
Length Wtd. (m)	177.09	Wetted Per. (m)	0.75	15.00	
Min Ch El (m)	783.82	Shear (N/m2)	61.19	314.71	
Alpha	1.01	Stream Power (N/m s)	109.89	1684.21	
Frctn Loss (m)	9.72	Cum Volume (1000 m3)	0.13	1.99	0.01
C & E Loss (m)	0.04	Cum SA (1000 m2)	0.73	3.37	0.11

Plan: Plan 02 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=25

E.G. Elev (m)	810.94	Element	Left OB	Channel	Right OB
Vel Head (m)	16.69	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	794.25	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	798.70	Flow Area (m2)	122.06	158.87	101.26
E.G. Slope (m/m)	0.020742	Area (m2)	122.06	158.87	101.26
Q Total (m3/s)	6071.00	Flow (m3/s)	1382.45	3447.62	1240.93
Top Width (m)	70.06	Top Width (m)	31.32	16.00	22.74
Vel Total (m/s)	15.88	Avg. Vel. (m/s)	11.33	21.70	12.26
Max Chl Dpth (m)	10.43	Hydr. Depth (m)	3.90	9.93	4.45
Conv. Total (m3/s)	42154.1	Conv. (m3/s)	9599.0	23938.6	8616.4
Length Wtd. (m)	177.77	Wetted Per. (m)	33.69	16.53	24.83
Min Ch El (m)	783.82	Shear (N/m2)	737.05	1954.82	829.62
Alpha	1.30	Stream Power (N/m s)	8347.57	42420.54	10167.00
Frctn Loss (m)	5.87	Cum Volume (1000 m3)	43.96	27.35	27.66
C & E Loss (m)	0.67	Cum SA (1000 m2)	13.87	3.55	8.44

Plan: Plan 02 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=50

E.G. Elev (m)	787.03	Element	Left OB	Channel	Right OB
Vel Head (m)	1.97	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	785.06	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	785.62	Flow Area (m2)	0.43	12.07	
E.G. Slope (m/m)	0.049240	Area (m2)	0.43	12.07	
Q Total (m3/s)	76.79	Flow (m3/s)	1.21	75.58	
Top Width (m)	16.87	Top Width (m)	1.71	15.16	
Vel Total (m/s)	6.15	Avg. Vel. (m/s)	2.85	6.26	
Max Chl Dpth (m)	1.24	Hydr. Depth (m)	0.25	0.80	
Conv. Total (m3/s)	346.1	Conv. (m3/s)	5.5	340.6	
Length Wtd. (m)	177.28	Wetted Per. (m)	1.78	15.49	
Min Ch El (m)	783.82	Shear (N/m2)	115.27	376.13	
Alpha	1.03	Stream Power (N/m s)	328.09	2355.34	
Frctn Loss (m)	9.19	Cum Volume (1000 m3)	0.41	2.87	0.06
C & E Loss (m)	0.09	Cum SA (1000 m2)	1.33	3.44	0.27

Plan: Plan 02 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=100

E.G. Elev (m)	787.42	Element	Left OB	Channel	Right OB
Vel Head (m)	2.22	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	785.19	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	785.85	Flow Area (m2)	0.69	14.15	
E.G. Slope (m/m)	0.046039	Area (m2)	0.69	14.15	
Q Total (m3/s)	96.61	Flow (m3/s)	2.29	94.32	
Top Width (m)	17.43	Top Width (m)	2.08	15.35	
Vel Total (m/s)	6.51	Avg. Vel. (m/s)	3.32	6.67	
Max Chl Dpth (m)	1.37	Hydr. Depth (m)	0.33	0.92	
Conv. Total (m3/s)	450.3	Conv. (m3/s)	10.7	439.6	
Length Wtd. (m)	177.38	Wetted Per. (m)	2.18	15.73	
Min Ch El (m)	783.82	Shear (N/m2)	142.75	406.18	
Alpha	1.03	Stream Power (N/m s)	473.86	2707.39	
Frctn Loss (m)	8.99	Cum Volume (1000 m3)	0.57	3.28	0.10
C & E Loss (m)	0.11	Cum SA (1000 m2)	1.47	3.47	0.39

Plan: Plan 02 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=500

E.G. Elev (m)	788.39	Element	Left OB	Channel	Right OB
Vel Head (m)	2.88	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	785.51	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	786.34	Flow Area (m2)	1.42	19.05	
E.G. Slope (m/m)	0.042341	Area (m2)	1.42	19.05	
Q Total (m3/s)	151.40	Flow (m3/s)	6.26	145.14	
Top Width (m)	18.35	Top Width (m)	2.56	15.79	
Vel Total (m/s)	7.40	Avg. Vel. (m/s)	4.41	7.62	
Max Chl Dpth (m)	1.69	Hydr. Depth (m)	0.55	1.21	
Conv. Total (m3/s)	735.8	Conv. (m3/s)	30.4	705.3	
Length Wtd. (m)	177.53	Wetted Per. (m)	2.75	16.27	
Min Ch El (m)	783.82	Shear (N/m2)	214.05	486.13	
Alpha	1.03	Stream Power (N/m s)	943.90	3704.00	
Frctn Loss (m)	8.71	Cum Volume (1000 m3)	1.00	4.23	0.31
C & E Loss (m)	0.14	Cum SA (1000 m2)	1.86	3.53	1.13

Plan: Plan 02 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=2

E.G. Elev (m)	775.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.90	Wt. n-Val.		0.030	
W.S. Elev (m)	774.21	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.51	Flow Area (m2)		3.44	
E.G. Slope (m/m)	0.042096	Area (m2)		3.44	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	6.89	Top Width (m)		6.89	
Vel Total (m/s)	4.20	Avg. Vel. (m/s)		4.20	
Max Chl Dpth (m)	0.83	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	70.3	Conv. (m3/s)		70.3	
Length Wtd. (m)	128.88	Wetted Per. (m)		7.15	
Min Ch El (m)	773.38	Shear (N/m2)		198.41	
Alpha	1.00	Stream Power (N/m s)		832.60	
Frctn Loss (m)	10.83	Cum Volume (1000 m3)		0.34	
C & E Loss (m)	0.21	Cum SA (1000 m2)		0.81	

Plan: Plan 02 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=5

E.G. Elev (m)	775.83	Element	Left OB	Channel	Right OB
Vel Head (m)	1.38	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.46	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.88	Flow Area (m2)	0.32	5.31	0.01
E.G. Slope (m/m)	0.044864	Area (m2)	0.32	5.31	0.01
Q Total (m3/s)	28.38	Flow (m3/s)	0.54	27.84	0.00

Plan: Plan 02 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=5 (Continued)

Top Width (m)	11.05	Top Width (m)	2.84	8.00	0.21
Vel Total (m/s)	5.03	Avg. Vel. (m/s)	1.66	5.24	0.64
Max Chl Dpth (m)	1.08	Hydr. Depth (m)	0.11	0.66	0.03
Conv. Total (m3/s)	134.0	Conv. (m3/s)	2.5	131.4	0.0
Length Wtd. (m)	128.76	Wetted Per. (m)	2.85	8.30	0.22
Min Ch El (m)	773.38	Shear (N/m2)	50.06	281.46	11.87
Alpha	1.07	Stream Power (N/m s)	82.98	1475.41	7.54
Frctn Loss (m)	11.61	Cum Volume (1000 m3)	0.02	0.59	0.00
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.22	1.35	0.01

Plan: Plan 02 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=10

E.G. Elev (m)	776.47	Element	Left OB	Channel	Right OB
Vel Head (m)	1.88	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.59	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	775.13	Flow Area (m2)	0.77	6.40	0.07
E.G. Slope (m/m)	0.048937	Area (m2)	0.77	6.40	0.07
Q Total (m3/s)	41.73	Flow (m3/s)	1.97	39.65	0.10
Top Width (m)	12.47	Top Width (m)	3.74	8.00	0.72
Vel Total (m/s)	5.77	Avg. Vel. (m/s)	2.56	6.20	1.51
Max Chl Dpth (m)	1.21	Hydr. Depth (m)	0.21	0.80	0.10
Conv. Total (m3/s)	188.6	Conv. (m3/s)	8.9	179.2	0.5
Length Wtd. (m)	128.57	Wetted Per. (m)	3.76	8.30	0.75
Min Ch El (m)	773.38	Shear (N/m2)	98.30	369.82	44.44
Alpha	1.11	Stream Power (N/m s)	251.89	2292.13	67.08
Frctn Loss (m)	11.64	Cum Volume (1000 m3)	0.06	0.74	0.00
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.33	1.36	0.05

Plan: Plan 02 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=25

E.G. Elev (m)	804.40	Element	Left OB	Channel	Right OB
Vel Head (m)	23.39	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	781.01	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	785.80	Flow Area (m2)	169.91	57.74	87.44
E.G. Slope (m/m)	0.060634	Area (m2)	169.91	57.74	87.44
Q Total (m3/s)	6071.00	Flow (m3/s)	2816.71	1726.92	1527.37
Top Width (m)	93.67	Top Width (m)	58.40	8.00	27.28
Vel Total (m/s)	19.27	Avg. Vel. (m/s)	16.58	29.91	17.47
Max Chl Dpth (m)	7.63	Hydr. Depth (m)	2.91	7.22	3.21
Conv. Total (m3/s)	24654.9	Conv. (m3/s)	11438.9	7013.2	6202.8
Length Wtd. (m)	126.53	Wetted Per. (m)	59.20	8.30	28.17
Min Ch El (m)	773.38	Shear (N/m2)	1706.65	4135.75	1845.89
Alpha	1.24	Stream Power (N/m s)	28291.72	123692.00	32242.39
Frctn Loss (m)	9.37	Cum Volume (1000 m3)	17.23	8.18	11.50
C & E Loss (m)	0.52	Cum SA (1000 m2)	5.66	1.42	4.16

Plan: Plan 02 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=50

E.G. Elev (m)	777.75	Element	Left OB	Channel	Right OB
Vel Head (m)	2.90	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.86	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	775.58	Flow Area (m2)	2.16	8.52	0.39
E.G. Slope (m/m)	0.054604	Area (m2)	2.16	8.52	0.39
Q Total (m3/s)	76.79	Flow (m3/s)	8.20	67.47	1.12
Top Width (m)	16.05	Top Width (m)	6.33	8.00	1.72
Vel Total (m/s)	6.94	Avg. Vel. (m/s)	3.79	7.92	2.84
Max Chl Dpth (m)	1.48	Hydr. Depth (m)	0.34	1.06	0.23
Conv. Total (m3/s)	328.6	Conv. (m3/s)	35.1	288.7	4.8
Length Wtd. (m)	128.17	Wetted Per. (m)	6.37	8.30	1.78
Min Ch El (m)	773.38	Shear (N/m2)	181.81	549.31	118.13

Plan: Plan 02 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=50 (Continued)

Alpha	1.18	Stream Power (N/m s)	689.25	4352.04	335.95
Frctn Loss (m)	11.61	Cum Volume (1000 m3)	0.17	1.05	0.03
C & E Loss (m)	0.16	Cum SA (1000 m2)	0.59	1.39	0.12

Plan: Plan 02 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=100

E.G. Elev (m)	778.31	Element	Left OB	Channel	Right OB
Vel Head (m)	3.34	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.97	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	775.79	Flow Area (m2)	2.93	9.46	0.63
E.G. Slope (m/m)	0.056111	Area (m2)	2.93	9.46	0.63
Q Total (m3/s)	96.61	Flow (m3/s)	13.22	81.44	1.95
Top Width (m)	17.23	Top Width (m)	6.74	8.00	2.49
Vel Total (m/s)	7.42	Avg. Vel. (m/s)	4.51	8.61	3.10
Max Chl Dpth (m)	1.59	Hydr. Depth (m)	0.44	1.18	0.25
Conv. Total (m3/s)	407.8	Conv. (m3/s)	55.8	343.8	8.2
Length Wtd. (m)	127.95	Wetted Per. (m)	6.79	8.30	2.56
Min Ch El (m)	773.38	Shear (N/m2)	237.45	626.81	135.19
Alpha	1.19	Stream Power (N/m s)	1070.63	5398.32	418.72
Frctn Loss (m)	11.55	Cum Volume (1000 m3)	0.24	1.19	0.04
C & E Loss (m)	0.17	Cum SA (1000 m2)	0.66	1.41	0.17

Plan: Plan 02 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=500

E.G. Elev (m)	779.53	Element	Left OB	Channel	Right OB
Vel Head (m)	4.29	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	775.24	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	776.24	Flow Area (m2)	4.88	11.62	1.66
E.G. Slope (m/m)	0.057582	Area (m2)	4.88	11.62	1.66
Q Total (m3/s)	151.40	Flow (m3/s)	28.63	116.28	6.49
Top Width (m)	20.41	Top Width (m)	7.67	8.00	4.74
Vel Total (m/s)	8.34	Avg. Vel. (m/s)	5.87	10.01	3.92
Max Chl Dpth (m)	1.86	Hydr. Depth (m)	0.64	1.45	0.35
Conv. Total (m3/s)	630.9	Conv. (m3/s)	119.3	484.6	27.0
Length Wtd. (m)	127.76	Wetted Per. (m)	7.76	8.30	4.83
Min Ch El (m)	773.38	Shear (N/m2)	354.80	790.31	193.54
Alpha	1.21	Stream Power (N/m s)	2081.93	7909.62	758.20
Frctn Loss (m)	11.31	Cum Volume (1000 m3)	0.42	1.52	0.16
C & E Loss (m)	0.19	Cum SA (1000 m2)	0.92	1.42	0.73

Plan: Plan 02 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=2

E.G. Elev (m)	764.06	Element	Left OB	Channel	Right OB
Vel Head (m)	3.04	Wt. n-Val.		0.030	
W.S. Elev (m)	761.02	Reach Len. (m)			
Crit W.S. (m)	761.42	Flow Area (m2)		1.87	
E.G. Slope (m/m)	0.244033	Area (m2)		1.87	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	5.66	Top Width (m)		5.66	
Vel Total (m/s)	7.73	Avg. Vel. (m/s)		7.73	
Max Chl Dpth (m)	0.63	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	29.2	Conv. (m3/s)		29.2	
Length Wtd. (m)		Wetted Per. (m)		5.81	
Min Ch El (m)	760.39	Shear (N/m2)		769.23	
Alpha	1.00	Stream Power (N/m s)		5943.67	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=5

E.G. Elev (m)	764.07	Element	Left OB	Channel	Right OB
Vel Head (m)	2.86	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.21	Reach Len. (m)			
Crit W.S. (m)	761.71	Flow Area (m2)	0.04	3.77	
E.G. Slope (m/m)	0.266235	Area (m2)	0.04	3.77	
Q Total (m3/s)	28.38	Flow (m3/s)	0.10	28.28	
Top Width (m)	13.78	Top Width (m)	0.89	12.89	
Vel Total (m/s)	7.44	Avg. Vel. (m/s)	2.30	7.50	
Max Chl Dpth (m)	0.82	Hydr. Depth (m)	0.05	0.29	
Conv. Total (m3/s)	55.0	Conv. (m3/s)	0.2	54.8	
Length Wtd. (m)		Wetted Per. (m)	0.89	13.09	
Min Ch El (m)	760.39	Shear (N/m2)	128.02	752.11	
Alpha	1.01	Stream Power (N/m s)	294.98	5642.34	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=10

E.G. Elev (m)	764.68	Element	Left OB	Channel	Right OB
Vel Head (m)	3.37	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.31	Reach Len. (m)			
Crit W.S. (m)	761.94	Flow Area (m2)	0.17	5.03	
E.G. Slope (m/m)	0.221158	Area (m2)	0.17	5.03	
Q Total (m3/s)	41.73	Flow (m3/s)	0.57	41.16	
Top Width (m)	14.88	Top Width (m)	1.76	13.12	
Vel Total (m/s)	8.02	Avg. Vel. (m/s)	3.31	8.18	
Max Chl Dpth (m)	0.92	Hydr. Depth (m)	0.10	0.38	
Conv. Total (m3/s)	88.7	Conv. (m3/s)	1.2	87.5	
Length Wtd. (m)		Wetted Per. (m)	1.77	13.34	
Min Ch El (m)	760.39	Shear (N/m2)	210.85	817.80	
Alpha	1.03	Stream Power (N/m s)	698.82	6691.15	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=25

E.G. Elev (m)	794.50	Element	Left OB	Channel	Right OB
Vel Head (m)	28.63	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	765.87	Reach Len. (m)			
Crit W.S. (m)	770.78	Flow Area (m2)	121.00	69.23	78.51
E.G. Slope (m/m)	0.092482	Area (m2)	121.00	69.23	78.51
Q Total (m3/s)	6071.00	Flow (m3/s)	2662.27	1998.51	1410.22
Top Width (m)	83.98	Top Width (m)	37.15	14.11	32.73
Vel Total (m/s)	22.59	Avg. Vel. (m/s)	22.00	28.87	17.96
Max Chl Dpth (m)	5.48	Hydr. Depth (m)	3.26	4.91	2.40
Conv. Total (m3/s)	19963.3	Conv. (m3/s)	8754.4	6571.7	4637.2
Length Wtd. (m)		Wetted Per. (m)	37.84	14.41	33.28
Min Ch El (m)	760.39	Shear (N/m2)	2900.19	4358.21	2139.35
Alpha	1.10	Stream Power (N/m s)	63812.50	125808.20	38429.41
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=50

E.G. Elev (m)	765.98	Element	Left OB	Channel	Right OB
Vel Head (m)	4.48	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.51	Reach Len. (m)			
Crit W.S. (m)	762.29	Flow Area (m2)	0.71	7.71	
E.G. Slope (m/m)	0.178880	Area (m2)	0.71	7.71	
Q Total (m3/s)	76.79	Flow (m3/s)	3.37	73.42	

Plan: Plan 02 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=50 (Continued)

Top Width (m)	17.27	Top Width (m)	3.66	13.61	
Vel Total (m/s)	9.12	Avg. Vel. (m/s)	4.72	9.53	
Max Chl Dpth (m)	1.12	Hydr. Depth (m)	0.20	0.57	
Conv. Total (m3/s)	181.6	Conv. (m3/s)	8.0	173.6	
Length Wtd. (m)		Wetted Per. (m)	3.68	13.87	
Min Ch El (m)	760.39	Shear (N/m2)	340.21	974.65	
Alpha	1.06	Stream Power (N/m s)	1607.02	9286.70	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=100

E.G. Elev (m)	766.59	Element	Left OB	Channel	Right OB
Vel Head (m)	5.00	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.60	Reach Len. (m)			
Crit W.S. (m)	762.42	Flow Area (m2)	1.09	8.97	
E.G. Slope (m/m)	0.168715	Area (m2)	1.09	8.97	
Q Total (m3/s)	96.61	Flow (m3/s)	5.83	90.78	
Top Width (m)	18.23	Top Width (m)	4.39	13.84	
Vel Total (m/s)	9.61	Avg. Vel. (m/s)	5.37	10.12	
Max Chl Dpth (m)	1.21	Hydr. Depth (m)	0.25	0.65	
Conv. Total (m3/s)	235.2	Conv. (m3/s)	14.2	221.0	
Length Wtd. (m)		Wetted Per. (m)	4.42	14.11	
Min Ch El (m)	760.39	Shear (N/m2)	406.61	1051.59	
Alpha	1.06	Stream Power (N/m s)	2184.28	10643.62	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=500

E.G. Elev (m)	768.03	Element	Left OB	Channel	Right OB
Vel Head (m)	6.22	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	761.81	Reach Len. (m)			
Crit W.S. (m)	762.71	Flow Area (m2)	2.19	11.92	0.72
E.G. Slope (m/m)	0.153045	Area (m2)	2.19	11.92	0.72
Q Total (m3/s)	151.40	Flow (m3/s)	12.04	136.98	2.38
Top Width (m)	27.78	Top Width (m)	7.95	14.11	5.72
Vel Total (m/s)	10.21	Avg. Vel. (m/s)	5.50	11.49	3.32
Max Chl Dpth (m)	1.42	Hydr. Depth (m)	0.28	0.84	0.13
Conv. Total (m3/s)	387.0	Conv. (m3/s)	30.8	350.2	6.1
Length Wtd. (m)		Wetted Per. (m)	7.99	14.41	5.79
Min Ch El (m)	760.39	Shear (N/m2)	411.16	1241.71	185.92
Alpha	1.17	Stream Power (N/m s)	2261.59	14270.33	616.34
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 09 ArroyoPoeillo 1 RS: 801.0359 Profile: T=2

E.G. Elev (m)	817.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	817.06	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.06	Flow Area (m2)		2.86	
E.G. Slope (m/m)	0.016292	Area (m2)		2.86	
Q Total (m3/s)	3.68	Flow (m3/s)		3.68	
Top Width (m)	17.18	Top Width (m)		17.18	
Vel Total (m/s)	1.29	Avg. Vel. (m/s)		1.29	
Max Chl Dpth (m)	0.24	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	28.8	Conv. (m3/s)		28.8	
Length Wtd. (m)	95.85	Wetted Per. (m)		17.19	
Min Ch El (m)	816.82	Shear (N/m2)		26.58	
Alpha	1.00	Stream Power (N/m s)		34.20	
Frctn Loss (m)	1.75	Cum Volume (1000 m3)	0.00	1.21	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	5.68	

Plan: Plan 09 ArroyoPoeillo 1 RS: 801.0359 Profile: T=5

E.G. Elev (m)	817.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	817.16	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.16	Flow Area (m2)		4.66	
E.G. Slope (m/m)	0.014535	Area (m2)		4.66	
Q Total (m3/s)	7.34	Flow (m3/s)		7.34	
Top Width (m)	18.94	Top Width (m)		18.94	
Vel Total (m/s)	1.58	Avg. Vel. (m/s)		1.58	
Max Chl Dpth (m)	0.34	Hydr. Depth (m)		0.25	
Conv. Total (m3/s)	60.9	Conv. (m3/s)		60.9	
Length Wtd. (m)	95.85	Wetted Per. (m)		18.97	
Min Ch El (m)	816.82	Shear (N/m2)		35.00	
Alpha	1.00	Stream Power (N/m s)		55.15	
Frctn Loss (m)	1.73	Cum Volume (1000 m3)	0.01	1.81	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.05	6.75	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 801.0359 Profile: T=10

E.G. Elev (m)	817.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	817.24	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.24	Flow Area (m2)		6.15	
E.G. Slope (m/m)	0.013368	Area (m2)		6.15	
Q Total (m3/s)	10.76	Flow (m3/s)		10.76	
Top Width (m)	20.08	Top Width (m)		20.08	
Vel Total (m/s)	1.75	Avg. Vel. (m/s)		1.75	
Max Chl Dpth (m)	0.42	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	93.1	Conv. (m3/s)		93.1	
Length Wtd. (m)	95.85	Wetted Per. (m)		20.12	
Min Ch El (m)	816.82	Shear (N/m2)		40.08	
Alpha	1.00	Stream Power (N/m s)		70.10	
Frctn Loss (m)	1.72	Cum Volume (1000 m3)	0.01	2.43	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.07	7.89	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 801.0359 Profile: T=25

E.G. Elev (m)	817.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	817.32	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.32	Flow Area (m2)		7.98	
E.G. Slope (m/m)	0.012607	Area (m2)		7.98	
Q Total (m3/s)	15.49	Flow (m3/s)		15.49	

Plan: Plan 09 ArroyoPoeillo 1 RS: 801.0359 Profile: T=25 (Continued)

Top Width (m)	21.33	Top Width (m)		21.33	
Vel Total (m/s)	1.94	Avg. Vel. (m/s)		1.94	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.37	
Conv. Total (m3/s)	138.0	Conv. (m3/s)		138.0	
Length Wtd. (m)	95.85	Wetted Per. (m)		21.39	
Min Ch El (m)	816.82	Shear (N/m2)		46.15	
Alpha	1.00	Stream Power (N/m s)		89.54	
Frctn Loss (m)	1.70	Cum Volume (1000 m3)	0.02	3.20	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.27	9.33	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 801.0359 Profile: T=50

E.G. Elev (m)	817.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	817.39	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.39	Flow Area (m2)		9.41	
E.G. Slope (m/m)	0.011926	Area (m2)	0.00	9.41	
Q Total (m3/s)	19.40	Flow (m3/s)		19.40	
Top Width (m)	22.03	Top Width (m)	0.00	22.02	
Vel Total (m/s)	2.06	Avg. Vel. (m/s)		2.06	
Max Chl Dpth (m)	0.57	Hydr. Depth (m)		0.43	
Conv. Total (m3/s)	177.6	Conv. (m3/s)		177.6	
Length Wtd. (m)	95.85	Wetted Per. (m)		22.09	
Min Ch El (m)	816.82	Shear (N/m2)		49.83	
Alpha	1.00	Stream Power (N/m s)		102.70	
Frctn Loss (m)	1.68	Cum Volume (1000 m3)	0.04	3.73	0.01
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.68	9.64	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 801.0359 Profile: T=100

E.G. Elev (m)	817.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	817.46	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.46	Flow Area (m2)	0.02	10.94	
E.G. Slope (m/m)	0.011377	Area (m2)	0.02	10.94	
Q Total (m3/s)	24.13	Flow (m3/s)	0.01	24.12	
Top Width (m)	22.78	Top Width (m)	0.45	22.32	
Vel Total (m/s)	2.20	Avg. Vel. (m/s)	0.38	2.21	
Max Chl Dpth (m)	0.64	Hydr. Depth (m)	0.03	0.49	
Conv. Total (m3/s)	226.2	Conv. (m3/s)	0.1	226.2	
Length Wtd. (m)	95.86	Wetted Per. (m)	0.46	22.40	
Min Ch El (m)	816.82	Shear (N/m2)	3.83	54.49	
Alpha	1.00	Stream Power (N/m s)	1.44	120.15	
Frctn Loss (m)	1.66	Cum Volume (1000 m3)	0.06	4.85	0.01
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.88	10.29	0.05

Plan: Plan 09 ArroyoPoeillo 1 RS: 801.0359 Profile: T=500

E.G. Elev (m)	817.94	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	817.63	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.63	Flow Area (m2)	0.18	14.68	0.02
E.G. Slope (m/m)	0.010017	Area (m2)	0.18	14.68	0.02
Q Total (m3/s)	36.89	Flow (m3/s)	0.14	36.74	0.01
Top Width (m)	24.32	Top Width (m)	1.53	22.50	0.30
Vel Total (m/s)	2.48	Avg. Vel. (m/s)	0.80	2.50	0.50
Max Chl Dpth (m)	0.81	Hydr. Depth (m)	0.12	0.65	0.06
Conv. Total (m3/s)	368.6	Conv. (m3/s)	1.4	367.0	0.1
Length Wtd. (m)	95.92	Wetted Per. (m)	1.54	22.58	0.32
Min Ch El (m)	816.82	Shear (N/m2)	11.53	63.84	5.68

Plan: Plan 09 ArroyoPoeillo 1 RS: 801.0359 Profile: T=500 (Continued)

Alpha	1.02	Stream Power (N/m s)	9.23	159.81	2.83
Frctn Loss (m)	1.59	Cum Volume (1000 m3)	0.28	6.87	0.02
C & E Loss (m)	0.03	Cum SA (1000 m2)	1.56	10.65	0.09

Plan: Plan 09 ArroyoPoeillo 1 RS: 705.1880 Profile: T=2

E.G. Elev (m)	815.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	815.28	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.30	Flow Area (m2)		2.46	
E.G. Slope (m/m)	0.020589	Area (m2)		2.46	
Q Total (m3/s)	3.68	Flow (m3/s)		3.68	
Top Width (m)	14.02	Top Width (m)		14.02	
Vel Total (m/s)	1.50	Avg. Vel. (m/s)		1.50	
Max Chl Dpth (m)	0.35	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	25.6	Conv. (m3/s)		25.6	
Length Wtd. (m)	74.75	Wetted Per. (m)		14.05	
Min Ch El (m)	814.93	Shear (N/m2)		35.34	
Alpha	1.00	Stream Power (N/m s)		52.90	
Frctn Loss (m)	1.53	Cum Volume (1000 m3)	0.00	0.95	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	4.18	

Plan: Plan 09 ArroyoPoeillo 1 RS: 705.1880 Profile: T=5

E.G. Elev (m)	815.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	815.38	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.42	Flow Area (m2)		4.01	
E.G. Slope (m/m)	0.023096	Area (m2)		4.01	
Q Total (m3/s)	7.34	Flow (m3/s)		7.34	
Top Width (m)	18.40	Top Width (m)		18.40	
Vel Total (m/s)	1.83	Avg. Vel. (m/s)		1.83	
Max Chl Dpth (m)	0.45	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	48.3	Conv. (m3/s)		48.3	
Length Wtd. (m)	74.75	Wetted Per. (m)		18.44	
Min Ch El (m)	814.93	Shear (N/m2)		49.24	
Alpha	1.00	Stream Power (N/m s)		90.17	
Frctn Loss (m)	1.51	Cum Volume (1000 m3)	0.01	1.40	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.05	4.97	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 705.1880 Profile: T=10

E.G. Elev (m)	815.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	815.43	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.49	Flow Area (m2)		5.02	
E.G. Slope (m/m)	0.025500	Area (m2)		5.02	
Q Total (m3/s)	10.76	Flow (m3/s)		10.76	
Top Width (m)	19.56	Top Width (m)		19.56	
Vel Total (m/s)	2.15	Avg. Vel. (m/s)		2.15	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	67.4	Conv. (m3/s)		67.4	
Length Wtd. (m)	74.75	Wetted Per. (m)		19.61	
Min Ch El (m)	814.93	Shear (N/m2)		63.97	
Alpha	1.00	Stream Power (N/m s)		137.23	
Frctn Loss (m)	1.50	Cum Volume (1000 m3)	0.01	1.89	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.07	5.99	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 705.1880 Profile: T=25

E.G. Elev (m)	815.80	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.000	0.030	
W.S. Elev (m)	815.50	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.58	Flow Area (m2)	0.00	6.31	
E.G. Slope (m/m)	0.026888	Area (m2)	0.00	6.31	
Q Total (m3/s)	15.49	Flow (m3/s)	0.00	15.49	
Top Width (m)	21.06	Top Width (m)	0.14	20.92	
Vel Total (m/s)	2.45	Avg. Vel. (m/s)	0.11	2.45	
Max Chl Dpth (m)	0.57	Hydr. Depth (m)	0.00	0.30	
Conv. Total (m3/s)	94.5	Conv. (m3/s)	0.0	94.5	
Length Wtd. (m)	74.75	Wetted Per. (m)	0.14	20.98	
Min Ch El (m)	814.93	Shear (N/m2)		79.33	
Alpha	1.00	Stream Power (N/m s)		194.69	
Frctn Loss (m)	1.48	Cum Volume (1000 m3)	0.02	2.52	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.26	7.30	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 705.1880 Profile: T=50

E.G. Elev (m)	815.91	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.53	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.65	Flow Area (m2)	0.03	7.14	
E.G. Slope (m/m)	0.028220	Area (m2)	0.03	7.14	
Q Total (m3/s)	19.40	Flow (m3/s)	0.01	19.39	
Top Width (m)	22.24	Top Width (m)	1.18	21.07	
Vel Total (m/s)	2.71	Avg. Vel. (m/s)	0.44	2.72	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)	0.02	0.34	
Conv. Total (m3/s)	115.5	Conv. (m3/s)	0.1	115.4	
Length Wtd. (m)	74.75	Wetted Per. (m)	1.18	21.13	
Min Ch El (m)	814.93	Shear (N/m2)	6.18	93.49	
Alpha	1.01	Stream Power (N/m s)	2.75	253.94	
Frctn Loss (m)	1.47	Cum Volume (1000 m3)	0.04	2.94	0.01
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.62	7.57	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 705.1880 Profile: T=100

E.G. Elev (m)	816.03	Element	Left OB	Channel	Right OB
Vel Head (m)	0.45	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.58	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.71	Flow Area (m2)	0.10	8.06	
E.G. Slope (m/m)	0.029303	Area (m2)	0.10	8.06	
Q Total (m3/s)	24.13	Flow (m3/s)	0.07	24.06	
Top Width (m)	23.51	Top Width (m)	2.29	21.23	
Vel Total (m/s)	2.96	Avg. Vel. (m/s)	0.72	2.99	
Max Chl Dpth (m)	0.65	Hydr. Depth (m)	0.04	0.38	
Conv. Total (m3/s)	141.0	Conv. (m3/s)	0.4	140.5	
Length Wtd. (m)	74.76	Wetted Per. (m)	2.29	21.30	
Min Ch El (m)	814.93	Shear (N/m2)	12.81	108.74	
Alpha	1.02	Stream Power (N/m s)	9.18	324.61	
Frctn Loss (m)	1.46	Cum Volume (1000 m3)	0.05	3.94	0.01
C & E Loss (m)	0.04	Cum SA (1000 m2)	0.74	8.20	0.05

Plan: Plan 09 ArroyoPoeillo 1 RS: 705.1880 Profile: T=500

E.G. Elev (m)	816.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.65	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.67	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.87	Flow Area (m2)	0.42	10.08	
E.G. Slope (m/m)	0.032385	Area (m2)	0.42	10.08	
Q Total (m3/s)	36.89	Flow (m3/s)	0.55	36.34	

Plan: Plan 09 ArroyoPoeillo 1 RS: 705.1880 Profile: T=500 (Continued)

Top Width (m)	25.64	Top Width (m)	4.06	21.58	
Vel Total (m/s)	3.51	Avg. Vel. (m/s)	1.32	3.60	
Max Chl Dpth (m)	0.74	Hydr. Depth (m)	0.10	0.47	
Conv. Total (m3/s)	205.0	Conv. (m3/s)	3.1	201.9	
Length Wtd. (m)	74.82	Wetted Per. (m)	4.06	21.66	
Min Ch El (m)	814.93	Shear (N/m2)	32.66	147.87	
Alpha	1.04	Stream Power (N/m s)	43.00	532.84	
Frctn Loss (m)	1.46	Cum Volume (1000 m3)	0.25	5.68	0.02
C & E Loss (m)	0.08	Cum SA (1000 m2)	1.28	8.54	0.07

Plan: Plan 09 ArroyoPoeillo 1 RS: 630.4383 Profile: T=2

E.G. Elev (m)	813.86	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	813.73	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.75	Flow Area (m2)		2.28	
E.G. Slope (m/m)	0.020403	Area (m2)		2.28	
Q Total (m3/s)	3.68	Flow (m3/s)		3.68	
Top Width (m)	11.48	Top Width (m)		11.48	
Vel Total (m/s)	1.62	Avg. Vel. (m/s)		1.62	
Max Chl Dpth (m)	0.47	Hydr. Depth (m)		0.20	
Conv. Total (m3/s)	25.8	Conv. (m3/s)		25.8	
Length Wtd. (m)	84.46	Wetted Per. (m)		11.53	
Min Ch El (m)	813.26	Shear (N/m2)		39.53	
Alpha	1.00	Stream Power (N/m s)		63.85	
Frctn Loss (m)	3.17	Cum Volume (1000 m3)	0.00	0.78	
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.02	3.23	

Plan: Plan 09 ArroyoPoeillo 1 RS: 630.4383 Profile: T=5

E.G. Elev (m)	814.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	813.85	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.88	Flow Area (m2)		3.83	
E.G. Slope (m/m)	0.017795	Area (m2)		3.83	
Q Total (m3/s)	7.34	Flow (m3/s)		7.34	
Top Width (m)	13.44	Top Width (m)		13.44	
Vel Total (m/s)	1.92	Avg. Vel. (m/s)		1.92	
Max Chl Dpth (m)	0.59	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	55.0	Conv. (m3/s)		55.0	
Length Wtd. (m)	84.46	Wetted Per. (m)		13.51	
Min Ch El (m)	813.26	Shear (N/m2)		49.42	
Alpha	1.00	Stream Power (N/m s)		94.78	
Frctn Loss (m)	2.82	Cum Volume (1000 m3)	0.01	1.10	0.00
C & E Loss (m)	0.10	Cum SA (1000 m2)	0.05	3.78	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 630.4383 Profile: T=10

E.G. Elev (m)	814.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	813.95	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.98	Flow Area (m2)		5.18	
E.G. Slope (m/m)	0.016136	Area (m2)		5.18	
Q Total (m3/s)	10.76	Flow (m3/s)		10.76	
Top Width (m)	14.98	Top Width (m)		14.98	
Vel Total (m/s)	2.08	Avg. Vel. (m/s)		2.08	
Max Chl Dpth (m)	0.69	Hydr. Depth (m)		0.35	
Conv. Total (m3/s)	84.7	Conv. (m3/s)		84.7	
Length Wtd. (m)	84.46	Wetted Per. (m)		15.07	
Min Ch El (m)	813.26	Shear (N/m2)		54.38	

Plan: Plan 09 ArroyoPoeillo 1 RS: 630.4383 Profile: T=10 (Continued)

Alpha	1.00	Stream Power (N/m s)		112.99	
Frctn Loss (m)	2.77	Cum Volume (1000 m3)	0.01	1.51	0.00
C & E Loss (m)	0.10	Cum SA (1000 m2)	0.07	4.70	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 630.4383 Profile: T=25

E.G. Elev (m)	814.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	814.05	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.09	Flow Area (m2)		6.83	
E.G. Slope (m/m)	0.015114	Area (m2)		6.83	
Q Total (m3/s)	15.49	Flow (m3/s)		15.49	
Top Width (m)	16.46	Top Width (m)		16.46	
Vel Total (m/s)	2.27	Avg. Vel. (m/s)		2.27	
Max Chl Dpth (m)	0.79	Hydr. Depth (m)		0.41	
Conv. Total (m3/s)	126.0	Conv. (m3/s)		126.0	
Length Wtd. (m)	84.46	Wetted Per. (m)		16.56	
Min Ch El (m)	813.26	Shear (N/m2)		61.09	
Alpha	1.00	Stream Power (N/m s)		138.64	
Frctn Loss (m)	2.56	Cum Volume (1000 m3)	0.02	2.03	0.00
C & E Loss (m)	0.12	Cum SA (1000 m2)	0.26	5.91	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 630.4383 Profile: T=50

E.G. Elev (m)	814.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.		0.030	
W.S. Elev (m)	814.13	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.16	Flow Area (m2)		8.12	
E.G. Slope (m/m)	0.014441	Area (m2)		8.12	
Q Total (m3/s)	19.40	Flow (m3/s)		19.40	
Top Width (m)	17.49	Top Width (m)		17.49	
Vel Total (m/s)	2.39	Avg. Vel. (m/s)		2.39	
Max Chl Dpth (m)	0.87	Hydr. Depth (m)		0.46	
Conv. Total (m3/s)	161.4	Conv. (m3/s)		161.4	
Length Wtd. (m)	84.46	Wetted Per. (m)		17.60	
Min Ch El (m)	813.26	Shear (N/m2)		65.29	
Alpha	1.00	Stream Power (N/m s)		156.09	
Frctn Loss (m)	2.42	Cum Volume (1000 m3)	0.04	2.37	0.01
C & E Loss (m)	0.13	Cum SA (1000 m2)	0.57	6.13	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 630.4383 Profile: T=100

E.G. Elev (m)	814.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.		0.030	
W.S. Elev (m)	814.21	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.25	Flow Area (m2)		9.58	
E.G. Slope (m/m)	0.013956	Area (m2)		9.58	
Q Total (m3/s)	24.13	Flow (m3/s)		24.13	
Top Width (m)	18.62	Top Width (m)		18.62	
Vel Total (m/s)	2.52	Avg. Vel. (m/s)		2.52	
Max Chl Dpth (m)	0.95	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	204.3	Conv. (m3/s)		204.3	
Length Wtd. (m)	84.46	Wetted Per. (m)		18.75	
Min Ch El (m)	813.26	Shear (N/m2)		69.96	
Alpha	1.00	Stream Power (N/m s)		176.12	
Frctn Loss (m)	2.30	Cum Volume (1000 m3)	0.05	3.28	0.01
C & E Loss (m)	0.14	Cum SA (1000 m2)	0.64	6.72	0.05

Plan: Plan 09 ArroyoPoeillo 1 RS: 630.4383 Profile: T=500

E.G. Elev (m)	814.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.		0.030	
W.S. Elev (m)	814.40	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.45	Flow Area (m2)		13.33	
E.G. Slope (m/m)	0.013008	Area (m2)		13.33	
Q Total (m3/s)	36.89	Flow (m3/s)		36.89	
Top Width (m)	21.32	Top Width (m)		21.32	
Vel Total (m/s)	2.77	Avg. Vel. (m/s)		2.77	
Max Chl Dpth (m)	1.14	Hydr. Depth (m)		0.63	
Conv. Total (m3/s)	323.4	Conv. (m3/s)		323.4	
Length Wtd. (m)	84.46	Wetted Per. (m)		21.47	
Min Ch El (m)	813.26	Shear (N/m2)		79.20	
Alpha	1.00	Stream Power (N/m s)		219.15	
Frctn Loss (m)	2.05	Cum Volume (1000 m3)	0.23	4.81	0.02
C & E Loss (m)	0.16	Cum SA (1000 m2)	1.11	6.94	0.07

Plan: Plan 09 ArroyoPoeillo 1 RS: 545.9766 Profile: T=2

E.G. Elev (m)	810.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.82	Wt. n-Val.		0.030	
W.S. Elev (m)	809.80	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.07	Flow Area (m2)		0.92	
E.G. Slope (m/m)	0.090986	Area (m2)		0.92	
Q Total (m3/s)	3.68	Flow (m3/s)		3.68	
Top Width (m)	3.51	Top Width (m)		3.51	
Vel Total (m/s)	4.00	Avg. Vel. (m/s)		4.00	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	12.2	Conv. (m3/s)		12.2	
Length Wtd. (m)	90.93	Wetted Per. (m)		3.66	
Min Ch El (m)	809.30	Shear (N/m2)		224.18	
Alpha	1.00	Stream Power (N/m s)		897.47	
Frctn Loss (m)	3.89	Cum Volume (1000 m3)	0.00	0.64	
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.02	2.60	

Plan: Plan 09 ArroyoPoeillo 1 RS: 545.9766 Profile: T=5

E.G. Elev (m)	811.12	Element	Left OB	Channel	Right OB
Vel Head (m)	1.16	Wt. n-Val.		0.030	
W.S. Elev (m)	809.96	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.26	Flow Area (m2)		1.54	
E.G. Slope (m/m)	0.084510	Area (m2)		1.54	
Q Total (m3/s)	7.34	Flow (m3/s)		7.34	
Top Width (m)	4.25	Top Width (m)		4.25	
Vel Total (m/s)	4.76	Avg. Vel. (m/s)		4.76	
Max Chl Dpth (m)	0.66	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	25.2	Conv. (m3/s)		25.2	
Length Wtd. (m)	90.93	Wetted Per. (m)		4.47	
Min Ch El (m)	809.30	Shear (N/m2)		285.53	
Alpha	1.00	Stream Power (N/m s)		1359.78	
Frctn Loss (m)	3.97	Cum Volume (1000 m3)	0.01	0.88	0.00
C & E Loss (m)	0.20	Cum SA (1000 m2)	0.05	3.03	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 545.9766 Profile: T=10

E.G. Elev (m)	811.29	Element	Left OB	Channel	Right OB
Vel Head (m)	1.21	Wt. n-Val.		0.030	
W.S. Elev (m)	810.08	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.40	Flow Area (m2)		2.21	
E.G. Slope (m/m)	0.100018	Area (m2)		2.21	
Q Total (m3/s)	10.76	Flow (m3/s)		10.76	

Plan: Plan 09 ArroyoPoeillo 1 RS: 545.9766 Profile: T=10 (Continued)

Top Width (m)	6.75	Top Width (m)		6.75	
Vel Total (m/s)	4.87	Avg. Vel. (m/s)		4.87	
Max Chl Dpth (m)	0.78	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	34.0	Conv. (m3/s)		34.0	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.03	
Min Ch El (m)	809.30	Shear (N/m2)		308.22	
Alpha	1.00	Stream Power (N/m s)		1501.87	
Frctn Loss (m)	3.92	Cum Volume (1000 m3)	0.01	1.20	0.00
C & E Loss (m)	0.19	Cum SA (1000 m2)	0.07	3.78	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 545.9766 Profile: T=25

E.G. Elev (m)	811.63	Element	Left OB	Channel	Right OB
Vel Head (m)	1.45	Wt. n-Val.		0.030	
W.S. Elev (m)	810.19	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.57	Flow Area (m2)		2.91	
E.G. Slope (m/m)	0.089033	Area (m2)		2.91	
Q Total (m3/s)	15.49	Flow (m3/s)		15.49	
Top Width (m)	7.06	Top Width (m)		7.06	
Vel Total (m/s)	5.33	Avg. Vel. (m/s)		5.33	
Max Chl Dpth (m)	0.89	Hydr. Depth (m)		0.41	
Conv. Total (m3/s)	51.9	Conv. (m3/s)		51.9	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.40	
Min Ch El (m)	809.30	Shear (N/m2)		342.68	
Alpha	1.00	Stream Power (N/m s)		1827.05	
Frctn Loss (m)	3.92	Cum Volume (1000 m3)	0.02	1.62	0.00
C & E Loss (m)	0.21	Cum SA (1000 m2)	0.26	4.91	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 545.9766 Profile: T=50

E.G. Elev (m)	811.87	Element	Left OB	Channel	Right OB
Vel Head (m)	1.60	Wt. n-Val.		0.030	
W.S. Elev (m)	810.26	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.69	Flow Area (m2)		3.46	
E.G. Slope (m/m)	0.082150	Area (m2)		3.46	
Q Total (m3/s)	19.40	Flow (m3/s)		19.40	
Top Width (m)	7.30	Top Width (m)		7.30	
Vel Total (m/s)	5.61	Avg. Vel. (m/s)		5.61	
Max Chl Dpth (m)	0.96	Hydr. Depth (m)		0.47	
Conv. Total (m3/s)	67.7	Conv. (m3/s)		67.7	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.69	
Min Ch El (m)	809.30	Shear (N/m2)		362.39	
Alpha	1.00	Stream Power (N/m s)		2032.65	
Frctn Loss (m)	3.92	Cum Volume (1000 m3)	0.04	1.88	0.01
C & E Loss (m)	0.22	Cum SA (1000 m2)	0.57	5.08	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 545.9766 Profile: T=100

E.G. Elev (m)	812.09	Element	Left OB	Channel	Right OB
Vel Head (m)	1.74	Wt. n-Val.		0.030	
W.S. Elev (m)	810.35	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.83	Flow Area (m2)		4.13	
E.G. Slope (m/m)	0.074533	Area (m2)		4.13	
Q Total (m3/s)	24.13	Flow (m3/s)		24.13	
Top Width (m)	7.58	Top Width (m)		7.58	
Vel Total (m/s)	5.84	Avg. Vel. (m/s)		5.84	
Max Chl Dpth (m)	1.05	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	88.4	Conv. (m3/s)		88.4	
Length Wtd. (m)	90.93	Wetted Per. (m)		8.02	
Min Ch El (m)	809.30	Shear (N/m2)		376.13	

Plan: Plan 09 ArroyoPoeillo 1 RS: 545.9766 Profile: T=100 (Continued)

Alpha	1.00	Stream Power (N/m s)		2198.08	
Frctn Loss (m)	3.89	Cum Volume (1000 m3)	0.05	2.70	0.01
C & E Loss (m)	0.21	Cum SA (1000 m2)	0.64	5.61	0.05

Plan: Plan 09 ArroyoPoeillo 1 RS: 545.9766 Profile: T=500

E.G. Elev (m)	812.57	Element	Left OB	Channel	Right OB
Vel Head (m)	2.00	Wt. n-Val.		0.030	
W.S. Elev (m)	810.58	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	811.16	Flow Area (m2)		5.89	
E.G. Slope (m/m)	0.060650	Area (m2)		5.89	
Q Total (m3/s)	36.89	Flow (m3/s)		36.89	
Top Width (m)	8.27	Top Width (m)		8.27	
Vel Total (m/s)	6.26	Avg. Vel. (m/s)		6.26	
Max Chl Dpth (m)	1.28	Hydr. Depth (m)		0.71	
Conv. Total (m3/s)	149.8	Conv. (m3/s)		149.8	
Length Wtd. (m)	90.93	Wetted Per. (m)		8.85	
Min Ch El (m)	809.30	Shear (N/m2)		396.01	
Alpha	1.00	Stream Power (N/m s)		2478.85	
Frctn Loss (m)	3.79	Cum Volume (1000 m3)	0.23	3.99	0.02
C & E Loss (m)	0.18	Cum SA (1000 m2)	1.11	5.69	0.07

Plan: Plan 09 ArroyoPoeillo 1 RS: 455.0457 Profile: T=2

E.G. Elev (m)	806.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.33	Wt. n-Val.		0.030	
W.S. Elev (m)	806.25	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.34	Flow Area (m2)		1.44	
E.G. Slope (m/m)	0.024758	Area (m2)		1.44	
Q Total (m3/s)	3.68	Flow (m3/s)		3.68	
Top Width (m)	3.99	Top Width (m)		3.99	
Vel Total (m/s)	2.55	Avg. Vel. (m/s)		2.55	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	23.4	Conv. (m3/s)		23.4	
Length Wtd. (m)		Wetted Per. (m)		4.26	
Min Ch El (m)	805.58	Shear (N/m2)		82.25	
Alpha	1.00	Stream Power (N/m s)		209.64	
Frctn Loss (m)		Cum Volume (1000 m3)	0.00	0.53	
C & E Loss (m)		Cum SA (1000 m2)	0.02	2.26	

Plan: Plan 09 ArroyoPoeillo 1 RS: 455.0457 Profile: T=5

E.G. Elev (m)	806.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.50	Wt. n-Val.		0.030	
W.S. Elev (m)	806.45	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.60	Flow Area (m2)		2.34	
E.G. Slope (m/m)	0.026570	Area (m2)		2.34	
Q Total (m3/s)	7.34	Flow (m3/s)		7.34	
Top Width (m)	4.95	Top Width (m)		4.95	
Vel Total (m/s)	3.14	Avg. Vel. (m/s)		3.14	
Max Chl Dpth (m)	0.87	Hydr. Depth (m)		0.47	
Conv. Total (m3/s)	45.0	Conv. (m3/s)		45.0	
Length Wtd. (m)	115.71	Wetted Per. (m)		5.31	
Min Ch El (m)	805.58	Shear (N/m2)		114.63	
Alpha	1.00	Stream Power (N/m s)		360.26	
Frctn Loss (m)	9.09	Cum Volume (1000 m3)	0.01	0.70	0.00
C & E Loss (m)	0.54	Cum SA (1000 m2)	0.05	2.61	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 455.0457 Profile: T=10

E.G. Elev (m)	807.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.57	Wt. n-Val.		0.030	
W.S. Elev (m)	806.62	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.77	Flow Area (m2)		3.22	
E.G. Slope (m/m)	0.023845	Area (m2)		3.22	
Q Total (m3/s)	10.76	Flow (m3/s)		10.76	
Top Width (m)	5.72	Top Width (m)		5.72	
Vel Total (m/s)	3.34	Avg. Vel. (m/s)		3.34	
Max Chl Dpth (m)	1.04	Hydr. Depth (m)		0.56	
Conv. Total (m3/s)	69.7	Conv. (m3/s)		69.7	
Length Wtd. (m)	115.71	Wetted Per. (m)		6.15	
Min Ch El (m)	805.58	Shear (N/m2)		122.42	
Alpha	1.00	Stream Power (N/m s)		409.30	
Frctn Loss (m)	8.17	Cum Volume (1000 m3)	0.01	0.95	0.00
C & E Loss (m)	0.63	Cum SA (1000 m2)	0.07	3.21	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 455.0457 Profile: T=25

E.G. Elev (m)	807.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.74	Wt. n-Val.		0.030	
W.S. Elev (m)	806.76	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.97	Flow Area (m2)		4.05	
E.G. Slope (m/m)	0.025367	Area (m2)		4.05	
Q Total (m3/s)	15.49	Flow (m3/s)		15.49	
Top Width (m)	6.11	Top Width (m)		6.11	
Vel Total (m/s)	3.82	Avg. Vel. (m/s)		3.82	
Max Chl Dpth (m)	1.18	Hydr. Depth (m)		0.66	
Conv. Total (m3/s)	97.3	Conv. (m3/s)		97.3	
Length Wtd. (m)	115.71	Wetted Per. (m)		6.64	
Min Ch El (m)	805.58	Shear (N/m2)		151.93	
Alpha	1.00	Stream Power (N/m s)		580.65	
Frctn Loss (m)	8.28	Cum Volume (1000 m3)	0.02	1.30	0.00
C & E Loss (m)	0.63	Cum SA (1000 m2)	0.26	4.31	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 455.0457 Profile: T=50

E.G. Elev (m)	807.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.88	Wt. n-Val.		0.030	
W.S. Elev (m)	806.86	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.12	Flow Area (m2)		4.67	
E.G. Slope (m/m)	0.026443	Area (m2)		4.67	
Q Total (m3/s)	19.40	Flow (m3/s)		19.40	
Top Width (m)	6.39	Top Width (m)		6.39	
Vel Total (m/s)	4.15	Avg. Vel. (m/s)		4.15	
Max Chl Dpth (m)	1.28	Hydr. Depth (m)		0.73	
Conv. Total (m3/s)	119.3	Conv. (m3/s)		119.3	
Length Wtd. (m)	115.71	Wetted Per. (m)		6.98	
Min Ch El (m)	805.58	Shear (N/m2)		173.72	
Alpha	1.00	Stream Power (N/m s)		720.92	
Frctn Loss (m)	8.35	Cum Volume (1000 m3)	0.04	1.51	0.01
C & E Loss (m)	0.62	Cum SA (1000 m2)	0.57	4.46	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 455.0457 Profile: T=100

E.G. Elev (m)	807.99	Element	Left OB	Channel	Right OB
Vel Head (m)	1.03	Wt. n-Val.		0.030	
W.S. Elev (m)	806.96	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.28	Flow Area (m2)		5.36	
E.G. Slope (m/m)	0.027707	Area (m2)		5.36	
Q Total (m3/s)	24.13	Flow (m3/s)		24.13	

Plan: Plan 09 ArroyoPoeillo 1 RS: 455.0457 Profile: T=100 (Continued)

Top Width (m)	6.68	Top Width (m)		6.68	
Vel Total (m/s)	4.50	Avg. Vel. (m/s)		4.50	
Max Chl Dpth (m)	1.38	Hydr. Depth (m)		0.80	
Conv. Total (m3/s)	145.0	Conv. (m3/s)		145.0	
Length Wtd. (m)	115.71	Wetted Per. (m)		7.34	
Min Ch El (m)	805.58	Shear (N/m2)		198.53	
Alpha	1.00	Stream Power (N/m s)		893.58	
Frctn Loss (m)	1.18	Cum Volume (1000 m3)	0.05	2.27	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.64	4.96	0.05

Plan: Plan 09 ArroyoPoeillo 1 RS: 455.0457 Profile: T=500

E.G. Elev (m)	808.61	Element	Left OB	Channel	Right OB
Vel Head (m)	1.41	Wt. n-Val.		0.030	
W.S. Elev (m)	807.20	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.64	Flow Area (m2)		7.01	
E.G. Slope (m/m)	0.030379	Area (m2)		7.01	
Q Total (m3/s)	36.89	Flow (m3/s)		36.89	
Top Width (m)	7.33	Top Width (m)		7.33	
Vel Total (m/s)	5.26	Avg. Vel. (m/s)		5.26	
Max Chl Dpth (m)	1.62	Hydr. Depth (m)		0.96	
Conv. Total (m3/s)	211.7	Conv. (m3/s)		211.7	
Length Wtd. (m)	115.71	Wetted Per. (m)		8.14	
Min Ch El (m)	805.58	Shear (N/m2)		256.58	
Alpha	1.00	Stream Power (N/m s)		1349.42	
Frctn Loss (m)	1.11	Cum Volume (1000 m3)	0.23	3.41	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.11	4.98	0.07

Plan: Plan 09 ArroyoPoeillo 1 RS: 339.3399 Profile: T=2

E.G. Elev (m)	791.90	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	791.71	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.71	Flow Area (m2)		1.95	
E.G. Slope (m/m)	0.013359	Area (m2)		1.95	
Q Total (m3/s)	3.68	Flow (m3/s)		3.68	
Top Width (m)	5.44	Top Width (m)		5.44	
Vel Total (m/s)	1.89	Avg. Vel. (m/s)		1.89	
Max Chl Dpth (m)	0.53	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	31.8	Conv. (m3/s)		31.8	
Length Wtd. (m)	107.02	Wetted Per. (m)		5.66	
Min Ch El (m)	791.18	Shear (N/m2)		45.04	
Alpha	1.00	Stream Power (N/m s)		85.15	
Frctn Loss (m)	4.98	Cum Volume (1000 m3)	0.00	0.34	
C & E Loss (m)	0.79	Cum SA (1000 m2)	0.02	1.71	

Plan: Plan 09 ArroyoPoeillo 1 RS: 339.3399 Profile: T=5

E.G. Elev (m)	797.33	Element	Left OB	Channel	Right OB
Vel Head (m)	5.89	Wt. n-Val.		0.030	
W.S. Elev (m)	791.44	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.94	Flow Area (m2)		0.68	
E.G. Slope (m/m)	0.998771	Area (m2)		0.68	
Q Total (m3/s)	7.34	Flow (m3/s)		7.34	
Top Width (m)	3.62	Top Width (m)		3.62	
Vel Total (m/s)	10.75	Avg. Vel. (m/s)		10.75	
Max Chl Dpth (m)	0.26	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	7.3	Conv. (m3/s)		7.3	
Length Wtd. (m)	107.02	Wetted Per. (m)		3.72	
Min Ch El (m)	791.18	Shear (N/m2)		1795.38	

Plan: Plan 09 ArroyoPoeillo 1 RS: 339.3399 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		19299.80	
Frctn Loss (m)	16.55	Cum Volume (1000 m3)	0.01	0.53	0.00
C & E Loss (m)	1.51	Cum SA (1000 m2)	0.05	2.11	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 339.3399 Profile: T=10

E.G. Elev (m)	798.38	Element	Left OB	Channel	Right OB
Vel Head (m)	6.88	Wt. n-Val.		0.030	
W.S. Elev (m)	791.50	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.09	Flow Area (m2)		0.93	
E.G. Slope (m/m)	0.907761	Area (m2)		0.93	
Q Total (m3/s)	10.76	Flow (m3/s)		10.76	
Top Width (m)	4.06	Top Width (m)		4.06	
Vel Total (m/s)	11.62	Avg. Vel. (m/s)		11.62	
Max Chl Dpth (m)	0.32	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	11.3	Conv. (m3/s)		11.3	
Length Wtd. (m)	107.02	Wetted Per. (m)		4.19	
Min Ch El (m)	791.18	Shear (N/m2)		1969.45	
Alpha	1.00	Stream Power (N/m s)		22879.70	
Frctn Loss (m)	17.03	Cum Volume (1000 m3)	0.01	0.71	0.00
C & E Loss (m)	1.73	Cum SA (1000 m2)	0.07	2.65	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 339.3399 Profile: T=25

E.G. Elev (m)	798.60	Element	Left OB	Channel	Right OB
Vel Head (m)	7.01	Wt. n-Val.		0.030	
W.S. Elev (m)	791.59	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.26	Flow Area (m2)		1.32	
E.G. Slope (m/m)	0.697272	Area (m2)		1.32	
Q Total (m3/s)	15.49	Flow (m3/s)		15.49	
Top Width (m)	4.67	Top Width (m)		4.67	
Vel Total (m/s)	11.72	Avg. Vel. (m/s)		11.72	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	18.6	Conv. (m3/s)		18.6	
Length Wtd. (m)	107.02	Wetted Per. (m)		4.83	
Min Ch El (m)	791.18	Shear (N/m2)		1869.07	
Alpha	1.00	Stream Power (N/m s)		21911.79	
Frctn Loss (m)	16.87	Cum Volume (1000 m3)	0.02	0.99	0.00
C & E Loss (m)	1.67	Cum SA (1000 m2)	0.26	3.69	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 339.3399 Profile: T=50

E.G. Elev (m)	798.76	Element	Left OB	Channel	Right OB
Vel Head (m)	7.11	Wt. n-Val.		0.030	
W.S. Elev (m)	791.66	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.39	Flow Area (m2)		1.64	
E.G. Slope (m/m)	0.594447	Area (m2)		1.64	
Q Total (m3/s)	19.40	Flow (m3/s)		19.40	
Top Width (m)	5.08	Top Width (m)		5.08	
Vel Total (m/s)	11.81	Avg. Vel. (m/s)		11.81	
Max Chl Dpth (m)	0.48	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	25.2	Conv. (m3/s)		25.2	
Length Wtd. (m)	107.02	Wetted Per. (m)		5.28	
Min Ch El (m)	791.18	Shear (N/m2)		1815.43	
Alpha	1.00	Stream Power (N/m s)		21436.35	
Frctn Loss (m)	16.75	Cum Volume (1000 m3)	0.04	1.14	0.01
C & E Loss (m)	1.63	Cum SA (1000 m2)	0.57	3.80	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 339.3399 Profile: T=100

E.G. Elev (m)	793.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.47	Wt. n-Val.		0.030	
W.S. Elev (m)	792.53	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.54	Flow Area (m2)		7.93	
E.G. Slope (m/m)	0.010193	Area (m2)		7.93	
Q Total (m3/s)	24.13	Flow (m3/s)		24.13	
Top Width (m)	8.51	Top Width (m)		8.51	
Vel Total (m/s)	3.04	Avg. Vel. (m/s)		3.04	
Max Chl Dpth (m)	1.35	Hydr. Depth (m)		0.93	
Conv. Total (m3/s)	239.0	Conv. (m3/s)		239.0	
Length Wtd. (m)	107.02	Wetted Per. (m)		9.23	
Min Ch El (m)	791.18	Shear (N/m2)		85.90	
Alpha	1.00	Stream Power (N/m s)		261.31	
Frctn Loss (m)	3.46	Cum Volume (1000 m3)	0.05	1.50	0.01
C & E Loss (m)	0.97	Cum SA (1000 m2)	0.64	4.08	0.05

Plan: Plan 09 ArroyoPoeillo 1 RS: 339.3399 Profile: T=500

E.G. Elev (m)	793.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.		0.030	
W.S. Elev (m)	792.86	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.86	Flow Area (m2)		10.90	
E.G. Slope (m/m)	0.009558	Area (m2)		10.90	
Q Total (m3/s)	36.89	Flow (m3/s)		36.89	
Top Width (m)	9.34	Top Width (m)		9.34	
Vel Total (m/s)	3.39	Avg. Vel. (m/s)		3.39	
Max Chl Dpth (m)	1.68	Hydr. Depth (m)		1.17	
Conv. Total (m3/s)	377.3	Conv. (m3/s)		377.3	
Length Wtd. (m)		Wetted Per. (m)		10.29	
Min Ch El (m)	791.18	Shear (N/m2)		99.25	
Alpha	1.00	Stream Power (N/m s)		336.01	
Frctn Loss (m)		Cum Volume (1000 m3)	0.23	2.37	0.02
C & E Loss (m)		Cum SA (1000 m2)	1.11	4.01	0.07

Plan: Plan 09 ArroyoPoeillo 1 RS: 232.3247 Profile: T=2

E.G. Elev (m)	786.12	Element	Left OB	Channel	Right OB
Vel Head (m)	8.10	Wt. n-Val.		0.030	
W.S. Elev (m)	778.02	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.43	Flow Area (m2)		0.29	
E.G. Slope (m/m)	2.643422	Area (m2)		0.29	
Q Total (m3/s)	3.68	Flow (m3/s)		3.68	
Top Width (m)	2.55	Top Width (m)		2.55	
Vel Total (m/s)	12.60	Avg. Vel. (m/s)		12.60	
Max Chl Dpth (m)	0.23	Hydr. Depth (m)		0.11	
Conv. Total (m3/s)	2.3	Conv. (m3/s)		2.3	
Length Wtd. (m)	100.52	Wetted Per. (m)		2.60	
Min Ch El (m)	777.79	Shear (N/m2)		2907.65	
Alpha	1.00	Stream Power (N/m s)		36650.41	
Frctn Loss (m)	11.78	Cum Volume (1000 m3)	0.00	0.22	
C & E Loss (m)	2.36	Cum SA (1000 m2)	0.02	1.28	

Plan: Plan 09 ArroyoPoeillo 1 RS: 232.3247 Profile: T=5

E.G. Elev (m)	779.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.85	Wt. n-Val.		0.030	
W.S. Elev (m)	778.42	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.67	Flow Area (m2)		1.80	
E.G. Slope (m/m)	0.059929	Area (m2)		1.80	
Q Total (m3/s)	7.34	Flow (m3/s)		7.34	

Plan: Plan 09 ArroyoPoeillo 1 RS: 232.3247 Profile: T=5 (Continued)

Top Width (m)	4.92	Top Width (m)		4.92	
Vel Total (m/s)	4.08	Avg. Vel. (m/s)		4.08	
Max Chl Dpth (m)	0.63	Hydr. Depth (m)		0.37	
Conv. Total (m3/s)	30.0	Conv. (m3/s)		30.0	
Length Wtd. (m)	100.52	Wetted Per. (m)		5.10	
Min Ch El (m)	777.79	Shear (N/m2)		207.40	
Alpha	1.00	Stream Power (N/m s)		845.18	
Frctn Loss (m)	6.83	Cum Volume (1000 m3)	0.01	0.39	0.00
C & E Loss (m)	0.09	Cum SA (1000 m2)	0.05	1.66	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 232.3247 Profile: T=10

E.G. Elev (m)	779.62	Element	Left OB	Channel	Right OB
Vel Head (m)	1.11	Wt. n-Val.		0.030	
W.S. Elev (m)	778.52	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.84	Flow Area (m2)		2.31	
E.G. Slope (m/m)	0.063617	Area (m2)		2.31	
Q Total (m3/s)	10.76	Flow (m3/s)		10.76	
Top Width (m)	5.36	Top Width (m)		5.36	
Vel Total (m/s)	4.66	Avg. Vel. (m/s)		4.66	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)		0.43	
Conv. Total (m3/s)	42.7	Conv. (m3/s)		42.7	
Length Wtd. (m)	100.52	Wetted Per. (m)		5.59	
Min Ch El (m)	777.79	Shear (N/m2)		257.71	
Alpha	1.00	Stream Power (N/m s)		1201.76	
Frctn Loss (m)	7.02	Cum Volume (1000 m3)	0.01	0.54	0.00
C & E Loss (m)	0.17	Cum SA (1000 m2)	0.07	2.14	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 232.3247 Profile: T=25

E.G. Elev (m)	780.06	Element	Left OB	Channel	Right OB
Vel Head (m)	1.44	Wt. n-Val.		0.030	
W.S. Elev (m)	778.62	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.05	Flow Area (m2)		2.92	
E.G. Slope (m/m)	0.067807	Area (m2)		2.92	
Q Total (m3/s)	15.49	Flow (m3/s)		15.49	
Top Width (m)	5.83	Top Width (m)		5.83	
Vel Total (m/s)	5.31	Avg. Vel. (m/s)		5.31	
Max Chl Dpth (m)	0.83	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	59.5	Conv. (m3/s)		59.5	
Length Wtd. (m)	100.52	Wetted Per. (m)		6.11	
Min Ch El (m)	777.79	Shear (N/m2)		317.80	
Alpha	1.00	Stream Power (N/m s)		1686.22	
Frctn Loss (m)	7.32	Cum Volume (1000 m3)	0.02	0.76	0.00
C & E Loss (m)	0.28	Cum SA (1000 m2)	0.26	3.13	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 232.3247 Profile: T=50

E.G. Elev (m)	780.38	Element	Left OB	Channel	Right OB
Vel Head (m)	1.68	Wt. n-Val.		0.030	
W.S. Elev (m)	778.70	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.18	Flow Area (m2)		3.38	
E.G. Slope (m/m)	0.070813	Area (m2)		3.38	
Q Total (m3/s)	19.40	Flow (m3/s)		19.40	
Top Width (m)	6.16	Top Width (m)		6.16	
Vel Total (m/s)	5.75	Avg. Vel. (m/s)		5.75	
Max Chl Dpth (m)	0.91	Hydr. Depth (m)		0.55	
Conv. Total (m3/s)	72.9	Conv. (m3/s)		72.9	
Length Wtd. (m)	100.52	Wetted Per. (m)		6.47	
Min Ch El (m)	777.79	Shear (N/m2)		362.19	

Plan: Plan 09 ArroyoPoeillo 1 RS: 232.3247 Profile: T=50 (Continued)

Alpha	1.00	Stream Power (N/m s)		2081.68	
Frctn Loss (m)	7.48	Cum Volume (1000 m3)	0.04	0.88	0.01
C & E Loss (m)	0.33	Cum SA (1000 m2)	0.57	3.20	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 232.3247 Profile: T=100

E.G. Elev (m)	788.57	Element	Left OB	Channel	Right OB
Vel Head (m)	10.17	Wt. n-Val.		0.030	
W.S. Elev (m)	778.40	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.32	Flow Area (m2)		1.71	
E.G. Slope (m/m)	0.749867	Area (m2)		1.71	
Q Total (m3/s)	24.13	Flow (m3/s)		24.13	
Top Width (m)	4.81	Top Width (m)		4.81	
Vel Total (m/s)	14.13	Avg. Vel. (m/s)		14.13	
Max Chl Dpth (m)	0.61	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	27.9	Conv. (m3/s)		27.9	
Length Wtd. (m)	100.52	Wetted Per. (m)		4.99	
Min Ch El (m)	777.79	Shear (N/m2)		2517.60	
Alpha	1.00	Stream Power (N/m s)		35564.48	
Frctn Loss (m)	13.10	Cum Volume (1000 m3)	0.05	0.98	0.01
C & E Loss (m)	2.90	Cum SA (1000 m2)	0.64	3.37	0.05

Plan: Plan 09 ArroyoPoeillo 1 RS: 232.3247 Profile: T=500

E.G. Elev (m)	780.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.		0.030	
W.S. Elev (m)	779.63	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.63	Flow Area (m2)		11.47	
E.G. Slope (m/m)	0.009623	Area (m2)		11.47	
Q Total (m3/s)	36.89	Flow (m3/s)		36.89	
Top Width (m)	11.06	Top Width (m)		11.06	
Vel Total (m/s)	3.22	Avg. Vel. (m/s)		3.22	
Max Chl Dpth (m)	1.84	Hydr. Depth (m)		1.04	
Conv. Total (m3/s)	376.1	Conv. (m3/s)		376.1	
Length Wtd. (m)	100.52	Wetted Per. (m)		11.75	
Min Ch El (m)	777.79	Shear (N/m2)		92.10	
Alpha	1.00	Stream Power (N/m s)		296.31	
Frctn Loss (m)	3.14	Cum Volume (1000 m3)	0.23	1.17	0.02
C & E Loss (m)	0.42	Cum SA (1000 m2)	1.11	2.92	0.07

Plan: Plan 09 ArroyoPoeillo 1 RS: 131.8060 Profile: T=2

E.G. Elev (m)	771.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	771.75	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.82	Flow Area (m2)		1.73	
E.G. Slope (m/m)	0.038345	Area (m2)		1.73	
Q Total (m3/s)	3.68	Flow (m3/s)		3.68	
Top Width (m)	9.26	Top Width (m)		9.26	
Vel Total (m/s)	2.13	Avg. Vel. (m/s)		2.13	
Max Chl Dpth (m)	0.36	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	18.8	Conv. (m3/s)		18.8	
Length Wtd. (m)	92.01	Wetted Per. (m)		9.28	
Min Ch El (m)	771.39	Shear (N/m2)		70.02	
Alpha	1.00	Stream Power (N/m s)		149.04	
Frctn Loss (m)	7.16	Cum Volume (1000 m3)	0.00	0.12	
C & E Loss (m)	0.08	Cum SA (1000 m2)	0.02	0.69	

Plan: Plan 09 ArroyoPoeillo 1 RS: 131.8060 Profile: T=5

E.G. Elev (m)	772.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.		0.030	
W.S. Elev (m)	771.80	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.97	Flow Area (m2)		2.25	
E.G. Slope (m/m)	0.077639	Area (m2)		2.25	
Q Total (m3/s)	7.34	Flow (m3/s)		7.34	
Top Width (m)	10.82	Top Width (m)		10.82	
Vel Total (m/s)	3.26	Avg. Vel. (m/s)		3.26	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	26.3	Conv. (m3/s)		26.3	
Length Wtd. (m)	92.08	Wetted Per. (m)		10.85	
Min Ch El (m)	771.39	Shear (N/m2)		158.08	
Alpha	1.00	Stream Power (N/m s)		514.83	
Frctn Loss (m)	7.72	Cum Volume (1000 m3)	0.01	0.19	0.00
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.05	0.87	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 131.8060 Profile: T=10

E.G. Elev (m)	772.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.		0.030	
W.S. Elev (m)	771.88	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.04	Flow Area (m2)		3.29	
E.G. Slope (m/m)	0.077122	Area (m2)		3.29	
Q Total (m3/s)	10.76	Flow (m3/s)		10.76	
Top Width (m)	15.65	Top Width (m)		15.65	
Vel Total (m/s)	3.27	Avg. Vel. (m/s)		3.27	
Max Chl Dpth (m)	0.49	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	38.7	Conv. (m3/s)		38.7	
Length Wtd. (m)	92.10	Wetted Per. (m)		15.70	
Min Ch El (m)	771.39	Shear (N/m2)		158.59	
Alpha	1.00	Stream Power (N/m s)		518.18	
Frctn Loss (m)	7.52	Cum Volume (1000 m3)	0.01	0.26	0.00
C & E Loss (m)	0.04	Cum SA (1000 m2)	0.07	1.09	0.02

Plan: Plan 09 ArroyoPoeillo 1 RS: 131.8060 Profile: T=25

E.G. Elev (m)	772.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.50	Wt. n-Val.		0.030	
W.S. Elev (m)	771.96	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.10	Flow Area (m2)		4.97	
E.G. Slope (m/m)	0.078347	Area (m2)		4.97	
Q Total (m3/s)	15.49	Flow (m3/s)		15.49	
Top Width (m)	25.64	Top Width (m)		25.64	
Vel Total (m/s)	3.12	Avg. Vel. (m/s)		3.12	
Max Chl Dpth (m)	0.57	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	55.3	Conv. (m3/s)		55.3	
Length Wtd. (m)	92.12	Wetted Per. (m)		25.71	
Min Ch El (m)	771.39	Shear (N/m2)		148.43	
Alpha	1.00	Stream Power (N/m s)		462.82	
Frctn Loss (m)	7.25	Cum Volume (1000 m3)	0.02	0.36	0.00
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.26	1.55	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 131.8060 Profile: T=50

E.G. Elev (m)	772.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.		0.030	
W.S. Elev (m)	771.99	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.16	Flow Area (m2)		5.73	
E.G. Slope (m/m)	0.078248	Area (m2)		5.73	
Q Total (m3/s)	19.40	Flow (m3/s)		19.40	

Plan: Plan 09 ArroyoPoeillo 1 RS: 131.8060 Profile: T=50 (Continued)

Top Width (m)	26.16	Top Width (m)		26.16	
Vel Total (m/s)	3.38	Avg. Vel. (m/s)		3.38	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	69.4	Conv. (m3/s)		69.4	
Length Wtd. (m)	92.18	Wetted Per. (m)		26.25	
Min Ch El (m)	771.39	Shear (N/m2)		167.68	
Alpha	1.00	Stream Power (N/m s)		567.21	
Frctn Loss (m)	7.18	Cum Volume (1000 m3)	0.04	0.42	0.01
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.57	1.57	0.04

Plan: Plan 09 ArroyoPoeillo 1 RS: 131.8060 Profile: T=100

E.G. Elev (m)	772.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.51	Wt. n-Val.		0.030	
W.S. Elev (m)	772.06	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.21	Flow Area (m2)		7.66	
E.G. Slope (m/m)	0.052023	Area (m2)		7.66	
Q Total (m3/s)	24.13	Flow (m3/s)		24.13	
Top Width (m)	28.66	Top Width (m)		28.66	
Vel Total (m/s)	3.15	Avg. Vel. (m/s)		3.15	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	105.8	Conv. (m3/s)		105.8	
Length Wtd. (m)	92.21	Wetted Per. (m)		28.76	
Min Ch El (m)	771.39	Shear (N/m2)		135.94	
Alpha	1.00	Stream Power (N/m s)		427.96	
Frctn Loss (m)	6.61	Cum Volume (1000 m3)	0.05	0.51	0.01
C & E Loss (m)	0.12	Cum SA (1000 m2)	0.64	1.69	0.05

Plan: Plan 09 ArroyoPoeillo 1 RS: 131.8060 Profile: T=500

E.G. Elev (m)	776.60	Element	Left OB	Channel	Right OB
Vel Head (m)	4.69	Wt. n-Val.		0.030	
W.S. Elev (m)	771.92	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.35	Flow Area (m2)		3.85	
E.G. Slope (m/m)	0.786212	Area (m2)		3.85	
Q Total (m3/s)	36.89	Flow (m3/s)		36.89	
Top Width (m)	20.76	Top Width (m)		20.76	
Vel Total (m/s)	9.59	Avg. Vel. (m/s)		9.59	
Max Chl Dpth (m)	0.53	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	41.6	Conv. (m3/s)		41.6	
Length Wtd. (m)	92.79	Wetted Per. (m)		20.82	
Min Ch El (m)	771.39	Shear (N/m2)		1424.69	
Alpha	1.00	Stream Power (N/m s)		13660.92	
Frctn Loss (m)	10.27	Cum Volume (1000 m3)	0.23	0.40	0.02
C & E Loss (m)	1.13	Cum SA (1000 m2)	1.11	1.32	0.07

Plan: Plan 09 ArroyoPoeillo 1 RS: 39.82295 Profile: T=2

E.G. Elev (m)	764.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.99	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	763.75	Reach Len. (m)			
Crit W.S. (m)	763.93	Flow Area (m2)	0.02	0.82	
E.G. Slope (m/m)	0.235218	Area (m2)	0.02	0.82	
Q Total (m3/s)	3.68	Flow (m3/s)	0.04	3.64	
Top Width (m)	6.15	Top Width (m)	0.42	5.72	
Vel Total (m/s)	4.37	Avg. Vel. (m/s)	2.03	4.43	
Max Chl Dpth (m)	0.24	Hydr. Depth (m)	0.05	0.14	
Conv. Total (m3/s)	7.6	Conv. (m3/s)	0.1	7.5	
Length Wtd. (m)		Wetted Per. (m)	0.43	5.74	
Min Ch El (m)	763.51	Shear (N/m2)	102.87	330.43	

Plan: Plan 09 ArroyoPoeillo 1 RS: 39.82295 Profile: T=2 (Continued)

Alpha	1.02	Stream Power (N/m s)	209.14	1462.51	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 09 ArroyoPoeillo 1 RS: 39.82295 Profile: T=5

E.G. Elev (m)	764.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.71	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	763.89	Reach Len. (m)			
Crit W.S. (m)	764.12	Flow Area (m2)	0.12	1.86	0.02
E.G. Slope (m/m)	0.090888	Area (m2)	0.12	1.86	0.02
Q Total (m3/s)	7.34	Flow (m3/s)	0.29	7.03	0.02
Top Width (m)	9.43	Top Width (m)	1.07	8.00	0.35
Vel Total (m/s)	3.68	Avg. Vel. (m/s)	2.35	3.79	1.33
Max Chl Dpth (m)	0.38	Hydr. Depth (m)	0.12	0.23	0.05
Conv. Total (m3/s)	24.3	Conv. (m3/s)	1.0	23.3	0.1
Length Wtd. (m)		Wetted Per. (m)	1.10	8.02	0.37
Min Ch El (m)	763.51	Shear (N/m2)	100.54	206.15	43.12
Alpha	1.03	Stream Power (N/m s)	235.87	780.56	57.53
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 09 ArroyoPoeillo 1 RS: 39.82295 Profile: T=10

E.G. Elev (m)	764.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.92	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	763.95	Reach Len. (m)			
Crit W.S. (m)	764.21	Flow Area (m2)	0.20	2.35	0.05
E.G. Slope (m/m)	0.086641	Area (m2)	0.20	2.35	0.05
Q Total (m3/s)	10.76	Flow (m3/s)	0.53	10.15	0.08
Top Width (m)	9.93	Top Width (m)	1.36	8.00	0.57
Vel Total (m/s)	4.15	Avg. Vel. (m/s)	2.68	4.32	1.79
Max Chl Dpth (m)	0.44	Hydr. Depth (m)	0.15	0.29	0.08
Conv. Total (m3/s)	36.6	Conv. (m3/s)	1.8	34.5	0.3
Length Wtd. (m)		Wetted Per. (m)	1.39	8.02	0.59
Min Ch El (m)	763.51	Shear (N/m2)	121.34	248.53	66.19
Alpha	1.04	Stream Power (N/m s)	325.27	1074.50	118.45
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 09 ArroyoPoeillo 1 RS: 39.82295 Profile: T=25

E.G. Elev (m)	765.15	Element	Left OB	Channel	Right OB
Vel Head (m)	1.12	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.03	Reach Len. (m)			
Crit W.S. (m)	764.28	Flow Area (m2)	0.38	2.96	0.10
E.G. Slope (m/m)	0.079032	Area (m2)	0.38	2.96	0.10
Q Total (m3/s)	15.49	Flow (m3/s)	0.99	14.28	0.22
Top Width (m)	14.13	Top Width (m)	5.29	8.00	0.84
Vel Total (m/s)	4.50	Avg. Vel. (m/s)	2.62	4.82	2.21
Max Chl Dpth (m)	0.52	Hydr. Depth (m)	0.07	0.37	0.12
Conv. Total (m3/s)	55.1	Conv. (m3/s)	3.5	50.8	0.8
Length Wtd. (m)		Wetted Per. (m)	5.34	8.02	0.87
Min Ch El (m)	763.51	Shear (N/m2)	54.86	286.05	88.99
Alpha	1.08	Stream Power (N/m s)	143.90	1379.26	197.02
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 09 ArroyoPoeillo 1 RS: 39.82295 Profile: T=50

E.G. Elev (m)	765.32	Element	Left OB	Channel	Right OB
Vel Head (m)	1.25	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.08	Reach Len. (m)			
Crit W.S. (m)	764.34	Flow Area (m2)	0.80	3.34	0.14
E.G. Slope (m/m)	0.077631	Area (m2)	0.80	3.34	0.14
Q Total (m3/s)	19.40	Flow (m3/s)	1.74	17.31	0.36
Top Width (m)	20.71	Top Width (m)	11.70	8.00	1.00
Vel Total (m/s)	4.53	Avg. Vel. (m/s)	2.17	5.18	2.48
Max Chl Dpth (m)	0.57	Hydr. Depth (m)	0.07	0.42	0.14
Conv. Total (m3/s)	69.6	Conv. (m3/s)	6.2	62.1	1.3
Length Wtd. (m)		Wetted Per. (m)	11.77	8.02	1.04
Min Ch El (m)	763.51	Shear (N/m2)	51.71	317.08	104.82
Alpha	1.19	Stream Power (N/m s)	112.34	1642.40	259.59
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 09 ArroyoPoeillo 1 RS: 39.82295 Profile: T=100

E.G. Elev (m)	765.83	Element	Left OB	Channel	Right OB
Vel Head (m)	1.74	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.09	Reach Len. (m)			
Crit W.S. (m)	764.39	Flow Area (m2)	0.97	3.45	0.16
E.G. Slope (m/m)	0.105148	Area (m2)	0.97	3.45	0.16
Q Total (m3/s)	24.13	Flow (m3/s)	2.42	21.24	0.47
Top Width (m)	22.21	Top Width (m)	13.16	8.00	1.05
Vel Total (m/s)	5.27	Avg. Vel. (m/s)	2.50	6.16	2.97
Max Chl Dpth (m)	0.58	Hydr. Depth (m)	0.07	0.43	0.15
Conv. Total (m3/s)	74.4	Conv. (m3/s)	7.5	65.5	1.4
Length Wtd. (m)		Wetted Per. (m)	13.23	8.02	1.09
Min Ch El (m)	763.51	Shear (N/m2)	75.42	443.39	148.69
Alpha	1.23	Stream Power (N/m s)	188.49	2730.35	441.96
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 09 ArroyoPoeillo 1 RS: 39.82295 Profile: T=500

E.G. Elev (m)	765.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.92	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.28	Reach Len. (m)			
Crit W.S. (m)	764.54	Flow Area (m2)	4.73	4.94	0.41
E.G. Slope (m/m)	0.041938	Area (m2)	4.73	4.94	0.41
Q Total (m3/s)	36.89	Flow (m3/s)	11.43	24.39	1.07
Top Width (m)	32.32	Top Width (m)	22.61	8.00	1.71
Vel Total (m/s)	3.66	Avg. Vel. (m/s)	2.42	4.94	2.59
Max Chl Dpth (m)	0.77	Hydr. Depth (m)	0.21	0.62	0.24
Conv. Total (m3/s)	180.1	Conv. (m3/s)	55.8	119.1	5.2
Length Wtd. (m)		Wetted Per. (m)	22.73	8.02	1.77
Min Ch El (m)	763.51	Shear (N/m2)	85.56	253.11	96.08
Alpha	1.35	Stream Power (N/m s)	206.86	1250.14	248.80
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 TributarioArroyo 1 RS: 1253.751 Profile: T=2

E.G. Elev (m)	818.12	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	817.94	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	817.94	Flow Area (m2)		7.67	
E.G. Slope (m/m)	0.012956	Area (m2)		7.67	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	21.89	Top Width (m)		21.89	
Vel Total (m/s)	1.88	Avg. Vel. (m/s)		1.88	
Max Chl Dpth (m)	0.58	Hydr. Depth (m)		0.35	
Conv. Total (m3/s)	126.8	Conv. (m3/s)		126.8	
Length Wtd. (m)	83.80	Wetted Per. (m)		21.97	
Min Ch El (m)	817.36	Shear (N/m2)		44.36	
Alpha	1.00	Stream Power (N/m s)		83.45	
Frctn Loss (m)	1.10	Cum Volume (1000 m3)	0.05	8.47	0.04
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.45	21.50	0.49

Plan: Plan 02 TributarioArroyo 1 RS: 1253.751 Profile: T=5

E.G. Elev (m)	818.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	818.15	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.15	Flow Area (m2)	0.02	12.34	
E.G. Slope (m/m)	0.011091	Area (m2)	0.02	12.34	
Q Total (m3/s)	28.38	Flow (m3/s)	0.01	28.37	
Top Width (m)	23.55	Top Width (m)	0.36	23.19	
Vel Total (m/s)	2.30	Avg. Vel. (m/s)	0.46	2.30	
Max Chl Dpth (m)	0.79	Hydr. Depth (m)	0.05	0.53	
Conv. Total (m3/s)	269.5	Conv. (m3/s)	0.1	269.4	
Length Wtd. (m)	83.79	Wetted Per. (m)	0.37	23.30	
Min Ch El (m)	817.36	Shear (N/m2)	5.13	57.62	
Alpha	1.00	Stream Power (N/m s)	2.35	132.41	
Frctn Loss (m)	0.91	Cum Volume (1000 m3)	0.16	13.93	0.18
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.75	24.52	1.23

Plan: Plan 02 TributarioArroyo 1 RS: 1253.751 Profile: T=10

E.G. Elev (m)	818.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	818.31	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.31	Flow Area (m2)	0.12	16.15	
E.G. Slope (m/m)	0.010132	Area (m2)	0.12	16.15	
Q Total (m3/s)	41.73	Flow (m3/s)	0.10	41.63	
Top Width (m)	24.80	Top Width (m)	0.96	23.84	
Vel Total (m/s)	2.56	Avg. Vel. (m/s)	0.84	2.58	
Max Chl Dpth (m)	0.95	Hydr. Depth (m)	0.13	0.68	
Conv. Total (m3/s)	414.6	Conv. (m3/s)	1.0	413.5	
Length Wtd. (m)	83.80	Wetted Per. (m)	0.99	23.97	
Min Ch El (m)	817.36	Shear (N/m2)	12.44	66.92	
Alpha	1.01	Stream Power (N/m s)	10.44	172.54	
Frctn Loss (m)	0.81	Cum Volume (1000 m3)	0.34	18.38	0.42
C & E Loss (m)	0.02	Cum SA (1000 m2)	1.60	25.68	1.85

Plan: Plan 02 TributarioArroyo 1 RS: 1253.751 Profile: T=25

E.G. Elev (m)	818.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	818.51	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.51	Flow Area (m2)	0.38	20.86	0.04
E.G. Slope (m/m)	0.009118	Area (m2)	0.38	20.86	0.04
Q Total (m3/s)	60.71	Flow (m3/s)	0.45	60.24	0.02

Plan: Plan 02 TributarioArroyo 1 RS: 1253.751 Profile: T=25 (Continued)

Top Width (m)	26.20	Top Width (m)	1.69	24.00	0.51
Vel Total (m/s)	2.85	Avg. Vel. (m/s)	1.16	2.89	0.56
Max Chl Dpth (m)	1.15	Hydr. Depth (m)	0.23	0.87	0.08
Conv. Total (m3/s)	635.8	Conv. (m3/s)	4.7	630.9	0.2
Length Wtd. (m)	83.82	Wetted Per. (m)	1.75	24.14	0.53
Min Ch El (m)	817.36	Shear (N/m2)	19.68	77.27	6.67
Alpha	1.02	Stream Power (N/m s)	22.83	223.14	3.76
Frctn Loss (m)	0.71	Cum Volume (1000 m3)	0.72	23.99	0.86
C & E Loss (m)	0.03	Cum SA (1000 m2)	2.55	26.72	3.18

Plan: Plan 02 TributarioArroyo 1 RS: 1253.751 Profile: T=50

E.G. Elev (m)	819.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.48	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	818.65	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.65	Flow Area (m2)	0.68	24.43	0.15
E.G. Slope (m/m)	0.008517	Area (m2)	0.68	24.43	0.15
Q Total (m3/s)	76.79	Flow (m3/s)	0.91	75.75	0.13
Top Width (m)	27.26	Top Width (m)	2.26	24.00	1.00
Vel Total (m/s)	3.04	Avg. Vel. (m/s)	1.35	3.10	0.85
Max Chl Dpth (m)	1.29	Hydr. Depth (m)	0.30	1.02	0.15
Conv. Total (m3/s)	832.1	Conv. (m3/s)	9.9	820.8	1.4
Length Wtd. (m)	83.84	Wetted Per. (m)	2.34	24.14	1.04
Min Ch El (m)	817.36	Shear (N/m2)	24.16	84.52	12.17
Alpha	1.03	Stream Power (N/m s)	32.50	262.08	10.37
Frctn Loss (m)	0.67	Cum Volume (1000 m3)	1.05	28.00	1.28
C & E Loss (m)	0.03	Cum SA (1000 m2)	3.33	27.03	3.88

Plan: Plan 02 TributarioArroyo 1 RS: 1253.751 Profile: T=100

E.G. Elev (m)	819.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.55	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	818.82	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.82	Flow Area (m2)	1.12	28.47	0.37
E.G. Slope (m/m)	0.007961	Area (m2)	1.12	28.47	0.37
Q Total (m3/s)	96.61	Flow (m3/s)	1.70	94.51	0.40
Top Width (m)	28.50	Top Width (m)	2.95	24.00	1.55
Vel Total (m/s)	3.23	Avg. Vel. (m/s)	1.52	3.32	1.10
Max Chl Dpth (m)	1.46	Hydr. Depth (m)	0.38	1.19	0.24
Conv. Total (m3/s)	1082.8	Conv. (m3/s)	19.0	1059.2	4.5
Length Wtd. (m)	83.87	Wetted Per. (m)	3.05	24.14	1.62
Min Ch El (m)	817.36	Shear (N/m2)	28.58	92.07	17.66
Alpha	1.04	Stream Power (N/m s)	43.49	305.66	19.50
Frctn Loss (m)	0.63	Cum Volume (1000 m3)	1.77	32.80	2.09
C & E Loss (m)	0.04	Cum SA (1000 m2)	4.56	27.19	4.95

Plan: Plan 02 TributarioArroyo 1 RS: 1253.751 Profile: T=500

E.G. Elev (m)	819.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.70	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	819.23	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	819.23	Flow Area (m2)	2.66	38.31	1.27
E.G. Slope (m/m)	0.006903	Area (m2)	2.66	38.31	1.27
Q Total (m3/s)	151.40	Flow (m3/s)	5.06	144.35	1.99
Top Width (m)	31.38	Top Width (m)	4.53	24.00	2.86
Vel Total (m/s)	3.58	Avg. Vel. (m/s)	1.90	3.77	1.57
Max Chl Dpth (m)	1.87	Hydr. Depth (m)	0.59	1.60	0.45
Conv. Total (m3/s)	1822.2	Conv. (m3/s)	60.9	1737.3	24.0
Length Wtd. (m)	83.89	Wetted Per. (m)	4.68	24.14	2.99
Min Ch El (m)	817.36	Shear (N/m2)	38.50	107.43	28.82

Plan: Plan 02 TributarioArroyo 1 RS: 1253.751 Profile: T=500 (Continued)

Alpha	1.07	Stream Power (N/m s)	73.21	404.82	45.17
Frctn Loss (m)	0.57	Cum Volume (1000 m3)	3.77	43.71	4.26
C & E Loss (m)	0.05	Cum SA (1000 m2)	6.78	27.41	6.79

Plan: Plan 02 TributarioArroyo 1 RS: 1169.948 Profile: T=2

E.G. Elev (m)	815.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.42	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.42	Flow Area (m2)	0.00	8.09	
E.G. Slope (m/m)	0.013231	Area (m2)	0.00	8.09	
Q Total (m3/s)	14.43	Flow (m3/s)	0.00	14.43	
Top Width (m)	25.80	Top Width (m)	0.30	25.50	
Vel Total (m/s)	1.78	Avg. Vel. (m/s)	0.25	1.78	
Max Chl Dpth (m)	0.56	Hydr. Depth (m)	0.02	0.32	
Conv. Total (m3/s)	125.4	Conv. (m3/s)	0.0	125.4	
Length Wtd. (m)	108.85	Wetted Per. (m)	0.30	25.53	
Min Ch El (m)	814.86	Shear (N/m2)	2.11	41.14	
Alpha	1.00	Stream Power (N/m s)	0.52	73.34	
Frctn Loss (m)	1.32	Cum Volume (1000 m3)	0.05	7.81	0.04
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.44	19.51	0.49

Plan: Plan 02 TributarioArroyo 1 RS: 1169.948 Profile: T=5

E.G. Elev (m)	815.85	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.61	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.61	Flow Area (m2)	0.22	12.96	0.16
E.G. Slope (m/m)	0.010733	Area (m2)	0.22	12.96	0.16
Q Total (m3/s)	28.38	Flow (m3/s)	0.17	28.11	0.10
Top Width (m)	30.16	Top Width (m)	2.00	26.00	2.16
Vel Total (m/s)	2.13	Avg. Vel. (m/s)	0.79	2.17	0.61
Max Chl Dpth (m)	0.75	Hydr. Depth (m)	0.11	0.50	0.07
Conv. Total (m3/s)	273.9	Conv. (m3/s)	1.7	271.3	0.9
Length Wtd. (m)	108.88	Wetted Per. (m)	2.01	26.03	2.16
Min Ch El (m)	814.86	Shear (N/m2)	11.51	52.40	7.84
Alpha	1.03	Stream Power (N/m s)	9.09	113.66	4.79
Frctn Loss (m)	1.13	Cum Volume (1000 m3)	0.15	12.87	0.18
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.66	22.46	1.13

Plan: Plan 02 TributarioArroyo 1 RS: 1169.948 Profile: T=10

E.G. Elev (m)	816.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.76	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.76	Flow Area (m2)	0.67	16.89	0.67
E.G. Slope (m/m)	0.009214	Area (m2)	0.67	16.89	0.67
Q Total (m3/s)	41.73	Flow (m3/s)	0.65	40.50	0.57
Top Width (m)	34.67	Top Width (m)	3.89	26.00	4.78
Vel Total (m/s)	2.29	Avg. Vel. (m/s)	0.98	2.40	0.86
Max Chl Dpth (m)	0.90	Hydr. Depth (m)	0.17	0.65	0.14
Conv. Total (m3/s)	434.7	Conv. (m3/s)	6.8	421.9	6.0
Length Wtd. (m)	109.03	Wetted Per. (m)	3.91	26.03	4.79
Min Ch El (m)	814.86	Shear (N/m2)	15.38	58.63	12.58
Alpha	1.07	Stream Power (N/m s)	15.12	140.59	10.82
Frctn Loss (m)	0.97	Cum Volume (1000 m3)	0.31	16.99	0.39
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.42	23.59	1.63

Plan: Plan 02 TributarioArroyo 1 RS: 1169.948 Profile: T=25

E.G. Elev (m)	816.28	Element	Left OB	Channel	Right OB
Vel Head (m)	0.33	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.94	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.94	Flow Area (m2)	1.54	21.65	1.88
E.G. Slope (m/m)	0.007885	Area (m2)	1.54	21.65	1.88
Q Total (m3/s)	60.71	Flow (m3/s)	1.92	56.69	2.10
Top Width (m)	39.61	Top Width (m)	5.59	26.00	8.02
Vel Total (m/s)	2.42	Avg. Vel. (m/s)	1.25	2.62	1.12
Max Chl Dpth (m)	1.08	Hydr. Depth (m)	0.28	0.83	0.23
Conv. Total (m3/s)	683.7	Conv. (m3/s)	21.6	638.4	23.7
Length Wtd. (m)	109.13	Wetted Per. (m)	5.61	26.03	8.04
Min Ch El (m)	814.86	Shear (N/m2)	21.16	64.32	18.04
Alpha	1.11	Stream Power (N/m s)	26.40	168.40	20.24
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	0.65	22.20	0.77
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.27	24.62	2.79

Plan: Plan 02 TributarioArroyo 1 RS: 1169.948 Profile: T=50

E.G. Elev (m)	816.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.06	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	816.06	Flow Area (m2)	2.28	24.77	2.88
E.G. Slope (m/m)	0.007592	Area (m2)	2.28	24.77	2.88
Q Total (m3/s)	76.79	Flow (m3/s)	3.18	69.61	4.00
Top Width (m)	41.46	Top Width (m)	6.78	26.00	8.67
Vel Total (m/s)	2.57	Avg. Vel. (m/s)	1.40	2.81	1.39
Max Chl Dpth (m)	1.20	Hydr. Depth (m)	0.34	0.95	0.33
Conv. Total (m3/s)	881.3	Conv. (m3/s)	36.5	798.9	45.9
Length Wtd. (m)	109.21	Wetted Per. (m)	6.82	26.03	8.70
Min Ch El (m)	814.86	Shear (N/m2)	24.86	70.86	24.63
Alpha	1.11	Stream Power (N/m s)	34.74	199.12	34.21
Frctn Loss (m)	0.95	Cum Volume (1000 m3)	0.93	25.94	1.14
C & E Loss (m)	0.01	Cum SA (1000 m2)	2.98	24.94	3.44

Plan: Plan 02 TributarioArroyo 1 RS: 1169.948 Profile: T=100

E.G. Elev (m)	816.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.41	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.20	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	816.20	Flow Area (m2)	3.32	28.39	4.14
E.G. Slope (m/m)	0.007153	Area (m2)	3.32	28.39	4.14
Q Total (m3/s)	96.61	Flow (m3/s)	5.10	84.79	6.71
Top Width (m)	43.64	Top Width (m)	8.21	26.00	9.43
Vel Total (m/s)	2.70	Avg. Vel. (m/s)	1.54	2.99	1.62
Max Chl Dpth (m)	1.34	Hydr. Depth (m)	0.40	1.09	0.44
Conv. Total (m3/s)	1142.3	Conv. (m3/s)	60.3	1002.6	79.4
Length Wtd. (m)	109.31	Wetted Per. (m)	8.25	26.03	9.46
Min Ch El (m)	814.86	Shear (N/m2)	28.22	76.50	30.65
Alpha	1.12	Stream Power (N/m s)	43.35	228.51	49.76
Frctn Loss (m)	0.78	Cum Volume (1000 m3)	1.59	30.42	1.89
C & E Loss (m)	0.01	Cum SA (1000 m2)	4.13	25.10	4.45

Plan: Plan 02 TributarioArroyo 1 RS: 1169.948 Profile: T=500

E.G. Elev (m)	817.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.51	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	816.51	Flow Area (m2)	6.28	36.45	7.28
E.G. Slope (m/m)	0.006668	Area (m2)	6.28	36.45	7.28
Q Total (m3/s)	151.40	Flow (m3/s)	12.00	124.18	15.22

Plan: Plan 02 TributarioArroyo 1 RS: 1169.948 Profile: T=500 (Continued)

Top Width (m)	47.37	Top Width (m)	10.61	26.00	10.75
Vel Total (m/s)	3.03	Avg. Vel. (m/s)	1.91	3.41	2.09
Max Chl Dpth (m)	1.65	Hydr. Depth (m)	0.59	1.40	0.68
Conv. Total (m3/s)	1854.1	Conv. (m3/s)	147.0	1520.8	186.3
Length Wtd. (m)	109.41	Wetted Per. (m)	10.68	26.03	10.83
Min Ch El (m)	814.86	Shear (N/m2)	38.47	91.57	43.97
Alpha	1.12	Stream Power (N/m s)	73.51	311.96	91.86
Frctn Loss (m)	0.74	Cum Volume (1000 m3)	3.42	40.58	3.87
C & E Loss (m)	0.01	Cum SA (1000 m2)	6.19	25.31	6.17

Plan: Plan 02 TributarioArroyo 1 RS: 1061.057 Profile: T=2

E.G. Elev (m)	813.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.10	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.10	Flow Area (m2)	0.49	7.79	0.34
E.G. Slope (m/m)	0.011098	Area (m2)	0.49	7.79	0.34
Q Total (m3/s)	14.43	Flow (m3/s)	0.42	13.78	0.24
Top Width (m)	29.48	Top Width (m)	4.00	21.76	3.72
Vel Total (m/s)	1.68	Avg. Vel. (m/s)	0.86	1.77	0.71
Max Chl Dpth (m)	0.58	Hydr. Depth (m)	0.12	0.36	0.09
Conv. Total (m3/s)	137.0	Conv. (m3/s)	4.0	130.8	2.2
Length Wtd. (m)	121.61	Wetted Per. (m)	4.01	21.79	3.72
Min Ch El (m)	812.52	Shear (N/m2)	13.18	38.91	9.80
Alpha	1.07	Stream Power (N/m s)	11.33	68.81	6.91
Frctn Loss (m)	1.46	Cum Volume (1000 m3)	0.03	6.94	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.23	16.94	0.26

Plan: Plan 02 TributarioArroyo 1 RS: 1061.057 Profile: T=5

E.G. Elev (m)	813.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.27	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.27	Flow Area (m2)	1.29	11.56	1.20
E.G. Slope (m/m)	0.010114	Area (m2)	1.29	11.56	1.20
Q Total (m3/s)	28.38	Flow (m3/s)	1.69	25.40	1.30
Top Width (m)	33.64	Top Width (m)	5.29	21.76	6.59
Vel Total (m/s)	2.02	Avg. Vel. (m/s)	1.31	2.20	1.08
Max Chl Dpth (m)	0.75	Hydr. Depth (m)	0.24	0.53	0.18
Conv. Total (m3/s)	282.2	Conv. (m3/s)	16.8	252.5	12.9
Length Wtd. (m)	121.75	Wetted Per. (m)	5.31	21.79	6.60
Min Ch El (m)	812.52	Shear (N/m2)	24.12	52.62	18.08
Alpha	1.10	Stream Power (N/m s)	31.49	115.61	19.49
Frctn Loss (m)	1.33	Cum Volume (1000 m3)	0.07	11.54	0.09
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.30	19.86	0.59

Plan: Plan 02 TributarioArroyo 1 RS: 1061.057 Profile: T=10

E.G. Elev (m)	813.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.42	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.42	Flow Area (m2)	2.37	14.82	2.28
E.G. Slope (m/m)	0.008550	Area (m2)	2.37	14.82	2.28
Q Total (m3/s)	41.73	Flow (m3/s)	3.25	35.33	3.15
Top Width (m)	37.33	Top Width (m)	7.96	21.76	7.62
Vel Total (m/s)	2.14	Avg. Vel. (m/s)	1.37	2.38	1.38
Max Chl Dpth (m)	0.90	Hydr. Depth (m)	0.30	0.68	0.30
Conv. Total (m3/s)	451.3	Conv. (m3/s)	35.1	382.1	34.1
Length Wtd. (m)	121.93	Wetted Per. (m)	7.99	21.79	7.64
Min Ch El (m)	812.52	Shear (N/m2)	24.87	57.03	25.08

Plan: Plan 02 TributarioArroyo 1 RS: 1061.057 Profile: T=10 (Continued)

Alpha	1.11	Stream Power (N/m s)	34.09	135.97	34.56
Frctn Loss (m)	1.17	Cum Volume (1000 m3)	0.16	15.27	0.20
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.84	20.99	0.86

Plan: Plan 02 TributarioArroyo 1 RS: 1061.057 Profile: T=25

E.G. Elev (m)	813.90	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.58	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.58	Flow Area (m2)	3.72	18.30	3.57
E.G. Slope (m/m)	0.007994	Area (m2)	3.72	18.30	3.57
Q Total (m3/s)	60.71	Flow (m3/s)	6.17	48.57	5.97
Top Width (m)	39.15	Top Width (m)	8.93	21.76	8.46
Vel Total (m/s)	2.37	Avg. Vel. (m/s)	1.66	2.65	1.67
Max Chl Dpth (m)	1.06	Hydr. Depth (m)	0.42	0.84	0.42
Conv. Total (m3/s)	679.0	Conv. (m3/s)	69.0	543.2	66.8
Length Wtd. (m)	122.05	Wetted Per. (m)	8.97	21.79	8.49
Min Ch El (m)	812.52	Shear (N/m2)	32.52	65.86	32.95
Alpha	1.10	Stream Power (N/m s)	53.90	174.77	55.11
Frctn Loss (m)	1.08	Cum Volume (1000 m3)	0.39	20.03	0.43
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.56	22.02	1.77

Plan: Plan 02 TributarioArroyo 1 RS: 1061.057 Profile: T=50

E.G. Elev (m)	814.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.64	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.64	Flow Area (m2)	4.19	19.43	4.01
E.G. Slope (m/m)	0.010163	Area (m2)	4.19	19.43	4.01
Q Total (m3/s)	76.79	Flow (m3/s)	8.29	60.49	8.01
Top Width (m)	39.73	Top Width (m)	9.24	21.76	8.73
Vel Total (m/s)	2.78	Avg. Vel. (m/s)	1.98	3.11	2.00
Max Chl Dpth (m)	1.12	Hydr. Depth (m)	0.45	0.89	0.46
Conv. Total (m3/s)	761.7	Conv. (m3/s)	82.2	600.0	79.5
Length Wtd. (m)	122.08	Wetted Per. (m)	9.29	21.79	8.77
Min Ch El (m)	812.52	Shear (N/m2)	44.97	88.88	45.62
Alpha	1.10	Stream Power (N/m s)	88.89	276.72	91.05
Frctn Loss (m)	1.18	Cum Volume (1000 m3)	0.62	23.53	0.71
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.20	22.34	2.36

Plan: Plan 02 TributarioArroyo 1 RS: 1061.057 Profile: T=100

E.G. Elev (m)	814.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.85	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.85	Flow Area (m2)	6.73	24.03	6.31
E.G. Slope (m/m)	0.007202	Area (m2)	6.73	24.03	6.31
Q Total (m3/s)	96.61	Flow (m3/s)	12.17	72.56	11.87
Top Width (m)	46.42	Top Width (m)	13.12	21.76	11.54
Vel Total (m/s)	2.61	Avg. Vel. (m/s)	1.81	3.02	1.88
Max Chl Dpth (m)	1.33	Hydr. Depth (m)	0.51	1.10	0.55
Conv. Total (m3/s)	1138.4	Conv. (m3/s)	143.4	855.0	139.9
Length Wtd. (m)	122.18	Wetted Per. (m)	13.18	21.79	11.61
Min Ch El (m)	812.52	Shear (N/m2)	36.08	77.90	38.35
Alpha	1.13	Stream Power (N/m s)	65.22	235.24	72.22
Frctn Loss (m)	0.96	Cum Volume (1000 m3)	1.10	27.57	1.24
C & E Loss (m)	0.01	Cum SA (1000 m2)	3.09	22.50	3.15

Plan: Plan 02 TributarioArroyo 1 RS: 1061.057 Profile: T=500

E.G. Elev (m)	814.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.50	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	814.13	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	814.13	Flow Area (m2)	10.70	30.24	9.75
E.G. Slope (m/m)	0.006950	Area (m2)	10.70	30.24	9.75
Q Total (m3/s)	151.40	Flow (m3/s)	24.10	104.57	22.74
Top Width (m)	48.90	Top Width (m)	14.58	21.76	12.56
Vel Total (m/s)	2.99	Avg. Vel. (m/s)	2.25	3.46	2.33
Max Chl Dpth (m)	1.61	Hydr. Depth (m)	0.73	1.39	0.78
Conv. Total (m3/s)	1816.1	Conv. (m3/s)	289.0	1254.3	272.7
Length Wtd. (m)	122.33	Wetted Per. (m)	14.67	21.79	12.67
Min Ch El (m)	812.52	Shear (N/m2)	49.72	94.60	52.42
Alpha	1.11	Stream Power (N/m s)	111.95	327.11	122.30
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	2.59	36.95	2.81
C & E Loss (m)	0.01	Cum SA (1000 m2)	4.97	22.71	4.73

Plan: Plan 02 TributarioArroyo 1 RS: 939.4781 Profile: T=2

E.G. Elev (m)	810.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	810.04	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.04	Flow Area (m2)		7.89	
E.G. Slope (m/m)	0.013049	Area (m2)		7.89	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	23.66	Top Width (m)		23.66	
Vel Total (m/s)	1.83	Avg. Vel. (m/s)		1.83	
Max Chl Dpth (m)	0.56	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	126.3	Conv. (m3/s)		126.3	
Length Wtd. (m)	142.89	Wetted Per. (m)		23.71	
Min Ch El (m)	809.48	Shear (N/m2)		42.59	
Alpha	1.00	Stream Power (N/m s)		77.88	
Frctn Loss (m)	1.83	Cum Volume (1000 m3)		5.99	
C & E Loss (m)	0.00	Cum SA (1000 m2)		14.18	

Plan: Plan 02 TributarioArroyo 1 RS: 939.4781 Profile: T=5

E.G. Elev (m)	810.48	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.		0.030	
W.S. Elev (m)	810.24	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.24	Flow Area (m2)		13.13	
E.G. Slope (m/m)	0.011757	Area (m2)		13.13	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	28.28	Top Width (m)		28.28	
Vel Total (m/s)	2.16	Avg. Vel. (m/s)		2.16	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.46	
Conv. Total (m3/s)	261.7	Conv. (m3/s)		261.7	
Length Wtd. (m)	142.89	Wetted Per. (m)		28.37	
Min Ch El (m)	809.48	Shear (N/m2)		53.35	
Alpha	1.00	Stream Power (N/m s)		115.34	
Frctn Loss (m)	1.64	Cum Volume (1000 m3)	0.00	10.04	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.00	16.82	0.13

Plan: Plan 02 TributarioArroyo 1 RS: 939.4781 Profile: T=10

E.G. Elev (m)	810.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	
W.S. Elev (m)	810.38	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.38	Flow Area (m2)		17.28	
E.G. Slope (m/m)	0.010774	Area (m2)		17.28	
Q Total (m3/s)	41.73	Flow (m3/s)		41.73	

Plan: Plan 02 TributarioArroyo 1 RS: 939.4781 Profile: T=10 (Continued)

Top Width (m)	29.52	Top Width (m)		29.52	
Vel Total (m/s)	2.41	Avg. Vel. (m/s)		2.41	
Max Chl Dpth (m)	0.90	Hydr. Depth (m)		0.59	
Conv. Total (m3/s)	402.0	Conv. (m3/s)		402.0	
Length Wtd. (m)	142.91	Wetted Per. (m)		29.65	
Min Ch El (m)	809.48	Shear (N/m2)		61.59	
Alpha	1.00	Stream Power (N/m s)		148.72	
Frctn Loss (m)	1.47	Cum Volume (1000 m3)	0.03	13.32	0.04
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.38	17.87	0.34

Plan: Plan 02 TributarioArroyo 1 RS: 939.4781 Profile: T=25

E.G. Elev (m)	810.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	810.56	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.56	Flow Area (m2)		22.49	0.04
E.G. Slope (m/m)	0.009904	Area (m2)		22.49	0.04
Q Total (m3/s)	60.71	Flow (m3/s)		60.68	0.03
Top Width (m)	31.01	Top Width (m)		30.50	0.50
Vel Total (m/s)	2.69	Avg. Vel. (m/s)		2.70	0.61
Max Chl Dpth (m)	1.08	Hydr. Depth (m)		0.74	0.08
Conv. Total (m3/s)	610.0	Conv. (m3/s)		609.8	0.3
Length Wtd. (m)	143.01	Wetted Per. (m)		30.64	0.53
Min Ch El (m)	809.48	Shear (N/m2)		71.27	7.71
Alpha	1.00	Stream Power (N/m s)		192.34	4.72
Frctn Loss (m)	1.32	Cum Volume (1000 m3)	0.18	17.55	0.18
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.05	18.84	1.15

Plan: Plan 02 TributarioArroyo 1 RS: 939.4781 Profile: T=50

E.G. Elev (m)	811.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	810.69	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.69	Flow Area (m2)	0.03	26.55	0.13
E.G. Slope (m/m)	0.009182	Area (m2)	0.03	26.55	0.13
Q Total (m3/s)	76.79	Flow (m3/s)	0.01	76.66	0.12
Top Width (m)	32.42	Top Width (m)	0.78	30.74	0.90
Vel Total (m/s)	2.87	Avg. Vel. (m/s)	0.40	2.89	0.87
Max Chl Dpth (m)	1.21	Hydr. Depth (m)	0.04	0.86	0.15
Conv. Total (m3/s)	801.4	Conv. (m3/s)	0.1	800.0	1.2
Length Wtd. (m)	143.10	Wetted Per. (m)	0.79	30.88	0.95
Min Ch El (m)	809.48	Shear (N/m2)	4.01	77.40	12.80
Alpha	1.01	Stream Power (N/m s)	1.61	223.49	11.13
Frctn Loss (m)	1.23	Cum Volume (1000 m3)	0.38	20.74	0.43
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.63	19.14	1.69

Plan: Plan 02 TributarioArroyo 1 RS: 939.4781 Profile: T=100

E.G. Elev (m)	811.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.49	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	810.83	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.83	Flow Area (m2)	0.24	30.99	0.30
E.G. Slope (m/m)	0.008619	Area (m2)	0.24	30.99	0.30
Q Total (m3/s)	96.61	Flow (m3/s)	0.18	96.12	0.31
Top Width (m)	34.19	Top Width (m)	2.02	30.74	1.43
Vel Total (m/s)	3.06	Avg. Vel. (m/s)	0.74	3.10	1.05
Max Chl Dpth (m)	1.35	Hydr. Depth (m)	0.12	1.01	0.21
Conv. Total (m3/s)	1040.6	Conv. (m3/s)	1.9	1035.4	3.4
Length Wtd. (m)	143.22	Wetted Per. (m)	2.03	30.88	1.50
Min Ch El (m)	809.48	Shear (N/m2)	9.91	84.81	16.71

Plan: Plan 02 TributarioArroyo 1 RS: 939.4781 Profile: T=100 (Continued)

Alpha	1.02	Stream Power (N/m s)	7.35	263.05	17.56
Frctn Loss (m)	1.14	Cum Volume (1000 m3)	0.70	24.22	0.78
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.22	19.31	2.25

Plan: Plan 02 TributarioArroyo 1 RS: 939.4781 Profile: T=500

E.G. Elev (m)	811.81	Element	Left OB	Channel	Right OB
Vel Head (m)	0.62	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	811.20	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	811.20	Flow Area (m2)	1.28	42.08	1.25
E.G. Slope (m/m)	0.007356	Area (m2)	1.28	42.08	1.25
Q Total (m3/s)	151.40	Flow (m3/s)	1.77	147.87	1.76
Top Width (m)	38.01	Top Width (m)	3.74	30.74	3.53
Vel Total (m/s)	3.39	Avg. Vel. (m/s)	1.38	3.51	1.41
Max Chl Dpth (m)	1.72	Hydr. Depth (m)	0.34	1.37	0.36
Conv. Total (m3/s)	1765.2	Conv. (m3/s)	20.6	1724.0	20.6
Length Wtd. (m)	143.35	Wetted Per. (m)	3.79	30.88	3.64
Min Ch El (m)	809.48	Shear (N/m2)	24.32	98.29	24.87
Alpha	1.05	Stream Power (N/m s)	33.68	345.37	34.97
Frctn Loss (m)	1.01	Cum Volume (1000 m3)	1.91	32.55	2.05
C & E Loss (m)	0.00	Cum SA (1000 m2)	3.92	19.52	3.61

Plan: Plan 02 TributarioArroyo 1 RS: 796.5930 Profile: T=2

E.G. Elev (m)	806.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	806.44	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.44	Flow Area (m2)		7.57	
E.G. Slope (m/m)	0.012630	Area (m2)		7.57	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	20.82	Top Width (m)		20.82	
Vel Total (m/s)	1.91	Avg. Vel. (m/s)		1.91	
Max Chl Dpth (m)	0.52	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	128.4	Conv. (m3/s)		128.4	
Length Wtd. (m)	106.24	Wetted Per. (m)		20.87	
Min Ch El (m)	805.92	Shear (N/m2)		44.94	
Alpha	1.00	Stream Power (N/m s)		85.66	
Frctn Loss (m)	1.36	Cum Volume (1000 m3)		4.89	
C & E Loss (m)	0.01	Cum SA (1000 m2)		11.00	

Plan: Plan 02 TributarioArroyo 1 RS: 796.5930 Profile: T=5

E.G. Elev (m)	806.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	806.66	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.66	Flow Area (m2)		12.43	
E.G. Slope (m/m)	0.011153	Area (m2)		12.43	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	23.71	Top Width (m)		23.71	
Vel Total (m/s)	2.28	Avg. Vel. (m/s)		2.28	
Max Chl Dpth (m)	0.74	Hydr. Depth (m)		0.52	
Conv. Total (m3/s)	268.7	Conv. (m3/s)		268.7	
Length Wtd. (m)	106.24	Wetted Per. (m)		23.79	
Min Ch El (m)	805.92	Shear (N/m2)		57.14	
Alpha	1.00	Stream Power (N/m s)		130.47	
Frctn Loss (m)	1.20	Cum Volume (1000 m3)	0.00	8.21	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.00	13.11	0.13

Plan: Plan 02 TributarioArroyo 1 RS: 796.5930 Profile: T=10

E.G. Elev (m)	807.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	806.82	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.82	Flow Area (m2)	0.19	16.47	
E.G. Slope (m/m)	0.009888	Area (m2)	0.19	16.47	
Q Total (m3/s)	41.73	Flow (m3/s)	0.11	41.62	
Top Width (m)	27.15	Top Width (m)	2.53	24.62	
Vel Total (m/s)	2.51	Avg. Vel. (m/s)	0.58	2.53	
Max Chl Dpth (m)	0.90	Hydr. Depth (m)	0.07	0.67	
Conv. Total (m3/s)	419.7	Conv. (m3/s)	1.1	418.6	
Length Wtd. (m)	106.24	Wetted Per. (m)	2.53	24.72	
Min Ch El (m)	805.92	Shear (N/m2)	7.19	64.58	
Alpha	1.02	Stream Power (N/m s)	4.20	163.23	
Frctn Loss (m)	1.06	Cum Volume (1000 m3)	0.01	10.91	0.04
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.18	14.00	0.34

Plan: Plan 02 TributarioArroyo 1 RS: 796.5930 Profile: T=25

E.G. Elev (m)	807.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	807.03	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.03	Flow Area (m2)	1.04	21.63	
E.G. Slope (m/m)	0.008590	Area (m2)	1.04	21.63	
Q Total (m3/s)	60.71	Flow (m3/s)	1.02	59.69	
Top Width (m)	31.35	Top Width (m)	5.84	25.50	
Vel Total (m/s)	2.68	Avg. Vel. (m/s)	0.98	2.76	
Max Chl Dpth (m)	1.11	Hydr. Depth (m)	0.18	0.85	
Conv. Total (m3/s)	655.0	Conv. (m3/s)	11.0	644.0	
Length Wtd. (m)	106.24	Wetted Per. (m)	5.85	25.63	
Min Ch El (m)	805.92	Shear (N/m2)	15.03	71.10	
Alpha	1.05	Stream Power (N/m s)	14.71	196.16	
Frctn Loss (m)	0.95	Cum Volume (1000 m3)	0.09	14.40	0.18
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.59	14.84	1.12

Plan: Plan 02 TributarioArroyo 1 RS: 796.5930 Profile: T=50

E.G. Elev (m)	807.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	807.17	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.17	Flow Area (m2)	1.98	25.25	0.02
E.G. Slope (m/m)	0.008066	Area (m2)	1.98	25.25	0.02
Q Total (m3/s)	76.79	Flow (m3/s)	2.45	74.33	0.01
Top Width (m)	33.56	Top Width (m)	7.46	25.76	0.34
Vel Total (m/s)	2.82	Avg. Vel. (m/s)	1.24	2.94	0.37
Max Chl Dpth (m)	1.25	Hydr. Depth (m)	0.27	0.98	0.04
Conv. Total (m3/s)	855.0	Conv. (m3/s)	27.3	827.7	0.1
Length Wtd. (m)	106.24	Wetted Per. (m)	7.48	25.89	0.35
Min Ch El (m)	805.92	Shear (N/m2)	20.98	77.13	3.43
Alpha	1.06	Stream Power (N/m s)	25.94	227.06	1.27
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	0.22	17.04	0.42
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.98	15.11	1.62

Plan: Plan 02 TributarioArroyo 1 RS: 796.5930 Profile: T=100

E.G. Elev (m)	807.81	Element	Left OB	Channel	Right OB
Vel Head (m)	0.48	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	807.33	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.33	Flow Area (m2)	3.29	29.39	0.11
E.G. Slope (m/m)	0.007388	Area (m2)	3.29	29.39	0.11
Q Total (m3/s)	96.61	Flow (m3/s)	4.93	91.60	0.08

Plan: Plan 02 TributarioArroyo 1 RS: 796.5930 Profile: T=100 (Continued)

Top Width (m)	35.27	Top Width (m)	8.68	25.76	0.83
Vel Total (m/s)	2.95	Avg. Vel. (m/s)	1.50	3.12	0.72
Max Chl Dpth (m)	1.41	Hydr. Depth (m)	0.38	1.14	0.13
Conv. Total (m3/s)	1124.0	Conv. (m3/s)	57.4	1065.7	0.9
Length Wtd. (m)	106.24	Wetted Per. (m)	8.71	25.89	0.87
Min Ch El (m)	805.92	Shear (N/m2)	27.40	82.22	9.09
Alpha	1.07	Stream Power (N/m s)	41.05	256.29	6.53
Frctn Loss (m)	0.79	Cum Volume (1000 m3)	0.43	19.91	0.76
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.38	15.27	2.12

Plan: Plan 02 TributarioArroyo 1 RS: 796.5930 Profile: T=500

E.G. Elev (m)	808.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.61	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	807.69	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.69	Flow Area (m2)	6.92	38.61	0.60
E.G. Slope (m/m)	0.006741	Area (m2)	6.92	38.61	0.60
Q Total (m3/s)	151.40	Flow (m3/s)	12.77	137.90	0.74
Top Width (m)	40.13	Top Width (m)	12.44	25.76	1.93
Vel Total (m/s)	3.28	Avg. Vel. (m/s)	1.85	3.57	1.22
Max Chl Dpth (m)	1.77	Hydr. Depth (m)	0.56	1.50	0.31
Conv. Total (m3/s)	1844.0	Conv. (m3/s)	155.5	1679.6	9.0
Length Wtd. (m)	106.24	Wetted Per. (m)	12.49	25.89	2.02
Min Ch El (m)	805.92	Shear (N/m2)	36.61	98.56	19.69
Alpha	1.11	Stream Power (N/m s)	67.56	352.05	24.04
Frctn Loss (m)	0.71	Cum Volume (1000 m3)	1.26	26.79	1.95
C & E Loss (m)	0.02	Cum SA (1000 m2)	2.64	15.48	3.31

Plan: Plan 02 TributarioArroyo 1 RS: 690.3525 Profile: T=2

E.G. Elev (m)	803.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	803.09	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.09	Flow Area (m2)		7.98	
E.G. Slope (m/m)	0.012961	Area (m2)		7.98	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	24.18	Top Width (m)		24.18	
Vel Total (m/s)	1.81	Avg. Vel. (m/s)		1.81	
Max Chl Dpth (m)	0.58	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	126.7	Conv. (m3/s)		126.7	
Length Wtd. (m)	78.37	Wetted Per. (m)		24.23	
Min Ch El (m)	802.51	Shear (N/m2)		41.84	
Alpha	1.00	Stream Power (N/m s)		75.69	
Frctn Loss (m)	1.00	Cum Volume (1000 m3)		4.06	
C & E Loss (m)	0.00	Cum SA (1000 m2)		8.61	

Plan: Plan 02 TributarioArroyo 1 RS: 690.3525 Profile: T=5

E.G. Elev (m)	803.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	803.28	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.28	Flow Area (m2)		12.99	0.03
E.G. Slope (m/m)	0.011453	Area (m2)		12.99	0.03
Q Total (m3/s)	28.38	Flow (m3/s)		28.37	0.01
Top Width (m)	27.82	Top Width (m)		27.03	0.79
Vel Total (m/s)	2.18	Avg. Vel. (m/s)		2.18	0.39
Max Chl Dpth (m)	0.77	Hydr. Depth (m)		0.48	0.04
Conv. Total (m3/s)	265.2	Conv. (m3/s)		265.1	0.1
Length Wtd. (m)	78.38	Wetted Per. (m)		27.11	0.79
Min Ch El (m)	802.51	Shear (N/m2)		53.81	3.98

Plan: Plan 02 TributarioArroyo 1 RS: 690.3525 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		117.54	1.53
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	0.00	6.86	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.00	10.41	0.09

Plan: Plan 02 TributarioArroyo 1 RS: 690.3525 Profile: T=10

E.G. Elev (m)	803.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	803.43	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.43	Flow Area (m2)		17.14	0.27
E.G. Slope (m/m)	0.010151	Area (m2)		17.14	0.27
Q Total (m3/s)	41.73	Flow (m3/s)		41.51	0.22
Top Width (m)	30.21	Top Width (m)		27.90	2.31
Vel Total (m/s)	2.40	Avg. Vel. (m/s)		2.42	0.80
Max Chl Dpth (m)	0.92	Hydr. Depth (m)		0.61	0.12
Conv. Total (m3/s)	414.2	Conv. (m3/s)		412.0	2.2
Length Wtd. (m)	78.46	Wetted Per. (m)		27.98	2.32
Min Ch El (m)	802.51	Shear (N/m2)		60.97	11.62
Alpha	1.02	Stream Power (N/m s)		147.68	9.32
Frctn Loss (m)	0.78	Cum Volume (1000 m3)	0.00	9.12	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.05	11.21	0.21

Plan: Plan 02 TributarioArroyo 1 RS: 690.3525 Profile: T=25

E.G. Elev (m)	803.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.61	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.61	Flow Area (m2)	0.06	22.15	0.79
E.G. Slope (m/m)	0.009227	Area (m2)	0.06	22.15	0.79
Q Total (m3/s)	60.71	Flow (m3/s)	0.03	59.76	0.92
Top Width (m)	33.22	Top Width (m)	1.06	28.54	3.62
Vel Total (m/s)	2.64	Avg. Vel. (m/s)	0.46	2.70	1.16
Max Chl Dpth (m)	1.10	Hydr. Depth (m)	0.05	0.78	0.22
Conv. Total (m3/s)	632.0	Conv. (m3/s)	0.3	622.2	9.6
Length Wtd. (m)	78.61	Wetted Per. (m)	1.06	28.63	3.64
Min Ch El (m)	802.51	Shear (N/m2)	4.88	70.00	19.73
Alpha	1.03	Stream Power (N/m s)	2.23	188.88	22.89
Frctn Loss (m)	0.71	Cum Volume (1000 m3)	0.04	12.07	0.14
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.22	11.97	0.93

Plan: Plan 02 TributarioArroyo 1 RS: 690.3525 Profile: T=50

E.G. Elev (m)	804.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.41	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.75	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.75	Flow Area (m2)	0.32	26.16	1.43
E.G. Slope (m/m)	0.008310	Area (m2)	0.32	26.16	1.43
Q Total (m3/s)	76.79	Flow (m3/s)	0.23	74.86	1.70
Top Width (m)	37.20	Top Width (m)	2.88	28.54	5.78
Vel Total (m/s)	2.75	Avg. Vel. (m/s)	0.71	2.86	1.19
Max Chl Dpth (m)	1.24	Hydr. Depth (m)	0.11	0.92	0.25
Conv. Total (m3/s)	842.4	Conv. (m3/s)	2.5	821.2	18.6
Length Wtd. (m)	78.71	Wetted Per. (m)	2.89	28.63	5.81
Min Ch El (m)	802.51	Shear (N/m2)	9.16	74.47	20.00
Alpha	1.06	Stream Power (N/m s)	6.48	213.09	23.82
Frctn Loss (m)	0.65	Cum Volume (1000 m3)	0.09	14.31	0.34
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.43	12.22	1.29

Plan: Plan 02 TributarioArroyo 1 RS: 690.3525 Profile: T=100

E.G. Elev (m)	804.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.45	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.90	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.90	Flow Area (m2)	0.91	30.56	2.47
E.G. Slope (m/m)	0.007540	Area (m2)	0.91	30.56	2.47
Q Total (m3/s)	96.61	Flow (m3/s)	0.89	92.37	3.34
Top Width (m)	40.76	Top Width (m)	4.54	28.54	7.68
Vel Total (m/s)	2.85	Avg. Vel. (m/s)	0.99	3.02	1.35
Max Chl Dpth (m)	1.39	Hydr. Depth (m)	0.20	1.07	0.32
Conv. Total (m3/s)	1112.6	Conv. (m3/s)	10.3	1063.8	38.5
Length Wtd. (m)	78.85	Wetted Per. (m)	4.56	28.63	7.72
Min Ch El (m)	802.51	Shear (N/m2)	14.71	78.92	23.66
Alpha	1.09	Stream Power (N/m s)	14.51	238.59	32.03
Frctn Loss (m)	0.60	Cum Volume (1000 m3)	0.20	16.73	0.62
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.68	12.38	1.66

Plan: Plan 02 TributarioArroyo 1 RS: 690.3525 Profile: T=500

E.G. Elev (m)	804.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	804.25	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	804.25	Flow Area (m2)	2.92	40.43	5.74
E.G. Slope (m/m)	0.006534	Area (m2)	2.92	40.43	5.74
Q Total (m3/s)	151.40	Flow (m3/s)	4.45	137.10	9.85
Top Width (m)	46.60	Top Width (m)	6.81	28.54	11.25
Vel Total (m/s)	3.08	Avg. Vel. (m/s)	1.52	3.39	1.72
Max Chl Dpth (m)	1.74	Hydr. Depth (m)	0.43	1.42	0.51
Conv. Total (m3/s)	1873.0	Conv. (m3/s)	55.0	1696.0	121.9
Length Wtd. (m)	79.14	Wetted Per. (m)	6.85	28.63	11.30
Min Ch El (m)	802.51	Shear (N/m2)	27.28	90.48	32.56
Alpha	1.12	Stream Power (N/m s)	41.60	306.84	55.86
Frctn Loss (m)	0.52	Cum Volume (1000 m3)	0.75	22.59	1.60
C & E Loss (m)	0.02	Cum SA (1000 m2)	1.63	12.60	2.60

Plan: Plan 02 TributarioArroyo 1 RS: 611.9851 Profile: T=2

E.G. Elev (m)	799.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	799.47	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.47	Flow Area (m2)		7.52	
E.G. Slope (m/m)	0.012686	Area (m2)		7.52	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	20.50	Top Width (m)		20.50	
Vel Total (m/s)	1.92	Avg. Vel. (m/s)		1.92	
Max Chl Dpth (m)	0.63	Hydr. Depth (m)		0.37	
Conv. Total (m3/s)	128.1	Conv. (m3/s)		128.1	
Length Wtd. (m)	90.88	Wetted Per. (m)		20.58	
Min Ch El (m)	798.84	Shear (N/m2)		45.45	
Alpha	1.00	Stream Power (N/m s)		87.21	
Frctn Loss (m)	1.12	Cum Volume (1000 m3)		3.45	
C & E Loss (m)	0.01	Cum SA (1000 m2)		6.86	

Plan: Plan 02 TributarioArroyo 1 RS: 611.9851 Profile: T=5

E.G. Elev (m)	799.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.000	0.030	0.030
W.S. Elev (m)	799.69	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.69	Flow Area (m2)	0.00	12.20	0.05
E.G. Slope (m/m)	0.010738	Area (m2)	0.00	12.20	0.05
Q Total (m3/s)	28.38	Flow (m3/s)	0.00	28.35	0.03

Plan: Plan 02 TributarioArroyo 1 RS: 611.9851 Profile: T=5 (Continued)

Top Width (m)	22.58	Top Width (m)	0.02	22.00	0.56
Vel Total (m/s)	2.32	Avg. Vel. (m/s)	0.08	2.32	0.64
Max Chl Dpth (m)	0.85	Hydr. Depth (m)	0.00	0.55	0.08
Conv. Total (m3/s)	273.9	Conv. (m3/s)	0.0	273.6	0.3
Length Wtd. (m)	90.87	Wetted Per. (m)	0.02	22.12	0.58
Min Ch El (m)	798.84	Shear (N/m2)		58.09	8.45
Alpha	1.00	Stream Power (N/m s)		134.97	5.43
Frctn Loss (m)	0.98	Cum Volume (1000 m3)	0.00	5.87	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.00	8.49	0.02

Plan: Plan 02 TributarioArroyo 1 RS: 611.9851 Profile: T=10

E.G. Elev (m)	800.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	799.85	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.85	Flow Area (m2)	0.04	15.84	0.18
E.G. Slope (m/m)	0.009663	Area (m2)	0.04	15.84	0.18
Q Total (m3/s)	41.73	Flow (m3/s)	0.02	41.53	0.18
Top Width (m)	23.52	Top Width (m)	0.41	22.00	1.11
Vel Total (m/s)	2.60	Avg. Vel. (m/s)	0.61	2.62	0.96
Max Chl Dpth (m)	1.01	Hydr. Depth (m)	0.09	0.72	0.17
Conv. Total (m3/s)	424.5	Conv. (m3/s)	0.2	422.5	1.8
Length Wtd. (m)	90.86	Wetted Per. (m)	0.44	22.12	1.16
Min Ch El (m)	798.84	Shear (N/m2)	7.53	67.85	15.10
Alpha	1.01	Stream Power (N/m s)	4.56	177.95	14.55
Frctn Loss (m)	0.90	Cum Volume (1000 m3)	0.00	7.83	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.04	9.26	0.04

Plan: Plan 02 TributarioArroyo 1 RS: 611.9851 Profile: T=25

E.G. Elev (m)	800.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.44	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.05	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.05	Flow Area (m2)	0.16	20.24	0.47
E.G. Slope (m/m)	0.008886	Area (m2)	0.16	20.24	0.47
Q Total (m3/s)	60.71	Flow (m3/s)	0.16	59.95	0.60
Top Width (m)	24.65	Top Width (m)	0.88	22.00	1.78
Vel Total (m/s)	2.91	Avg. Vel. (m/s)	0.97	2.96	1.26
Max Chl Dpth (m)	1.21	Hydr. Depth (m)	0.19	0.92	0.27
Conv. Total (m3/s)	644.0	Conv. (m3/s)	1.7	636.0	6.4
Length Wtd. (m)	90.79	Wetted Per. (m)	0.95	22.12	1.85
Min Ch El (m)	798.84	Shear (N/m2)	14.95	79.75	22.24
Alpha	1.03	Stream Power (N/m s)	14.51	236.20	28.12
Frctn Loss (m)	0.79	Cum Volume (1000 m3)	0.03	10.41	0.07
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.16	9.99	0.66

Plan: Plan 02 TributarioArroyo 1 RS: 611.9851 Profile: T=50

E.G. Elev (m)	800.72	Element	Left OB	Channel	Right OB
Vel Head (m)	0.50	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.21	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.21	Flow Area (m2)	0.33	23.77	0.80
E.G. Slope (m/m)	0.008192	Area (m2)	0.33	23.77	0.80
Q Total (m3/s)	76.79	Flow (m3/s)	0.40	75.23	1.16
Top Width (m)	25.54	Top Width (m)	1.25	22.00	2.29
Vel Total (m/s)	3.08	Avg. Vel. (m/s)	1.18	3.17	1.45
Max Chl Dpth (m)	1.37	Hydr. Depth (m)	0.27	1.08	0.35
Conv. Total (m3/s)	848.4	Conv. (m3/s)	4.4	831.2	12.9
Length Wtd. (m)	90.69	Wetted Per. (m)	1.36	22.12	2.39
Min Ch El (m)	798.84	Shear (N/m2)	19.71	86.33	26.89

Plan: Plan 02 TributarioArroyo 1 RS: 611.9851 Profile: T=50 (Continued)

Alpha	1.04	Stream Power (N/m s)	23.31	273.25	39.11
Frctn Loss (m)	0.72	Cum Volume (1000 m3)	0.07	12.35	0.23
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.29	10.24	0.89

Plan: Plan 02 TributarioArroyo 1 RS: 611.9851 Profile: T=100

E.G. Elev (m)	800.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.57	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.39	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.39	Flow Area (m2)	0.60	27.76	1.27
E.G. Slope (m/m)	0.007577	Area (m2)	0.60	27.76	1.27
Q Total (m3/s)	96.61	Flow (m3/s)	0.83	93.70	2.08
Top Width (m)	26.53	Top Width (m)	1.68	22.00	2.84
Vel Total (m/s)	3.26	Avg. Vel. (m/s)	1.38	3.38	1.64
Max Chl Dpth (m)	1.55	Hydr. Depth (m)	0.36	1.26	0.44
Conv. Total (m3/s)	1109.9	Conv. (m3/s)	9.5	1076.5	23.8
Length Wtd. (m)	90.58	Wetted Per. (m)	1.83	22.12	2.98
Min Ch El (m)	798.84	Shear (N/m2)	24.43	93.25	31.58
Alpha	1.05	Stream Power (N/m s)	33.77	314.78	51.80
Frctn Loss (m)	0.67	Cum Volume (1000 m3)	0.15	14.44	0.44
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.47	10.40	1.14

Plan: Plan 02 TributarioArroyo 1 RS: 611.9851 Profile: T=500

E.G. Elev (m)	801.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.71	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.83	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.83	Flow Area (m2)	2.17	37.26	2.78
E.G. Slope (m/m)	0.006570	Area (m2)	2.17	37.26	2.78
Q Total (m3/s)	151.40	Flow (m3/s)	3.31	142.52	5.57
Top Width (m)	31.04	Top Width (m)	4.89	22.00	4.15
Vel Total (m/s)	3.59	Avg. Vel. (m/s)	1.53	3.83	2.00
Max Chl Dpth (m)	1.99	Hydr. Depth (m)	0.44	1.69	0.67
Conv. Total (m3/s)	1867.9	Conv. (m3/s)	40.8	1758.4	68.7
Length Wtd. (m)	90.35	Wetted Per. (m)	5.11	22.12	4.36
Min Ch El (m)	798.84	Shear (N/m2)	27.34	108.53	41.12
Alpha	1.09	Stream Power (N/m s)	41.72	415.17	82.37
Frctn Loss (m)	0.59	Cum Volume (1000 m3)	0.57	19.54	1.18
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.23	10.62	1.84

Plan: Plan 02 TributarioArroyo 1 RS: 521.1026 Profile: T=2

E.G. Elev (m)	794.38	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	
W.S. Elev (m)	794.08	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.08	Flow Area (m2)		5.95	
E.G. Slope (m/m)	0.012040	Area (m2)		5.95	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	10.18	Top Width (m)		10.18	
Vel Total (m/s)	2.42	Avg. Vel. (m/s)		2.42	
Max Chl Dpth (m)	1.40	Hydr. Depth (m)		0.58	
Conv. Total (m3/s)	131.5	Conv. (m3/s)		131.5	
Length Wtd. (m)	110.80	Wetted Per. (m)		11.04	
Min Ch El (m)	792.68	Shear (N/m2)		63.68	
Alpha	1.00	Stream Power (N/m s)		154.34	
Frctn Loss (m)	1.27	Cum Volume (1000 m3)		2.84	
C & E Loss (m)	0.00	Cum SA (1000 m2)		5.47	

Plan: Plan 02 TributarioArroyo 1 RS: 521.1026 Profile: T=5

E.G. Elev (m)	794.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	
W.S. Elev (m)	794.45	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.45	Flow Area (m2)		10.48	
E.G. Slope (m/m)	0.010882	Area (m2)		10.48	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	14.13	Top Width (m)		14.13	
Vel Total (m/s)	2.71	Avg. Vel. (m/s)		2.71	
Max Chl Dpth (m)	1.77	Hydr. Depth (m)		0.74	
Conv. Total (m3/s)	272.1	Conv. (m3/s)		272.1	
Length Wtd. (m)	110.80	Wetted Per. (m)		15.25	
Min Ch El (m)	792.68	Shear (N/m2)		73.35	
Alpha	1.00	Stream Power (N/m s)		198.65	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)		4.84	
C & E Loss (m)	0.00	Cum SA (1000 m2)		6.85	

Plan: Plan 02 TributarioArroyo 1 RS: 521.1026 Profile: T=10

E.G. Elev (m)	795.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	794.68	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.68	Flow Area (m2)	0.01	13.94	
E.G. Slope (m/m)	0.010267	Area (m2)	0.01	13.94	
Q Total (m3/s)	41.73	Flow (m3/s)	0.00	41.73	
Top Width (m)	15.69	Top Width (m)	0.16	15.54	
Vel Total (m/s)	2.99	Avg. Vel. (m/s)	0.38	2.99	
Max Chl Dpth (m)	2.00	Hydr. Depth (m)	0.04	0.90	
Conv. Total (m3/s)	411.8	Conv. (m3/s)	0.0	411.8	
Length Wtd. (m)	110.80	Wetted Per. (m)	0.18	16.70	
Min Ch El (m)	792.68	Shear (N/m2)	3.86	84.02	
Alpha	1.00	Stream Power (N/m s)	1.48	251.52	
Frctn Loss (m)	1.09	Cum Volume (1000 m3)	0.00	6.47	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.01	7.55	

Plan: Plan 02 TributarioArroyo 1 RS: 521.1026 Profile: T=25

E.G. Elev (m)	795.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	794.97	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.97	Flow Area (m2)	0.13	18.54	0.50
E.G. Slope (m/m)	0.008554	Area (m2)	0.13	18.54	0.50
Q Total (m3/s)	60.71	Flow (m3/s)	0.12	60.16	0.43
Top Width (m)	20.02	Top Width (m)	0.68	16.00	3.34
Vel Total (m/s)	3.17	Avg. Vel. (m/s)	0.93	3.24	0.87
Max Chl Dpth (m)	2.29	Hydr. Depth (m)	0.19	1.16	0.15
Conv. Total (m3/s)	656.4	Conv. (m3/s)	1.3	650.5	4.7
Length Wtd. (m)	110.76	Wetted Per. (m)	0.78	17.18	3.35
Min Ch El (m)	792.68	Shear (N/m2)	13.83	90.55	12.51
Alpha	1.04	Stream Power (N/m s)	12.82	293.74	10.85
Frctn Loss (m)	0.96	Cum Volume (1000 m3)	0.01	8.65	0.04
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.08	8.27	0.46

Plan: Plan 02 TributarioArroyo 1 RS: 521.1026 Profile: T=50

E.G. Elev (m)	795.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	795.18	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	795.18	Flow Area (m2)	0.31	21.87	1.32
E.G. Slope (m/m)	0.007609	Area (m2)	0.31	21.87	1.32
Q Total (m3/s)	76.79	Flow (m3/s)	0.36	74.70	1.73

Plan: Plan 02 TributarioArroyo 1 RS: 521.1026 Profile: T=50 (Continued)

Top Width (m)	21.37	Top Width (m)	1.05	16.00	4.31
Vel Total (m/s)	3.27	Avg. Vel. (m/s)	1.17	3.42	1.31
Max Chl Dpth (m)	2.50	Hydr. Depth (m)	0.29	1.37	0.31
Conv. Total (m3/s)	880.3	Conv. (m3/s)	4.1	856.3	19.8
Length Wtd. (m)	110.68	Wetted Per. (m)	1.21	17.18	4.35
Min Ch El (m)	792.68	Shear (N/m2)	19.08	95.00	22.61
Alpha	1.07	Stream Power (N/m s)	22.36	324.48	29.66
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	0.04	10.28	0.15
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.18	8.52	0.63

Plan: Plan 02 TributarioArroyo 1 RS: 521.1026 Profile: T=100

E.G. Elev (m)	796.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.66	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	795.38	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	795.38	Flow Area (m2)	0.56	25.08	2.24
E.G. Slope (m/m)	0.007321	Area (m2)	0.56	25.08	2.24
Q Total (m3/s)	96.61	Flow (m3/s)	0.78	92.06	3.77
Top Width (m)	22.27	Top Width (m)	1.42	16.00	4.85
Vel Total (m/s)	3.47	Avg. Vel. (m/s)	1.40	3.67	1.68
Max Chl Dpth (m)	2.70	Hydr. Depth (m)	0.39	1.57	0.46
Conv. Total (m3/s)	1129.1	Conv. (m3/s)	9.1	1076.0	44.1
Length Wtd. (m)	110.58	Wetted Per. (m)	1.62	17.18	4.93
Min Ch El (m)	792.68	Shear (N/m2)	24.66	104.81	32.59
Alpha	1.08	Stream Power (N/m s)	34.49	384.72	54.90
Frctn Loss (m)	0.82	Cum Volume (1000 m3)	0.10	12.04	0.30
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.32	8.68	0.84

Plan: Plan 02 TributarioArroyo 1 RS: 521.1026 Profile: T=500

E.G. Elev (m)	796.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.83	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	795.87	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	795.87	Flow Area (m2)	1.50	32.95	4.95
E.G. Slope (m/m)	0.006575	Area (m2)	1.50	32.95	4.95
Q Total (m3/s)	151.40	Flow (m3/s)	2.59	137.48	11.33
Top Width (m)	24.80	Top Width (m)	2.61	16.00	6.19
Vel Total (m/s)	3.84	Avg. Vel. (m/s)	1.73	4.17	2.29
Max Chl Dpth (m)	3.19	Hydr. Depth (m)	0.57	2.06	0.80
Conv. Total (m3/s)	1867.2	Conv. (m3/s)	31.9	1695.5	139.8
Length Wtd. (m)	110.31	Wetted Per. (m)	2.92	17.18	6.35
Min Ch El (m)	792.68	Shear (N/m2)	33.04	123.66	50.24
Alpha	1.10	Stream Power (N/m s)	57.20	515.97	115.00
Frctn Loss (m)	0.72	Cum Volume (1000 m3)	0.39	16.35	0.88
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.87	8.89	1.43

Plan: Plan 02 TributarioArroyo 1 RS: 410.3055 Profile: T=2

E.G. Elev (m)	780.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	
W.S. Elev (m)	780.64	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.64	Flow Area (m2)		5.99	
E.G. Slope (m/m)	0.010847	Area (m2)		5.99	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	10.15	Top Width (m)		10.15	
Vel Total (m/s)	2.41	Avg. Vel. (m/s)		2.41	
Max Chl Dpth (m)	1.05	Hydr. Depth (m)		0.59	
Conv. Total (m3/s)	138.5	Conv. (m3/s)		138.5	
Length Wtd. (m)	70.28	Wetted Per. (m)		10.38	
Min Ch El (m)	779.59	Shear (N/m2)		61.43	

Plan: Plan 02 TributarioArroyo 1 RS: 410.3055 Profile: T=2 (Continued)

Alpha	1.00	Stream Power (N/m s)		147.88	
Frctn Loss (m)	0.76	Cum Volume (1000 m3)		2.18	
C & E Loss (m)	0.01	Cum SA (1000 m2)		4.34	

Plan: Plan 02 TributarioArroyo 1 RS: 410.3055 Profile: T=5

E.G. Elev (m)	781.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.41	Wt. n-Val.		0.030	
W.S. Elev (m)	781.00	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.00	Flow Area (m2)		10.02	
E.G. Slope (m/m)	0.009811	Area (m2)		10.02	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	12.27	Top Width (m)		12.27	
Vel Total (m/s)	2.83	Avg. Vel. (m/s)		2.83	
Max Chl Dpth (m)	1.41	Hydr. Depth (m)		0.82	
Conv. Total (m3/s)	286.5	Conv. (m3/s)		286.5	
Length Wtd. (m)	70.28	Wetted Per. (m)		12.62	
Min Ch El (m)	779.59	Shear (N/m2)		76.42	
Alpha	1.00	Stream Power (N/m s)		216.39	
Frctn Loss (m)	0.69	Cum Volume (1000 m3)		3.71	
C & E Loss (m)	0.01	Cum SA (1000 m2)		5.38	

Plan: Plan 02 TributarioArroyo 1 RS: 410.3055 Profile: T=10

E.G. Elev (m)	781.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.50	Wt. n-Val.		0.030	
W.S. Elev (m)	781.25	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.25	Flow Area (m2)		13.38	
E.G. Slope (m/m)	0.009478	Area (m2)		13.38	
Q Total (m3/s)	41.73	Flow (m3/s)		41.73	
Top Width (m)	13.75	Top Width (m)		13.75	
Vel Total (m/s)	3.12	Avg. Vel. (m/s)		3.12	
Max Chl Dpth (m)	1.66	Hydr. Depth (m)		0.97	
Conv. Total (m3/s)	428.6	Conv. (m3/s)		428.6	
Length Wtd. (m)	70.28	Wetted Per. (m)		14.19	
Min Ch El (m)	779.59	Shear (N/m2)		87.60	
Alpha	1.00	Stream Power (N/m s)		273.29	
Frctn Loss (m)	0.67	Cum Volume (1000 m3)		4.96	
C & E Loss (m)	0.01	Cum SA (1000 m2)		5.93	

Plan: Plan 02 TributarioArroyo 1 RS: 410.3055 Profile: T=25

E.G. Elev (m)	782.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	781.57	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.57	Flow Area (m2)	0.07	18.04	
E.G. Slope (m/m)	0.008738	Area (m2)	0.07	18.04	
Q Total (m3/s)	60.71	Flow (m3/s)	0.06	60.65	
Top Width (m)	16.08	Top Width (m)	0.46	15.62	
Vel Total (m/s)	3.35	Avg. Vel. (m/s)	0.80	3.36	
Max Chl Dpth (m)	1.98	Hydr. Depth (m)	0.16	1.15	
Conv. Total (m3/s)	649.5	Conv. (m3/s)	0.6	648.9	
Length Wtd. (m)	70.28	Wetted Per. (m)	0.56	16.09	
Min Ch El (m)	779.59	Shear (N/m2)	11.09	96.04	
Alpha	1.01	Stream Power (N/m s)	8.84	322.90	
Frctn Loss (m)	0.63	Cum Volume (1000 m3)	0.00	6.62	0.01
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.02	6.51	0.30

Plan: Plan 02 TributarioArroyo 1 RS: 410.3055 Profile: T=50

E.G. Elev (m)	782.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.65	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	781.78	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.78	Flow Area (m2)	0.20	21.38	0.05
E.G. Slope (m/m)	0.008156	Area (m2)	0.20	21.38	0.05
Q Total (m3/s)	76.79	Flow (m3/s)	0.22	76.55	0.02
Top Width (m)	17.36	Top Width (m)	0.76	16.00	0.60
Vel Total (m/s)	3.55	Avg. Vel. (m/s)	1.08	3.58	0.53
Max Chl Dpth (m)	2.19	Hydr. Depth (m)	0.26	1.34	0.08
Conv. Total (m3/s)	850.3	Conv. (m3/s)	2.4	847.7	0.3
Length Wtd. (m)	70.28	Wetted Per. (m)	0.93	16.47	0.62
Min Ch El (m)	779.59	Shear (N/m2)	17.25	103.77	5.92
Alpha	1.01	Stream Power (N/m s)	18.67	371.61	3.14
Frctn Loss (m)	0.59	Cum Volume (1000 m3)	0.01	7.88	0.08
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.07	6.74	0.39

Plan: Plan 02 TributarioArroyo 1 RS: 410.3055 Profile: T=100

E.G. Elev (m)	782.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.74	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	782.02	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	782.02	Flow Area (m2)	0.42	25.09	0.29
E.G. Slope (m/m)	0.007483	Area (m2)	0.42	25.09	0.29
Q Total (m3/s)	96.61	Flow (m3/s)	0.55	95.78	0.27
Top Width (m)	18.61	Top Width (m)	1.10	16.00	1.51
Vel Total (m/s)	3.74	Avg. Vel. (m/s)	1.33	3.82	0.94
Max Chl Dpth (m)	2.43	Hydr. Depth (m)	0.38	1.57	0.19
Conv. Total (m3/s)	1116.8	Conv. (m3/s)	6.4	1107.3	3.2
Length Wtd. (m)	70.28	Wetted Per. (m)	1.34	16.47	1.56
Min Ch El (m)	779.59	Shear (N/m2)	22.86	111.77	13.69
Alpha	1.03	Stream Power (N/m s)	30.29	426.63	12.89
Frctn Loss (m)	0.55	Cum Volume (1000 m3)	0.04	9.26	0.17
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.17	6.90	0.53

Plan: Plan 02 TributarioArroyo 1 RS: 410.3055 Profile: T=500

E.G. Elev (m)	783.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.93	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	782.56	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	782.56	Flow Area (m2)	1.24	33.85	1.59
E.G. Slope (m/m)	0.006457	Area (m2)	1.24	33.85	1.59
Q Total (m3/s)	151.40	Flow (m3/s)	2.19	146.56	2.64
Top Width (m)	21.01	Top Width (m)	1.90	16.00	3.11
Vel Total (m/s)	4.13	Avg. Vel. (m/s)	1.77	4.33	1.66
Max Chl Dpth (m)	2.97	Hydr. Depth (m)	0.65	2.12	0.51
Conv. Total (m3/s)	1884.1	Conv. (m3/s)	27.3	1823.9	32.9
Length Wtd. (m)	70.28	Wetted Per. (m)	2.31	16.47	3.25
Min Ch El (m)	779.59	Shear (N/m2)	34.03	130.11	30.95
Alpha	1.07	Stream Power (N/m s)	60.24	563.30	51.45
Frctn Loss (m)	0.46	Cum Volume (1000 m3)	0.23	12.65	0.56
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.60	7.12	0.97

Plan: Plan 02 TributarioArroyo 1 RS: 340.0257 Profile: T=2

E.G. Elev (m)	771.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	
W.S. Elev (m)	771.07	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.07	Flow Area (m2)		5.25	
E.G. Slope (m/m)	0.010874	Area (m2)		5.25	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	

Plan: Plan 02 TributarioArroyo 1 RS: 340.0257 Profile: T=2 (Continued)

Top Width (m)	6.96	Top Width (m)		6.96	
Vel Total (m/s)	2.75	Avg. Vel. (m/s)		2.75	
Max Chl Dpth (m)	1.31	Hydr. Depth (m)		0.75	
Conv. Total (m3/s)	138.4	Conv. (m3/s)		138.4	
Length Wtd. (m)	104.00	Wetted Per. (m)		7.48	
Min Ch El (m)	769.76	Shear (N/m2)		74.91	
Alpha	1.00	Stream Power (N/m s)		205.76	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)		1.78	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.74	

Plan: Plan 02 TributarioArroyo 1 RS: 340.0257 Profile: T=5

E.G. Elev (m)	772.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.		0.030	
W.S. Elev (m)	771.53	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.53	Flow Area (m2)		8.89	
E.G. Slope (m/m)	0.009880	Area (m2)		8.89	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	8.66	Top Width (m)		8.66	
Vel Total (m/s)	3.19	Avg. Vel. (m/s)		3.19	
Max Chl Dpth (m)	1.77	Hydr. Depth (m)		1.03	
Conv. Total (m3/s)	285.5	Conv. (m3/s)		285.5	
Length Wtd. (m)	104.00	Wetted Per. (m)		9.41	
Min Ch El (m)	769.76	Shear (N/m2)		91.57	
Alpha	1.00	Stream Power (N/m s)		292.21	
Frctn Loss (m)	1.05	Cum Volume (1000 m3)		3.04	
C & E Loss (m)	0.04	Cum SA (1000 m2)		4.65	

Plan: Plan 02 TributarioArroyo 1 RS: 340.0257 Profile: T=10

E.G. Elev (m)	772.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.62	Wt. n-Val.		0.030	
W.S. Elev (m)	771.87	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.87	Flow Area (m2)		11.94	
E.G. Slope (m/m)	0.009473	Area (m2)		11.94	
Q Total (m3/s)	41.73	Flow (m3/s)		41.73	
Top Width (m)	9.74	Top Width (m)		9.74	
Vel Total (m/s)	3.49	Avg. Vel. (m/s)		3.49	
Max Chl Dpth (m)	2.11	Hydr. Depth (m)		1.23	
Conv. Total (m3/s)	428.8	Conv. (m3/s)		428.8	
Length Wtd. (m)	104.00	Wetted Per. (m)		10.68	
Min Ch El (m)	769.76	Shear (N/m2)		103.84	
Alpha	1.00	Stream Power (N/m s)		362.87	
Frctn Loss (m)	0.99	Cum Volume (1000 m3)		4.07	
C & E Loss (m)	0.05	Cum SA (1000 m2)		5.10	

Plan: Plan 02 TributarioArroyo 1 RS: 340.0257 Profile: T=25

E.G. Elev (m)	772.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.74	Wt. n-Val.		0.030	
W.S. Elev (m)	772.25	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	772.25	Flow Area (m2)		15.96	
E.G. Slope (m/m)	0.009068	Area (m2)		15.96	
Q Total (m3/s)	60.71	Flow (m3/s)		60.71	
Top Width (m)	11.01	Top Width (m)		11.01	
Vel Total (m/s)	3.80	Avg. Vel. (m/s)		3.80	
Max Chl Dpth (m)	2.49	Hydr. Depth (m)		1.45	
Conv. Total (m3/s)	637.5	Conv. (m3/s)		637.5	
Length Wtd. (m)	104.00	Wetted Per. (m)		12.17	
Min Ch El (m)	769.76	Shear (N/m2)		116.63	

Plan: Plan 02 TributarioArroyo 1 RS: 340.0257 Profile: T=25 (Continued)

Alpha	1.00	Stream Power (N/m s)		443.57	
Frctn Loss (m)	0.92	Cum Volume (1000 m3)		5.43	0.01
C & E Loss (m)	0.06	Cum SA (1000 m2)		5.58	0.30

Plan: Plan 02 TributarioArroyo 1 RS: 340.0257 Profile: T=50

E.G. Elev (m)	773.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.82	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	772.53	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	772.53	Flow Area (m2)	0.00	19.17	
E.G. Slope (m/m)	0.008730	Area (m2)	0.00	19.17	
Q Total (m3/s)	76.79	Flow (m3/s)	0.00	76.79	
Top Width (m)	11.94	Top Width (m)	0.10	11.84	
Vel Total (m/s)	4.01	Avg. Vel. (m/s)	0.26	4.01	
Max Chl Dpth (m)	2.77	Hydr. Depth (m)	0.03	1.62	
Conv. Total (m3/s)	821.9	Conv. (m3/s)	0.0	821.9	
Length Wtd. (m)	103.92	Wetted Per. (m)	0.11	13.14	
Min Ch El (m)	769.76	Shear (N/m2)	2.02	124.89	
Alpha	1.00	Stream Power (N/m s)	0.52	500.35	
Frctn Loss (m)	0.85	Cum Volume (1000 m3)	0.00	6.45	0.08
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.04	5.76	0.37

Plan: Plan 02 TributarioArroyo 1 RS: 340.0257 Profile: T=100

E.G. Elev (m)	773.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.93	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	772.81	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	772.81	Flow Area (m2)	0.11	22.53	0.03
E.G. Slope (m/m)	0.008201	Area (m2)	0.11	22.53	0.03
Q Total (m3/s)	96.61	Flow (m3/s)	0.09	96.50	0.02
Top Width (m)	12.96	Top Width (m)	0.64	12.00	0.32
Vel Total (m/s)	4.26	Avg. Vel. (m/s)	0.84	4.28	0.55
Max Chl Dpth (m)	3.05	Hydr. Depth (m)	0.17	1.88	0.09
Conv. Total (m3/s)	1066.8	Conv. (m3/s)	1.0	1065.6	0.2
Length Wtd. (m)	103.82	Wetted Per. (m)	0.72	13.33	0.37
Min Ch El (m)	769.76	Shear (N/m2)	11.91	135.91	6.17
Alpha	1.01	Stream Power (N/m s)	10.06	582.06	3.36
Frctn Loss (m)	0.79	Cum Volume (1000 m3)	0.02	7.59	0.16
C & E Loss (m)	0.09	Cum SA (1000 m2)	0.11	5.92	0.46

Plan: Plan 02 TributarioArroyo 1 RS: 340.0257 Profile: T=500

E.G. Elev (m)	774.67	Element	Left OB	Channel	Right OB
Vel Head (m)	1.15	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	773.53	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	773.53	Flow Area (m2)	1.04	31.08	0.73
E.G. Slope (m/m)	0.006663	Area (m2)	1.04	31.08	0.73
Q Total (m3/s)	151.40	Flow (m3/s)	1.70	148.64	1.06
Top Width (m)	15.63	Top Width (m)	1.99	12.00	1.64
Vel Total (m/s)	4.61	Avg. Vel. (m/s)	1.63	4.78	1.45
Max Chl Dpth (m)	3.77	Hydr. Depth (m)	0.52	2.59	0.44
Conv. Total (m3/s)	1854.7	Conv. (m3/s)	20.8	1821.0	12.9
Length Wtd. (m)	103.60	Wetted Per. (m)	2.25	13.33	1.87
Min Ch El (m)	769.76	Shear (N/m2)	30.27	152.29	25.48
Alpha	1.06	Stream Power (N/m s)	49.31	728.41	37.01
Frctn Loss (m)	0.66	Cum Volume (1000 m3)	0.15	10.37	0.48
C & E Loss (m)	0.11	Cum SA (1000 m2)	0.46	6.14	0.80

Plan: Plan 02 TributarioArroyo 1 RS: 236.0229 Profile: T=2

E.G. Elev (m)	760.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.		0.030	
W.S. Elev (m)	760.33	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.33	Flow Area (m2)		5.82	
E.G. Slope (m/m)	0.011021	Area (m2)		5.82	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	9.49	Top Width (m)		9.49	
Vel Total (m/s)	2.48	Avg. Vel. (m/s)		2.48	
Max Chl Dpth (m)	0.95	Hydr. Depth (m)		0.61	
Conv. Total (m3/s)	137.5	Conv. (m3/s)		137.5	
Length Wtd. (m)	79.99	Wetted Per. (m)		9.75	
Min Ch El (m)	759.38	Shear (N/m2)		64.47	
Alpha	1.00	Stream Power (N/m s)		159.87	
Frctn Loss (m)	0.90	Cum Volume (1000 m3)		1.21	
C & E Loss (m)	0.02	Cum SA (1000 m2)		2.88	

Plan: Plan 02 TributarioArroyo 1 RS: 236.0229 Profile: T=5

E.G. Elev (m)	761.12	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	
W.S. Elev (m)	760.74	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.74	Flow Area (m2)		10.45	
E.G. Slope (m/m)	0.010282	Area (m2)		10.45	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	14.04	Top Width (m)		14.04	
Vel Total (m/s)	2.72	Avg. Vel. (m/s)		2.72	
Max Chl Dpth (m)	1.36	Hydr. Depth (m)		0.74	
Conv. Total (m3/s)	279.9	Conv. (m3/s)		279.9	
Length Wtd. (m)	79.99	Wetted Per. (m)		14.52	
Min Ch El (m)	759.38	Shear (N/m2)		72.60	
Alpha	1.00	Stream Power (N/m s)		197.12	
Frctn Loss (m)	0.83	Cum Volume (1000 m3)		2.04	
C & E Loss (m)	0.01	Cum SA (1000 m2)		3.47	

Plan: Plan 02 TributarioArroyo 1 RS: 236.0229 Profile: T=10

E.G. Elev (m)	761.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.		0.030	
W.S. Elev (m)	760.98	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.98	Flow Area (m2)		13.90	
E.G. Slope (m/m)	0.009564	Area (m2)		13.90	
Q Total (m3/s)	41.73	Flow (m3/s)		41.73	
Top Width (m)	15.14	Top Width (m)		15.14	
Vel Total (m/s)	3.00	Avg. Vel. (m/s)		3.00	
Max Chl Dpth (m)	1.60	Hydr. Depth (m)		0.92	
Conv. Total (m3/s)	426.7	Conv. (m3/s)		426.7	
Length Wtd. (m)	79.99	Wetted Per. (m)		15.73	
Min Ch El (m)	759.38	Shear (N/m2)		82.90	
Alpha	1.00	Stream Power (N/m s)		248.88	
Frctn Loss (m)	0.78	Cum Volume (1000 m3)		2.73	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.81	

Plan: Plan 02 TributarioArroyo 1 RS: 236.0229 Profile: T=25

E.G. Elev (m)	761.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	761.29	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	761.29	Flow Area (m2)		18.85	0.11
E.G. Slope (m/m)	0.008709	Area (m2)		18.85	0.11
Q Total (m3/s)	60.71	Flow (m3/s)		60.67	0.04

Plan: Plan 02 TributarioArroyo 1 RS: 236.0229 Profile: T=25 (Continued)

Top Width (m)	20.48	Top Width (m)		17.22	3.26
Vel Total (m/s)	3.20	Avg. Vel. (m/s)		3.22	0.33
Max Chl Dpth (m)	1.91	Hydr. Depth (m)		1.09	0.03
Conv. Total (m3/s)	650.5	Conv. (m3/s)		650.1	0.4
Length Wtd. (m)	79.99	Wetted Per. (m)		17.92	3.27
Min Ch El (m)	759.38	Shear (N/m2)		89.86	2.96
Alpha	1.01	Stream Power (N/m s)		289.19	0.98
Frctn Loss (m)	0.72	Cum Volume (1000 m3)		3.62	0.01
C & E Loss (m)	0.02	Cum SA (1000 m2)		4.11	0.15

Plan: Plan 02 TributarioArroyo 1 RS: 236.0229 Profile: T=50

E.G. Elev (m)	762.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	761.50	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	761.50	Flow Area (m2)	0.04	22.40	0.86
E.G. Slope (m/m)	0.007676	Area (m2)	0.04	22.40	0.86
Q Total (m3/s)	76.79	Flow (m3/s)	0.02	75.87	0.90
Top Width (m)	21.59	Top Width (m)	0.39	17.24	3.96
Vel Total (m/s)	3.30	Avg. Vel. (m/s)	0.58	3.39	1.05
Max Chl Dpth (m)	2.12	Hydr. Depth (m)	0.10	1.30	0.22
Conv. Total (m3/s)	876.5	Conv. (m3/s)	0.2	866.0	10.2
Length Wtd. (m)	80.01	Wetted Per. (m)	0.43	17.94	3.99
Min Ch El (m)	759.38	Shear (N/m2)	6.58	94.00	16.14
Alpha	1.04	Stream Power (N/m s)	3.78	318.35	16.89
Frctn Loss (m)	0.66	Cum Volume (1000 m3)	0.00	4.29	0.04
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.02	4.25	0.19

Plan: Plan 02 TributarioArroyo 1 RS: 236.0229 Profile: T=100

E.G. Elev (m)	762.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.65	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	761.71	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	761.71	Flow Area (m2)	0.16	26.03	1.76
E.G. Slope (m/m)	0.007128	Area (m2)	0.16	26.03	1.76
Q Total (m3/s)	96.61	Flow (m3/s)	0.15	93.89	2.57
Top Width (m)	22.71	Top Width (m)	0.80	17.24	4.67
Vel Total (m/s)	3.46	Avg. Vel. (m/s)	0.90	3.61	1.46
Max Chl Dpth (m)	2.33	Hydr. Depth (m)	0.20	1.51	0.38
Conv. Total (m3/s)	1144.3	Conv. (m3/s)	1.7	1112.1	30.5
Length Wtd. (m)	80.03	Wetted Per. (m)	0.90	17.94	4.74
Min Ch El (m)	759.38	Shear (N/m2)	12.67	101.42	26.04
Alpha	1.06	Stream Power (N/m s)	11.42	365.82	37.94
Frctn Loss (m)	0.63	Cum Volume (1000 m3)	0.01	5.06	0.08
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.03	4.40	0.24

Plan: Plan 02 TributarioArroyo 1 RS: 236.0229 Profile: T=500

E.G. Elev (m)	763.01	Element	Left OB	Channel	Right OB
Vel Head (m)	0.79	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	762.21	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	762.21	Flow Area (m2)	0.82	34.75	4.76
E.G. Slope (m/m)	0.006136	Area (m2)	0.82	34.75	4.76
Q Total (m3/s)	151.40	Flow (m3/s)	1.19	140.99	9.23
Top Width (m)	26.31	Top Width (m)	1.76	17.24	7.30
Vel Total (m/s)	3.75	Avg. Vel. (m/s)	1.45	4.06	1.94
Max Chl Dpth (m)	2.83	Hydr. Depth (m)	0.46	2.02	0.65
Conv. Total (m3/s)	1932.8	Conv. (m3/s)	15.1	1799.8	117.8
Length Wtd. (m)	80.07	Wetted Per. (m)	1.99	17.94	7.42
Min Ch El (m)	759.38	Shear (N/m2)	24.83	116.55	38.56

Plan: Plan 02 TributarioArroyo 1 RS: 236.0229 Profile: T=500 (Continued)

Alpha	1.10	Stream Power (N/m s)	35.93	472.89	74.82
Frctn Loss (m)	0.55	Cum Volume (1000 m3)	0.05	6.95	0.23
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.25	4.62	0.40

Plan: Plan 02 TributarioArroyo 1 RS: 156.0341 Profile: T=2

E.G. Elev (m)	753.28	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	753.03	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.03	Flow Area (m2)		6.52	
E.G. Slope (m/m)	0.011481	Area (m2)		6.52	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	13.22	Top Width (m)		13.22	
Vel Total (m/s)	2.21	Avg. Vel. (m/s)		2.21	
Max Chl Dpth (m)	0.82	Hydr. Depth (m)		0.49	
Conv. Total (m3/s)	134.7	Conv. (m3/s)		134.7	
Length Wtd. (m)	96.20	Wetted Per. (m)		13.35	
Min Ch El (m)	752.21	Shear (N/m2)		54.95	
Alpha	1.00	Stream Power (N/m s)		121.68	
Frctn Loss (m)	1.20	Cum Volume (1000 m3)		0.71	
C & E Loss (m)	0.03	Cum SA (1000 m2)		1.98	

Plan: Plan 02 TributarioArroyo 1 RS: 156.0341 Profile: T=5

E.G. Elev (m)	753.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	753.33	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.33	Flow Area (m2)		11.07	
E.G. Slope (m/m)	0.010442	Area (m2)		11.07	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	16.76	Top Width (m)		16.76	
Vel Total (m/s)	2.56	Avg. Vel. (m/s)		2.56	
Max Chl Dpth (m)	1.12	Hydr. Depth (m)		0.66	
Conv. Total (m3/s)	277.7	Conv. (m3/s)		277.7	
Length Wtd. (m)	96.20	Wetted Per. (m)		16.95	
Min Ch El (m)	752.21	Shear (N/m2)		66.88	
Alpha	1.00	Stream Power (N/m s)		171.48	
Frctn Loss (m)	1.07	Cum Volume (1000 m3)		1.18	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.24	

Plan: Plan 02 TributarioArroyo 1 RS: 156.0341 Profile: T=10

E.G. Elev (m)	753.94	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.		0.030	
W.S. Elev (m)	753.55	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.55	Flow Area (m2)		15.10	
E.G. Slope (m/m)	0.009915	Area (m2)		15.10	
Q Total (m3/s)	41.73	Flow (m3/s)		41.73	
Top Width (m)	19.64	Top Width (m)		19.64	
Vel Total (m/s)	2.76	Avg. Vel. (m/s)		2.76	
Max Chl Dpth (m)	1.34	Hydr. Depth (m)		0.77	
Conv. Total (m3/s)	419.1	Conv. (m3/s)		419.1	
Length Wtd. (m)	96.20	Wetted Per. (m)		19.86	
Min Ch El (m)	752.21	Shear (N/m2)		73.89	
Alpha	1.00	Stream Power (N/m s)		204.25	
Frctn Loss (m)	1.00	Cum Volume (1000 m3)		1.57	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.42	

Plan: Plan 02 TributarioArroyo 1 RS: 156.0341 Profile: T=25

E.G. Elev (m)	754.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.		0.030	
W.S. Elev (m)	753.79	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.79	Flow Area (m2)		20.12	
E.G. Slope (m/m)	0.009295	Area (m2)		20.12	
Q Total (m3/s)	60.71	Flow (m3/s)		60.71	
Top Width (m)	21.82	Top Width (m)		21.82	
Vel Total (m/s)	3.02	Avg. Vel. (m/s)		3.02	
Max Chl Dpth (m)	1.58	Hydr. Depth (m)		0.92	
Conv. Total (m3/s)	629.7	Conv. (m3/s)		629.7	
Length Wtd. (m)	96.20	Wetted Per. (m)		22.12	
Min Ch El (m)	752.21	Shear (N/m2)		82.91	
Alpha	1.00	Stream Power (N/m s)		250.13	
Frctn Loss (m)	0.93	Cum Volume (1000 m3)		2.06	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.55	0.02

Plan: Plan 02 TributarioArroyo 1 RS: 156.0341 Profile: T=50

E.G. Elev (m)	754.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.		0.030	
W.S. Elev (m)	753.97	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.97	Flow Area (m2)		24.04	
E.G. Slope (m/m)	0.008956	Area (m2)		24.04	
Q Total (m3/s)	76.79	Flow (m3/s)		76.79	
Top Width (m)	23.23	Top Width (m)		23.23	
Vel Total (m/s)	3.19	Avg. Vel. (m/s)		3.19	
Max Chl Dpth (m)	1.76	Hydr. Depth (m)		1.03	
Conv. Total (m3/s)	811.4	Conv. (m3/s)		811.4	
Length Wtd. (m)	96.20	Wetted Per. (m)		23.59	
Min Ch El (m)	752.21	Shear (N/m2)		89.50	
Alpha	1.00	Stream Power (N/m s)		285.90	
Frctn Loss (m)	0.89	Cum Volume (1000 m3)		2.44	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.63	0.03

Plan: Plan 02 TributarioArroyo 1 RS: 156.0341 Profile: T=100

E.G. Elev (m)	754.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.		0.030	
W.S. Elev (m)	754.16	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	754.16	Flow Area (m2)		28.61	
E.G. Slope (m/m)	0.008615	Area (m2)		28.61	
Q Total (m3/s)	96.61	Flow (m3/s)		96.61	
Top Width (m)	24.67	Top Width (m)		24.67	
Vel Total (m/s)	3.38	Avg. Vel. (m/s)		3.38	
Max Chl Dpth (m)	1.95	Hydr. Depth (m)		1.16	
Conv. Total (m3/s)	1040.9	Conv. (m3/s)		1040.9	
Length Wtd. (m)	96.20	Wetted Per. (m)		25.09	
Min Ch El (m)	752.21	Shear (N/m2)		96.34	
Alpha	1.00	Stream Power (N/m s)		325.35	
Frctn Loss (m)	0.85	Cum Volume (1000 m3)		2.88	0.01
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.72	0.05

Plan: Plan 02 TributarioArroyo 1 RS: 156.0341 Profile: T=500

E.G. Elev (m)	755.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.73	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	754.59	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	754.59	Flow Area (m2)	0.12	40.08	0.01
E.G. Slope (m/m)	0.007810	Area (m2)	0.12	40.08	0.01
Q Total (m3/s)	151.40	Flow (m3/s)	0.06	151.34	0.00

Plan: Plan 02 TributarioArroyo 1 RS: 156.0341 Profile: T=500 (Continued)

Top Width (m)	29.02	Top Width (m)	1.72	27.09	0.21
Vel Total (m/s)	3.77	Avg. Vel. (m/s)	0.49	3.78	0.32
Max Chl Dpth (m)	2.38	Hydr. Depth (m)	0.07	1.48	0.04
Conv. Total (m3/s)	1713.1	Conv. (m3/s)	0.7	1712.4	0.0
Length Wtd. (m)	96.20	Wetted Per. (m)	1.73	27.62	0.22
Min Ch El (m)	752.21	Shear (N/m2)	5.21	111.15	2.69
Alpha	1.01	Stream Power (N/m s)	2.56	419.71	0.85
Frctn Loss (m)	0.76	Cum Volume (1000 m3)	0.01	3.96	0.03
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.12	2.84	0.09

Plan: Plan 02 TributarioArroyo 1 RS: 59.83515 Profile: T=2

E.G. Elev (m)	747.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	746.97	Reach Len. (m)			
Crit W.S. (m)	746.97	Flow Area (m2)		8.33	
E.G. Slope (m/m)	0.013553	Area (m2)		8.33	
Q Total (m3/s)	14.43	Flow (m3/s)		14.43	
Top Width (m)	27.86	Top Width (m)		27.86	
Vel Total (m/s)	1.73	Avg. Vel. (m/s)		1.73	
Max Chl Dpth (m)	0.49	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	124.0	Conv. (m3/s)		124.0	
Length Wtd. (m)		Wetted Per. (m)		27.92	
Min Ch El (m)	746.48	Shear (N/m2)		39.65	
Alpha	1.00	Stream Power (N/m s)		68.69	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 TributarioArroyo 1 RS: 59.83515 Profile: T=5

E.G. Elev (m)	747.38	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	747.15	Reach Len. (m)			
Crit W.S. (m)	747.15	Flow Area (m2)		13.38	
E.G. Slope (m/m)	0.011805	Area (m2)		13.38	
Q Total (m3/s)	28.38	Flow (m3/s)		28.38	
Top Width (m)	29.75	Top Width (m)		29.75	
Vel Total (m/s)	2.12	Avg. Vel. (m/s)		2.12	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)		0.45	
Conv. Total (m3/s)	261.2	Conv. (m3/s)		261.2	
Length Wtd. (m)		Wetted Per. (m)		29.86	
Min Ch El (m)	746.48	Shear (N/m2)		51.88	
Alpha	1.00	Stream Power (N/m s)		110.02	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 TributarioArroyo 1 RS: 59.83515 Profile: T=10

E.G. Elev (m)	747.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.		0.030	
W.S. Elev (m)	747.28	Reach Len. (m)			
Crit W.S. (m)	747.28	Flow Area (m2)		17.51	
E.G. Slope (m/m)	0.010836	Area (m2)		17.51	
Q Total (m3/s)	41.73	Flow (m3/s)		41.73	
Top Width (m)	30.63	Top Width (m)		30.63	
Vel Total (m/s)	2.38	Avg. Vel. (m/s)		2.38	
Max Chl Dpth (m)	0.80	Hydr. Depth (m)		0.57	
Conv. Total (m3/s)	400.9	Conv. (m3/s)		400.9	
Length Wtd. (m)		Wetted Per. (m)		30.78	
Min Ch El (m)	746.48	Shear (N/m2)		60.47	

Plan: Plan 02 TributarioArroyo 1 RS: 59.83515 Profile: T=10 (Continued)

Alpha	1.00	Stream Power (N/m s)		144.09	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 TributarioArroyo 1 RS: 59.83515 Profile: T=25

E.G. Elev (m)	747.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	747.45	Reach Len. (m)			
Crit W.S. (m)	747.45	Flow Area (m2)		22.64	0.03
E.G. Slope (m/m)	0.009976	Area (m2)		22.64	0.03
Q Total (m3/s)	60.71	Flow (m3/s)		60.69	0.02
Top Width (m)	31.50	Top Width (m)		31.15	0.35
Vel Total (m/s)	2.68	Avg. Vel. (m/s)		2.68	0.58
Max Chl Dpth (m)	0.97	Hydr. Depth (m)		0.73	0.08
Conv. Total (m3/s)	607.8	Conv. (m3/s)		607.7	0.2
Length Wtd. (m)		Wetted Per. (m)		31.33	0.39
Min Ch El (m)	746.48	Shear (N/m2)		70.69	7.11
Alpha	1.00	Stream Power (N/m s)		189.53	4.12
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 TributarioArroyo 1 RS: 59.83515 Profile: T=50

E.G. Elev (m)	748.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	747.58	Reach Len. (m)			
Crit W.S. (m)	747.58	Flow Area (m2)		26.59	0.09
E.G. Slope (m/m)	0.009478	Area (m2)		26.59	0.09
Q Total (m3/s)	76.79	Flow (m3/s)		76.71	0.08
Top Width (m)	32.17	Top Width (m)		31.53	0.63
Vel Total (m/s)	2.88	Avg. Vel. (m/s)		2.88	0.83
Max Chl Dpth (m)	1.10	Hydr. Depth (m)		0.84	0.14
Conv. Total (m3/s)	788.8	Conv. (m3/s)		788.0	0.8
Length Wtd. (m)		Wetted Per. (m)		31.73	0.70
Min Ch El (m)	746.48	Shear (N/m2)		77.90	12.10
Alpha	1.00	Stream Power (N/m s)		224.71	10.09
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 TributarioArroyo 1 RS: 59.83515 Profile: T=100

E.G. Elev (m)	748.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.49	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	747.72	Reach Len. (m)			
Crit W.S. (m)	747.72	Flow Area (m2)		31.18	0.21
E.G. Slope (m/m)	0.008976	Area (m2)		31.18	0.21
Q Total (m3/s)	96.61	Flow (m3/s)		96.39	0.22
Top Width (m)	32.93	Top Width (m)		31.97	0.96
Vel Total (m/s)	3.08	Avg. Vel. (m/s)		3.09	1.07
Max Chl Dpth (m)	1.24	Hydr. Depth (m)		0.98	0.22
Conv. Total (m3/s)	1019.7	Conv. (m3/s)		1017.4	2.3
Length Wtd. (m)		Wetted Per. (m)		32.19	1.05
Min Ch El (m)	746.48	Shear (N/m2)		85.25	17.26
Alpha	1.01	Stream Power (N/m s)		263.55	18.40
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 02 TributarioArroyo 1 RS: 59.83515 Profile: T=500

E.G. Elev (m)	748.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.64	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	748.06	Reach Len. (m)			
Crit W.S. (m)	748.06	Flow Area (m2)	0.11	42.15	0.66
E.G. Slope (m/m)	0.007999	Area (m2)	0.11	42.15	0.66
Q Total (m3/s)	151.40	Flow (m3/s)	0.09	150.32	0.99
Top Width (m)	34.36	Top Width (m)	0.65	32.00	1.72
Vel Total (m/s)	3.53	Avg. Vel. (m/s)	0.83	3.57	1.49
Max Chl Dpth (m)	1.58	Hydr. Depth (m)	0.17	1.32	0.39
Conv. Total (m3/s)	1692.8	Conv. (m3/s)	1.0	1680.8	11.0
Length Wtd. (m)		Wetted Per. (m)	0.73	32.22	1.88
Min Ch El (m)	746.48	Shear (N/m2)	11.62	102.62	27.65
Alpha	1.02	Stream Power (N/m s)	9.70	365.92	41.13
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

APÉNDICE 4 TABLAS RESUMEN DE PARÁMETROS HIDRÁULICOS DE LAS SECCIONES ESTUDIADAS. SITUACIÓN POSTOPERACIONAL

ESCENARIO SUELO SECO

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=2

E.G. Elev (m)	816.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	816.24	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.24	Flow Area (m2)		2.91	
E.G. Slope (m/m)	0.017337	Area (m2)		2.91	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	19.05	Top Width (m)		19.05	
Vel Total (m/s)	1.25	Avg. Vel. (m/s)		1.25	
Max Chl Dpth (m)	0.42	Hydr. Depth (m)		0.15	
Conv. Total (m3/s)	27.6	Conv. (m3/s)		27.6	
Length Wtd. (m)	183.73	Wetted Per. (m)		19.14	
Min Ch El (m)	815.82	Shear (N/m2)		25.85	
Alpha	1.00	Stream Power (N/m s)		32.33	
Frctn Loss (m)	5.62	Cum Volume (1000 m3)	0.02	1.91	
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.37	10.87	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=5

E.G. Elev (m)	816.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	816.32	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.32	Flow Area (m2)		4.45	0.01
E.G. Slope (m/m)	0.015779	Area (m2)		4.45	0.01
Q Total (m3/s)	6.55	Flow (m3/s)		6.54	0.01
Top Width (m)	21.69	Top Width (m)		21.26	0.43
Vel Total (m/s)	1.47	Avg. Vel. (m/s)		1.47	0.40
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.21	0.03
Conv. Total (m3/s)	52.1	Conv. (m3/s)		52.1	0.0
Length Wtd. (m)	183.72	Wetted Per. (m)		21.36	0.44
Min Ch El (m)	815.82	Shear (N/m2)		32.22	4.50
Alpha	1.00	Stream Power (N/m s)		47.40	1.78
Frctn Loss (m)	5.46	Cum Volume (1000 m3)	0.05	2.96	0.00
C & E Loss (m)	0.04	Cum SA (1000 m2)	0.49	13.29	0.03

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=10

E.G. Elev (m)	816.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.000	0.030	0.030
W.S. Elev (m)	816.38	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.38	Flow Area (m2)	0.00	5.71	0.05
E.G. Slope (m/m)	0.014435	Area (m2)	0.00	5.71	0.05
Q Total (m3/s)	9.34	Flow (m3/s)	0.00	9.31	0.03
Top Width (m)	22.84	Top Width (m)	0.06	21.91	0.87
Vel Total (m/s)	1.62	Avg. Vel. (m/s)	0.09	1.63	0.60
Max Chl Dpth (m)	0.56	Hydr. Depth (m)	0.00	0.26	0.06
Conv. Total (m3/s)	77.7	Conv. (m3/s)	0.0	77.5	0.3
Length Wtd. (m)	183.68	Wetted Per. (m)	0.06	22.02	0.88
Min Ch El (m)	815.82	Shear (N/m2)		36.73	8.22
Alpha	1.01	Stream Power (N/m s)		59.84	4.94
Frctn Loss (m)	5.28	Cum Volume (1000 m3)	0.08	3.75	0.00
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.59	14.05	0.07

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=25

E.G. Elev (m)	816.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.45	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.45	Flow Area (m2)	0.03	7.31	0.13
E.G. Slope (m/m)	0.012636	Area (m2)	0.03	7.31	0.13
Q Total (m3/s)	13.24	Flow (m3/s)	0.01	13.12	0.10

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=25 (Continued)

Top Width (m)	24.14	Top Width (m)	0.83	21.91	1.41
Vel Total (m/s)	1.77	Avg. Vel. (m/s)	0.43	1.80	0.78
Max Chl Dpth (m)	0.63	Hydr. Depth (m)	0.04	0.33	0.09
Conv. Total (m3/s)	117.8	Conv. (m3/s)	0.1	116.7	0.9
Length Wtd. (m)	183.63	Wetted Per. (m)	0.83	22.02	1.42
Min Ch El (m)	815.82	Shear (N/m2)	4.84	41.12	11.66
Alpha	1.02	Stream Power (N/m s)	2.09	73.84	9.04
Frctn Loss (m)	5.01	Cum Volume (1000 m3)	0.12	4.75	0.01
C & E Loss (m)	0.09	Cum SA (1000 m2)	0.83	14.99	0.12

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=50

E.G. Elev (m)	816.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.51	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.51	Flow Area (m2)	0.10	8.53	0.22
E.G. Slope (m/m)	0.011535	Area (m2)	0.10	8.53	0.22
Q Total (m3/s)	16.49	Flow (m3/s)	0.06	16.24	0.20
Top Width (m)	25.15	Top Width (m)	1.41	21.91	1.82
Vel Total (m/s)	1.86	Avg. Vel. (m/s)	0.59	1.90	0.88
Max Chl Dpth (m)	0.69	Hydr. Depth (m)	0.07	0.39	0.12
Conv. Total (m3/s)	153.5	Conv. (m3/s)	0.5	151.2	1.8
Length Wtd. (m)	183.59	Wetted Per. (m)	1.42	22.02	1.84
Min Ch El (m)	815.82	Shear (N/m2)	7.57	43.83	13.78
Alpha	1.03	Stream Power (N/m s)	4.46	83.41	12.12
Frctn Loss (m)	4.78	Cum Volume (1000 m3)	0.16	5.53	0.02
C & E Loss (m)	0.11	Cum SA (1000 m2)	1.04	15.69	0.24

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=100

E.G. Elev (m)	816.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.56	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.56	Flow Area (m2)	0.19	9.76	0.34
E.G. Slope (m/m)	0.011177	Area (m2)	0.19	9.76	0.34
Q Total (m3/s)	20.47	Flow (m3/s)	0.14	20.00	0.33
Top Width (m)	26.18	Top Width (m)	2.01	21.91	2.27
Vel Total (m/s)	1.99	Avg. Vel. (m/s)	0.73	2.05	0.99
Max Chl Dpth (m)	0.74	Hydr. Depth (m)	0.10	0.45	0.15
Conv. Total (m3/s)	193.6	Conv. (m3/s)	1.3	189.1	3.2
Length Wtd. (m)	183.57	Wetted Per. (m)	2.01	22.02	2.29
Min Ch El (m)	815.82	Shear (N/m2)	10.39	48.59	16.21
Alpha	1.04	Stream Power (N/m s)	7.61	99.54	15.97
Frctn Loss (m)	4.63	Cum Volume (1000 m3)	0.22	6.47	0.04
C & E Loss (m)	0.12	Cum SA (1000 m2)	1.68	17.01	0.37

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=500

E.G. Elev (m)	816.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.71	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.71	Flow Area (m2)	0.63	13.00	0.76
E.G. Slope (m/m)	0.009576	Area (m2)	0.63	13.00	0.76
Q Total (m3/s)	31.33	Flow (m3/s)	0.60	29.83	0.90
Top Width (m)	29.36	Top Width (m)	3.95	21.91	3.50
Vel Total (m/s)	2.18	Avg. Vel. (m/s)	0.96	2.30	1.18
Max Chl Dpth (m)	0.89	Hydr. Depth (m)	0.16	0.59	0.22
Conv. Total (m3/s)	320.2	Conv. (m3/s)	6.1	304.8	9.2
Length Wtd. (m)	183.55	Wetted Per. (m)	3.97	22.02	3.52
Min Ch El (m)	815.82	Shear (N/m2)	14.90	55.43	20.34

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=500 (Continued)

Alpha	1.07	Stream Power (N/m s)	14.24	127.21	23.93
Frctn Loss (m)	4.17	Cum Volume (1000 m3)	0.44	8.46	0.10
C & E Loss (m)	0.17	Cum SA (1000 m2)	2.35	17.57	0.71

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=2

E.G. Elev (m)	810.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.		0.030	
W.S. Elev (m)	810.32	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.42	Flow Area (m2)		1.38	
E.G. Slope (m/m)	0.067779	Area (m2)		1.38	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	8.15	Top Width (m)		8.15	
Vel Total (m/s)	2.64	Avg. Vel. (m/s)		2.64	
Max Chl Dpth (m)	0.43	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	14.0	Conv. (m3/s)		14.0	
Length Wtd. (m)	189.95	Wetted Per. (m)		8.25	
Min Ch El (m)	809.89	Shear (N/m2)		111.27	
Alpha	1.00	Stream Power (N/m s)		293.28	
Frctn Loss (m)	7.34	Cum Volume (1000 m3)	0.02	1.52	
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.37	8.37	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=5

E.G. Elev (m)	810.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.		0.030	
W.S. Elev (m)	810.39	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.55	Flow Area (m2)		2.02	
E.G. Slope (m/m)	0.075353	Area (m2)		2.02	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	9.44	Top Width (m)		9.44	
Vel Total (m/s)	3.25	Avg. Vel. (m/s)		3.25	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	23.9	Conv. (m3/s)		23.9	
Length Wtd. (m)	189.57	Wetted Per. (m)		9.55	
Min Ch El (m)	809.89	Shear (N/m2)		156.11	
Alpha	1.00	Stream Power (N/m s)		506.67	
Frctn Loss (m)	7.44	Cum Volume (1000 m3)	0.05	2.36	
C & E Loss (m)	0.12	Cum SA (1000 m2)	0.49	10.47	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=10

E.G. Elev (m)	811.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.73	Wt. n-Val.		0.030	
W.S. Elev (m)	810.44	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.64	Flow Area (m2)		2.46	
E.G. Slope (m/m)	0.082863	Area (m2)		2.46	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	9.76	Top Width (m)		9.76	
Vel Total (m/s)	3.80	Avg. Vel. (m/s)		3.80	
Max Chl Dpth (m)	0.55	Hydr. Depth (m)		0.25	
Conv. Total (m3/s)	32.4	Conv. (m3/s)		32.4	
Length Wtd. (m)	189.41	Wetted Per. (m)		9.89	
Min Ch El (m)	809.89	Shear (N/m2)		202.13	
Alpha	1.00	Stream Power (N/m s)		767.14	
Frctn Loss (m)	7.55	Cum Volume (1000 m3)	0.08	3.00	
C & E Loss (m)	0.17	Cum SA (1000 m2)	0.58	11.14	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=25

E.G. Elev (m)	811.52	Element	Left OB	Channel	Right OB
Vel Head (m)	1.03	Wt. n-Val.		0.030	
W.S. Elev (m)	810.49	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.77	Flow Area (m2)		2.94	
E.G. Slope (m/m)	0.096571	Area (m2)		2.94	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	10.11	Top Width (m)		10.11	
Vel Total (m/s)	4.50	Avg. Vel. (m/s)		4.50	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	42.6	Conv. (m3/s)		42.6	
Length Wtd. (m)	189.25	Wetted Per. (m)		10.25	
Min Ch El (m)	809.89	Shear (N/m2)		271.56	
Alpha	1.00	Stream Power (N/m s)		1223.24	
Frctn Loss (m)	7.72	Cum Volume (1000 m3)	0.11	3.81	0.00
C & E Loss (m)	0.24	Cum SA (1000 m2)	0.74	12.05	0.01

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=50

E.G. Elev (m)	811.80	Element	Left OB	Channel	Right OB
Vel Head (m)	1.27	Wt. n-Val.		0.030	
W.S. Elev (m)	810.52	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.88	Flow Area (m2)		3.30	
E.G. Slope (m/m)	0.105528	Area (m2)		3.30	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	10.36	Top Width (m)		10.36	
Vel Total (m/s)	5.00	Avg. Vel. (m/s)		5.00	
Max Chl Dpth (m)	0.63	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	50.8	Conv. (m3/s)		50.8	
Length Wtd. (m)	189.19	Wetted Per. (m)		10.51	
Min Ch El (m)	809.89	Shear (N/m2)		324.72	
Alpha	1.00	Stream Power (N/m s)		1623.67	
Frctn Loss (m)	7.86	Cum Volume (1000 m3)	0.15	4.44	0.00
C & E Loss (m)	0.30	Cum SA (1000 m2)	0.90	12.73	0.10

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=100

E.G. Elev (m)	812.02	Element	Left OB	Channel	Right OB
Vel Head (m)	1.44	Wt. n-Val.		0.030	
W.S. Elev (m)	810.57	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.97	Flow Area (m2)		3.85	
E.G. Slope (m/m)	0.101994	Area (m2)		3.85	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	10.73	Top Width (m)		10.73	
Vel Total (m/s)	5.32	Avg. Vel. (m/s)		5.32	
Max Chl Dpth (m)	0.68	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	64.1	Conv. (m3/s)		64.1	
Length Wtd. (m)	189.12	Wetted Per. (m)		10.90	
Min Ch El (m)	809.89	Shear (N/m2)		353.24	
Alpha	1.00	Stream Power (N/m s)		1878.84	
Frctn Loss (m)	7.96	Cum Volume (1000 m3)	0.20	5.21	0.01
C & E Loss (m)	0.34	Cum SA (1000 m2)	1.47	14.01	0.19

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=500

E.G. Elev (m)	812.63	Element	Left OB	Channel	Right OB
Vel Head (m)	1.95	Wt. n-Val.		0.030	
W.S. Elev (m)	810.68	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.14	Flow Area (m2)		5.07	
E.G. Slope (m/m)	0.106959	Area (m2)		5.07	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=500 (Continued)

Top Width (m)	11.65	Top Width (m)		11.65	
Vel Total (m/s)	6.18	Avg. Vel. (m/s)		6.18	
Max Chl Dpth (m)	0.79	Hydr. Depth (m)		0.43	
Conv. Total (m3/s)	95.8	Conv. (m3/s)		95.8	
Length Wtd. (m)	188.75	Wetted Per. (m)		11.85	
Min Ch El (m)	809.89	Shear (N/m2)		448.22	
Alpha	1.00	Stream Power (N/m s)		2772.21	
Frctn Loss (m)	8.25	Cum Volume (1000 m3)	0.37	6.80	0.04
C & E Loss (m)	0.46	Cum SA (1000 m2)	1.94	14.48	0.44

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=2

E.G. Elev (m)	803.27	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	803.16	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.18	Flow Area (m2)	0.15	2.36	
E.G. Slope (m/m)	0.024919	Area (m2)	0.15	2.36	
Q Total (m3/s)	3.64	Flow (m3/s)	0.12	3.52	
Top Width (m)	18.25	Top Width (m)	2.70	15.55	
Vel Total (m/s)	1.45	Avg. Vel. (m/s)	0.77	1.49	
Max Chl Dpth (m)	0.26	Hydr. Depth (m)	0.06	0.15	
Conv. Total (m3/s)	23.1	Conv. (m3/s)	0.7	22.3	
Length Wtd. (m)	129.60	Wetted Per. (m)	2.71	15.56	
Min Ch El (m)	802.90	Shear (N/m2)	13.76	37.00	
Alpha	1.04	Stream Power (N/m s)	10.64	55.30	
Frctn Loss (m)	5.24	Cum Volume (1000 m3)	0.01	1.16	
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.15	6.12	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=5

E.G. Elev (m)	803.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	803.23	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.25	Flow Area (m2)	0.37	3.58	
E.G. Slope (m/m)	0.024027	Area (m2)	0.37	3.58	
Q Total (m3/s)	6.55	Flow (m3/s)	0.42	6.13	
Top Width (m)	22.30	Top Width (m)	3.56	18.73	
Vel Total (m/s)	1.66	Avg. Vel. (m/s)	1.13	1.71	
Max Chl Dpth (m)	0.32	Hydr. Depth (m)	0.10	0.19	
Conv. Total (m3/s)	42.3	Conv. (m3/s)	2.7	39.6	
Length Wtd. (m)	129.27	Wetted Per. (m)	3.57	18.75	
Min Ch El (m)	802.90	Shear (N/m2)	24.25	44.99	
Alpha	1.03	Stream Power (N/m s)	27.51	77.07	
Frctn Loss (m)	5.11	Cum Volume (1000 m3)	0.02	1.83	
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.19	7.79	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=10

E.G. Elev (m)	803.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	803.27	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.31	Flow Area (m2)	0.55	4.49	
E.G. Slope (m/m)	0.023369	Area (m2)	0.55	4.49	
Q Total (m3/s)	9.34	Flow (m3/s)	0.72	8.62	
Top Width (m)	23.62	Top Width (m)	4.25	19.37	
Vel Total (m/s)	1.85	Avg. Vel. (m/s)	1.31	1.92	
Max Chl Dpth (m)	0.37	Hydr. Depth (m)	0.13	0.23	
Conv. Total (m3/s)	61.1	Conv. (m3/s)	4.7	56.4	
Length Wtd. (m)	129.13	Wetted Per. (m)	4.25	19.39	
Min Ch El (m)	802.90	Shear (N/m2)	29.71	53.04	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=10 (Continued)

Alpha	1.03	Stream Power (N/m s)	38.79	101.89	
Frctn Loss (m)	5.02	Cum Volume (1000 m3)	0.03	2.34	
C & E Loss (m)	0.04	Cum SA (1000 m2)	0.23	8.36	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=25

E.G. Elev (m)	803.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.	0.030	0.030	0.000
W.S. Elev (m)	803.33	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.38	Flow Area (m2)	0.83	5.63	0.00
E.G. Slope (m/m)	0.022398	Area (m2)	0.83	5.63	0.00
Q Total (m3/s)	13.24	Flow (m3/s)	1.19	12.05	0.00
Top Width (m)	25.41	Top Width (m)	5.39	20.00	0.02
Vel Total (m/s)	2.05	Avg. Vel. (m/s)	1.43	2.14	0.14
Max Chl Dpth (m)	0.43	Hydr. Depth (m)	0.15	0.28	0.01
Conv. Total (m3/s)	88.5	Conv. (m3/s)	7.9	80.5	0.0
Length Wtd. (m)	129.00	Wetted Per. (m)	5.39	20.02	0.03
Min Ch El (m)	802.90	Shear (N/m2)	33.79	61.76	
Alpha	1.04	Stream Power (N/m s)	48.40	132.22	
Frctn Loss (m)	4.92	Cum Volume (1000 m3)	0.05	3.00	0.00
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.29	9.19	0.01

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=50

E.G. Elev (m)	803.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.37	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.44	Flow Area (m2)	1.06	6.43	0.00
E.G. Slope (m/m)	0.022066	Area (m2)	1.06	6.43	0.00
Q Total (m3/s)	16.49	Flow (m3/s)	1.57	14.92	0.00
Top Width (m)	26.62	Top Width (m)	6.51	20.00	0.11
Vel Total (m/s)	2.20	Avg. Vel. (m/s)	1.48	2.32	0.40
Max Chl Dpth (m)	0.47	Hydr. Depth (m)	0.16	0.32	0.03
Conv. Total (m3/s)	111.0	Conv. (m3/s)	10.6	100.4	0.0
Length Wtd. (m)	128.95	Wetted Per. (m)	6.52	20.02	0.12
Min Ch El (m)	802.90	Shear (N/m2)	35.29	69.46	4.95
Alpha	1.05	Stream Power (N/m s)	52.15	161.25	1.98
Frctn Loss (m)	4.86	Cum Volume (1000 m3)	0.06	3.52	0.00
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.35	9.84	0.09

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=100

E.G. Elev (m)	803.72	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.41	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.49	Flow Area (m2)	1.36	7.21	0.01
E.G. Slope (m/m)	0.022819	Area (m2)	1.36	7.21	0.01
Q Total (m3/s)	20.47	Flow (m3/s)	2.07	18.39	0.01
Top Width (m)	28.30	Top Width (m)	8.10	20.00	0.20
Vel Total (m/s)	2.39	Avg. Vel. (m/s)	1.53	2.55	0.60
Max Chl Dpth (m)	0.51	Hydr. Depth (m)	0.17	0.36	0.04
Conv. Total (m3/s)	135.5	Conv. (m3/s)	13.7	121.8	0.0
Length Wtd. (m)	128.92	Wetted Per. (m)	8.11	20.02	0.21
Min Ch El (m)	802.90	Shear (N/m2)	37.41	80.63	9.12
Alpha	1.07	Stream Power (N/m s)	57.16	205.59	5.44
Frctn Loss (m)	4.85	Cum Volume (1000 m3)	0.08	4.16	0.01
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.80	11.09	0.17

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=500

E.G. Elev (m)	803.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.50	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.62	Flow Area (m2)	2.13	9.02	0.04
E.G. Slope (m/m)	0.023603	Area (m2)	2.13	9.02	0.04
Q Total (m3/s)	31.33	Flow (m3/s)	4.15	27.14	0.03
Top Width (m)	29.44	Top Width (m)	9.05	20.00	0.39
Vel Total (m/s)	2.80	Avg. Vel. (m/s)	1.95	3.01	0.96
Max Chl Dpth (m)	0.60	Hydr. Depth (m)	0.24	0.45	0.09
Conv. Total (m3/s)	203.9	Conv. (m3/s)	27.0	176.7	0.2
Length Wtd. (m)	128.68	Wetted Per. (m)	9.07	20.02	0.43
Min Ch El (m)	802.90	Shear (N/m2)	54.38	104.27	18.93
Alpha	1.06	Stream Power (N/m s)	106.04	313.81	18.26
Frctn Loss (m)	4.71	Cum Volume (1000 m3)	0.19	5.46	0.04
C & E Loss (m)	0.07	Cum SA (1000 m2)	1.19	11.47	0.40

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=2

E.G. Elev (m)	798.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	797.67	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	797.77	Flow Area (m2)		1.41	
E.G. Slope (m/m)	0.076652	Area (m2)		1.41	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	9.56	Top Width (m)		9.56	
Vel Total (m/s)	2.58	Avg. Vel. (m/s)		2.58	
Max Chl Dpth (m)	0.22	Hydr. Depth (m)		0.15	
Conv. Total (m3/s)	13.1	Conv. (m3/s)		13.1	
Length Wtd. (m)	171.74	Wetted Per. (m)		9.58	
Min Ch El (m)	797.45	Shear (N/m2)		110.87	
Alpha	1.00	Stream Power (N/m s)		285.65	
Frctn Loss (m)	6.12	Cum Volume (1000 m3)		0.92	
C & E Loss (m)	0.05	Cum SA (1000 m2)		4.48	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=5

E.G. Elev (m)	798.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.49	Wt. n-Val.		0.030	
W.S. Elev (m)	797.73	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	797.88	Flow Area (m2)		2.11	
E.G. Slope (m/m)	0.076844	Area (m2)		2.11	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	10.88	Top Width (m)		10.88	
Vel Total (m/s)	3.10	Avg. Vel. (m/s)		3.10	
Max Chl Dpth (m)	0.28	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	23.6	Conv. (m3/s)		23.6	
Length Wtd. (m)	171.74	Wetted Per. (m)		10.90	
Min Ch El (m)	797.45	Shear (N/m2)		146.23	
Alpha	1.00	Stream Power (N/m s)		452.92	
Frctn Loss (m)	6.16	Cum Volume (1000 m3)		1.46	
C & E Loss (m)	0.09	Cum SA (1000 m2)		5.86	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=10

E.G. Elev (m)	798.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.60	Wt. n-Val.		0.030	
W.S. Elev (m)	797.79	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	797.96	Flow Area (m2)		2.73	
E.G. Slope (m/m)	0.077259	Area (m2)		2.73	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=10 (Continued)

Top Width (m)	12.10	Top Width (m)		12.10	
Vel Total (m/s)	3.43	Avg. Vel. (m/s)		3.43	
Max Chl Dpth (m)	0.34	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	33.6	Conv. (m3/s)		33.6	
Length Wtd. (m)	171.74	Wetted Per. (m)		12.12	
Min Ch El (m)	797.45	Shear (N/m2)		170.37	
Alpha	1.00	Stream Power (N/m s)		583.74	
Frctn Loss (m)	6.19	Cum Volume (1000 m3)		1.87	
C & E Loss (m)	0.11	Cum SA (1000 m2)		6.32	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=25

E.G. Elev (m)	798.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.73	Wt. n-Val.		0.030	0.000
W.S. Elev (m)	797.85	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.05	Flow Area (m2)		3.49	0.00
E.G. Slope (m/m)	0.078932	Area (m2)		3.49	0.00
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	0.00
Top Width (m)	13.56	Top Width (m)		13.49	0.07
Vel Total (m/s)	3.80	Avg. Vel. (m/s)		3.80	0.21
Max Chl Dpth (m)	0.40	Hydr. Depth (m)		0.26	0.00
Conv. Total (m3/s)	47.1	Conv. (m3/s)		47.1	0.0
Length Wtd. (m)	171.74	Wetted Per. (m)		13.52	0.07
Min Ch El (m)	797.45	Shear (N/m2)		199.72	
Alpha	1.00	Stream Power (N/m s)		758.06	
Frctn Loss (m)	6.24	Cum Volume (1000 m3)		2.41	0.00
C & E Loss (m)	0.13	Cum SA (1000 m2)		7.01	0.01

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=50

E.G. Elev (m)	798.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.82	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	797.89	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.12	Flow Area (m2)		4.11	0.01
E.G. Slope (m/m)	0.078464	Area (m2)		4.11	0.01
Q Total (m3/s)	16.49	Flow (m3/s)		16.48	0.01
Top Width (m)	15.09	Top Width (m)		14.57	0.52
Vel Total (m/s)	4.00	Avg. Vel. (m/s)		4.01	0.81
Max Chl Dpth (m)	0.44	Hydr. Depth (m)		0.28	0.03
Conv. Total (m3/s)	58.9	Conv. (m3/s)		58.8	0.0
Length Wtd. (m)	171.73	Wetted Per. (m)		14.61	0.52
Min Ch El (m)	797.45	Shear (N/m2)		216.51	19.80
Alpha	1.00	Stream Power (N/m s)		868.05	16.11
Frctn Loss (m)	6.25	Cum Volume (1000 m3)		2.83	0.00
C & E Loss (m)	0.14	Cum SA (1000 m2)		7.59	0.04

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=100

E.G. Elev (m)	798.81	Element	Left OB	Channel	Right OB
Vel Head (m)	0.87	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	797.95	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.19	Flow Area (m2)	0.00	4.94	0.06
E.G. Slope (m/m)	0.073568	Area (m2)	0.00	4.94	0.06
Q Total (m3/s)	20.47	Flow (m3/s)	0.00	20.40	0.07
Top Width (m)	17.18	Top Width (m)	0.13	16.00	1.05
Vel Total (m/s)	4.09	Avg. Vel. (m/s)	0.48	4.13	1.26
Max Chl Dpth (m)	0.49	Hydr. Depth (m)	0.01	0.31	0.05
Conv. Total (m3/s)	75.5	Conv. (m3/s)	0.0	75.2	0.3
Length Wtd. (m)	171.70	Wetted Per. (m)	0.13	16.03	1.06
Min Ch El (m)	797.45	Shear (N/m2)	8.83	222.45	37.71

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=100 (Continued)

Alpha	1.01	Stream Power (N/m s)	4.24	917.92	47.67
Frctn Loss (m)	6.24	Cum Volume (1000 m3)	0.01	3.37	0.00
C & E Loss (m)	0.14	Cum SA (1000 m2)	0.35	8.75	0.08

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=500

E.G. Elev (m)	799.15	Element	Left OB	Channel	Right OB
Vel Head (m)	1.10	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.05	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.36	Flow Area (m2)	0.04	6.60	0.22
E.G. Slope (m/m)	0.064273	Area (m2)	0.04	6.60	0.22
Q Total (m3/s)	31.33	Flow (m3/s)	0.06	30.87	0.40
Top Width (m)	18.82	Top Width (m)	0.68	16.00	2.14
Vel Total (m/s)	4.57	Avg. Vel. (m/s)	1.34	4.68	1.83
Max Chl Dpth (m)	0.60	Hydr. Depth (m)	0.06	0.41	0.10
Conv. Total (m3/s)	123.6	Conv. (m3/s)	0.2	121.8	1.6
Length Wtd. (m)	171.60	Wetted Per. (m)	0.69	16.03	2.16
Min Ch El (m)	797.45	Shear (N/m2)	39.79	259.50	63.75
Alpha	1.04	Stream Power (N/m s)	53.31	1213.64	116.96
Frctn Loss (m)	6.27	Cum Volume (1000 m3)	0.08	4.45	0.02
C & E Loss (m)	0.16	Cum SA (1000 m2)	0.66	9.13	0.21

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=2

E.G. Elev (m)	791.83	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	791.67	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	791.71	Flow Area (m2)		2.09	
E.G. Slope (m/m)	0.020499	Area (m2)		2.09	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	9.38	Top Width (m)		9.38	
Vel Total (m/s)	1.75	Avg. Vel. (m/s)		1.75	
Max Chl Dpth (m)	0.38	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	25.4	Conv. (m3/s)		25.4	
Length Wtd. (m)	178.52	Wetted Per. (m)		9.43	
Min Ch El (m)	791.29	Shear (N/m2)		44.47	
Alpha	1.00	Stream Power (N/m s)		77.63	
Frctn Loss (m)	7.05	Cum Volume (1000 m3)		0.62	
C & E Loss (m)	0.04	Cum SA (1000 m2)		2.86	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=5

E.G. Elev (m)	791.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	791.79	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	791.82	Flow Area (m2)		3.53	
E.G. Slope (m/m)	0.020699	Area (m2)		3.53	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	14.56	Top Width (m)		14.56	
Vel Total (m/s)	1.86	Avg. Vel. (m/s)		1.86	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.24	
Conv. Total (m3/s)	45.5	Conv. (m3/s)		45.5	
Length Wtd. (m)	178.52	Wetted Per. (m)		14.63	
Min Ch El (m)	791.29	Shear (N/m2)		48.92	
Alpha	1.00	Stream Power (N/m s)		90.86	
Frctn Loss (m)	6.89	Cum Volume (1000 m3)		0.98	
C & E Loss (m)	0.06	Cum SA (1000 m2)		3.68	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=10

E.G. Elev (m)	792.08	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	791.85	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	791.90	Flow Area (m2)		4.42	
E.G. Slope (m/m)	0.020804	Area (m2)		4.42	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	15.08	Top Width (m)		15.08	
Vel Total (m/s)	2.11	Avg. Vel. (m/s)		2.11	
Max Chl Dpth (m)	0.56	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	64.8	Conv. (m3/s)		64.8	
Length Wtd. (m)	178.52	Wetted Per. (m)		15.16	
Min Ch El (m)	791.29	Shear (N/m2)		59.47	
Alpha	1.00	Stream Power (N/m s)		125.69	
Frctn Loss (m)	6.78	Cum Volume (1000 m3)		1.25	
C & E Loss (m)	0.07	Cum SA (1000 m2)		3.99	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=25

E.G. Elev (m)	792.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.		0.030	
W.S. Elev (m)	791.92	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	791.99	Flow Area (m2)		5.54	
E.G. Slope (m/m)	0.020788	Area (m2)		5.54	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	15.70	Top Width (m)		15.70	
Vel Total (m/s)	2.39	Avg. Vel. (m/s)		2.39	
Max Chl Dpth (m)	0.63	Hydr. Depth (m)		0.35	
Conv. Total (m3/s)	91.8	Conv. (m3/s)		91.8	
Length Wtd. (m)	178.52	Wetted Per. (m)		15.80	
Min Ch El (m)	791.29	Shear (N/m2)		71.49	
Alpha	1.00	Stream Power (N/m s)		170.85	
Frctn Loss (m)	6.72	Cum Volume (1000 m3)		1.63	
C & E Loss (m)	0.07	Cum SA (1000 m2)		4.51	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=50

E.G. Elev (m)	792.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	791.98	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.06	Flow Area (m2)		6.38	
E.G. Slope (m/m)	0.020931	Area (m2)		6.38	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	16.15	Top Width (m)		16.15	
Vel Total (m/s)	2.58	Avg. Vel. (m/s)		2.58	
Max Chl Dpth (m)	0.69	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	114.0	Conv. (m3/s)		114.0	
Length Wtd. (m)	178.52	Wetted Per. (m)		16.26	
Min Ch El (m)	791.29	Shear (N/m2)		80.54	
Alpha	1.00	Stream Power (N/m s)		208.16	
Frctn Loss (m)	6.72	Cum Volume (1000 m3)		1.93	
C & E Loss (m)	0.07	Cum SA (1000 m2)		4.95	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=100

E.G. Elev (m)	792.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.		0.030	
W.S. Elev (m)	792.03	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.13	Flow Area (m2)		7.28	
E.G. Slope (m/m)	0.021591	Area (m2)		7.28	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=100 (Continued)

Top Width (m)	16.62	Top Width (m)		16.62	
Vel Total (m/s)	2.81	Avg. Vel. (m/s)		2.81	
Max Chl Dpth (m)	0.74	Hydr. Depth (m)		0.44	
Conv. Total (m3/s)	139.3	Conv. (m3/s)		139.3	
Length Wtd. (m)	178.52	Wetted Per. (m)		16.74	
Min Ch El (m)	791.29	Shear (N/m2)		92.08	
Alpha	1.00	Stream Power (N/m s)		258.88	
Frctn Loss (m)	6.78	Cum Volume (1000 m3)	0.01	2.32	
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.34	5.95	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=500

E.G. Elev (m)	792.72	Element	Left OB	Channel	Right OB
Vel Head (m)	0.57	Wt. n-Val.		0.030	
W.S. Elev (m)	792.16	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.32	Flow Area (m2)		9.40	
E.G. Slope (m/m)	0.023521	Area (m2)		9.40	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	17.72	Top Width (m)		17.72	
Vel Total (m/s)	3.33	Avg. Vel. (m/s)		3.33	
Max Chl Dpth (m)	0.86	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	204.3	Conv. (m3/s)		204.3	
Length Wtd. (m)	178.52	Wetted Per. (m)		17.88	
Min Ch El (m)	791.29	Shear (N/m2)		121.34	
Alpha	1.00	Stream Power (N/m s)		404.26	
Frctn Loss (m)	6.72	Cum Volume (1000 m3)	0.07	3.07	0.00
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.59	6.24	0.05

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=2

E.G. Elev (m)	784.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.56	Wt. n-Val.		0.030	
W.S. Elev (m)	784.17	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.33	Flow Area (m2)		1.09	
E.G. Slope (m/m)	0.105619	Area (m2)		1.09	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	6.39	Top Width (m)		6.39	
Vel Total (m/s)	3.32	Avg. Vel. (m/s)		3.32	
Max Chl Dpth (m)	0.35	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	11.2	Conv. (m3/s)		11.2	
Length Wtd. (m)	176.94	Wetted Per. (m)		6.44	
Min Ch El (m)	783.82	Shear (N/m2)		176.11	
Alpha	1.00	Stream Power (N/m s)		585.52	
Frctn Loss (m)	10.46	Cum Volume (1000 m3)		0.33	
C & E Loss (m)	0.05	Cum SA (1000 m2)		1.45	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=5

E.G. Elev (m)	785.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.76	Wt. n-Val.		0.030	
W.S. Elev (m)	784.26	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.48	Flow Area (m2)		1.70	
E.G. Slope (m/m)	0.095975	Area (m2)		1.70	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	7.41	Top Width (m)		7.41	
Vel Total (m/s)	3.85	Avg. Vel. (m/s)		3.85	
Max Chl Dpth (m)	0.44	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	21.1	Conv. (m3/s)		21.1	
Length Wtd. (m)	176.94	Wetted Per. (m)		7.48	
Min Ch El (m)	783.82	Shear (N/m2)		214.12	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		824.00	
Frctn Loss (m)	10.42	Cum Volume (1000 m3)		0.51	
C & E Loss (m)	0.05	Cum SA (1000 m2)		1.72	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=10

E.G. Elev (m)	785.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.90	Wt. n-Val.		0.030	
W.S. Elev (m)	784.33	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.58	Flow Area (m2)		2.22	
E.G. Slope (m/m)	0.090192	Area (m2)		2.22	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	8.04	Top Width (m)		8.04	
Vel Total (m/s)	4.21	Avg. Vel. (m/s)		4.21	
Max Chl Dpth (m)	0.51	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	31.1	Conv. (m3/s)		31.1	
Length Wtd. (m)	176.94	Wetted Per. (m)		8.14	
Min Ch El (m)	783.82	Shear (N/m2)		241.19	
Alpha	1.00	Stream Power (N/m s)		1015.34	
Frctn Loss (m)	10.40	Cum Volume (1000 m3)		0.66	
C & E Loss (m)	0.06	Cum SA (1000 m2)		1.92	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=25

E.G. Elev (m)	785.42	Element	Left OB	Channel	Right OB
Vel Head (m)	1.01	Wt. n-Val.		0.030	
W.S. Elev (m)	784.41	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.68	Flow Area (m2)		2.98	
E.G. Slope (m/m)	0.087931	Area (m2)		2.98	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	9.73	Top Width (m)		9.73	
Vel Total (m/s)	4.45	Avg. Vel. (m/s)		4.45	
Max Chl Dpth (m)	0.59	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	44.6	Conv. (m3/s)		44.6	
Length Wtd. (m)	176.94	Wetted Per. (m)		9.86	
Min Ch El (m)	783.82	Shear (N/m2)		260.38	
Alpha	1.00	Stream Power (N/m s)		1158.42	
Frctn Loss (m)	10.34	Cum Volume (1000 m3)		0.87	
C & E Loss (m)	0.05	Cum SA (1000 m2)		2.24	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=50

E.G. Elev (m)	785.53	Element	Left OB	Channel	Right OB
Vel Head (m)	1.05	Wt. n-Val.		0.030	
W.S. Elev (m)	784.48	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.74	Flow Area (m2)		3.63	
E.G. Slope (m/m)	0.086613	Area (m2)		3.63	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	11.37	Top Width (m)		11.37	
Vel Total (m/s)	4.54	Avg. Vel. (m/s)		4.54	
Max Chl Dpth (m)	0.66	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	56.0	Conv. (m3/s)		56.0	
Length Wtd. (m)	176.94	Wetted Per. (m)		11.52	
Min Ch El (m)	783.82	Shear (N/m2)		267.68	
Alpha	1.00	Stream Power (N/m s)		1216.12	
Frctn Loss (m)	10.28	Cum Volume (1000 m3)		1.04	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.50	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=100

E.G. Elev (m)	785.59	Element	Left OB	Channel	Right OB
Vel Head (m)	1.04	Wt. n-Val.		0.030	
W.S. Elev (m)	784.55	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.83	Flow Area (m2)		4.53	
E.G. Slope (m/m)	0.083728	Area (m2)		4.53	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	13.94	Top Width (m)		13.94	
Vel Total (m/s)	4.52	Avg. Vel. (m/s)		4.52	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	70.7	Conv. (m3/s)		70.7	
Length Wtd. (m)	176.95	Wetted Per. (m)		14.11	
Min Ch El (m)	783.82	Shear (N/m2)		263.46	
Alpha	1.00	Stream Power (N/m s)		1191.02	
Frctn Loss (m)	10.16	Cum Volume (1000 m3)	0.01	1.27	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.34	3.22	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=500

E.G. Elev (m)	785.93	Element	Left OB	Channel	Right OB
Vel Head (m)	1.26	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.67	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	785.02	Flow Area (m2)	0.02	6.29	
E.G. Slope (m/m)	0.069761	Area (m2)	0.02	6.29	
Q Total (m3/s)	31.33	Flow (m3/s)	0.03	31.30	
Top Width (m)	14.99	Top Width (m)	0.38	14.61	
Vel Total (m/s)	4.96	Avg. Vel. (m/s)	1.23	4.97	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)	0.05	0.43	
Conv. Total (m3/s)	118.6	Conv. (m3/s)	0.1	118.5	
Length Wtd. (m)	177.02	Wetted Per. (m)	0.39	14.83	
Min Ch El (m)	783.82	Shear (N/m2)	35.86	290.43	
Alpha	1.00	Stream Power (N/m s)	44.23	1444.33	
Frctn Loss (m)	9.92	Cum Volume (1000 m3)	0.07	1.67	0.00
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.56	3.35	0.05

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=2

E.G. Elev (m)	774.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.		0.030	
W.S. Elev (m)	773.83	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	773.95	Flow Area (m2)		1.29	
E.G. Slope (m/m)	0.037731	Area (m2)		1.29	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	4.38	Top Width (m)		4.38	
Vel Total (m/s)	2.81	Avg. Vel. (m/s)		2.81	
Max Chl Dpth (m)	0.45	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	18.7	Conv. (m3/s)		18.7	
Length Wtd. (m)	128.88	Wetted Per. (m)		4.51	
Min Ch El (m)	773.38	Shear (N/m2)		106.01	
Alpha	1.00	Stream Power (N/m s)		298.31	
Frctn Loss (m)	11.29	Cum Volume (1000 m3)		0.12	
C & E Loss (m)	0.16	Cum SA (1000 m2)		0.50	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=5

E.G. Elev (m)	774.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.		0.030	
W.S. Elev (m)	773.96	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.15	Flow Area (m2)		1.94	
E.G. Slope (m/m)	0.039800	Area (m2)		1.94	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=5 (Continued)

Top Width (m)	5.16	Top Width (m)		5.16	
Vel Total (m/s)	3.38	Avg. Vel. (m/s)		3.38	
Max Chl Dpth (m)	0.58	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	32.8	Conv. (m3/s)		32.8	
Length Wtd. (m)	128.88	Wetted Per. (m)		5.35	
Min Ch El (m)	773.38	Shear (N/m2)		141.44	
Alpha	1.00	Stream Power (N/m s)		478.12	
Frctn Loss (m)	11.15	Cum Volume (1000 m3)		0.19	
C & E Loss (m)	0.18	Cum SA (1000 m2)		0.61	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=10

E.G. Elev (m)	774.78	Element	Left OB	Channel	Right OB
Vel Head (m)	0.71	Wt. n-Val.		0.030	
W.S. Elev (m)	774.06	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.29	Flow Area (m2)		2.50	
E.G. Slope (m/m)	0.041311	Area (m2)		2.50	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	5.86	Top Width (m)		5.86	
Vel Total (m/s)	3.74	Avg. Vel. (m/s)		3.74	
Max Chl Dpth (m)	0.68	Hydr. Depth (m)		0.43	
Conv. Total (m3/s)	46.0	Conv. (m3/s)		46.0	
Length Wtd. (m)	128.88	Wetted Per. (m)		6.08	
Min Ch El (m)	773.38	Shear (N/m2)		166.33	
Alpha	1.00	Stream Power (N/m s)		622.49	
Frctn Loss (m)	11.07	Cum Volume (1000 m3)		0.24	
C & E Loss (m)	0.19	Cum SA (1000 m2)		0.69	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=25

E.G. Elev (m)	775.03	Element	Left OB	Channel	Right OB
Vel Head (m)	0.85	Wt. n-Val.		0.030	
W.S. Elev (m)	774.18	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.47	Flow Area (m2)		3.24	
E.G. Slope (m/m)	0.041643	Area (m2)		3.24	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	6.69	Top Width (m)		6.69	
Vel Total (m/s)	4.09	Avg. Vel. (m/s)		4.09	
Max Chl Dpth (m)	0.80	Hydr. Depth (m)		0.48	
Conv. Total (m3/s)	64.9	Conv. (m3/s)		64.9	
Length Wtd. (m)	128.88	Wetted Per. (m)		6.94	
Min Ch El (m)	773.38	Shear (N/m2)		190.49	
Alpha	1.00	Stream Power (N/m s)		779.37	
Frctn Loss (m)	10.85	Cum Volume (1000 m3)		0.32	
C & E Loss (m)	0.21	Cum SA (1000 m2)		0.78	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=50

E.G. Elev (m)	775.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.95	Wt. n-Val.		0.030	
W.S. Elev (m)	774.26	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.57	Flow Area (m2)		3.82	
E.G. Slope (m/m)	0.041675	Area (m2)		3.82	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	7.27	Top Width (m)		7.27	
Vel Total (m/s)	4.32	Avg. Vel. (m/s)		4.32	
Max Chl Dpth (m)	0.88	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	80.8	Conv. (m3/s)		80.8	
Length Wtd. (m)	128.88	Wetted Per. (m)		7.54	
Min Ch El (m)	773.38	Shear (N/m2)		206.78	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=50 (Continued)

Alpha	1.00	Stream Power (N/m s)		893.46	
Frctn Loss (m)	10.70	Cum Volume (1000 m3)		0.38	
C & E Loss (m)	0.23	Cum SA (1000 m2)		0.85	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=100

E.G. Elev (m)	775.42	Element	Left OB	Channel	Right OB
Vel Head (m)	1.07	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	774.35	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.68	Flow Area (m2)	0.06	4.45	
E.G. Slope (m/m)	0.041844	Area (m2)	0.06	4.45	
Q Total (m3/s)	20.47	Flow (m3/s)	0.03	20.44	
Top Width (m)	9.88	Top Width (m)	2.12	7.76	
Vel Total (m/s)	4.54	Avg. Vel. (m/s)	0.60	4.59	
Max Chl Dpth (m)	0.97	Hydr. Depth (m)	0.03	0.57	
Conv. Total (m3/s)	100.1	Conv. (m3/s)	0.2	99.9	
Length Wtd. (m)	128.87	Wetted Per. (m)	2.12	8.06	
Min Ch El (m)	773.38	Shear (N/m2)	10.84	226.70	
Alpha	1.02	Stream Power (N/m s)	6.55	1040.74	
Frctn Loss (m)	11.60	Cum Volume (1000 m3)	0.00	0.47	
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.14	1.30	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=500

E.G. Elev (m)	775.98	Element	Left OB	Channel	Right OB
Vel Head (m)	1.50	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.49	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.93	Flow Area (m2)	0.42	5.57	0.01
E.G. Slope (m/m)	0.045994	Area (m2)	0.42	5.57	0.01
Q Total (m3/s)	31.33	Flow (m3/s)	0.80	30.52	0.01
Top Width (m)	11.39	Top Width (m)	3.05	8.00	0.33
Vel Total (m/s)	5.22	Avg. Vel. (m/s)	1.90	5.48	0.87
Max Chl Dpth (m)	1.11	Hydr. Depth (m)	0.14	0.70	0.04
Conv. Total (m3/s)	146.1	Conv. (m3/s)	3.7	142.3	0.1
Length Wtd. (m)	128.72	Wetted Per. (m)	3.07	8.30	0.34
Min Ch El (m)	773.38	Shear (N/m2)	61.71	302.65	19.24
Alpha	1.08	Stream Power (N/m s)	117.15	1658.26	16.79
Frctn Loss (m)	11.63	Cum Volume (1000 m3)	0.03	0.62	0.00
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.25	1.35	0.02

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=2

E.G. Elev (m)	762.77	Element	Left OB	Channel	Right OB
Vel Head (m)	2.04	Wt. n-Val.		0.030	
W.S. Elev (m)	760.73	Reach Len. (m)			
Crit W.S. (m)	761.03	Flow Area (m2)		0.58	
E.G. Slope (m/m)	0.386541	Area (m2)		0.58	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	3.35	Top Width (m)		3.35	
Vel Total (m/s)	6.32	Avg. Vel. (m/s)		6.32	
Max Chl Dpth (m)	0.34	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	5.9	Conv. (m3/s)		5.9	
Length Wtd. (m)		Wetted Per. (m)		3.42	
Min Ch El (m)	760.39	Shear (N/m2)		638.65	
Alpha	1.00	Stream Power (N/m s)		4037.42	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=5

E.G. Elev (m)	763.21	Element	Left OB	Channel	Right OB
Vel Head (m)	2.37	Wt. n-Val.		0.030	
W.S. Elev (m)	760.84	Reach Len. (m)			
Crit W.S. (m)	761.22	Flow Area (m2)		0.96	
E.G. Slope (m/m)	0.313513	Area (m2)		0.96	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	4.25	Top Width (m)		4.25	
Vel Total (m/s)	6.82	Avg. Vel. (m/s)		6.82	
Max Chl Dpth (m)	0.45	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	11.7	Conv. (m3/s)		11.7	
Length Wtd. (m)		Wetted Per. (m)		4.34	
Min Ch El (m)	760.39	Shear (N/m2)		679.59	
Alpha	1.00	Stream Power (N/m s)		4637.00	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=10

E.G. Elev (m)	763.52	Element	Left OB	Channel	Right OB
Vel Head (m)	2.61	Wt. n-Val.		0.030	
W.S. Elev (m)	760.91	Reach Len. (m)			
Crit W.S. (m)	761.30	Flow Area (m2)		1.31	
E.G. Slope (m/m)	0.275560	Area (m2)		1.31	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	4.89	Top Width (m)		4.89	
Vel Total (m/s)	7.15	Avg. Vel. (m/s)		7.15	
Max Chl Dpth (m)	0.52	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	17.8	Conv. (m3/s)		17.8	
Length Wtd. (m)		Wetted Per. (m)		5.00	
Min Ch El (m)	760.39	Shear (N/m2)		705.96	
Alpha	1.00	Stream Power (N/m s)		5048.18	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=25

E.G. Elev (m)	763.97	Element	Left OB	Channel	Right OB
Vel Head (m)	2.97	Wt. n-Val.		0.030	
W.S. Elev (m)	760.99	Reach Len. (m)			
Crit W.S. (m)	761.40	Flow Area (m2)		1.73	
E.G. Slope (m/m)	0.252173	Area (m2)		1.73	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	5.49	Top Width (m)		5.49	
Vel Total (m/s)	7.64	Avg. Vel. (m/s)		7.64	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	26.4	Conv. (m3/s)		26.4	
Length Wtd. (m)		Wetted Per. (m)		5.63	
Min Ch El (m)	760.39	Shear (N/m2)		761.94	
Alpha	1.00	Stream Power (N/m s)		5818.14	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=50

E.G. Elev (m)	764.29	Element	Left OB	Channel	Right OB
Vel Head (m)	3.23	Wt. n-Val.		0.030	
W.S. Elev (m)	761.05	Reach Len. (m)			
Crit W.S. (m)	761.47	Flow Area (m2)		2.07	
E.G. Slope (m/m)	0.239720	Area (m2)		2.07	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=50 (Continued)

Top Width (m)	5.92	Top Width (m)		5.92	
Vel Total (m/s)	7.96	Avg. Vel. (m/s)		7.96	
Max Chl Dpth (m)	0.66	Hydr. Depth (m)		0.35	
Conv. Total (m3/s)	33.7	Conv. (m3/s)		33.7	
Length Wtd. (m)		Wetted Per. (m)		6.08	
Min Ch El (m)	760.39	Shear (N/m2)		801.09	
Alpha	1.00	Stream Power (N/m s)		6378.49	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=100

E.G. Elev (m)	763.67	Element	Left OB	Channel	Right OB
Vel Head (m)	2.53	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.14	Reach Len. (m)			
Crit W.S. (m)	761.55	Flow Area (m2)	0.00	2.90	
E.G. Slope (m/m)	0.316604	Area (m2)	0.00	2.90	
Q Total (m3/s)	20.47	Flow (m3/s)	0.01	20.47	
Top Width (m)	12.70	Top Width (m)	0.28	12.42	
Vel Total (m/s)	7.04	Avg. Vel. (m/s)	1.16	7.05	
Max Chl Dpth (m)	0.75	Hydr. Depth (m)	0.02	0.23	
Conv. Total (m3/s)	36.4	Conv. (m3/s)	0.0	36.4	
Length Wtd. (m)		Wetted Per. (m)	0.28	12.61	
Min Ch El (m)	760.39	Shear (N/m2)	47.76	715.16	
Alpha	1.00	Stream Power (N/m s)	55.41	5040.25	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=500

E.G. Elev (m)	764.21	Element	Left OB	Channel	Right OB
Vel Head (m)	2.98	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.23	Reach Len. (m)			
Crit W.S. (m)	761.73	Flow Area (m2)	0.07	4.07	
E.G. Slope (m/m)	0.252170	Area (m2)	0.07	4.07	
Q Total (m3/s)	31.33	Flow (m3/s)	0.17	31.16	
Top Width (m)	14.04	Top Width (m)	1.10	12.94	
Vel Total (m/s)	7.58	Avg. Vel. (m/s)	2.58	7.66	
Max Chl Dpth (m)	0.84	Hydr. Depth (m)	0.06	0.31	
Conv. Total (m3/s)	62.4	Conv. (m3/s)	0.3	62.0	
Length Wtd. (m)		Wetted Per. (m)	1.10	13.15	
Min Ch El (m)	760.39	Shear (N/m2)	149.70	765.29	
Alpha	1.02	Stream Power (N/m s)	386.32	5860.94	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=2

E.G. Elev (m)	817.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	817.06	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.06	Flow Area (m2)		2.84	
E.G. Slope (m/m)	0.016364	Area (m2)		2.84	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	17.15	Top Width (m)		17.15	
Vel Total (m/s)	1.28	Avg. Vel. (m/s)		1.28	
Max Chl Dpth (m)	0.24	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	28.5	Conv. (m3/s)		28.5	
Length Wtd. (m)	95.85	Wetted Per. (m)		17.16	
Min Ch El (m)	816.82	Shear (N/m2)		26.51	
Alpha	1.00	Stream Power (N/m s)		34.03	
Frctn Loss (m)	1.55	Cum Volume (1000 m3)	0.01	1.67	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	6.61	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=5

E.G. Elev (m)	817.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	817.14	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.14	Flow Area (m2)		4.32	
E.G. Slope (m/m)	0.014603	Area (m2)		4.32	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	18.67	Top Width (m)		18.67	
Vel Total (m/s)	1.52	Avg. Vel. (m/s)		1.52	
Max Chl Dpth (m)	0.32	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	54.2	Conv. (m3/s)		54.2	
Length Wtd. (m)	95.85	Wetted Per. (m)		18.70	
Min Ch El (m)	816.82	Shear (N/m2)		33.08	
Alpha	1.00	Stream Power (N/m s)		50.16	
Frctn Loss (m)	1.42	Cum Volume (1000 m3)	0.04	2.72	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.59	8.92	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=10

E.G. Elev (m)	817.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	817.21	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.21	Flow Area (m2)		5.57	
E.G. Slope (m/m)	0.013611	Area (m2)		5.57	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	19.65	Top Width (m)		19.65	
Vel Total (m/s)	1.68	Avg. Vel. (m/s)		1.68	
Max Chl Dpth (m)	0.39	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	80.1	Conv. (m3/s)		80.1	
Length Wtd. (m)	95.85	Wetted Per. (m)		19.68	
Min Ch El (m)	816.82	Shear (N/m2)		37.78	
Alpha	1.00	Stream Power (N/m s)		63.34	
Frctn Loss (m)	1.32	Cum Volume (1000 m3)	0.13	3.51	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.02	9.51	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=25

E.G. Elev (m)	817.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	817.29	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.29	Flow Area (m2)		7.15	
E.G. Slope (m/m)	0.012846	Area (m2)		7.15	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=25 (Continued)

Top Width (m)	20.81	Top Width (m)		20.81	
Vel Total (m/s)	1.85	Avg. Vel. (m/s)		1.85	
Max Chl Dpth (m)	0.47	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	116.8	Conv. (m3/s)		116.8	
Length Wtd. (m)	95.85	Wetted Per. (m)		20.86	
Min Ch El (m)	816.82	Shear (N/m2)		43.20	
Alpha	1.00	Stream Power (N/m s)		79.96	
Frctn Loss (m)	1.23	Cum Volume (1000 m3)	0.21	4.54	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.19	10.22	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=50

E.G. Elev (m)	817.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	817.34	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.34	Flow Area (m2)		8.39	
E.G. Slope (m/m)	0.012283	Area (m2)		8.39	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	21.53	Top Width (m)		21.53	
Vel Total (m/s)	1.97	Avg. Vel. (m/s)		1.97	
Max Chl Dpth (m)	0.52	Hydr. Depth (m)		0.39	
Conv. Total (m3/s)	148.8	Conv. (m3/s)		148.8	
Length Wtd. (m)	95.87	Wetted Per. (m)		21.59	
Min Ch El (m)	816.82	Shear (N/m2)		46.78	
Alpha	1.00	Stream Power (N/m s)		92.00	
Frctn Loss (m)	1.15	Cum Volume (1000 m3)	0.27	5.31	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.39	10.56	0.08

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=100

E.G. Elev (m)	817.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	817.41	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.41	Flow Area (m2)	0.00	9.76	
E.G. Slope (m/m)	0.011814	Area (m2)	0.00	9.76	
Q Total (m3/s)	20.47	Flow (m3/s)	0.00	20.47	
Top Width (m)	22.20	Top Width (m)	0.11	22.09	
Vel Total (m/s)	2.10	Avg. Vel. (m/s)	0.15	2.10	
Max Chl Dpth (m)	0.59	Hydr. Depth (m)	0.01	0.44	
Conv. Total (m3/s)	188.3	Conv. (m3/s)	0.0	188.3	
Length Wtd. (m)	95.90	Wetted Per. (m)	0.11	22.16	
Min Ch El (m)	816.82	Shear (N/m2)	0.94	51.02	
Alpha	1.00	Stream Power (N/m s)	0.14	107.00	
Frctn Loss (m)	1.08	Cum Volume (1000 m3)	0.36	6.20	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.58	10.93	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=500

E.G. Elev (m)	817.85	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	817.56	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.56	Flow Area (m2)	0.09	13.10	0.00
E.G. Slope (m/m)	0.010608	Area (m2)	0.09	13.10	0.00
Q Total (m3/s)	31.33	Flow (m3/s)	0.06	31.27	0.00
Top Width (m)	23.71	Top Width (m)	1.08	22.50	0.13
Vel Total (m/s)	2.38	Avg. Vel. (m/s)	0.65	2.39	0.30
Max Chl Dpth (m)	0.74	Hydr. Depth (m)	0.08	0.58	0.03
Conv. Total (m3/s)	304.2	Conv. (m3/s)	0.6	303.6	0.0
Length Wtd. (m)	95.99	Wetted Per. (m)	1.09	22.58	0.14
Min Ch El (m)	816.82	Shear (N/m2)	8.51	60.33	2.66

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=500 (Continued)

Alpha	1.01	Stream Power (N/m s)	5.50	144.06	0.79
Frctn Loss (m)	0.98	Cum Volume (1000 m3)	0.60	8.41	0.04
C & E Loss (m)	0.01	Cum SA (1000 m2)	2.06	11.68	0.12

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=2

E.G. Elev (m)	815.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	815.29	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.29	Flow Area (m2)		2.66	
E.G. Slope (m/m)	0.015947	Area (m2)		2.66	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	14.37	Top Width (m)		14.37	
Vel Total (m/s)	1.37	Avg. Vel. (m/s)		1.37	
Max Chl Dpth (m)	0.36	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	28.8	Conv. (m3/s)		28.8	
Length Wtd. (m)	74.75	Wetted Per. (m)		14.40	
Min Ch El (m)	814.93	Shear (N/m2)		28.93	
Alpha	1.00	Stream Power (N/m s)		39.53	
Frctn Loss (m)	1.17	Cum Volume (1000 m3)	0.01	1.41	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	5.10	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=5

E.G. Elev (m)	815.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	815.39	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.39	Flow Area (m2)		4.28	
E.G. Slope (m/m)	0.015078	Area (m2)		4.28	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	18.72	Top Width (m)		18.72	
Vel Total (m/s)	1.53	Avg. Vel. (m/s)		1.53	
Max Chl Dpth (m)	0.46	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	53.3	Conv. (m3/s)		53.3	
Length Wtd. (m)	74.75	Wetted Per. (m)		18.76	
Min Ch El (m)	814.93	Shear (N/m2)		33.76	
Alpha	1.00	Stream Power (N/m s)		51.62	
Frctn Loss (m)	1.07	Cum Volume (1000 m3)	0.04	2.30	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.59	7.13	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=10

E.G. Elev (m)	815.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	815.46	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.46	Flow Area (m2)		5.59	
E.G. Slope (m/m)	0.013995	Area (m2)		5.59	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	20.19	Top Width (m)		20.19	
Vel Total (m/s)	1.67	Avg. Vel. (m/s)		1.67	
Max Chl Dpth (m)	0.53	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	79.0	Conv. (m3/s)		79.0	
Length Wtd. (m)	74.75	Wetted Per. (m)		20.24	
Min Ch El (m)	814.93	Shear (N/m2)		37.88	
Alpha	1.00	Stream Power (N/m s)		63.33	
Frctn Loss (m)	1.01	Cum Volume (1000 m3)	0.13	2.98	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.02	7.60	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=25

E.G. Elev (m)	815.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.54	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.54	Flow Area (m2)	0.03	7.19	
E.G. Slope (m/m)	0.012864	Area (m2)	0.03	7.19	
Q Total (m3/s)	13.24	Flow (m3/s)	0.01	13.23	
Top Width (m)	22.31	Top Width (m)	1.24	21.08	
Vel Total (m/s)	1.84	Avg. Vel. (m/s)	0.31	1.84	
Max Chl Dpth (m)	0.61	Hydr. Depth (m)	0.02	0.34	
Conv. Total (m3/s)	116.7	Conv. (m3/s)	0.1	116.7	
Length Wtd. (m)	74.75	Wetted Per. (m)	1.24	21.14	
Min Ch El (m)	814.93	Shear (N/m2)	2.96	42.88	
Alpha	1.01	Stream Power (N/m s)	0.92	78.97	
Frctn Loss (m)	0.94	Cum Volume (1000 m3)	0.20	3.85	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.13	8.22	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=50

E.G. Elev (m)	815.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.60	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.60	Flow Area (m2)	0.15	8.46	
E.G. Slope (m/m)	0.011671	Area (m2)	0.15	8.46	
Q Total (m3/s)	16.49	Flow (m3/s)	0.08	16.41	
Top Width (m)	24.05	Top Width (m)	2.75	21.30	
Vel Total (m/s)	1.92	Avg. Vel. (m/s)	0.51	1.94	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)	0.05	0.40	
Conv. Total (m3/s)	152.6	Conv. (m3/s)	0.7	151.9	
Length Wtd. (m)	74.77	Wetted Per. (m)	2.76	21.37	
Min Ch El (m)	814.93	Shear (N/m2)	6.19	45.29	
Alpha	1.02	Stream Power (N/m s)	3.19	87.92	
Frctn Loss (m)	0.88	Cum Volume (1000 m3)	0.26	4.51	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.25	8.51	0.08

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=100

E.G. Elev (m)	815.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.66	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.66	Flow Area (m2)	0.37	9.84	
E.G. Slope (m/m)	0.010824	Area (m2)	0.37	9.84	
Q Total (m3/s)	20.47	Flow (m3/s)	0.27	20.20	
Top Width (m)	25.47	Top Width (m)	3.93	21.54	
Vel Total (m/s)	2.00	Avg. Vel. (m/s)	0.72	2.05	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)	0.09	0.46	
Conv. Total (m3/s)	196.8	Conv. (m3/s)	2.6	194.2	
Length Wtd. (m)	74.81	Wetted Per. (m)	3.94	21.62	
Min Ch El (m)	814.93	Shear (N/m2)	10.05	48.33	
Alpha	1.04	Stream Power (N/m s)	7.24	99.20	
Frctn Loss (m)	0.82	Cum Volume (1000 m3)	0.34	5.26	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.37	8.84	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=500

E.G. Elev (m)	816.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.81	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.81	Flow Area (m2)	1.06	13.02	
E.G. Slope (m/m)	0.009834	Area (m2)	1.06	13.02	
Q Total (m3/s)	31.33	Flow (m3/s)	1.17	30.16	

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=500 (Continued)

Top Width (m)	27.62	Top Width (m)	5.55	22.08	
Vel Total (m/s)	2.23	Avg. Vel. (m/s)	1.10	2.32	
Max Chl Dpth (m)	0.88	Hydr. Depth (m)	0.19	0.59	
Conv. Total (m3/s)	315.9	Conv. (m3/s)	11.8	304.2	
Length Wtd. (m)	74.92	Wetted Per. (m)	5.56	22.17	
Min Ch El (m)	814.93	Shear (N/m2)	18.44	56.61	
Alpha	1.05	Stream Power (N/m s)	20.22	131.18	
Frctn Loss (m)	0.76	Cum Volume (1000 m3)	0.54	7.15	0.04
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.72	9.55	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=2

E.G. Elev (m)	813.86	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	813.75	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.75	Flow Area (m2)		2.49	
E.G. Slope (m/m)	0.015352	Area (m2)		2.49	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	11.76	Top Width (m)		11.76	
Vel Total (m/s)	1.46	Avg. Vel. (m/s)		1.46	
Max Chl Dpth (m)	0.49	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	29.4	Conv. (m3/s)		29.4	
Length Wtd. (m)	84.46	Wetted Per. (m)		11.82	
Min Ch El (m)	813.26	Shear (N/m2)		31.71	
Alpha	1.00	Stream Power (N/m s)		46.37	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)	0.01	1.22	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	4.12	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=5

E.G. Elev (m)	814.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	813.86	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.86	Flow Area (m2)		3.87	
E.G. Slope (m/m)	0.013722	Area (m2)		3.87	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	13.49	Top Width (m)		13.49	
Vel Total (m/s)	1.69	Avg. Vel. (m/s)		1.69	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	55.9	Conv. (m3/s)		55.9	
Length Wtd. (m)	84.46	Wetted Per. (m)		13.57	
Min Ch El (m)	813.26	Shear (N/m2)		38.39	
Alpha	1.00	Stream Power (N/m s)		64.97	
Frctn Loss (m)	1.10	Cum Volume (1000 m3)	0.04	2.00	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.59	5.93	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=10

E.G. Elev (m)	814.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	813.94	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.94	Flow Area (m2)		5.07	
E.G. Slope (m/m)	0.012929	Area (m2)		5.07	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	14.86	Top Width (m)		14.86	
Vel Total (m/s)	1.84	Avg. Vel. (m/s)		1.84	
Max Chl Dpth (m)	0.68	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	82.1	Conv. (m3/s)		82.1	
Length Wtd. (m)	84.46	Wetted Per. (m)		14.95	
Min Ch El (m)	813.26	Shear (N/m2)		42.99	

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=10 (Continued)

Alpha	1.00	Stream Power (N/m s)		79.22	
Frctn Loss (m)	1.04	Cum Volume (1000 m3)	0.13	2.58	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.02	6.29	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=25

E.G. Elev (m)	814.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.		0.030	
W.S. Elev (m)	814.04	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.04	Flow Area (m2)		6.58	
E.G. Slope (m/m)	0.012258	Area (m2)		6.58	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	16.26	Top Width (m)		16.26	
Vel Total (m/s)	2.01	Avg. Vel. (m/s)		2.01	
Max Chl Dpth (m)	0.78	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	119.6	Conv. (m3/s)		119.6	
Length Wtd. (m)	84.46	Wetted Per. (m)		16.36	
Min Ch El (m)	813.26	Shear (N/m2)		48.36	
Alpha	1.00	Stream Power (N/m s)		97.27	
Frctn Loss (m)	0.99	Cum Volume (1000 m3)	0.20	3.33	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.08	6.82	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=50

E.G. Elev (m)	814.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	814.11	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.11	Flow Area (m2)		7.77	
E.G. Slope (m/m)	0.011792	Area (m2)		7.77	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	17.21	Top Width (m)		17.21	
Vel Total (m/s)	2.12	Avg. Vel. (m/s)		2.12	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)		0.45	
Conv. Total (m3/s)	151.9	Conv. (m3/s)		151.9	
Length Wtd. (m)	84.46	Wetted Per. (m)		17.32	
Min Ch El (m)	813.26	Shear (N/m2)		51.88	
Alpha	1.00	Stream Power (N/m s)		110.07	
Frctn Loss (m)	0.95	Cum Volume (1000 m3)	0.26	3.90	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.13	7.07	0.08

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=100

E.G. Elev (m)	814.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	814.19	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.19	Flow Area (m2)		9.22	
E.G. Slope (m/m)	0.011213	Area (m2)		9.22	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	18.34	Top Width (m)		18.34	
Vel Total (m/s)	2.22	Avg. Vel. (m/s)		2.22	
Max Chl Dpth (m)	0.93	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	193.3	Conv. (m3/s)		193.3	
Length Wtd. (m)	84.46	Wetted Per. (m)		18.47	
Min Ch El (m)	813.26	Shear (N/m2)		54.87	
Alpha	1.00	Stream Power (N/m s)		121.86	
Frctn Loss (m)	0.92	Cum Volume (1000 m3)	0.32	4.55	0.02
C & E Loss (m)	0.02	Cum SA (1000 m2)	1.21	7.35	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=500

E.G. Elev (m)	814.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.		0.030	
W.S. Elev (m)	814.37	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.37	Flow Area (m2)		12.79	
E.G. Slope (m/m)	0.010521	Area (m2)		12.79	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	20.95	Top Width (m)		20.95	
Vel Total (m/s)	2.45	Avg. Vel. (m/s)		2.45	
Max Chl Dpth (m)	1.11	Hydr. Depth (m)		0.61	
Conv. Total (m3/s)	305.4	Conv. (m3/s)		305.4	
Length Wtd. (m)	84.46	Wetted Per. (m)		21.10	
Min Ch El (m)	813.26	Shear (N/m2)		62.54	
Alpha	1.00	Stream Power (N/m s)		153.17	
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	0.50	6.19	0.04
C & E Loss (m)	0.02	Cum SA (1000 m2)	1.48	7.94	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=2

E.G. Elev (m)	810.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	810.06	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.06	Flow Area (m2)		2.07	
E.G. Slope (m/m)	0.014090	Area (m2)		2.07	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	6.68	Top Width (m)		6.68	
Vel Total (m/s)	1.76	Avg. Vel. (m/s)		1.76	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	30.7	Conv. (m3/s)		30.7	
Length Wtd. (m)	90.93	Wetted Per. (m)		6.95	
Min Ch El (m)	809.30	Shear (N/m2)		41.08	
Alpha	1.00	Stream Power (N/m s)		72.39	
Frctn Loss (m)	1.25	Cum Volume (1000 m3)	0.01	1.03	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.06	3.34	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=5

E.G. Elev (m)	810.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	810.22	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.22	Flow Area (m2)		3.15	
E.G. Slope (m/m)	0.012441	Area (m2)		3.15	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	7.17	Top Width (m)		7.17	
Vel Total (m/s)	2.08	Avg. Vel. (m/s)		2.08	
Max Chl Dpth (m)	0.92	Hydr. Depth (m)		0.44	
Conv. Total (m3/s)	58.7	Conv. (m3/s)		58.7	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.53	
Min Ch El (m)	809.30	Shear (N/m2)		51.03	
Alpha	1.00	Stream Power (N/m s)		106.12	
Frctn Loss (m)	1.12	Cum Volume (1000 m3)	0.04	1.70	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.59	5.05	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=10

E.G. Elev (m)	810.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	810.34	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.34	Flow Area (m2)		4.05	
E.G. Slope (m/m)	0.011797	Area (m2)		4.05	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=10 (Continued)

Top Width (m)	7.55	Top Width (m)		7.55	
Vel Total (m/s)	2.30	Avg. Vel. (m/s)		2.30	
Max Chl Dpth (m)	1.04	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	86.0	Conv. (m3/s)		86.0	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.99	
Min Ch El (m)	809.30	Shear (N/m2)		58.72	
Alpha	1.00	Stream Power (N/m s)		135.28	
Frctn Loss (m)	1.07	Cum Volume (1000 m3)	0.13	2.19	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.02	5.35	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=25

E.G. Elev (m)	810.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.33	Wt. n-Val.		0.030	
W.S. Elev (m)	810.49	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.49	Flow Area (m2)		5.22	
E.G. Slope (m/m)	0.011144	Area (m2)		5.22	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	8.01	Top Width (m)		8.01	
Vel Total (m/s)	2.53	Avg. Vel. (m/s)		2.53	
Max Chl Dpth (m)	1.19	Hydr. Depth (m)		0.65	
Conv. Total (m3/s)	125.4	Conv. (m3/s)		125.4	
Length Wtd. (m)	90.93	Wetted Per. (m)		8.55	
Min Ch El (m)	809.30	Shear (N/m2)		66.80	
Alpha	1.00	Stream Power (N/m s)		169.31	
Frctn Loss (m)	1.01	Cum Volume (1000 m3)	0.20	2.84	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.08	5.80	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=50

E.G. Elev (m)	810.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	
W.S. Elev (m)	810.60	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.60	Flow Area (m2)		6.13	
E.G. Slope (m/m)	0.010777	Area (m2)		6.13	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	8.36	Top Width (m)		8.36	
Vel Total (m/s)	2.69	Avg. Vel. (m/s)		2.69	
Max Chl Dpth (m)	1.30	Hydr. Depth (m)		0.73	
Conv. Total (m3/s)	158.8	Conv. (m3/s)		158.8	
Length Wtd. (m)	90.93	Wetted Per. (m)		8.96	
Min Ch El (m)	809.30	Shear (N/m2)		72.36	
Alpha	1.00	Stream Power (N/m s)		194.53	
Frctn Loss (m)	0.98	Cum Volume (1000 m3)	0.26	3.31	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.13	5.99	0.08

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=100

E.G. Elev (m)	811.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.		0.030	
W.S. Elev (m)	810.72	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.72	Flow Area (m2)		7.14	
E.G. Slope (m/m)	0.010663	Area (m2)		7.14	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	8.73	Top Width (m)		8.73	
Vel Total (m/s)	2.87	Avg. Vel. (m/s)		2.87	
Max Chl Dpth (m)	1.42	Hydr. Depth (m)		0.82	
Conv. Total (m3/s)	198.2	Conv. (m3/s)		198.2	
Length Wtd. (m)	90.93	Wetted Per. (m)		9.40	
Min Ch El (m)	809.30	Shear (N/m2)		79.47	

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=100 (Continued)

Alpha	1.00	Stream Power (N/m s)		227.79	
Frctn Loss (m)	0.96	Cum Volume (1000 m3)	0.32	3.86	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.21	6.20	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=500

E.G. Elev (m)	811.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.51	Wt. n-Val.		0.030	
W.S. Elev (m)	811.02	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	811.02	Flow Area (m2)		9.92	
E.G. Slope (m/m)	0.009998	Area (m2)		9.92	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	9.93	Top Width (m)		9.93	
Vel Total (m/s)	3.16	Avg. Vel. (m/s)		3.16	
Max Chl Dpth (m)	1.72	Hydr. Depth (m)		1.00	
Conv. Total (m3/s)	313.3	Conv. (m3/s)		313.3	
Length Wtd. (m)	90.93	Wetted Per. (m)		10.77	
Min Ch El (m)	809.30	Shear (N/m2)		90.38	
Alpha	1.00	Stream Power (N/m s)		285.33	
Frctn Loss (m)	0.90	Cum Volume (1000 m3)	0.50	5.23	0.04
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.48	6.64	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=2

E.G. Elev (m)	806.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.		0.030	
W.S. Elev (m)	806.34	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.34	Flow Area (m2)		1.80	
E.G. Slope (m/m)	0.013318	Area (m2)		1.80	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	4.40	Top Width (m)		4.40	
Vel Total (m/s)	2.03	Avg. Vel. (m/s)		2.03	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.41	
Conv. Total (m3/s)	31.5	Conv. (m3/s)		31.5	
Length Wtd. (m)	115.71	Wetted Per. (m)		4.70	
Min Ch El (m)	805.58	Shear (N/m2)		49.90	
Alpha	1.00	Stream Power (N/m s)		101.06	
Frctn Loss (m)	1.54	Cum Volume (1000 m3)	0.01	0.85	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.06	2.84	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=5

E.G. Elev (m)	806.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	806.55	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.55	Flow Area (m2)		2.86	
E.G. Slope (m/m)	0.012243	Area (m2)		2.86	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	5.44	Top Width (m)		5.44	
Vel Total (m/s)	2.29	Avg. Vel. (m/s)		2.29	
Max Chl Dpth (m)	0.97	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	59.2	Conv. (m3/s)		59.2	
Length Wtd. (m)	115.71	Wetted Per. (m)		5.84	
Min Ch El (m)	805.58	Shear (N/m2)		58.79	
Alpha	1.00	Stream Power (N/m s)		134.72	
Frctn Loss (m)	1.42	Cum Volume (1000 m3)	0.04	1.43	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.59	4.48	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=10

E.G. Elev (m)	807.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.		0.030	
W.S. Elev (m)	806.70	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.70	Flow Area (m2)		3.73	
E.G. Slope (m/m)	0.011682	Area (m2)		3.73	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	5.96	Top Width (m)		5.96	
Vel Total (m/s)	2.50	Avg. Vel. (m/s)		2.50	
Max Chl Dpth (m)	1.12	Hydr. Depth (m)		0.63	
Conv. Total (m3/s)	86.4	Conv. (m3/s)		86.4	
Length Wtd. (m)	115.71	Wetted Per. (m)		6.45	
Min Ch El (m)	805.58	Shear (N/m2)		66.28	
Alpha	1.00	Stream Power (N/m s)		165.81	
Frctn Loss (m)	1.35	Cum Volume (1000 m3)	0.13	1.84	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.02	4.73	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=25

E.G. Elev (m)	807.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	
W.S. Elev (m)	806.88	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.88	Flow Area (m2)		4.84	
E.G. Slope (m/m)	0.011162	Area (m2)		4.84	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	6.46	Top Width (m)		6.46	
Vel Total (m/s)	2.74	Avg. Vel. (m/s)		2.74	
Max Chl Dpth (m)	1.30	Hydr. Depth (m)		0.75	
Conv. Total (m3/s)	125.3	Conv. (m3/s)		125.3	
Length Wtd. (m)	115.71	Wetted Per. (m)		7.07	
Min Ch El (m)	805.58	Shear (N/m2)		74.97	
Alpha	1.00	Stream Power (N/m s)		205.13	
Frctn Loss (m)	1.28	Cum Volume (1000 m3)	0.20	2.38	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.08	5.14	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=50

E.G. Elev (m)	807.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.		0.030	
W.S. Elev (m)	807.02	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.02	Flow Area (m2)		5.72	
E.G. Slope (m/m)	0.010745	Area (m2)		5.72	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	6.83	Top Width (m)		6.83	
Vel Total (m/s)	2.88	Avg. Vel. (m/s)		2.88	
Max Chl Dpth (m)	1.44	Hydr. Depth (m)		0.84	
Conv. Total (m3/s)	159.1	Conv. (m3/s)		159.1	
Length Wtd. (m)	115.71	Wetted Per. (m)		7.52	
Min Ch El (m)	805.58	Shear (N/m2)		80.20	
Alpha	1.00	Stream Power (N/m s)		231.01	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)	0.26	2.77	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.13	5.30	0.08

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=100

E.G. Elev (m)	807.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.47	Wt. n-Val.		0.030	
W.S. Elev (m)	807.16	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.16	Flow Area (m2)		6.75	
E.G. Slope (m/m)	0.010419	Area (m2)		6.75	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=100 (Continued)

Top Width (m)	7.23	Top Width (m)		7.23	
Vel Total (m/s)	3.03	Avg. Vel. (m/s)		3.03	
Max Chl Dpth (m)	1.58	Hydr. Depth (m)		0.93	
Conv. Total (m3/s)	200.5	Conv. (m3/s)		200.5	
Length Wtd. (m)	115.71	Wetted Per. (m)		8.02	
Min Ch El (m)	805.58	Shear (N/m2)		85.99	
Alpha	1.00	Stream Power (N/m s)		260.79	
Frctn Loss (m)	1.20	Cum Volume (1000 m3)	0.32	3.23	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.21	5.48	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=500

E.G. Elev (m)	808.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.57	Wt. n-Val.		0.030	
W.S. Elev (m)	807.50	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.50	Flow Area (m2)		9.34	
E.G. Slope (m/m)	0.009870	Area (m2)		9.34	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	8.16	Top Width (m)		8.16	
Vel Total (m/s)	3.35	Avg. Vel. (m/s)		3.35	
Max Chl Dpth (m)	1.92	Hydr. Depth (m)		1.14	
Conv. Total (m3/s)	315.3	Conv. (m3/s)		315.3	
Length Wtd. (m)	115.71	Wetted Per. (m)		9.17	
Min Ch El (m)	805.58	Shear (N/m2)		98.60	
Alpha	1.00	Stream Power (N/m s)		330.60	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)	0.50	4.35	0.04
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.48	5.81	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=2

E.G. Elev (m)	791.89	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	791.71	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.71	Flow Area (m2)		1.93	
E.G. Slope (m/m)	0.013368	Area (m2)		1.93	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	5.42	Top Width (m)		5.42	
Vel Total (m/s)	1.89	Avg. Vel. (m/s)		1.89	
Max Chl Dpth (m)	0.53	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	31.5	Conv. (m3/s)		31.5	
Length Wtd. (m)	107.02	Wetted Per. (m)		5.64	
Min Ch El (m)	791.18	Shear (N/m2)		44.85	
Alpha	1.00	Stream Power (N/m s)		84.57	
Frctn Loss (m)	1.42	Cum Volume (1000 m3)	0.01	0.64	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	2.27	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=5

E.G. Elev (m)	792.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.		0.030	
W.S. Elev (m)	791.90	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.90	Flow Area (m2)		3.05	
E.G. Slope (m/m)	0.012327	Area (m2)		3.05	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	6.59	Top Width (m)		6.59	
Vel Total (m/s)	2.15	Avg. Vel. (m/s)		2.15	
Max Chl Dpth (m)	0.72	Hydr. Depth (m)		0.46	
Conv. Total (m3/s)	59.0	Conv. (m3/s)		59.0	
Length Wtd. (m)	107.02	Wetted Per. (m)		6.89	
Min Ch El (m)	791.18	Shear (N/m2)		53.49	

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		114.96	
Frctn Loss (m)	1.31	Cum Volume (1000 m3)	0.04	1.09	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.59	3.79	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=10

E.G. Elev (m)	792.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.28	Wt. n-Val.		0.030	
W.S. Elev (m)	792.03	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.03	Flow Area (m2)		3.99	
E.G. Slope (m/m)	0.011682	Area (m2)		3.99	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	7.25	Top Width (m)		7.25	
Vel Total (m/s)	2.34	Avg. Vel. (m/s)		2.34	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)		0.55	
Conv. Total (m3/s)	86.4	Conv. (m3/s)		86.4	
Length Wtd. (m)	107.02	Wetted Per. (m)		7.61	
Min Ch El (m)	791.18	Shear (N/m2)		60.02	
Alpha	1.00	Stream Power (N/m s)		140.52	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)	0.13	1.39	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.02	3.97	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=25

E.G. Elev (m)	792.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	792.19	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.19	Flow Area (m2)		5.15	
E.G. Slope (m/m)	0.010933	Area (m2)		5.15	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	7.64	Top Width (m)		7.64	
Vel Total (m/s)	2.57	Avg. Vel. (m/s)		2.57	
Max Chl Dpth (m)	1.01	Hydr. Depth (m)		0.67	
Conv. Total (m3/s)	126.6	Conv. (m3/s)		126.6	
Length Wtd. (m)	107.02	Wetted Per. (m)		8.12	
Min Ch El (m)	791.18	Shear (N/m2)		67.98	
Alpha	1.00	Stream Power (N/m s)		174.88	
Frctn Loss (m)	1.17	Cum Volume (1000 m3)	0.20	1.80	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.08	4.32	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=50

E.G. Elev (m)	792.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	
W.S. Elev (m)	792.30	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.30	Flow Area (m2)		6.00	
E.G. Slope (m/m)	0.010744	Area (m2)		6.00	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	7.92	Top Width (m)		7.92	
Vel Total (m/s)	2.75	Avg. Vel. (m/s)		2.75	
Max Chl Dpth (m)	1.12	Hydr. Depth (m)		0.76	
Conv. Total (m3/s)	159.1	Conv. (m3/s)		159.1	
Length Wtd. (m)	107.02	Wetted Per. (m)		8.47	
Min Ch El (m)	791.18	Shear (N/m2)		74.67	
Alpha	1.00	Stream Power (N/m s)		205.07	
Frctn Loss (m)	1.15	Cum Volume (1000 m3)	0.26	2.09	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.13	4.45	0.08

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=100

E.G. Elev (m)	792.86	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.		0.030	
W.S. Elev (m)	792.43	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.43	Flow Area (m2)		7.06	
E.G. Slope (m/m)	0.010287	Area (m2)		7.06	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	8.25	Top Width (m)		8.25	
Vel Total (m/s)	2.90	Avg. Vel. (m/s)		2.90	
Max Chl Dpth (m)	1.25	Hydr. Depth (m)		0.86	
Conv. Total (m3/s)	201.8	Conv. (m3/s)		201.8	
Length Wtd. (m)	107.02	Wetted Per. (m)		8.89	
Min Ch El (m)	791.18	Shear (N/m2)		80.09	
Alpha	1.00	Stream Power (N/m s)		232.15	
Frctn Loss (m)	1.11	Cum Volume (1000 m3)	0.32	2.43	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.21	4.58	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=500

E.G. Elev (m)	793.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.		0.030	
W.S. Elev (m)	792.72	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.72	Flow Area (m2)		9.60	
E.G. Slope (m/m)	0.009896	Area (m2)		9.60	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	8.99	Top Width (m)		8.99	
Vel Total (m/s)	3.26	Avg. Vel. (m/s)		3.26	
Max Chl Dpth (m)	1.54	Hydr. Depth (m)		1.07	
Conv. Total (m3/s)	314.9	Conv. (m3/s)		314.9	
Length Wtd. (m)	107.02	Wetted Per. (m)		9.84	
Min Ch El (m)	791.18	Shear (N/m2)		94.70	
Alpha	1.00	Stream Power (N/m s)		308.95	
Frctn Loss (m)	1.05	Cum Volume (1000 m3)	0.50	3.26	0.04
C & E Loss (m)	0.02	Cum SA (1000 m2)	1.48	4.82	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=2

E.G. Elev (m)	778.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	778.43	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.43	Flow Area (m2)		1.87	
E.G. Slope (m/m)	0.013152	Area (m2)		1.87	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	4.99	Top Width (m)		4.99	
Vel Total (m/s)	1.94	Avg. Vel. (m/s)		1.94	
Max Chl Dpth (m)	0.64	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	31.7	Conv. (m3/s)		31.7	
Length Wtd. (m)	100.52	Wetted Per. (m)		5.18	
Min Ch El (m)	777.79	Shear (N/m2)		46.68	
Alpha	1.00	Stream Power (N/m s)		90.62	
Frctn Loss (m)	1.41	Cum Volume (1000 m3)	0.01	0.43	0.00
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.06	1.71	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=5

E.G. Elev (m)	778.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	778.62	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.62	Flow Area (m2)		2.92	
E.G. Slope (m/m)	0.012109	Area (m2)		2.92	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=5 (Continued)

Top Width (m)	5.83	Top Width (m)		5.83	
Vel Total (m/s)	2.24	Avg. Vel. (m/s)		2.24	
Max Chl Dpth (m)	0.83	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	59.5	Conv. (m3/s)		59.5	
Length Wtd. (m)	100.52	Wetted Per. (m)		6.11	
Min Ch El (m)	777.79	Shear (N/m2)		56.77	
Alpha	1.00	Stream Power (N/m s)		127.31	
Frctn Loss (m)	1.36	Cum Volume (1000 m3)	0.04	0.77	0.01
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.59	3.12	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=10

E.G. Elev (m)	779.08	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	
W.S. Elev (m)	778.77	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.77	Flow Area (m2)		3.83	
E.G. Slope (m/m)	0.011514	Area (m2)		3.83	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	6.47	Top Width (m)		6.47	
Vel Total (m/s)	2.44	Avg. Vel. (m/s)		2.44	
Max Chl Dpth (m)	0.98	Hydr. Depth (m)		0.59	
Conv. Total (m3/s)	87.0	Conv. (m3/s)		87.0	
Length Wtd. (m)	100.52	Wetted Per. (m)		6.82	
Min Ch El (m)	777.79	Shear (N/m2)		63.48	
Alpha	1.00	Stream Power (N/m s)		154.68	
Frctn Loss (m)	1.31	Cum Volume (1000 m3)	0.13	0.97	0.01
C & E Loss (m)	0.05	Cum SA (1000 m2)	1.02	3.24	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=25

E.G. Elev (m)	779.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	778.96	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.96	Flow Area (m2)		5.10	
E.G. Slope (m/m)	0.010902	Area (m2)		5.10	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	7.51	Top Width (m)		7.51	
Vel Total (m/s)	2.60	Avg. Vel. (m/s)		2.60	
Max Chl Dpth (m)	1.17	Hydr. Depth (m)		0.68	
Conv. Total (m3/s)	126.8	Conv. (m3/s)		126.8	
Length Wtd. (m)	100.52	Wetted Per. (m)		7.92	
Min Ch El (m)	777.79	Shear (N/m2)		68.84	
Alpha	1.00	Stream Power (N/m s)		178.64	
Frctn Loss (m)	1.20	Cum Volume (1000 m3)	0.20	1.25	0.02
C & E Loss (m)	0.06	Cum SA (1000 m2)	1.08	3.51	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=50

E.G. Elev (m)	779.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	
W.S. Elev (m)	779.08	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.08	Flow Area (m2)		6.11	
E.G. Slope (m/m)	0.010698	Area (m2)		6.11	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	8.35	Top Width (m)		8.35	
Vel Total (m/s)	2.70	Avg. Vel. (m/s)		2.70	
Max Chl Dpth (m)	1.29	Hydr. Depth (m)		0.73	
Conv. Total (m3/s)	159.4	Conv. (m3/s)		159.4	
Length Wtd. (m)	100.52	Wetted Per. (m)		8.81	
Min Ch El (m)	777.79	Shear (N/m2)		72.73	

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=50 (Continued)

Alpha	1.00	Stream Power (N/m s)		196.43	
Frctn Loss (m)	1.16	Cum Volume (1000 m3)	0.26	1.45	0.02
C & E Loss (m)	0.06	Cum SA (1000 m2)	1.13	3.58	0.08

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=100

E.G. Elev (m)	779.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.		0.030	
W.S. Elev (m)	779.22	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.22	Flow Area (m2)		7.30	
E.G. Slope (m/m)	0.010398	Area (m2)		7.30	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	9.25	Top Width (m)		9.25	
Vel Total (m/s)	2.80	Avg. Vel. (m/s)		2.80	
Max Chl Dpth (m)	1.43	Hydr. Depth (m)		0.79	
Conv. Total (m3/s)	200.7	Conv. (m3/s)		200.7	
Length Wtd. (m)	100.52	Wetted Per. (m)		9.76	
Min Ch El (m)	777.79	Shear (N/m2)		76.33	
Alpha	1.00	Stream Power (N/m s)		213.91	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)	0.32	1.66	0.02
C & E Loss (m)	0.06	Cum SA (1000 m2)	1.21	3.65	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=500

E.G. Elev (m)	779.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.48	Wt. n-Val.		0.030	
W.S. Elev (m)	779.51	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.51	Flow Area (m2)		10.18	
E.G. Slope (m/m)	0.009687	Area (m2)		10.18	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	10.56	Top Width (m)		10.56	
Vel Total (m/s)	3.08	Avg. Vel. (m/s)		3.08	
Max Chl Dpth (m)	1.72	Hydr. Depth (m)		0.96	
Conv. Total (m3/s)	318.3	Conv. (m3/s)		318.3	
Length Wtd. (m)	100.52	Wetted Per. (m)		11.20	
Min Ch El (m)	777.79	Shear (N/m2)		86.32	
Alpha	1.00	Stream Power (N/m s)		265.69	
Frctn Loss (m)	1.06	Cum Volume (1000 m3)	0.50	2.20	0.04
C & E Loss (m)	0.07	Cum SA (1000 m2)	1.48	3.77	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=2

E.G. Elev (m)	771.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	771.82	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.82	Flow Area (m2)		2.47	
E.G. Slope (m/m)	0.015034	Area (m2)		2.47	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	11.35	Top Width (m)		11.35	
Vel Total (m/s)	1.47	Avg. Vel. (m/s)		1.47	
Max Chl Dpth (m)	0.43	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	29.7	Conv. (m3/s)		29.7	
Length Wtd. (m)	92.10	Wetted Per. (m)		11.39	
Min Ch El (m)	771.39	Shear (N/m2)		31.95	
Alpha	1.00	Stream Power (N/m s)		47.12	
Frctn Loss (m)	1.29	Cum Volume (1000 m3)	0.01	0.21	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	0.89	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=5

E.G. Elev (m)	772.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	771.96	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.96	Flow Area (m2)		4.84	
E.G. Slope (m/m)	0.015170	Area (m2)		4.84	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	25.55	Top Width (m)		25.55	
Vel Total (m/s)	1.35	Avg. Vel. (m/s)		1.35	
Max Chl Dpth (m)	0.57	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	53.2	Conv. (m3/s)		53.2	
Length Wtd. (m)	92.19	Wetted Per. (m)		25.63	
Min Ch El (m)	771.39	Shear (N/m2)		28.12	
Alpha	1.00	Stream Power (N/m s)		38.02	
Frctn Loss (m)	1.03	Cum Volume (1000 m3)	0.04	0.38	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.59	1.54	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=10

E.G. Elev (m)	772.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	772.01	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.01	Flow Area (m2)		6.10	
E.G. Slope (m/m)	0.014946	Area (m2)		6.10	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	26.41	Top Width (m)		26.41	
Vel Total (m/s)	1.53	Avg. Vel. (m/s)		1.53	
Max Chl Dpth (m)	0.62	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	76.4	Conv. (m3/s)		76.4	
Length Wtd. (m)	92.51	Wetted Per. (m)		26.49	
Min Ch El (m)	771.39	Shear (N/m2)		33.75	
Alpha	1.00	Stream Power (N/m s)		51.67	
Frctn Loss (m)	0.85	Cum Volume (1000 m3)	0.13	0.47	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.02	1.58	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=25

E.G. Elev (m)	772.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	772.08	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.08	Flow Area (m2)		8.08	
E.G. Slope (m/m)	0.013191	Area (m2)		8.08	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	28.74	Top Width (m)		28.74	
Vel Total (m/s)	1.64	Avg. Vel. (m/s)		1.64	
Max Chl Dpth (m)	0.69	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	115.3	Conv. (m3/s)		115.3	
Length Wtd. (m)	92.72	Wetted Per. (m)		28.85	
Min Ch El (m)	771.39	Shear (N/m2)		36.23	
Alpha	1.00	Stream Power (N/m s)		59.37	
Frctn Loss (m)	0.85	Cum Volume (1000 m3)	0.20	0.59	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.08	1.69	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=50

E.G. Elev (m)	772.28	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	772.12	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.12	Flow Area (m2)		9.39	
E.G. Slope (m/m)	0.012547	Area (m2)		9.39	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=50 (Continued)

Top Width (m)	28.98	Top Width (m)		28.98	
Vel Total (m/s)	1.76	Avg. Vel. (m/s)		1.76	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	147.2	Conv. (m3/s)		147.2	
Length Wtd. (m)	92.84	Wetted Per. (m)		29.10	
Min Ch El (m)	771.39	Shear (N/m2)		39.69	
Alpha	1.00	Stream Power (N/m s)		69.71	
Frctn Loss (m)	0.85	Cum Volume (1000 m3)	0.26	0.67	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.13	1.70	0.08

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=100

E.G. Elev (m)	772.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	772.17	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.17	Flow Area (m2)		10.75	
E.G. Slope (m/m)	0.012467	Area (m2)		10.75	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	29.23	Top Width (m)		29.23	
Vel Total (m/s)	1.90	Avg. Vel. (m/s)		1.90	
Max Chl Dpth (m)	0.78	Hydr. Depth (m)		0.37	
Conv. Total (m3/s)	183.3	Conv. (m3/s)		183.3	
Length Wtd. (m)	92.97	Wetted Per. (m)		29.37	
Min Ch El (m)	771.39	Shear (N/m2)		44.74	
Alpha	1.00	Stream Power (N/m s)		85.21	
Frctn Loss (m)	0.85	Cum Volume (1000 m3)	0.32	0.75	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.21	1.71	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=500

E.G. Elev (m)	772.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.		0.030	
W.S. Elev (m)	772.29	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.29	Flow Area (m2)		14.38	
E.G. Slope (m/m)	0.011433	Area (m2)		14.38	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	29.88	Top Width (m)		29.88	
Vel Total (m/s)	2.18	Avg. Vel. (m/s)		2.18	
Max Chl Dpth (m)	0.90	Hydr. Depth (m)		0.48	
Conv. Total (m3/s)	293.0	Conv. (m3/s)		293.0	
Length Wtd. (m)	93.15	Wetted Per. (m)		30.07	
Min Ch El (m)	771.39	Shear (N/m2)		53.61	
Alpha	1.00	Stream Power (N/m s)		116.83	
Frctn Loss (m)	0.83	Cum Volume (1000 m3)	0.50	0.97	0.04
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.48	1.74	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=2

E.G. Elev (m)	764.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	763.93	Reach Len. (m)			
Crit W.S. (m)	763.93	Flow Area (m2)	0.17	2.17	0.03
E.G. Slope (m/m)	0.013117	Area (m2)	0.17	2.17	0.03
Q Total (m3/s)	3.64	Flow (m3/s)	0.17	3.45	0.02
Top Width (m)	9.74	Top Width (m)	1.25	8.00	0.49
Vel Total (m/s)	1.54	Avg. Vel. (m/s)	0.99	1.59	0.63
Max Chl Dpth (m)	0.42	Hydr. Depth (m)	0.13	0.27	0.07
Conv. Total (m3/s)	31.8	Conv. (m3/s)	1.5	30.1	0.2
Length Wtd. (m)		Wetted Per. (m)	1.28	8.02	0.51
Min Ch El (m)	763.51	Shear (N/m2)	16.94	34.71	8.62

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=2 (Continued)

Alpha	1.04	Stream Power (N/m s)	16.74	55.34	5.43
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=5

E.G. Elev (m)	764.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.08	Reach Len. (m)			
Crit W.S. (m)	764.08	Flow Area (m2)	0.84	3.37	0.15
E.G. Slope (m/m)	0.008582	Area (m2)	0.84	3.37	0.15
Q Total (m3/s)	6.55	Flow (m3/s)	0.60	5.83	0.12
Top Width (m)	21.06	Top Width (m)	12.04	8.00	1.02
Vel Total (m/s)	1.51	Avg. Vel. (m/s)	0.72	1.73	0.83
Max Chl Dpth (m)	0.57	Hydr. Depth (m)	0.07	0.42	0.14
Conv. Total (m3/s)	70.7	Conv. (m3/s)	6.5	62.9	1.3
Length Wtd. (m)		Wetted Per. (m)	12.10	8.02	1.06
Min Ch El (m)	763.51	Shear (N/m2)	5.81	35.31	11.71
Alpha	1.20	Stream Power (N/m s)	4.18	61.12	9.72
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=10

E.G. Elev (m)	764.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.18	Reach Len. (m)			
Crit W.S. (m)	764.18	Flow Area (m2)	2.74	4.20	0.27
E.G. Slope (m/m)	0.006171	Area (m2)	2.74	4.20	0.27
Q Total (m3/s)	9.34	Flow (m3/s)	1.95	7.16	0.24
Top Width (m)	30.20	Top Width (m)	20.82	8.00	1.38
Vel Total (m/s)	1.29	Avg. Vel. (m/s)	0.71	1.70	0.86
Max Chl Dpth (m)	0.67	Hydr. Depth (m)	0.13	0.53	0.20
Conv. Total (m3/s)	118.9	Conv. (m3/s)	24.8	91.1	3.0
Length Wtd. (m)		Wetted Per. (m)	20.91	8.02	1.44
Min Ch El (m)	763.51	Shear (N/m2)	7.93	31.72	11.47
Alpha	1.40	Stream Power (N/m s)	5.64	53.99	9.91
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=25

E.G. Elev (m)	764.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.25	Reach Len. (m)			
Crit W.S. (m)	764.25	Flow Area (m2)	4.14	4.73	0.37
E.G. Slope (m/m)	0.006757	Area (m2)	4.14	4.73	0.37
Q Total (m3/s)	13.24	Flow (m3/s)	3.76	9.11	0.37
Top Width (m)	31.68	Top Width (m)	22.07	8.00	1.61
Vel Total (m/s)	1.43	Avg. Vel. (m/s)	0.91	1.93	1.00
Max Chl Dpth (m)	0.74	Hydr. Depth (m)	0.19	0.59	0.23
Conv. Total (m3/s)	161.1	Conv. (m3/s)	45.8	110.8	4.5
Length Wtd. (m)		Wetted Per. (m)	22.18	8.02	1.68
Min Ch El (m)	763.51	Shear (N/m2)	12.38	39.05	14.64
Alpha	1.37	Stream Power (N/m s)	11.24	75.20	14.67
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=50

E.G. Elev (m)	764.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.30	Reach Len. (m)			
Crit W.S. (m)	764.30	Flow Area (m2)	5.24	5.12	0.45
E.G. Slope (m/m)	0.006997	Area (m2)	5.24	5.12	0.45
Q Total (m3/s)	16.49	Flow (m3/s)	5.43	10.57	0.49
Top Width (m)	32.97	Top Width (m)	23.19	8.00	1.78
Vel Total (m/s)	1.53	Avg. Vel. (m/s)	1.04	2.07	1.09
Max Chl Dpth (m)	0.79	Hydr. Depth (m)	0.23	0.64	0.25
Conv. Total (m3/s)	197.1	Conv. (m3/s)	64.9	126.3	5.9
Length Wtd. (m)		Wetted Per. (m)	23.31	8.02	1.85
Min Ch El (m)	763.51	Shear (N/m2)	15.42	43.75	16.76
Alpha	1.34	Stream Power (N/m s)	15.99	90.37	18.27
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=100

E.G. Elev (m)	764.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.36	Reach Len. (m)			
Crit W.S. (m)	764.36	Flow Area (m2)	6.64	5.58	0.56
E.G. Slope (m/m)	0.006921	Area (m2)	6.64	5.58	0.56
Q Total (m3/s)	20.47	Flow (m3/s)	7.65	12.16	0.66
Top Width (m)	34.69	Top Width (m)	24.70	8.00	1.99
Vel Total (m/s)	1.60	Avg. Vel. (m/s)	1.15	2.18	1.17
Max Chl Dpth (m)	0.85	Hydr. Depth (m)	0.27	0.70	0.28
Conv. Total (m3/s)	246.1	Conv. (m3/s)	92.0	146.2	7.9
Length Wtd. (m)		Wetted Per. (m)	24.83	8.02	2.07
Min Ch El (m)	763.51	Shear (N/m2)	18.14	47.23	18.49
Alpha	1.31	Stream Power (N/m s)	20.92	102.87	21.55
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=500

E.G. Elev (m)	764.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.49	Reach Len. (m)			
Crit W.S. (m)	764.49	Flow Area (m2)	10.23	6.63	0.86
E.G. Slope (m/m)	0.007067	Area (m2)	10.23	6.63	0.86
Q Total (m3/s)	31.33	Flow (m3/s)	13.84	16.36	1.13
Top Width (m)	41.01	Top Width (m)	30.38	8.00	2.63
Vel Total (m/s)	1.77	Avg. Vel. (m/s)	1.35	2.47	1.31
Max Chl Dpth (m)	0.98	Hydr. Depth (m)	0.34	0.83	0.33
Conv. Total (m3/s)	372.7	Conv. (m3/s)	164.7	194.6	13.4
Length Wtd. (m)		Wetted Per. (m)	30.54	8.02	2.72
Min Ch El (m)	763.51	Shear (N/m2)	23.21	57.27	22.03
Alpha	1.30	Stream Power (N/m s)	31.42	141.32	28.75
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 TributarioArroyo 1 RS: 1253.751 Profile: T=2

E.G. Elev (m)	817.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	817.65	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	817.65	Flow Area (m2)		2.02	
E.G. Slope (m/m)	0.017484	Area (m2)		2.02	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	13.00	Top Width (m)		13.00	
Vel Total (m/s)	1.27	Avg. Vel. (m/s)		1.27	
Max Chl Dpth (m)	0.29	Hydr. Depth (m)		0.16	
Conv. Total (m3/s)	19.4	Conv. (m3/s)		19.4	
Length Wtd. (m)	83.80	Wetted Per. (m)		13.02	
Min Ch El (m)	817.36	Shear (N/m2)		26.60	
Alpha	1.00	Stream Power (N/m s)		33.84	
Frctn Loss (m)	1.45	Cum Volume (1000 m3)		2.25	
C & E Loss (m)	0.00	Cum SA (1000 m2)		13.21	

Plan: Plan 03 TributarioArroyo 1 RS: 1253.751 Profile: T=5

E.G. Elev (m)	817.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	817.77	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	817.77	Flow Area (m2)		4.15	
E.G. Slope (m/m)	0.015508	Area (m2)		4.15	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	19.79	Top Width (m)		19.79	
Vel Total (m/s)	1.46	Avg. Vel. (m/s)		1.46	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	48.8	Conv. (m3/s)		48.8	
Length Wtd. (m)	83.80	Wetted Per. (m)		19.83	
Min Ch El (m)	817.36	Shear (N/m2)		31.85	
Alpha	1.00	Stream Power (N/m s)		46.62	
Frctn Loss (m)	1.28	Cum Volume (1000 m3)	0.00	4.34	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.08	16.73	

Plan: Plan 03 TributarioArroyo 1 RS: 1253.751 Profile: T=10

E.G. Elev (m)	818.03	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	817.88	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	817.88	Flow Area (m2)		6.27	
E.G. Slope (m/m)	0.013784	Area (m2)		6.27	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	21.35	Top Width (m)		21.35	
Vel Total (m/s)	1.73	Avg. Vel. (m/s)		1.73	
Max Chl Dpth (m)	0.52	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	92.2	Conv. (m3/s)		92.2	
Length Wtd. (m)	83.80	Wetted Per. (m)		21.41	
Min Ch El (m)	817.36	Shear (N/m2)		39.60	
Alpha	1.00	Stream Power (N/m s)		68.36	
Frctn Loss (m)	1.15	Cum Volume (1000 m3)	0.03	6.76	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.38	19.47	0.38

Plan: Plan 03 TributarioArroyo 1 RS: 1253.751 Profile: T=25

E.G. Elev (m)	818.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.		0.030	
W.S. Elev (m)	818.01	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.01	Flow Area (m2)		9.25	
E.G. Slope (m/m)	0.012238	Area (m2)		9.25	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	

Plan: Plan 03 TributarioArroyo 1 RS: 1253.751 Profile: T=25 (Continued)

Top Width (m)	22.49	Top Width (m)		22.49	
Vel Total (m/s)	2.03	Avg. Vel. (m/s)		2.03	
Max Chl Dpth (m)	0.65	Hydr. Depth (m)		0.41	
Conv. Total (m3/s)	169.9	Conv. (m3/s)		169.9	
Length Wtd. (m)	83.80	Wetted Per. (m)		22.58	
Min Ch El (m)	817.36	Shear (N/m2)		49.14	
Alpha	1.00	Stream Power (N/m s)		99.93	
Frctn Loss (m)	1.03	Cum Volume (1000 m3)	0.08	10.27	0.08
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.55	22.54	0.65

Plan: Plan 03 TributarioArroyo 1 RS: 1253.751 Profile: T=50

E.G. Elev (m)	818.38	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	818.12	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.12	Flow Area (m2)	0.01	11.67	
E.G. Slope (m/m)	0.011380	Area (m2)	0.01	11.67	
Q Total (m3/s)	26.25	Flow (m3/s)	0.00	26.25	
Top Width (m)	23.33	Top Width (m)	0.25	23.07	
Vel Total (m/s)	2.25	Avg. Vel. (m/s)	0.37	2.25	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)	0.03	0.51	
Conv. Total (m3/s)	246.1	Conv. (m3/s)	0.0	246.0	
Length Wtd. (m)	83.79	Wetted Per. (m)	0.26	23.18	
Min Ch El (m)	817.36	Shear (N/m2)	3.68	56.16	
Alpha	1.00	Stream Power (N/m s)	1.35	126.34	
Frctn Loss (m)	0.93	Cum Volume (1000 m3)	0.14	13.18	0.16
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.71	24.24	1.10

Plan: Plan 03 TributarioArroyo 1 RS: 1253.751 Profile: T=100

E.G. Elev (m)	818.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	818.24	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.24	Flow Area (m2)	0.07	14.58	
E.G. Slope (m/m)	0.010491	Area (m2)	0.07	14.58	
Q Total (m3/s)	36.06	Flow (m3/s)	0.05	36.01	
Top Width (m)	24.29	Top Width (m)	0.72	23.57	
Vel Total (m/s)	2.46	Avg. Vel. (m/s)	0.70	2.47	
Max Chl Dpth (m)	0.88	Hydr. Depth (m)	0.10	0.62	
Conv. Total (m3/s)	352.1	Conv. (m3/s)	0.5	351.6	
Length Wtd. (m)	83.80	Wetted Per. (m)	0.74	23.70	
Min Ch El (m)	817.36	Shear (N/m2)	9.60	63.30	
Alpha	1.01	Stream Power (N/m s)	6.74	156.33	
Frctn Loss (m)	0.84	Cum Volume (1000 m3)	0.26	16.57	0.32
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.31	25.24	1.61

Plan: Plan 03 TributarioArroyo 1 RS: 1253.751 Profile: T=500

E.G. Elev (m)	819.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.44	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	818.55	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.55	Flow Area (m2)	0.47	22.02	0.07
E.G. Slope (m/m)	0.008918	Area (m2)	0.47	22.02	0.07
Q Total (m3/s)	65.80	Flow (m3/s)	0.58	65.18	0.05
Top Width (m)	26.54	Top Width (m)	1.87	24.00	0.67
Vel Total (m/s)	2.92	Avg. Vel. (m/s)	1.23	2.96	0.67
Max Chl Dpth (m)	1.19	Hydr. Depth (m)	0.25	0.92	0.10
Conv. Total (m3/s)	696.8	Conv. (m3/s)	6.1	690.2	0.5
Length Wtd. (m)	83.82	Wetted Per. (m)	1.93	24.14	0.70
Min Ch El (m)	817.36	Shear (N/m2)	21.28	79.76	8.54

Plan: Plan 03 TributarioArroyo 1 RS: 1253.751 Profile: T=500 (Continued)

Alpha	1.02	Stream Power (N/m s)	26.11	236.12	5.70
Frctn Loss (m)	0.70	Cum Volume (1000 m3)	0.83	25.33	1.00
C & E Loss (m)	0.03	Cum SA (1000 m2)	2.76	26.88	3.37

Plan: Plan 03 TributarioArroyo 1 RS: 1169.948 Profile: T=2

E.G. Elev (m)	815.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	815.12	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.12	Flow Area (m2)		2.06	
E.G. Slope (m/m)	0.017013	Area (m2)		2.06	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	13.46	Top Width (m)		13.46	
Vel Total (m/s)	1.24	Avg. Vel. (m/s)		1.24	
Max Chl Dpth (m)	0.26	Hydr. Depth (m)		0.15	
Conv. Total (m3/s)	19.7	Conv. (m3/s)		19.7	
Length Wtd. (m)	108.89	Wetted Per. (m)		13.47	
Min Ch El (m)	814.86	Shear (N/m2)		25.56	
Alpha	1.00	Stream Power (N/m s)		31.82	
Frctn Loss (m)	1.90	Cum Volume (1000 m3)		2.08	
C & E Loss (m)	0.00	Cum SA (1000 m2)		12.10	

Plan: Plan 03 TributarioArroyo 1 RS: 1169.948 Profile: T=5

E.G. Elev (m)	815.36	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	815.25	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.25	Flow Area (m2)		4.12	
E.G. Slope (m/m)	0.014969	Area (m2)		4.12	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	18.86	Top Width (m)		18.86	
Vel Total (m/s)	1.48	Avg. Vel. (m/s)		1.48	
Max Chl Dpth (m)	0.39	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	49.7	Conv. (m3/s)		49.7	
Length Wtd. (m)	108.88	Wetted Per. (m)		18.88	
Min Ch El (m)	814.86	Shear (N/m2)		32.00	
Alpha	1.00	Stream Power (N/m s)		47.27	
Frctn Loss (m)	1.65	Cum Volume (1000 m3)	0.00	3.99	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.08	15.11	

Plan: Plan 03 TributarioArroyo 1 RS: 1169.948 Profile: T=10

E.G. Elev (m)	815.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	815.36	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.36	Flow Area (m2)		6.55	
E.G. Slope (m/m)	0.013777	Area (m2)		6.55	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	23.84	Top Width (m)		23.84	
Vel Total (m/s)	1.65	Avg. Vel. (m/s)		1.65	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	92.3	Conv. (m3/s)		92.3	
Length Wtd. (m)	108.85	Wetted Per. (m)		23.87	
Min Ch El (m)	814.86	Shear (N/m2)		37.09	
Alpha	1.00	Stream Power (N/m s)		61.31	
Frctn Loss (m)	1.40	Cum Volume (1000 m3)	0.03	6.23	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.38	17.57	0.38

Plan: Plan 03 TributarioArroyo 1 RS: 1169.948 Profile: T=25

E.G. Elev (m)	815.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.49	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.49	Flow Area (m2)	0.04	9.75	0.01
E.G. Slope (m/m)	0.012363	Area (m2)	0.04	9.75	0.01
Q Total (m3/s)	18.80	Flow (m3/s)	0.02	18.78	0.00
Top Width (m)	27.26	Top Width (m)	0.88	26.00	0.38
Vel Total (m/s)	1.92	Avg. Vel. (m/s)	0.49	1.93	0.21
Max Chl Dpth (m)	0.63	Hydr. Depth (m)	0.05	0.38	0.01
Conv. Total (m3/s)	169.1	Conv. (m3/s)	0.2	168.9	0.0
Length Wtd. (m)	108.85	Wetted Per. (m)	0.88	26.03	0.38
Min Ch El (m)	814.86	Shear (N/m2)	5.83	45.41	1.61
Alpha	1.01	Stream Power (N/m s)	2.86	87.46	0.33
Frctn Loss (m)	1.24	Cum Volume (1000 m3)	0.08	9.47	0.08
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.52	20.51	0.63

Plan: Plan 03 TributarioArroyo 1 RS: 1169.948 Profile: T=50

E.G. Elev (m)	815.81	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.59	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.59	Flow Area (m2)	0.18	12.38	0.12
E.G. Slope (m/m)	0.010739	Area (m2)	0.18	12.38	0.12
Q Total (m3/s)	26.25	Flow (m3/s)	0.13	26.05	0.06
Top Width (m)	29.63	Top Width (m)	1.80	26.00	1.83
Vel Total (m/s)	2.07	Avg. Vel. (m/s)	0.74	2.10	0.55
Max Chl Dpth (m)	0.73	Hydr. Depth (m)	0.10	0.48	0.06
Conv. Total (m3/s)	253.3	Conv. (m3/s)	1.3	251.4	0.6
Length Wtd. (m)	108.88	Wetted Per. (m)	1.81	26.03	1.83
Min Ch El (m)	814.86	Shear (N/m2)	10.36	50.09	6.71
Alpha	1.03	Stream Power (N/m s)	7.62	105.41	3.70
Frctn Loss (m)	1.13	Cum Volume (1000 m3)	0.13	12.17	0.15
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.63	22.18	1.02

Plan: Plan 03 TributarioArroyo 1 RS: 1169.948 Profile: T=100

E.G. Elev (m)	815.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.70	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.70	Flow Area (m2)	0.46	15.37	0.43
E.G. Slope (m/m)	0.009591	Area (m2)	0.46	15.37	0.43
Q Total (m3/s)	36.06	Flow (m3/s)	0.41	35.31	0.34
Top Width (m)	32.74	Top Width (m)	3.16	26.00	3.58
Vel Total (m/s)	2.22	Avg. Vel. (m/s)	0.90	2.30	0.79
Max Chl Dpth (m)	0.84	Hydr. Depth (m)	0.15	0.59	0.12
Conv. Total (m3/s)	368.2	Conv. (m3/s)	4.2	360.5	3.4
Length Wtd. (m)	109.00	Wetted Per. (m)	3.18	26.03	3.59
Min Ch El (m)	814.86	Shear (N/m2)	13.61	55.53	11.19
Alpha	1.05	Stream Power (N/m s)	12.24	127.59	8.83
Frctn Loss (m)	0.98	Cum Volume (1000 m3)	0.24	15.32	0.30
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.16	23.16	1.45

Plan: Plan 03 TributarioArroyo 1 RS: 1169.948 Profile: T=500

E.G. Elev (m)	816.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.98	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.98	Flow Area (m2)	1.76	22.65	2.19
E.G. Slope (m/m)	0.007814	Area (m2)	1.76	22.65	2.19
Q Total (m3/s)	65.80	Flow (m3/s)	2.29	60.84	2.66

Plan: Plan 03 TributarioArroyo 1 RS: 1169.948 Profile: T=500 (Continued)

Top Width (m)	40.17	Top Width (m)	5.94	26.00	8.23
Vel Total (m/s)	2.47	Avg. Vel. (m/s)	1.30	2.69	1.22
Max Chl Dpth (m)	1.12	Hydr. Depth (m)	0.30	0.87	0.27
Conv. Total (m3/s)	744.4	Conv. (m3/s)	25.9	688.3	30.1
Length Wtd. (m)	109.16	Wetted Per. (m)	5.97	26.03	8.25
Min Ch El (m)	814.86	Shear (N/m2)	22.58	66.69	20.33
Alpha	1.11	Stream Power (N/m s)	29.47	179.12	24.72
Frctn Loss (m)	0.88	Cum Volume (1000 m3)	0.74	23.46	0.90
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.46	24.79	2.97

Plan: Plan 03 TributarioArroyo 1 RS: 1061.057 Profile: T=2

E.G. Elev (m)	812.90	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	812.83	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	812.83	Flow Area (m2)		2.20	
E.G. Slope (m/m)	0.017856	Area (m2)		2.20	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	16.37	Top Width (m)		16.37	
Vel Total (m/s)	1.17	Avg. Vel. (m/s)		1.17	
Max Chl Dpth (m)	0.31	Hydr. Depth (m)		0.13	
Conv. Total (m3/s)	19.2	Conv. (m3/s)		19.2	
Length Wtd. (m)	121.58	Wetted Per. (m)		16.39	
Min Ch El (m)	812.52	Shear (N/m2)		23.51	
Alpha	1.00	Stream Power (N/m s)		27.46	
Frctn Loss (m)	2.12	Cum Volume (1000 m3)		1.85	
C & E Loss (m)	0.00	Cum SA (1000 m2)		10.48	

Plan: Plan 03 TributarioArroyo 1 RS: 1061.057 Profile: T=5

E.G. Elev (m)	813.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	812.93	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	812.93	Flow Area (m2)	0.02	4.18	
E.G. Slope (m/m)	0.015251	Area (m2)	0.02	4.18	
Q Total (m3/s)	6.08	Flow (m3/s)	0.01	6.07	
Top Width (m)	20.70	Top Width (m)	0.78	19.92	
Vel Total (m/s)	1.45	Avg. Vel. (m/s)	0.36	1.45	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)	0.03	0.21	
Conv. Total (m3/s)	49.2	Conv. (m3/s)	0.1	49.2	
Length Wtd. (m)	121.58	Wetted Per. (m)	0.78	19.95	
Min Ch El (m)	812.52	Shear (N/m2)	3.91	31.35	
Alpha	1.01	Stream Power (N/m s)	1.42	45.53	
Frctn Loss (m)	1.83	Cum Volume (1000 m3)	0.00	3.54	
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.04	13.00	

Plan: Plan 03 TributarioArroyo 1 RS: 1061.057 Profile: T=10

E.G. Elev (m)	813.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.04	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.04	Flow Area (m2)	0.26	6.50	0.14
E.G. Slope (m/m)	0.011969	Area (m2)	0.26	6.50	0.14
Q Total (m3/s)	10.83	Flow (m3/s)	0.17	10.60	0.07
Top Width (m)	28.26	Top Width (m)	3.56	21.76	2.93
Vel Total (m/s)	1.57	Avg. Vel. (m/s)	0.64	1.63	0.48
Max Chl Dpth (m)	0.52	Hydr. Depth (m)	0.07	0.30	0.05
Conv. Total (m3/s)	99.0	Conv. (m3/s)	1.5	96.8	0.6
Length Wtd. (m)	121.58	Wetted Per. (m)	3.57	21.79	2.93
Min Ch El (m)	812.52	Shear (N/m2)	8.63	35.04	5.56

Plan: Plan 03 TributarioArroyo 1 RS: 1061.057 Profile: T=10 (Continued)

Alpha	1.06	Stream Power (N/m s)	5.52	57.08	2.65
Frctn Loss (m)	1.56	Cum Volume (1000 m3)	0.02	5.52	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.20	15.09	0.20

Plan: Plan 03 TributarioArroyo 1 RS: 1061.057 Profile: T=25

E.G. Elev (m)	813.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.16	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.16	Flow Area (m2)	0.75	9.14	0.59
E.G. Slope (m/m)	0.010502	Area (m2)	0.75	9.14	0.59
Q Total (m3/s)	18.80	Flow (m3/s)	0.78	17.50	0.52
Top Width (m)	30.77	Top Width (m)	4.46	21.76	4.55
Vel Total (m/s)	1.79	Avg. Vel. (m/s)	1.04	1.91	0.88
Max Chl Dpth (m)	0.64	Hydr. Depth (m)	0.17	0.42	0.13
Conv. Total (m3/s)	183.5	Conv. (m3/s)	7.6	170.8	5.1
Length Wtd. (m)	121.66	Wetted Per. (m)	4.48	21.79	4.56
Min Ch El (m)	812.52	Shear (N/m2)	17.23	43.21	13.39
Alpha	1.08	Stream Power (N/m s)	17.87	82.74	11.74
Frctn Loss (m)	1.38	Cum Volume (1000 m3)	0.04	8.45	0.04
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.26	17.91	0.32

Plan: Plan 03 TributarioArroyo 1 RS: 1061.057 Profile: T=50

E.G. Elev (m)	813.47	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.25	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.25	Flow Area (m2)	1.18	11.11	1.07
E.G. Slope (m/m)	0.010003	Area (m2)	1.18	11.11	1.07
Q Total (m3/s)	26.25	Flow (m3/s)	1.48	23.66	1.11
Top Width (m)	33.08	Top Width (m)	5.14	21.76	6.18
Vel Total (m/s)	1.96	Avg. Vel. (m/s)	1.25	2.13	1.04
Max Chl Dpth (m)	0.73	Hydr. Depth (m)	0.23	0.51	0.17
Conv. Total (m3/s)	262.5	Conv. (m3/s)	14.8	236.5	11.1
Length Wtd. (m)	121.73	Wetted Per. (m)	5.16	21.79	6.19
Min Ch El (m)	812.52	Shear (N/m2)	22.53	50.04	17.00
Alpha	1.09	Stream Power (N/m s)	28.17	106.52	17.62
Frctn Loss (m)	1.32	Cum Volume (1000 m3)	0.07	10.89	0.08
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.29	19.58	0.52

Plan: Plan 03 TributarioArroyo 1 RS: 1061.057 Profile: T=100

E.G. Elev (m)	813.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.38	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.38	Flow Area (m2)	1.99	13.77	1.92
E.G. Slope (m/m)	0.008502	Area (m2)	1.99	13.77	1.92
Q Total (m3/s)	36.06	Flow (m3/s)	2.49	31.16	2.41
Top Width (m)	36.79	Top Width (m)	7.67	21.76	7.36
Vel Total (m/s)	2.04	Avg. Vel. (m/s)	1.25	2.26	1.25
Max Chl Dpth (m)	0.86	Hydr. Depth (m)	0.26	0.63	0.26
Conv. Total (m3/s)	391.1	Conv. (m3/s)	27.0	338.0	26.1
Length Wtd. (m)	121.89	Wetted Per. (m)	7.69	21.79	7.38
Min Ch El (m)	812.52	Shear (N/m2)	21.59	52.69	21.72
Alpha	1.12	Stream Power (N/m s)	26.96	119.25	27.23
Frctn Loss (m)	1.18	Cum Volume (1000 m3)	0.12	13.73	0.16
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.63	20.56	0.77

Plan: Plan 03 TributarioArroyo 1 RS: 1061.057 Profile: T=500

E.G. Elev (m)	813.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.61	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.61	Flow Area (m2)	3.98	18.92	3.81
E.G. Slope (m/m)	0.008273	Area (m2)	3.98	18.92	3.81
Q Total (m3/s)	65.80	Flow (m3/s)	6.92	52.19	6.69
Top Width (m)	39.46	Top Width (m)	9.10	21.76	8.61
Vel Total (m/s)	2.46	Avg. Vel. (m/s)	1.74	2.76	1.76
Max Chl Dpth (m)	1.09	Hydr. Depth (m)	0.44	0.87	0.44
Conv. Total (m3/s)	723.4	Conv. (m3/s)	76.0	573.8	73.6
Length Wtd. (m)	122.06	Wetted Per. (m)	9.15	21.79	8.64
Min Ch El (m)	812.52	Shear (N/m2)	35.26	70.44	35.76
Alpha	1.10	Stream Power (N/m s)	61.35	194.35	62.79
Frctn Loss (m)	1.10	Cum Volume (1000 m3)	0.46	21.19	0.52
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.72	22.19	1.92

Plan: Plan 03 TributarioArroyo 1 RS: 939.4781 Profile: T=2

E.G. Elev (m)	809.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	809.75	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	809.75	Flow Area (m2)		2.19	
E.G. Slope (m/m)	0.017017	Area (m2)		2.19	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	15.69	Top Width (m)		15.69	
Vel Total (m/s)	1.17	Avg. Vel. (m/s)		1.17	
Max Chl Dpth (m)	0.27	Hydr. Depth (m)		0.14	
Conv. Total (m3/s)	19.7	Conv. (m3/s)		19.7	
Length Wtd. (m)	142.89	Wetted Per. (m)		15.70	
Min Ch El (m)	809.48	Shear (N/m2)		23.32	
Alpha	1.00	Stream Power (N/m s)		27.31	
Frctn Loss (m)	2.44	Cum Volume (1000 m3)		1.58	
C & E Loss (m)	0.00	Cum SA (1000 m2)		8.53	

Plan: Plan 03 TributarioArroyo 1 RS: 939.4781 Profile: T=5

E.G. Elev (m)	809.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	809.86	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	809.86	Flow Area (m2)		4.14	
E.G. Slope (m/m)	0.014849	Area (m2)		4.14	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	19.05	Top Width (m)		19.05	
Vel Total (m/s)	1.47	Avg. Vel. (m/s)		1.47	
Max Chl Dpth (m)	0.38	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	49.9	Conv. (m3/s)		49.9	
Length Wtd. (m)	142.89	Wetted Per. (m)		19.08	
Min Ch El (m)	809.48	Shear (N/m2)		31.62	
Alpha	1.00	Stream Power (N/m s)		46.40	
Frctn Loss (m)	2.11	Cum Volume (1000 m3)		3.03	
C & E Loss (m)	0.00	Cum SA (1000 m2)		10.63	

Plan: Plan 03 TributarioArroyo 1 RS: 939.4781 Profile: T=10

E.G. Elev (m)	810.12	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	809.96	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	809.96	Flow Area (m2)		6.21	
E.G. Slope (m/m)	0.013741	Area (m2)		6.21	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	

Plan: Plan 03 TributarioArroyo 1 RS: 939.4781 Profile: T=10 (Continued)

Top Width (m)	20.82	Top Width (m)		20.82	
Vel Total (m/s)	1.74	Avg. Vel. (m/s)		1.74	
Max Chl Dpth (m)	0.48	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	92.4	Conv. (m3/s)		92.4	
Length Wtd. (m)	142.89	Wetted Per. (m)		20.87	
Min Ch El (m)	809.48	Shear (N/m2)		40.14	
Alpha	1.00	Stream Power (N/m s)		69.94	
Frctn Loss (m)	1.92	Cum Volume (1000 m3)		4.74	
C & E Loss (m)	0.00	Cum SA (1000 m2)		12.50	

Plan: Plan 03 TributarioArroyo 1 RS: 939.4781 Profile: T=25

E.G. Elev (m)	810.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	810.11	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.11	Flow Area (m2)		9.57	
E.G. Slope (m/m)	0.012280	Area (m2)		9.57	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	
Top Width (m)	24.63	Top Width (m)		24.63	
Vel Total (m/s)	1.96	Avg. Vel. (m/s)		1.96	
Max Chl Dpth (m)	0.63	Hydr. Depth (m)		0.39	
Conv. Total (m3/s)	169.7	Conv. (m3/s)		169.7	
Length Wtd. (m)	142.89	Wetted Per. (m)		24.69	
Min Ch El (m)	809.48	Shear (N/m2)		46.68	
Alpha	1.00	Stream Power (N/m s)		91.68	
Frctn Loss (m)	1.74	Cum Volume (1000 m3)		7.31	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)		15.09	0.01

Plan: Plan 03 TributarioArroyo 1 RS: 939.4781 Profile: T=50

E.G. Elev (m)	810.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	810.22	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.22	Flow Area (m2)		12.44	
E.G. Slope (m/m)	0.011873	Area (m2)		12.44	
Q Total (m3/s)	26.25	Flow (m3/s)		26.25	
Top Width (m)	27.99	Top Width (m)		27.99	
Vel Total (m/s)	2.11	Avg. Vel. (m/s)		2.11	
Max Chl Dpth (m)	0.74	Hydr. Depth (m)		0.44	
Conv. Total (m3/s)	240.9	Conv. (m3/s)		240.9	
Length Wtd. (m)	142.89	Wetted Per. (m)		28.08	
Min Ch El (m)	809.48	Shear (N/m2)		51.58	
Alpha	1.00	Stream Power (N/m s)		108.86	
Frctn Loss (m)	1.65	Cum Volume (1000 m3)		9.46	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)		16.56	0.09

Plan: Plan 03 TributarioArroyo 1 RS: 939.4781 Profile: T=100

E.G. Elev (m)	810.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	810.33	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.33	Flow Area (m2)		15.56	
E.G. Slope (m/m)	0.011159	Area (m2)		15.56	
Q Total (m3/s)	36.06	Flow (m3/s)		36.06	
Top Width (m)	29.01	Top Width (m)		29.01	
Vel Total (m/s)	2.32	Avg. Vel. (m/s)		2.32	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	341.4	Conv. (m3/s)		341.4	
Length Wtd. (m)	142.89	Wetted Per. (m)		29.12	
Min Ch El (m)	809.48	Shear (N/m2)		58.45	

Plan: Plan 03 TributarioArroyo 1 RS: 939.4781 Profile: T=100 (Continued)

Alpha	1.00	Stream Power (N/m s)		135.50	
Frctn Loss (m)	1.55	Cum Volume (1000 m3)	0.01	11.95	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.20	17.47	0.26

Plan: Plan 03 TributarioArroyo 1 RS: 939.4781 Profile: T=500

E.G. Elev (m)	810.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	810.60	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.60	Flow Area (m2)		23.75	0.07
E.G. Slope (m/m)	0.009791	Area (m2)		23.75	0.07
Q Total (m3/s)	65.80	Flow (m3/s)		65.75	0.05
Top Width (m)	31.36	Top Width (m)		30.73	0.63
Vel Total (m/s)	2.76	Avg. Vel. (m/s)		2.77	0.71
Max Chl Dpth (m)	1.12	Hydr. Depth (m)		0.77	0.10
Conv. Total (m3/s)	665.0	Conv. (m3/s)		664.5	0.5
Length Wtd. (m)	143.04	Wetted Per. (m)		30.88	0.66
Min Ch El (m)	809.48	Shear (N/m2)		73.85	9.50
Alpha	1.00	Stream Power (N/m s)		204.47	6.70
Frctn Loss (m)	1.30	Cum Volume (1000 m3)	0.23	18.60	0.26
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.20	19.00	1.28

Plan: Plan 03 TributarioArroyo 1 RS: 796.5930 Profile: T=2

E.G. Elev (m)	806.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	806.13	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.13	Flow Area (m2)		2.09	
E.G. Slope (m/m)	0.017205	Area (m2)		2.09	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	14.00	Top Width (m)		14.00	
Vel Total (m/s)	1.23	Avg. Vel. (m/s)		1.23	
Max Chl Dpth (m)	0.21	Hydr. Depth (m)		0.15	
Conv. Total (m3/s)	19.6	Conv. (m3/s)		19.6	
Length Wtd. (m)	106.24	Wetted Per. (m)		14.02	
Min Ch El (m)	805.92	Shear (N/m2)		25.16	
Alpha	1.00	Stream Power (N/m s)		30.93	
Frctn Loss (m)	1.78	Cum Volume (1000 m3)		1.28	
C & E Loss (m)	0.00	Cum SA (1000 m2)		6.41	

Plan: Plan 03 TributarioArroyo 1 RS: 796.5930 Profile: T=5

E.G. Elev (m)	806.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	806.25	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.25	Flow Area (m2)		4.01	
E.G. Slope (m/m)	0.014742	Area (m2)		4.01	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	17.41	Top Width (m)		17.41	
Vel Total (m/s)	1.52	Avg. Vel. (m/s)		1.52	
Max Chl Dpth (m)	0.33	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	50.1	Conv. (m3/s)		50.1	
Length Wtd. (m)	106.24	Wetted Per. (m)		17.44	
Min Ch El (m)	805.92	Shear (N/m2)		33.20	
Alpha	1.00	Stream Power (N/m s)		50.40	
Frctn Loss (m)	1.53	Cum Volume (1000 m3)		2.45	
C & E Loss (m)	0.00	Cum SA (1000 m2)		8.03	

Plan: Plan 03 TributarioArroyo 1 RS: 796.5930 Profile: T=10

E.G. Elev (m)	806.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	806.37	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.37	Flow Area (m2)		6.14	
E.G. Slope (m/m)	0.013205	Area (m2)		6.14	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	19.64	Top Width (m)		19.64	
Vel Total (m/s)	1.76	Avg. Vel. (m/s)		1.76	
Max Chl Dpth (m)	0.45	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	94.2	Conv. (m3/s)		94.2	
Length Wtd. (m)	106.24	Wetted Per. (m)		19.68	
Min Ch El (m)	805.92	Shear (N/m2)		40.43	
Alpha	1.00	Stream Power (N/m s)		71.27	
Frctn Loss (m)	1.40	Cum Volume (1000 m3)		3.86	
C & E Loss (m)	0.00	Cum SA (1000 m2)		9.61	

Plan: Plan 03 TributarioArroyo 1 RS: 796.5930 Profile: T=25

E.G. Elev (m)	806.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	806.51	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.51	Flow Area (m2)		9.15	
E.G. Slope (m/m)	0.012124	Area (m2)		9.15	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	
Top Width (m)	21.80	Top Width (m)		21.80	
Vel Total (m/s)	2.05	Avg. Vel. (m/s)		2.05	
Max Chl Dpth (m)	0.59	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	170.7	Conv. (m3/s)		170.7	
Length Wtd. (m)	106.24	Wetted Per. (m)		21.86	
Min Ch El (m)	805.92	Shear (N/m2)		49.78	
Alpha	1.00	Stream Power (N/m s)		102.25	
Frctn Loss (m)	1.31	Cum Volume (1000 m3)		5.97	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)		11.77	0.01

Plan: Plan 03 TributarioArroyo 1 RS: 796.5930 Profile: T=50

E.G. Elev (m)	806.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	806.63	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.63	Flow Area (m2)		11.74	
E.G. Slope (m/m)	0.011297	Area (m2)		11.74	
Q Total (m3/s)	26.25	Flow (m3/s)		26.25	
Top Width (m)	23.32	Top Width (m)		23.32	
Vel Total (m/s)	2.24	Avg. Vel. (m/s)		2.24	
Max Chl Dpth (m)	0.71	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	247.0	Conv. (m3/s)		247.0	
Length Wtd. (m)	106.24	Wetted Per. (m)		23.40	
Min Ch El (m)	805.92	Shear (N/m2)		55.57	
Alpha	1.00	Stream Power (N/m s)		124.31	
Frctn Loss (m)	1.22	Cum Volume (1000 m3)		7.74	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)		12.89	0.09

Plan: Plan 03 TributarioArroyo 1 RS: 796.5930 Profile: T=100

E.G. Elev (m)	807.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	806.75	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.75	Flow Area (m2)	0.05	14.74	
E.G. Slope (m/m)	0.010541	Area (m2)	0.05	14.74	
Q Total (m3/s)	36.06	Flow (m3/s)	0.02	36.04	

Plan: Plan 03 TributarioArroyo 1 RS: 796.5930 Profile: T=100 (Continued)

Top Width (m)	25.66	Top Width (m)	1.34	24.32	
Vel Total (m/s)	2.44	Avg. Vel. (m/s)	0.38	2.44	
Max Chl Dpth (m)	0.83	Hydr. Depth (m)	0.04	0.61	
Conv. Total (m3/s)	351.2	Conv. (m3/s)	0.2	351.0	
Length Wtd. (m)	106.24	Wetted Per. (m)	1.34	24.41	
Min Ch El (m)	805.92	Shear (N/m2)	3.81	62.42	
Alpha	1.01	Stream Power (N/m s)	1.45	152.62	
Frctn Loss (m)	1.13	Cum Volume (1000 m3)	0.00	9.79	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.09	13.66	0.26

Plan: Plan 03 TributarioArroyo 1 RS: 796.5930 Profile: T=500

E.G. Elev (m)	807.48	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	807.08	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.08	Flow Area (m2)	1.33	22.83	
E.G. Slope (m/m)	0.008444	Area (m2)	1.33	22.83	
Q Total (m3/s)	65.80	Flow (m3/s)	1.43	64.37	
Top Width (m)	32.12	Top Width (m)	6.41	25.70	
Vel Total (m/s)	2.72	Avg. Vel. (m/s)	1.07	2.82	
Max Chl Dpth (m)	1.16	Hydr. Depth (m)	0.21	0.89	
Conv. Total (m3/s)	716.1	Conv. (m3/s)	15.5	700.5	
Length Wtd. (m)	106.24	Wetted Per. (m)	6.43	25.84	
Min Ch El (m)	805.92	Shear (N/m2)	17.15	73.16	
Alpha	1.05	Stream Power (N/m s)	18.39	206.32	
Frctn Loss (m)	0.93	Cum Volume (1000 m3)	0.13	15.27	0.25
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.70	14.97	1.25

Plan: Plan 03 TributarioArroyo 1 RS: 690.3525 Profile: T=2

E.G. Elev (m)	802.81	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	802.73	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	802.73	Flow Area (m2)		1.99	
E.G. Slope (m/m)	0.016276	Area (m2)		1.99	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	11.92	Top Width (m)		11.92	
Vel Total (m/s)	1.29	Avg. Vel. (m/s)		1.29	
Max Chl Dpth (m)	0.22	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	20.1	Conv. (m3/s)		20.1	
Length Wtd. (m)	78.37	Wetted Per. (m)		11.94	
Min Ch El (m)	802.51	Shear (N/m2)		26.65	
Alpha	1.00	Stream Power (N/m s)		34.36	
Frctn Loss (m)	1.31	Cum Volume (1000 m3)		1.06	
C & E Loss (m)	0.00	Cum SA (1000 m2)		5.03	

Plan: Plan 03 TributarioArroyo 1 RS: 690.3525 Profile: T=5

E.G. Elev (m)	803.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	802.87	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	802.87	Flow Area (m2)		3.83	
E.G. Slope (m/m)	0.014050	Area (m2)		3.83	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	15.05	Top Width (m)		15.05	
Vel Total (m/s)	1.59	Avg. Vel. (m/s)		1.59	
Max Chl Dpth (m)	0.36	Hydr. Depth (m)		0.25	
Conv. Total (m3/s)	51.3	Conv. (m3/s)		51.3	
Length Wtd. (m)	78.37	Wetted Per. (m)		15.08	
Min Ch El (m)	802.51	Shear (N/m2)		35.03	

Plan: Plan 03 TributarioArroyo 1 RS: 690.3525 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		55.53	
Frctn Loss (m)	1.11	Cum Volume (1000 m3)		2.03	
C & E Loss (m)	0.00	Cum SA (1000 m2)		6.30	

Plan: Plan 03 TributarioArroyo 1 RS: 690.3525 Profile: T=10

E.G. Elev (m)	803.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	803.00	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.00	Flow Area (m2)		6.07	
E.G. Slope (m/m)	0.013071	Area (m2)		6.07	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	18.90	Top Width (m)		18.90	
Vel Total (m/s)	1.78	Avg. Vel. (m/s)		1.78	
Max Chl Dpth (m)	0.49	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	94.7	Conv. (m3/s)		94.7	
Length Wtd. (m)	78.37	Wetted Per. (m)		18.94	
Min Ch El (m)	802.51	Shear (N/m2)		41.07	
Alpha	1.00	Stream Power (N/m s)		73.29	
Frctn Loss (m)	1.01	Cum Volume (1000 m3)		3.21	
C & E Loss (m)	0.00	Cum SA (1000 m2)		7.57	

Plan: Plan 03 TributarioArroyo 1 RS: 690.3525 Profile: T=25

E.G. Elev (m)	803.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	803.16	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.16	Flow Area (m2)		9.66	
E.G. Slope (m/m)	0.012575	Area (m2)		9.66	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	
Top Width (m)	25.68	Top Width (m)		25.68	
Vel Total (m/s)	1.95	Avg. Vel. (m/s)		1.95	
Max Chl Dpth (m)	0.65	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	167.7	Conv. (m3/s)		167.7	
Length Wtd. (m)	78.37	Wetted Per. (m)		25.74	
Min Ch El (m)	802.51	Shear (N/m2)		46.30	
Alpha	1.00	Stream Power (N/m s)		90.07	
Frctn Loss (m)	0.97	Cum Volume (1000 m3)		4.97	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)		9.25	0.01

Plan: Plan 03 TributarioArroyo 1 RS: 690.3525 Profile: T=50

E.G. Elev (m)	803.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	803.25	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.25	Flow Area (m2)		12.28	0.01
E.G. Slope (m/m)	0.011723	Area (m2)		12.28	0.01
Q Total (m3/s)	26.25	Flow (m3/s)		26.25	0.00
Top Width (m)	27.38	Top Width (m)		26.88	0.50
Vel Total (m/s)	2.14	Avg. Vel. (m/s)		2.14	0.29
Max Chl Dpth (m)	0.74	Hydr. Depth (m)		0.46	0.02
Conv. Total (m3/s)	242.4	Conv. (m3/s)		242.4	0.0
Length Wtd. (m)	78.38	Wetted Per. (m)		26.95	0.50
Min Ch El (m)	802.51	Shear (N/m2)		52.38	2.58
Alpha	1.00	Stream Power (N/m s)		111.95	0.74
Frctn Loss (m)	0.89	Cum Volume (1000 m3)		6.46	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)		10.23	0.07

Plan: Plan 03 TributarioArroyo 1 RS: 690.3525 Profile: T=100

E.G. Elev (m)	803.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.28	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	803.37	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.37	Flow Area (m2)		15.40	0.14
E.G. Slope (m/m)	0.010689	Area (m2)		15.40	0.14
Q Total (m3/s)	36.06	Flow (m3/s)		35.97	0.09
Top Width (m)	29.31	Top Width (m)		27.54	1.77
Vel Total (m/s)	2.32	Avg. Vel. (m/s)		2.34	0.64
Max Chl Dpth (m)	0.86	Hydr. Depth (m)		0.56	0.08
Conv. Total (m3/s)	348.8	Conv. (m3/s)		347.9	0.9
Length Wtd. (m)	78.42	Wetted Per. (m)		27.62	1.78
Min Ch El (m)	802.51	Shear (N/m2)		58.46	8.34
Alpha	1.01	Stream Power (N/m s)		136.52	5.32
Frctn Loss (m)	0.82	Cum Volume (1000 m3)	0.00	8.18	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	10.91	0.17

Plan: Plan 03 TributarioArroyo 1 RS: 690.3525 Profile: T=500

E.G. Elev (m)	804.03	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.65	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.65	Flow Area (m2)	0.11	23.28	0.94
E.G. Slope (m/m)	0.009119	Area (m2)	0.11	23.28	0.94
Q Total (m3/s)	65.80	Flow (m3/s)	0.06	64.58	1.16
Top Width (m)	33.90	Top Width (m)	1.44	28.54	3.91
Vel Total (m/s)	2.70	Avg. Vel. (m/s)	0.56	2.77	1.23
Max Chl Dpth (m)	1.14	Hydr. Depth (m)	0.07	0.82	0.24
Conv. Total (m3/s)	689.0	Conv. (m3/s)	0.6	676.3	12.1
Length Wtd. (m)	78.65	Wetted Per. (m)	1.45	28.63	3.94
Min Ch El (m)	802.51	Shear (N/m2)	6.60	72.73	21.43
Alpha	1.04	Stream Power (N/m s)	3.69	201.73	26.32
Frctn Loss (m)	0.69	Cum Volume (1000 m3)	0.05	12.82	0.20
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.29	12.08	1.04

Plan: Plan 03 TributarioArroyo 1 RS: 611.9851 Profile: T=2

E.G. Elev (m)	799.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	799.13	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.13	Flow Area (m2)		2.06	
E.G. Slope (m/m)	0.017093	Area (m2)		2.06	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	13.38	Top Width (m)		13.38	
Vel Total (m/s)	1.25	Avg. Vel. (m/s)		1.25	
Max Chl Dpth (m)	0.29	Hydr. Depth (m)		0.15	
Conv. Total (m3/s)	19.7	Conv. (m3/s)		19.7	
Length Wtd. (m)	90.88	Wetted Per. (m)		13.40	
Min Ch El (m)	798.84	Shear (N/m2)		25.73	
Alpha	1.00	Stream Power (N/m s)		32.14	
Frctn Loss (m)	1.40	Cum Volume (1000 m3)		0.90	
C & E Loss (m)	0.01	Cum SA (1000 m2)		4.04	

Plan: Plan 03 TributarioArroyo 1 RS: 611.9851 Profile: T=5

E.G. Elev (m)	799.38	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	799.25	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.25	Flow Area (m2)		3.81	
E.G. Slope (m/m)	0.014349	Area (m2)		3.81	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	

Plan: Plan 03 TributarioArroyo 1 RS: 611.9851 Profile: T=5 (Continued)

Top Width (m)	15.06	Top Width (m)		15.06	
Vel Total (m/s)	1.59	Avg. Vel. (m/s)		1.59	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.25	
Conv. Total (m3/s)	50.8	Conv. (m3/s)		50.8	
Length Wtd. (m)	90.88	Wetted Per. (m)		15.10	
Min Ch El (m)	798.84	Shear (N/m2)		35.52	
Alpha	1.00	Stream Power (N/m s)		56.65	
Frctn Loss (m)	1.21	Cum Volume (1000 m3)		1.73	
C & E Loss (m)	0.02	Cum SA (1000 m2)		5.12	

Plan: Plan 03 TributarioArroyo 1 RS: 611.9851 Profile: T=10

E.G. Elev (m)	799.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	799.38	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.38	Flow Area (m2)		5.77	
E.G. Slope (m/m)	0.012815	Area (m2)		5.77	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	16.36	Top Width (m)		16.36	
Vel Total (m/s)	1.88	Avg. Vel. (m/s)		1.88	
Max Chl Dpth (m)	0.54	Hydr. Depth (m)		0.35	
Conv. Total (m3/s)	95.7	Conv. (m3/s)		95.7	
Length Wtd. (m)	90.88	Wetted Per. (m)		16.43	
Min Ch El (m)	798.84	Shear (N/m2)		44.12	
Alpha	1.00	Stream Power (N/m s)		82.85	
Frctn Loss (m)	1.15	Cum Volume (1000 m3)		2.75	
C & E Loss (m)	0.01	Cum SA (1000 m2)		6.18	

Plan: Plan 03 TributarioArroyo 1 RS: 611.9851 Profile: T=25

E.G. Elev (m)	799.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	799.55	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.55	Flow Area (m2)		9.12	0.00
E.G. Slope (m/m)	0.012061	Area (m2)		9.12	0.00
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	0.00
Top Width (m)	21.58	Top Width (m)		21.49	0.09
Vel Total (m/s)	2.06	Avg. Vel. (m/s)		2.06	0.20
Max Chl Dpth (m)	0.71	Hydr. Depth (m)		0.42	0.01
Conv. Total (m3/s)	171.2	Conv. (m3/s)		171.2	0.0
Length Wtd. (m)	90.88	Wetted Per. (m)		21.59	0.09
Min Ch El (m)	798.84	Shear (N/m2)		49.96	1.48
Alpha	1.00	Stream Power (N/m s)		102.97	0.29
Frctn Loss (m)	1.08	Cum Volume (1000 m3)		4.24	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)		7.40	0.00

Plan: Plan 03 TributarioArroyo 1 RS: 611.9851 Profile: T=50

E.G. Elev (m)	799.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	799.66	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.66	Flow Area (m2)		11.52	0.03
E.G. Slope (m/m)	0.011059	Area (m2)		11.52	0.03
Q Total (m3/s)	26.25	Flow (m3/s)		26.23	0.02
Top Width (m)	22.37	Top Width (m)		21.91	0.46
Vel Total (m/s)	2.27	Avg. Vel. (m/s)		2.28	0.57
Max Chl Dpth (m)	0.82	Hydr. Depth (m)		0.53	0.07
Conv. Total (m3/s)	249.6	Conv. (m3/s)		249.5	0.2
Length Wtd. (m)	90.88	Wetted Per. (m)		22.03	0.48
Min Ch El (m)	798.84	Shear (N/m2)		56.74	7.10

Plan: Plan 03 TributarioArroyo 1 RS: 611.9851 Profile: T=50 (Continued)

Alpha	1.00	Stream Power (N/m s)		129.15	4.05
Frctn Loss (m)	1.01	Cum Volume (1000 m3)		5.53	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)		8.31	0.02

Plan: Plan 03 TributarioArroyo 1 RS: 611.9851 Profile: T=100

E.G. Elev (m)	800.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	799.78	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.78	Flow Area (m2)	0.01	14.27	0.11
E.G. Slope (m/m)	0.010244	Area (m2)	0.01	14.27	0.11
Q Total (m3/s)	36.06	Flow (m3/s)	0.01	35.96	0.10
Top Width (m)	23.11	Top Width (m)	0.24	22.00	0.87
Vel Total (m/s)	2.50	Avg. Vel. (m/s)	0.44	2.52	0.84
Max Chl Dpth (m)	0.94	Hydr. Depth (m)	0.05	0.65	0.13
Conv. Total (m3/s)	356.3	Conv. (m3/s)	0.1	355.3	1.0
Length Wtd. (m)	90.86	Wetted Per. (m)	0.26	22.12	0.91
Min Ch El (m)	798.84	Shear (N/m2)	4.70	64.83	12.59
Alpha	1.01	Stream Power (N/m s)	2.06	163.32	10.64
Frctn Loss (m)	0.94	Cum Volume (1000 m3)	0.00	7.02	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.01	8.97	0.03

Plan: Plan 03 TributarioArroyo 1 RS: 611.9851 Profile: T=500

E.G. Elev (m)	800.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.11	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.11	Flow Area (m2)	0.22	21.47	0.58
E.G. Slope (m/m)	0.008528	Area (m2)	0.22	21.47	0.58
Q Total (m3/s)	65.80	Flow (m3/s)	0.23	64.81	0.77
Top Width (m)	24.97	Top Width (m)	1.01	22.00	1.96
Vel Total (m/s)	2.96	Avg. Vel. (m/s)	1.04	3.02	1.32
Max Chl Dpth (m)	1.27	Hydr. Depth (m)	0.21	0.98	0.29
Conv. Total (m3/s)	712.5	Conv. (m3/s)	2.4	701.8	8.3
Length Wtd. (m)	90.76	Wetted Per. (m)	1.10	22.12	2.05
Min Ch El (m)	798.84	Shear (N/m2)	16.51	81.20	23.59
Alpha	1.03	Stream Power (N/m s)	17.23	245.07	31.23
Frctn Loss (m)	0.75	Cum Volume (1000 m3)	0.04	11.07	0.13
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.20	10.10	0.75

Plan: Plan 03 TributarioArroyo 1 RS: 521.1026 Profile: T=2

E.G. Elev (m)	793.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	793.31	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	793.31	Flow Area (m2)		1.32	
E.G. Slope (m/m)	0.013889	Area (m2)		1.32	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	3.45	Top Width (m)		3.45	
Vel Total (m/s)	1.95	Avg. Vel. (m/s)		1.95	
Max Chl Dpth (m)	0.63	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	21.8	Conv. (m3/s)		21.8	
Length Wtd. (m)	110.80	Wetted Per. (m)		3.75	
Min Ch El (m)	792.68	Shear (N/m2)		47.76	
Alpha	1.00	Stream Power (N/m s)		93.30	
Frctn Loss (m)	1.55	Cum Volume (1000 m3)		0.75	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.27	

Plan: Plan 03 TributarioArroyo 1 RS: 521.1026 Profile: T=5

E.G. Elev (m)	793.91	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.		0.030	
W.S. Elev (m)	793.62	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	793.62	Flow Area (m2)		2.53	
E.G. Slope (m/m)	0.012435	Area (m2)		2.53	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	4.40	Top Width (m)		4.40	
Vel Total (m/s)	2.40	Avg. Vel. (m/s)		2.40	
Max Chl Dpth (m)	0.94	Hydr. Depth (m)		0.58	
Conv. Total (m3/s)	54.5	Conv. (m3/s)		54.5	
Length Wtd. (m)	110.80	Wetted Per. (m)		4.89	
Min Ch El (m)	792.68	Shear (N/m2)		63.23	
Alpha	1.00	Stream Power (N/m s)		151.71	
Frctn Loss (m)	1.39	Cum Volume (1000 m3)		1.45	
C & E Loss (m)	0.03	Cum SA (1000 m2)		4.24	

Plan: Plan 03 TributarioArroyo 1 RS: 521.1026 Profile: T=10

E.G. Elev (m)	794.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.28	Wt. n-Val.		0.030	
W.S. Elev (m)	793.94	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	793.94	Flow Area (m2)		4.64	
E.G. Slope (m/m)	0.012425	Area (m2)		4.64	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	8.56	Top Width (m)		8.56	
Vel Total (m/s)	2.34	Avg. Vel. (m/s)		2.34	
Max Chl Dpth (m)	1.26	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	97.2	Conv. (m3/s)		97.2	
Length Wtd. (m)	110.80	Wetted Per. (m)		9.31	
Min Ch El (m)	792.68	Shear (N/m2)		60.71	
Alpha	1.00	Stream Power (N/m s)		141.78	
Frctn Loss (m)	1.32	Cum Volume (1000 m3)		2.27	
C & E Loss (m)	0.00	Cum SA (1000 m2)		5.05	

Plan: Plan 03 TributarioArroyo 1 RS: 521.1026 Profile: T=25

E.G. Elev (m)	794.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.		0.030	
W.S. Elev (m)	794.21	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.21	Flow Area (m2)		7.46	
E.G. Slope (m/m)	0.011669	Area (m2)		7.46	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	
Top Width (m)	11.76	Top Width (m)		11.76	
Vel Total (m/s)	2.52	Avg. Vel. (m/s)		2.52	
Max Chl Dpth (m)	1.53	Hydr. Depth (m)		0.63	
Conv. Total (m3/s)	174.0	Conv. (m3/s)		174.0	
Length Wtd. (m)	110.80	Wetted Per. (m)		12.73	
Min Ch El (m)	792.68	Shear (N/m2)		67.05	
Alpha	1.00	Stream Power (N/m s)		169.06	
Frctn Loss (m)	1.22	Cum Volume (1000 m3)		3.48	
C & E Loss (m)	0.00	Cum SA (1000 m2)		5.89	

Plan: Plan 03 TributarioArroyo 1 RS: 521.1026 Profile: T=50

E.G. Elev (m)	794.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.		0.030	
W.S. Elev (m)	794.40	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.40	Flow Area (m2)		9.86	
E.G. Slope (m/m)	0.011091	Area (m2)		9.86	
Q Total (m3/s)	26.25	Flow (m3/s)		26.25	

Plan: Plan 03 TributarioArroyo 1 RS: 521.1026 Profile: T=50 (Continued)

Top Width (m)	13.82	Top Width (m)		13.82	
Vel Total (m/s)	2.66	Avg. Vel. (m/s)		2.66	
Max Chl Dpth (m)	1.72	Hydr. Depth (m)		0.71	
Conv. Total (m3/s)	249.3	Conv. (m3/s)		249.3	
Length Wtd. (m)	110.80	Wetted Per. (m)		14.92	
Min Ch El (m)	792.68	Shear (N/m2)		71.85	
Alpha	1.00	Stream Power (N/m s)		191.32	
Frctn Loss (m)	1.17	Cum Volume (1000 m3)		4.55	
C & E Loss (m)	0.00	Cum SA (1000 m2)		6.69	

Plan: Plan 03 TributarioArroyo 1 RS: 521.1026 Profile: T=100

E.G. Elev (m)	795.01	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.		0.030	
W.S. Elev (m)	794.59	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.59	Flow Area (m2)		12.54	
E.G. Slope (m/m)	0.010531	Area (m2)		12.54	
Q Total (m3/s)	36.06	Flow (m3/s)		36.06	
Top Width (m)	15.11	Top Width (m)		15.11	
Vel Total (m/s)	2.88	Avg. Vel. (m/s)		2.88	
Max Chl Dpth (m)	1.91	Hydr. Depth (m)		0.83	
Conv. Total (m3/s)	351.4	Conv. (m3/s)		351.4	
Length Wtd. (m)	110.80	Wetted Per. (m)		16.27	
Min Ch El (m)	792.68	Shear (N/m2)		79.60	
Alpha	1.00	Stream Power (N/m s)		228.89	
Frctn Loss (m)	1.11	Cum Volume (1000 m3)		5.80	
C & E Loss (m)	0.00	Cum SA (1000 m2)		7.28	

Plan: Plan 03 TributarioArroyo 1 RS: 521.1026 Profile: T=500

E.G. Elev (m)	795.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	795.04	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	795.04	Flow Area (m2)	0.19	19.77	0.78
E.G. Slope (m/m)	0.008019	Area (m2)	0.19	19.77	0.78
Q Total (m3/s)	65.80	Flow (m3/s)	0.19	64.82	0.79
Top Width (m)	20.70	Top Width (m)	0.82	16.00	3.88
Vel Total (m/s)	3.17	Avg. Vel. (m/s)	1.02	3.28	1.02
Max Chl Dpth (m)	2.36	Hydr. Depth (m)	0.23	1.24	0.20
Conv. Total (m3/s)	734.8	Conv. (m3/s)	2.1	723.9	8.8
Length Wtd. (m)	110.74	Wetted Per. (m)	0.94	17.18	3.90
Min Ch El (m)	792.68	Shear (N/m2)	15.60	90.51	15.65
Alpha	1.05	Stream Power (N/m s)	15.85	296.73	15.93
Frctn Loss (m)	0.93	Cum Volume (1000 m3)	0.02	9.19	0.07
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.11	8.38	0.52

Plan: Plan 03 TributarioArroyo 1 RS: 410.3055 Profile: T=2

E.G. Elev (m)	780.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	780.08	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.08	Flow Area (m2)		1.55	
E.G. Slope (m/m)	0.014049	Area (m2)		1.55	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	5.60	Top Width (m)		5.60	
Vel Total (m/s)	1.66	Avg. Vel. (m/s)		1.66	
Max Chl Dpth (m)	0.49	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	21.7	Conv. (m3/s)		21.7	
Length Wtd. (m)	70.28	Wetted Per. (m)		5.69	
Min Ch El (m)	779.59	Shear (N/m2)		37.49	

Plan: Plan 03 TributarioArroyo 1 RS: 410.3055 Profile: T=2 (Continued)

Alpha	1.00	Stream Power (N/m s)		62.19	
Frctn Loss (m)	0.98	Cum Volume (1000 m3)		0.59	
C & E Loss (m)	0.00	Cum SA (1000 m2)		2.77	

Plan: Plan 03 TributarioArroyo 1 RS: 410.3055 Profile: T=5

E.G. Elev (m)	780.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.		0.030	
W.S. Elev (m)	780.30	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.30	Flow Area (m2)		3.01	
E.G. Slope (m/m)	0.012573	Area (m2)		3.01	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	7.45	Top Width (m)		7.45	
Vel Total (m/s)	2.02	Avg. Vel. (m/s)		2.02	
Max Chl Dpth (m)	0.71	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	54.2	Conv. (m3/s)		54.2	
Length Wtd. (m)	70.28	Wetted Per. (m)		7.60	
Min Ch El (m)	779.59	Shear (N/m2)		48.90	
Alpha	1.00	Stream Power (N/m s)		98.65	
Frctn Loss (m)	0.87	Cum Volume (1000 m3)		1.14	
C & E Loss (m)	0.01	Cum SA (1000 m2)		3.58	

Plan: Plan 03 TributarioArroyo 1 RS: 410.3055 Profile: T=10

E.G. Elev (m)	780.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	780.51	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.51	Flow Area (m2)		4.77	
E.G. Slope (m/m)	0.011455	Area (m2)		4.77	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	9.21	Top Width (m)		9.21	
Vel Total (m/s)	2.27	Avg. Vel. (m/s)		2.27	
Max Chl Dpth (m)	0.92	Hydr. Depth (m)		0.52	
Conv. Total (m3/s)	101.2	Conv. (m3/s)		101.2	
Length Wtd. (m)	70.28	Wetted Per. (m)		9.41	
Min Ch El (m)	779.59	Shear (N/m2)		56.99	
Alpha	1.00	Stream Power (N/m s)		129.33	
Frctn Loss (m)	0.80	Cum Volume (1000 m3)		1.75	
C & E Loss (m)	0.01	Cum SA (1000 m2)		4.07	

Plan: Plan 03 TributarioArroyo 1 RS: 410.3055 Profile: T=25

E.G. Elev (m)	781.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	780.76	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.76	Flow Area (m2)		7.32	
E.G. Slope (m/m)	0.010443	Area (m2)		7.32	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	
Top Width (m)	10.92	Top Width (m)		10.92	
Vel Total (m/s)	2.57	Avg. Vel. (m/s)		2.57	
Max Chl Dpth (m)	1.17	Hydr. Depth (m)		0.67	
Conv. Total (m3/s)	184.0	Conv. (m3/s)		184.0	
Length Wtd. (m)	70.28	Wetted Per. (m)		11.20	
Min Ch El (m)	779.59	Shear (N/m2)		66.99	
Alpha	1.00	Stream Power (N/m s)		171.94	
Frctn Loss (m)	0.74	Cum Volume (1000 m3)		2.66	
C & E Loss (m)	0.01	Cum SA (1000 m2)		4.63	

Plan: Plan 03 TributarioArroyo 1 RS: 410.3055 Profile: T=50

E.G. Elev (m)	781.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.		0.030	
W.S. Elev (m)	780.94	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.94	Flow Area (m2)		9.38	
E.G. Slope (m/m)	0.010117	Area (m2)		9.38	
Q Total (m3/s)	26.25	Flow (m3/s)		26.25	
Top Width (m)	11.96	Top Width (m)		11.96	
Vel Total (m/s)	2.80	Avg. Vel. (m/s)		2.80	
Max Chl Dpth (m)	1.35	Hydr. Depth (m)		0.78	
Conv. Total (m3/s)	261.0	Conv. (m3/s)		261.0	
Length Wtd. (m)	70.28	Wetted Per. (m)		12.29	
Min Ch El (m)	779.59	Shear (N/m2)		75.68	
Alpha	1.00	Stream Power (N/m s)		211.85	
Frctn Loss (m)	0.71	Cum Volume (1000 m3)		3.49	
C & E Loss (m)	0.01	Cum SA (1000 m2)		5.26	

Plan: Plan 03 TributarioArroyo 1 RS: 410.3055 Profile: T=100

E.G. Elev (m)	781.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.		0.030	
W.S. Elev (m)	781.16	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.16	Flow Area (m2)		12.04	
E.G. Slope (m/m)	0.009478	Area (m2)		12.04	
Q Total (m3/s)	36.06	Flow (m3/s)		36.06	
Top Width (m)	13.18	Top Width (m)		13.18	
Vel Total (m/s)	2.99	Avg. Vel. (m/s)		2.99	
Max Chl Dpth (m)	1.57	Hydr. Depth (m)		0.91	
Conv. Total (m3/s)	370.4	Conv. (m3/s)		370.4	
Length Wtd. (m)	70.28	Wetted Per. (m)		13.59	
Min Ch El (m)	779.59	Shear (N/m2)		82.38	
Alpha	1.00	Stream Power (N/m s)		246.67	
Frctn Loss (m)	0.67	Cum Volume (1000 m3)		4.44	
C & E Loss (m)	0.01	Cum SA (1000 m2)		5.71	

Plan: Plan 03 TributarioArroyo 1 RS: 410.3055 Profile: T=500

E.G. Elev (m)	782.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.60	Wt. n-Val.	0.030	0.030	0.000
W.S. Elev (m)	781.64	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.64	Flow Area (m2)	0.11	19.10	0.00
E.G. Slope (m/m)	0.008749	Area (m2)	0.11	19.10	0.00
Q Total (m3/s)	65.80	Flow (m3/s)	0.10	65.70	0.00
Top Width (m)	16.60	Top Width (m)	0.56	16.00	0.04
Vel Total (m/s)	3.43	Avg. Vel. (m/s)	0.91	3.44	0.09
Max Chl Dpth (m)	2.05	Hydr. Depth (m)	0.19	1.19	0.01
Conv. Total (m3/s)	703.5	Conv. (m3/s)	1.0	702.5	0.0
Length Wtd. (m)	70.28	Wetted Per. (m)	0.67	16.47	0.04
Min Ch El (m)	779.59	Shear (N/m2)	13.46	99.45	
Alpha	1.01	Stream Power (N/m s)	12.21	342.16	
Frctn Loss (m)	0.62	Cum Volume (1000 m3)	0.00	7.04	0.03
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.03	6.60	0.33

Plan: Plan 03 TributarioArroyo 1 RS: 340.0257 Profile: T=2

E.G. Elev (m)	770.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	770.39	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	770.39	Flow Area (m2)		1.41	
E.G. Slope (m/m)	0.013942	Area (m2)		1.41	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	

Plan: Plan 03 TributarioArroyo 1 RS: 340.0257 Profile: T=2 (Continued)

Top Width (m)	4.28	Top Width (m)		4.28	
Vel Total (m/s)	1.82	Avg. Vel. (m/s)		1.82	
Max Chl Dpth (m)	0.63	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	21.8	Conv. (m3/s)		21.8	
Length Wtd. (m)	104.00	Wetted Per. (m)		4.47	
Min Ch El (m)	769.76	Shear (N/m2)		43.14	
Alpha	1.00	Stream Power (N/m s)		78.69	
Frctn Loss (m)	1.46	Cum Volume (1000 m3)		0.48	
C & E Loss (m)	0.01	Cum SA (1000 m2)		2.42	

Plan: Plan 03 TributarioArroyo 1 RS: 340.0257 Profile: T=5

E.G. Elev (m)	770.91	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	770.66	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	770.66	Flow Area (m2)		2.70	
E.G. Slope (m/m)	0.012207	Area (m2)		2.70	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	5.33	Top Width (m)		5.33	
Vel Total (m/s)	2.25	Avg. Vel. (m/s)		2.25	
Max Chl Dpth (m)	0.90	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	55.0	Conv. (m3/s)		55.0	
Length Wtd. (m)	104.00	Wetted Per. (m)		5.65	
Min Ch El (m)	769.76	Shear (N/m2)		57.22	
Alpha	1.00	Stream Power (N/m s)		128.84	
Frctn Loss (m)	1.30	Cum Volume (1000 m3)		0.94	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.13	

Plan: Plan 03 TributarioArroyo 1 RS: 340.0257 Profile: T=10

E.G. Elev (m)	771.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	770.91	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	770.91	Flow Area (m2)		4.21	
E.G. Slope (m/m)	0.011282	Area (m2)		4.21	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	6.35	Top Width (m)		6.35	
Vel Total (m/s)	2.57	Avg. Vel. (m/s)		2.57	
Max Chl Dpth (m)	1.15	Hydr. Depth (m)		0.66	
Conv. Total (m3/s)	102.0	Conv. (m3/s)		102.0	
Length Wtd. (m)	104.00	Wetted Per. (m)		6.79	
Min Ch El (m)	769.76	Shear (N/m2)		68.59	
Alpha	1.00	Stream Power (N/m s)		176.58	
Frctn Loss (m)	1.19	Cum Volume (1000 m3)		1.44	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.52	

Plan: Plan 03 TributarioArroyo 1 RS: 340.0257 Profile: T=25

E.G. Elev (m)	771.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.		0.030	
W.S. Elev (m)	771.24	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.24	Flow Area (m2)		6.46	
E.G. Slope (m/m)	0.010489	Area (m2)		6.46	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	
Top Width (m)	7.61	Top Width (m)		7.61	
Vel Total (m/s)	2.91	Avg. Vel. (m/s)		2.91	
Max Chl Dpth (m)	1.48	Hydr. Depth (m)		0.85	
Conv. Total (m3/s)	183.6	Conv. (m3/s)		183.6	
Length Wtd. (m)	104.00	Wetted Per. (m)		8.21	
Min Ch El (m)	769.76	Shear (N/m2)		80.96	

Plan: Plan 03 TributarioArroyo 1 RS: 340.0257 Profile: T=25 (Continued)

Alpha	1.00	Stream Power (N/m s)		235.60	
Frctn Loss (m)	1.09	Cum Volume (1000 m3)		2.18	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.98	

Plan: Plan 03 TributarioArroyo 1 RS: 340.0257 Profile: T=50

E.G. Elev (m)	771.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.50	Wt. n-Val.		0.030	
W.S. Elev (m)	771.47	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.47	Flow Area (m2)		8.35	
E.G. Slope (m/m)	0.010073	Area (m2)		8.35	
Q Total (m3/s)	26.25	Flow (m3/s)		26.25	
Top Width (m)	8.45	Top Width (m)		8.45	
Vel Total (m/s)	3.14	Avg. Vel. (m/s)		3.14	
Max Chl Dpth (m)	1.71	Hydr. Depth (m)		0.99	
Conv. Total (m3/s)	261.6	Conv. (m3/s)		261.6	
Length Wtd. (m)	104.00	Wetted Per. (m)		9.17	
Min Ch El (m)	769.76	Shear (N/m2)		89.98	
Alpha	1.00	Stream Power (N/m s)		282.89	
Frctn Loss (m)	1.06	Cum Volume (1000 m3)		2.87	
C & E Loss (m)	0.04	Cum SA (1000 m2)		4.55	

Plan: Plan 03 TributarioArroyo 1 RS: 340.0257 Profile: T=100

E.G. Elev (m)	772.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.		0.030	
W.S. Elev (m)	771.73	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.73	Flow Area (m2)		10.66	
E.G. Slope (m/m)	0.009676	Area (m2)		10.66	
Q Total (m3/s)	36.06	Flow (m3/s)		36.06	
Top Width (m)	9.30	Top Width (m)		9.30	
Vel Total (m/s)	3.38	Avg. Vel. (m/s)		3.38	
Max Chl Dpth (m)	1.97	Hydr. Depth (m)		1.15	
Conv. Total (m3/s)	366.6	Conv. (m3/s)		366.6	
Length Wtd. (m)	104.00	Wetted Per. (m)		10.16	
Min Ch El (m)	769.76	Shear (N/m2)		99.49	
Alpha	1.00	Stream Power (N/m s)		336.66	
Frctn Loss (m)	1.02	Cum Volume (1000 m3)		3.64	
C & E Loss (m)	0.05	Cum SA (1000 m2)		4.92	

Plan: Plan 03 TributarioArroyo 1 RS: 340.0257 Profile: T=500

E.G. Elev (m)	773.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.76	Wt. n-Val.		0.030	
W.S. Elev (m)	772.35	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	772.35	Flow Area (m2)		17.01	
E.G. Slope (m/m)	0.008959	Area (m2)		17.01	
Q Total (m3/s)	65.80	Flow (m3/s)		65.80	
Top Width (m)	11.32	Top Width (m)		11.32	
Vel Total (m/s)	3.87	Avg. Vel. (m/s)		3.87	
Max Chl Dpth (m)	2.59	Hydr. Depth (m)		1.50	
Conv. Total (m3/s)	695.2	Conv. (m3/s)		695.2	
Length Wtd. (m)	103.97	Wetted Per. (m)		12.53	
Min Ch El (m)	769.76	Shear (N/m2)		119.26	
Alpha	1.00	Stream Power (N/m s)		461.31	
Frctn Loss (m)	0.89	Cum Volume (1000 m3)	0.00	5.77	0.03
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.01	5.64	0.32

Plan: Plan 03 TributarioArroyo 1 RS: 236.0229 Profile: T=2

E.G. Elev (m)	759.94	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	759.81	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	759.81	Flow Area (m2)		1.59	
E.G. Slope (m/m)	0.014206	Area (m2)		1.59	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	6.05	Top Width (m)		6.05	
Vel Total (m/s)	1.62	Avg. Vel. (m/s)		1.62	
Max Chl Dpth (m)	0.43	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	21.6	Conv. (m3/s)		21.6	
Length Wtd. (m)	79.99	Wetted Per. (m)		6.13	
Min Ch El (m)	759.38	Shear (N/m2)		36.13	
Alpha	1.00	Stream Power (N/m s)		58.37	
Frctn Loss (m)	1.17	Cum Volume (1000 m3)		0.33	
C & E Loss (m)	0.01	Cum SA (1000 m2)		1.89	

Plan: Plan 03 TributarioArroyo 1 RS: 236.0229 Profile: T=5

E.G. Elev (m)	760.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	760.02	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.02	Flow Area (m2)		3.09	
E.G. Slope (m/m)	0.012709	Area (m2)		3.09	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	8.01	Top Width (m)		8.01	
Vel Total (m/s)	1.97	Avg. Vel. (m/s)		1.97	
Max Chl Dpth (m)	0.64	Hydr. Depth (m)		0.39	
Conv. Total (m3/s)	53.9	Conv. (m3/s)		53.9	
Length Wtd. (m)	79.99	Wetted Per. (m)		8.14	
Min Ch El (m)	759.38	Shear (N/m2)		47.27	
Alpha	1.00	Stream Power (N/m s)		93.08	
Frctn Loss (m)	1.03	Cum Volume (1000 m3)		0.64	
C & E Loss (m)	0.01	Cum SA (1000 m2)		2.44	

Plan: Plan 03 TributarioArroyo 1 RS: 236.0229 Profile: T=10

E.G. Elev (m)	760.48	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	760.21	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.21	Flow Area (m2)		4.71	
E.G. Slope (m/m)	0.011514	Area (m2)		4.71	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	8.92	Top Width (m)		8.92	
Vel Total (m/s)	2.30	Avg. Vel. (m/s)		2.30	
Max Chl Dpth (m)	0.83	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	100.9	Conv. (m3/s)		100.9	
Length Wtd. (m)	79.99	Wetted Per. (m)		9.13	
Min Ch El (m)	759.38	Shear (N/m2)		58.22	
Alpha	1.00	Stream Power (N/m s)		133.89	
Frctn Loss (m)	0.95	Cum Volume (1000 m3)		0.97	
C & E Loss (m)	0.01	Cum SA (1000 m2)		2.73	

Plan: Plan 03 TributarioArroyo 1 RS: 236.0229 Profile: T=25

E.G. Elev (m)	760.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.		0.030	
W.S. Elev (m)	760.47	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.47	Flow Area (m2)		7.12	
E.G. Slope (m/m)	0.010462	Area (m2)		7.12	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	

Plan: Plan 03 TributarioArroyo 1 RS: 236.0229 Profile: T=25 (Continued)

Top Width (m)	10.12	Top Width (m)		10.12	
Vel Total (m/s)	2.64	Avg. Vel. (m/s)		2.64	
Max Chl Dpth (m)	1.09	Hydr. Depth (m)		0.70	
Conv. Total (m3/s)	183.8	Conv. (m3/s)		183.8	
Length Wtd. (m)	79.99	Wetted Per. (m)		10.44	
Min Ch El (m)	759.38	Shear (N/m2)		69.96	
Alpha	1.00	Stream Power (N/m s)		184.79	
Frctn Loss (m)	0.86	Cum Volume (1000 m3)		1.47	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.06	

Plan: Plan 03 TributarioArroyo 1 RS: 236.0229 Profile: T=50

E.G. Elev (m)	761.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.		0.030	
W.S. Elev (m)	760.70	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.70	Flow Area (m2)		9.82	
E.G. Slope (m/m)	0.010345	Area (m2)		9.82	
Q Total (m3/s)	26.25	Flow (m3/s)		26.25	
Top Width (m)	13.55	Top Width (m)		13.55	
Vel Total (m/s)	2.67	Avg. Vel. (m/s)		2.67	
Max Chl Dpth (m)	1.32	Hydr. Depth (m)		0.72	
Conv. Total (m3/s)	258.1	Conv. (m3/s)		258.1	
Length Wtd. (m)	79.99	Wetted Per. (m)		14.01	
Min Ch El (m)	759.38	Shear (N/m2)		71.07	
Alpha	1.00	Stream Power (N/m s)		190.07	
Frctn Loss (m)	0.84	Cum Volume (1000 m3)		1.92	
C & E Loss (m)	0.01	Cum SA (1000 m2)		3.40	

Plan: Plan 03 TributarioArroyo 1 RS: 236.0229 Profile: T=100

E.G. Elev (m)	761.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.		0.030	
W.S. Elev (m)	760.88	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.88	Flow Area (m2)		12.46	
E.G. Slope (m/m)	0.009855	Area (m2)		12.46	
Q Total (m3/s)	36.06	Flow (m3/s)		36.06	
Top Width (m)	14.69	Top Width (m)		14.69	
Vel Total (m/s)	2.89	Avg. Vel. (m/s)		2.89	
Max Chl Dpth (m)	1.50	Hydr. Depth (m)		0.85	
Conv. Total (m3/s)	363.2	Conv. (m3/s)		363.2	
Length Wtd. (m)	79.99	Wetted Per. (m)		15.23	
Min Ch El (m)	759.38	Shear (N/m2)		79.05	
Alpha	1.00	Stream Power (N/m s)		228.78	
Frctn Loss (m)	0.80	Cum Volume (1000 m3)		2.44	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.68	

Plan: Plan 03 TributarioArroyo 1 RS: 236.0229 Profile: T=500

E.G. Elev (m)	761.90	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	761.36	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	761.36	Flow Area (m2)	0.00	20.15	0.37
E.G. Slope (m/m)	0.008162	Area (m2)	0.00	20.15	0.37
Q Total (m3/s)	65.80	Flow (m3/s)	0.00	65.55	0.24
Top Width (m)	20.88	Top Width (m)	0.13	17.24	3.52
Vel Total (m/s)	3.21	Avg. Vel. (m/s)	0.28	3.25	0.67
Max Chl Dpth (m)	1.98	Hydr. Depth (m)	0.03	1.17	0.10
Conv. Total (m3/s)	728.3	Conv. (m3/s)	0.0	725.6	2.7
Length Wtd. (m)	79.99	Wetted Per. (m)	0.14	17.94	3.53
Min Ch El (m)	759.38	Shear (N/m2)	2.32	89.89	8.33

Plan: Plan 03 TributarioArroyo 1 RS: 236.0229 Profile: T=500 (Continued)

Alpha	1.03	Stream Power (N/m s)	0.66	292.45	5.55
Frctn Loss (m)	0.69	Cum Volume (1000 m3)	0.00	3.84	0.02
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.01	4.16	0.17

Plan: Plan 03 TributarioArroyo 1 RS: 156.0341 Profile: T=2

E.G. Elev (m)	752.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	752.58	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	752.58	Flow Area (m2)		1.72	
E.G. Slope (m/m)	0.015123	Area (m2)		1.72	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	7.83	Top Width (m)		7.83	
Vel Total (m/s)	1.49	Avg. Vel. (m/s)		1.49	
Max Chl Dpth (m)	0.37	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	20.9	Conv. (m3/s)		20.9	
Length Wtd. (m)	96.20	Wetted Per. (m)		7.87	
Min Ch El (m)	752.21	Shear (N/m2)		32.51	
Alpha	1.00	Stream Power (N/m s)		48.44	
Frctn Loss (m)	1.61	Cum Volume (1000 m3)		0.20	
C & E Loss (m)	0.02	Cum SA (1000 m2)		1.33	

Plan: Plan 03 TributarioArroyo 1 RS: 156.0341 Profile: T=5

E.G. Elev (m)	752.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	752.76	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	752.76	Flow Area (m2)		3.35	
E.G. Slope (m/m)	0.013158	Area (m2)		3.35	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	10.20	Top Width (m)		10.20	
Vel Total (m/s)	1.81	Avg. Vel. (m/s)		1.81	
Max Chl Dpth (m)	0.55	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	53.0	Conv. (m3/s)		53.0	
Length Wtd. (m)	96.20	Wetted Per. (m)		10.28	
Min Ch El (m)	752.21	Shear (N/m2)		42.11	
Alpha	1.00	Stream Power (N/m s)		76.34	
Frctn Loss (m)	1.40	Cum Volume (1000 m3)		0.38	
C & E Loss (m)	0.02	Cum SA (1000 m2)		1.71	

Plan: Plan 03 TributarioArroyo 1 RS: 156.0341 Profile: T=10

E.G. Elev (m)	753.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	752.92	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	752.92	Flow Area (m2)		5.21	
E.G. Slope (m/m)	0.012150	Area (m2)		5.21	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	12.14	Top Width (m)		12.14	
Vel Total (m/s)	2.08	Avg. Vel. (m/s)		2.08	
Max Chl Dpth (m)	0.71	Hydr. Depth (m)		0.43	
Conv. Total (m3/s)	98.3	Conv. (m3/s)		98.3	
Length Wtd. (m)	96.20	Wetted Per. (m)		12.25	
Min Ch El (m)	752.21	Shear (N/m2)		50.70	
Alpha	1.00	Stream Power (N/m s)		105.38	
Frctn Loss (m)	1.28	Cum Volume (1000 m3)		0.58	
C & E Loss (m)	0.03	Cum SA (1000 m2)		1.88	

Plan: Plan 03 TributarioArroyo 1 RS: 156.0341 Profile: T=25

E.G. Elev (m)	753.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.28	Wt. n-Val.		0.030	
W.S. Elev (m)	753.13	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.13	Flow Area (m2)		8.00	
E.G. Slope (m/m)	0.011073	Area (m2)		8.00	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	
Top Width (m)	14.42	Top Width (m)		14.42	
Vel Total (m/s)	2.35	Avg. Vel. (m/s)		2.35	
Max Chl Dpth (m)	0.92	Hydr. Depth (m)		0.55	
Conv. Total (m3/s)	178.7	Conv. (m3/s)		178.7	
Length Wtd. (m)	96.20	Wetted Per. (m)		14.57	
Min Ch El (m)	752.21	Shear (N/m2)		59.60	
Alpha	1.00	Stream Power (N/m s)		140.15	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)		0.87	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.08	

Plan: Plan 03 TributarioArroyo 1 RS: 156.0341 Profile: T=50

E.G. Elev (m)	753.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.		0.030	
W.S. Elev (m)	753.29	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.29	Flow Area (m2)		10.40	
E.G. Slope (m/m)	0.010562	Area (m2)		10.40	
Q Total (m3/s)	26.25	Flow (m3/s)		26.25	
Top Width (m)	16.28	Top Width (m)		16.28	
Vel Total (m/s)	2.52	Avg. Vel. (m/s)		2.52	
Max Chl Dpth (m)	1.08	Hydr. Depth (m)		0.64	
Conv. Total (m3/s)	255.4	Conv. (m3/s)		255.4	
Length Wtd. (m)	96.20	Wetted Per. (m)		16.46	
Min Ch El (m)	752.21	Shear (N/m2)		65.46	
Alpha	1.00	Stream Power (N/m s)		165.17	
Frctn Loss (m)	1.08	Cum Volume (1000 m3)		1.11	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.21	

Plan: Plan 03 TributarioArroyo 1 RS: 156.0341 Profile: T=100

E.G. Elev (m)	753.83	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	
W.S. Elev (m)	753.46	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.46	Flow Area (m2)		13.44	
E.G. Slope (m/m)	0.010103	Area (m2)		13.44	
Q Total (m3/s)	36.06	Flow (m3/s)		36.06	
Top Width (m)	18.54	Top Width (m)		18.54	
Vel Total (m/s)	2.68	Avg. Vel. (m/s)		2.68	
Max Chl Dpth (m)	1.25	Hydr. Depth (m)		0.72	
Conv. Total (m3/s)	358.8	Conv. (m3/s)		358.8	
Length Wtd. (m)	96.20	Wetted Per. (m)		18.75	
Min Ch El (m)	752.21	Shear (N/m2)		71.01	
Alpha	1.00	Stream Power (N/m s)		190.56	
Frctn Loss (m)	1.02	Cum Volume (1000 m3)		1.41	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.35	

Plan: Plan 03 TributarioArroyo 1 RS: 156.0341 Profile: T=500

E.G. Elev (m)	754.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.48	Wt. n-Val.		0.030	
W.S. Elev (m)	753.85	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.85	Flow Area (m2)		21.39	
E.G. Slope (m/m)	0.009174	Area (m2)		21.39	
Q Total (m3/s)	65.80	Flow (m3/s)		65.80	

Plan: Plan 03 TributarioArroyo 1 RS: 156.0341 Profile: T=500 (Continued)

Top Width (m)	22.31	Top Width (m)		22.31	
Vel Total (m/s)	3.08	Avg. Vel. (m/s)		3.08	
Max Chl Dpth (m)	1.64	Hydr. Depth (m)		0.96	
Conv. Total (m3/s)	687.0	Conv. (m3/s)		687.0	
Length Wtd. (m)	96.20	Wetted Per. (m)		22.63	
Min Ch El (m)	752.21	Shear (N/m2)		85.06	
Alpha	1.00	Stream Power (N/m s)		261.62	
Frctn Loss (m)	0.91	Cum Volume (1000 m3)		2.18	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.58	0.02

Plan: Plan 03 TributarioArroyo 1 RS: 59.83515 Profile: T=2

E.G. Elev (m)	746.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	
W.S. Elev (m)	746.73	Reach Len. (m)			
Crit W.S. (m)	746.73	Flow Area (m2)		2.35	
E.G. Slope (m/m)	0.018633	Area (m2)		2.35	
Q Total (m3/s)	2.57	Flow (m3/s)		2.57	
Top Width (m)	19.88	Top Width (m)		19.88	
Vel Total (m/s)	1.09	Avg. Vel. (m/s)		1.09	
Max Chl Dpth (m)	0.25	Hydr. Depth (m)		0.12	
Conv. Total (m3/s)	18.8	Conv. (m3/s)		18.8	
Length Wtd. (m)		Wetted Per. (m)		19.90	
Min Ch El (m)	746.48	Shear (N/m2)		21.56	
Alpha	1.00	Stream Power (N/m s)		23.60	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 TributarioArroyo 1 RS: 59.83515 Profile: T=5

E.G. Elev (m)	746.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	746.83	Reach Len. (m)			
Crit W.S. (m)	746.83	Flow Area (m2)		4.53	
E.G. Slope (m/m)	0.016203	Area (m2)		4.53	
Q Total (m3/s)	6.08	Flow (m3/s)		6.08	
Top Width (m)	25.38	Top Width (m)		25.38	
Vel Total (m/s)	1.34	Avg. Vel. (m/s)		1.34	
Max Chl Dpth (m)	0.35	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	47.8	Conv. (m3/s)		47.8	
Length Wtd. (m)		Wetted Per. (m)		25.42	
Min Ch El (m)	746.48	Shear (N/m2)		28.30	
Alpha	1.00	Stream Power (N/m s)		38.01	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 TributarioArroyo 1 RS: 59.83515 Profile: T=10

E.G. Elev (m)	747.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	746.92	Reach Len. (m)			
Crit W.S. (m)	746.92	Flow Area (m2)		6.78	
E.G. Slope (m/m)	0.014543	Area (m2)		6.78	
Q Total (m3/s)	10.83	Flow (m3/s)		10.83	
Top Width (m)	27.04	Top Width (m)		27.04	
Vel Total (m/s)	1.60	Avg. Vel. (m/s)		1.60	
Max Chl Dpth (m)	0.44	Hydr. Depth (m)		0.25	
Conv. Total (m3/s)	89.8	Conv. (m3/s)		89.8	
Length Wtd. (m)		Wetted Per. (m)		27.10	
Min Ch El (m)	746.48	Shear (N/m2)		35.70	

Plan: Plan 03 TributarioArroyo 1 RS: 59.83515 Profile: T=10 (Continued)

Alpha	1.00	Stream Power (N/m s)		57.00	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 TributarioArroyo 1 RS: 59.83515 Profile: T=25

E.G. Elev (m)	747.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	747.03	Reach Len. (m)			
Crit W.S. (m)	747.03	Flow Area (m2)		10.05	
E.G. Slope (m/m)	0.012812	Area (m2)		10.05	
Q Total (m3/s)	18.80	Flow (m3/s)		18.80	
Top Width (m)	28.74	Top Width (m)		28.74	
Vel Total (m/s)	1.87	Avg. Vel. (m/s)		1.87	
Max Chl Dpth (m)	0.55	Hydr. Depth (m)		0.35	
Conv. Total (m3/s)	166.1	Conv. (m3/s)		166.1	
Length Wtd. (m)		Wetted Per. (m)		28.81	
Min Ch El (m)	746.48	Shear (N/m2)		43.84	
Alpha	1.00	Stream Power (N/m s)		81.98	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 TributarioArroyo 1 RS: 59.83515 Profile: T=50

E.G. Elev (m)	747.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	747.12	Reach Len. (m)			
Crit W.S. (m)	747.12	Flow Area (m2)		12.73	
E.G. Slope (m/m)	0.011844	Area (m2)		12.73	
Q Total (m3/s)	26.25	Flow (m3/s)		26.25	
Top Width (m)	29.62	Top Width (m)		29.62	
Vel Total (m/s)	2.06	Avg. Vel. (m/s)		2.06	
Max Chl Dpth (m)	0.64	Hydr. Depth (m)		0.43	
Conv. Total (m3/s)	241.2	Conv. (m3/s)		241.2	
Length Wtd. (m)		Wetted Per. (m)		29.72	
Min Ch El (m)	746.48	Shear (N/m2)		49.76	
Alpha	1.00	Stream Power (N/m s)		102.60	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 TributarioArroyo 1 RS: 59.83515 Profile: T=100

E.G. Elev (m)	747.49	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	747.23	Reach Len. (m)			
Crit W.S. (m)	747.23	Flow Area (m2)		15.79	
E.G. Slope (m/m)	0.011238	Area (m2)		15.79	
Q Total (m3/s)	36.06	Flow (m3/s)		36.06	
Top Width (m)	30.27	Top Width (m)		30.27	
Vel Total (m/s)	2.28	Avg. Vel. (m/s)		2.28	
Max Chl Dpth (m)	0.75	Hydr. Depth (m)		0.52	
Conv. Total (m3/s)	340.2	Conv. (m3/s)		340.2	
Length Wtd. (m)		Wetted Per. (m)		30.40	
Min Ch El (m)	746.48	Shear (N/m2)		57.25	
Alpha	1.00	Stream Power (N/m s)		130.73	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 TributarioArroyo 1 RS: 59.83515 Profile: T=500

E.G. Elev (m)	747.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	747.49	Reach Len. (m)			
Crit W.S. (m)	747.49	Flow Area (m2)		23.89	0.04
E.G. Slope (m/m)	0.009838	Area (m2)		23.89	0.04
Q Total (m3/s)	65.80	Flow (m3/s)		65.77	0.03
Top Width (m)	31.72	Top Width (m)		31.27	0.44
Vel Total (m/s)	2.75	Avg. Vel. (m/s)		2.75	0.67
Max Chl Dpth (m)	1.01	Hydr. Depth (m)		0.76	0.10
Conv. Total (m3/s)	663.4	Conv. (m3/s)		663.1	0.3
Length Wtd. (m)		Wetted Per. (m)		31.46	0.49
Min Ch El (m)	746.48	Shear (N/m2)		73.28	8.78
Alpha	1.00	Stream Power (N/m s)		201.72	5.88
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

ESCENARIO SUELO NORMAL

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=2

E.G. Elev (m)	816.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	816.32	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.32	Flow Area (m2)		4.52	0.01
E.G. Slope (m/m)	0.015586	Area (m2)		4.52	0.01
Q Total (m3/s)	6.68	Flow (m3/s)		6.67	0.01
Top Width (m)	21.76	Top Width (m)		21.30	0.46
Vel Total (m/s)	1.47	Avg. Vel. (m/s)		1.48	0.41
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.21	0.03
Conv. Total (m3/s)	53.5	Conv. (m3/s)		53.5	0.0
Length Wtd. (m)	183.72	Wetted Per. (m)		21.41	0.46
Min Ch El (m)	815.82	Shear (N/m2)		32.28	4.71
Alpha	1.00	Stream Power (N/m s)		47.65	1.92
Frctn Loss (m)	5.44	Cum Volume (1000 m3)	0.05	3.00	0.00
C & E Loss (m)	0.04	Cum SA (1000 m2)	0.50	13.32	0.04

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=5

E.G. Elev (m)	816.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.46	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.46	Flow Area (m2)	0.04	7.60	0.15
E.G. Slope (m/m)	0.012258	Area (m2)	0.04	7.60	0.15
Q Total (m3/s)	13.94	Flow (m3/s)	0.02	13.80	0.12
Top Width (m)	24.38	Top Width (m)	0.97	21.91	1.50
Vel Total (m/s)	1.79	Avg. Vel. (m/s)	0.47	1.82	0.80
Max Chl Dpth (m)	0.64	Hydr. Depth (m)	0.05	0.35	0.10
Conv. Total (m3/s)	125.9	Conv. (m3/s)	0.2	124.6	1.1
Length Wtd. (m)	183.62	Wetted Per. (m)	0.97	22.02	1.52
Min Ch El (m)	815.82	Shear (N/m2)	5.49	41.48	12.11
Alpha	1.02	Stream Power (N/m s)	2.59	75.32	9.67
Frctn Loss (m)	4.95	Cum Volume (1000 m3)	0.13	4.92	0.01
C & E Loss (m)	0.09	Cum SA (1000 m2)	0.87	15.12	0.15

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=10

E.G. Elev (m)	816.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.53	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.53	Flow Area (m2)	0.13	9.08	0.27
E.G. Slope (m/m)	0.011540	Area (m2)	0.13	9.08	0.27
Q Total (m3/s)	18.37	Flow (m3/s)	0.09	18.03	0.26
Top Width (m)	25.60	Top Width (m)	1.68	21.91	2.01
Vel Total (m/s)	1.94	Avg. Vel. (m/s)	0.66	1.98	0.94
Max Chl Dpth (m)	0.71	Hydr. Depth (m)	0.08	0.41	0.14
Conv. Total (m3/s)	171.0	Conv. (m3/s)	0.8	167.8	2.4
Length Wtd. (m)	183.58	Wetted Per. (m)	1.69	22.02	2.03
Min Ch El (m)	815.82	Shear (N/m2)	8.99	46.69	15.19
Alpha	1.04	Stream Power (N/m s)	5.94	92.64	14.26
Frctn Loss (m)	4.73	Cum Volume (1000 m3)	0.18	6.00	0.03
C & E Loss (m)	0.11	Cum SA (1000 m2)	1.21	16.58	0.31

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=25

E.G. Elev (m)	816.84	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.61	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.61	Flow Area (m2)	0.31	10.91	0.47
E.G. Slope (m/m)	0.010562	Area (m2)	0.31	10.91	0.47
Q Total (m3/s)	24.16	Flow (m3/s)	0.26	23.41	0.50

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=25 (Continued)

Top Width (m)	27.30	Top Width (m)	2.68	21.91	2.70
Vel Total (m/s)	2.07	Avg. Vel. (m/s)	0.82	2.15	1.06
Max Chl Dpth (m)	0.79	Hydr. Depth (m)	0.12	0.50	0.17
Conv. Total (m3/s)	235.1	Conv. (m3/s)	2.5	227.8	4.8
Length Wtd. (m)	183.56	Wetted Per. (m)	2.69	22.02	2.73
Min Ch El (m)	815.82	Shear (N/m2)	12.05	51.33	17.80
Alpha	1.05	Stream Power (N/m s)	9.84	110.11	18.85
Frctn Loss (m)	4.46	Cum Volume (1000 m3)	0.29	7.19	0.05
C & E Loss (m)	0.14	Cum SA (1000 m2)	1.92	17.29	0.47

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=50

E.G. Elev (m)	816.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.68	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.68	Flow Area (m2)	0.51	12.32	0.66
E.G. Slope (m/m)	0.009786	Area (m2)	0.51	12.32	0.66
Q Total (m3/s)	28.78	Flow (m3/s)	0.47	27.57	0.75
Top Width (m)	28.68	Top Width (m)	3.54	21.91	3.24
Vel Total (m/s)	2.13	Avg. Vel. (m/s)	0.91	2.24	1.13
Max Chl Dpth (m)	0.86	Hydr. Depth (m)	0.14	0.56	0.20
Conv. Total (m3/s)	290.9	Conv. (m3/s)	4.7	278.7	7.6
Length Wtd. (m)	183.55	Wetted Per. (m)	3.55	22.02	3.26
Min Ch El (m)	815.82	Shear (N/m2)	13.86	53.67	19.37
Alpha	1.06	Stream Power (N/m s)	12.58	120.14	21.98
Frctn Loss (m)	4.24	Cum Volume (1000 m3)	0.38	8.02	0.08
C & E Loss (m)	0.16	Cum SA (1000 m2)	2.21	17.44	0.62

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=100

E.G. Elev (m)	817.01	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.75	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.75	Flow Area (m2)	0.78	13.78	0.89
E.G. Slope (m/m)	0.009254	Area (m2)	0.78	13.78	0.89
Q Total (m3/s)	34.22	Flow (m3/s)	0.80	32.33	1.09
Top Width (m)	29.96	Top Width (m)	4.25	21.91	3.79
Vel Total (m/s)	2.21	Avg. Vel. (m/s)	1.03	2.35	1.22
Max Chl Dpth (m)	0.93	Hydr. Depth (m)	0.18	0.63	0.24
Conv. Total (m3/s)	355.7	Conv. (m3/s)	8.3	336.1	11.3
Length Wtd. (m)	183.56	Wetted Per. (m)	4.27	22.02	3.82
Min Ch El (m)	815.82	Shear (N/m2)	16.51	56.79	21.21
Alpha	1.08	Stream Power (N/m s)	17.00	133.24	25.80
Frctn Loss (m)	4.08	Cum Volume (1000 m3)	0.50	8.95	0.12
C & E Loss (m)	0.18	Cum SA (1000 m2)	2.50	17.73	0.82

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=500

E.G. Elev (m)	817.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.89	Reach Len. (m)	209.97	183.73	153.55
Crit W.S. (m)	816.89	Flow Area (m2)	1.48	17.06	1.52
E.G. Slope (m/m)	0.008501	Area (m2)	1.48	17.06	1.52
Q Total (m3/s)	48.43	Flow (m3/s)	1.97	44.21	2.26
Top Width (m)	31.59	Top Width (m)	5.22	21.91	4.46
Vel Total (m/s)	2.41	Avg. Vel. (m/s)	1.32	2.59	1.49
Max Chl Dpth (m)	1.07	Hydr. Depth (m)	0.28	0.78	0.34
Conv. Total (m3/s)	525.3	Conv. (m3/s)	21.3	479.5	24.5
Length Wtd. (m)	183.62	Wetted Per. (m)	5.25	22.02	4.51
Min Ch El (m)	815.82	Shear (N/m2)	23.59	64.57	28.05

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1243.640 Profile: T=500 (Continued)

Alpha	1.08	Stream Power (N/m s)	31.26	167.35	41.70
Frctn Loss (m)	3.82	Cum Volume (1000 m3)	0.85	11.14	0.25
C & E Loss (m)	0.20	Cum SA (1000 m2)	3.71	18.39	1.26

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=2

E.G. Elev (m)	810.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.55	Wt. n-Val.		0.030	
W.S. Elev (m)	810.39	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.55	Flow Area (m2)		2.03	
E.G. Slope (m/m)	0.076782	Area (m2)		2.03	
Q Total (m3/s)	6.68	Flow (m3/s)		6.68	
Top Width (m)	9.45	Top Width (m)		9.45	
Vel Total (m/s)	3.29	Avg. Vel. (m/s)		3.29	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	24.1	Conv. (m3/s)		24.1	
Length Wtd. (m)	189.56	Wetted Per. (m)		9.56	
Min Ch El (m)	809.89	Shear (N/m2)		159.94	
Alpha	1.00	Stream Power (N/m s)		525.95	
Frctn Loss (m)	7.45	Cum Volume (1000 m3)	0.05	2.39	
C & E Loss (m)	0.12	Cum SA (1000 m2)	0.50	10.50	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=5

E.G. Elev (m)	811.59	Element	Left OB	Channel	Right OB
Vel Head (m)	1.10	Wt. n-Val.		0.030	
W.S. Elev (m)	810.49	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.80	Flow Area (m2)		3.00	
E.G. Slope (m/m)	0.100467	Area (m2)		3.00	
Q Total (m3/s)	13.94	Flow (m3/s)		13.94	
Top Width (m)	10.15	Top Width (m)		10.15	
Vel Total (m/s)	4.64	Avg. Vel. (m/s)		4.64	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	44.0	Conv. (m3/s)		44.0	
Length Wtd. (m)	189.23	Wetted Per. (m)		10.30	
Min Ch El (m)	809.89	Shear (N/m2)		287.19	
Alpha	1.00	Stream Power (N/m s)		1333.99	
Frctn Loss (m)	7.76	Cum Volume (1000 m3)	0.12	3.95	0.00
C & E Loss (m)	0.26	Cum SA (1000 m2)	0.77	12.17	0.03

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=10

E.G. Elev (m)	811.88	Element	Left OB	Channel	Right OB
Vel Head (m)	1.33	Wt. n-Val.		0.030	
W.S. Elev (m)	810.55	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	810.93	Flow Area (m2)		3.59	
E.G. Slope (m/m)	0.100992	Area (m2)		3.59	
Q Total (m3/s)	18.37	Flow (m3/s)		18.37	
Top Width (m)	10.56	Top Width (m)		10.56	
Vel Total (m/s)	5.11	Avg. Vel. (m/s)		5.11	
Max Chl Dpth (m)	0.66	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	57.8	Conv. (m3/s)		57.8	
Length Wtd. (m)	189.18	Wetted Per. (m)		10.72	
Min Ch El (m)	809.89	Shear (N/m2)		332.00	
Alpha	1.00	Stream Power (N/m s)		1697.18	
Frctn Loss (m)	7.90	Cum Volume (1000 m3)	0.16	4.84	0.01
C & E Loss (m)	0.31	Cum SA (1000 m2)	1.03	13.60	0.15

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=25

E.G. Elev (m)	812.24	Element	Left OB	Channel	Right OB
Vel Head (m)	1.63	Wt. n-Val.		0.030	
W.S. Elev (m)	810.61	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.03	Flow Area (m2)		4.27	
E.G. Slope (m/m)	0.103931	Area (m2)		4.27	
Q Total (m3/s)	24.16	Flow (m3/s)		24.16	
Top Width (m)	11.00	Top Width (m)		11.00	
Vel Total (m/s)	5.66	Avg. Vel. (m/s)		5.66	
Max Chl Dpth (m)	0.72	Hydr. Depth (m)		0.39	
Conv. Total (m3/s)	74.9	Conv. (m3/s)		74.9	
Length Wtd. (m)	188.97	Wetted Per. (m)		11.19	
Min Ch El (m)	809.89	Shear (N/m2)		389.19	
Alpha	1.00	Stream Power (N/m s)		2201.35	
Frctn Loss (m)	8.07	Cum Volume (1000 m3)	0.26	5.80	0.02
C & E Loss (m)	0.38	Cum SA (1000 m2)	1.64	14.27	0.26

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=50

E.G. Elev (m)	812.53	Element	Left OB	Channel	Right OB
Vel Head (m)	1.87	Wt. n-Val.		0.030	
W.S. Elev (m)	810.66	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.10	Flow Area (m2)		4.75	
E.G. Slope (m/m)	0.107254	Area (m2)		4.75	
Q Total (m3/s)	28.78	Flow (m3/s)		28.78	
Top Width (m)	11.31	Top Width (m)		11.31	
Vel Total (m/s)	6.06	Avg. Vel. (m/s)		6.06	
Max Chl Dpth (m)	0.77	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	87.9	Conv. (m3/s)		87.9	
Length Wtd. (m)	188.82	Wetted Per. (m)		11.51	
Min Ch El (m)	809.89	Shear (N/m2)		434.49	
Alpha	1.00	Stream Power (N/m s)		2630.91	
Frctn Loss (m)	8.21	Cum Volume (1000 m3)	0.33	6.45	0.03
C & E Loss (m)	0.44	Cum SA (1000 m2)	1.84	14.39	0.38

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=100

E.G. Elev (m)	812.76	Element	Left OB	Channel	Right OB
Vel Head (m)	2.05	Wt. n-Val.		0.030	
W.S. Elev (m)	810.71	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.17	Flow Area (m2)		5.40	
E.G. Slope (m/m)	0.109134	Area (m2)		5.40	
Q Total (m3/s)	34.22	Flow (m3/s)		34.22	
Top Width (m)	12.15	Top Width (m)		12.15	
Vel Total (m/s)	6.34	Avg. Vel. (m/s)		6.34	
Max Chl Dpth (m)	0.82	Hydr. Depth (m)		0.44	
Conv. Total (m3/s)	103.6	Conv. (m3/s)		103.6	
Length Wtd. (m)	188.68	Wetted Per. (m)		12.36	
Min Ch El (m)	809.89	Shear (N/m2)		467.51	
Alpha	1.00	Stream Power (N/m s)		2963.86	
Frctn Loss (m)	8.31	Cum Volume (1000 m3)	0.42	7.19	0.05
C & E Loss (m)	0.48	Cum SA (1000 m2)	2.05	14.60	0.53

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=500

E.G. Elev (m)	813.20	Element	Left OB	Channel	Right OB
Vel Head (m)	2.36	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	810.84	Reach Len. (m)	166.14	190.34	216.57
Crit W.S. (m)	811.34	Flow Area (m2)	0.15	7.07	0.00
E.G. Slope (m/m)	0.109027	Area (m2)	0.15	7.07	0.00
Q Total (m3/s)	48.43	Flow (m3/s)	0.21	48.22	0.00

Plan: Plan 03 ArroyoFuenteRey 1 RS: 1059.913 Profile: T=500 (Continued)

Top Width (m)	17.45	Top Width (m)	3.08	14.27	0.11
Vel Total (m/s)	6.71	Avg. Vel. (m/s)	1.45	6.82	0.75
Max Chl Dpth (m)	0.95	Hydr. Depth (m)	0.05	0.50	0.02
Conv. Total (m3/s)	146.7	Conv. (m3/s)	0.6	146.0	0.0
Length Wtd. (m)	188.36	Wetted Per. (m)	3.08	14.49	0.11
Min Ch El (m)	809.89	Shear (N/m2)	50.89	521.64	18.96
Alpha	1.03	Stream Power (N/m s)	73.56	3558.19	14.19
Frctn Loss (m)	8.46	Cum Volume (1000 m3)	0.68	8.92	0.14
C & E Loss (m)	0.53	Cum SA (1000 m2)	2.84	15.07	0.91

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=2

E.G. Elev (m)	803.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	803.23	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.26	Flow Area (m2)	0.38	3.63	
E.G. Slope (m/m)	0.023811	Area (m2)	0.38	3.63	
Q Total (m3/s)	6.68	Flow (m3/s)	0.43	6.25	
Top Width (m)	22.37	Top Width (m)	3.60	18.77	
Vel Total (m/s)	1.67	Avg. Vel. (m/s)	1.14	1.72	
Max Chl Dpth (m)	0.33	Hydr. Depth (m)	0.10	0.19	
Conv. Total (m3/s)	43.3	Conv. (m3/s)	2.8	40.5	
Length Wtd. (m)	129.26	Wetted Per. (m)	3.60	18.79	
Min Ch El (m)	802.90	Shear (N/m2)	24.45	45.15	
Alpha	1.03	Stream Power (N/m s)	27.94	77.66	
Frctn Loss (m)	5.10	Cum Volume (1000 m3)	0.02	1.85	
C & E Loss (m)	0.04	Cum SA (1000 m2)	0.20	7.81	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=5

E.G. Elev (m)	803.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.34	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.40	Flow Area (m2)	0.88	5.82	0.00
E.G. Slope (m/m)	0.022151	Area (m2)	0.88	5.82	0.00
Q Total (m3/s)	13.94	Flow (m3/s)	1.28	12.66	0.00
Top Width (m)	25.62	Top Width (m)	5.58	20.00	0.04
Vel Total (m/s)	2.08	Avg. Vel. (m/s)	1.45	2.18	0.22
Max Chl Dpth (m)	0.44	Hydr. Depth (m)	0.16	0.29	0.01
Conv. Total (m3/s)	93.7	Conv. (m3/s)	8.6	85.1	0.0
Length Wtd. (m)	128.98	Wetted Per. (m)	5.59	20.02	0.05
Min Ch El (m)	802.90	Shear (N/m2)	34.27	63.13	1.97
Alpha	1.04	Stream Power (N/m s)	49.63	137.40	0.42
Frctn Loss (m)	4.90	Cum Volume (1000 m3)	0.05	3.11	0.00
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.30	9.30	0.03

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=10

E.G. Elev (m)	803.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.39	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.46	Flow Area (m2)	1.19	6.80	0.01
E.G. Slope (m/m)	0.022658	Area (m2)	1.19	6.80	0.01
Q Total (m3/s)	18.37	Flow (m3/s)	1.76	16.60	0.00
Top Width (m)	27.59	Top Width (m)	7.44	20.00	0.15
Vel Total (m/s)	2.30	Avg. Vel. (m/s)	1.48	2.44	0.50
Max Chl Dpth (m)	0.49	Hydr. Depth (m)	0.16	0.34	0.03
Conv. Total (m3/s)	122.0	Conv. (m3/s)	11.7	110.3	0.0
Length Wtd. (m)	128.96	Wetted Per. (m)	7.45	20.02	0.17
Min Ch El (m)	802.90	Shear (N/m2)	35.56	75.45	6.96

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=10 (Continued)

Alpha	1.06	Stream Power (N/m s)	52.61	184.28	3.47
Frctn Loss (m)	4.89	Cum Volume (1000 m3)	0.07	3.85	0.01
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.41	10.69	0.13

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=25

E.G. Elev (m)	803.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.44	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.54	Flow Area (m2)	1.63	7.87	0.02
E.G. Slope (m/m)	0.023107	Area (m2)	1.63	7.87	0.02
Q Total (m3/s)	24.16	Flow (m3/s)	2.75	21.40	0.01
Top Width (m)	28.71	Top Width (m)	8.45	20.00	0.27
Vel Total (m/s)	2.54	Avg. Vel. (m/s)	1.69	2.72	0.74
Max Chl Dpth (m)	0.54	Hydr. Depth (m)	0.19	0.39	0.06
Conv. Total (m3/s)	158.9	Conv. (m3/s)	18.1	140.8	0.1
Length Wtd. (m)	128.82	Wetted Per. (m)	8.46	20.02	0.29
Min Ch El (m)	802.90	Shear (N/m2)	43.60	89.08	12.61
Alpha	1.07	Stream Power (N/m s)	73.63	242.22	9.32
Frctn Loss (m)	4.80	Cum Volume (1000 m3)	0.12	4.64	0.02
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.94	11.32	0.23

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=50

E.G. Elev (m)	803.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.48	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.59	Flow Area (m2)	1.96	8.63	0.03
E.G. Slope (m/m)	0.023381	Area (m2)	1.96	8.63	0.03
Q Total (m3/s)	28.78	Flow (m3/s)	3.64	25.11	0.02
Top Width (m)	29.20	Top Width (m)	8.85	20.00	0.35
Vel Total (m/s)	2.71	Avg. Vel. (m/s)	1.86	2.91	0.89
Max Chl Dpth (m)	0.58	Hydr. Depth (m)	0.22	0.43	0.08
Conv. Total (m3/s)	188.2	Conv. (m3/s)	23.8	164.2	0.2
Length Wtd. (m)	128.72	Wetted Per. (m)	8.86	20.02	0.38
Min Ch El (m)	802.90	Shear (N/m2)	50.63	98.86	16.73
Alpha	1.06	Stream Power (N/m s)	94.29	287.60	14.89
Frctn Loss (m)	4.74	Cum Volume (1000 m3)	0.17	5.18	0.03
C & E Loss (m)	0.07	Cum SA (1000 m2)	1.10	11.41	0.34

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=100

E.G. Elev (m)	803.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.45	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.52	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.65	Flow Area (m2)	2.33	9.46	0.04
E.G. Slope (m/m)	0.023640	Area (m2)	2.33	9.46	0.04
Q Total (m3/s)	34.22	Flow (m3/s)	4.75	29.42	0.05
Top Width (m)	29.72	Top Width (m)	9.28	20.00	0.44
Vel Total (m/s)	2.89	Avg. Vel. (m/s)	2.04	3.11	1.04
Max Chl Dpth (m)	0.62	Hydr. Depth (m)	0.25	0.47	0.10
Conv. Total (m3/s)	222.6	Conv. (m3/s)	30.9	191.3	0.3
Length Wtd. (m)	128.63	Wetted Per. (m)	9.30	20.02	0.48
Min Ch El (m)	802.90	Shear (N/m2)	58.15	109.56	21.28
Alpha	1.06	Stream Power (N/m s)	118.53	340.66	22.20
Frctn Loss (m)	4.67	Cum Volume (1000 m3)	0.23	5.77	0.05
C & E Loss (m)	0.07	Cum SA (1000 m2)	1.28	11.54	0.48

Plan: Plan 03 ArroyoFuenteRey 1 RS: 869.5711 Profile: T=500

E.G. Elev (m)	804.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.59	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.62	Reach Len. (m)	109.00	129.94	150.95
Crit W.S. (m)	803.79	Flow Area (m2)	3.26	11.35	0.10
E.G. Slope (m/m)	0.024362	Area (m2)	3.26	11.35	0.10
Q Total (m3/s)	48.43	Flow (m3/s)	7.84	40.46	0.13
Top Width (m)	30.98	Top Width (m)	10.33	20.00	0.64
Vel Total (m/s)	3.29	Avg. Vel. (m/s)	2.41	3.56	1.37
Max Chl Dpth (m)	0.72	Hydr. Depth (m)	0.32	0.57	0.15
Conv. Total (m3/s)	310.3	Conv. (m3/s)	50.2	259.2	0.8
Length Wtd. (m)	128.52	Wetted Per. (m)	10.35	20.02	0.71
Min Ch El (m)	802.90	Shear (N/m2)	75.19	135.46	32.19
Alpha	1.07	Stream Power (N/m s)	181.00	482.79	44.01
Frctn Loss (m)	4.56	Cum Volume (1000 m3)	0.39	7.17	0.12
C & E Loss (m)	0.08	Cum SA (1000 m2)	1.72	11.80	0.83

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=2

E.G. Elev (m)	798.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.50	Wt. n-Val.		0.030	
W.S. Elev (m)	797.74	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	797.89	Flow Area (m2)		2.14	
E.G. Slope (m/m)	0.077762	Area (m2)		2.14	
Q Total (m3/s)	6.68	Flow (m3/s)		6.68	
Top Width (m)	10.91	Top Width (m)		10.91	
Vel Total (m/s)	3.13	Avg. Vel. (m/s)		3.13	
Max Chl Dpth (m)	0.29	Hydr. Depth (m)		0.20	
Conv. Total (m3/s)	24.0	Conv. (m3/s)		24.0	
Length Wtd. (m)	171.74	Wetted Per. (m)		10.93	
Min Ch El (m)	797.45	Shear (N/m2)		148.91	
Alpha	1.00	Stream Power (N/m s)		465.90	
Frctn Loss (m)	6.16	Cum Volume (1000 m3)		1.48	
C & E Loss (m)	0.10	Cum SA (1000 m2)		5.89	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=5

E.G. Elev (m)	798.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.76	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	797.86	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.06	Flow Area (m2)		3.60	0.00
E.G. Slope (m/m)	0.079675	Area (m2)		3.60	0.00
Q Total (m3/s)	13.94	Flow (m3/s)		13.94	0.00
Top Width (m)	13.77	Top Width (m)		13.62	0.15
Vel Total (m/s)	3.87	Avg. Vel. (m/s)		3.87	0.36
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.26	0.01
Conv. Total (m3/s)	49.4	Conv. (m3/s)		49.4	0.0
Length Wtd. (m)	171.74	Wetted Per. (m)		13.65	0.15
Min Ch El (m)	797.45	Shear (N/m2)		206.17	5.93
Alpha	1.00	Stream Power (N/m s)		798.05	2.15
Frctn Loss (m)	6.24	Cum Volume (1000 m3)		2.50	0.00
C & E Loss (m)	0.14	Cum SA (1000 m2)		7.12	0.01

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=10

E.G. Elev (m)	798.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.81	Wt. n-Val.	0.000	0.030	0.030
W.S. Elev (m)	797.92	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.16	Flow Area (m2)	0.00	4.59	0.03
E.G. Slope (m/m)	0.075957	Area (m2)	0.00	4.59	0.03
Q Total (m3/s)	18.37	Flow (m3/s)	0.00	18.33	0.04

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=10 (Continued)

Top Width (m)	16.85	Top Width (m)	0.02	16.00	0.83
Vel Total (m/s)	3.97	Avg. Vel. (m/s)	0.12	3.99	1.10
Max Chl Dpth (m)	0.47	Hydr. Depth (m)	0.00	0.29	0.04
Conv. Total (m3/s)	66.7	Conv. (m3/s)	0.0	66.5	0.1
Length Wtd. (m)	171.71	Wetted Per. (m)	0.02	16.03	0.84
Min Ch El (m)	797.45	Shear (N/m2)		213.35	30.80
Alpha	1.01	Stream Power (N/m s)		851.67	33.84
Frctn Loss (m)	6.23	Cum Volume (1000 m3)	0.00	3.11	0.00
C & E Loss (m)	0.13	Cum SA (1000 m2)	0.01	8.35	0.06

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=25

E.G. Elev (m)	798.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.95	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	797.98	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.25	Flow Area (m2)	0.01	5.54	0.10
E.G. Slope (m/m)	0.069852	Area (m2)	0.01	5.54	0.10
Q Total (m3/s)	24.16	Flow (m3/s)	0.01	24.00	0.15
Top Width (m)	17.75	Top Width (m)	0.33	16.00	1.42
Vel Total (m/s)	4.28	Avg. Vel. (m/s)	0.86	4.34	1.51
Max Chl Dpth (m)	0.53	Hydr. Depth (m)	0.03	0.35	0.07
Conv. Total (m3/s)	91.4	Conv. (m3/s)	0.0	90.8	0.6
Length Wtd. (m)	171.66	Wetted Per. (m)	0.33	16.03	1.43
Min Ch El (m)	797.45	Shear (N/m2)	20.83	236.49	48.41
Alpha	1.02	Stream Power (N/m s)	17.88	1025.36	72.91
Frctn Loss (m)	6.25	Cum Volume (1000 m3)	0.03	3.77	0.01
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.46	8.98	0.11

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=50

E.G. Elev (m)	799.08	Element	Left OB	Channel	Right OB
Vel Head (m)	1.05	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.03	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.32	Flow Area (m2)	0.03	6.23	0.17
E.G. Slope (m/m)	0.066182	Area (m2)	0.03	6.23	0.17
Q Total (m3/s)	28.78	Flow (m3/s)	0.03	28.44	0.30
Top Width (m)	18.41	Top Width (m)	0.55	16.00	1.85
Vel Total (m/s)	4.48	Avg. Vel. (m/s)	1.19	4.57	1.75
Max Chl Dpth (m)	0.58	Hydr. Depth (m)	0.05	0.39	0.09
Conv. Total (m3/s)	111.9	Conv. (m3/s)	0.1	110.6	1.2
Length Wtd. (m)	171.62	Wetted Per. (m)	0.56	16.03	1.86
Min Ch El (m)	797.45	Shear (N/m2)	33.57	252.17	59.88
Alpha	1.03	Stream Power (N/m s)	39.96	1151.41	104.84
Frctn Loss (m)	6.26	Cum Volume (1000 m3)	0.06	4.21	0.01
C & E Loss (m)	0.16	Cum SA (1000 m2)	0.59	9.07	0.17

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=100

E.G. Elev (m)	799.23	Element	Left OB	Channel	Right OB
Vel Head (m)	1.16	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.07	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.40	Flow Area (m2)	0.06	6.99	0.28
E.G. Slope (m/m)	0.062817	Area (m2)	0.06	6.99	0.28
Q Total (m3/s)	34.22	Flow (m3/s)	0.09	33.61	0.52
Top Width (m)	19.36	Top Width (m)	0.81	16.00	2.55
Vel Total (m/s)	4.67	Avg. Vel. (m/s)	1.49	4.81	1.89
Max Chl Dpth (m)	0.62	Hydr. Depth (m)	0.08	0.44	0.11
Conv. Total (m3/s)	136.5	Conv. (m3/s)	0.4	134.1	2.1
Length Wtd. (m)	171.58	Wetted Per. (m)	0.82	16.03	2.56
Min Ch El (m)	797.45	Shear (N/m2)	46.32	268.72	66.21

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=100 (Continued)

Alpha	1.04	Stream Power (N/m s)	68.94	1291.25	125.05
Frctn Loss (m)	6.28	Cum Volume (1000 m3)	0.10	4.70	0.02
C & E Loss (m)	0.17	Cum SA (1000 m2)	0.73	9.20	0.26

Plan: Plan 03 ArroyoFuenteRey 1 RS: 739.6296 Profile: T=500

E.G. Elev (m)	799.57	Element	Left OB	Channel	Right OB
Vel Head (m)	1.38	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	798.19	Reach Len. (m)	193.45	171.74	146.60
Crit W.S. (m)	798.58	Flow Area (m2)	0.19	8.79	0.66
E.G. Slope (m/m)	0.056290	Area (m2)	0.19	8.79	0.66
Q Total (m3/s)	48.43	Flow (m3/s)	0.38	46.54	1.52
Top Width (m)	21.68	Top Width (m)	1.40	16.00	4.28
Vel Total (m/s)	5.03	Avg. Vel. (m/s)	2.03	5.30	2.28
Max Chl Dpth (m)	0.74	Hydr. Depth (m)	0.13	0.55	0.16
Conv. Total (m3/s)	204.1	Conv. (m3/s)	1.6	196.2	6.4
Length Wtd. (m)	171.43	Wetted Per. (m)	1.42	16.03	4.29
Min Ch El (m)	797.45	Shear (N/m2)	71.89	302.53	85.43
Alpha	1.07	Stream Power (N/m s)	146.09	1602.28	194.75
Frctn Loss (m)	6.29	Cum Volume (1000 m3)	0.21	5.86	0.07
C & E Loss (m)	0.18	Cum SA (1000 m2)	1.08	9.47	0.46

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=2

E.G. Elev (m)	791.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	791.79	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	791.82	Flow Area (m2)		3.58	
E.G. Slope (m/m)	0.020580	Area (m2)		3.58	
Q Total (m3/s)	6.68	Flow (m3/s)		6.68	
Top Width (m)	14.59	Top Width (m)		14.59	
Vel Total (m/s)	1.87	Avg. Vel. (m/s)		1.87	
Max Chl Dpth (m)	0.50	Hydr. Depth (m)		0.25	
Conv. Total (m3/s)	46.6	Conv. (m3/s)		46.6	
Length Wtd. (m)	178.52	Wetted Per. (m)		14.66	
Min Ch El (m)	791.29	Shear (N/m2)		49.24	
Alpha	1.00	Stream Power (N/m s)		91.94	
Frctn Loss (m)	6.88	Cum Volume (1000 m3)		0.99	
C & E Loss (m)	0.06	Cum SA (1000 m2)		3.70	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=5

E.G. Elev (m)	792.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	
W.S. Elev (m)	791.94	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.00	Flow Area (m2)		5.73	
E.G. Slope (m/m)	0.020728	Area (m2)		5.73	
Q Total (m3/s)	13.94	Flow (m3/s)		13.94	
Top Width (m)	15.80	Top Width (m)		15.80	
Vel Total (m/s)	2.43	Avg. Vel. (m/s)		2.43	
Max Chl Dpth (m)	0.65	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	96.8	Conv. (m3/s)		96.8	
Length Wtd. (m)	178.52	Wetted Per. (m)		15.91	
Min Ch El (m)	791.29	Shear (N/m2)		73.28	
Alpha	1.00	Stream Power (N/m s)		178.14	
Frctn Loss (m)	6.71	Cum Volume (1000 m3)		1.69	
C & E Loss (m)	0.07	Cum SA (1000 m2)		4.59	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=10

E.G. Elev (m)	792.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	
W.S. Elev (m)	792.00	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.09	Flow Area (m2)		6.82	
E.G. Slope (m/m)	0.021164	Area (m2)		6.82	
Q Total (m3/s)	18.37	Flow (m3/s)		18.37	
Top Width (m)	16.38	Top Width (m)		16.38	
Vel Total (m/s)	2.69	Avg. Vel. (m/s)		2.69	
Max Chl Dpth (m)	0.71	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	126.3	Conv. (m3/s)		126.3	
Length Wtd. (m)	178.52	Wetted Per. (m)		16.50	
Min Ch El (m)	791.29	Shear (N/m2)		85.84	
Alpha	1.00	Stream Power (N/m s)		231.07	
Frctn Loss (m)	6.73	Cum Volume (1000 m3)	0.00	2.13	
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.01	5.57	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=25

E.G. Elev (m)	792.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.		0.030	
W.S. Elev (m)	792.08	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.20	Flow Area (m2)		8.04	
E.G. Slope (m/m)	0.022293	Area (m2)		8.04	
Q Total (m3/s)	24.16	Flow (m3/s)		24.16	
Top Width (m)	17.00	Top Width (m)		17.00	
Vel Total (m/s)	3.00	Avg. Vel. (m/s)		3.00	
Max Chl Dpth (m)	0.79	Hydr. Depth (m)		0.47	
Conv. Total (m3/s)	161.8	Conv. (m3/s)		161.8	
Length Wtd. (m)	178.52	Wetted Per. (m)		17.14	
Min Ch El (m)	791.29	Shear (N/m2)		102.56	
Alpha	1.00	Stream Power (N/m s)		308.20	
Frctn Loss (m)	6.77	Cum Volume (1000 m3)	0.03	2.60	0.00
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.43	6.14	0.00

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=50

E.G. Elev (m)	792.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.		0.030	
W.S. Elev (m)	792.13	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.28	Flow Area (m2)		8.93	
E.G. Slope (m/m)	0.023077	Area (m2)		8.93	
Q Total (m3/s)	28.78	Flow (m3/s)		28.78	
Top Width (m)	17.44	Top Width (m)		17.44	
Vel Total (m/s)	3.22	Avg. Vel. (m/s)		3.22	
Max Chl Dpth (m)	0.84	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	189.5	Conv. (m3/s)		189.5	
Length Wtd. (m)	178.52	Wetted Per. (m)		17.59	
Min Ch El (m)	791.29	Shear (N/m2)		114.90	
Alpha	1.00	Stream Power (N/m s)		370.26	
Frctn Loss (m)	6.74	Cum Volume (1000 m3)	0.06	2.91	0.00
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.54	6.20	0.04

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=100

E.G. Elev (m)	792.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.60	Wt. n-Val.		0.030	
W.S. Elev (m)	792.18	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.36	Flow Area (m2)		9.93	
E.G. Slope (m/m)	0.023925	Area (m2)		9.93	
Q Total (m3/s)	34.22	Flow (m3/s)		34.22	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=100 (Continued)

Top Width (m)	18.03	Top Width (m)		18.03	
Vel Total (m/s)	3.44	Avg. Vel. (m/s)		3.44	
Max Chl Dpth (m)	0.89	Hydr. Depth (m)		0.55	
Conv. Total (m3/s)	221.2	Conv. (m3/s)		221.2	
Length Wtd. (m)	178.51	Wetted Per. (m)		18.20	
Min Ch El (m)	791.29	Shear (N/m2)		128.11	
Alpha	1.00	Stream Power (N/m s)		441.26	
Frctn Loss (m)	6.70	Cum Volume (1000 m3)	0.09	3.25	0.00
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.65	6.28	0.07

Plan: Plan 03 ArroyoFuenteRey 1 RS: 567.8861 Profile: T=500

E.G. Elev (m)	793.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.79	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	792.31	Reach Len. (m)	169.86	178.52	183.64
Crit W.S. (m)	792.54	Flow Area (m2)	0.00	12.29	
E.G. Slope (m/m)	0.025795	Area (m2)	0.00	12.29	
Q Total (m3/s)	48.43	Flow (m3/s)	0.00	48.43	
Top Width (m)	19.32	Top Width (m)	0.03	19.29	
Vel Total (m/s)	3.94	Avg. Vel. (m/s)	0.22	3.94	
Max Chl Dpth (m)	1.02	Hydr. Depth (m)	0.01	0.64	
Conv. Total (m3/s)	301.5	Conv. (m3/s)	0.0	301.5	
Length Wtd. (m)	178.50	Wetted Per. (m)	0.03	19.48	
Min Ch El (m)	791.29	Shear (N/m2)	2.12	159.66	
Alpha	1.00	Stream Power (N/m s)	0.47	628.96	
Frctn Loss (m)	6.63	Cum Volume (1000 m3)	0.19	4.05	0.02
C & E Loss (m)	0.08	Cum SA (1000 m2)	0.95	6.44	0.15

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=2

E.G. Elev (m)	785.03	Element	Left OB	Channel	Right OB
Vel Head (m)	0.77	Wt. n-Val.		0.030	
W.S. Elev (m)	784.26	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.48	Flow Area (m2)		1.72	
E.G. Slope (m/m)	0.096663	Area (m2)		1.72	
Q Total (m3/s)	6.68	Flow (m3/s)		6.68	
Top Width (m)	7.43	Top Width (m)		7.43	
Vel Total (m/s)	3.88	Avg. Vel. (m/s)		3.88	
Max Chl Dpth (m)	0.44	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	21.5	Conv. (m3/s)		21.5	
Length Wtd. (m)	176.94	Wetted Per. (m)		7.51	
Min Ch El (m)	783.82	Shear (N/m2)		217.31	
Alpha	1.00	Stream Power (N/m s)		843.59	
Frctn Loss (m)	10.42	Cum Volume (1000 m3)		0.52	
C & E Loss (m)	0.05	Cum SA (1000 m2)		1.73	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=5

E.G. Elev (m)	785.46	Element	Left OB	Channel	Right OB
Vel Head (m)	1.03	Wt. n-Val.		0.030	
W.S. Elev (m)	784.43	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.69	Flow Area (m2)		3.10	
E.G. Slope (m/m)	0.088027	Area (m2)		3.10	
Q Total (m3/s)	13.94	Flow (m3/s)		13.94	
Top Width (m)	10.00	Top Width (m)		10.00	
Vel Total (m/s)	4.49	Avg. Vel. (m/s)		4.49	
Max Chl Dpth (m)	0.61	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	47.0	Conv. (m3/s)		47.0	
Length Wtd. (m)	176.94	Wetted Per. (m)		10.14	
Min Ch El (m)	783.82	Shear (N/m2)		264.28	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		1187.27	
Frctn Loss (m)	10.34	Cum Volume (1000 m3)		0.91	
C & E Loss (m)	0.05	Cum SA (1000 m2)		2.29	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=10

E.G. Elev (m)	785.57	Element	Left OB	Channel	Right OB
Vel Head (m)	1.06	Wt. n-Val.		0.030	
W.S. Elev (m)	784.51	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.79	Flow Area (m2)		4.02	
E.G. Slope (m/m)	0.085248	Area (m2)		4.02	
Q Total (m3/s)	18.37	Flow (m3/s)		18.37	
Top Width (m)	12.36	Top Width (m)		12.36	
Vel Total (m/s)	4.57	Avg. Vel. (m/s)		4.57	
Max Chl Dpth (m)	0.69	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	62.9	Conv. (m3/s)		62.9	
Length Wtd. (m)	176.94	Wetted Per. (m)		12.52	
Min Ch El (m)	783.82	Shear (N/m2)		268.62	
Alpha	1.00	Stream Power (N/m s)		1226.46	
Frctn Loss (m)	10.24	Cum Volume (1000 m3)	0.00	1.16	
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.01	3.00	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=25

E.G. Elev (m)	785.70	Element	Left OB	Channel	Right OB
Vel Head (m)	1.11	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.59	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.89	Flow Area (m2)	0.00	5.18	
E.G. Slope (m/m)	0.078418	Area (m2)	0.00	5.18	
Q Total (m3/s)	24.16	Flow (m3/s)	0.00	24.16	
Top Width (m)	14.62	Top Width (m)	0.11	14.51	
Vel Total (m/s)	4.66	Avg. Vel. (m/s)	0.59	4.66	
Max Chl Dpth (m)	0.77	Hydr. Depth (m)	0.02	0.36	
Conv. Total (m3/s)	86.3	Conv. (m3/s)	0.0	86.3	
Length Wtd. (m)	176.97	Wetted Per. (m)	0.12	14.70	
Min Ch El (m)	783.82	Shear (N/m2)	12.15	271.27	
Alpha	1.00	Stream Power (N/m s)	7.14	1264.15	
Frctn Loss (m)	10.08	Cum Volume (1000 m3)	0.03	1.42	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.42	3.33	0.00

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=50

E.G. Elev (m)	785.85	Element	Left OB	Channel	Right OB
Vel Head (m)	1.21	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.64	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	784.97	Flow Area (m2)	0.01	5.91	
E.G. Slope (m/m)	0.072563	Area (m2)	0.01	5.91	
Q Total (m3/s)	28.78	Flow (m3/s)	0.01	28.77	
Top Width (m)	14.86	Top Width (m)	0.28	14.58	
Vel Total (m/s)	4.86	Avg. Vel. (m/s)	1.04	4.87	
Max Chl Dpth (m)	0.82	Hydr. Depth (m)	0.04	0.41	
Conv. Total (m3/s)	106.8	Conv. (m3/s)	0.0	106.8	
Length Wtd. (m)	177.00	Wetted Per. (m)	0.30	14.78	
Min Ch El (m)	783.82	Shear (N/m2)	28.20	284.31	
Alpha	1.00	Stream Power (N/m s)	29.43	1384.89	
Frctn Loss (m)	9.98	Cum Volume (1000 m3)	0.05	1.59	0.00
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.51	3.34	0.04

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=100

E.G. Elev (m)	786.02	Element	Left OB	Channel	Right OB
Vel Head (m)	1.32	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.70	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	785.07	Flow Area (m2)	0.03	6.72	
E.G. Slope (m/m)	0.067244	Area (m2)	0.03	6.72	
Q Total (m3/s)	34.22	Flow (m3/s)	0.05	34.17	
Top Width (m)	15.13	Top Width (m)	0.48	14.65	
Vel Total (m/s)	5.07	Avg. Vel. (m/s)	1.42	5.09	
Max Chl Dpth (m)	0.88	Hydr. Depth (m)	0.07	0.46	
Conv. Total (m3/s)	132.0	Conv. (m3/s)	0.2	131.8	
Length Wtd. (m)	177.04	Wetted Per. (m)	0.50	14.88	
Min Ch El (m)	783.82	Shear (N/m2)	43.71	297.75	
Alpha	1.01	Stream Power (N/m s)	61.89	1514.75	
Frctn Loss (m)	9.86	Cum Volume (1000 m3)	0.09	1.76	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.61	3.36	0.07

Plan: Plan 03 ArroyoFuenteRey 1 RS: 389.3710 Profile: T=500

E.G. Elev (m)	786.39	Element	Left OB	Channel	Right OB
Vel Head (m)	1.56	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	784.83	Reach Len. (m)	183.09	176.94	171.23
Crit W.S. (m)	785.27	Flow Area (m2)	0.13	8.68	
E.G. Slope (m/m)	0.058052	Area (m2)	0.13	8.68	
Q Total (m3/s)	48.43	Flow (m3/s)	0.26	48.17	
Top Width (m)	15.78	Top Width (m)	0.93	14.84	
Vel Total (m/s)	5.50	Avg. Vel. (m/s)	2.06	5.55	
Max Chl Dpth (m)	1.01	Hydr. Depth (m)	0.14	0.58	
Conv. Total (m3/s)	201.0	Conv. (m3/s)	1.1	199.9	
Length Wtd. (m)	177.12	Wetted Per. (m)	0.97	15.11	
Min Ch El (m)	783.82	Shear (N/m2)	74.09	327.07	
Alpha	1.01	Stream Power (N/m s)	152.82	1815.34	
Frctn Loss (m)	9.58	Cum Volume (1000 m3)	0.18	2.18	0.02
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.86	3.39	0.15

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=2

E.G. Elev (m)	774.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.59	Wt. n-Val.		0.030	
W.S. Elev (m)	773.97	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.16	Flow Area (m2)		1.97	
E.G. Slope (m/m)	0.039631	Area (m2)		1.97	
Q Total (m3/s)	6.68	Flow (m3/s)		6.68	
Top Width (m)	5.21	Top Width (m)		5.21	
Vel Total (m/s)	3.39	Avg. Vel. (m/s)		3.39	
Max Chl Dpth (m)	0.59	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	33.6	Conv. (m3/s)		33.6	
Length Wtd. (m)	128.88	Wetted Per. (m)		5.39	
Min Ch El (m)	773.38	Shear (N/m2)		141.99	
Alpha	1.00	Stream Power (N/m s)		481.52	
Frctn Loss (m)	11.13	Cum Volume (1000 m3)		0.19	
C & E Loss (m)	0.18	Cum SA (1000 m2)		0.61	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=5

E.G. Elev (m)	775.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.87	Wt. n-Val.		0.030	
W.S. Elev (m)	774.20	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.49	Flow Area (m2)		3.37	
E.G. Slope (m/m)	0.041572	Area (m2)		3.37	
Q Total (m3/s)	13.94	Flow (m3/s)		13.94	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=5 (Continued)

Top Width (m)	6.82	Top Width (m)		6.82	
Vel Total (m/s)	4.14	Avg. Vel. (m/s)		4.14	
Max Chl Dpth (m)	0.82	Hydr. Depth (m)		0.49	
Conv. Total (m3/s)	68.4	Conv. (m3/s)		68.4	
Length Wtd. (m)	128.88	Wetted Per. (m)		7.08	
Min Ch El (m)	773.38	Shear (N/m2)		193.90	
Alpha	1.00	Stream Power (N/m s)		802.95	
Frctn Loss (m)	10.81	Cum Volume (1000 m3)		0.33	
C & E Loss (m)	0.22	Cum SA (1000 m2)		0.80	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=10

E.G. Elev (m)	775.31	Element	Left OB	Channel	Right OB
Vel Head (m)	1.01	Wt. n-Val.		0.030	
W.S. Elev (m)	774.31	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.63	Flow Area (m2)		4.13	
E.G. Slope (m/m)	0.041844	Area (m2)		4.13	
Q Total (m3/s)	18.37	Flow (m3/s)		18.37	
Top Width (m)	7.56	Top Width (m)		7.56	
Vel Total (m/s)	4.44	Avg. Vel. (m/s)		4.44	
Max Chl Dpth (m)	0.93	Hydr. Depth (m)		0.55	
Conv. Total (m3/s)	89.8	Conv. (m3/s)		89.8	
Length Wtd. (m)	128.88	Wetted Per. (m)		7.85	
Min Ch El (m)	773.38	Shear (N/m2)		215.95	
Alpha	1.00	Stream Power (N/m s)		959.80	
Frctn Loss (m)	11.61	Cum Volume (1000 m3)	0.00	0.44	
C & E Loss (m)	0.14	Cum SA (1000 m2)	0.01	1.24	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=25

E.G. Elev (m)	775.61	Element	Left OB	Channel	Right OB
Vel Head (m)	1.20	Wt. n-Val.	0.030	0.030	0.000
W.S. Elev (m)	774.40	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.80	Flow Area (m2)	0.19	4.90	0.00
E.G. Slope (m/m)	0.043257	Area (m2)	0.19	4.90	0.00
Q Total (m3/s)	24.16	Flow (m3/s)	0.23	23.93	0.00
Top Width (m)	10.52	Top Width (m)	2.50	8.00	0.02
Vel Total (m/s)	4.75	Avg. Vel. (m/s)	1.23	4.88	0.12
Max Chl Dpth (m)	1.02	Hydr. Depth (m)	0.08	0.61	0.00
Conv. Total (m3/s)	116.2	Conv. (m3/s)	1.1	115.0	0.0
Length Wtd. (m)	128.82	Wetted Per. (m)	2.50	8.30	0.02
Min Ch El (m)	773.38	Shear (N/m2)	31.85	250.54	
Alpha	1.05	Stream Power (N/m s)	39.29	1222.70	
Frctn Loss (m)	11.61	Cum Volume (1000 m3)	0.01	0.53	0.00
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.18	1.34	0.00

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=50

E.G. Elev (m)	775.85	Element	Left OB	Channel	Right OB
Vel Head (m)	1.39	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.46	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.89	Flow Area (m2)	0.34	5.35	0.01
E.G. Slope (m/m)	0.045053	Area (m2)	0.34	5.35	0.01
Q Total (m3/s)	28.78	Flow (m3/s)	0.57	28.21	0.00
Top Width (m)	11.09	Top Width (m)	2.87	8.00	0.23
Vel Total (m/s)	5.06	Avg. Vel. (m/s)	1.69	5.28	0.67
Max Chl Dpth (m)	1.08	Hydr. Depth (m)	0.12	0.67	0.03
Conv. Total (m3/s)	135.6	Conv. (m3/s)	2.7	132.9	0.0
Length Wtd. (m)	128.76	Wetted Per. (m)	2.88	8.30	0.24
Min Ch El (m)	773.38	Shear (N/m2)	51.67	284.52	12.86

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=50 (Continued)

Alpha	1.07	Stream Power (N/m s)	87.43	1501.15	8.60
Frctn Loss (m)	11.62	Cum Volume (1000 m3)	0.02	0.59	0.00
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.22	1.35	0.02

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=100

E.G. Elev (m)	776.12	Element	Left OB	Channel	Right OB
Vel Head (m)	1.61	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.52	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	774.99	Flow Area (m2)	0.52	5.82	0.03
E.G. Slope (m/m)	0.046886	Area (m2)	0.52	5.82	0.03
Q Total (m3/s)	34.22	Flow (m3/s)	1.09	33.10	0.03
Top Width (m)	11.71	Top Width (m)	3.26	8.00	0.45
Vel Total (m/s)	5.38	Avg. Vel. (m/s)	2.11	5.69	1.07
Max Chl Dpth (m)	1.14	Hydr. Depth (m)	0.16	0.73	0.06
Conv. Total (m3/s)	158.0	Conv. (m3/s)	5.0	152.9	0.1
Length Wtd. (m)	128.68	Wetted Per. (m)	3.27	8.30	0.46
Min Ch El (m)	773.38	Shear (N/m2)	72.51	322.07	26.41
Alpha	1.09	Stream Power (N/m s)	152.76	1833.50	28.38
Frctn Loss (m)	11.63	Cum Volume (1000 m3)	0.04	0.65	0.00
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.27	1.35	0.03

Plan: Plan 03 ArroyoFuenteRey 1 RS: 212.4326 Profile: T=500

E.G. Elev (m)	776.76	Element	Left OB	Channel	Right OB
Vel Head (m)	2.11	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	774.65	Reach Len. (m)	118.45	128.88	138.63
Crit W.S. (m)	775.23	Flow Area (m2)	1.01	6.87	0.12
E.G. Slope (m/m)	0.050523	Area (m2)	1.01	6.87	0.12
Q Total (m3/s)	48.43	Flow (m3/s)	2.84	45.37	0.22
Top Width (m)	13.26	Top Width (m)	4.32	8.00	0.95
Vel Total (m/s)	6.06	Avg. Vel. (m/s)	2.83	6.60	1.83
Max Chl Dpth (m)	1.27	Hydr. Depth (m)	0.23	0.86	0.13
Conv. Total (m3/s)	215.5	Conv. (m3/s)	12.6	201.9	1.0
Length Wtd. (m)	128.49	Wetted Per. (m)	4.34	8.30	0.98
Min Ch El (m)	773.38	Shear (N/m2)	114.80	410.02	60.03
Alpha	1.13	Stream Power (N/m s)	324.50	2707.84	110.14
Frctn Loss (m)	11.65	Cum Volume (1000 m3)	0.07	0.80	0.01
C & E Loss (m)	0.15	Cum SA (1000 m2)	0.38	1.37	0.07

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=2

E.G. Elev (m)	763.24	Element	Left OB	Channel	Right OB
Vel Head (m)	2.40	Wt. n-Val.		0.030	
W.S. Elev (m)	760.84	Reach Len. (m)			
Crit W.S. (m)	761.22	Flow Area (m2)		0.97	
E.G. Slope (m/m)	0.314721	Area (m2)		0.97	
Q Total (m3/s)	6.68	Flow (m3/s)		6.68	
Top Width (m)	4.27	Top Width (m)		4.27	
Vel Total (m/s)	6.87	Avg. Vel. (m/s)		6.87	
Max Chl Dpth (m)	0.45	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	11.9	Conv. (m3/s)		11.9	
Length Wtd. (m)		Wetted Per. (m)		4.37	
Min Ch El (m)	760.39	Shear (N/m2)		686.93	
Alpha	1.00	Stream Power (N/m s)		4717.81	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=5

E.G. Elev (m)	764.05	Element	Left OB	Channel	Right OB
Vel Head (m)	3.04	Wt. n-Val.		0.030	
W.S. Elev (m)	761.01	Reach Len. (m)			
Crit W.S. (m)	761.41	Flow Area (m2)		1.81	
E.G. Slope (m/m)	0.249951	Area (m2)		1.81	
Q Total (m3/s)	13.94	Flow (m3/s)		13.94	
Top Width (m)	5.58	Top Width (m)		5.58	
Vel Total (m/s)	7.72	Avg. Vel. (m/s)		7.72	
Max Chl Dpth (m)	0.62	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	27.9	Conv. (m3/s)		27.9	
Length Wtd. (m)		Wetted Per. (m)		5.73	
Min Ch El (m)	760.39	Shear (N/m2)		772.90	
Alpha	1.00	Stream Power (N/m s)		5967.21	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=10

E.G. Elev (m)	763.56	Element	Left OB	Channel	Right OB
Vel Head (m)	2.44	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.12	Reach Len. (m)			
Crit W.S. (m)	761.51	Flow Area (m2)	0.00	2.65	
E.G. Slope (m/m)	0.317025	Area (m2)	0.00	2.65	
Q Total (m3/s)	18.37	Flow (m3/s)	0.00	18.37	
Top Width (m)	11.77	Top Width (m)	0.09	11.68	
Vel Total (m/s)	6.92	Avg. Vel. (m/s)	0.56	6.92	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)	0.01	0.23	
Conv. Total (m3/s)	32.6	Conv. (m3/s)	0.0	32.6	
Length Wtd. (m)		Wetted Per. (m)	0.09	11.86	
Min Ch El (m)	760.39	Shear (N/m2)	15.87	696.08	
Alpha	1.00	Stream Power (N/m s)	8.83	4817.06	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=25

E.G. Elev (m)	763.85	Element	Left OB	Channel	Right OB
Vel Head (m)	2.68	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.17	Reach Len. (m)			
Crit W.S. (m)	761.62	Flow Area (m2)	0.02	3.33	
E.G. Slope (m/m)	0.290857	Area (m2)	0.02	3.33	
Q Total (m3/s)	24.16	Flow (m3/s)	0.03	24.13	
Top Width (m)	13.38	Top Width (m)	0.58	12.80	
Vel Total (m/s)	7.22	Avg. Vel. (m/s)	1.81	7.25	
Max Chl Dpth (m)	0.78	Hydr. Depth (m)	0.03	0.26	
Conv. Total (m3/s)	44.8	Conv. (m3/s)	0.1	44.7	
Length Wtd. (m)		Wetted Per. (m)	0.58	12.99	
Min Ch El (m)	760.39	Shear (N/m2)	91.13	730.46	
Alpha	1.01	Stream Power (N/m s)	164.96	5295.62	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=50

E.G. Elev (m)	764.09	Element	Left OB	Channel	Right OB
Vel Head (m)	2.87	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.21	Reach Len. (m)			
Crit W.S. (m)	761.72	Flow Area (m2)	0.05	3.81	
E.G. Slope (m/m)	0.263915	Area (m2)	0.05	3.81	
Q Total (m3/s)	28.78	Flow (m3/s)	0.11	28.67	

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=50 (Continued)

Top Width (m)	13.81	Top Width (m)	0.92	12.90	
Vel Total (m/s)	7.46	Avg. Vel. (m/s)	2.34	7.52	
Max Chl Dpth (m)	0.82	Hydr. Depth (m)	0.05	0.30	
Conv. Total (m3/s)	56.0	Conv. (m3/s)	0.2	55.8	
Length Wtd. (m)		Wetted Per. (m)	0.92	13.09	
Min Ch El (m)	760.39	Shear (N/m2)	131.12	753.40	
Alpha	1.01	Stream Power (N/m s)	307.41	5666.83	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=100

E.G. Elev (m)	764.35	Element	Left OB	Channel	Right OB
Vel Head (m)	3.09	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.25	Reach Len. (m)			
Crit W.S. (m)	761.77	Flow Area (m2)	0.09	4.35	
E.G. Slope (m/m)	0.241718	Area (m2)	0.09	4.35	
Q Total (m3/s)	34.22	Flow (m3/s)	0.26	33.96	
Top Width (m)	14.29	Top Width (m)	1.29	13.00	
Vel Total (m/s)	7.71	Avg. Vel. (m/s)	2.81	7.81	
Max Chl Dpth (m)	0.86	Hydr. Depth (m)	0.07	0.33	
Conv. Total (m3/s)	69.6	Conv. (m3/s)	0.5	69.1	
Length Wtd. (m)		Wetted Per. (m)	1.30	13.20	
Min Ch El (m)	760.39	Shear (N/m2)	168.74	780.34	
Alpha	1.02	Stream Power (N/m s)	474.98	6097.15	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoFuenteRey 1 RS: 83.54984 Profile: T=500

E.G. Elev (m)	764.96	Element	Left OB	Channel	Right OB
Vel Head (m)	3.61	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	761.35	Reach Len. (m)			
Crit W.S. (m)	762.02	Flow Area (m2)	0.26	5.60	
E.G. Slope (m/m)	0.208131	Area (m2)	0.26	5.60	
Q Total (m3/s)	48.43	Flow (m3/s)	0.94	47.49	
Top Width (m)	15.39	Top Width (m)	2.17	13.23	
Vel Total (m/s)	8.27	Avg. Vel. (m/s)	3.66	8.48	
Max Chl Dpth (m)	0.96	Hydr. Depth (m)	0.12	0.42	
Conv. Total (m3/s)	106.2	Conv. (m3/s)	2.1	104.1	
Length Wtd. (m)		Wetted Per. (m)	2.18	13.45	
Min Ch El (m)	760.39	Shear (N/m2)	240.88	849.67	
Alpha	1.04	Stream Power (N/m s)	881.37	7203.80	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=2

E.G. Elev (m)	817.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	817.06	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.06	Flow Area (m2)		2.84	
E.G. Slope (m/m)	0.016364	Area (m2)		2.84	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	17.15	Top Width (m)		17.15	
Vel Total (m/s)	1.28	Avg. Vel. (m/s)		1.28	
Max Chl Dpth (m)	0.24	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	28.5	Conv. (m3/s)		28.5	
Length Wtd. (m)	95.85	Wetted Per. (m)		17.16	
Min Ch El (m)	816.82	Shear (N/m2)		26.51	
Alpha	1.00	Stream Power (N/m s)		34.03	
Frctn Loss (m)	1.55	Cum Volume (1000 m3)	0.01	1.68	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	6.61	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=5

E.G. Elev (m)	817.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	817.14	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.14	Flow Area (m2)		4.32	
E.G. Slope (m/m)	0.014603	Area (m2)		4.32	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	18.67	Top Width (m)		18.67	
Vel Total (m/s)	1.52	Avg. Vel. (m/s)		1.52	
Max Chl Dpth (m)	0.32	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	54.2	Conv. (m3/s)		54.2	
Length Wtd. (m)	95.85	Wetted Per. (m)		18.70	
Min Ch El (m)	816.82	Shear (N/m2)		33.08	
Alpha	1.00	Stream Power (N/m s)		50.16	
Frctn Loss (m)	1.42	Cum Volume (1000 m3)	0.02	2.71	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.09	8.92	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=10

E.G. Elev (m)	817.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	817.21	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.21	Flow Area (m2)		5.57	
E.G. Slope (m/m)	0.013611	Area (m2)		5.57	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	19.65	Top Width (m)		19.65	
Vel Total (m/s)	1.68	Avg. Vel. (m/s)		1.68	
Max Chl Dpth (m)	0.39	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	80.1	Conv. (m3/s)		80.1	
Length Wtd. (m)	95.85	Wetted Per. (m)		19.68	
Min Ch El (m)	816.82	Shear (N/m2)		37.78	
Alpha	1.00	Stream Power (N/m s)		63.34	
Frctn Loss (m)	1.32	Cum Volume (1000 m3)	0.03	3.50	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.12	9.51	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=25

E.G. Elev (m)	817.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	817.29	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.29	Flow Area (m2)		7.15	
E.G. Slope (m/m)	0.012846	Area (m2)		7.15	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=25 (Continued)

Top Width (m)	20.81	Top Width (m)		20.81	
Vel Total (m/s)	1.85	Avg. Vel. (m/s)		1.85	
Max Chl Dpth (m)	0.47	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	116.8	Conv. (m3/s)		116.8	
Length Wtd. (m)	95.85	Wetted Per. (m)		20.86	
Min Ch El (m)	816.82	Shear (N/m2)		43.20	
Alpha	1.00	Stream Power (N/m s)		79.96	
Frctn Loss (m)	1.23	Cum Volume (1000 m3)	0.05	4.53	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.28	10.22	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=50

E.G. Elev (m)	817.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	817.34	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.34	Flow Area (m2)		8.39	
E.G. Slope (m/m)	0.012283	Area (m2)		8.39	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	21.53	Top Width (m)		21.53	
Vel Total (m/s)	1.97	Avg. Vel. (m/s)		1.97	
Max Chl Dpth (m)	0.52	Hydr. Depth (m)		0.39	
Conv. Total (m3/s)	148.8	Conv. (m3/s)		148.8	
Length Wtd. (m)	95.87	Wetted Per. (m)		21.59	
Min Ch El (m)	816.82	Shear (N/m2)		46.78	
Alpha	1.00	Stream Power (N/m s)		92.00	
Frctn Loss (m)	1.15	Cum Volume (1000 m3)	0.08	5.33	0.03
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.46	10.56	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=100

E.G. Elev (m)	817.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	817.41	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.41	Flow Area (m2)	0.00	9.76	
E.G. Slope (m/m)	0.011814	Area (m2)	0.00	9.76	
Q Total (m3/s)	20.47	Flow (m3/s)	0.00	20.47	
Top Width (m)	22.20	Top Width (m)	0.11	22.09	
Vel Total (m/s)	2.10	Avg. Vel. (m/s)	0.15	2.10	
Max Chl Dpth (m)	0.59	Hydr. Depth (m)	0.01	0.44	
Conv. Total (m3/s)	188.3	Conv. (m3/s)	0.0	188.3	
Length Wtd. (m)	95.90	Wetted Per. (m)	0.11	22.16	
Min Ch El (m)	816.82	Shear (N/m2)	0.94	51.02	
Alpha	1.00	Stream Power (N/m s)	0.14	107.00	
Frctn Loss (m)	1.08	Cum Volume (1000 m3)	0.12	6.24	0.03
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.60	10.93	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=500

E.G. Elev (m)	817.85	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	817.56	Reach Len. (m)	103.03	95.85	87.90
Crit W.S. (m)	817.56	Flow Area (m2)	0.09	13.10	0.00
E.G. Slope (m/m)	0.010608	Area (m2)	0.09	13.10	0.00
Q Total (m3/s)	31.33	Flow (m3/s)	0.06	31.27	0.00
Top Width (m)	23.71	Top Width (m)	1.08	22.50	0.13
Vel Total (m/s)	2.38	Avg. Vel. (m/s)	0.65	2.39	0.30
Max Chl Dpth (m)	0.74	Hydr. Depth (m)	0.08	0.58	0.03
Conv. Total (m3/s)	304.2	Conv. (m3/s)	0.6	303.6	0.0
Length Wtd. (m)	95.99	Wetted Per. (m)	1.09	22.58	0.14
Min Ch El (m)	816.82	Shear (N/m2)	8.51	60.33	2.66

Plan: Plan 03 ArroyoPoeillo 1 RS: 801.0359 Profile: T=500 (Continued)

Alpha	1.01	Stream Power (N/m s)	5.50	144.06	0.79
Frctn Loss (m)	0.98	Cum Volume (1000 m3)	0.94	8.48	0.07
C & E Loss (m)	0.01	Cum SA (1000 m2)	2.27	11.68	0.17

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=2

E.G. Elev (m)	815.39	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	815.29	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.29	Flow Area (m2)		2.66	
E.G. Slope (m/m)	0.015947	Area (m2)		2.66	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	14.37	Top Width (m)		14.37	
Vel Total (m/s)	1.37	Avg. Vel. (m/s)		1.37	
Max Chl Dpth (m)	0.36	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	28.8	Conv. (m3/s)		28.8	
Length Wtd. (m)	74.75	Wetted Per. (m)		14.40	
Min Ch El (m)	814.93	Shear (N/m2)		28.93	
Alpha	1.00	Stream Power (N/m s)		39.53	
Frctn Loss (m)	1.17	Cum Volume (1000 m3)	0.01	1.41	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	5.10	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=5

E.G. Elev (m)	815.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	815.39	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.39	Flow Area (m2)		4.28	
E.G. Slope (m/m)	0.015078	Area (m2)		4.28	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	18.72	Top Width (m)		18.72	
Vel Total (m/s)	1.53	Avg. Vel. (m/s)		1.53	
Max Chl Dpth (m)	0.46	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	53.3	Conv. (m3/s)		53.3	
Length Wtd. (m)	74.75	Wetted Per. (m)		18.76	
Min Ch El (m)	814.93	Shear (N/m2)		33.76	
Alpha	1.00	Stream Power (N/m s)		51.62	
Frctn Loss (m)	1.07	Cum Volume (1000 m3)	0.02	2.29	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.09	7.13	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=10

E.G. Elev (m)	815.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	815.46	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.46	Flow Area (m2)		5.59	
E.G. Slope (m/m)	0.013995	Area (m2)		5.59	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	20.19	Top Width (m)		20.19	
Vel Total (m/s)	1.67	Avg. Vel. (m/s)		1.67	
Max Chl Dpth (m)	0.53	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	79.0	Conv. (m3/s)		79.0	
Length Wtd. (m)	74.75	Wetted Per. (m)		20.24	
Min Ch El (m)	814.93	Shear (N/m2)		37.88	
Alpha	1.00	Stream Power (N/m s)		63.33	
Frctn Loss (m)	1.01	Cum Volume (1000 m3)	0.03	2.96	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.12	7.60	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=25

E.G. Elev (m)	815.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.54	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.54	Flow Area (m2)	0.03	7.19	
E.G. Slope (m/m)	0.012864	Area (m2)	0.03	7.19	
Q Total (m3/s)	13.24	Flow (m3/s)	0.01	13.23	
Top Width (m)	22.31	Top Width (m)	1.24	21.08	
Vel Total (m/s)	1.84	Avg. Vel. (m/s)	0.31	1.84	
Max Chl Dpth (m)	0.61	Hydr. Depth (m)	0.02	0.34	
Conv. Total (m3/s)	116.7	Conv. (m3/s)	0.1	116.7	
Length Wtd. (m)	74.75	Wetted Per. (m)	1.24	21.14	
Min Ch El (m)	814.93	Shear (N/m2)	2.96	42.88	
Alpha	1.01	Stream Power (N/m s)	0.92	78.97	
Frctn Loss (m)	0.94	Cum Volume (1000 m3)	0.05	3.85	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.22	8.21	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=50

E.G. Elev (m)	815.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.60	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.60	Flow Area (m2)	0.15	8.46	
E.G. Slope (m/m)	0.011671	Area (m2)	0.15	8.46	
Q Total (m3/s)	16.49	Flow (m3/s)	0.08	16.41	
Top Width (m)	24.05	Top Width (m)	2.75	21.30	
Vel Total (m/s)	1.92	Avg. Vel. (m/s)	0.51	1.94	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)	0.05	0.40	
Conv. Total (m3/s)	152.6	Conv. (m3/s)	0.7	151.9	
Length Wtd. (m)	74.77	Wetted Per. (m)	2.76	21.37	
Min Ch El (m)	814.93	Shear (N/m2)	6.19	45.29	
Alpha	1.02	Stream Power (N/m s)	3.19	87.92	
Frctn Loss (m)	0.88	Cum Volume (1000 m3)	0.07	4.52	0.03
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.31	8.51	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=100

E.G. Elev (m)	815.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.66	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.66	Flow Area (m2)	0.37	9.84	
E.G. Slope (m/m)	0.010824	Area (m2)	0.37	9.84	
Q Total (m3/s)	20.47	Flow (m3/s)	0.27	20.20	
Top Width (m)	25.47	Top Width (m)	3.93	21.54	
Vel Total (m/s)	2.00	Avg. Vel. (m/s)	0.72	2.05	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)	0.09	0.46	
Conv. Total (m3/s)	196.8	Conv. (m3/s)	2.6	194.2	
Length Wtd. (m)	74.81	Wetted Per. (m)	3.94	21.62	
Min Ch El (m)	814.93	Shear (N/m2)	10.05	48.33	
Alpha	1.04	Stream Power (N/m s)	7.24	99.20	
Frctn Loss (m)	0.82	Cum Volume (1000 m3)	0.10	5.30	0.03
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.39	8.84	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=500

E.G. Elev (m)	816.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.81	Reach Len. (m)	83.90	74.75	64.41
Crit W.S. (m)	815.81	Flow Area (m2)	1.06	13.02	
E.G. Slope (m/m)	0.009834	Area (m2)	1.06	13.02	
Q Total (m3/s)	31.33	Flow (m3/s)	1.17	30.16	

Plan: Plan 03 ArroyoPoeillo 1 RS: 705.1880 Profile: T=500 (Continued)

Top Width (m)	27.62	Top Width (m)	5.55	22.08	
Vel Total (m/s)	2.23	Avg. Vel. (m/s)	1.10	2.32	
Max Chl Dpth (m)	0.88	Hydr. Depth (m)	0.19	0.59	
Conv. Total (m3/s)	315.9	Conv. (m3/s)	11.8	304.2	
Length Wtd. (m)	74.92	Wetted Per. (m)	5.56	22.17	
Min Ch El (m)	814.93	Shear (N/m2)	18.44	56.61	
Alpha	1.05	Stream Power (N/m s)	20.22	131.18	
Frctn Loss (m)	0.76	Cum Volume (1000 m3)	0.88	7.23	0.07
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.93	9.55	0.16

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=2

E.G. Elev (m)	813.86	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	813.75	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.75	Flow Area (m2)		2.49	
E.G. Slope (m/m)	0.015352	Area (m2)		2.49	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	11.76	Top Width (m)		11.76	
Vel Total (m/s)	1.46	Avg. Vel. (m/s)		1.46	
Max Chl Dpth (m)	0.49	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	29.4	Conv. (m3/s)		29.4	
Length Wtd. (m)	84.46	Wetted Per. (m)		11.82	
Min Ch El (m)	813.26	Shear (N/m2)		31.71	
Alpha	1.00	Stream Power (N/m s)		46.37	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)	0.01	1.22	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	4.12	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=5

E.G. Elev (m)	814.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	813.86	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.86	Flow Area (m2)		3.87	
E.G. Slope (m/m)	0.013722	Area (m2)		3.87	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	13.49	Top Width (m)		13.49	
Vel Total (m/s)	1.69	Avg. Vel. (m/s)		1.69	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	55.9	Conv. (m3/s)		55.9	
Length Wtd. (m)	84.46	Wetted Per. (m)		13.57	
Min Ch El (m)	813.26	Shear (N/m2)		38.39	
Alpha	1.00	Stream Power (N/m s)		64.97	
Frctn Loss (m)	1.10	Cum Volume (1000 m3)	0.02	1.99	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.09	5.93	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=10

E.G. Elev (m)	814.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	813.94	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	813.94	Flow Area (m2)		5.07	
E.G. Slope (m/m)	0.012929	Area (m2)		5.07	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	14.86	Top Width (m)		14.86	
Vel Total (m/s)	1.84	Avg. Vel. (m/s)		1.84	
Max Chl Dpth (m)	0.68	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	82.1	Conv. (m3/s)		82.1	
Length Wtd. (m)	84.46	Wetted Per. (m)		14.95	
Min Ch El (m)	813.26	Shear (N/m2)		42.99	

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=10 (Continued)

Alpha	1.00	Stream Power (N/m s)		79.22	
Frctn Loss (m)	1.04	Cum Volume (1000 m3)	0.03	2.57	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.12	6.29	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=25

E.G. Elev (m)	814.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.		0.030	
W.S. Elev (m)	814.04	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.04	Flow Area (m2)		6.58	
E.G. Slope (m/m)	0.012265	Area (m2)		6.58	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	16.26	Top Width (m)		16.26	
Vel Total (m/s)	2.01	Avg. Vel. (m/s)		2.01	
Max Chl Dpth (m)	0.78	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	119.6	Conv. (m3/s)		119.6	
Length Wtd. (m)	84.46	Wetted Per. (m)		16.36	
Min Ch El (m)	813.26	Shear (N/m2)		48.38	
Alpha	1.00	Stream Power (N/m s)		97.33	
Frctn Loss (m)	0.99	Cum Volume (1000 m3)	0.05	3.33	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.17	6.82	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=50

E.G. Elev (m)	814.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.23	Wt. n-Val.		0.030	
W.S. Elev (m)	814.11	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.11	Flow Area (m2)		7.77	
E.G. Slope (m/m)	0.011792	Area (m2)		7.77	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	17.21	Top Width (m)		17.21	
Vel Total (m/s)	2.12	Avg. Vel. (m/s)		2.12	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)		0.45	
Conv. Total (m3/s)	151.9	Conv. (m3/s)		151.9	
Length Wtd. (m)	84.46	Wetted Per. (m)		17.32	
Min Ch El (m)	813.26	Shear (N/m2)		51.88	
Alpha	1.00	Stream Power (N/m s)		110.07	
Frctn Loss (m)	0.95	Cum Volume (1000 m3)	0.06	3.91	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.20	7.07	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=100

E.G. Elev (m)	814.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	814.19	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.19	Flow Area (m2)		9.22	
E.G. Slope (m/m)	0.011213	Area (m2)		9.22	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	18.34	Top Width (m)		18.34	
Vel Total (m/s)	2.22	Avg. Vel. (m/s)		2.22	
Max Chl Dpth (m)	0.93	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	193.3	Conv. (m3/s)		193.3	
Length Wtd. (m)	84.46	Wetted Per. (m)		18.47	
Min Ch El (m)	813.26	Shear (N/m2)		54.87	
Alpha	1.00	Stream Power (N/m s)		121.86	
Frctn Loss (m)	0.92	Cum Volume (1000 m3)	0.08	4.59	0.03
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.23	7.35	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 630.4383 Profile: T=500

E.G. Elev (m)	814.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.		0.030	
W.S. Elev (m)	814.37	Reach Len. (m)	77.50	84.46	90.81
Crit W.S. (m)	814.37	Flow Area (m2)		12.79	
E.G. Slope (m/m)	0.010521	Area (m2)		12.79	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	20.95	Top Width (m)		20.95	
Vel Total (m/s)	2.45	Avg. Vel. (m/s)		2.45	
Max Chl Dpth (m)	1.11	Hydr. Depth (m)		0.61	
Conv. Total (m3/s)	305.4	Conv. (m3/s)		305.4	
Length Wtd. (m)	84.46	Wetted Per. (m)		21.10	
Min Ch El (m)	813.26	Shear (N/m2)		62.54	
Alpha	1.00	Stream Power (N/m s)		153.17	
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	0.84	6.26	0.07
C & E Loss (m)	0.02	Cum SA (1000 m2)	1.70	7.94	0.16

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=2

E.G. Elev (m)	810.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	810.06	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.06	Flow Area (m2)		2.07	
E.G. Slope (m/m)	0.014090	Area (m2)		2.07	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	6.68	Top Width (m)		6.68	
Vel Total (m/s)	1.76	Avg. Vel. (m/s)		1.76	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	30.7	Conv. (m3/s)		30.7	
Length Wtd. (m)	90.93	Wetted Per. (m)		6.95	
Min Ch El (m)	809.30	Shear (N/m2)		41.08	
Alpha	1.00	Stream Power (N/m s)		72.39	
Frctn Loss (m)	1.25	Cum Volume (1000 m3)	0.01	1.03	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.06	3.34	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=5

E.G. Elev (m)	810.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.22	Wt. n-Val.		0.030	
W.S. Elev (m)	810.22	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.22	Flow Area (m2)		3.15	
E.G. Slope (m/m)	0.012441	Area (m2)		3.15	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	7.17	Top Width (m)		7.17	
Vel Total (m/s)	2.08	Avg. Vel. (m/s)		2.08	
Max Chl Dpth (m)	0.92	Hydr. Depth (m)		0.44	
Conv. Total (m3/s)	58.7	Conv. (m3/s)		58.7	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.53	
Min Ch El (m)	809.30	Shear (N/m2)		51.03	
Alpha	1.00	Stream Power (N/m s)		106.12	
Frctn Loss (m)	1.12	Cum Volume (1000 m3)	0.02	1.69	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.09	5.05	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=10

E.G. Elev (m)	810.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	810.34	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.34	Flow Area (m2)		4.05	
E.G. Slope (m/m)	0.011797	Area (m2)		4.05	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=10 (Continued)

Top Width (m)	7.55	Top Width (m)		7.55	
Vel Total (m/s)	2.30	Avg. Vel. (m/s)		2.30	
Max Chl Dpth (m)	1.04	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	86.0	Conv. (m3/s)		86.0	
Length Wtd. (m)	90.93	Wetted Per. (m)		7.99	
Min Ch El (m)	809.30	Shear (N/m2)		58.72	
Alpha	1.00	Stream Power (N/m s)		135.28	
Frctn Loss (m)	1.07	Cum Volume (1000 m3)	0.03	2.18	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.12	5.35	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=25

E.G. Elev (m)	810.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.33	Wt. n-Val.		0.030	
W.S. Elev (m)	810.49	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.49	Flow Area (m2)		5.21	
E.G. Slope (m/m)	0.011208	Area (m2)		5.21	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	8.01	Top Width (m)		8.01	
Vel Total (m/s)	2.54	Avg. Vel. (m/s)		2.54	
Max Chl Dpth (m)	1.19	Hydr. Depth (m)		0.65	
Conv. Total (m3/s)	125.1	Conv. (m3/s)		125.1	
Length Wtd. (m)	90.93	Wetted Per. (m)		8.54	
Min Ch El (m)	809.30	Shear (N/m2)		67.09	
Alpha	1.00	Stream Power (N/m s)		170.38	
Frctn Loss (m)	1.02	Cum Volume (1000 m3)	0.05	2.83	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.17	5.79	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=50

E.G. Elev (m)	810.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	
W.S. Elev (m)	810.60	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.60	Flow Area (m2)		6.13	
E.G. Slope (m/m)	0.010777	Area (m2)		6.13	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	8.36	Top Width (m)		8.36	
Vel Total (m/s)	2.69	Avg. Vel. (m/s)		2.69	
Max Chl Dpth (m)	1.30	Hydr. Depth (m)		0.73	
Conv. Total (m3/s)	158.8	Conv. (m3/s)		158.8	
Length Wtd. (m)	90.93	Wetted Per. (m)		8.96	
Min Ch El (m)	809.30	Shear (N/m2)		72.36	
Alpha	1.00	Stream Power (N/m s)		194.53	
Frctn Loss (m)	0.98	Cum Volume (1000 m3)	0.06	3.33	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.20	5.99	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=100

E.G. Elev (m)	811.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.		0.030	
W.S. Elev (m)	810.72	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	810.72	Flow Area (m2)		7.15	
E.G. Slope (m/m)	0.010630	Area (m2)		7.15	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	8.73	Top Width (m)		8.73	
Vel Total (m/s)	2.86	Avg. Vel. (m/s)		2.86	
Max Chl Dpth (m)	1.42	Hydr. Depth (m)		0.82	
Conv. Total (m3/s)	198.5	Conv. (m3/s)		198.5	
Length Wtd. (m)	90.93	Wetted Per. (m)		9.40	
Min Ch El (m)	809.30	Shear (N/m2)		79.27	

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=100 (Continued)

Alpha	1.00	Stream Power (N/m s)		226.99	
Frctn Loss (m)	0.96	Cum Volume (1000 m3)	0.08	3.90	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.23	6.20	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 545.9766 Profile: T=500

E.G. Elev (m)	811.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.51	Wt. n-Val.		0.030	
W.S. Elev (m)	811.02	Reach Len. (m)	83.78	90.93	98.84
Crit W.S. (m)	811.02	Flow Area (m2)		9.92	
E.G. Slope (m/m)	0.009998	Area (m2)		9.92	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	9.93	Top Width (m)		9.93	
Vel Total (m/s)	3.16	Avg. Vel. (m/s)		3.16	
Max Chl Dpth (m)	1.72	Hydr. Depth (m)		1.00	
Conv. Total (m3/s)	313.3	Conv. (m3/s)		313.3	
Length Wtd. (m)	90.93	Wetted Per. (m)		10.77	
Min Ch El (m)	809.30	Shear (N/m2)		90.38	
Alpha	1.00	Stream Power (N/m s)		285.33	
Frctn Loss (m)	0.90	Cum Volume (1000 m3)	0.84	5.30	0.07
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.70	6.64	0.16

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=2

E.G. Elev (m)	806.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.		0.030	
W.S. Elev (m)	806.34	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.34	Flow Area (m2)		1.80	
E.G. Slope (m/m)	0.013318	Area (m2)		1.80	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	4.40	Top Width (m)		4.40	
Vel Total (m/s)	2.03	Avg. Vel. (m/s)		2.03	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.41	
Conv. Total (m3/s)	31.5	Conv. (m3/s)		31.5	
Length Wtd. (m)	115.71	Wetted Per. (m)		4.70	
Min Ch El (m)	805.58	Shear (N/m2)		49.90	
Alpha	1.00	Stream Power (N/m s)		101.06	
Frctn Loss (m)	1.54	Cum Volume (1000 m3)	0.01	0.85	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.06	2.84	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=5

E.G. Elev (m)	806.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	806.55	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.55	Flow Area (m2)		2.86	
E.G. Slope (m/m)	0.012243	Area (m2)		2.86	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	5.44	Top Width (m)		5.44	
Vel Total (m/s)	2.29	Avg. Vel. (m/s)		2.29	
Max Chl Dpth (m)	0.97	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	59.2	Conv. (m3/s)		59.2	
Length Wtd. (m)	115.71	Wetted Per. (m)		5.84	
Min Ch El (m)	805.58	Shear (N/m2)		58.79	
Alpha	1.00	Stream Power (N/m s)		134.72	
Frctn Loss (m)	1.42	Cum Volume (1000 m3)	0.02	1.42	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.09	4.48	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=10

E.G. Elev (m)	807.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.		0.030	
W.S. Elev (m)	806.70	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.70	Flow Area (m2)		3.73	
E.G. Slope (m/m)	0.011682	Area (m2)		3.73	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	5.96	Top Width (m)		5.96	
Vel Total (m/s)	2.50	Avg. Vel. (m/s)		2.50	
Max Chl Dpth (m)	1.12	Hydr. Depth (m)		0.63	
Conv. Total (m3/s)	86.4	Conv. (m3/s)		86.4	
Length Wtd. (m)	115.71	Wetted Per. (m)		6.45	
Min Ch El (m)	805.58	Shear (N/m2)		66.28	
Alpha	1.00	Stream Power (N/m s)		165.81	
Frctn Loss (m)	1.35	Cum Volume (1000 m3)	0.03	1.83	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.12	4.73	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=25

E.G. Elev (m)	807.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	
W.S. Elev (m)	806.88	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	806.88	Flow Area (m2)		4.84	
E.G. Slope (m/m)	0.011185	Area (m2)		4.84	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	6.46	Top Width (m)		6.46	
Vel Total (m/s)	2.74	Avg. Vel. (m/s)		2.74	
Max Chl Dpth (m)	1.30	Hydr. Depth (m)		0.75	
Conv. Total (m3/s)	125.2	Conv. (m3/s)		125.2	
Length Wtd. (m)	115.71	Wetted Per. (m)		7.06	
Min Ch El (m)	805.58	Shear (N/m2)		75.08	
Alpha	1.00	Stream Power (N/m s)		205.59	
Frctn Loss (m)	1.28	Cum Volume (1000 m3)	0.05	2.38	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.17	5.14	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=50

E.G. Elev (m)	807.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.		0.030	
W.S. Elev (m)	807.02	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.02	Flow Area (m2)		5.72	
E.G. Slope (m/m)	0.010745	Area (m2)		5.72	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	6.83	Top Width (m)		6.83	
Vel Total (m/s)	2.88	Avg. Vel. (m/s)		2.88	
Max Chl Dpth (m)	1.44	Hydr. Depth (m)		0.84	
Conv. Total (m3/s)	159.1	Conv. (m3/s)		159.1	
Length Wtd. (m)	115.71	Wetted Per. (m)		7.52	
Min Ch El (m)	805.58	Shear (N/m2)		80.20	
Alpha	1.00	Stream Power (N/m s)		231.01	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)	0.06	2.79	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.20	5.30	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=100

E.G. Elev (m)	807.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.47	Wt. n-Val.		0.030	
W.S. Elev (m)	807.16	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.16	Flow Area (m2)		6.75	
E.G. Slope (m/m)	0.010410	Area (m2)		6.75	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=100 (Continued)

Top Width (m)	7.23	Top Width (m)		7.23	
Vel Total (m/s)	3.03	Avg. Vel. (m/s)		3.03	
Max Chl Dpth (m)	1.58	Hydr. Depth (m)		0.93	
Conv. Total (m3/s)	200.6	Conv. (m3/s)		200.6	
Length Wtd. (m)	115.71	Wetted Per. (m)		8.02	
Min Ch El (m)	805.58	Shear (N/m2)		85.93	
Alpha	1.00	Stream Power (N/m s)		260.53	
Frctn Loss (m)	1.20	Cum Volume (1000 m3)	0.08	3.26	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.23	5.48	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 455.0457 Profile: T=500

E.G. Elev (m)	808.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.57	Wt. n-Val.		0.030	
W.S. Elev (m)	807.50	Reach Len. (m)	123.30	115.71	103.75
Crit W.S. (m)	807.50	Flow Area (m2)		9.35	
E.G. Slope (m/m)	0.009863	Area (m2)		9.35	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	8.16	Top Width (m)		8.16	
Vel Total (m/s)	3.35	Avg. Vel. (m/s)		3.35	
Max Chl Dpth (m)	1.92	Hydr. Depth (m)		1.14	
Conv. Total (m3/s)	315.5	Conv. (m3/s)		315.5	
Length Wtd. (m)	115.71	Wetted Per. (m)		9.17	
Min Ch El (m)	805.58	Shear (N/m2)		98.55	
Alpha	1.00	Stream Power (N/m s)		330.33	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)	0.84	4.43	0.07
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.70	5.81	0.16

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=2

E.G. Elev (m)	791.89	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	791.71	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.71	Flow Area (m2)		1.93	
E.G. Slope (m/m)	0.013368	Area (m2)		1.93	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	5.42	Top Width (m)		5.42	
Vel Total (m/s)	1.89	Avg. Vel. (m/s)		1.89	
Max Chl Dpth (m)	0.53	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	31.5	Conv. (m3/s)		31.5	
Length Wtd. (m)	107.02	Wetted Per. (m)		5.64	
Min Ch El (m)	791.18	Shear (N/m2)		44.85	
Alpha	1.00	Stream Power (N/m s)		84.57	
Frctn Loss (m)	1.42	Cum Volume (1000 m3)	0.01	0.64	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	2.27	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=5

E.G. Elev (m)	792.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.		0.030	
W.S. Elev (m)	791.90	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	791.90	Flow Area (m2)		3.05	
E.G. Slope (m/m)	0.012294	Area (m2)		3.05	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	6.59	Top Width (m)		6.59	
Vel Total (m/s)	2.15	Avg. Vel. (m/s)		2.15	
Max Chl Dpth (m)	0.72	Hydr. Depth (m)		0.46	
Conv. Total (m3/s)	59.1	Conv. (m3/s)		59.1	
Length Wtd. (m)	107.02	Wetted Per. (m)		6.89	
Min Ch El (m)	791.18	Shear (N/m2)		53.38	

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		114.61	
Frctn Loss (m)	1.30	Cum Volume (1000 m3)	0.02	1.08	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.09	3.78	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=10

E.G. Elev (m)	792.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.28	Wt. n-Val.		0.030	
W.S. Elev (m)	792.03	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.03	Flow Area (m2)		3.99	
E.G. Slope (m/m)	0.011682	Area (m2)		3.99	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	7.25	Top Width (m)		7.25	
Vel Total (m/s)	2.34	Avg. Vel. (m/s)		2.34	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)		0.55	
Conv. Total (m3/s)	86.4	Conv. (m3/s)		86.4	
Length Wtd. (m)	107.02	Wetted Per. (m)		7.61	
Min Ch El (m)	791.18	Shear (N/m2)		60.02	
Alpha	1.00	Stream Power (N/m s)		140.52	
Frctn Loss (m)	1.24	Cum Volume (1000 m3)	0.03	1.38	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.12	3.97	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=25

E.G. Elev (m)	792.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	792.19	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.19	Flow Area (m2)		5.15	
E.G. Slope (m/m)	0.010918	Area (m2)		5.15	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	7.64	Top Width (m)		7.64	
Vel Total (m/s)	2.57	Avg. Vel. (m/s)		2.57	
Max Chl Dpth (m)	1.01	Hydr. Depth (m)		0.67	
Conv. Total (m3/s)	126.7	Conv. (m3/s)		126.7	
Length Wtd. (m)	107.02	Wetted Per. (m)		8.12	
Min Ch El (m)	791.18	Shear (N/m2)		67.92	
Alpha	1.00	Stream Power (N/m s)		174.63	
Frctn Loss (m)	1.17	Cum Volume (1000 m3)	0.05	1.80	0.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.17	4.32	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=50

E.G. Elev (m)	792.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	
W.S. Elev (m)	792.30	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.30	Flow Area (m2)		6.00	
E.G. Slope (m/m)	0.010744	Area (m2)		6.00	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	7.92	Top Width (m)		7.92	
Vel Total (m/s)	2.75	Avg. Vel. (m/s)		2.75	
Max Chl Dpth (m)	1.12	Hydr. Depth (m)		0.76	
Conv. Total (m3/s)	159.1	Conv. (m3/s)		159.1	
Length Wtd. (m)	107.02	Wetted Per. (m)		8.47	
Min Ch El (m)	791.18	Shear (N/m2)		74.67	
Alpha	1.00	Stream Power (N/m s)		205.07	
Frctn Loss (m)	1.15	Cum Volume (1000 m3)	0.06	2.11	0.03
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.20	4.45	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=100

E.G. Elev (m)	792.86	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.		0.030	
W.S. Elev (m)	792.43	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.43	Flow Area (m2)		7.06	
E.G. Slope (m/m)	0.010297	Area (m2)		7.06	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	8.25	Top Width (m)		8.25	
Vel Total (m/s)	2.90	Avg. Vel. (m/s)		2.90	
Max Chl Dpth (m)	1.25	Hydr. Depth (m)		0.86	
Conv. Total (m3/s)	201.7	Conv. (m3/s)		201.7	
Length Wtd. (m)	107.02	Wetted Per. (m)		8.89	
Min Ch El (m)	791.18	Shear (N/m2)		80.15	
Alpha	1.00	Stream Power (N/m s)		232.41	
Frctn Loss (m)	1.11	Cum Volume (1000 m3)	0.08	2.46	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.23	4.58	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 339.3399 Profile: T=500

E.G. Elev (m)	793.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.		0.030	
W.S. Elev (m)	792.72	Reach Len. (m)	118.49	107.02	92.74
Crit W.S. (m)	792.72	Flow Area (m2)		9.60	
E.G. Slope (m/m)	0.009902	Area (m2)		9.60	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	8.99	Top Width (m)		8.99	
Vel Total (m/s)	3.26	Avg. Vel. (m/s)		3.26	
Max Chl Dpth (m)	1.54	Hydr. Depth (m)		1.07	
Conv. Total (m3/s)	314.8	Conv. (m3/s)		314.8	
Length Wtd. (m)	107.02	Wetted Per. (m)		9.84	
Min Ch El (m)	791.18	Shear (N/m2)		94.75	
Alpha	1.00	Stream Power (N/m s)		309.16	
Frctn Loss (m)	1.05	Cum Volume (1000 m3)	0.84	3.33	0.07
C & E Loss (m)	0.02	Cum SA (1000 m2)	1.70	4.82	0.16

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=2

E.G. Elev (m)	778.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	778.43	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.43	Flow Area (m2)		1.87	
E.G. Slope (m/m)	0.013152	Area (m2)		1.87	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	4.99	Top Width (m)		4.99	
Vel Total (m/s)	1.94	Avg. Vel. (m/s)		1.94	
Max Chl Dpth (m)	0.64	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	31.7	Conv. (m3/s)		31.7	
Length Wtd. (m)	100.52	Wetted Per. (m)		5.18	
Min Ch El (m)	777.79	Shear (N/m2)		46.68	
Alpha	1.00	Stream Power (N/m s)		90.62	
Frctn Loss (m)	1.41	Cum Volume (1000 m3)	0.01	0.43	0.00
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.06	1.71	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=5

E.G. Elev (m)	778.88	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	778.63	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.63	Flow Area (m2)		2.92	
E.G. Slope (m/m)	0.012074	Area (m2)		2.92	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=5 (Continued)

Top Width (m)	5.83	Top Width (m)		5.83	
Vel Total (m/s)	2.24	Avg. Vel. (m/s)		2.24	
Max Chl Dpth (m)	0.84	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	59.6	Conv. (m3/s)		59.6	
Length Wtd. (m)	100.52	Wetted Per. (m)		6.11	
Min Ch El (m)	777.79	Shear (N/m2)		56.64	
Alpha	1.00	Stream Power (N/m s)		126.89	
Frctn Loss (m)	1.37	Cum Volume (1000 m3)	0.02	0.76	0.01
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.09	3.12	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=10

E.G. Elev (m)	779.08	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	
W.S. Elev (m)	778.77	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.77	Flow Area (m2)		3.84	
E.G. Slope (m/m)	0.011486	Area (m2)		3.84	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	6.48	Top Width (m)		6.48	
Vel Total (m/s)	2.43	Avg. Vel. (m/s)		2.43	
Max Chl Dpth (m)	0.98	Hydr. Depth (m)		0.59	
Conv. Total (m3/s)	87.1	Conv. (m3/s)		87.1	
Length Wtd. (m)	100.52	Wetted Per. (m)		6.82	
Min Ch El (m)	777.79	Shear (N/m2)		63.36	
Alpha	1.00	Stream Power (N/m s)		154.25	
Frctn Loss (m)	1.31	Cum Volume (1000 m3)	0.03	0.96	0.01
C & E Loss (m)	0.05	Cum SA (1000 m2)	0.12	3.23	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=25

E.G. Elev (m)	779.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	778.95	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	778.95	Flow Area (m2)		5.09	
E.G. Slope (m/m)	0.010951	Area (m2)		5.09	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	7.50	Top Width (m)		7.50	
Vel Total (m/s)	2.60	Avg. Vel. (m/s)		2.60	
Max Chl Dpth (m)	1.16	Hydr. Depth (m)		0.68	
Conv. Total (m3/s)	126.5	Conv. (m3/s)		126.5	
Length Wtd. (m)	100.52	Wetted Per. (m)		7.92	
Min Ch El (m)	777.79	Shear (N/m2)		69.09	
Alpha	1.00	Stream Power (N/m s)		179.63	
Frctn Loss (m)	1.23	Cum Volume (1000 m3)	0.05	1.25	0.02
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.17	3.51	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=50

E.G. Elev (m)	779.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	
W.S. Elev (m)	779.08	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.08	Flow Area (m2)		6.11	
E.G. Slope (m/m)	0.010698	Area (m2)		6.11	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	
Top Width (m)	8.35	Top Width (m)		8.35	
Vel Total (m/s)	2.70	Avg. Vel. (m/s)		2.70	
Max Chl Dpth (m)	1.29	Hydr. Depth (m)		0.73	
Conv. Total (m3/s)	159.4	Conv. (m3/s)		159.4	
Length Wtd. (m)	100.52	Wetted Per. (m)		8.81	
Min Ch El (m)	777.79	Shear (N/m2)		72.73	

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=50 (Continued)

Alpha	1.00	Stream Power (N/m s)		196.43	
Frctn Loss (m)	1.18	Cum Volume (1000 m3)	0.06	1.46	0.03
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.20	3.57	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=100

E.G. Elev (m)	779.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.		0.030	
W.S. Elev (m)	779.22	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.22	Flow Area (m2)		7.30	
E.G. Slope (m/m)	0.010411	Area (m2)		7.30	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	9.25	Top Width (m)		9.25	
Vel Total (m/s)	2.80	Avg. Vel. (m/s)		2.80	
Max Chl Dpth (m)	1.43	Hydr. Depth (m)		0.79	
Conv. Total (m3/s)	200.6	Conv. (m3/s)		200.6	
Length Wtd. (m)	100.52	Wetted Per. (m)		9.76	
Min Ch El (m)	777.79	Shear (N/m2)		76.41	
Alpha	1.00	Stream Power (N/m s)		214.23	
Frctn Loss (m)	1.14	Cum Volume (1000 m3)	0.08	1.70	0.03
C & E Loss (m)	0.06	Cum SA (1000 m2)	0.23	3.65	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 232.3247 Profile: T=500

E.G. Elev (m)	779.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.48	Wt. n-Val.		0.030	
W.S. Elev (m)	779.51	Reach Len. (m)	104.14	100.52	97.25
Crit W.S. (m)	779.51	Flow Area (m2)		10.18	
E.G. Slope (m/m)	0.009681	Area (m2)		10.18	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	10.57	Top Width (m)		10.57	
Vel Total (m/s)	3.08	Avg. Vel. (m/s)		3.08	
Max Chl Dpth (m)	1.72	Hydr. Depth (m)		0.96	
Conv. Total (m3/s)	318.4	Conv. (m3/s)		318.4	
Length Wtd. (m)	100.52	Wetted Per. (m)		11.20	
Min Ch El (m)	777.79	Shear (N/m2)		86.28	
Alpha	1.00	Stream Power (N/m s)		265.50	
Frctn Loss (m)	1.06	Cum Volume (1000 m3)	0.84	2.27	0.07
C & E Loss (m)	0.07	Cum SA (1000 m2)	1.70	3.77	0.16

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=2

E.G. Elev (m)	771.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	771.82	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.82	Flow Area (m2)		2.47	
E.G. Slope (m/m)	0.015020	Area (m2)		2.47	
Q Total (m3/s)	3.64	Flow (m3/s)		3.64	
Top Width (m)	11.35	Top Width (m)		11.35	
Vel Total (m/s)	1.47	Avg. Vel. (m/s)		1.47	
Max Chl Dpth (m)	0.43	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	29.7	Conv. (m3/s)		29.7	
Length Wtd. (m)	92.10	Wetted Per. (m)		11.39	
Min Ch El (m)	771.39	Shear (N/m2)		31.93	
Alpha	1.00	Stream Power (N/m s)		47.07	
Frctn Loss (m)	1.26	Cum Volume (1000 m3)	0.01	0.21	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.06	0.89	0.02

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=5

E.G. Elev (m)	772.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	771.96	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	771.96	Flow Area (m2)		4.82	
E.G. Slope (m/m)	0.015417	Area (m2)		4.82	
Q Total (m3/s)	6.55	Flow (m3/s)		6.55	
Top Width (m)	25.54	Top Width (m)		25.54	
Vel Total (m/s)	1.36	Avg. Vel. (m/s)		1.36	
Max Chl Dpth (m)	0.57	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	52.8	Conv. (m3/s)		52.8	
Length Wtd. (m)	92.12	Wetted Per. (m)		25.61	
Min Ch El (m)	771.39	Shear (N/m2)		28.45	
Alpha	1.00	Stream Power (N/m s)		38.67	
Frctn Loss (m)	1.20	Cum Volume (1000 m3)	0.02	0.37	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.09	1.54	0.04

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=10

E.G. Elev (m)	772.13	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	772.01	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.01	Flow Area (m2)		6.09	
E.G. Slope (m/m)	0.014992	Area (m2)		6.09	
Q Total (m3/s)	9.34	Flow (m3/s)		9.34	
Top Width (m)	26.41	Top Width (m)		26.41	
Vel Total (m/s)	1.53	Avg. Vel. (m/s)		1.53	
Max Chl Dpth (m)	0.62	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	76.3	Conv. (m3/s)		76.3	
Length Wtd. (m)	92.13	Wetted Per. (m)		26.49	
Min Ch El (m)	771.39	Shear (N/m2)		33.82	
Alpha	1.00	Stream Power (N/m s)		51.83	
Frctn Loss (m)	1.13	Cum Volume (1000 m3)	0.03	0.46	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.12	1.58	0.06

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=25

E.G. Elev (m)	772.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	772.07	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.07	Flow Area (m2)		7.97	
E.G. Slope (m/m)	0.013765	Area (m2)		7.97	
Q Total (m3/s)	13.24	Flow (m3/s)		13.24	
Top Width (m)	28.72	Top Width (m)		28.72	
Vel Total (m/s)	1.66	Avg. Vel. (m/s)		1.66	
Max Chl Dpth (m)	0.68	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	112.9	Conv. (m3/s)		112.9	
Length Wtd. (m)	92.14	Wetted Per. (m)		28.83	
Min Ch El (m)	771.39	Shear (N/m2)		37.34	
Alpha	1.00	Stream Power (N/m s)		62.00	
Frctn Loss (m)	1.03	Cum Volume (1000 m3)	0.05	0.59	0.02
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.17	1.69	0.07

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=50

E.G. Elev (m)	772.28	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	772.12	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.12	Flow Area (m2)		9.28	
E.G. Slope (m/m)	0.013037	Area (m2)		9.28	
Q Total (m3/s)	16.49	Flow (m3/s)		16.49	

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=50 (Continued)

Top Width (m)	28.96	Top Width (m)		28.96	
Vel Total (m/s)	1.78	Avg. Vel. (m/s)		1.78	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	144.4	Conv. (m3/s)		144.4	
Length Wtd. (m)	92.16	Wetted Per. (m)		29.08	
Min Ch El (m)	771.39	Shear (N/m2)		40.79	
Alpha	1.00	Stream Power (N/m s)		72.49	
Frctn Loss (m)	0.96	Cum Volume (1000 m3)	0.06	0.69	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.20	1.70	0.09

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=100

E.G. Elev (m)	772.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	772.17	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.17	Flow Area (m2)		10.74	
E.G. Slope (m/m)	0.012508	Area (m2)		10.74	
Q Total (m3/s)	20.47	Flow (m3/s)		20.47	
Top Width (m)	29.23	Top Width (m)		29.23	
Vel Total (m/s)	1.91	Avg. Vel. (m/s)		1.91	
Max Chl Dpth (m)	0.78	Hydr. Depth (m)		0.37	
Conv. Total (m3/s)	183.0	Conv. (m3/s)		183.0	
Length Wtd. (m)	92.19	Wetted Per. (m)		29.37	
Min Ch El (m)	771.39	Shear (N/m2)		44.85	
Alpha	1.00	Stream Power (N/m s)		85.49	
Frctn Loss (m)	0.92	Cum Volume (1000 m3)	0.08	0.79	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.23	1.71	0.11

Plan: Plan 03 ArroyoPoeillo 1 RS: 131.8060 Profile: T=500

E.G. Elev (m)	772.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.		0.030	
W.S. Elev (m)	772.29	Reach Len. (m)	97.75	91.98	86.16
Crit W.S. (m)	772.29	Flow Area (m2)		14.31	
E.G. Slope (m/m)	0.011599	Area (m2)		14.31	
Q Total (m3/s)	31.33	Flow (m3/s)		31.33	
Top Width (m)	29.87	Top Width (m)		29.87	
Vel Total (m/s)	2.19	Avg. Vel. (m/s)		2.19	
Max Chl Dpth (m)	0.90	Hydr. Depth (m)		0.48	
Conv. Total (m3/s)	290.9	Conv. (m3/s)		290.9	
Length Wtd. (m)	93.40	Wetted Per. (m)		30.05	
Min Ch El (m)	771.39	Shear (N/m2)		54.17	
Alpha	1.00	Stream Power (N/m s)		118.58	
Frctn Loss (m)	0.40	Cum Volume (1000 m3)	0.84	1.04	0.07
C & E Loss (m)	0.05	Cum SA (1000 m2)	1.70	1.74	0.16

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=2

E.G. Elev (m)	764.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	763.93	Reach Len. (m)			
Crit W.S. (m)	763.93	Flow Area (m2)	0.17	2.19	0.04
E.G. Slope (m/m)	0.012593	Area (m2)	0.17	2.19	0.04
Q Total (m3/s)	3.64	Flow (m3/s)	0.17	3.45	0.02
Top Width (m)	9.77	Top Width (m)	1.27	8.00	0.50
Vel Total (m/s)	1.52	Avg. Vel. (m/s)	0.98	1.57	0.63
Max Chl Dpth (m)	0.42	Hydr. Depth (m)	0.14	0.27	0.07
Conv. Total (m3/s)	32.4	Conv. (m3/s)	1.5	30.7	0.2
Length Wtd. (m)		Wetted Per. (m)	1.30	8.02	0.52
Min Ch El (m)	763.51	Shear (N/m2)	16.46	33.72	8.46

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=2 (Continued)

Alpha	1.04	Stream Power (N/m s)	16.06	53.09	5.30
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=5

E.G. Elev (m)	764.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.06	Reach Len. (m)			
Crit W.S. (m)	764.06	Flow Area (m2)	0.36	3.18	0.12
E.G. Slope (m/m)	0.011073	Area (m2)	0.36	3.18	0.12
Q Total (m3/s)	6.55	Flow (m3/s)	0.43	6.01	0.11
Top Width (m)	10.77	Top Width (m)	1.84	8.00	0.93
Vel Total (m/s)	1.79	Avg. Vel. (m/s)	1.17	1.89	0.89
Max Chl Dpth (m)	0.55	Hydr. Depth (m)	0.20	0.40	0.13
Conv. Total (m3/s)	62.2	Conv. (m3/s)	4.1	57.1	1.0
Length Wtd. (m)		Wetted Per. (m)	1.88	8.02	0.97
Min Ch El (m)	763.51	Shear (N/m2)	21.02	43.01	13.88
Alpha	1.06	Stream Power (N/m s)	24.67	81.37	12.36
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=10

E.G. Elev (m)	764.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.15	Reach Len. (m)			
Crit W.S. (m)	764.15	Flow Area (m2)	0.57	3.96	0.23
E.G. Slope (m/m)	0.010293	Area (m2)	0.57	3.96	0.23
Q Total (m3/s)	9.34	Flow (m3/s)	0.72	8.37	0.25
Top Width (m)	11.75	Top Width (m)	2.47	8.00	1.28
Vel Total (m/s)	1.96	Avg. Vel. (m/s)	1.26	2.11	1.06
Max Chl Dpth (m)	0.64	Hydr. Depth (m)	0.23	0.50	0.18
Conv. Total (m3/s)	92.1	Conv. (m3/s)	7.1	82.5	2.4
Length Wtd. (m)		Wetted Per. (m)	2.52	8.02	1.33
Min Ch El (m)	763.51	Shear (N/m2)	22.92	49.85	17.66
Alpha	1.08	Stream Power (N/m s)	28.86	105.33	18.69
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=25

E.G. Elev (m)	764.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.28	Reach Len. (m)			
Crit W.S. (m)	764.28	Flow Area (m2)	0.93	4.94	0.41
E.G. Slope (m/m)	0.009305	Area (m2)	0.93	4.94	0.41
Q Total (m3/s)	13.24	Flow (m3/s)	1.25	11.48	0.50
Top Width (m)	13.08	Top Width (m)	3.38	8.00	1.70
Vel Total (m/s)	2.11	Avg. Vel. (m/s)	1.35	2.33	1.22
Max Chl Dpth (m)	0.77	Hydr. Depth (m)	0.28	0.62	0.24
Conv. Total (m3/s)	137.3	Conv. (m3/s)	13.0	119.1	5.2
Length Wtd. (m)		Wetted Per. (m)	3.44	8.02	1.77
Min Ch El (m)	763.51	Shear (N/m2)	24.70	56.15	21.31
Alpha	1.11	Stream Power (N/m s)	33.23	130.62	25.99
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=50

E.G. Elev (m)	764.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.37	Reach Len. (m)			
Crit W.S. (m)	764.37	Flow Area (m2)	1.28	5.68	0.59
E.G. Slope (m/m)	0.008563	Area (m2)	1.28	5.68	0.59
Q Total (m3/s)	16.49	Flow (m3/s)	1.80	13.92	0.77
Top Width (m)	14.10	Top Width (m)	4.05	8.00	2.04
Vel Total (m/s)	2.19	Avg. Vel. (m/s)	1.41	2.45	1.31
Max Chl Dpth (m)	0.86	Hydr. Depth (m)	0.31	0.71	0.29
Conv. Total (m3/s)	178.2	Conv. (m3/s)	19.5	150.4	8.3
Length Wtd. (m)		Wetted Per. (m)	4.12	8.02	2.12
Min Ch El (m)	763.51	Shear (N/m2)	26.02	59.45	23.24
Alpha	1.12	Stream Power (N/m s)	36.75	145.68	30.43
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=100

E.G. Elev (m)	764.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.46	Reach Len. (m)			
Crit W.S. (m)	764.46	Flow Area (m2)	1.69	6.44	0.80
E.G. Slope (m/m)	0.008209	Area (m2)	1.69	6.44	0.80
Q Total (m3/s)	20.47	Flow (m3/s)	2.58	16.79	1.11
Top Width (m)	15.12	Top Width (m)	4.61	8.00	2.51
Vel Total (m/s)	2.29	Avg. Vel. (m/s)	1.53	2.61	1.38
Max Chl Dpth (m)	0.95	Hydr. Depth (m)	0.37	0.80	0.32
Conv. Total (m3/s)	225.9	Conv. (m3/s)	28.4	185.3	12.2
Length Wtd. (m)		Wetted Per. (m)	4.68	8.02	2.60
Min Ch El (m)	763.51	Shear (N/m2)	28.98	64.59	24.86
Alpha	1.14	Stream Power (N/m s)	44.29	168.45	34.31
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 03 ArroyoPoeillo 1 RS: 39.82295 Profile: T=500

E.G. Elev (m)	764.78	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	764.70	Reach Len. (m)			
Crit W.S. (m)	764.70	Flow Area (m2)	17.17	8.33	1.54
E.G. Slope (m/m)	0.002193	Area (m2)	17.17	8.33	1.54
Q Total (m3/s)	31.33	Flow (m3/s)	16.69	13.33	1.31
Top Width (m)	46.41	Top Width (m)	34.71	8.00	3.70
Vel Total (m/s)	1.16	Avg. Vel. (m/s)	0.97	1.60	0.85
Max Chl Dpth (m)	1.19	Hydr. Depth (m)	0.49	1.04	0.42
Conv. Total (m3/s)	669.1	Conv. (m3/s)	356.5	284.7	28.0
Length Wtd. (m)		Wetted Per. (m)	34.94	8.02	3.81
Min Ch El (m)	763.51	Shear (N/m2)	10.57	22.32	8.67
Alpha	1.21	Stream Power (N/m s)	10.27	35.73	7.39
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 04 TributarioArroyo 1 RS: 1253.751 Profile: T=2

E.G. Elev (m)	818.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	817.96	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	817.96	Flow Area (m2)		8.10	
E.G. Slope (m/m)	0.012753	Area (m2)		8.10	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	22.06	Top Width (m)		22.06	
Vel Total (m/s)	1.93	Avg. Vel. (m/s)		1.93	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)		0.37	
Conv. Total (m3/s)	138.2	Conv. (m3/s)		138.2	
Length Wtd. (m)	83.80	Wetted Per. (m)		22.14	
Min Ch El (m)	817.36	Shear (N/m2)		45.78	
Alpha	1.00	Stream Power (N/m s)		88.19	
Frctn Loss (m)	1.08	Cum Volume (1000 m3)	0.06	8.96	0.05
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.48	21.84	0.52

Plan: Plan 04 TributarioArroyo 1 RS: 1253.751 Profile: T=5

E.G. Elev (m)	818.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.28	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	818.17	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.17	Flow Area (m2)	0.03	12.80	
E.G. Slope (m/m)	0.010980	Area (m2)	0.03	12.80	
Q Total (m3/s)	29.92	Flow (m3/s)	0.01	29.91	
Top Width (m)	23.70	Top Width (m)	0.43	23.27	
Vel Total (m/s)	2.33	Avg. Vel. (m/s)	0.51	2.34	
Max Chl Dpth (m)	0.81	Hydr. Depth (m)	0.06	0.55	
Conv. Total (m3/s)	285.5	Conv. (m3/s)	0.1	285.4	
Length Wtd. (m)	83.79	Wetted Per. (m)	0.45	23.39	
Min Ch El (m)	817.36	Shear (N/m2)	6.09	58.92	
Alpha	1.00	Stream Power (N/m s)	3.14	137.70	
Frctn Loss (m)	0.90	Cum Volume (1000 m3)	0.17	14.46	0.20
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.84	24.69	1.33

Plan: Plan 04 TributarioArroyo 1 RS: 1253.751 Profile: T=10

E.G. Elev (m)	818.67	Element	Left OB	Channel	Right OB
Vel Head (m)	0.35	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	818.33	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.33	Flow Area (m2)	0.14	16.60	
E.G. Slope (m/m)	0.010025	Area (m2)	0.14	16.60	
Q Total (m3/s)	43.39	Flow (m3/s)	0.13	43.26	
Top Width (m)	24.94	Top Width (m)	1.03	23.91	
Vel Total (m/s)	2.59	Avg. Vel. (m/s)	0.88	2.61	
Max Chl Dpth (m)	0.97	Hydr. Depth (m)	0.14	0.69	
Conv. Total (m3/s)	433.4	Conv. (m3/s)	1.3	432.1	
Length Wtd. (m)	83.80	Wetted Per. (m)	1.07	24.05	
Min Ch El (m)	817.36	Shear (N/m2)	13.21	67.85	
Alpha	1.01	Stream Power (N/m s)	11.56	176.85	
Frctn Loss (m)	0.80	Cum Volume (1000 m3)	0.37	18.89	0.45
C & E Loss (m)	0.02	Cum SA (1000 m2)	1.69	25.78	1.93

Plan: Plan 04 TributarioArroyo 1 RS: 1253.751 Profile: T=25

E.G. Elev (m)	818.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	818.53	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.53	Flow Area (m2)	0.42	21.36	0.05
E.G. Slope (m/m)	0.008982	Area (m2)	0.42	21.36	0.05
Q Total (m3/s)	62.72	Flow (m3/s)	0.50	62.19	0.03

Plan: Plan 04 TributarioArroyo 1 RS: 1253.751 Profile: T=25 (Continued)

Top Width (m)	26.34	Top Width (m)	1.77	24.00	0.58
Vel Total (m/s)	2.87	Avg. Vel. (m/s)	1.19	2.91	0.61
Max Chl Dpth (m)	1.17	Hydr. Depth (m)	0.24	0.89	0.09
Conv. Total (m3/s)	661.8	Conv. (m3/s)	5.3	656.2	0.3
Length Wtd. (m)	83.82	Wetted Per. (m)	1.83	24.14	0.61
Min Ch El (m)	817.36	Shear (N/m2)	20.27	77.94	7.45
Alpha	1.02	Stream Power (N/m s)	24.04	226.93	4.53
Frctn Loss (m)	0.70	Cum Volume (1000 m3)	0.77	24.57	0.92
C & E Loss (m)	0.03	Cum SA (1000 m2)	2.65	26.79	3.27

Plan: Plan 04 TributarioArroyo 1 RS: 1253.751 Profile: T=50

E.G. Elev (m)	819.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.49	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	818.68	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.68	Flow Area (m2)	0.73	24.99	0.18
E.G. Slope (m/m)	0.008333	Area (m2)	0.73	24.99	0.18
Q Total (m3/s)	78.96	Flow (m3/s)	1.00	77.81	0.16
Top Width (m)	27.43	Top Width (m)	2.36	24.00	1.08
Vel Total (m/s)	3.05	Avg. Vel. (m/s)	1.36	3.11	0.89
Max Chl Dpth (m)	1.32	Hydr. Depth (m)	0.31	1.04	0.16
Conv. Total (m3/s)	865.0	Conv. (m3/s)	10.9	852.4	1.7
Length Wtd. (m)	83.84	Wetted Per. (m)	2.44	24.14	1.12
Min Ch El (m)	817.36	Shear (N/m2)	24.49	84.59	12.82
Alpha	1.03	Stream Power (N/m s)	33.38	263.40	11.35
Frctn Loss (m)	0.67	Cum Volume (1000 m3)	1.10	28.52	1.34
C & E Loss (m)	0.03	Cum SA (1000 m2)	3.45	27.05	3.97

Plan: Plan 04 TributarioArroyo 1 RS: 1253.751 Profile: T=100

E.G. Elev (m)	819.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.56	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	818.84	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	818.84	Flow Area (m2)	1.18	28.94	0.40
E.G. Slope (m/m)	0.007885	Area (m2)	1.18	28.94	0.40
Q Total (m3/s)	98.95	Flow (m3/s)	1.81	96.69	0.45
Top Width (m)	28.65	Top Width (m)	3.03	24.00	1.62
Vel Total (m/s)	3.24	Avg. Vel. (m/s)	1.54	3.34	1.13
Max Chl Dpth (m)	1.48	Hydr. Depth (m)	0.39	1.21	0.25
Conv. Total (m3/s)	1114.4	Conv. (m3/s)	20.4	1088.9	5.1
Length Wtd. (m)	83.87	Wetted Per. (m)	3.13	24.14	1.69
Min Ch El (m)	817.36	Shear (N/m2)	29.01	92.71	18.22
Alpha	1.04	Stream Power (N/m s)	44.67	309.71	20.58
Frctn Loss (m)	0.63	Cum Volume (1000 m3)	1.84	33.32	2.18
C & E Loss (m)	0.04	Cum SA (1000 m2)	4.65	27.21	5.04

Plan: Plan 04 TributarioArroyo 1 RS: 1253.751 Profile: T=500

E.G. Elev (m)	819.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.71	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	819.25	Reach Len. (m)	77.97	83.80	91.15
Crit W.S. (m)	819.25	Flow Area (m2)	2.72	38.63	1.31
E.G. Slope (m/m)	0.006940	Area (m2)	2.72	38.63	1.31
Q Total (m3/s)	154.07	Flow (m3/s)	5.23	146.76	2.08
Top Width (m)	31.47	Top Width (m)	4.57	24.00	2.90
Vel Total (m/s)	3.61	Avg. Vel. (m/s)	1.92	3.80	1.59
Max Chl Dpth (m)	1.89	Hydr. Depth (m)	0.60	1.61	0.45
Conv. Total (m3/s)	1849.5	Conv. (m3/s)	62.8	1761.7	25.0
Length Wtd. (m)	83.89	Wetted Per. (m)	4.73	24.14	3.03
Min Ch El (m)	817.36	Shear (N/m2)	39.19	108.91	29.42

Plan: Plan 04 TributarioArroyo 1 RS: 1253.751 Profile: T=500 (Continued)

Alpha	1.07	Stream Power (N/m s)	75.33	413.75	46.69
Frctn Loss (m)	0.57	Cum Volume (1000 m3)	3.87	44.16	4.36
C & E Loss (m)	0.05	Cum SA (1000 m2)	6.88	27.41	6.86

Plan: Plan 04 TributarioArroyo 1 RS: 1169.948 Profile: T=2

E.G. Elev (m)	815.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	815.44	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.44	Flow Area (m2)	0.01	8.55	
E.G. Slope (m/m)	0.013056	Area (m2)	0.01	8.55	
Q Total (m3/s)	15.61	Flow (m3/s)	0.00	15.61	
Top Width (m)	26.20	Top Width (m)	0.46	25.74	
Vel Total (m/s)	1.82	Avg. Vel. (m/s)	0.33	1.83	
Max Chl Dpth (m)	0.58	Hydr. Depth (m)	0.03	0.33	
Conv. Total (m3/s)	136.6	Conv. (m3/s)	0.0	136.6	
Length Wtd. (m)	108.85	Wetted Per. (m)	0.46	25.77	
Min Ch El (m)	814.86	Shear (N/m2)	3.21	42.48	
Alpha	1.00	Stream Power (N/m s)	1.05	77.55	
Frctn Loss (m)	1.30	Cum Volume (1000 m3)	0.06	8.27	0.05
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.46	19.83	0.52

Plan: Plan 04 TributarioArroyo 1 RS: 1169.948 Profile: T=5

E.G. Elev (m)	815.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.63	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.63	Flow Area (m2)	0.26	13.49	0.21
E.G. Slope (m/m)	0.010399	Area (m2)	0.26	13.49	0.21
Q Total (m3/s)	29.92	Flow (m3/s)	0.21	29.57	0.14
Top Width (m)	30.72	Top Width (m)	2.25	26.00	2.47
Vel Total (m/s)	2.14	Avg. Vel. (m/s)	0.81	2.19	0.65
Max Chl Dpth (m)	0.77	Hydr. Depth (m)	0.12	0.52	0.08
Conv. Total (m3/s)	293.4	Conv. (m3/s)	2.1	290.0	1.3
Length Wtd. (m)	108.91	Wetted Per. (m)	2.27	26.03	2.47
Min Ch El (m)	814.86	Shear (N/m2)	11.84	52.83	8.57
Alpha	1.04	Stream Power (N/m s)	9.58	115.85	5.59
Frctn Loss (m)	1.12	Cum Volume (1000 m3)	0.16	13.36	0.20
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.74	22.62	1.22

Plan: Plan 04 TributarioArroyo 1 RS: 1169.948 Profile: T=10

E.G. Elev (m)	816.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.78	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.78	Flow Area (m2)	0.74	17.36	0.76
E.G. Slope (m/m)	0.009031	Area (m2)	0.74	17.36	0.76
Q Total (m3/s)	43.39	Flow (m3/s)	0.74	41.98	0.66
Top Width (m)	35.32	Top Width (m)	4.09	26.00	5.24
Vel Total (m/s)	2.30	Avg. Vel. (m/s)	1.01	2.42	0.87
Max Chl Dpth (m)	0.92	Hydr. Depth (m)	0.18	0.67	0.14
Conv. Total (m3/s)	456.6	Conv. (m3/s)	7.8	441.8	7.0
Length Wtd. (m)	109.03	Wetted Per. (m)	4.10	26.03	5.25
Min Ch El (m)	814.86	Shear (N/m2)	15.93	59.07	12.80
Alpha	1.07	Stream Power (N/m s)	16.07	142.84	11.17
Frctn Loss (m)	0.95	Cum Volume (1000 m3)	0.34	17.47	0.41
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.49	23.69	1.70

Plan: Plan 04 TributarioArroyo 1 RS: 1169.948 Profile: T=25

E.G. Elev (m)	816.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.33	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	815.96	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	815.96	Flow Area (m2)	1.65	22.17	2.04
E.G. Slope (m/m)	0.007706	Area (m2)	1.65	22.17	2.04
Q Total (m3/s)	62.72	Flow (m3/s)	2.09	58.27	2.36
Top Width (m)	39.90	Top Width (m)	5.76	26.00	8.13
Vel Total (m/s)	2.43	Avg. Vel. (m/s)	1.27	2.63	1.16
Max Chl Dpth (m)	1.10	Hydr. Depth (m)	0.29	0.85	0.25
Conv. Total (m3/s)	714.5	Conv. (m3/s)	23.8	663.8	26.9
Length Wtd. (m)	109.14	Wetted Per. (m)	5.79	26.03	8.15
Min Ch El (m)	814.86	Shear (N/m2)	21.50	64.35	18.88
Alpha	1.11	Stream Power (N/m s)	27.21	169.18	21.91
Frctn Loss (m)	0.86	Cum Volume (1000 m3)	0.69	22.74	0.83
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.35	24.69	2.87

Plan: Plan 04 TributarioArroyo 1 RS: 1169.948 Profile: T=50

E.G. Elev (m)	816.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.08	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	816.08	Flow Area (m2)	2.38	25.15	3.00
E.G. Slope (m/m)	0.007576	Area (m2)	2.38	25.15	3.00
Q Total (m3/s)	78.96	Flow (m3/s)	3.36	71.33	4.27
Top Width (m)	41.69	Top Width (m)	6.94	26.00	8.75
Vel Total (m/s)	2.59	Avg. Vel. (m/s)	1.42	2.84	1.42
Max Chl Dpth (m)	1.22	Hydr. Depth (m)	0.34	0.97	0.34
Conv. Total (m3/s)	907.2	Conv. (m3/s)	38.6	819.5	49.0
Length Wtd. (m)	109.22	Wetted Per. (m)	6.97	26.03	8.78
Min Ch El (m)	814.86	Shear (N/m2)	25.32	71.79	25.43
Alpha	1.12	Stream Power (N/m s)	35.85	203.60	36.10
Frctn Loss (m)	0.96	Cum Volume (1000 m3)	0.98	26.42	1.20
C & E Loss (m)	0.01	Cum SA (1000 m2)	3.09	24.96	3.52

Plan: Plan 04 TributarioArroyo 1 RS: 1169.948 Profile: T=100

E.G. Elev (m)	816.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.22	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	816.22	Flow Area (m2)	3.44	28.77	4.28
E.G. Slope (m/m)	0.007128	Area (m2)	3.44	28.77	4.28
Q Total (m3/s)	98.95	Flow (m3/s)	5.35	86.56	7.04
Top Width (m)	43.85	Top Width (m)	8.35	26.00	9.50
Vel Total (m/s)	2.71	Avg. Vel. (m/s)	1.55	3.01	1.65
Max Chl Dpth (m)	1.36	Hydr. Depth (m)	0.41	1.11	0.45
Conv. Total (m3/s)	1172.0	Conv. (m3/s)	63.4	1025.2	83.4
Length Wtd. (m)	109.32	Wetted Per. (m)	8.39	26.03	9.55
Min Ch El (m)	814.86	Shear (N/m2)	28.68	77.26	31.31
Alpha	1.12	Stream Power (N/m s)	44.57	232.44	51.58
Frctn Loss (m)	0.78	Cum Volume (1000 m3)	1.66	30.90	1.97
C & E Loss (m)	0.01	Cum SA (1000 m2)	4.21	25.11	4.53

Plan: Plan 04 TributarioArroyo 1 RS: 1169.948 Profile: T=500

E.G. Elev (m)	817.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	816.53	Reach Len. (m)	97.37	108.89	124.00
Crit W.S. (m)	816.53	Flow Area (m2)	6.43	36.80	7.43
E.G. Slope (m/m)	0.006649	Area (m2)	6.43	36.80	7.43
Q Total (m3/s)	154.07	Flow (m3/s)	12.39	126.02	15.66

Plan: Plan 04 TributarioArroyo 1 RS: 1169.948 Profile: T=500 (Continued)

Top Width (m)	47.49	Top Width (m)	10.69	26.00	10.81
Vel Total (m/s)	3.04	Avg. Vel. (m/s)	1.93	3.42	2.11
Max Chl Dpth (m)	1.67	Hydr. Depth (m)	0.60	1.42	0.69
Conv. Total (m3/s)	1889.5	Conv. (m3/s)	152.0	1545.5	192.0
Length Wtd. (m)	109.41	Wetted Per. (m)	10.75	26.03	10.88
Min Ch El (m)	814.86	Shear (N/m2)	38.97	92.19	44.52
Alpha	1.12	Stream Power (N/m s)	75.16	315.68	93.81
Frctn Loss (m)	0.74	Cum Volume (1000 m3)	3.52	41.00	3.96
C & E Loss (m)	0.01	Cum SA (1000 m2)	6.29	25.31	6.23

Plan: Plan 04 TributarioArroyo 1 RS: 1061.057 Profile: T=2

E.G. Elev (m)	813.28	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.12	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.12	Flow Area (m2)	0.55	8.15	0.40
E.G. Slope (m/m)	0.011031	Area (m2)	0.55	8.15	0.40
Q Total (m3/s)	15.61	Flow (m3/s)	0.51	14.80	0.30
Top Width (m)	29.82	Top Width (m)	4.12	21.76	3.94
Vel Total (m/s)	1.72	Avg. Vel. (m/s)	0.92	1.82	0.76
Max Chl Dpth (m)	0.60	Hydr. Depth (m)	0.13	0.37	0.10
Conv. Total (m3/s)	148.6	Conv. (m3/s)	4.8	140.9	2.9
Length Wtd. (m)	121.63	Wetted Per. (m)	4.13	21.79	3.94
Min Ch El (m)	812.52	Shear (N/m2)	14.46	40.45	10.92
Alpha	1.08	Stream Power (N/m s)	13.23	73.49	8.29
Frctn Loss (m)	1.45	Cum Volume (1000 m3)	0.03	7.36	0.03
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.24	17.25	0.27

Plan: Plan 04 TributarioArroyo 1 RS: 1061.057 Profile: T=5

E.G. Elev (m)	813.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.29	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.29	Flow Area (m2)	1.38	11.92	1.32
E.G. Slope (m/m)	0.010086	Area (m2)	1.38	11.92	1.32
Q Total (m3/s)	29.92	Flow (m3/s)	1.76	26.70	1.46
Top Width (m)	34.54	Top Width (m)	5.87	21.76	6.91
Vel Total (m/s)	2.05	Avg. Vel. (m/s)	1.27	2.24	1.11
Max Chl Dpth (m)	0.77	Hydr. Depth (m)	0.24	0.55	0.19
Conv. Total (m3/s)	297.9	Conv. (m3/s)	17.5	265.9	14.5
Length Wtd. (m)	121.78	Wetted Per. (m)	5.89	21.79	6.92
Min Ch El (m)	812.52	Shear (N/m2)	23.21	54.12	18.81
Alpha	1.11	Stream Power (N/m s)	29.56	121.22	20.82
Frctn Loss (m)	1.32	Cum Volume (1000 m3)	0.08	11.98	0.10
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.34	20.02	0.64

Plan: Plan 04 TributarioArroyo 1 RS: 1061.057 Profile: T=10

E.G. Elev (m)	813.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.44	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.44	Flow Area (m2)	2.49	15.15	2.40
E.G. Slope (m/m)	0.008496	Area (m2)	2.49	15.15	2.40
Q Total (m3/s)	43.39	Flow (m3/s)	3.49	36.52	3.38
Top Width (m)	37.50	Top Width (m)	8.05	21.76	7.69
Vel Total (m/s)	2.17	Avg. Vel. (m/s)	1.40	2.41	1.41
Max Chl Dpth (m)	0.92	Hydr. Depth (m)	0.31	0.70	0.31
Conv. Total (m3/s)	470.8	Conv. (m3/s)	37.9	396.2	36.7
Length Wtd. (m)	121.95	Wetted Per. (m)	8.08	21.79	7.72
Min Ch El (m)	812.52	Shear (N/m2)	25.67	57.92	25.89

Plan: Plan 04 TributarioArroyo 1 RS: 1061.057 Profile: T=10 (Continued)

Alpha	1.11	Stream Power (N/m s)	35.97	139.65	36.51
Frctn Loss (m)	1.16	Cum Volume (1000 m3)	0.18	15.70	0.22
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.90	21.09	0.89

Plan: Plan 04 TributarioArroyo 1 RS: 1061.057 Profile: T=25

E.G. Elev (m)	813.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.32	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.60	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.60	Flow Area (m2)	3.84	18.60	3.69
E.G. Slope (m/m)	0.008017	Area (m2)	3.84	18.60	3.69
Q Total (m3/s)	62.72	Flow (m3/s)	6.48	49.97	6.27
Top Width (m)	39.30	Top Width (m)	9.01	21.76	8.53
Vel Total (m/s)	2.40	Avg. Vel. (m/s)	1.69	2.69	1.70
Max Chl Dpth (m)	1.08	Hydr. Depth (m)	0.43	0.85	0.43
Conv. Total (m3/s)	700.5	Conv. (m3/s)	72.4	558.0	70.0
Length Wtd. (m)	122.05	Wetted Per. (m)	9.06	21.79	8.57
Min Ch El (m)	812.52	Shear (N/m2)	33.37	67.13	33.83
Alpha	1.10	Stream Power (N/m s)	56.26	180.32	57.55
Frctn Loss (m)	1.08	Cum Volume (1000 m3)	0.42	20.52	0.47
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.63	22.09	1.84

Plan: Plan 04 TributarioArroyo 1 RS: 1061.057 Profile: T=50

E.G. Elev (m)	814.09	Element	Left OB	Channel	Right OB
Vel Head (m)	0.45	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.64	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.64	Flow Area (m2)	4.27	19.62	4.09
E.G. Slope (m/m)	0.010342	Area (m2)	4.27	19.62	4.09
Q Total (m3/s)	78.96	Flow (m3/s)	8.60	62.04	8.32
Top Width (m)	39.83	Top Width (m)	9.30	21.76	8.78
Vel Total (m/s)	2.82	Avg. Vel. (m/s)	2.01	3.16	2.03
Max Chl Dpth (m)	1.12	Hydr. Depth (m)	0.46	0.90	0.47
Conv. Total (m3/s)	776.4	Conv. (m3/s)	84.6	610.1	81.8
Length Wtd. (m)	122.09	Wetted Per. (m)	9.34	21.79	8.82
Min Ch El (m)	812.52	Shear (N/m2)	46.39	91.35	47.07
Alpha	1.10	Stream Power (N/m s)	93.35	288.81	95.65
Frctn Loss (m)	1.18	Cum Volume (1000 m3)	0.66	23.98	0.76
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.30	22.36	2.44

Plan: Plan 04 TributarioArroyo 1 RS: 1061.057 Profile: T=100

E.G. Elev (m)	814.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	813.86	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	813.86	Flow Area (m2)	6.91	24.33	6.46
E.G. Slope (m/m)	0.007186	Area (m2)	6.91	24.33	6.46
Q Total (m3/s)	98.95	Flow (m3/s)	12.63	73.99	12.33
Top Width (m)	46.60	Top Width (m)	13.25	21.76	11.59
Vel Total (m/s)	2.62	Avg. Vel. (m/s)	1.83	3.04	1.91
Max Chl Dpth (m)	1.34	Hydr. Depth (m)	0.52	1.12	0.56
Conv. Total (m3/s)	1167.3	Conv. (m3/s)	149.0	872.9	145.4
Length Wtd. (m)	122.19	Wetted Per. (m)	13.31	21.79	11.66
Min Ch El (m)	812.52	Shear (N/m2)	36.62	78.69	39.06
Alpha	1.13	Stream Power (N/m s)	66.87	239.33	74.48
Frctn Loss (m)	0.95	Cum Volume (1000 m3)	1.16	28.01	1.30
C & E Loss (m)	0.01	Cum SA (1000 m2)	3.16	22.51	3.23

Plan: Plan 04 TributarioArroyo 1 RS: 1061.057 Profile: T=500

E.G. Elev (m)	814.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.51	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	814.14	Reach Len. (m)	114.35	121.58	138.44
Crit W.S. (m)	814.14	Flow Area (m2)	10.88	30.50	9.90
E.G. Slope (m/m)	0.006953	Area (m2)	10.88	30.50	9.90
Q Total (m3/s)	154.07	Flow (m3/s)	24.70	106.10	23.28
Top Width (m)	49.00	Top Width (m)	14.64	21.76	12.60
Vel Total (m/s)	3.00	Avg. Vel. (m/s)	2.27	3.48	2.35
Max Chl Dpth (m)	1.62	Hydr. Depth (m)	0.74	1.40	0.79
Conv. Total (m3/s)	1847.7	Conv. (m3/s)	296.2	1272.4	279.1
Length Wtd. (m)	122.33	Wetted Per. (m)	14.73	21.79	12.72
Min Ch El (m)	812.52	Shear (N/m2)	50.35	95.46	53.07
Alpha	1.11	Stream Power (N/m s)	114.34	332.04	124.82
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	2.68	37.33	2.89
C & E Loss (m)	0.01	Cum SA (1000 m2)	5.06	22.71	4.78

Plan: Plan 04 TributarioArroyo 1 RS: 939.4781 Profile: T=2

E.G. Elev (m)	810.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	810.06	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.06	Flow Area (m2)		8.34	
E.G. Slope (m/m)	0.012911	Area (m2)		8.34	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	23.92	Top Width (m)		23.92	
Vel Total (m/s)	1.87	Avg. Vel. (m/s)		1.87	
Max Chl Dpth (m)	0.58	Hydr. Depth (m)		0.35	
Conv. Total (m3/s)	137.4	Conv. (m3/s)		137.4	
Length Wtd. (m)	142.89	Wetted Per. (m)		23.97	
Min Ch El (m)	809.48	Shear (N/m2)		44.02	
Alpha	1.00	Stream Power (N/m s)		82.43	
Frctn Loss (m)	1.81	Cum Volume (1000 m3)		6.35	
C & E Loss (m)	0.00	Cum SA (1000 m2)		14.47	

Plan: Plan 04 TributarioArroyo 1 RS: 939.4781 Profile: T=5

E.G. Elev (m)	810.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	810.26	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.26	Flow Area (m2)		13.63	
E.G. Slope (m/m)	0.011599	Area (m2)		13.63	
Q Total (m3/s)	29.92	Flow (m3/s)		29.92	
Top Width (m)	28.43	Top Width (m)		28.43	
Vel Total (m/s)	2.19	Avg. Vel. (m/s)		2.19	
Max Chl Dpth (m)	0.78	Hydr. Depth (m)		0.48	
Conv. Total (m3/s)	277.8	Conv. (m3/s)		277.8	
Length Wtd. (m)	142.89	Wetted Per. (m)		28.53	
Min Ch El (m)	809.48	Shear (N/m2)		54.36	
Alpha	1.00	Stream Power (N/m s)		119.29	
Frctn Loss (m)	1.62	Cum Volume (1000 m3)	0.00	10.43	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.00	16.97	0.16

Plan: Plan 04 TributarioArroyo 1 RS: 939.4781 Profile: T=10

E.G. Elev (m)	810.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	0.000
W.S. Elev (m)	810.40	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.40	Flow Area (m2)		17.75	0.00
E.G. Slope (m/m)	0.010710	Area (m2)		17.75	0.00
Q Total (m3/s)	43.39	Flow (m3/s)		43.39	0.00

Plan: Plan 04 TributarioArroyo 1 RS: 939.4781 Profile: T=10 (Continued)

Top Width (m)	29.66	Top Width (m)		29.63	0.03
Vel Total (m/s)	2.44	Avg. Vel. (m/s)		2.44	0.10
Max Chl Dpth (m)	0.92	Hydr. Depth (m)		0.60	0.00
Conv. Total (m3/s)	419.3	Conv. (m3/s)		419.3	0.0
Length Wtd. (m)	142.92	Wetted Per. (m)		29.75	0.03
Min Ch El (m)	809.48	Shear (N/m2)		62.65	
Alpha	1.00	Stream Power (N/m s)		153.16	
Frctn Loss (m)	1.46	Cum Volume (1000 m3)	0.04	13.70	0.05
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.44	17.97	0.36

Plan: Plan 04 TributarioArroyo 1 RS: 939.4781 Profile: T=25

E.G. Elev (m)	810.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	810.57	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.57	Flow Area (m2)		23.02	0.05
E.G. Slope (m/m)	0.009815	Area (m2)		23.02	0.05
Q Total (m3/s)	62.72	Flow (m3/s)		62.69	0.03
Top Width (m)	31.15	Top Width (m)		30.60	0.55
Vel Total (m/s)	2.72	Avg. Vel. (m/s)		2.72	0.65
Max Chl Dpth (m)	1.10	Hydr. Depth (m)		0.75	0.09
Conv. Total (m3/s)	633.1	Conv. (m3/s)		632.7	0.3
Length Wtd. (m)	143.02	Wetted Per. (m)		30.74	0.58
Min Ch El (m)	809.48	Shear (N/m2)		72.07	8.44
Alpha	1.00	Stream Power (N/m s)		196.26	5.50
Frctn Loss (m)	1.30	Cum Volume (1000 m3)	0.20	17.99	0.21
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.12	18.91	1.21

Plan: Plan 04 TributarioArroyo 1 RS: 939.4781 Profile: T=50

E.G. Elev (m)	811.14	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	810.71	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.71	Flow Area (m2)	0.05	27.08	0.15
E.G. Slope (m/m)	0.009078	Area (m2)	0.05	27.08	0.15
Q Total (m3/s)	78.96	Flow (m3/s)	0.02	78.80	0.14
Top Width (m)	32.62	Top Width (m)	0.93	30.74	0.95
Vel Total (m/s)	2.89	Avg. Vel. (m/s)	0.45	2.91	0.90
Max Chl Dpth (m)	1.23	Hydr. Depth (m)	0.05	0.88	0.16
Conv. Total (m3/s)	828.7	Conv. (m3/s)	0.2	827.1	1.4
Length Wtd. (m)	143.12	Wetted Per. (m)	0.94	30.88	1.00
Min Ch El (m)	809.48	Shear (N/m2)	4.74	78.06	13.39
Alpha	1.01	Stream Power (N/m s)	2.13	227.13	12.03
Frctn Loss (m)	1.21	Cum Volume (1000 m3)	0.41	21.14	0.46
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.71	19.17	1.76

Plan: Plan 04 TributarioArroyo 1 RS: 939.4781 Profile: T=100

E.G. Elev (m)	811.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.49	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	810.85	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	810.85	Flow Area (m2)	0.27	31.53	0.32
E.G. Slope (m/m)	0.008526	Area (m2)	0.27	31.53	0.32
Q Total (m3/s)	98.95	Flow (m3/s)	0.22	98.39	0.34
Top Width (m)	34.40	Top Width (m)	2.10	30.74	1.56
Vel Total (m/s)	3.08	Avg. Vel. (m/s)	0.79	3.12	1.05
Max Chl Dpth (m)	1.37	Hydr. Depth (m)	0.13	1.03	0.21
Conv. Total (m3/s)	1071.6	Conv. (m3/s)	2.3	1065.6	3.7
Length Wtd. (m)	143.23	Wetted Per. (m)	2.12	30.88	1.63
Min Ch El (m)	809.48	Shear (N/m2)	10.84	85.36	16.60

Plan: Plan 04 TributarioArroyo 1 RS: 939.4781 Profile: T=100 (Continued)

Alpha	1.02	Stream Power (N/m s)	8.55	266.38	17.38
Frctn Loss (m)	1.13	Cum Volume (1000 m3)	0.75	24.62	0.83
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.28	19.32	2.32

Plan: Plan 04 TributarioArroyo 1 RS: 939.4781 Profile: T=500

E.G. Elev (m)	811.83	Element	Left OB	Channel	Right OB
Vel Head (m)	0.62	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	811.21	Reach Len. (m)	157.67	142.89	112.22
Crit W.S. (m)	811.21	Flow Area (m2)	1.34	42.60	1.31
E.G. Slope (m/m)	0.007295	Area (m2)	1.34	42.60	1.31
Q Total (m3/s)	154.07	Flow (m3/s)	1.88	150.30	1.88
Top Width (m)	38.13	Top Width (m)	3.82	30.74	3.57
Vel Total (m/s)	3.40	Avg. Vel. (m/s)	1.40	3.53	1.43
Max Chl Dpth (m)	1.73	Hydr. Depth (m)	0.35	1.39	0.37
Conv. Total (m3/s)	1803.9	Conv. (m3/s)	22.1	1759.8	22.0
Length Wtd. (m)	143.35	Wetted Per. (m)	3.87	30.88	3.68
Min Ch El (m)	809.48	Shear (N/m2)	24.79	98.68	25.52
Alpha	1.05	Stream Power (N/m s)	34.82	348.13	36.56
Frctn Loss (m)	1.00	Cum Volume (1000 m3)	1.98	32.89	2.11
C & E Loss (m)	0.00	Cum SA (1000 m2)	4.00	19.52	3.66

Plan: Plan 04 TributarioArroyo 1 RS: 796.5930 Profile: T=2

E.G. Elev (m)	806.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	806.46	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.46	Flow Area (m2)		8.02	
E.G. Slope (m/m)	0.012422	Area (m2)		8.02	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	21.10	Top Width (m)		21.10	
Vel Total (m/s)	1.95	Avg. Vel. (m/s)		1.95	
Max Chl Dpth (m)	0.54	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	140.1	Conv. (m3/s)		140.1	
Length Wtd. (m)	106.24	Wetted Per. (m)		21.15	
Min Ch El (m)	805.92	Shear (N/m2)		46.19	
Alpha	1.00	Stream Power (N/m s)		89.89	
Frctn Loss (m)	1.35	Cum Volume (1000 m3)		5.19	
C & E Loss (m)	0.01	Cum SA (1000 m2)		11.25	

Plan: Plan 04 TributarioArroyo 1 RS: 796.5930 Profile: T=5

E.G. Elev (m)	806.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	806.68	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.68	Flow Area (m2)		12.94	
E.G. Slope (m/m)	0.011022	Area (m2)		12.94	
Q Total (m3/s)	29.92	Flow (m3/s)		29.92	
Top Width (m)	23.99	Top Width (m)		23.99	
Vel Total (m/s)	2.31	Avg. Vel. (m/s)		2.31	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	285.0	Conv. (m3/s)		285.0	
Length Wtd. (m)	106.24	Wetted Per. (m)		24.08	
Min Ch El (m)	805.92	Shear (N/m2)		58.08	
Alpha	1.00	Stream Power (N/m s)		134.32	
Frctn Loss (m)	1.18	Cum Volume (1000 m3)	0.00	8.53	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.00	13.23	0.16

Plan: Plan 04 TributarioArroyo 1 RS: 796.5930 Profile: T=10

E.G. Elev (m)	807.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.33	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	806.84	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	806.84	Flow Area (m2)	0.24	16.95	
E.G. Slope (m/m)	0.009729	Area (m2)	0.24	16.95	
Q Total (m3/s)	43.39	Flow (m3/s)	0.15	43.24	
Top Width (m)	27.54	Top Width (m)	2.83	24.70	
Vel Total (m/s)	2.52	Avg. Vel. (m/s)	0.63	2.55	
Max Chl Dpth (m)	0.92	Hydr. Depth (m)	0.08	0.69	
Conv. Total (m3/s)	439.9	Conv. (m3/s)	1.5	438.3	
Length Wtd. (m)	106.24	Wetted Per. (m)	2.84	24.81	
Min Ch El (m)	805.92	Shear (N/m2)	8.09	65.19	
Alpha	1.02	Stream Power (N/m s)	5.14	166.28	
Frctn Loss (m)	1.05	Cum Volume (1000 m3)	0.02	11.22	0.05
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.21	14.09	0.36

Plan: Plan 04 TributarioArroyo 1 RS: 796.5930 Profile: T=25

E.G. Elev (m)	807.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	807.05	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.05	Flow Area (m2)	1.17	22.15	
E.G. Slope (m/m)	0.008481	Area (m2)	1.17	22.15	
Q Total (m3/s)	62.72	Flow (m3/s)	1.18	61.54	
Top Width (m)	31.71	Top Width (m)	6.12	25.59	
Vel Total (m/s)	2.69	Avg. Vel. (m/s)	1.01	2.78	
Max Chl Dpth (m)	1.13	Hydr. Depth (m)	0.19	0.87	
Conv. Total (m3/s)	681.1	Conv. (m3/s)	12.8	668.2	
Length Wtd. (m)	106.24	Wetted Per. (m)	6.13	25.72	
Min Ch El (m)	805.92	Shear (N/m2)	15.81	71.62	
Alpha	1.05	Stream Power (N/m s)	16.04	198.98	
Frctn Loss (m)	0.93	Cum Volume (1000 m3)	0.11	14.77	0.21
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.64	14.90	1.18

Plan: Plan 04 TributarioArroyo 1 RS: 796.5930 Profile: T=50

E.G. Elev (m)	807.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	807.19	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.19	Flow Area (m2)	2.14	25.77	0.02
E.G. Slope (m/m)	0.007929	Area (m2)	2.14	25.77	0.02
Q Total (m3/s)	78.96	Flow (m3/s)	2.70	76.25	0.01
Top Width (m)	33.84	Top Width (m)	7.69	25.76	0.40
Vel Total (m/s)	2.83	Avg. Vel. (m/s)	1.26	2.96	0.43
Max Chl Dpth (m)	1.27	Hydr. Depth (m)	0.28	1.00	0.06
Conv. Total (m3/s)	886.8	Conv. (m3/s)	30.3	856.4	0.1
Length Wtd. (m)	106.24	Wetted Per. (m)	7.70	25.89	0.41
Min Ch El (m)	805.92	Shear (N/m2)	21.57	77.39	4.24
Alpha	1.06	Stream Power (N/m s)	27.23	228.97	1.81
Frctn Loss (m)	0.85	Cum Volume (1000 m3)	0.24	17.37	0.45
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.03	15.13	1.69

Plan: Plan 04 TributarioArroyo 1 RS: 796.5930 Profile: T=100

E.G. Elev (m)	807.83	Element	Left OB	Channel	Right OB
Vel Head (m)	0.48	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	807.35	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.35	Flow Area (m2)	3.44	29.81	0.12
E.G. Slope (m/m)	0.007355	Area (m2)	3.44	29.81	0.12
Q Total (m3/s)	98.95	Flow (m3/s)	5.25	93.61	0.09

Plan: Plan 04 TributarioArroyo 1 RS: 796.5930 Profile: T=100 (Continued)

Top Width (m)	35.42	Top Width (m)	8.78	25.76	0.88
Vel Total (m/s)	2.97	Avg. Vel. (m/s)	1.53	3.14	0.75
Max Chl Dpth (m)	1.43	Hydr. Depth (m)	0.39	1.16	0.14
Conv. Total (m3/s)	1153.8	Conv. (m3/s)	61.2	1091.5	1.1
Length Wtd. (m)	106.24	Wetted Per. (m)	8.81	25.89	0.92
Min Ch El (m)	805.92	Shear (N/m2)	28.14	83.04	9.63
Alpha	1.08	Stream Power (N/m s)	42.96	260.76	7.20
Frctn Loss (m)	0.79	Cum Volume (1000 m3)	0.45	20.23	0.80
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.42	15.28	2.18

Plan: Plan 04 TributarioArroyo 1 RS: 796.5930 Profile: T=500

E.G. Elev (m)	808.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.61	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	807.71	Reach Len. (m)	105.35	106.24	107.62
Crit W.S. (m)	807.71	Flow Area (m2)	7.12	39.03	0.64
E.G. Slope (m/m)	0.006704	Area (m2)	7.12	39.03	0.64
Q Total (m3/s)	154.07	Flow (m3/s)	13.24	140.04	0.79
Top Width (m)	40.37	Top Width (m)	12.62	25.76	1.98
Vel Total (m/s)	3.29	Avg. Vel. (m/s)	1.86	3.59	1.24
Max Chl Dpth (m)	1.79	Hydr. Depth (m)	0.56	1.52	0.32
Conv. Total (m3/s)	1881.7	Conv. (m3/s)	161.7	1710.4	9.6
Length Wtd. (m)	106.24	Wetted Per. (m)	12.67	25.89	2.08
Min Ch El (m)	805.92	Shear (N/m2)	36.95	99.10	20.10
Alpha	1.11	Stream Power (N/m s)	68.67	355.56	24.90
Frctn Loss (m)	0.71	Cum Volume (1000 m3)	1.31	27.06	2.00
C & E Loss (m)	0.02	Cum SA (1000 m2)	2.70	15.48	3.35

Plan: Plan 04 TributarioArroyo 1 RS: 690.3525 Profile: T=2

E.G. Elev (m)	803.28	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	803.11	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.11	Flow Area (m2)		8.42	
E.G. Slope (m/m)	0.013092	Area (m2)		8.42	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	24.82	Top Width (m)		24.82	
Vel Total (m/s)	1.85	Avg. Vel. (m/s)		1.85	
Max Chl Dpth (m)	0.60	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	136.4	Conv. (m3/s)		136.4	
Length Wtd. (m)	78.37	Wetted Per. (m)		24.87	
Min Ch El (m)	802.51	Shear (N/m2)		43.48	
Alpha	1.00	Stream Power (N/m s)		80.57	
Frctn Loss (m)	1.00	Cum Volume (1000 m3)		4.31	
C & E Loss (m)	0.00	Cum SA (1000 m2)		8.81	

Plan: Plan 04 TributarioArroyo 1 RS: 690.3525 Profile: T=5

E.G. Elev (m)	803.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	803.30	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.30	Flow Area (m2)		13.48	0.04
E.G. Slope (m/m)	0.011287	Area (m2)		13.48	0.04
Q Total (m3/s)	29.92	Flow (m3/s)		29.90	0.02
Top Width (m)	28.13	Top Width (m)		27.14	0.99
Vel Total (m/s)	2.21	Avg. Vel. (m/s)		2.22	0.45
Max Chl Dpth (m)	0.79	Hydr. Depth (m)		0.50	0.04
Conv. Total (m3/s)	281.6	Conv. (m3/s)		281.4	0.2
Length Wtd. (m)	78.39	Wetted Per. (m)		27.21	1.00
Min Ch El (m)	802.51	Shear (N/m2)		54.85	4.93

Plan: Plan 04 TributarioArroyo 1 RS: 690.3525 Profile: T=5 (Continued)

Alpha	1.00	Stream Power (N/m s)		121.62	2.20
Frctn Loss (m)	0.87	Cum Volume (1000 m3)	0.00	7.12	0.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.00	10.51	0.10

Plan: Plan 04 TributarioArroyo 1 RS: 690.3525 Profile: T=10

E.G. Elev (m)	803.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	803.45	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.45	Flow Area (m2)		17.61	0.31
E.G. Slope (m/m)	0.010050	Area (m2)		17.61	0.31
Q Total (m3/s)	43.39	Flow (m3/s)		43.13	0.26
Top Width (m)	30.43	Top Width (m)		28.00	2.44
Vel Total (m/s)	2.42	Avg. Vel. (m/s)		2.45	0.84
Max Chl Dpth (m)	0.94	Hydr. Depth (m)		0.63	0.13
Conv. Total (m3/s)	432.8	Conv. (m3/s)		430.2	2.6
Length Wtd. (m)	78.48	Wetted Per. (m)		28.08	2.45
Min Ch El (m)	802.51	Shear (N/m2)		61.82	12.53
Alpha	1.02	Stream Power (N/m s)		151.37	10.58
Frctn Loss (m)	0.77	Cum Volume (1000 m3)	0.00	9.38	0.03
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.06	11.29	0.23

Plan: Plan 04 TributarioArroyo 1 RS: 690.3525 Profile: T=25

E.G. Elev (m)	804.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.63	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.63	Flow Area (m2)	0.08	22.64	0.86
E.G. Slope (m/m)	0.009131	Area (m2)	0.08	22.64	0.86
Q Total (m3/s)	62.72	Flow (m3/s)	0.04	61.66	1.02
Top Width (m)	33.51	Top Width (m)	1.22	28.54	3.75
Vel Total (m/s)	2.66	Avg. Vel. (m/s)	0.50	2.72	1.19
Max Chl Dpth (m)	1.12	Hydr. Depth (m)	0.06	0.79	0.23
Conv. Total (m3/s)	656.4	Conv. (m3/s)	0.4	645.3	10.6
Length Wtd. (m)	78.63	Wetted Per. (m)	1.23	28.63	3.77
Min Ch El (m)	802.51	Shear (N/m2)	5.60	70.81	20.37
Alpha	1.03	Stream Power (N/m s)	2.81	192.87	24.17
Frctn Loss (m)	0.70	Cum Volume (1000 m3)	0.04	12.39	0.16
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.25	12.02	0.98

Plan: Plan 04 TributarioArroyo 1 RS: 690.3525 Profile: T=50

E.G. Elev (m)	804.18	Element	Left OB	Channel	Right OB
Vel Head (m)	0.41	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.77	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.77	Flow Area (m2)	0.38	26.71	1.54
E.G. Slope (m/m)	0.008163	Area (m2)	0.38	26.71	1.54
Q Total (m3/s)	78.96	Flow (m3/s)	0.28	76.83	1.85
Top Width (m)	37.79	Top Width (m)	3.15	28.54	6.10
Vel Total (m/s)	2.76	Avg. Vel. (m/s)	0.74	2.88	1.20
Max Chl Dpth (m)	1.26	Hydr. Depth (m)	0.12	0.94	0.25
Conv. Total (m3/s)	873.9	Conv. (m3/s)	3.1	850.3	20.5
Length Wtd. (m)	78.72	Wetted Per. (m)	3.17	28.63	6.13
Min Ch El (m)	802.51	Shear (N/m2)	9.68	74.70	20.14
Alpha	1.06	Stream Power (N/m s)	7.13	214.83	24.17
Frctn Loss (m)	0.65	Cum Volume (1000 m3)	0.10	14.58	0.37
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.46	12.24	1.34

Plan: Plan 04 TributarioArroyo 1 RS: 690.3525 Profile: T=100

E.G. Elev (m)	804.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.45	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	803.92	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	803.92	Flow Area (m2)	0.99	31.05	2.60
E.G. Slope (m/m)	0.007463	Area (m2)	0.99	31.05	2.60
Q Total (m3/s)	98.95	Flow (m3/s)	1.00	94.38	3.57
Top Width (m)	41.13	Top Width (m)	4.70	28.54	7.89
Vel Total (m/s)	2.86	Avg. Vel. (m/s)	1.01	3.04	1.37
Max Chl Dpth (m)	1.41	Hydr. Depth (m)	0.21	1.09	0.33
Conv. Total (m3/s)	1145.4	Conv. (m3/s)	11.6	1092.5	41.3
Length Wtd. (m)	78.87	Wetted Per. (m)	4.72	28.63	7.92
Min Ch El (m)	802.51	Shear (N/m2)	15.29	79.37	24.05
Alpha	1.09	Stream Power (N/m s)	15.49	241.27	32.99
Frctn Loss (m)	0.59	Cum Volume (1000 m3)	0.22	17.00	0.66
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.71	12.40	1.71

Plan: Plan 04 TributarioArroyo 1 RS: 690.3525 Profile: T=500

E.G. Elev (m)	804.81	Element	Left OB	Channel	Right OB
Vel Head (m)	0.55	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	804.26	Reach Len. (m)	67.46	78.37	99.01
Crit W.S. (m)	804.26	Flow Area (m2)	2.99	40.71	5.86
E.G. Slope (m/m)	0.006587	Area (m2)	2.99	40.71	5.86
Q Total (m3/s)	154.07	Flow (m3/s)	4.62	139.29	10.16
Top Width (m)	46.76	Top Width (m)	6.86	28.54	11.36
Vel Total (m/s)	3.11	Avg. Vel. (m/s)	1.55	3.42	1.73
Max Chl Dpth (m)	1.75	Hydr. Depth (m)	0.44	1.43	0.52
Conv. Total (m3/s)	1898.4	Conv. (m3/s)	56.9	1716.3	125.2
Length Wtd. (m)	79.15	Wetted Per. (m)	6.91	28.63	11.41
Min Ch El (m)	802.51	Shear (N/m2)	27.93	91.86	33.16
Alpha	1.12	Stream Power (N/m s)	43.20	314.26	57.51
Frctn Loss (m)	0.52	Cum Volume (1000 m3)	0.78	22.82	1.65
C & E Loss (m)	0.02	Cum SA (1000 m2)	1.68	12.60	2.63

Plan: Plan 04 TributarioArroyo 1 RS: 611.9851 Profile: T=2

E.G. Elev (m)	799.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	799.49	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.49	Flow Area (m2)		8.00	
E.G. Slope (m/m)	0.012394	Area (m2)		8.00	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	20.92	Top Width (m)		20.92	
Vel Total (m/s)	1.95	Avg. Vel. (m/s)		1.95	
Max Chl Dpth (m)	0.65	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	140.2	Conv. (m3/s)		140.2	
Length Wtd. (m)	90.88	Wetted Per. (m)		21.01	
Min Ch El (m)	798.84	Shear (N/m2)		46.30	
Alpha	1.00	Stream Power (N/m s)		90.30	
Frctn Loss (m)	1.11	Cum Volume (1000 m3)		3.67	
C & E Loss (m)	0.01	Cum SA (1000 m2)		7.02	

Plan: Plan 04 TributarioArroyo 1 RS: 611.9851 Profile: T=5

E.G. Elev (m)	799.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	799.70	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.70	Flow Area (m2)	0.00	12.57	0.06
E.G. Slope (m/m)	0.010812	Area (m2)	0.00	12.57	0.06
Q Total (m3/s)	29.92	Flow (m3/s)	0.00	29.88	0.04

Plan: Plan 04 TributarioArroyo 1 RS: 611.9851 Profile: T=5 (Continued)

Top Width (m)	22.67	Top Width (m)	0.06	22.00	0.61
Vel Total (m/s)	2.37	Avg. Vel. (m/s)	0.17	2.38	0.69
Max Chl Dpth (m)	0.86	Hydr. Depth (m)	0.01	0.57	0.09
Conv. Total (m3/s)	287.7	Conv. (m3/s)	0.0	287.4	0.4
Length Wtd. (m)	90.87	Wetted Per. (m)	0.06	22.12	0.64
Min Ch El (m)	798.84	Shear (N/m2)	1.18	60.25	9.35
Alpha	1.01	Stream Power (N/m s)	0.20	143.25	6.42
Frctn Loss (m)	0.98	Cum Volume (1000 m3)	0.00	6.10	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.00	8.58	0.02

Plan: Plan 04 TributarioArroyo 1 RS: 611.9851 Profile: T=10

E.G. Elev (m)	800.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.36	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	799.87	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	799.87	Flow Area (m2)	0.04	16.26	0.21
E.G. Slope (m/m)	0.009558	Area (m2)	0.04	16.26	0.21
Q Total (m3/s)	43.39	Flow (m3/s)	0.03	43.16	0.21
Top Width (m)	23.62	Top Width (m)	0.45	22.00	1.17
Vel Total (m/s)	2.63	Avg. Vel. (m/s)	0.65	2.65	0.99
Max Chl Dpth (m)	1.03	Hydr. Depth (m)	0.10	0.74	0.18
Conv. Total (m3/s)	443.8	Conv. (m3/s)	0.3	441.4	2.1
Length Wtd. (m)	90.85	Wetted Per. (m)	0.49	22.12	1.22
Min Ch El (m)	798.84	Shear (N/m2)	8.28	68.90	15.80
Alpha	1.02	Stream Power (N/m s)	5.35	182.90	15.71
Frctn Loss (m)	0.89	Cum Volume (1000 m3)	0.00	8.06	0.01
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.05	9.33	0.05

Plan: Plan 04 TributarioArroyo 1 RS: 611.9851 Profile: T=25

E.G. Elev (m)	800.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.45	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.08	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.08	Flow Area (m2)	0.19	20.78	0.52
E.G. Slope (m/m)	0.008669	Area (m2)	0.19	20.78	0.52
Q Total (m3/s)	62.72	Flow (m3/s)	0.19	61.87	0.67
Top Width (m)	24.79	Top Width (m)	0.94	22.00	1.86
Vel Total (m/s)	2.92	Avg. Vel. (m/s)	1.00	2.98	1.29
Max Chl Dpth (m)	1.24	Hydr. Depth (m)	0.20	0.94	0.28
Conv. Total (m3/s)	673.6	Conv. (m3/s)	2.0	664.5	7.2
Length Wtd. (m)	90.78	Wetted Per. (m)	1.02	22.12	1.94
Min Ch El (m)	798.84	Shear (N/m2)	15.55	79.88	22.70
Alpha	1.03	Stream Power (N/m s)	15.55	237.81	29.21
Frctn Loss (m)	0.77	Cum Volume (1000 m3)	0.03	10.69	0.10
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.18	10.04	0.70

Plan: Plan 04 TributarioArroyo 1 RS: 611.9851 Profile: T=50

E.G. Elev (m)	800.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.52	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.23	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.23	Flow Area (m2)	0.35	24.10	0.84
E.G. Slope (m/m)	0.008252	Area (m2)	0.35	24.10	0.84
Q Total (m3/s)	78.96	Flow (m3/s)	0.43	77.29	1.24
Top Width (m)	25.62	Top Width (m)	1.29	22.00	2.33
Vel Total (m/s)	3.12	Avg. Vel. (m/s)	1.21	3.21	1.48
Max Chl Dpth (m)	1.39	Hydr. Depth (m)	0.27	1.10	0.36
Conv. Total (m3/s)	869.2	Conv. (m3/s)	4.7	850.9	13.6
Length Wtd. (m)	90.68	Wetted Per. (m)	1.40	22.12	2.44
Min Ch El (m)	798.84	Shear (N/m2)	20.43	88.19	27.71

Plan: Plan 04 TributarioArroyo 1 RS: 611.9851 Profile: T=50 (Continued)

Alpha	1.04	Stream Power (N/m s)	24.70	282.82	41.07
Frctn Loss (m)	0.72	Cum Volume (1000 m3)	0.08	12.59	0.25
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.31	10.26	0.92

Plan: Plan 04 TributarioArroyo 1 RS: 611.9851 Profile: T=100

E.G. Elev (m)	800.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.58	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.41	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.41	Flow Area (m2)	0.63	28.18	1.32
E.G. Slope (m/m)	0.007543	Area (m2)	0.63	28.18	1.32
Q Total (m3/s)	98.95	Flow (m3/s)	0.89	95.87	2.19
Top Width (m)	26.63	Top Width (m)	1.73	22.00	2.90
Vel Total (m/s)	3.28	Avg. Vel. (m/s)	1.40	3.40	1.66
Max Chl Dpth (m)	1.57	Hydr. Depth (m)	0.37	1.28	0.45
Conv. Total (m3/s)	1139.3	Conv. (m3/s)	10.2	1103.9	25.2
Length Wtd. (m)	90.57	Wetted Per. (m)	1.88	22.12	3.04
Min Ch El (m)	798.84	Shear (N/m2)	24.97	94.24	32.14
Alpha	1.05	Stream Power (N/m s)	35.06	320.62	53.37
Frctn Loss (m)	0.67	Cum Volume (1000 m3)	0.17	14.68	0.46
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.50	10.42	1.17

Plan: Plan 04 TributarioArroyo 1 RS: 611.9851 Profile: T=500

E.G. Elev (m)	801.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.72	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	800.84	Reach Len. (m)	98.26	90.88	78.86
Crit W.S. (m)	800.84	Flow Area (m2)	2.26	37.66	2.86
E.G. Slope (m/m)	0.006544	Area (m2)	2.26	37.66	2.86
Q Total (m3/s)	154.07	Flow (m3/s)	3.50	144.80	5.77
Top Width (m)	31.14	Top Width (m)	4.94	22.00	4.20
Vel Total (m/s)	3.60	Avg. Vel. (m/s)	1.55	3.85	2.02
Max Chl Dpth (m)	2.00	Hydr. Depth (m)	0.46	1.71	0.68
Conv. Total (m3/s)	1904.5	Conv. (m3/s)	43.3	1789.9	71.3
Length Wtd. (m)	90.35	Wetted Per. (m)	5.16	22.12	4.41
Min Ch El (m)	798.84	Shear (N/m2)	28.04	109.27	41.58
Alpha	1.09	Stream Power (N/m s)	43.54	420.17	83.94
Frctn Loss (m)	0.59	Cum Volume (1000 m3)	0.60	19.75	1.22
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.28	10.62	1.86

Plan: Plan 04 TributarioArroyo 1 RS: 521.1026 Profile: T=2

E.G. Elev (m)	794.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.		0.030	
W.S. Elev (m)	794.12	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.12	Flow Area (m2)		6.36	
E.G. Slope (m/m)	0.011967	Area (m2)		6.36	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	10.63	Top Width (m)		10.63	
Vel Total (m/s)	2.45	Avg. Vel. (m/s)		2.45	
Max Chl Dpth (m)	1.44	Hydr. Depth (m)		0.60	
Conv. Total (m3/s)	142.7	Conv. (m3/s)		142.7	
Length Wtd. (m)	110.80	Wetted Per. (m)		11.52	
Min Ch El (m)	792.68	Shear (N/m2)		64.79	
Alpha	1.00	Stream Power (N/m s)		159.01	
Frctn Loss (m)	1.26	Cum Volume (1000 m3)		3.02	
C & E Loss (m)	0.00	Cum SA (1000 m2)		5.59	

Plan: Plan 04 TributarioArroyo 1 RS: 521.1026 Profile: T=5

E.G. Elev (m)	794.86	Element	Left OB	Channel	Right OB
Vel Head (m)	0.38	Wt. n-Val.		0.030	
W.S. Elev (m)	794.48	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.48	Flow Area (m2)		10.92	
E.G. Slope (m/m)	0.010751	Area (m2)		10.92	
Q Total (m3/s)	29.92	Flow (m3/s)		29.92	
Top Width (m)	14.35	Top Width (m)		14.35	
Vel Total (m/s)	2.74	Avg. Vel. (m/s)		2.74	
Max Chl Dpth (m)	1.80	Hydr. Depth (m)		0.76	
Conv. Total (m3/s)	288.6	Conv. (m3/s)		288.6	
Length Wtd. (m)	110.80	Wetted Per. (m)		15.47	
Min Ch El (m)	792.68	Shear (N/m2)		74.42	
Alpha	1.00	Stream Power (N/m s)		203.89	
Frctn Loss (m)	1.13	Cum Volume (1000 m3)		5.04	
C & E Loss (m)	0.00	Cum SA (1000 m2)		6.93	

Plan: Plan 04 TributarioArroyo 1 RS: 521.1026 Profile: T=10

E.G. Elev (m)	795.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	794.71	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	794.71	Flow Area (m2)	0.01	14.37	
E.G. Slope (m/m)	0.010121	Area (m2)	0.01	14.37	
Q Total (m3/s)	43.39	Flow (m3/s)	0.01	43.38	
Top Width (m)	15.87	Top Width (m)	0.21	15.66	
Vel Total (m/s)	3.02	Avg. Vel. (m/s)	0.46	3.02	
Max Chl Dpth (m)	2.03	Hydr. Depth (m)	0.06	0.92	
Conv. Total (m3/s)	431.3	Conv. (m3/s)	0.1	431.2	
Length Wtd. (m)	110.80	Wetted Per. (m)	0.24	16.83	
Min Ch El (m)	792.68	Shear (N/m2)	5.02	84.75	
Alpha	1.00	Stream Power (N/m s)	2.30	255.81	
Frctn Loss (m)	1.08	Cum Volume (1000 m3)	0.00	6.66	0.00
C & E Loss (m)	0.00	Cum SA (1000 m2)	0.02	7.62	0.00

Plan: Plan 04 TributarioArroyo 1 RS: 521.1026 Profile: T=25

E.G. Elev (m)	795.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	795.00	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	795.00	Flow Area (m2)	0.15	19.08	0.61
E.G. Slope (m/m)	0.008268	Area (m2)	0.15	19.08	0.61
Q Total (m3/s)	62.72	Flow (m3/s)	0.15	62.00	0.57
Top Width (m)	20.31	Top Width (m)	0.74	16.00	3.57
Vel Total (m/s)	3.16	Avg. Vel. (m/s)	0.96	3.25	0.93
Max Chl Dpth (m)	2.32	Hydr. Depth (m)	0.21	1.19	0.17
Conv. Total (m3/s)	689.8	Conv. (m3/s)	1.6	681.9	6.3
Length Wtd. (m)	110.75	Wetted Per. (m)	0.85	17.18	3.59
Min Ch El (m)	792.68	Shear (N/m2)	14.54	90.03	13.88
Alpha	1.05	Stream Power (N/m s)	14.02	292.61	12.97
Frctn Loss (m)	0.94	Cum Volume (1000 m3)	0.02	8.87	0.05
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.09	8.31	0.48

Plan: Plan 04 TributarioArroyo 1 RS: 521.1026 Profile: T=50

E.G. Elev (m)	795.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.59	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	795.20	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	795.20	Flow Area (m2)	0.33	22.25	1.42
E.G. Slope (m/m)	0.007554	Area (m2)	0.33	22.25	1.42
Q Total (m3/s)	78.96	Flow (m3/s)	0.40	76.62	1.94

Plan: Plan 04 TributarioArroyo 1 RS: 521.1026 Profile: T=50 (Continued)

Top Width (m)	21.47	Top Width (m)	1.10	16.00	4.38
Vel Total (m/s)	3.29	Avg. Vel. (m/s)	1.20	3.44	1.36
Max Chl Dpth (m)	2.52	Hydr. Depth (m)	0.30	1.39	0.33
Conv. Total (m3/s)	908.5	Conv. (m3/s)	4.6	881.6	22.3
Length Wtd. (m)	110.67	Wetted Per. (m)	1.26	17.18	4.42
Min Ch El (m)	792.68	Shear (N/m2)	19.73	95.97	23.84
Alpha	1.07	Stream Power (N/m s)	23.65	330.43	32.44
Frctn Loss (m)	0.86	Cum Volume (1000 m3)	0.05	10.48	0.16
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.20	8.54	0.65

Plan: Plan 04 TributarioArroyo 1 RS: 521.1026 Profile: T=100

E.G. Elev (m)	796.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.67	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	795.40	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	795.40	Flow Area (m2)	0.59	25.47	2.36
E.G. Slope (m/m)	0.007257	Area (m2)	0.59	25.47	2.36
Q Total (m3/s)	98.95	Flow (m3/s)	0.84	94.05	4.05
Top Width (m)	22.38	Top Width (m)	1.46	16.00	4.92
Vel Total (m/s)	3.48	Avg. Vel. (m/s)	1.42	3.69	1.72
Max Chl Dpth (m)	2.72	Hydr. Depth (m)	0.41	1.59	0.48
Conv. Total (m3/s)	1161.5	Conv. (m3/s)	9.9	1104.1	47.6
Length Wtd. (m)	110.56	Wetted Per. (m)	1.67	17.18	5.00
Min Ch El (m)	792.68	Shear (N/m2)	25.21	105.53	33.55
Alpha	1.08	Stream Power (N/m s)	35.83	389.66	57.71
Frctn Loss (m)	0.81	Cum Volume (1000 m3)	0.11	12.24	0.32
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.34	8.69	0.86

Plan: Plan 04 TributarioArroyo 1 RS: 521.1026 Profile: T=500

E.G. Elev (m)	796.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.84	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	795.89	Reach Len. (m)	118.08	110.80	97.71
Crit W.S. (m)	795.89	Flow Area (m2)	1.55	33.28	5.08
E.G. Slope (m/m)	0.006563	Area (m2)	1.55	33.28	5.08
Q Total (m3/s)	154.07	Flow (m3/s)	2.70	139.63	11.74
Top Width (m)	24.93	Top Width (m)	2.68	16.00	6.25
Vel Total (m/s)	3.86	Avg. Vel. (m/s)	1.74	4.20	2.31
Max Chl Dpth (m)	3.21	Hydr. Depth (m)	0.58	2.08	0.81
Conv. Total (m3/s)	1901.8	Conv. (m3/s)	33.3	1723.6	144.9
Length Wtd. (m)	110.30	Wetted Per. (m)	3.00	17.18	6.42
Min Ch El (m)	792.68	Shear (N/m2)	33.30	124.67	50.95
Alpha	1.10	Stream Power (N/m s)	57.95	523.12	117.75
Frctn Loss (m)	0.72	Cum Volume (1000 m3)	0.41	16.53	0.91
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.91	8.89	1.45

Plan: Plan 04 TributarioArroyo 1 RS: 410.3055 Profile: T=2

E.G. Elev (m)	780.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.31	Wt. n-Val.		0.030	
W.S. Elev (m)	780.67	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	780.67	Flow Area (m2)		6.37	
E.G. Slope (m/m)	0.010739	Area (m2)		6.37	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	10.41	Top Width (m)		10.41	
Vel Total (m/s)	2.45	Avg. Vel. (m/s)		2.45	
Max Chl Dpth (m)	1.08	Hydr. Depth (m)		0.61	
Conv. Total (m3/s)	150.6	Conv. (m3/s)		150.6	
Length Wtd. (m)	70.28	Wetted Per. (m)		10.65	
Min Ch El (m)	779.59	Shear (N/m2)		62.97	

Plan: Plan 04 TributarioArroyo 1 RS: 410.3055 Profile: T=2 (Continued)

Alpha	1.00	Stream Power (N/m s)		154.37	
Frctn Loss (m)	0.76	Cum Volume (1000 m3)		2.31	
C & E Loss (m)	0.01	Cum SA (1000 m2)		4.42	

Plan: Plan 04 TributarioArroyo 1 RS: 410.3055 Profile: T=5

E.G. Elev (m)	781.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.42	Wt. n-Val.		0.030	
W.S. Elev (m)	781.03	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.03	Flow Area (m2)		10.42	
E.G. Slope (m/m)	0.009766	Area (m2)		10.42	
Q Total (m3/s)	29.92	Flow (m3/s)		29.92	
Top Width (m)	12.45	Top Width (m)		12.45	
Vel Total (m/s)	2.87	Avg. Vel. (m/s)		2.87	
Max Chl Dpth (m)	1.44	Hydr. Depth (m)		0.84	
Conv. Total (m3/s)	302.8	Conv. (m3/s)		302.8	
Length Wtd. (m)	70.28	Wetted Per. (m)		12.82	
Min Ch El (m)	779.59	Shear (N/m2)		77.89	
Alpha	1.00	Stream Power (N/m s)		223.58	
Frctn Loss (m)	0.69	Cum Volume (1000 m3)		3.85	
C & E Loss (m)	0.01	Cum SA (1000 m2)		5.45	

Plan: Plan 04 TributarioArroyo 1 RS: 410.3055 Profile: T=10

E.G. Elev (m)	781.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.51	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	781.28	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.28	Flow Area (m2)	0.00	13.74	
E.G. Slope (m/m)	0.009453	Area (m2)	0.00	13.74	
Q Total (m3/s)	43.39	Flow (m3/s)	0.00	43.39	
Top Width (m)	13.88	Top Width (m)	0.03	13.85	
Vel Total (m/s)	3.16	Avg. Vel. (m/s)	0.14	3.16	
Max Chl Dpth (m)	1.69	Hydr. Depth (m)	0.01	0.99	
Conv. Total (m3/s)	446.3	Conv. (m3/s)	0.0	446.3	
Length Wtd. (m)	70.28	Wetted Per. (m)	0.04	14.29	
Min Ch El (m)	779.59	Shear (N/m2)	0.79	89.13	
Alpha	1.00	Stream Power (N/m s)	0.11	281.40	
Frctn Loss (m)	0.66	Cum Volume (1000 m3)	0.00	5.11	0.00
C & E Loss (m)	0.01	Cum SA (1000 m2)	0.00	5.98	0.00

Plan: Plan 04 TributarioArroyo 1 RS: 410.3055 Profile: T=25

E.G. Elev (m)	782.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.59	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	781.60	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.60	Flow Area (m2)	0.08	18.47	
E.G. Slope (m/m)	0.008747	Area (m2)	0.08	18.47	
Q Total (m3/s)	62.72	Flow (m3/s)	0.07	62.65	
Top Width (m)	16.31	Top Width (m)	0.50	15.81	
Vel Total (m/s)	3.38	Avg. Vel. (m/s)	0.84	3.39	
Max Chl Dpth (m)	2.01	Hydr. Depth (m)	0.17	1.17	
Conv. Total (m3/s)	670.6	Conv. (m3/s)	0.8	669.9	
Length Wtd. (m)	70.28	Wetted Per. (m)	0.60	16.28	
Min Ch El (m)	779.59	Shear (N/m2)	12.07	97.32	
Alpha	1.01	Stream Power (N/m s)	10.18	330.06	
Frctn Loss (m)	0.62	Cum Volume (1000 m3)	0.00	6.79	0.02
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.02	6.55	0.31

Plan: Plan 04 TributarioArroyo 1 RS: 410.3055 Profile: T=50

E.G. Elev (m)	782.47	Element	Left OB	Channel	Right OB
Vel Head (m)	0.66	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	781.81	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	781.81	Flow Area (m2)	0.22	21.81	0.06
E.G. Slope (m/m)	0.008058	Area (m2)	0.22	21.81	0.06
Q Total (m3/s)	78.96	Flow (m3/s)	0.25	78.68	0.04
Top Width (m)	17.51	Top Width (m)	0.80	16.00	0.71
Vel Total (m/s)	3.57	Avg. Vel. (m/s)	1.11	3.61	0.59
Max Chl Dpth (m)	2.22	Hydr. Depth (m)	0.27	1.36	0.09
Conv. Total (m3/s)	879.6	Conv. (m3/s)	2.7	876.5	0.4
Length Wtd. (m)	70.28	Wetted Per. (m)	0.97	16.47	0.73
Min Ch El (m)	779.59	Shear (N/m2)	17.92	104.60	6.89
Alpha	1.02	Stream Power (N/m s)	19.95	377.35	4.05
Frctn Loss (m)	0.59	Cum Volume (1000 m3)	0.01	8.04	0.09
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.08	6.76	0.41

Plan: Plan 04 TributarioArroyo 1 RS: 410.3055 Profile: T=100

E.G. Elev (m)	782.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.75	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	782.04	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	782.04	Flow Area (m2)	0.44	25.50	0.33
E.G. Slope (m/m)	0.007429	Area (m2)	0.44	25.50	0.33
Q Total (m3/s)	98.95	Flow (m3/s)	0.60	98.03	0.32
Top Width (m)	18.75	Top Width (m)	1.14	16.00	1.61
Vel Total (m/s)	3.77	Avg. Vel. (m/s)	1.35	3.84	0.98
Max Chl Dpth (m)	2.45	Hydr. Depth (m)	0.39	1.59	0.21
Conv. Total (m3/s)	1148.0	Conv. (m3/s)	7.0	1137.3	3.8
Length Wtd. (m)	70.28	Wetted Per. (m)	1.38	16.47	1.66
Min Ch El (m)	779.59	Shear (N/m2)	23.46	112.76	14.49
Alpha	1.03	Stream Power (N/m s)	31.66	433.47	14.18
Frctn Loss (m)	0.55	Cum Volume (1000 m3)	0.04	9.42	0.19
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.19	6.92	0.55

Plan: Plan 04 TributarioArroyo 1 RS: 410.3055 Profile: T=500

E.G. Elev (m)	783.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.94	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	782.59	Reach Len. (m)	69.66	70.28	71.19
Crit W.S. (m)	782.59	Flow Area (m2)	1.28	34.22	1.66
E.G. Slope (m/m)	0.006439	Area (m2)	1.28	34.22	1.66
Q Total (m3/s)	154.07	Flow (m3/s)	2.29	148.97	2.80
Top Width (m)	21.11	Top Width (m)	1.93	16.00	3.17
Vel Total (m/s)	4.15	Avg. Vel. (m/s)	1.79	4.35	1.69
Max Chl Dpth (m)	3.00	Hydr. Depth (m)	0.66	2.14	0.52
Conv. Total (m3/s)	1920.1	Conv. (m3/s)	28.6	1856.6	34.9
Length Wtd. (m)	70.28	Wetted Per. (m)	2.35	16.47	3.32
Min Ch El (m)	779.59	Shear (N/m2)	34.52	131.14	31.63
Alpha	1.07	Stream Power (N/m s)	61.73	570.96	53.35
Frctn Loss (m)	0.46	Cum Volume (1000 m3)	0.25	12.79	0.58
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.63	7.12	0.99

Plan: Plan 04 TributarioArroyo 1 RS: 340.0257 Profile: T=2

E.G. Elev (m)	771.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.		0.030	
W.S. Elev (m)	771.12	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.12	Flow Area (m2)		5.58	
E.G. Slope (m/m)	0.010763	Area (m2)		5.58	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	

Plan: Plan 04 TributarioArroyo 1 RS: 340.0257 Profile: T=2 (Continued)

Top Width (m)	7.15	Top Width (m)		7.15	
Vel Total (m/s)	2.80	Avg. Vel. (m/s)		2.80	
Max Chl Dpth (m)	1.36	Hydr. Depth (m)		0.78	
Conv. Total (m3/s)	150.5	Conv. (m3/s)		150.5	
Length Wtd. (m)	104.00	Wetted Per. (m)		7.69	
Min Ch El (m)	769.76	Shear (N/m2)		76.70	
Alpha	1.00	Stream Power (N/m s)		214.38	
Frctn Loss (m)	1.12	Cum Volume (1000 m3)		1.89	
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.81	

Plan: Plan 04 TributarioArroyo 1 RS: 340.0257 Profile: T=5

E.G. Elev (m)	772.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.54	Wt. n-Val.		0.030	
W.S. Elev (m)	771.57	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.57	Flow Area (m2)		9.23	
E.G. Slope (m/m)	0.009904	Area (m2)		9.23	
Q Total (m3/s)	29.92	Flow (m3/s)		29.92	
Top Width (m)	8.78	Top Width (m)		8.78	
Vel Total (m/s)	3.24	Avg. Vel. (m/s)		3.24	
Max Chl Dpth (m)	1.81	Hydr. Depth (m)		1.05	
Conv. Total (m3/s)	300.6	Conv. (m3/s)		300.6	
Length Wtd. (m)	104.00	Wetted Per. (m)		9.56	
Min Ch El (m)	769.76	Shear (N/m2)		93.80	
Alpha	1.00	Stream Power (N/m s)		304.03	
Frctn Loss (m)	1.05	Cum Volume (1000 m3)		3.16	
C & E Loss (m)	0.04	Cum SA (1000 m2)		4.70	

Plan: Plan 04 TributarioArroyo 1 RS: 340.0257 Profile: T=10

E.G. Elev (m)	772.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.63	Wt. n-Val.		0.030	
W.S. Elev (m)	771.90	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	771.90	Flow Area (m2)		12.30	
E.G. Slope (m/m)	0.009434	Area (m2)		12.30	
Q Total (m3/s)	43.39	Flow (m3/s)		43.39	
Top Width (m)	9.86	Top Width (m)		9.86	
Vel Total (m/s)	3.53	Avg. Vel. (m/s)		3.53	
Max Chl Dpth (m)	2.14	Hydr. Depth (m)		1.25	
Conv. Total (m3/s)	446.7	Conv. (m3/s)		446.7	
Length Wtd. (m)	104.00	Wetted Per. (m)		10.82	
Min Ch El (m)	769.76	Shear (N/m2)		105.16	
Alpha	1.00	Stream Power (N/m s)		370.84	
Frctn Loss (m)	0.99	Cum Volume (1000 m3)		4.19	0.00
C & E Loss (m)	0.05	Cum SA (1000 m2)		5.15	0.00

Plan: Plan 04 TributarioArroyo 1 RS: 340.0257 Profile: T=25

E.G. Elev (m)	773.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.75	Wt. n-Val.		0.030	
W.S. Elev (m)	772.29	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	772.29	Flow Area (m2)		16.38	
E.G. Slope (m/m)	0.009021	Area (m2)		16.38	
Q Total (m3/s)	62.72	Flow (m3/s)		62.72	
Top Width (m)	11.14	Top Width (m)		11.14	
Vel Total (m/s)	3.83	Avg. Vel. (m/s)		3.83	
Max Chl Dpth (m)	2.53	Hydr. Depth (m)		1.47	
Conv. Total (m3/s)	660.4	Conv. (m3/s)		660.4	
Length Wtd. (m)	103.99	Wetted Per. (m)		12.32	
Min Ch El (m)	769.76	Shear (N/m2)		117.66	

Plan: Plan 04 TributarioArroyo 1 RS: 340.0257 Profile: T=25 (Continued)

Alpha	1.00	Stream Power (N/m s)		450.52	
Frctn Loss (m)	0.91	Cum Volume (1000 m3)	0.00	5.57	0.02
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.00	5.61	0.31

Plan: Plan 04 TributarioArroyo 1 RS: 340.0257 Profile: T=50

E.G. Elev (m)	773.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.83	Wt. n-Val.	0.030	0.030	
W.S. Elev (m)	772.56	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	772.56	Flow Area (m2)	0.01	19.52	
E.G. Slope (m/m)	0.008738	Area (m2)	0.01	19.52	
Q Total (m3/s)	78.96	Flow (m3/s)	0.00	78.96	
Top Width (m)	12.04	Top Width (m)	0.16	11.88	
Vel Total (m/s)	4.04	Avg. Vel. (m/s)	0.34	4.05	
Max Chl Dpth (m)	2.80	Hydr. Depth (m)	0.04	1.64	
Conv. Total (m3/s)	844.7	Conv. (m3/s)	0.0	844.7	
Length Wtd. (m)	103.91	Wetted Per. (m)	0.18	13.19	
Min Ch El (m)	769.76	Shear (N/m2)	3.14	126.77	
Alpha	1.00	Stream Power (N/m s)	1.08	512.86	
Frctn Loss (m)	0.85	Cum Volume (1000 m3)	0.00	6.59	0.09
C & E Loss (m)	0.07	Cum SA (1000 m2)	0.05	5.78	0.38

Plan: Plan 04 TributarioArroyo 1 RS: 340.0257 Profile: T=100

E.G. Elev (m)	773.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.95	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	772.85	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	772.85	Flow Area (m2)	0.13	22.92	0.04
E.G. Slope (m/m)	0.008123	Area (m2)	0.13	22.92	0.04
Q Total (m3/s)	98.95	Flow (m3/s)	0.11	98.81	0.02
Top Width (m)	13.08	Top Width (m)	0.70	12.00	0.38
Vel Total (m/s)	4.29	Avg. Vel. (m/s)	0.89	4.31	0.61
Max Chl Dpth (m)	3.09	Hydr. Depth (m)	0.18	1.91	0.10
Conv. Total (m3/s)	1097.9	Conv. (m3/s)	1.3	1096.4	0.3
Length Wtd. (m)	103.81	Wetted Per. (m)	0.79	13.33	0.44
Min Ch El (m)	769.76	Shear (N/m2)	12.93	136.93	7.24
Alpha	1.01	Stream Power (N/m s)	11.56	590.28	4.40
Frctn Loss (m)	0.79	Cum Volume (1000 m3)	0.02	7.72	0.17
C & E Loss (m)	0.09	Cum SA (1000 m2)	0.12	5.94	0.47

Plan: Plan 04 TributarioArroyo 1 RS: 340.0257 Profile: T=500

E.G. Elev (m)	774.71	Element	Left OB	Channel	Right OB
Vel Head (m)	1.16	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	773.56	Reach Len. (m)	112.27	104.00	89.89
Crit W.S. (m)	773.56	Flow Area (m2)	1.11	31.47	0.78
E.G. Slope (m/m)	0.006605	Area (m2)	1.11	31.47	0.78
Q Total (m3/s)	154.07	Flow (m3/s)	1.83	151.08	1.16
Top Width (m)	15.77	Top Width (m)	2.07	12.00	1.70
Vel Total (m/s)	4.62	Avg. Vel. (m/s)	1.65	4.80	1.48
Max Chl Dpth (m)	3.80	Hydr. Depth (m)	0.54	2.62	0.46
Conv. Total (m3/s)	1895.8	Conv. (m3/s)	22.5	1859.1	14.2
Length Wtd. (m)	103.59	Wetted Per. (m)	2.33	13.33	1.93
Min Ch El (m)	769.76	Shear (N/m2)	30.75	152.84	26.18
Alpha	1.06	Stream Power (N/m s)	50.70	733.86	38.77
Frctn Loss (m)	0.66	Cum Volume (1000 m3)	0.16	10.48	0.49
C & E Loss (m)	0.11	Cum SA (1000 m2)	0.49	6.14	0.82

Plan: Plan 04 TributarioArroyo 1 RS: 236.0229 Profile: T=2

E.G. Elev (m)	760.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.33	Wt. n-Val.		0.030	
W.S. Elev (m)	760.37	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.37	Flow Area (m2)		6.18	
E.G. Slope (m/m)	0.010845	Area (m2)		6.18	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	9.67	Top Width (m)		9.67	
Vel Total (m/s)	2.53	Avg. Vel. (m/s)		2.53	
Max Chl Dpth (m)	0.99	Hydr. Depth (m)		0.64	
Conv. Total (m3/s)	149.9	Conv. (m3/s)		149.9	
Length Wtd. (m)	79.99	Wetted Per. (m)		9.95	
Min Ch El (m)	759.38	Shear (N/m2)		66.05	
Alpha	1.00	Stream Power (N/m s)		166.89	
Frctn Loss (m)	0.89	Cum Volume (1000 m3)		1.28	
C & E Loss (m)	0.02	Cum SA (1000 m2)		2.93	

Plan: Plan 04 TributarioArroyo 1 RS: 236.0229 Profile: T=5

E.G. Elev (m)	761.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.39	Wt. n-Val.		0.030	
W.S. Elev (m)	760.77	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	760.77	Flow Area (m2)		10.86	
E.G. Slope (m/m)	0.010195	Area (m2)		10.86	
Q Total (m3/s)	29.92	Flow (m3/s)		29.92	
Top Width (m)	14.17	Top Width (m)		14.17	
Vel Total (m/s)	2.75	Avg. Vel. (m/s)		2.75	
Max Chl Dpth (m)	1.39	Hydr. Depth (m)		0.77	
Conv. Total (m3/s)	296.3	Conv. (m3/s)		296.3	
Length Wtd. (m)	79.99	Wetted Per. (m)		14.67	
Min Ch El (m)	759.38	Shear (N/m2)		74.04	
Alpha	1.00	Stream Power (N/m s)		203.98	
Frctn Loss (m)	0.82	Cum Volume (1000 m3)		2.12	
C & E Loss (m)	0.01	Cum SA (1000 m2)		3.51	

Plan: Plan 04 TributarioArroyo 1 RS: 236.0229 Profile: T=10

E.G. Elev (m)	761.48	Element	Left OB	Channel	Right OB
Vel Head (m)	0.47	Wt. n-Val.		0.030	
W.S. Elev (m)	761.01	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	761.01	Flow Area (m2)		14.30	
E.G. Slope (m/m)	0.009514	Area (m2)		14.30	
Q Total (m3/s)	43.39	Flow (m3/s)		43.39	
Top Width (m)	15.27	Top Width (m)		15.27	
Vel Total (m/s)	3.03	Avg. Vel. (m/s)		3.03	
Max Chl Dpth (m)	1.63	Hydr. Depth (m)		0.94	
Conv. Total (m3/s)	444.9	Conv. (m3/s)		444.9	
Length Wtd. (m)	79.99	Wetted Per. (m)		15.86	
Min Ch El (m)	759.38	Shear (N/m2)		84.11	
Alpha	1.00	Stream Power (N/m s)		255.22	
Frctn Loss (m)	0.78	Cum Volume (1000 m3)		2.81	0.00
C & E Loss (m)	0.02	Cum SA (1000 m2)		3.84	0.00

Plan: Plan 04 TributarioArroyo 1 RS: 236.0229 Profile: T=25

E.G. Elev (m)	761.85	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	761.32	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	761.32	Flow Area (m2)	0.00	19.41	0.22
E.G. Slope (m/m)	0.008438	Area (m2)	0.00	19.41	0.22
Q Total (m3/s)	62.72	Flow (m3/s)	0.00	62.61	0.11

Plan: Plan 04 TributarioArroyo 1 RS: 236.0229 Profile: T=25 (Continued)

Top Width (m)	20.65	Top Width (m)	0.04	17.24	3.37
Vel Total (m/s)	3.20	Avg. Vel. (m/s)	0.14	3.23	0.49
Max Chl Dpth (m)	1.94	Hydr. Depth (m)	0.01	1.13	0.07
Conv. Total (m3/s)	682.8	Conv. (m3/s)	0.0	681.6	1.2
Length Wtd. (m)	79.99	Wetted Per. (m)	0.05	17.94	3.38
Min Ch El (m)	759.38	Shear (N/m2)	0.81	89.51	5.37
Alpha	1.02	Stream Power (N/m s)	0.11	288.81	2.65
Frctn Loss (m)	0.71	Cum Volume (1000 m3)	0.00	3.71	0.01
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.00	4.13	0.16

Plan: Plan 04 TributarioArroyo 1 RS: 236.0229 Profile: T=50

E.G. Elev (m)	762.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.59	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	761.52	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	761.52	Flow Area (m2)	0.05	22.81	0.95
E.G. Slope (m/m)	0.007622	Area (m2)	0.05	22.81	0.95
Q Total (m3/s)	78.96	Flow (m3/s)	0.03	77.88	1.05
Top Width (m)	21.71	Top Width (m)	0.43	17.24	4.04
Vel Total (m/s)	3.32	Avg. Vel. (m/s)	0.62	3.42	1.10
Max Chl Dpth (m)	2.14	Hydr. Depth (m)	0.11	1.32	0.24
Conv. Total (m3/s)	904.4	Conv. (m3/s)	0.3	892.1	12.0
Length Wtd. (m)	80.01	Wetted Per. (m)	0.49	17.94	4.08
Min Ch El (m)	759.38	Shear (N/m2)	7.31	95.02	17.42
Alpha	1.05	Stream Power (N/m s)	4.51	324.49	19.20
Frctn Loss (m)	0.66	Cum Volume (1000 m3)	0.00	4.39	0.04
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.02	4.27	0.20

Plan: Plan 04 TributarioArroyo 1 RS: 236.0229 Profile: T=100

E.G. Elev (m)	762.38	Element	Left OB	Channel	Right OB
Vel Head (m)	0.65	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	761.73	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	761.73	Flow Area (m2)	0.18	26.45	1.88
E.G. Slope (m/m)	0.007065	Area (m2)	0.18	26.45	1.88
Q Total (m3/s)	98.95	Flow (m3/s)	0.17	95.97	2.81
Top Width (m)	22.84	Top Width (m)	0.85	17.24	4.75
Vel Total (m/s)	3.47	Avg. Vel. (m/s)	0.93	3.63	1.49
Max Chl Dpth (m)	2.35	Hydr. Depth (m)	0.22	1.53	0.40
Conv. Total (m3/s)	1177.2	Conv. (m3/s)	2.0	1141.8	33.4
Length Wtd. (m)	80.03	Wetted Per. (m)	0.95	17.94	4.82
Min Ch El (m)	759.38	Shear (N/m2)	13.30	102.13	26.98
Alpha	1.07	Stream Power (N/m s)	12.40	370.65	40.32
Frctn Loss (m)	0.62	Cum Volume (1000 m3)	0.01	5.15	0.09
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.03	4.42	0.24

Plan: Plan 04 TributarioArroyo 1 RS: 236.0229 Profile: T=500

E.G. Elev (m)	763.03	Element	Left OB	Channel	Right OB
Vel Head (m)	0.80	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	762.23	Reach Len. (m)	79.20	79.99	82.74
Crit W.S. (m)	762.23	Flow Area (m2)	0.86	35.11	4.91
E.G. Slope (m/m)	0.006110	Area (m2)	0.86	35.11	4.91
Q Total (m3/s)	154.07	Flow (m3/s)	1.26	143.15	9.66
Top Width (m)	26.40	Top Width (m)	1.80	17.24	7.36
Vel Total (m/s)	3.77	Avg. Vel. (m/s)	1.47	4.08	1.97
Max Chl Dpth (m)	2.85	Hydr. Depth (m)	0.48	2.04	0.67
Conv. Total (m3/s)	1971.1	Conv. (m3/s)	16.1	1831.4	123.6
Length Wtd. (m)	80.07	Wetted Per. (m)	2.03	17.94	7.48
Min Ch El (m)	759.38	Shear (N/m2)	25.35	117.27	39.31

Plan: Plan 04 TributarioArroyo 1 RS: 236.0229 Profile: T=500 (Continued)

Alpha	1.11	Stream Power (N/m s)	37.22	478.10	77.34
Frctn Loss (m)	0.55	Cum Volume (1000 m3)	0.05	7.02	0.24
C & E Loss (m)	0.02	Cum SA (1000 m2)	0.28	4.62	0.41

Plan: Plan 04 TributarioArroyo 1 RS: 156.0341 Profile: T=2

E.G. Elev (m)	753.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.		0.030	
W.S. Elev (m)	753.06	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.06	Flow Area (m2)		6.91	
E.G. Slope (m/m)	0.011393	Area (m2)		6.91	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	13.53	Top Width (m)		13.53	
Vel Total (m/s)	2.26	Avg. Vel. (m/s)		2.26	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	146.2	Conv. (m3/s)		146.2	
Length Wtd. (m)	96.20	Wetted Per. (m)		13.67	
Min Ch El (m)	752.21	Shear (N/m2)		56.50	
Alpha	1.00	Stream Power (N/m s)		127.58	
Frctn Loss (m)	1.18	Cum Volume (1000 m3)		0.76	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.00	

Plan: Plan 04 TributarioArroyo 1 RS: 156.0341 Profile: T=5

E.G. Elev (m)	753.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.		0.030	
W.S. Elev (m)	753.36	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.36	Flow Area (m2)		11.53	
E.G. Slope (m/m)	0.010381	Area (m2)		11.53	
Q Total (m3/s)	29.92	Flow (m3/s)		29.92	
Top Width (m)	17.09	Top Width (m)		17.09	
Vel Total (m/s)	2.59	Avg. Vel. (m/s)		2.59	
Max Chl Dpth (m)	1.15	Hydr. Depth (m)		0.67	
Conv. Total (m3/s)	293.7	Conv. (m3/s)		293.7	
Length Wtd. (m)	96.20	Wetted Per. (m)		17.28	
Min Ch El (m)	752.21	Shear (N/m2)		67.95	
Alpha	1.00	Stream Power (N/m s)		176.27	
Frctn Loss (m)	1.06	Cum Volume (1000 m3)		1.22	
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.26	

Plan: Plan 04 TributarioArroyo 1 RS: 156.0341 Profile: T=10

E.G. Elev (m)	753.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.40	Wt. n-Val.		0.030	
W.S. Elev (m)	753.57	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.57	Flow Area (m2)		15.55	
E.G. Slope (m/m)	0.009882	Area (m2)		15.55	
Q Total (m3/s)	43.39	Flow (m3/s)		43.39	
Top Width (m)	19.90	Top Width (m)		19.90	
Vel Total (m/s)	2.79	Avg. Vel. (m/s)		2.79	
Max Chl Dpth (m)	1.36	Hydr. Depth (m)		0.78	
Conv. Total (m3/s)	436.5	Conv. (m3/s)		436.5	
Length Wtd. (m)	96.20	Wetted Per. (m)		20.14	
Min Ch El (m)	752.21	Shear (N/m2)		74.85	
Alpha	1.00	Stream Power (N/m s)		208.80	
Frctn Loss (m)	0.99	Cum Volume (1000 m3)		1.61	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.43	0.00

Plan: Plan 04 TributarioArroyo 1 RS: 156.0341 Profile: T=25

E.G. Elev (m)	754.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.47	Wt. n-Val.		0.030	
W.S. Elev (m)	753.82	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.82	Flow Area (m2)		20.63	
E.G. Slope (m/m)	0.009244	Area (m2)		20.63	
Q Total (m3/s)	62.72	Flow (m3/s)		62.72	
Top Width (m)	22.02	Top Width (m)		22.02	
Vel Total (m/s)	3.04	Avg. Vel. (m/s)		3.04	
Max Chl Dpth (m)	1.61	Hydr. Depth (m)		0.94	
Conv. Total (m3/s)	652.3	Conv. (m3/s)		652.3	
Length Wtd. (m)	96.20	Wetted Per. (m)		22.32	
Min Ch El (m)	752.21	Shear (N/m2)		83.76	
Alpha	1.00	Stream Power (N/m s)		254.68	
Frctn Loss (m)	0.92	Cum Volume (1000 m3)		2.11	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.56	0.02

Plan: Plan 04 TributarioArroyo 1 RS: 156.0341 Profile: T=50

E.G. Elev (m)	754.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.53	Wt. n-Val.		0.030	
W.S. Elev (m)	753.99	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	753.99	Flow Area (m2)		24.56	
E.G. Slope (m/m)	0.008908	Area (m2)		24.56	
Q Total (m3/s)	78.96	Flow (m3/s)		78.96	
Top Width (m)	23.40	Top Width (m)		23.40	
Vel Total (m/s)	3.22	Avg. Vel. (m/s)		3.22	
Max Chl Dpth (m)	1.78	Hydr. Depth (m)		1.05	
Conv. Total (m3/s)	836.6	Conv. (m3/s)		836.6	
Length Wtd. (m)	96.20	Wetted Per. (m)		23.76	
Min Ch El (m)	752.21	Shear (N/m2)		90.27	
Alpha	1.00	Stream Power (N/m s)		290.25	
Frctn Loss (m)	0.87	Cum Volume (1000 m3)		2.49	0.00
C & E Loss (m)	0.03	Cum SA (1000 m2)		2.65	0.03

Plan: Plan 04 TributarioArroyo 1 RS: 156.0341 Profile: T=100

E.G. Elev (m)	754.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.59	Wt. n-Val.		0.030	
W.S. Elev (m)	754.18	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	754.18	Flow Area (m2)		29.13	
E.G. Slope (m/m)	0.008586	Area (m2)		29.13	
Q Total (m3/s)	98.95	Flow (m3/s)		98.95	
Top Width (m)	24.82	Top Width (m)		24.82	
Vel Total (m/s)	3.40	Avg. Vel. (m/s)		3.40	
Max Chl Dpth (m)	1.97	Hydr. Depth (m)		1.17	
Conv. Total (m3/s)	1067.9	Conv. (m3/s)		1067.9	
Length Wtd. (m)	96.20	Wetted Per. (m)		25.25	
Min Ch El (m)	752.21	Shear (N/m2)		97.12	
Alpha	1.00	Stream Power (N/m s)		329.94	
Frctn Loss (m)	0.84	Cum Volume (1000 m3)	0.00	2.93	0.01
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.00	2.73	0.05

Plan: Plan 04 TributarioArroyo 1 RS: 156.0341 Profile: T=500

E.G. Elev (m)	755.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.74	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	754.61	Reach Len. (m)	97.22	96.20	95.14
Crit W.S. (m)	754.61	Flow Area (m2)	0.14	40.41	0.01
E.G. Slope (m/m)	0.007867	Area (m2)	0.14	40.41	0.01
Q Total (m3/s)	154.07	Flow (m3/s)	0.07	153.99	0.00

Plan: Plan 04 TributarioArroyo 1 RS: 156.0341 Profile: T=500 (Continued)

Top Width (m)	29.28	Top Width (m)	1.95	27.09	0.24
Vel Total (m/s)	3.80	Avg. Vel. (m/s)	0.51	3.81	0.35
Max Chl Dpth (m)	2.40	Hydr. Depth (m)	0.07	1.49	0.04
Conv. Total (m3/s)	1737.0	Conv. (m3/s)	0.8	1736.2	0.0
Length Wtd. (m)	96.20	Wetted Per. (m)	1.96	27.62	0.26
Min Ch El (m)	752.21	Shear (N/m2)	5.53	112.89	3.16
Alpha	1.01	Stream Power (N/m s)	2.83	430.17	1.11
Frctn Loss (m)	0.76	Cum Volume (1000 m3)	0.01	4.00	0.03
C & E Loss (m)	0.03	Cum SA (1000 m2)	0.13	2.84	0.09

Plan: Plan 04 TributarioArroyo 1 RS: 59.83515 Profile: T=2

E.G. Elev (m)	747.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	746.99	Reach Len. (m)			
Crit W.S. (m)	746.99	Flow Area (m2)		8.81	
E.G. Slope (m/m)	0.013331	Area (m2)		8.81	
Q Total (m3/s)	15.61	Flow (m3/s)		15.61	
Top Width (m)	28.10	Top Width (m)		28.10	
Vel Total (m/s)	1.77	Avg. Vel. (m/s)		1.77	
Max Chl Dpth (m)	0.51	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	135.2	Conv. (m3/s)		135.2	
Length Wtd. (m)		Wetted Per. (m)		28.17	
Min Ch El (m)	746.48	Shear (N/m2)		40.87	
Alpha	1.00	Stream Power (N/m s)		72.44	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 04 TributarioArroyo 1 RS: 59.83515 Profile: T=5

E.G. Elev (m)	747.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.		0.030	
W.S. Elev (m)	747.16	Reach Len. (m)			
Crit W.S. (m)	747.16	Flow Area (m2)		13.87	
E.G. Slope (m/m)	0.011713	Area (m2)		13.87	
Q Total (m3/s)	29.92	Flow (m3/s)		29.92	
Top Width (m)	29.86	Top Width (m)		29.86	
Vel Total (m/s)	2.16	Avg. Vel. (m/s)		2.16	
Max Chl Dpth (m)	0.68	Hydr. Depth (m)		0.46	
Conv. Total (m3/s)	276.5	Conv. (m3/s)		276.5	
Length Wtd. (m)		Wetted Per. (m)		29.97	
Min Ch El (m)	746.48	Shear (N/m2)		53.14	
Alpha	1.00	Stream Power (N/m s)		114.67	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 04 TributarioArroyo 1 RS: 59.83515 Profile: T=10

E.G. Elev (m)	747.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.30	Wt. n-Val.		0.030	0.000
W.S. Elev (m)	747.30	Reach Len. (m)			
Crit W.S. (m)	747.30	Flow Area (m2)		18.00	0.00
E.G. Slope (m/m)	0.010719	Area (m2)		18.00	0.00
Q Total (m3/s)	43.39	Flow (m3/s)		43.39	0.00
Top Width (m)	30.72	Top Width (m)		30.70	0.02
Vel Total (m/s)	2.41	Avg. Vel. (m/s)		2.41	0.09
Max Chl Dpth (m)	0.82	Hydr. Depth (m)		0.59	0.00
Conv. Total (m3/s)	419.1	Conv. (m3/s)		419.1	0.0
Length Wtd. (m)		Wetted Per. (m)		30.85	0.02
Min Ch El (m)	746.48	Shear (N/m2)		61.34	

Plan: Plan 04 TributarioArroyo 1 RS: 59.83515 Profile: T=10 (Continued)

Alpha	1.00	Stream Power (N/m s)		147.84	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 04 TributarioArroyo 1 RS: 59.83515 Profile: T=25

E.G. Elev (m)	747.84	Element	Left OB	Channel	Right OB
Vel Head (m)	0.37	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	747.47	Reach Len. (m)			
Crit W.S. (m)	747.47	Flow Area (m2)		23.18	0.03
E.G. Slope (m/m)	0.009864	Area (m2)		23.18	0.03
Q Total (m3/s)	62.72	Flow (m3/s)		62.70	0.02
Top Width (m)	31.60	Top Width (m)		31.20	0.39
Vel Total (m/s)	2.70	Avg. Vel. (m/s)		2.71	0.62
Max Chl Dpth (m)	0.99	Hydr. Depth (m)		0.74	0.09
Conv. Total (m3/s)	631.5	Conv. (m3/s)		631.3	0.2
Length Wtd. (m)		Wetted Per. (m)		31.38	0.43
Min Ch El (m)	746.48	Shear (N/m2)		71.44	7.79
Alpha	1.00	Stream Power (N/m s)		193.25	4.81
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 04 TributarioArroyo 1 RS: 59.83515 Profile: T=50

E.G. Elev (m)	748.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	747.60	Reach Len. (m)			
Crit W.S. (m)	747.60	Flow Area (m2)		27.23	0.10
E.G. Slope (m/m)	0.009278	Area (m2)		27.23	0.10
Q Total (m3/s)	78.96	Flow (m3/s)		78.87	0.09
Top Width (m)	32.27	Top Width (m)		31.59	0.68
Vel Total (m/s)	2.89	Avg. Vel. (m/s)		2.90	0.86
Max Chl Dpth (m)	1.12	Hydr. Depth (m)		0.86	0.15
Conv. Total (m3/s)	819.7	Conv. (m3/s)		818.8	0.9
Length Wtd. (m)		Wetted Per. (m)		31.80	0.75
Min Ch El (m)	746.48	Shear (N/m2)		77.94	12.69
Alpha	1.00	Stream Power (N/m s)		225.70	10.96
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 04 TributarioArroyo 1 RS: 59.83515 Profile: T=100

E.G. Elev (m)	748.23	Element	Left OB	Channel	Right OB
Vel Head (m)	0.49	Wt. n-Val.	0.000	0.030	0.030
W.S. Elev (m)	747.74	Reach Len. (m)			
Crit W.S. (m)	747.74	Flow Area (m2)	0.00	31.71	0.22
E.G. Slope (m/m)	0.008913	Area (m2)	0.00	31.71	0.22
Q Total (m3/s)	98.95	Flow (m3/s)	0.00	98.71	0.24
Top Width (m)	33.01	Top Width (m)	0.01	32.00	0.99
Vel Total (m/s)	3.10	Avg. Vel. (m/s)	0.07	3.11	1.09
Max Chl Dpth (m)	1.26	Hydr. Depth (m)	0.00	0.99	0.22
Conv. Total (m3/s)	1048.1	Conv. (m3/s)	0.0	1045.5	2.6
Length Wtd. (m)		Wetted Per. (m)	0.01	32.22	1.09
Min Ch El (m)	746.48	Shear (N/m2)		86.01	17.79
Alpha	1.01	Stream Power (N/m s)		267.76	19.38
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan 04 TributarioArroyo 1 RS: 59.83515 Profile: T=500

E.G. Elev (m)	748.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.65	Wt. n-Val.	0.030	0.030	0.030
W.S. Elev (m)	748.08	Reach Len. (m)			
Crit W.S. (m)	748.08	Flow Area (m2)	0.12	42.69	0.69
E.G. Slope (m/m)	0.007940	Area (m2)	0.12	42.69	0.69
Q Total (m3/s)	154.07	Flow (m3/s)	0.10	152.93	1.04
Top Width (m)	34.43	Top Width (m)	0.68	32.00	1.75
Vel Total (m/s)	3.54	Avg. Vel. (m/s)	0.86	3.58	1.50
Max Chl Dpth (m)	1.60	Hydr. Depth (m)	0.17	1.33	0.39
Conv. Total (m3/s)	1729.1	Conv. (m3/s)	1.1	1716.2	11.7
Length Wtd. (m)		Wetted Per. (m)	0.76	32.22	1.92
Min Ch El (m)	746.48	Shear (N/m2)	12.11	103.14	28.03
Alpha	1.02	Stream Power (N/m s)	10.40	369.53	42.14
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

**PLAN ESPECIAL DE INFRAESTRUCTURAS PEI-PFOT-172:
PLANTAS SOLARES FOTOVOLTAICAS QUILLA SOLAR,
PORTALÓN SOLAR Y SPINNAKER SOLAR, SUBESTACIÓN
ELÉCTRICA NIMBO Y SUBESTACIÓN ELÉCTRICA PIÑÓN, ASÍ
COMO LAS LÍNEAS ELÉCTRICAS ASOCIADAS.**

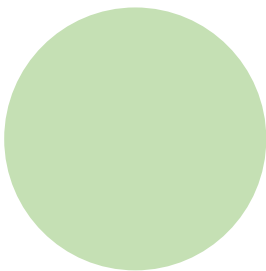
VERSIÓN INICIAL DEL PLAN: DOCUMENTO PARA APROBACIÓN INICIAL

BLOQUE II. DOCUMENTACIÓN AMBIENTAL

ANEXO IV. ESTUDIO BIANUAL DE AVIFAUNA

**TÉRMINOS MUNICIPALES DE NUEVO BAZTÁN, VALVERDE DE
ALCALÁ, POZUELO DEL REY, CAMPO REAL, ARGANDA DEL
REY Y LOECHES.**

COMUNIDAD DE MADRID



ABRIL 2022

