

LUNES, 20 DE JUNIO DE 2016 - BOC EXTRAORDINARIO NÚM. 24

Plan: Plan3 Carrejo Carrejo RS: 51 Profile: PF 1

E.G. Elev (m)	138.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.30	Reach Len. (m)	4.98	5.00	5.06
Crit W.S. (m)		Flow Area (m2)	27.65	9.06	14.28
E.G. Slope (m/m)	0.000583	Area (m2)	27.65	9.06	14.28
Q Total (m3/s)	38.60	Flow (m3/s)	18.90	12.38	7.31
Top Width (m)	42.74	Top Width (m)	20.74	4.02	17.98
Vel Total (m/s)	0.76	Avg. Vel. (m/s)	0.68	1.37	0.51
Max Chl Dpth (m)	2.32	Hydr. Depth (m)	1.33	2.25	0.79
Conv. Total (m3/s)	1599.1	Conv. (m3/s)	783.1	513.0	303.0
Length Wtd. (m)	5.00	Wetted Per. (m)	22.94	4.09	18.25
Min Ch El (m)	135.98	Shear (N/m2)	6.89	12.65	4.47
Alpha	1.53	Stream Power (N/m s)	4.71	17.29	2.29
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	4.02	3.27	2.15
C & E Loss (m)	0.00	Cum SA (1000 m2)	3.84	1.32	3.63

Plan: Plan3 Carrejo Carrejo RS: 50 Profile: PF 1

E.G. Elev (m)	138.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.30	Reach Len. (m)	4.07	5.00	6.13
Crit W.S. (m)		Flow Area (m2)	31.32	11.36	9.15
E.G. Slope (m/m)	0.000500	Area (m2)	31.32	11.36	9.15
Q Total (m3/s)	38.60	Flow (m3/s)	20.78	14.55	3.27
Top Width (m)	44.31	Top Width (m)	22.18	4.98	17.15
Vel Total (m/s)	0.74	Avg. Vel. (m/s)	0.66	1.28	0.36
Max Chl Dpth (m)	2.34	Hydr. Depth (m)	1.41	2.28	0.53
Conv. Total (m3/s)	1726.3	Conv. (m3/s)	929.2	650.8	146.3
Length Wtd. (m)	4.61	Wetted Per. (m)	24.23	5.04	17.91
Min Ch El (m)	135.96	Shear (N/m2)	6.34	11.04	2.51
Alpha	1.56	Stream Power (N/m s)	4.20	14.14	0.90
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	3.87	3.22	2.09
C & E Loss (m)	0.00	Cum SA (1000 m2)	3.73	1.29	3.55

Plan: Plan3 Carrejo Carrejo RS: 49 Profile: PF 1

E.G. Elev (m)	138.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.29	Reach Len. (m)	4.73	5.00	5.21
Crit W.S. (m)		Flow Area (m2)	28.74	7.11	12.83
E.G. Slope (m/m)	0.000643	Area (m2)	28.74	7.11	12.83
Q Total (m3/s)	38.60	Flow (m3/s)	22.31	10.70	5.59
Top Width (m)	43.85	Top Width (m)	19.57	2.94	21.34
Vel Total (m/s)	0.79	Avg. Vel. (m/s)	0.78	1.50	0.44
Max Chl Dpth (m)	2.55	Hydr. Depth (m)	1.47	2.42	0.60
Conv. Total (m3/s)	1522.0	Conv. (m3/s)	879.7	421.8	220.4
Length Wtd. (m)	4.86	Wetted Per. (m)	21.21	3.00	22.50
Min Ch El (m)	135.74	Shear (N/m2)	8.55	14.97	3.60
Alpha	1.60	Stream Power (N/m s)	6.63	22.52	1.57
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	3.75	3.17	2.02
C & E Loss (m)	0.00	Cum SA (1000 m2)	3.65	1.27	3.43

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Plan: Plan3 Carrejo Carrejo RS: 48 Profile: PF 1

E.G. Elev (m)	138.34	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.29	Reach Len. (m)	5.32	5.00	4.98
Crit W.S. (m)		Flow Area (m2)	29.83	5.49	11.71
E.G. Slope (m/m)	0.000673	Area (m2)	29.83	5.49	11.71
Q Total (m3/s)	38.60	Flow (m3/s)	24.97	8.35	5.28
Top Width (m)	40.00	Top Width (m)	19.00	2.15	18.85
Vel Total (m/s)	0.82	Avg. Vel. (m/s)	0.84	1.52	0.45
Max Chl Dpth (m)	2.66	Hydr. Depth (m)	1.57	2.55	0.62
Conv. Total (m3/s)	1487.4	Conv. (m3/s)	962.4	321.7	203.3
Length Wtd. (m)	5.17	Wetted Per. (m)	20.35	2.35	20.23
Min Ch El (m)	135.63	Shear (N/m2)	9.68	15.40	3.82
Alpha	1.46	Stream Power (N/m s)	8.11	23.43	1.72
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	3.61	3.14	1.96
C & E Loss (m)	0.00	Cum SA (1000 m2)	3.56	1.26	3.32

Plan: Plan3 Carrejo Carrejo RS: 47 Profile: PF 1

E.G. Elev (m)	138.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.29	Reach Len. (m)	5.18	5.00	4.84
Crit W.S. (m)		Flow Area (m2)	23.88	9.69	16.77
E.G. Slope (m/m)	0.000514	Area (m2)	23.88	9.69	16.77
Q Total (m3/s)	38.60	Flow (m3/s)	17.06	13.31	8.22
Top Width (m)	39.42	Top Width (m)	15.84	3.94	19.64
Vel Total (m/s)	0.77	Avg. Vel. (m/s)	0.71	1.37	0.49
Max Chl Dpth (m)	2.51	Hydr. Depth (m)	1.51	2.46	0.85
Conv. Total (m3/s)	1702.8	Conv. (m3/s)	752.8	587.3	362.7
Length Wtd. (m)	5.03	Wetted Per. (m)	16.87	3.95	20.82
Min Ch El (m)	135.78	Shear (N/m2)	7.13	12.35	4.06
Alpha	1.58	Stream Power (N/m s)	5.10	16.97	1.99
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	3.47	3.10	1.89
C & E Loss (m)	0.00	Cum SA (1000 m2)	3.46	1.25	3.23

Plan: Plan3 Carrejo Carrejo RS: 46 Profile: PF 1

E.G. Elev (m)	138.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.29	Reach Len. (m)	5.00	5.00	5.16
Crit W.S. (m)		Flow Area (m2)	22.95	9.67	19.90
E.G. Slope (m/m)	0.000517	Area (m2)	22.95	9.67	19.90
Q Total (m3/s)	38.60	Flow (m3/s)	14.14	12.48	11.98
Top Width (m)	40.00	Top Width (m)	18.63	4.15	17.22
Vel Total (m/s)	0.73	Avg. Vel. (m/s)	0.62	1.29	0.60
Max Chl Dpth (m)	2.41	Hydr. Depth (m)	1.23	2.33	1.16
Conv. Total (m3/s)	1698.3	Conv. (m3/s)	622.1	549.0	527.3
Length Wtd. (m)	5.04	Wetted Per. (m)	20.33	4.35	18.24
Min Ch El (m)	135.88	Shear (N/m2)	5.72	11.26	5.53
Alpha	1.46	Stream Power (N/m s)	3.52	14.53	3.33
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	3.34	3.06	1.80
C & E Loss (m)	0.00	Cum SA (1000 m2)	3.38	1.23	3.14

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Plan: Plan3 Carrejo Carrejo RS: 45 Profile: PF 1

E.G. Elev (m)	138.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.29	Reach Len. (m)	2.64	5.00	8.89
Crit W.S. (m)		Flow Area (m2)	23.29	18.51	13.54
E.G. Slope (m/m)	0.000421	Area (m2)	23.29	18.51	13.54
Q Total (m3/s)	38.60	Flow (m3/s)	12.90	19.75	5.95
Top Width (m)	44.24	Top Width (m)	19.44	8.27	16.53
Vel Total (m/s)	0.70	Avg. Vel. (m/s)	0.55	1.07	0.44
Max Chl Dpth (m)	2.69	Hydr. Depth (m)	1.20	2.24	0.82
Conv. Total (m3/s)	1881.0	Conv. (m3/s)	628.5	962.4	290.0
Length Wtd. (m)	4.93	Wetted Per. (m)	20.77	9.50	17.09
Min Ch El (m)	135.60	Shear (N/m2)	4.63	8.05	3.27
Alpha	1.47	Stream Power (N/m s)	2.56	8.58	1.44
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	3.23	2.98	1.71
C & E Loss (m)	0.00	Cum SA (1000 m2)	3.28	1.19	3.05

Plan: Plan3 Carrejo Carrejo RS: 44 Profile: PF 1

E.G. Elev (m)	138.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.29	Reach Len. (m)	4.25	5.00	6.54
Crit W.S. (m)		Flow Area (m2)	23.26	25.84	13.94
E.G. Slope (m/m)	0.000215	Area (m2)	23.26	25.84	13.94
Q Total (m3/s)	38.60	Flow (m3/s)	8.81	24.05	5.73
Top Width (m)	41.13	Top Width (m)	20.34	9.66	11.13
Vel Total (m/s)	0.61	Avg. Vel. (m/s)	0.38	0.93	0.41
Max Chl Dpth (m)	2.89	Hydr. Depth (m)	1.14	2.68	1.25
Conv. Total (m3/s)	2631.1	Conv. (m3/s)	600.8	1639.4	390.9
Length Wtd. (m)	5.07	Wetted Per. (m)	22.15	9.84	11.74
Min Ch El (m)	135.41	Shear (N/m2)	2.22	5.54	2.51
Alpha	1.59	Stream Power (N/m s)	0.84	5.16	1.03
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	3.17	2.87	1.59
C & E Loss (m)	0.00	Cum SA (1000 m2)	3.23	1.15	2.93

Plan: Plan3 Carrejo Carrejo RS: 43 Profile: PF 1

E.G. Elev (m)	138.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.28	Reach Len. (m)	4.00	5.00	6.48
Crit W.S. (m)		Flow Area (m2)	23.74	18.11	18.05
E.G. Slope (m/m)	0.000339	Area (m2)	23.74	18.11	18.05
Q Total (m3/s)	38.60	Flow (m3/s)	10.50	20.88	7.22
Top Width (m)	51.18	Top Width (m)	23.34	6.56	21.28
Vel Total (m/s)	0.64	Avg. Vel. (m/s)	0.44	1.15	0.40
Max Chl Dpth (m)	2.93	Hydr. Depth (m)	1.02	2.76	0.85
Conv. Total (m3/s)	2096.8	Conv. (m3/s)	570.4	1134.5	391.9
Length Wtd. (m)	4.82	Wetted Per. (m)	25.21	7.03	22.30
Min Ch El (m)	135.35	Shear (N/m2)	3.13	8.56	2.69
Alpha	1.93	Stream Power (N/m s)	1.38	9.88	1.08
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	3.07	2.76	1.49
C & E Loss (m)	0.01	Cum SA (1000 m2)	3.13	1.11	2.82

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Plan: Plan3 Carrejo Carrejo RS: 42 Profile: PF 1

E.G. Elev (m)	138.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.20	Reach Len. (m)	5.00	5.00	5.00
Crit W.S. (m)		Flow Area (m2)	21.10	12.77	3.09
E.G. Slope (m/m)	0.000900	Area (m2)	21.10	12.77	3.09
Q Total (m3/s)	38.60	Flow (m3/s)	15.06	22.79	0.76
Top Width (m)	41.57	Top Width (m)	20.91	5.14	15.51
Vel Total (m/s)	1.04	Avg. Vel. (m/s)	0.71	1.78	0.25
Max Chl Dpth (m)	2.73	Hydr. Depth (m)	1.01	2.48	0.20
Conv. Total (m3/s)	1286.5	Conv. (m3/s)	501.9	759.4	25.2
Length Wtd. (m)	5.00	Wetted Per. (m)	22.74	5.35	16.54
Min Ch El (m)	135.48	Shear (N/m2)	8.19	21.05	1.65
Alpha	1.91	Stream Power (N/m s)	5.85	37.57	0.40
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	2.98	2.69	1.42
C & E Loss (m)	0.02	Cum SA (1000 m2)	3.05	1.08	2.70

Plan: Plan3 Carrejo Carrejo RS: 41 Profile: PF 1

E.G. Elev (m)	138.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.02	Reach Len. (m)	4.65	5.00	5.31
Crit W.S. (m)		Flow Area (m2)	8.45	11.63	2.06
E.G. Slope (m/m)	0.002087	Area (m2)	8.45	11.63	2.06
Q Total (m3/s)	38.60	Flow (m3/s)	7.43	29.89	1.28
Top Width (m)	20.67	Top Width (m)	11.00	5.00	4.67
Vel Total (m/s)	1.74	Avg. Vel. (m/s)	0.88	2.57	0.62
Max Chl Dpth (m)	2.48	Hydr. Depth (m)	0.77	2.33	0.44
Conv. Total (m3/s)	845.0	Conv. (m3/s)	162.6	654.4	28.0
Length Wtd. (m)	4.95	Wetted Per. (m)	12.51	5.31	5.65
Min Ch El (m)	135.54	Shear (N/m2)	13.82	44.86	7.45
Alpha	1.74	Stream Power (N/m s)	12.15	115.28	4.63
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	2.90	2.63	1.41
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.97	1.05	2.65

Plan: Plan3 Carrejo Carrejo RS: 40 Profile: PF 1

E.G. Elev (m)	138.27	Element	Left OB	Channel	Right OB
Vel Head (m)	0.29	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.98	Reach Len. (m)	5.04	5.00	5.04
Crit W.S. (m)	137.66	Flow Area (m2)	8.47	12.17	1.57
E.G. Slope (m/m)	0.002256	Area (m2)	8.47	12.17	1.57
Q Total (m3/s)	38.60	Flow (m3/s)	5.97	31.78	0.85
Top Width (m)	27.04	Top Width (m)	17.41	5.28	4.35
Vel Total (m/s)	1.74	Avg. Vel. (m/s)	0.70	2.61	0.54
Max Chl Dpth (m)	2.50	Hydr. Depth (m)	0.49	2.31	0.36
Conv. Total (m3/s)	812.7	Conv. (m3/s)	125.8	669.1	17.9
Length Wtd. (m)	5.01	Wetted Per. (m)	18.52	5.75	5.11
Min Ch El (m)	135.48	Shear (N/m2)	10.12	46.85	6.79
Alpha	1.89	Stream Power (N/m s)	7.13	122.31	3.67
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	2.86	2.57	1.40
C & E Loss (m)	0.02	Cum SA (1000 m2)	2.90	1.03	2.63

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Plan: Plan3 Carrejo Carrejo RS: 39 Profile: PF 1

E.G. Elev (m)	138.25	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.01	Reach Len. (m)	5.90	5.00	4.37
Crit W.S. (m)	137.34	Flow Area (m2)	5.08	15.13	2.05
E.G. Slope (m/m)	0.001981	Area (m2)	5.08	15.13	2.05
Q Total (m3/s)	38.60	Flow (m3/s)	2.89	34.54	1.17
Top Width (m)	25.03	Top Width (m)	12.65	7.13	5.25
Vel Total (m/s)	1.73	Avg. Vel. (m/s)	0.57	2.28	0.57
Max Chl Dpth (m)	2.50	Hydr. Depth (m)	0.40	2.12	0.39
Conv. Total (m3/s)	867.3	Conv. (m3/s)	64.9	776.1	26.3
Length Wtd. (m)	5.09	Wetted Per. (m)	13.91	7.93	5.61
Min Ch El (m)	135.50	Shear (N/m2)	7.10	37.07	7.11
Alpha	1.56	Stream Power (N/m s)	4.04	84.60	4.05
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	2.83	2.50	1.39
C & E Loss (m)	0.04	Cum SA (1000 m2)	2.82	1.00	2.60

Plan: Plan3 Carrejo Carrejo RS: 38 Profile: PF 1

E.G. Elev (m)	138.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.10	Reach Len. (m)	5.01	5.00	5.00
Crit W.S. (m)		Flow Area (m2)	11.13	19.70	3.30
E.G. Slope (m/m)	0.001061	Area (m2)	11.13	19.70	3.30
Q Total (m3/s)	38.60	Flow (m3/s)	6.86	30.52	1.22
Top Width (m)	36.02	Top Width (m)	15.52	10.33	10.17
Vel Total (m/s)	1.13	Avg. Vel. (m/s)	0.62	1.55	0.37
Max Chl Dpth (m)	2.55	Hydr. Depth (m)	0.72	1.91	0.32
Conv. Total (m3/s)	1184.9	Conv. (m3/s)	210.6	936.9	37.5
Length Wtd. (m)	5.00	Wetted Per. (m)	16.92	11.57	10.80
Min Ch El (m)	135.55	Shear (N/m2)	6.85	17.73	3.18
Alpha	1.54	Stream Power (N/m s)	4.22	27.46	1.18
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	2.78	2.41	1.38
C & E Loss (m)	0.01	Cum SA (1000 m2)	2.74	0.95	2.57

Plan: Plan3 Carrejo Carrejo RS: 37 Profile: PF 1

E.G. Elev (m)	138.18	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.12	Reach Len. (m)	5.15	5.00	4.99
Crit W.S. (m)		Flow Area (m2)	18.57	21.98	4.08
E.G. Slope (m/m)	0.000545	Area (m2)	18.57	21.98	4.08
Q Total (m3/s)	38.60	Flow (m3/s)	10.42	27.01	1.17
Top Width (m)	39.25	Top Width (m)	18.09	10.49	10.67
Vel Total (m/s)	0.86	Avg. Vel. (m/s)	0.56	1.23	0.29
Max Chl Dpth (m)	2.71	Hydr. Depth (m)	1.03	2.10	0.38
Conv. Total (m3/s)	1653.0	Conv. (m3/s)	446.4	1156.5	50.1
Length Wtd. (m)	5.04	Wetted Per. (m)	19.70	11.08	11.88
Min Ch El (m)	135.42	Shear (N/m2)	5.04	10.60	1.84
Alpha	1.53	Stream Power (N/m s)	2.83	13.03	0.53
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	2.71	2.31	1.36
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.66	0.90	2.52

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Plan: Plan3 Carrejo Carrejo RS: 36 Profile: PF 1

E.G. Elev (m)	138.18	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.13	Reach Len. (m)	4.05	5.00	6.06
Crit W.S. (m)		Flow Area (m2)	23.92	19.74	9.15
E.G. Slope (m/m)	0.000356	Area (m2)	23.92	19.74	9.15
Q Total (m3/s)	38.60	Flow (m3/s)	11.80	23.67	3.13
Top Width (m)	41.98	Top Width (m)	21.19	7.34	13.45
Vel Total (m/s)	0.73	Avg. Vel. (m/s)	0.49	1.20	0.34
Max Chl Dpth (m)	2.88	Hydr. Depth (m)	1.13	2.69	0.68
Conv. Total (m3/s)	2046.7	Conv. (m3/s)	625.8	1254.9	166.0
Length Wtd. (m)	4.85	Wetted Per. (m)	22.33	7.49	14.82
Min Ch El (m)	135.25	Shear (N/m2)	3.74	9.19	2.15
Alpha	1.81	Stream Power (N/m s)	1.84	11.02	0.74
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	2.60	2.20	1.32
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.56	0.86	2.46

Plan: Plan3 Carrejo Carrejo RS: 35 Profile: PF 1

E.G. Elev (m)	138.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.11	Reach Len. (m)	5.03	5.00	5.02
Crit W.S. (m)		Flow Area (m2)	15.75	17.79	13.45
E.G. Slope (m/m)	0.000442	Area (m2)	15.75	17.79	13.45
Q Total (m3/s)	38.60	Flow (m3/s)	9.27	24.44	4.88
Top Width (m)	40.00	Top Width (m)	12.24	6.13	21.63
Vel Total (m/s)	0.82	Avg. Vel. (m/s)	0.59	1.37	0.36
Max Chl Dpth (m)	3.03	Hydr. Depth (m)	1.29	2.90	0.62
Conv. Total (m3/s)	1836.4	Conv. (m3/s)	441.3	1162.9	232.3
Length Wtd. (m)	5.01	Wetted Per. (m)	13.29	6.48	23.43
Min Ch El (m)	135.08	Shear (N/m2)	5.14	11.89	2.49
Alpha	1.92	Stream Power (N/m s)	3.02	16.34	0.90
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	2.52	2.11	1.26
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.49	0.82	2.35

Plan: Plan3 Carrejo Carrejo RS: 34 Profile: PF 1

E.G. Elev (m)	138.17	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	138.11	Reach Len. (m)	5.19	5.00	5.40
Crit W.S. (m)		Flow Area (m2)	19.41	20.04	9.40
E.G. Slope (m/m)	0.000448	Area (m2)	19.41	20.04	9.40
Q Total (m3/s)	38.60	Flow (m3/s)	9.47	25.71	3.42
Top Width (m)	43.69	Top Width (m)	21.36	7.25	15.08
Vel Total (m/s)	0.79	Avg. Vel. (m/s)	0.49	1.28	0.36
Max Chl Dpth (m)	3.10	Hydr. Depth (m)	0.91	2.76	0.62
Conv. Total (m3/s)	1823.7	Conv. (m3/s)	447.5	1214.7	161.5
Length Wtd. (m)	5.05	Wetted Per. (m)	21.91	8.17	16.49
Min Ch El (m)	135.01	Shear (N/m2)	3.89	10.77	2.50
Alpha	1.87	Stream Power (N/m s)	1.90	13.82	0.91
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	2.43	2.01	1.20
C & E Loss (m)	0.05	Cum SA (1000 m2)	2.40	0.79	2.26

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Plan: Plan3 Carrejo Carrejo RS: 33 Profile: PF 1

E.G. Elev (m)	138.11	Element	Left OB	Channel	Right OB
Vel Head (m)	0.60	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.51	Reach Len. (m)	5.03	5.00	5.05
Crit W.S. (m)	137.51	Flow Area (m2)	3.02	9.85	0.35
E.G. Slope (m/m)	0.006514	Area (m2)	3.02	9.85	0.35
Q Total (m3/s)	38.60	Flow (m3/s)	3.10	35.19	0.31
Top Width (m)	14.92	Top Width (m)	9.02	5.10	0.81
Vel Total (m/s)	2.92	Avg. Vel. (m/s)	1.02	3.57	0.88
Max Chl Dpth (m)	2.57	Hydr. Depth (m)	0.34	1.93	0.43
Conv. Total (m3/s)	478.3	Conv. (m3/s)	38.4	436.1	3.8
Length Wtd. (m)	5.00	Wetted Per. (m)	9.18	6.43	1.21
Min Ch El (m)	134.94	Shear (N/m2)	21.04	97.82	18.50
Alpha	1.38	Stream Power (N/m s)	21.55	349.65	16.33
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	2.37	1.94	1.17
C & E Loss (m)	0.04	Cum SA (1000 m2)	2.32	0.76	2.22

Plan: Plan3 Carrejo Carrejo RS: 32 Profile: PF 1

E.G. Elev (m)	137.82	Element	Left OB	Channel	Right OB
Vel Head (m)	0.45	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.37	Reach Len. (m)	6.10	5.00	3.88
Crit W.S. (m)	137.00	Flow Area (m2)	1.82	11.68	0.92
E.G. Slope (m/m)	0.003740	Area (m2)	1.82	11.68	0.92
Q Total (m3/s)	38.60	Flow (m3/s)	2.04	35.86	0.70
Top Width (m)	10.28	Top Width (m)	2.54	5.64	2.09
Vel Total (m/s)	2.68	Avg. Vel. (m/s)	1.12	3.07	0.76
Max Chl Dpth (m)	2.42	Hydr. Depth (m)	0.71	2.07	0.44
Conv. Total (m3/s)	631.2	Conv. (m3/s)	33.3	586.3	11.5
Length Wtd. (m)	5.07	Wetted Per. (m)	2.89	6.32	2.62
Min Ch El (m)	134.95	Shear (N/m2)	23.03	67.79	12.94
Alpha	1.23	Stream Power (N/m s)	25.82	208.13	9.88
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	2.36	1.89	1.17
C & E Loss (m)	0.03	Cum SA (1000 m2)	2.30	0.73	2.21

Plan: Plan3 Carrejo Carrejo RS: 31 Profile: PF 1

E.G. Elev (m)	137.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.34	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.43	Reach Len. (m)	5.43	5.00	4.55
Crit W.S. (m)	137.15	Flow Area (m2)	4.91	11.75	1.40
E.G. Slope (m/m)	0.002997	Area (m2)	4.91	11.75	1.40
Q Total (m3/s)	38.60	Flow (m3/s)	4.58	32.80	1.22
Top Width (m)	16.42	Top Width (m)	8.37	5.71	2.34
Vel Total (m/s)	2.14	Avg. Vel. (m/s)	0.93	2.79	0.87
Max Chl Dpth (m)	2.40	Hydr. Depth (m)	0.59	2.06	0.60
Conv. Total (m3/s)	705.1	Conv. (m3/s)	83.6	599.2	22.3
Length Wtd. (m)	5.05	Wetted Per. (m)	8.74	6.21	2.76
Min Ch El (m)	135.03	Shear (N/m2)	16.52	55.62	14.93
Alpha	1.48	Stream Power (N/m s)	15.39	155.29	13.01
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	2.34	1.83	1.16
C & E Loss (m)	0.02	Cum SA (1000 m2)	2.26	0.70	2.20

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Plan: Plan3 Carrejo Carrejo RS: 30 Profile: PF 1

E.G. Elev (m)	137.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.26	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.47	Reach Len. (m)	5.05	5.00	5.03
Crit W.S. (m)	137.08	Flow Area (m2)	7.73	10.64	2.48
E.G. Slope (m/m)	0.002609	Area (m2)	7.73	10.64	2.48
Q Total (m3/s)	38.60	Flow (m3/s)	8.71	27.67	2.22
Top Width (m)	18.04	Top Width (m)	9.19	5.08	3.77
Vel Total (m/s)	1.85	Avg. Vel. (m/s)	1.13	2.60	0.90
Max Chl Dpth (m)	2.47	Hydr. Depth (m)	0.84	2.09	0.66
Conv. Total (m3/s)	755.7	Conv. (m3/s)	170.5	541.6	43.5
Length Wtd. (m)	5.01	Wetted Per. (m)	9.33	5.64	4.20
Min Ch El (m)	135.00	Shear (N/m2)	21.21	48.27	15.08
Alpha	1.51	Stream Power (N/m s)	23.90	125.49	13.54
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	2.30	1.77	1.15
C & E Loss (m)	0.00	Cum SA (1000 m2)	2.21	0.68	2.19

Plan: Plan3 Carrejo Carrejo RS: 29 Profile: PF 1

E.G. Elev (m)	137.72	Element	Left OB	Channel	Right OB
Vel Head (m)	0.28	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.44	Reach Len. (m)	5.03	5.00	5.00
Crit W.S. (m)	137.06	Flow Area (m2)	7.56	10.17	2.87
E.G. Slope (m/m)	0.002739	Area (m2)	7.56	10.17	2.87
Q Total (m3/s)	38.60	Flow (m3/s)	8.55	27.24	2.81
Top Width (m)	18.10	Top Width (m)	9.25	4.75	4.10
Vel Total (m/s)	1.87	Avg. Vel. (m/s)	1.13	2.68	0.98
Max Chl Dpth (m)	2.48	Hydr. Depth (m)	0.82	2.14	0.70
Conv. Total (m3/s)	737.5	Conv. (m3/s)	163.4	520.4	53.7
Length Wtd. (m)	5.01	Wetted Per. (m)	9.39	5.35	4.44
Min Ch El (m)	134.97	Shear (N/m2)	21.62	51.09	17.37
Alpha	1.54	Stream Power (N/m s)	24.48	136.84	17.00
Frctn Loss (m)	0.02	Cum Volume (1000 m3)	2.27	1.72	1.14
C & E Loss (m)	0.01	Cum SA (1000 m2)	2.17	0.65	2.17

Plan: Plan3 Carrejo Carrejo RS: 28 Profile: PF 1

E.G. Elev (m)	137.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.43	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.26	Reach Len. (m)	5.38	5.00	4.02
Crit W.S. (m)	137.11	Flow Area (m2)	6.39	8.97	0.98
E.G. Slope (m/m)	0.004550	Area (m2)	6.39	8.97	0.98
Q Total (m3/s)	38.60	Flow (m3/s)	8.75	29.09	0.76
Top Width (m)	15.63	Top Width (m)	8.61	4.36	2.66
Vel Total (m/s)	2.36	Avg. Vel. (m/s)	1.37	3.24	0.77
Max Chl Dpth (m)	2.36	Hydr. Depth (m)	0.74	2.06	0.37
Conv. Total (m3/s)	572.2	Conv. (m3/s)	129.8	431.2	11.2
Length Wtd. (m)	5.06	Wetted Per. (m)	8.72	5.18	3.16
Min Ch El (m)	134.90	Shear (N/m2)	32.69	77.26	13.85
Alpha	1.50	Stream Power (N/m s)	44.80	250.50	10.71
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	2.23	1.67	1.13
C & E Loss (m)	0.07	Cum SA (1000 m2)	2.12	0.63	2.15

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Plan: Plan3 Carrejo Carrejo RS: 27 Profile: PF 1

E.G. Elev (m)	137.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.40	Reach Len. (m)	6.12	5.00	4.18
Crit W.S. (m)	136.86	Flow Area (m2)	9.72	12.36	1.96
E.G. Slope (m/m)	0.001878	Area (m2)	9.72	12.36	1.96
Q Total (m3/s)	38.60	Flow (m3/s)	9.26	27.91	1.43
Top Width (m)	23.23	Top Width (m)	11.65	5.84	5.74
Vel Total (m/s)	1.61	Avg. Vel. (m/s)	0.95	2.26	0.73
Max Chl Dpth (m)	2.57	Hydr. Depth (m)	0.83	2.12	0.34
Conv. Total (m3/s)	890.6	Conv. (m3/s)	213.7	644.0	32.9
Length Wtd. (m)	5.34	Wetted Per. (m)	11.79	6.33	6.10
Min Ch El (m)	134.84	Shear (N/m2)	15.19	35.98	5.92
Alpha	1.52	Stream Power (N/m s)	14.47	81.24	4.31
Frctn Loss (m)	0.01	Cum Volume (1000 m3)	2.19	1.62	1.13
C & E Loss (m)	0.04	Cum SA (1000 m2)	2.07	0.60	2.13

Plan: Plan3 Carrejo Carrejo RS: 26 Profile: PF 1

E.G. Elev (m)	137.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.48	Reach Len. (m)	5.41	5.00	4.56
Crit W.S. (m)	136.77	Flow Area (m2)	21.06	13.73	2.67
E.G. Slope (m/m)	0.000806	Area (m2)	21.06	13.73	2.67
Q Total (m3/s)	38.60	Flow (m3/s)	16.26	21.24	1.10
Top Width (m)	29.93	Top Width (m)	18.29	6.03	5.62
Vel Total (m/s)	1.03	Avg. Vel. (m/s)	0.77	1.55	0.41
Max Chl Dpth (m)	2.69	Hydr. Depth (m)	1.15	2.28	0.47
Conv. Total (m3/s)	1359.6	Conv. (m3/s)	572.7	748.0	38.9
Length Wtd. (m)	5.17	Wetted Per. (m)	18.56	6.58	5.98
Min Ch El (m)	134.79	Shear (N/m2)	8.97	16.51	3.52
Alpha	1.48	Stream Power (N/m s)	6.92	25.53	1.46
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	2.09	1.55	1.12
C & E Loss (m)	0.01	Cum SA (1000 m2)	1.98	0.57	2.11

Plan: Plan3 Carrejo Carrejo RS: 25 Profile: PF 1

E.G. Elev (m)	137.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.50	Reach Len. (m)	5.02	5.00	5.02
Crit W.S. (m)	136.70	Flow Area (m2)	28.39	14.42	2.44
E.G. Slope (m/m)	0.000542	Area (m2)	28.39	14.42	2.44
Q Total (m3/s)	38.60	Flow (m3/s)	18.63	18.81	1.15
Top Width (m)	32.26	Top Width (m)	23.43	6.04	2.80
Vel Total (m/s)	0.85	Avg. Vel. (m/s)	0.66	1.30	0.47
Max Chl Dpth (m)	2.75	Hydr. Depth (m)	1.21	2.39	0.87
Conv. Total (m3/s)	1658.5	Conv. (m3/s)	800.6	808.4	49.5
Length Wtd. (m)	5.01	Wetted Per. (m)	23.69	6.61	3.34
Min Ch El (m)	134.74	Shear (N/m2)	6.37	11.59	3.88
Alpha	1.44	Stream Power (N/m s)	4.18	15.11	1.83
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	1.96	1.48	1.10
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.86	0.54	2.09

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Plan: Plan3 Carrejo Carrejo RS: 24 Profile: PF 1

E.G. Elev (m)	137.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.50	Reach Len. (m)	4.47	5.00	5.84
Crit W.S. (m)	136.62	Flow Area (m2)	34.09	15.14	2.12
E.G. Slope (m/m)	0.000411	Area (m2)	34.09	15.14	2.12
Q Total (m3/s)	38.60	Flow (m3/s)	20.10	17.69	0.81
Top Width (m)	35.76	Top Width (m)	26.92	6.16	2.68
Vel Total (m/s)	0.75	Avg. Vel. (m/s)	0.59	1.17	0.38
Max Chl Dpth (m)	2.80	Hydr. Depth (m)	1.27	2.46	0.79
Conv. Total (m3/s)	1902.9	Conv. (m3/s)	991.1	872.1	39.7
Length Wtd. (m)	4.73	Wetted Per. (m)	27.18	6.66	3.25
Min Ch El (m)	134.70	Shear (N/m2)	5.06	9.17	2.63
Alpha	1.43	Stream Power (N/m s)	2.98	10.71	1.00
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	1.80	1.41	1.09
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.74	0.51	2.08

Plan: Plan3 Carrejo Carrejo RS: 23 Profile: PF 1

E.G. Elev (m)	137.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.51	Reach Len. (m)	3.96	5.00	5.60
Crit W.S. (m)		Flow Area (m2)	38.01	13.59	4.34
E.G. Slope (m/m)	0.000392	Area (m2)	38.01	13.59	4.34
Q Total (m3/s)	38.60	Flow (m3/s)	22.39	15.35	0.86
Top Width (m)	49.80	Top Width (m)	29.02	5.15	15.63
Vel Total (m/s)	0.69	Avg. Vel. (m/s)	0.59	1.13	0.20
Max Chl Dpth (m)	2.93	Hydr. Depth (m)	1.31	2.64	0.28
Conv. Total (m3/s)	1949.6	Conv. (m3/s)	1130.7	775.3	43.5
Length Wtd. (m)	4.41	Wetted Per. (m)	29.28	6.07	17.04
Min Ch El (m)	134.58	Shear (N/m2)	4.99	8.60	0.98
Alpha	1.49	Stream Power (N/m s)	2.94	9.72	0.19
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	1.64	1.34	1.07
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.61	0.49	2.02

Plan: Plan3 Carrejo Carrejo RS: 22 Profile: PF 1

E.G. Elev (m)	137.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.51	Reach Len. (m)	4.42	5.00	5.41
Crit W.S. (m)		Flow Area (m2)	41.18	13.32	5.58
E.G. Slope (m/m)	0.000338	Area (m2)	41.18	13.32	5.58
Q Total (m3/s)	38.60	Flow (m3/s)	22.78	14.46	1.36
Top Width (m)	49.06	Top Width (m)	30.99	4.83	13.24
Vel Total (m/s)	0.64	Avg. Vel. (m/s)	0.55	1.09	0.24
Max Chl Dpth (m)	3.15	Hydr. Depth (m)	1.33	2.76	0.42
Conv. Total (m3/s)	2098.9	Conv. (m3/s)	1238.5	786.5	73.9
Length Wtd. (m)	4.67	Wetted Per. (m)	31.20	5.65	14.46
Min Ch El (m)	134.36	Shear (N/m2)	4.38	7.82	1.28
Alpha	1.51	Stream Power (N/m s)	2.42	8.50	0.31
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	1.48	1.27	1.05
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.49	0.46	1.94

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Plan: Plan3 Carrejo Carrejo RS: 21 Profile: PF 1

E.G. Elev (m)	137.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.51	Reach Len. (m)	4.61	5.00	5.36
Crit W.S. (m)		Flow Area (m2)	41.85	11.86	7.96
E.G. Slope (m/m)	0.000354	Area (m2)	41.85	11.86	7.96
Q Total (m3/s)	38.60	Flow (m3/s)	23.58	12.77	2.26
Top Width (m)	51.83	Top Width (m)	31.76	4.25	15.82
Vel Total (m/s)	0.63	Avg. Vel. (m/s)	0.56	1.08	0.28
Max Chl Dpth (m)	3.25	Hydr. Depth (m)	1.32	2.79	0.50
Conv. Total (m3/s)	2051.7	Conv. (m3/s)	1253.1	678.5	120.1
Length Wtd. (m)	4.78	Wetted Per. (m)	31.92	5.27	16.97
Min Ch El (m)	134.26	Shear (N/m2)	4.55	7.81	1.63
Alpha	1.49	Stream Power (N/m s)	2.56	8.41	0.46
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	1.30	1.21	1.01
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.36	0.44	1.86

Plan: Plan3 Carrejo Carrejo RS: 20 Profile: PF 1

E.G. Elev (m)	137.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.50	Reach Len. (m)	4.49	5.00	5.40
Crit W.S. (m)		Flow Area (m2)	38.80	11.09	7.75
E.G. Slope (m/m)	0.000453	Area (m2)	38.80	11.09	7.75
Q Total (m3/s)	38.60	Flow (m3/s)	23.55	12.81	2.24
Top Width (m)	53.40	Top Width (m)	31.68	3.76	17.97
Vel Total (m/s)	0.67	Avg. Vel. (m/s)	0.61	1.16	0.29
Max Chl Dpth (m)	3.28	Hydr. Depth (m)	1.23	2.95	0.43
Conv. Total (m3/s)	1814.1	Conv. (m3/s)	1106.7	602.1	105.3
Length Wtd. (m)	4.72	Wetted Per. (m)	31.85	5.33	19.32
Min Ch El (m)	134.22	Shear (N/m2)	5.41	9.23	1.78
Alpha	1.50	Stream Power (N/m s)	3.28	10.67	0.52
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	1.12	1.15	0.97
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.21	0.42	1.77

Plan: Plan3 Carrejo Carrejo RS: 19 Profile: PF 1

E.G. Elev (m)	137.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.	0.040	0.030	0.040
W.S. Elev (m)	137.49	Reach Len. (m)	5.00	5.00	5.00
Crit W.S. (m)		Flow Area (m2)	33.84	10.34	8.46
E.G. Slope (m/m)	0.000606	Area (m2)	33.84	10.34	8.46
Q Total (m3/s)	38.60	Flow (m3/s)	22.12	13.80	2.68
Top Width (m)	55.62	Top Width (m)	30.80	3.68	21.13
Vel Total (m/s)	0.73	Avg. Vel. (m/s)	0.65	1.33	0.32
Max Chl Dpth (m)	3.15	Hydr. Depth (m)	1.10	2.81	0.40
Conv. Total (m3/s)	1567.6	Conv. (m3/s)	898.2	560.5	108.9
Length Wtd. (m)	5.00	Wetted Per. (m)	30.92	4.99	22.91
Min Ch El (m)	134.34	Shear (N/m2)	6.51	12.33	2.20
Alpha	1.65	Stream Power (N/m s)	4.25	16.46	0.70
Frctn Loss (m)	0.00	Cum Volume (1000 m3)	0.95	1.10	0.92
C & E Loss (m)	0.00	Cum SA (1000 m2)	1.07	0.40	1.67