

LAMPINO WIND S.r.l.

Corso Venezia 37 – 20121 Milano (MI)

PROGETTO DEFINITIVO PER LA REALIZZAZIONE DI UN PARCO EOLICO NEL COMUNE DI ORTANOVA (FG) IN LOCALITA' "LAMPINO"



Tecnico

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**AZIENDA CON SISTEMA GESTIONE
UNI EN ISO 9001:2015
UNI EN ISO 14001:2015
OHSAS 18001:2007
CERTIFICATO DA CERTIQUALITY**

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V23		RELAZIONE IDRAULICA	19046	P	
			CODICE ELABORATO		
			DC19046D-V23		
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REV	DATA	MODIFICA	Elaborato	Controllato	Approvato
00	29/06/19	Emissione	Staffieri	Miglionico	Pomponio
01					
02					
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05					
06					

Elaborato realizzato con sistema WORD. È vietata la modifica manuale.

Mod. P-19 Rev. 2 22.08.18



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1.PREMESSA

La presente relazione tecnica è relativa alla redazione del progetto per la realizzazione di un parco eolico proposto dalla società **LAMPINO WIND s.r.l.** con sede legale in Milano, Corso Venezia 37.

La proposta progettuale è finalizzata alla realizzazione di un impianto eolico per la produzione di energia elettrica da fonte rinnovabile eolica, costituito da 19 aerogeneratori, ciascuno di potenza nominale pari a 4,2 MW per una potenza complessiva di 79,80 MW, da realizzarsi nella Provincia di Foggia, nel territorio comunale di Ortanova, mentre parte delle opere di connessione e la Sottostazione Elettrica ricadono nel territorio di Stornara.

Le turbine di progetto ricadono in località “Lampino”. L’area di progetto, intesa sia come quella occupata dai 19 aerogeneratori di progetto, con annesso piazzole e relativi cavidotti di interconnessione interna, e una parte del cavidotto esterno, interessa il territorio comunale di Ortanova, e sono censiti al NCT ai fogli di mappa nn. 2, 3, 4, 5, 7, e 32, mentre parte dell’elettrodotto esterno e la sottostazione ricade nel territorio comunale di Stornara, e sono censiti nel NCT ai fogli di mappa n. 4.

La relazione idraulica è redatta in conformità ai criteri dettati dall’Autorità di Bacino della Regione Puglia, istituita con L. R. n. 19 del 9 dicembre 2002, la quale ha approvato il Piano di Bacino per l’Assetto Idrogeologico (PAI), di cui alla Legge 183/89, il 30 novembre 2005.

Sulla base dello studio idrologico riportato nell’elaborato **V22** in allegato, che ha portato alla definizione delle portate di piena transitori nei canali, per un tempo di ritorno di 200 anni, è stato condotto uno studio idraulico consistente nella modellazione e valutazione idraulica della rete idrografica potenzialmente soggette a criticità, ed il tutto è stato svolto in condizioni di moto stazionario. Per lo svolgimento della modellazione idraulica è stato utilizzato il software HEC-RAS River Analysis System.

Dai risultati dell’analisi monodimensionale si osserva come gli alvei attualmente esistenti risultano adeguati al trasporto della portata avente tempo di ritorno 200 anni.

Dall’analisi emerge come l’esondazione non interessa gli aerogeneratori. Una parte dei cavidotti interni è invece interessata da esondazione, in particolare:

- il cavidotto nei pressi dell’aerogeneratore n.3 sito in corrispondenza della confluenza tra “Canale Trionfo” ed” Affluente Canale Trionfo”
- il cavidotto nei pressi degli aerogeneratori n.6, n.7, n.8 in corrispondenza dell’intersezione del cavidotto con il “Canale la Pidocchiosa”, dove è situato un ponte (Foto “F3.1”, Figura 2), di cui si è tenuto conto nella modellazione mediante il software HEC- RAS.

Pertanto, la posa in opera dei cavidotti verrà realizzata con particolare attenzione attraverso una

perforazione teleguidata (Trivellazione Orizzontale Teleguidata” T.O.C.) fino ad una profondità pari a 2 metri al di sotto del fondo alveo.

2. METODOLOGIA APPLICATA PER LE MODELLAZIONI E VALUTAZIONI IDRAULICHE

Come innanzi accennato, la modellazione e valutazione idraulica dell’asta interessata dal presente studio, sono state condotte con il software HEC – RAS River Analysis System, dell’US Army Corps of Engineers, Hydrologic Engineering Center.

Sono stati effettuati gli studi modellando le situazioni attualmente esistenti ritenute valida anche per lo stato futuro non essendo previste opere di sistemazione dei corsi d'acqua. Per ciascuno studio il lavoro è stato articolato nelle seguenti fasi:

- Inserimento dei dati della geometria;
- Inserimento dei dati della portata;
- Svolgimento dei calcoli idraulici;
- Controllo dei risultati, conseguente integrazione dei dati di input ove necessario, correzione di questi ultimi e, ricalcolo del modello.

La prima fase, inserimento dati geometrici, ha riguardato innanzitutto il disegno dell’asta in esame tramite l’inserimento delle coordinate dei vertici. Si è quindi passati all’inserimento dei dati delle sezioni trasversali, con numerazione crescente da valle verso monte. Per le varie sezioni sono stati inseriti tutti i dati necessari al programma per l’elaborazione del modello. Per i coefficienti di Manning’s si è tenuto conto di una situazione abbastanza sfavorevole.

Non è stato necessario inserire le aree a flusso nullo (Ineffective Flow Areas), finalizzate a poter definire aree, all’interno delle sezioni trasversali, che contengono acqua non attivamente convogliata, quindi zone in cui l’acqua “ristagna” e quindi la sua velocità, nella direzione del flusso, è relativamente bassa. Non sono stati inseriti nel modello ponti e sottopassi. Terminato l’inserimento dei dati geometrici si è passati alla definizione dei dati relativi al moto permanente. È stato scelto un unico profilo da calcolare, quello relativo ad un tempo di ritorno di 200 anni, corrispondente al valore di portata ottenuto dallo studio idrologico. Il passaggio successivo è quello che riguarda le condizioni al contorno. Queste sono necessarie per stabilire il livello del pelo libero dell’acqua all’estremità del sistema (A monte e/o a valle). In un regime di corrente lenta, la condizione al contorno necessaria è quella di valle (Non risente di ciò che accade a monte), in caso di corrente veloce la condizione necessaria quella di monte (Non risente di ciò che accade a valle). Se invece viene effettuato il caso in regime di flusso misto, come nel nostro caso, allora le condizioni al contorno devono essere immesse per entrambe le estremità del sistema.

In particolare, in assenza di confluenze con altri tratti, si è considerata l'altezza critica, in questo caso non è necessario immettere nessuna ulteriore informazione, il programma calcolerà automaticamente l'altezza critica per ogni profilo e la userà come condizione al contorno. In presenza di confluenze con altri tratti, la condizione al contorno è rappresentata dall'inserimento delle "junction", ovvero elementi di connessione tra i tratti.

Per il calcolo del profilo di moto permanente è stata utilizzata l'opzione mixed. Per il calcolo delle perdite di carico (friction Slope methods) è stato scelto "average convenience" impostato come metodo di default per il moto permanente.

Effettuato il calcolo vengono visualizzati i risultati, sia in modo grafico che sotto forma tabellare, riportati in allegato alla presente relazione.

3. PLANIMETRIE CON INDICAZIONE DELLE AREE INTERESSATE DALLA PORTATA DUECENTENNALE E RILIEVI FOTOGRAFICI

Nel presente paragrafo si riportano i rilievi topografici con una rappresentazione planimetrica dei tratti investigati con le aree interessate dalla portata avente tempo di ritorno 200 anni. Tali mappe sono il risultato della modellazione in moto permanente condotta mediante il software HEC – RAS River Analysis System, dell'US Army Corps of Engineers, Hydrologic Engineering Center, riportate nella parte terminale del presente documento.

Dai risultati dell'analisi monodimensionale si osserva come gli alvei attualmente esistenti risultano adeguati al trasporto della portata avente tempo di ritorno 200 anni.

Dall'analisi emerge come l'esondazione non interessa gli aerogeneratori. Una parte dei cavidotti interni è invece interessata da esondazione, in particolare:

- il cavidotto nei pressi dell'aerogeneratore n.3 sito in corrispondenza della confluenza tra "Canale Trionfo" ed "Affluente Canale Trionfo"
- il cavidotto nei pressi degli aerogeneratori n.6, n.7, n.8 in corrispondenza dell'intersezione del cavidotto con il "Canale la Pidocchiosa", dove è situato un ponte (Foto "F3.1", Figura 2), di cui si è tenuto conto nella modellazione mediante il software HEC- RAS.

Pertanto, la posa in opera dei cavidotti verrà realizzata con particolare attenzione attraverso una perforazione teleguidata (Trivellazione Orizzontale Teleguidata" T.O.C.) fino ad una profondità pari a 2 metri al di sotto del fondo alveo.

Canale la Pidocchiosa

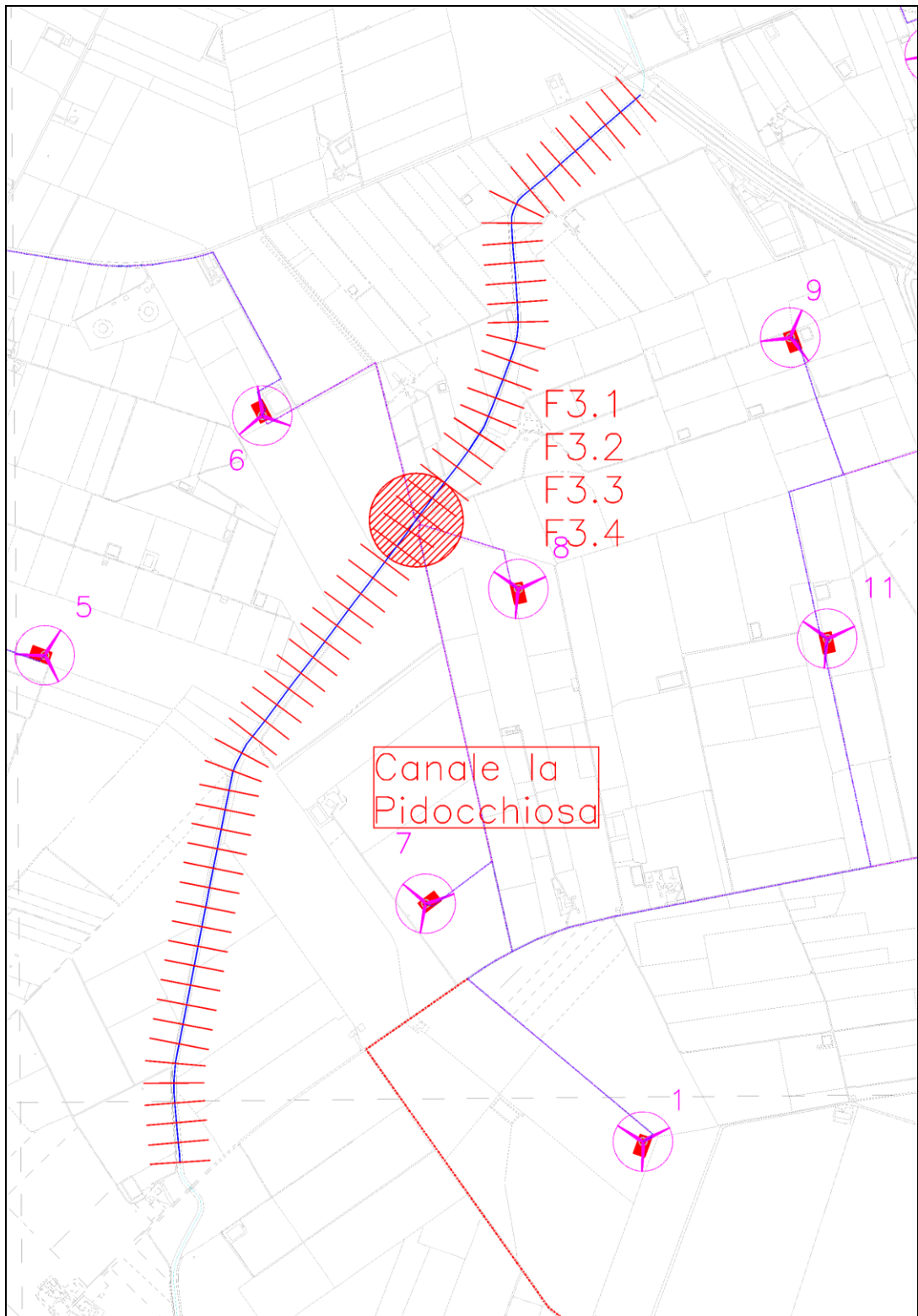


Figura 1. Indicazione dei punti fotografati



F3.1

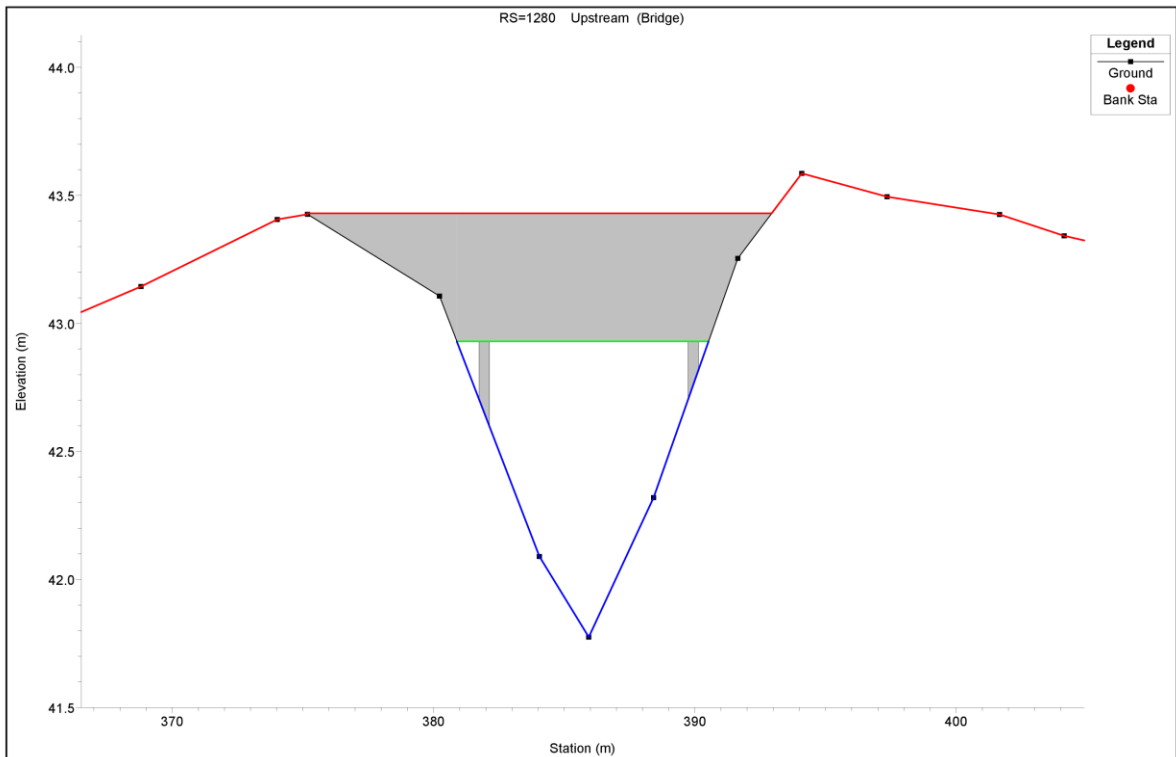


Figura 2. Modellazione in HEC-RAS del ponte



F3.2



F3.3



F3.4

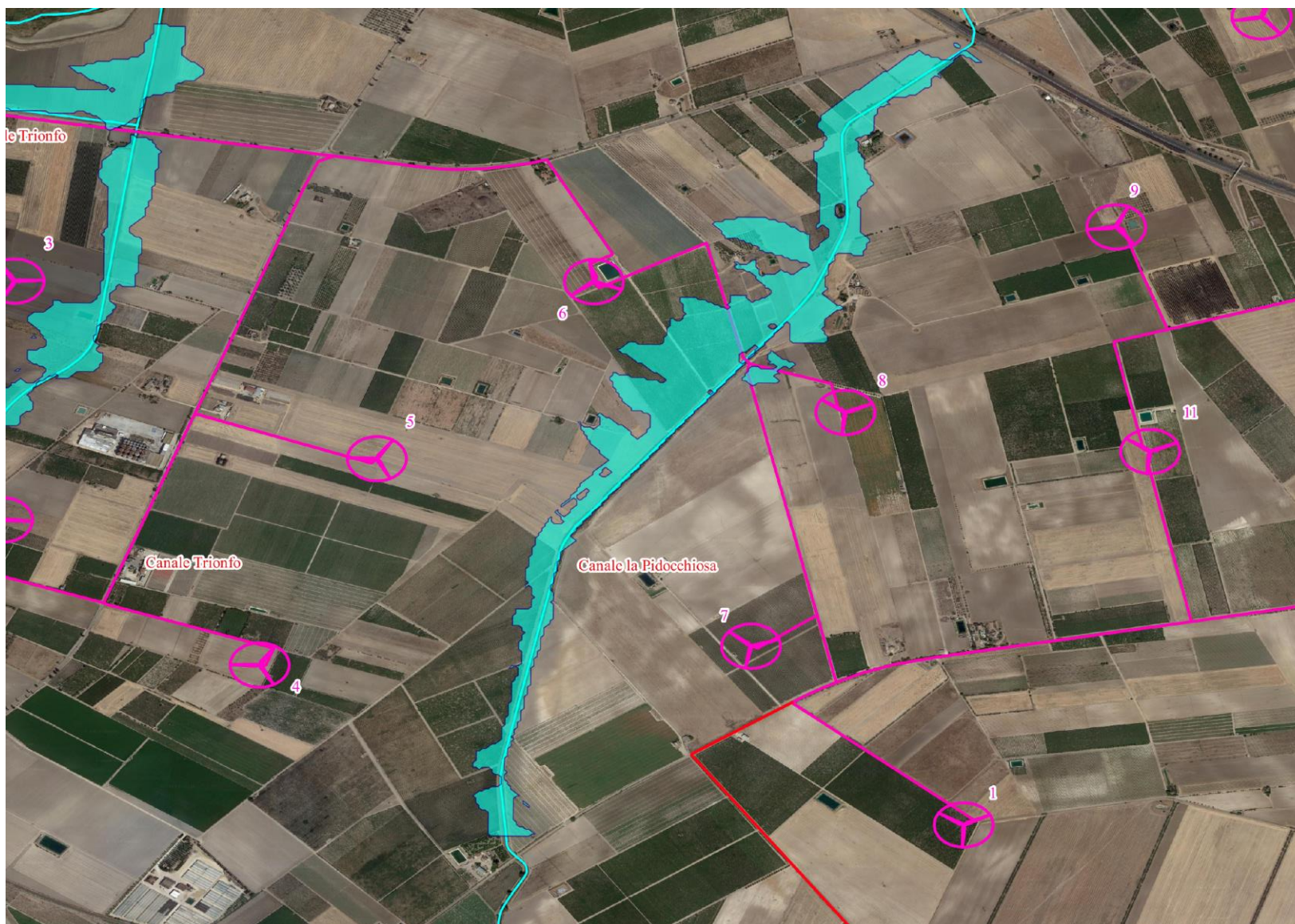


Figura 3. Planimetria con individuazione delle sezioni e delle aree potenzialmente interessate dalla portata avente $tr = 200$ anni

È vietato riprodurre o utilizzare il contenuto senza autorizzazione (art. 2575 c.c.)

Canale Trionfo e Affluente Canale Trionfo

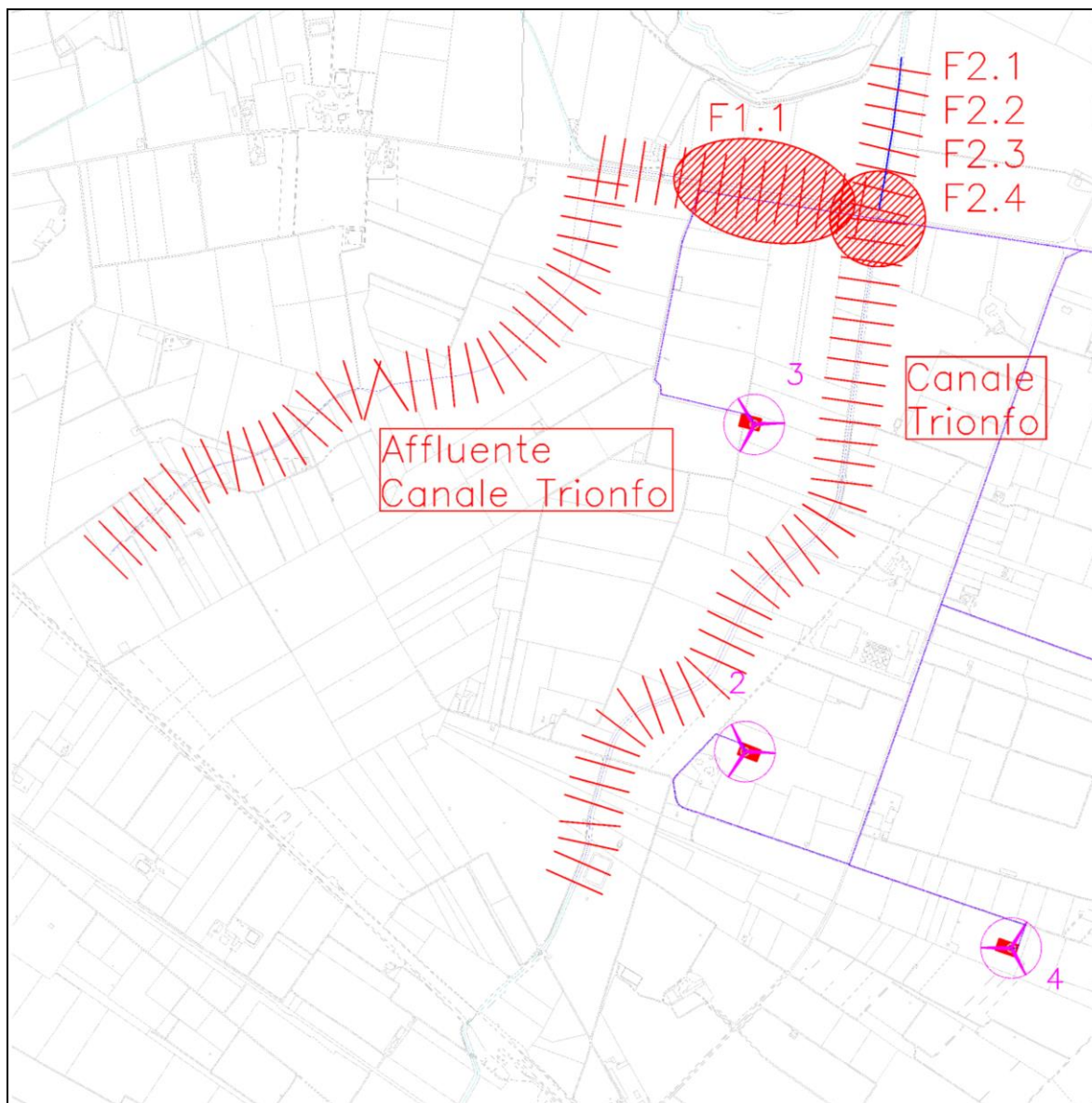


Figura 4. Indicazione dei punti fotografati



F1.1



F2.1



F2.2



F2.3



F2.4



Figura 5. Planimetria con individuazione delle sezioni e delle aree potenzialmente interessate dalla portata avente $tr = 200$ anni

4. CONCLUSIONI

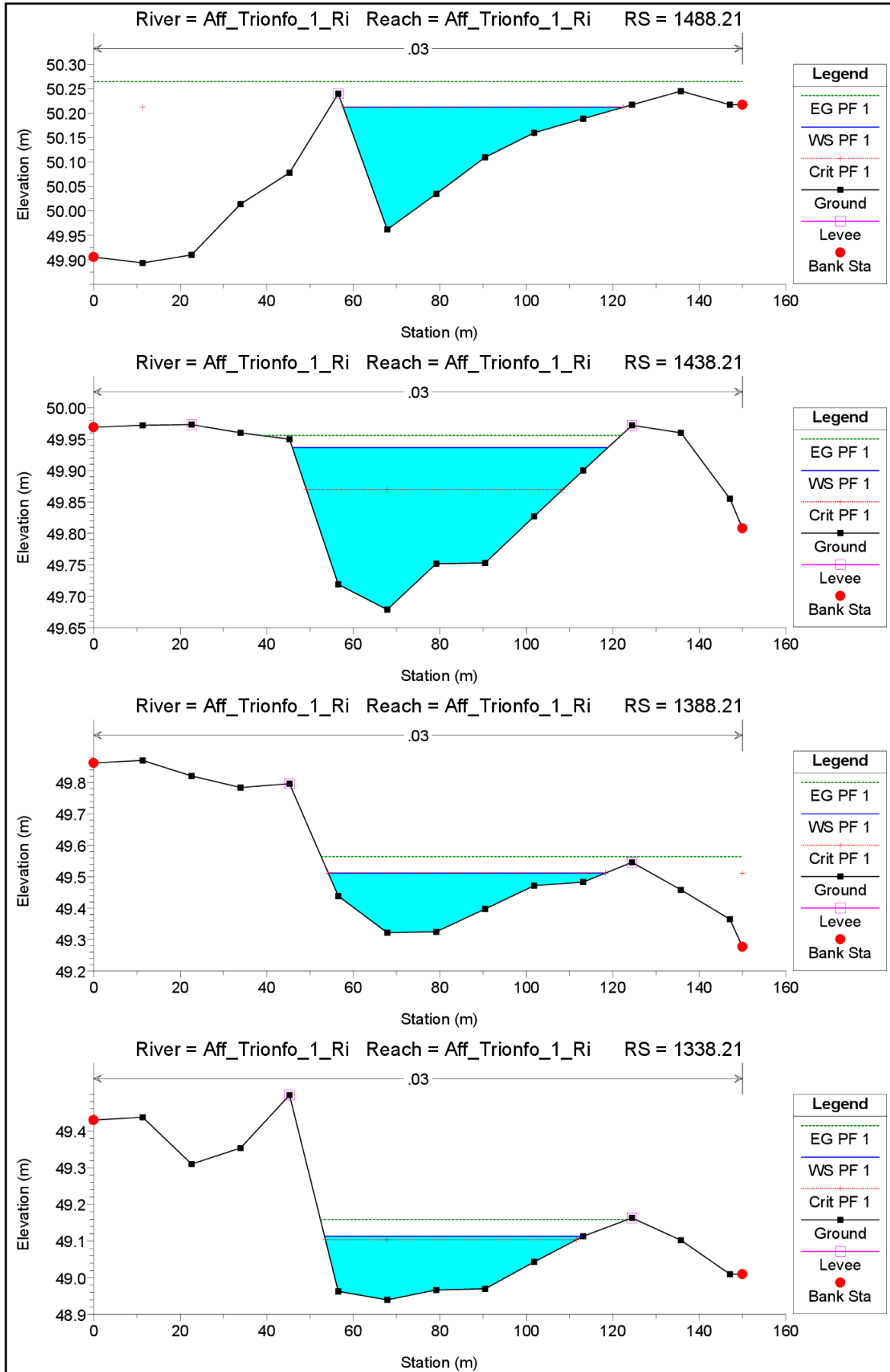
Sulla base dello studio idrologico riportato nell'elaborato **V22** in allegato, che ha portato alla definizione delle portate di piena transitanti nei canali, per un tempo di ritorno di 200 anni, è stato condotto uno studio idraulico consistente nella modellazione e valutazione idraulica della rete idrografica potenzialmente soggette a criticità, ed il tutto è stato svolto in condizioni di moto permanente. Per lo svolgimento della modellazione idraulica è stato utilizzato il software HEC-RAS River Analysis System. Dai risultati dell'analisi monodimensionale si osserva come gli alvei attualmente esistenti risultano adeguati al trasporto della portata avente tempo di ritorno 200 anni.

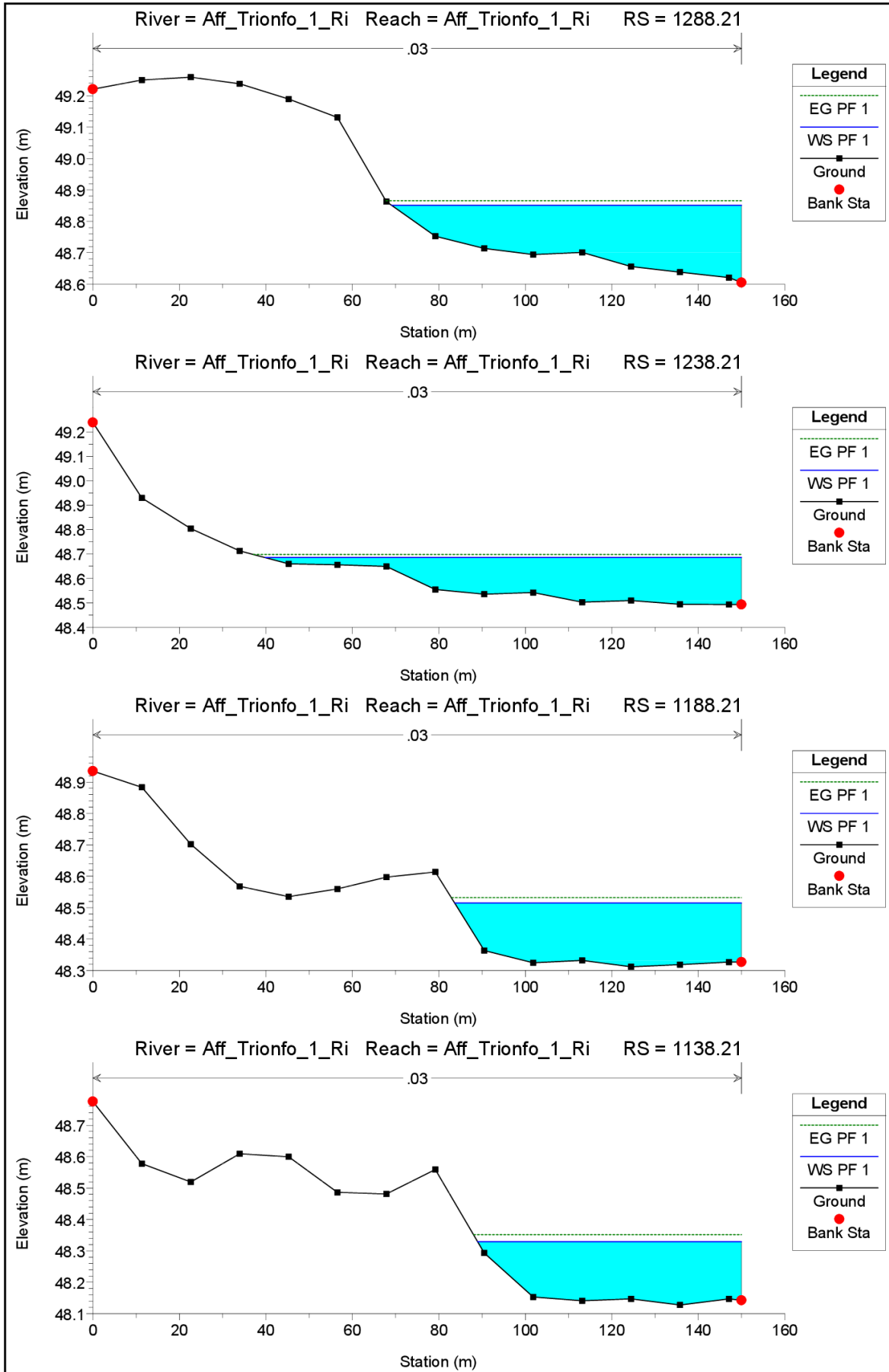
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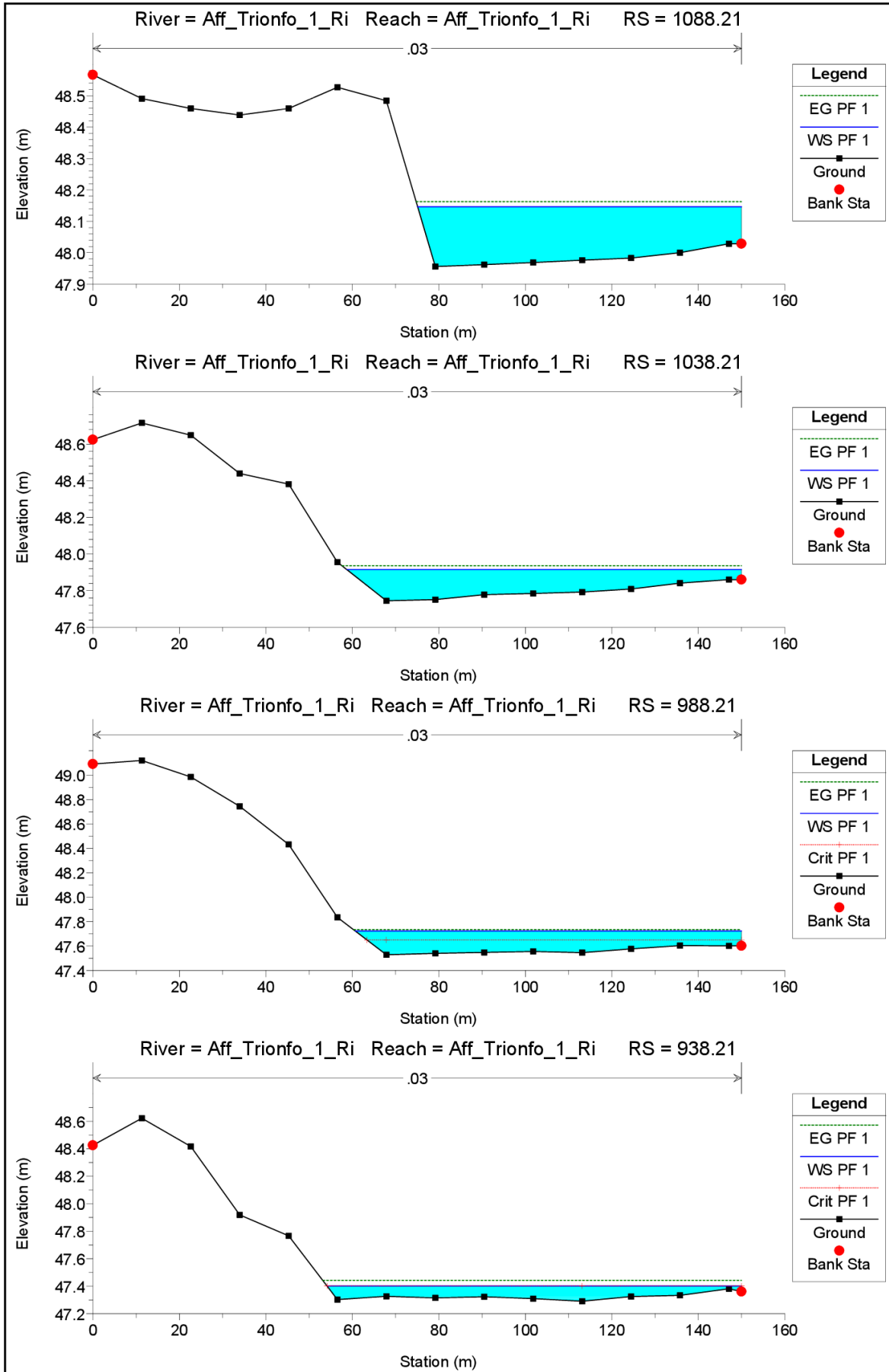
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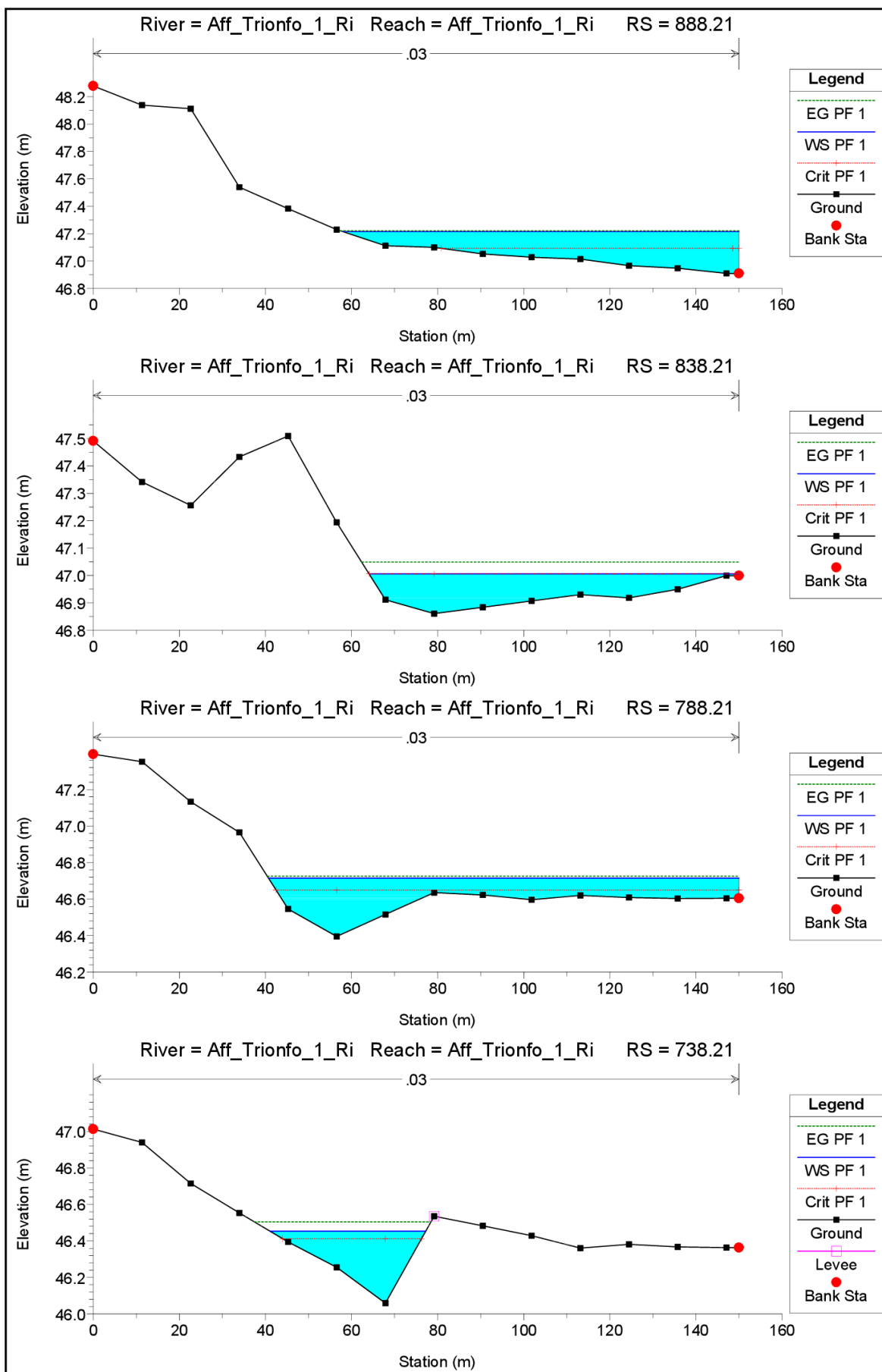
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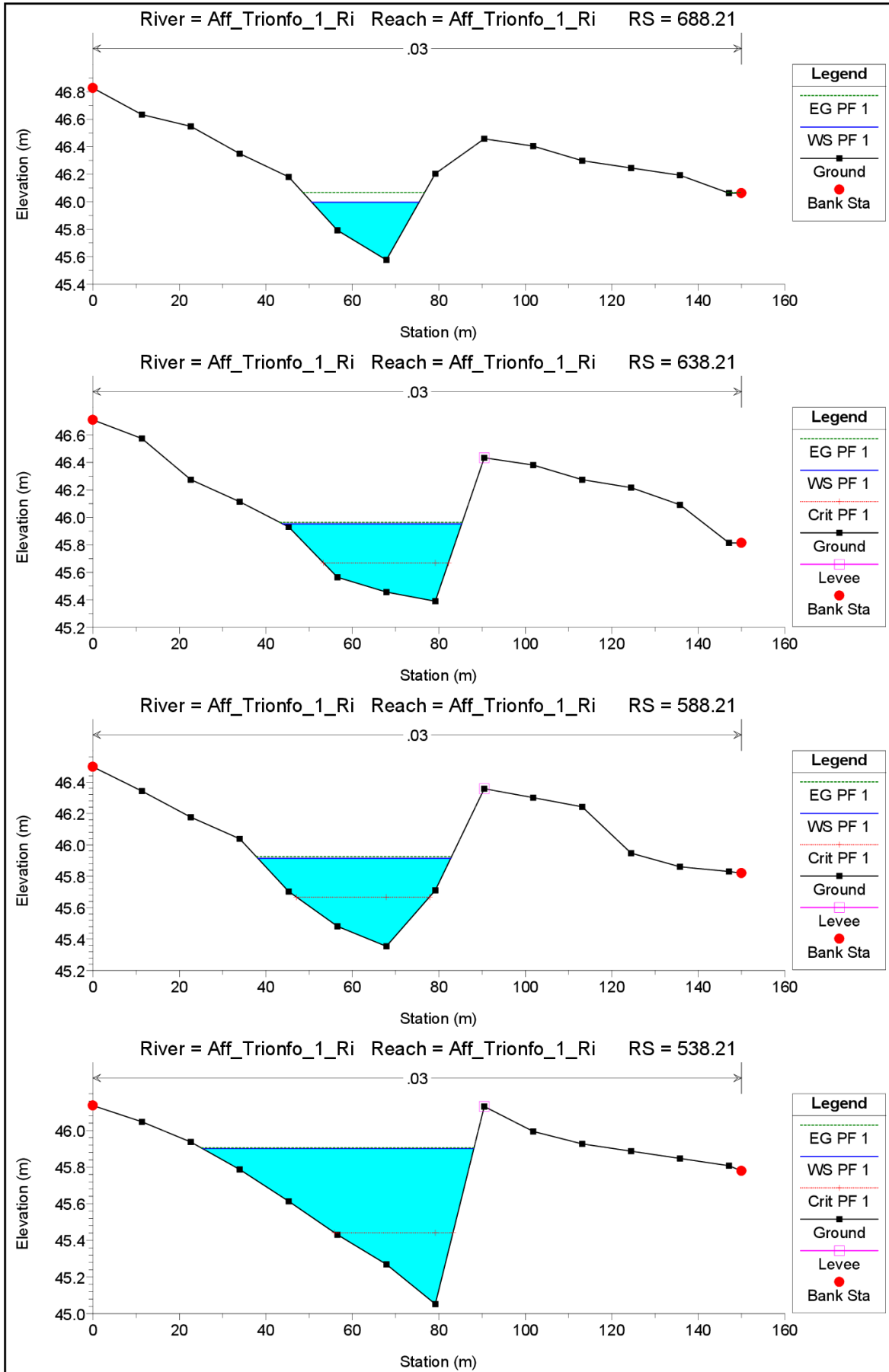
OUTPUT MODELLAZIONE MONODIMENSIONALE

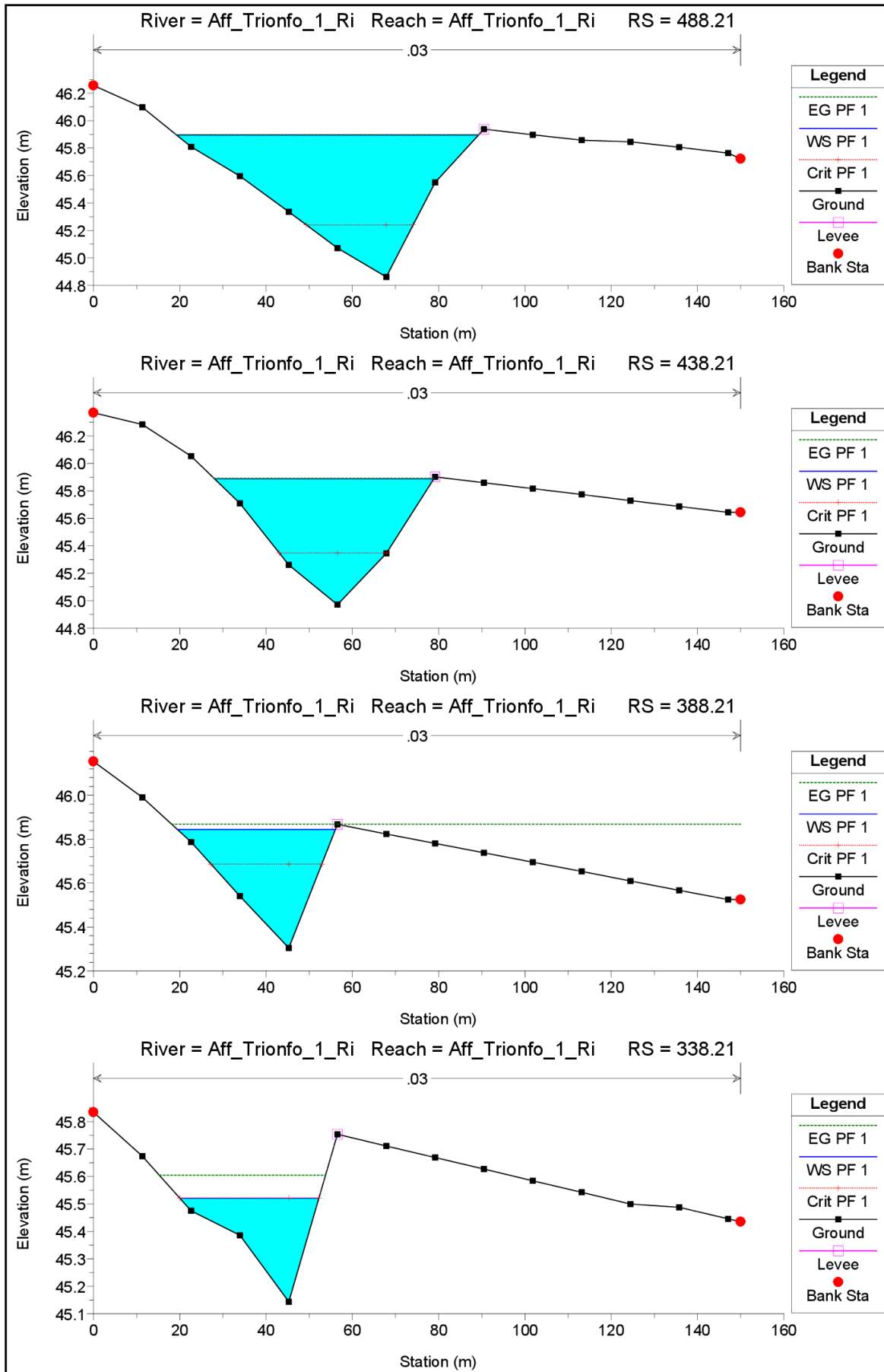


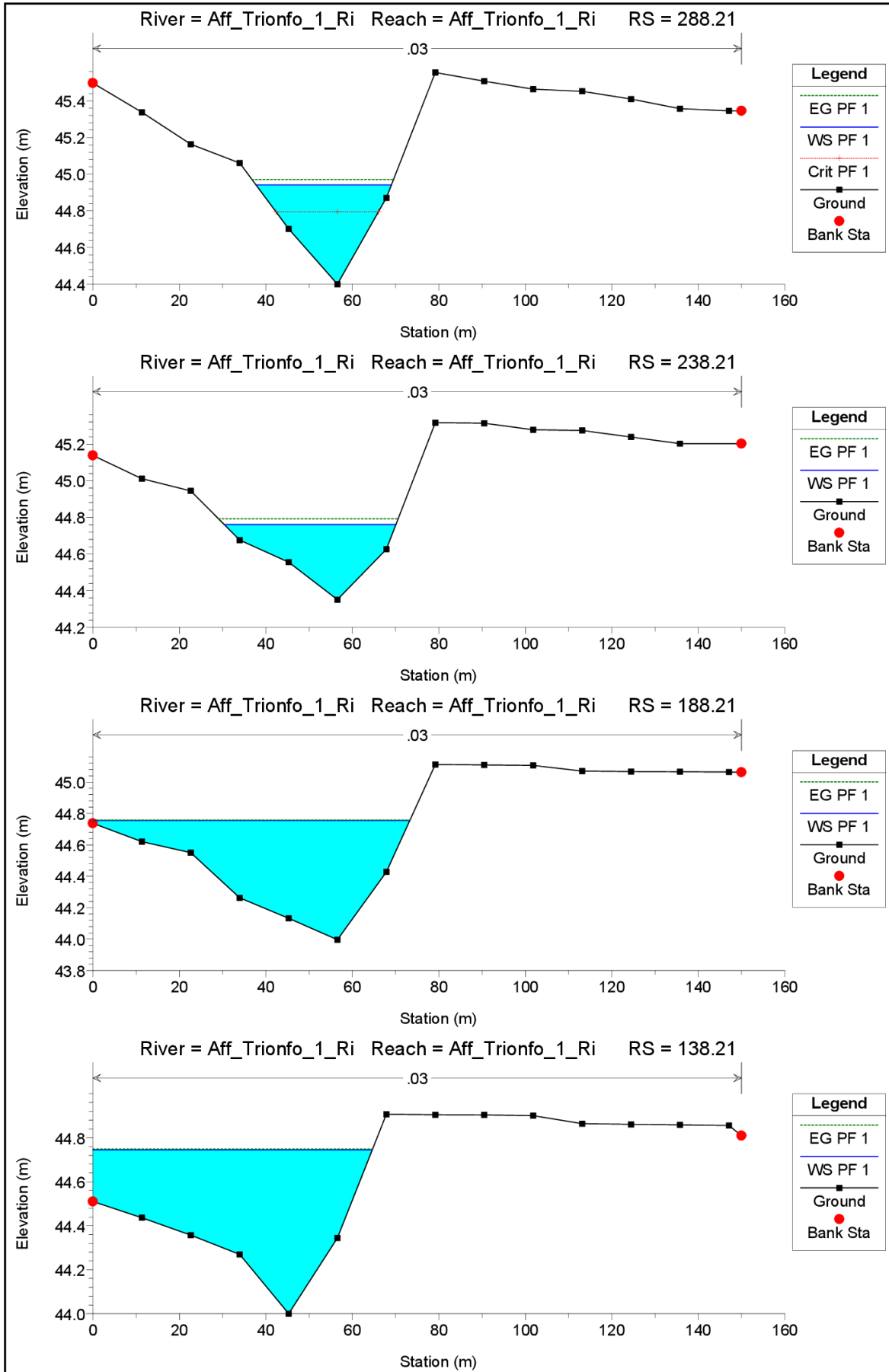


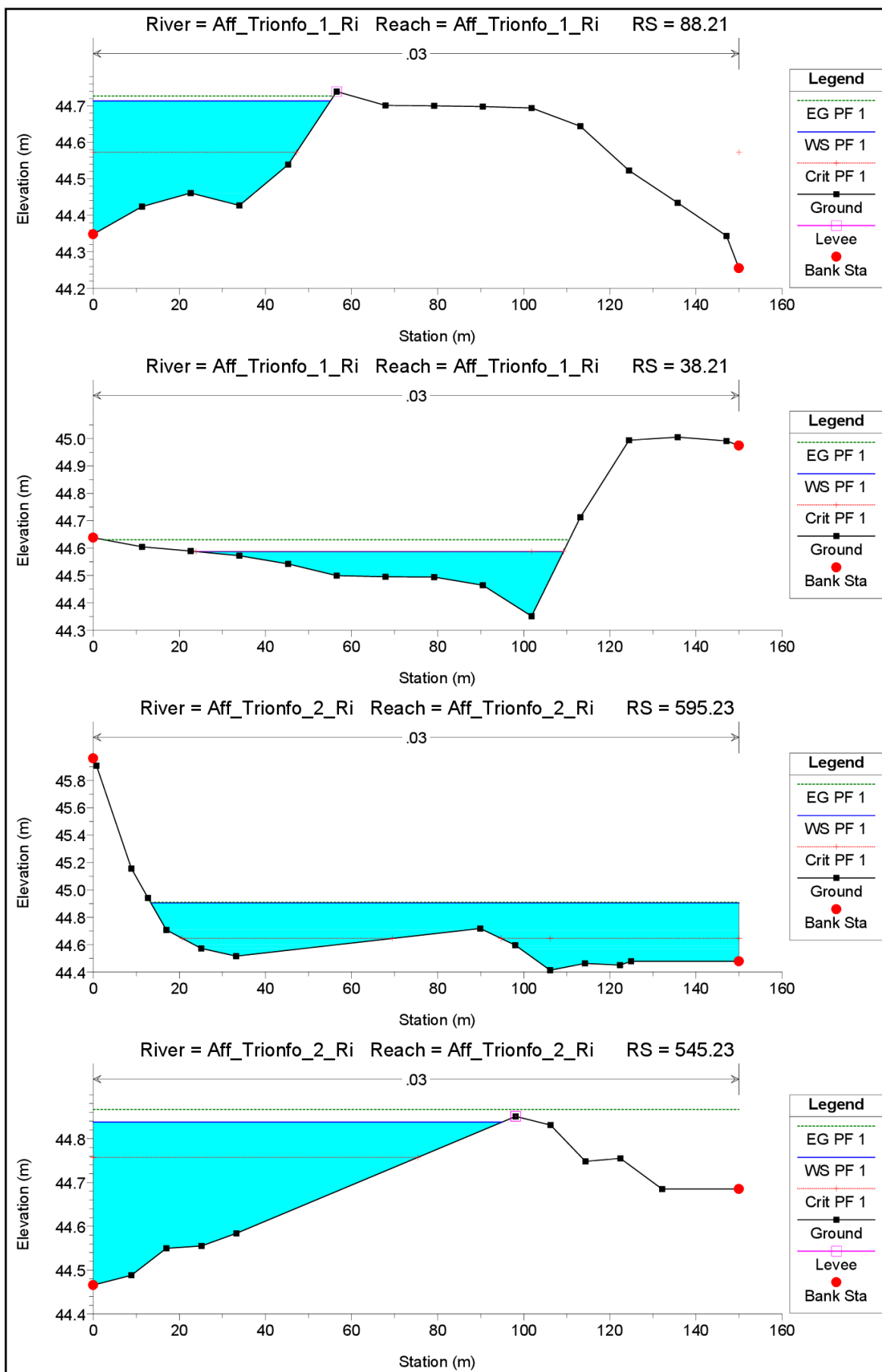


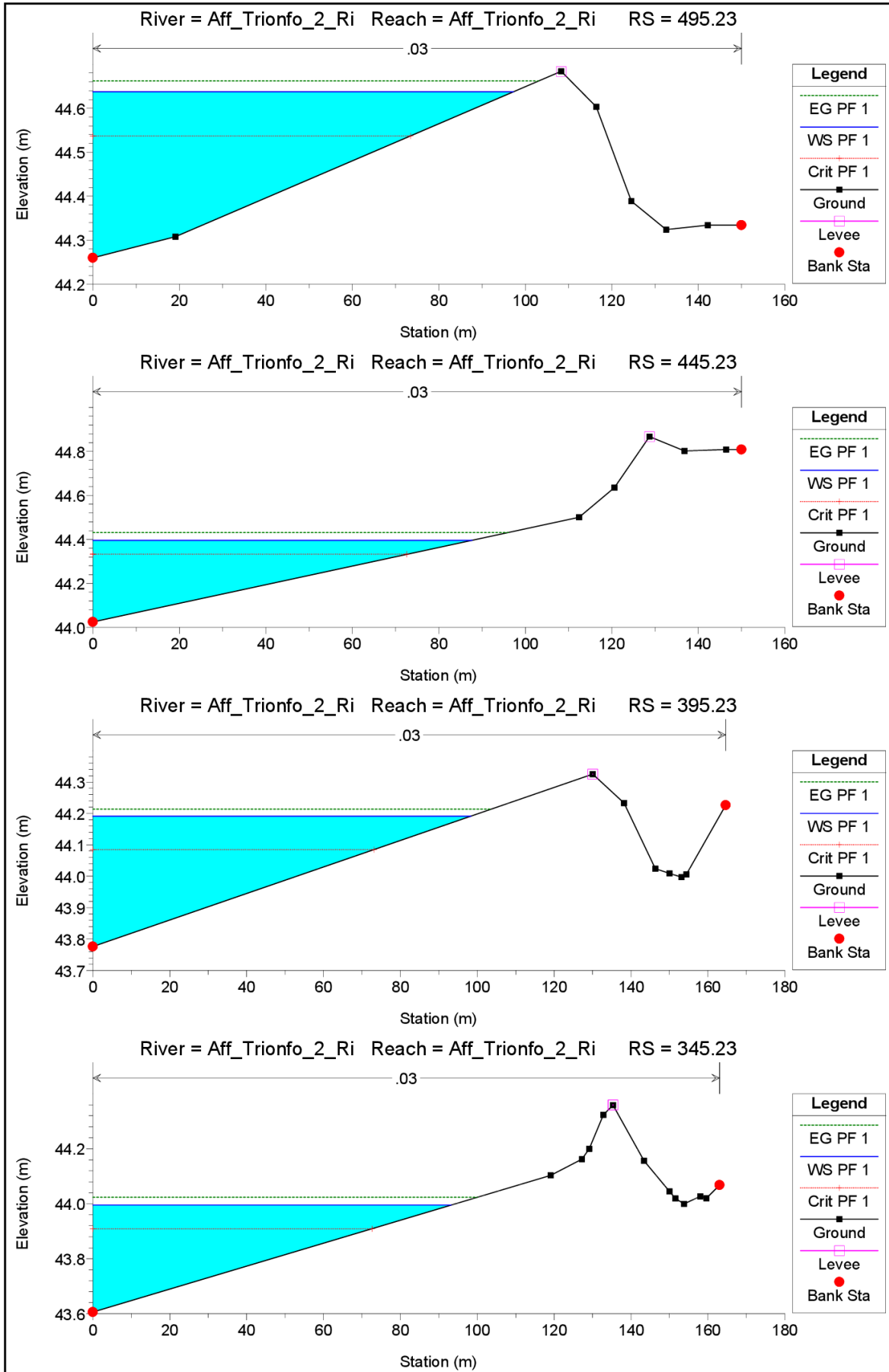


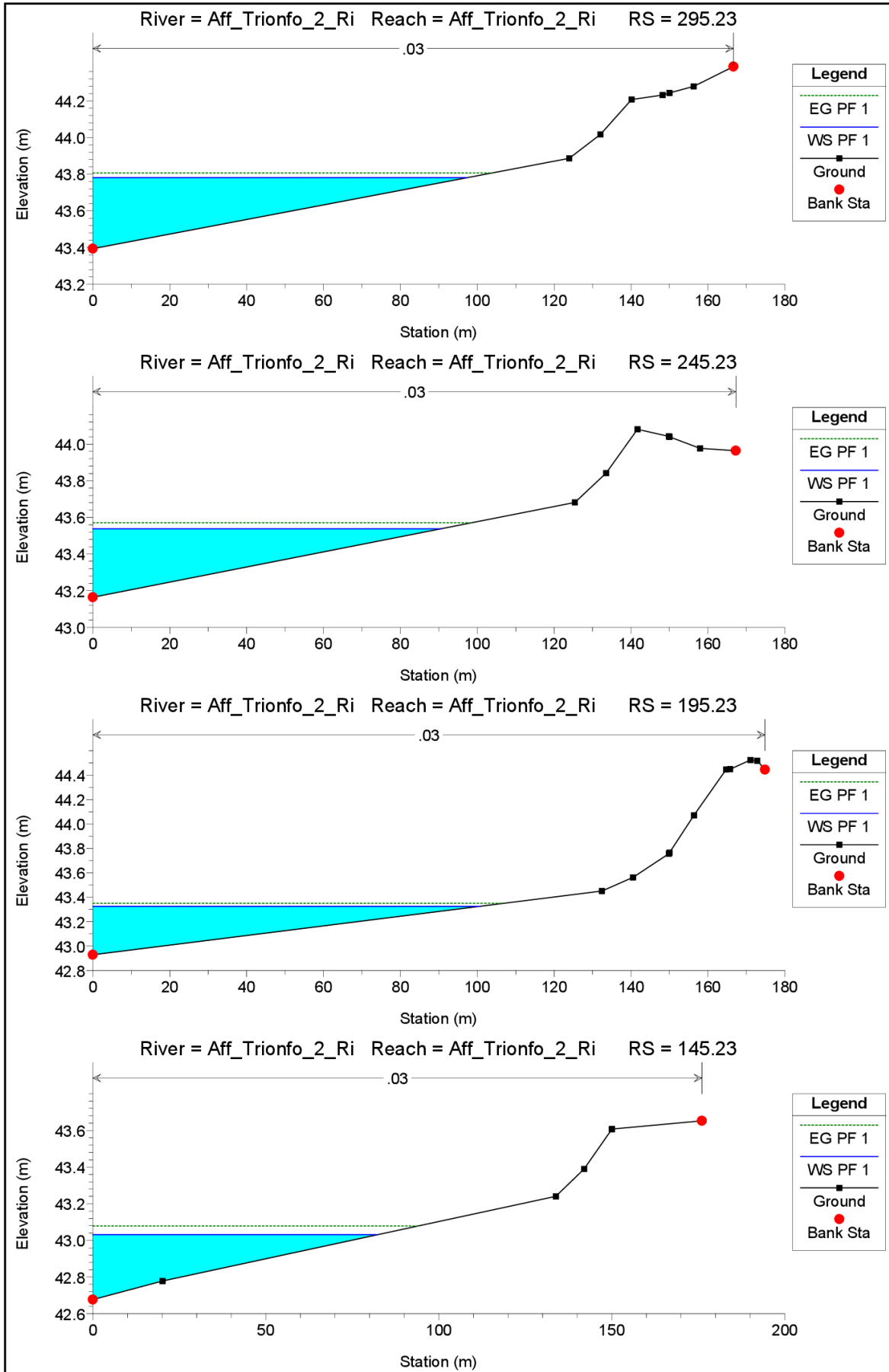


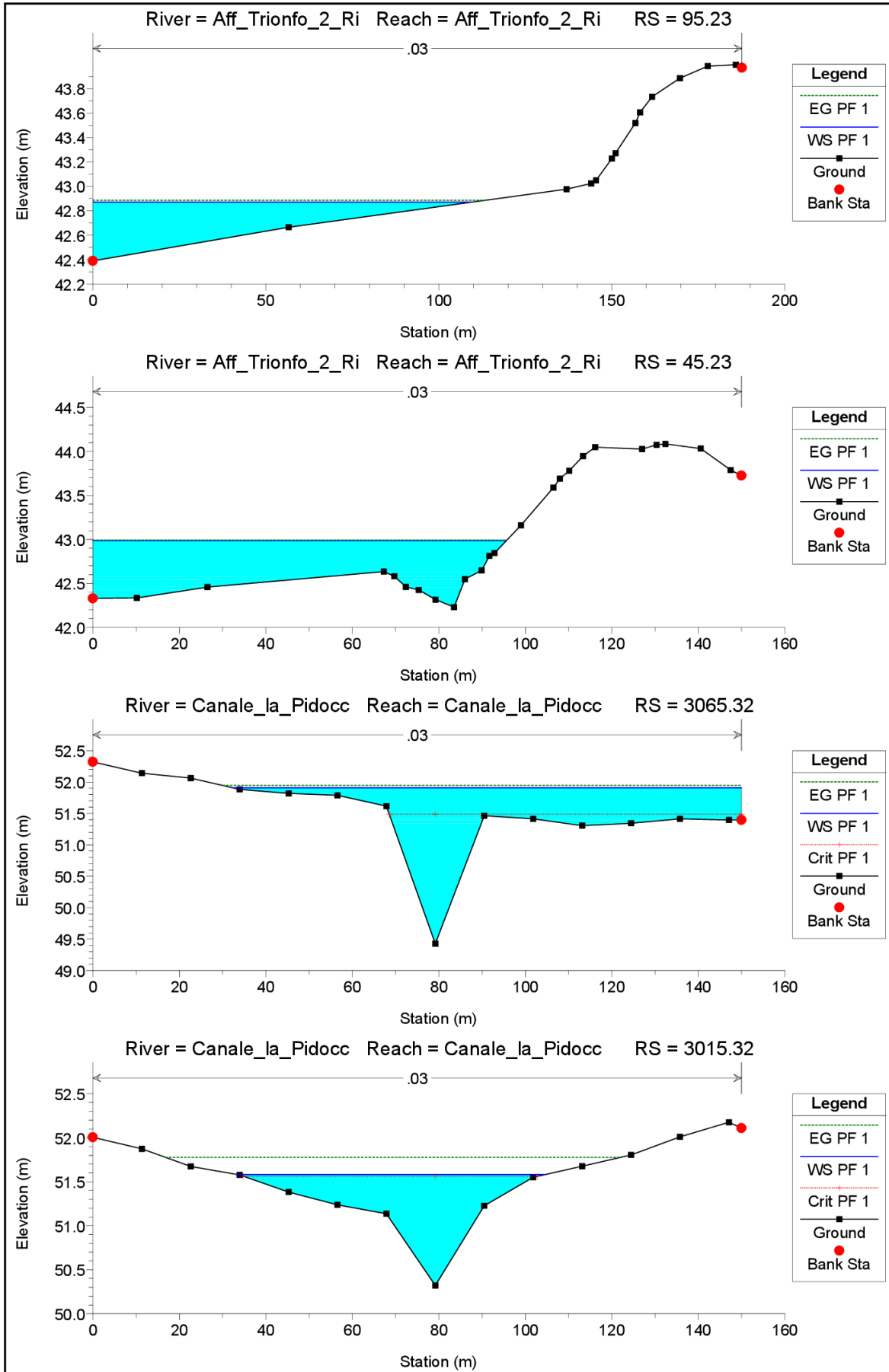


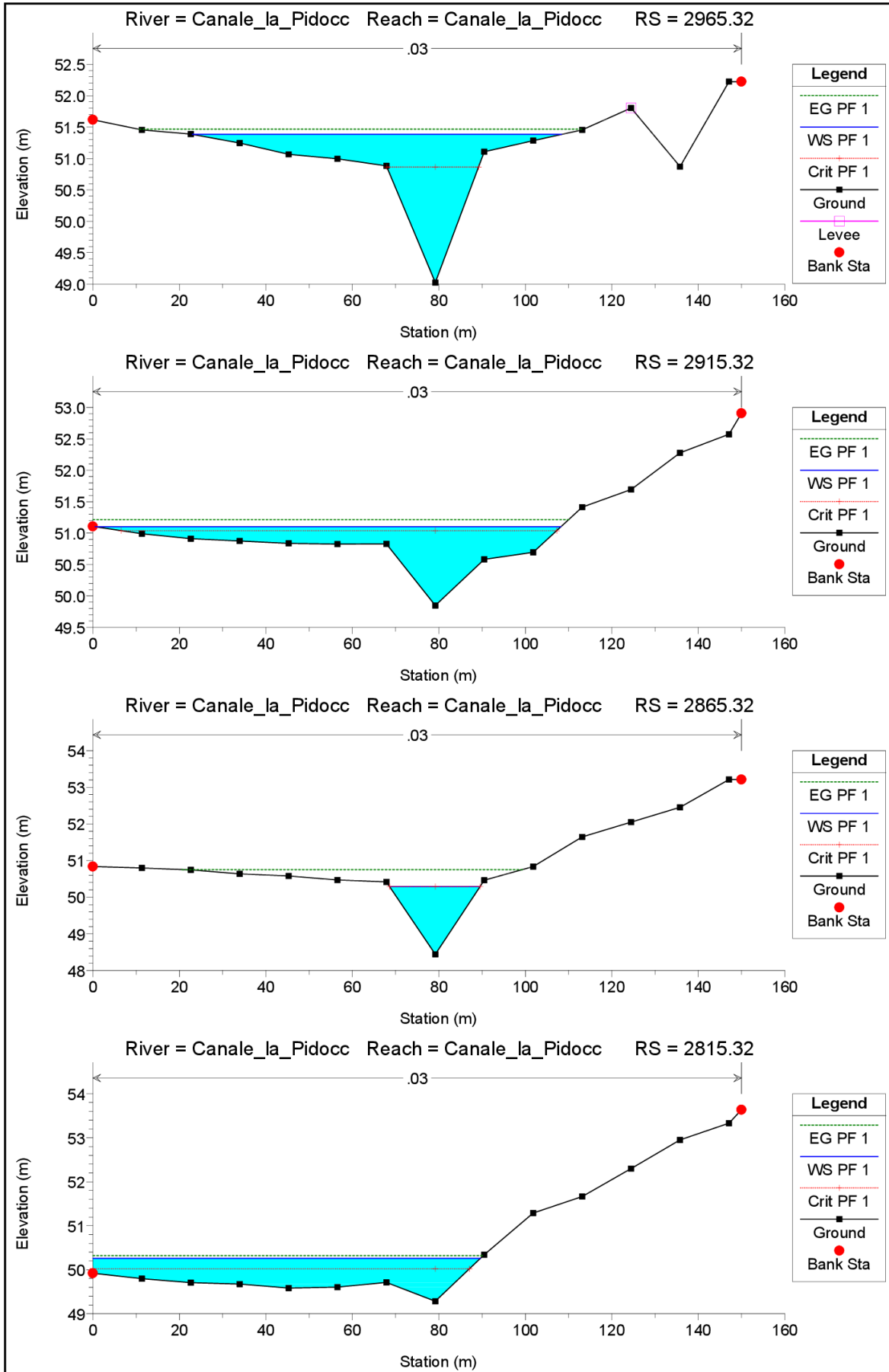


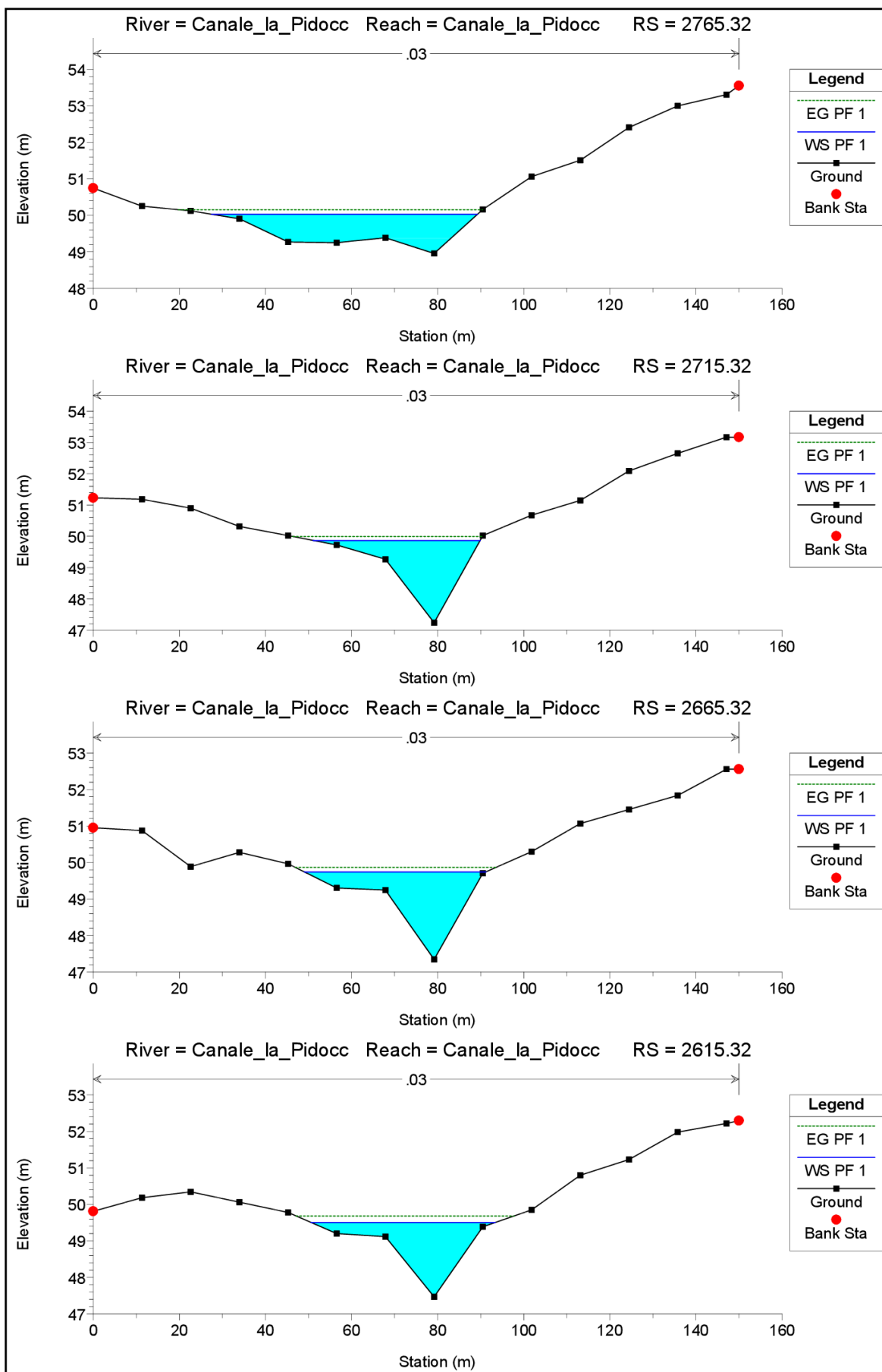


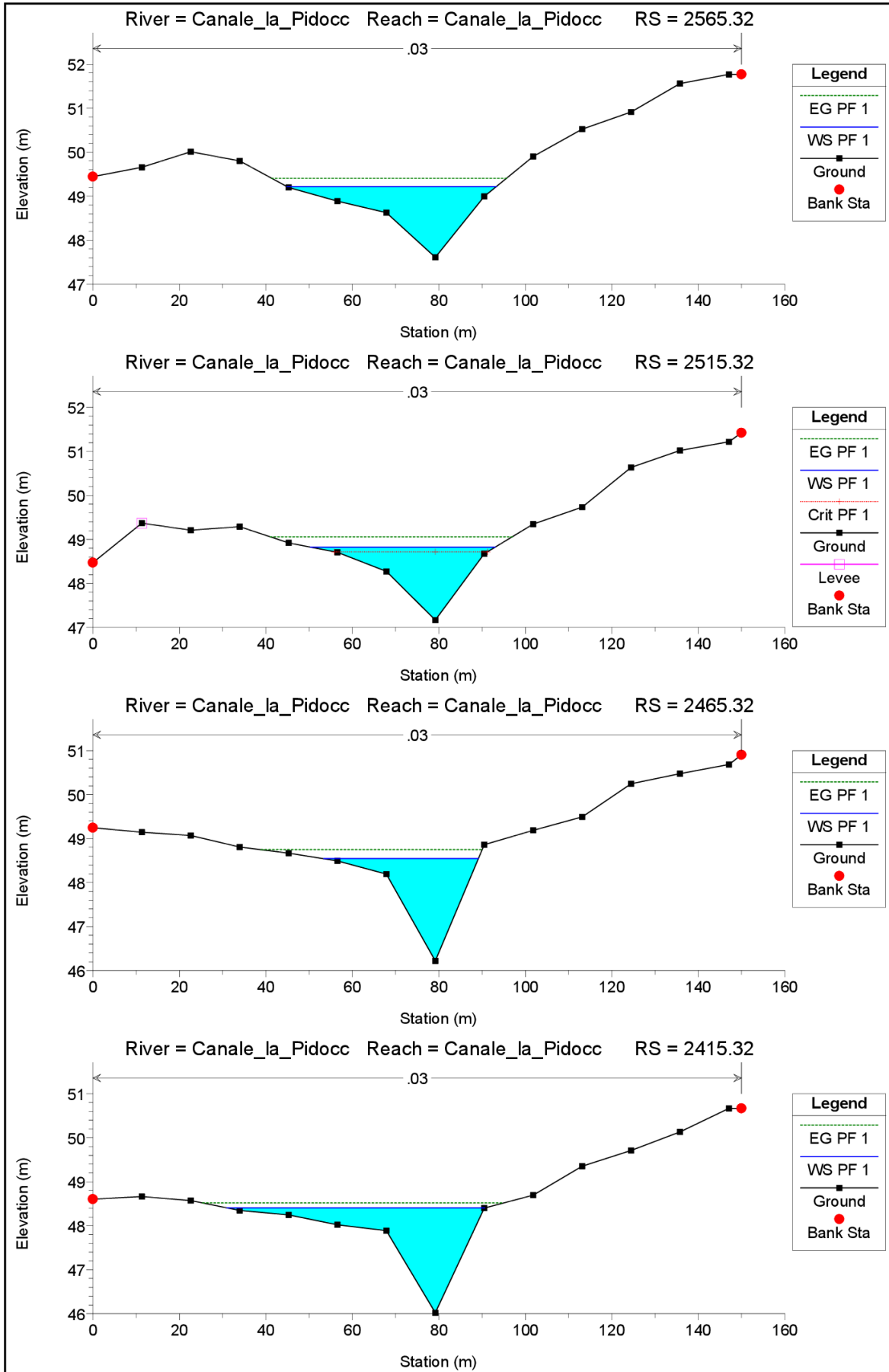


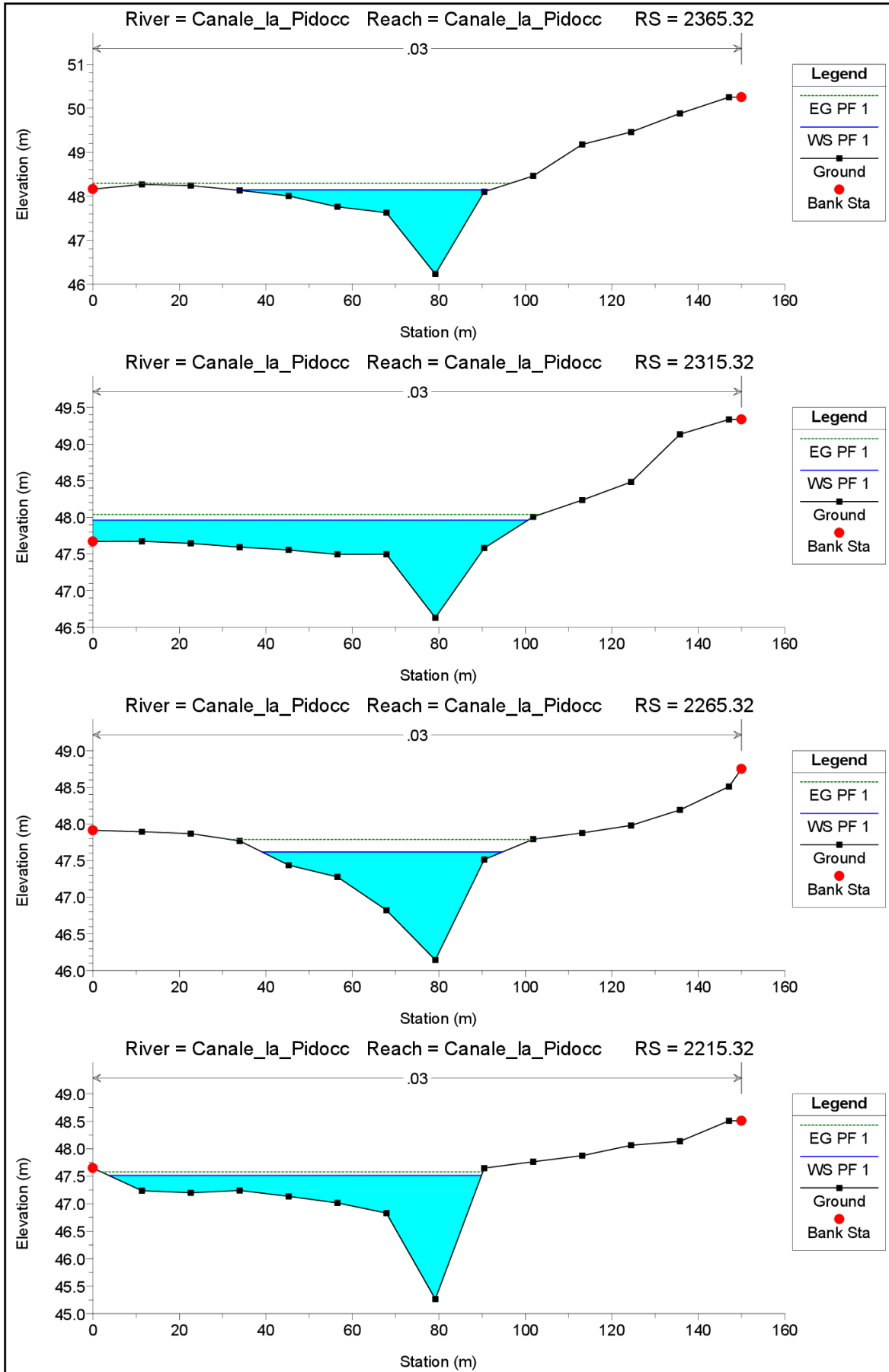


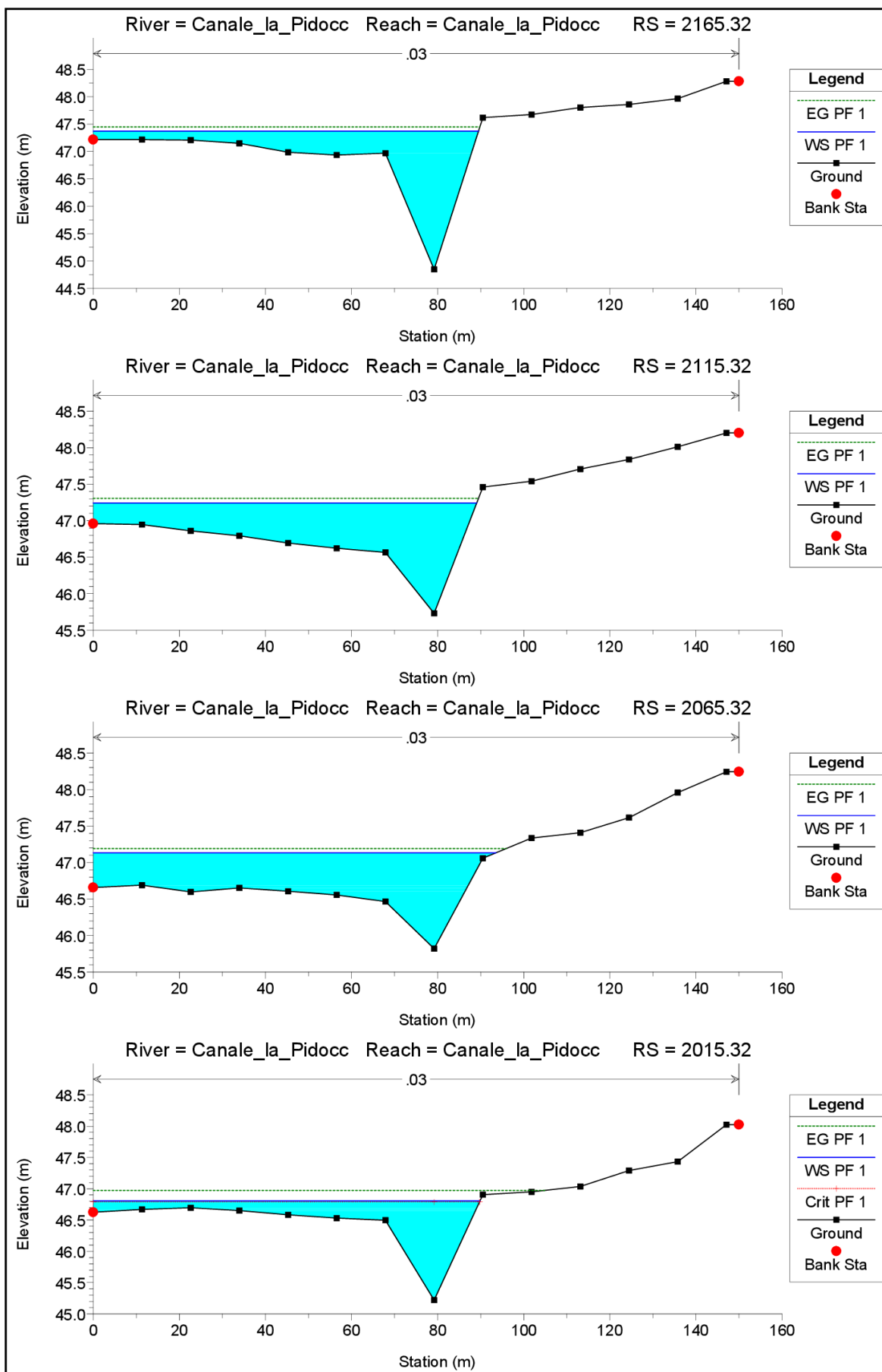


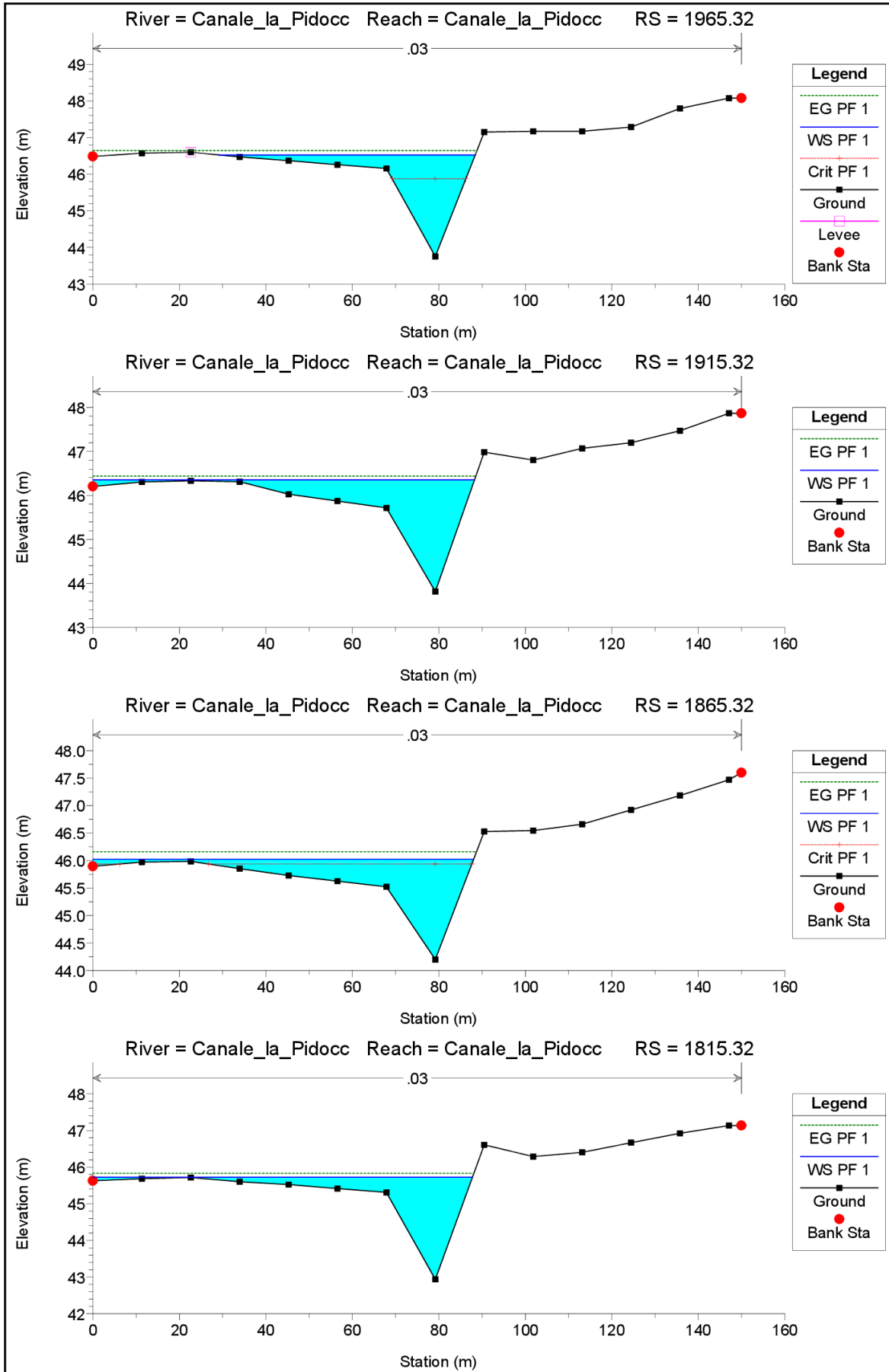


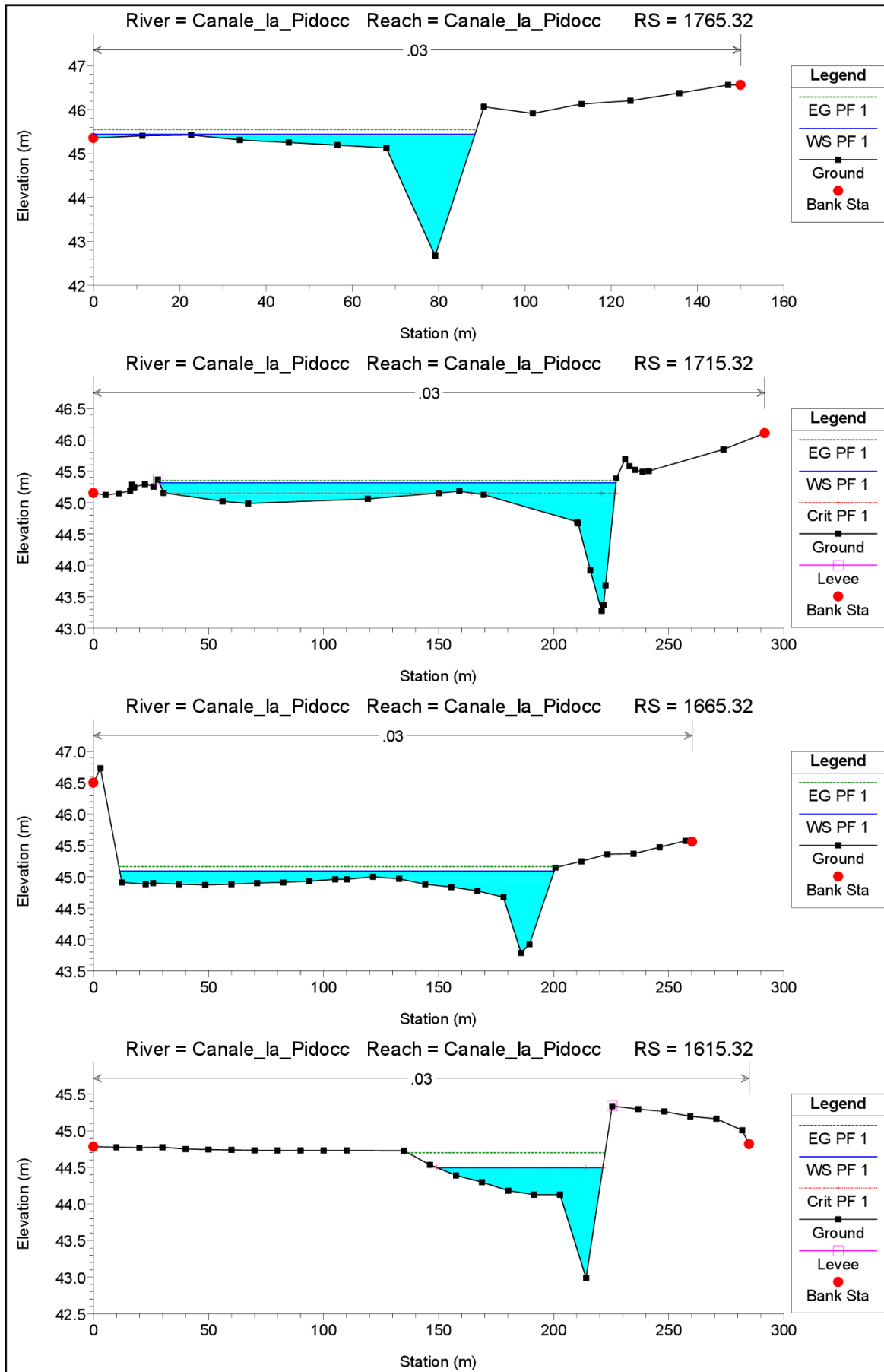


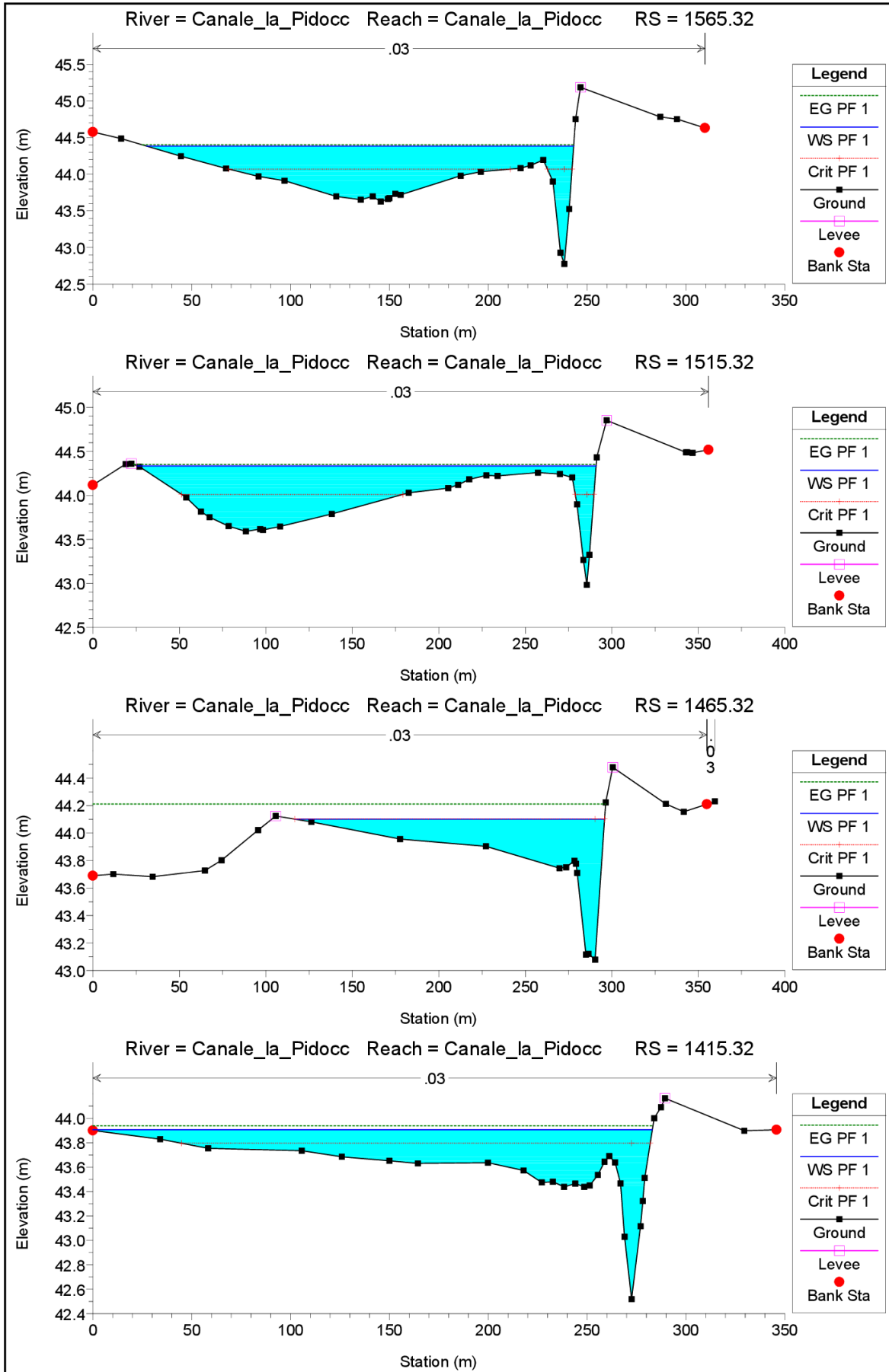


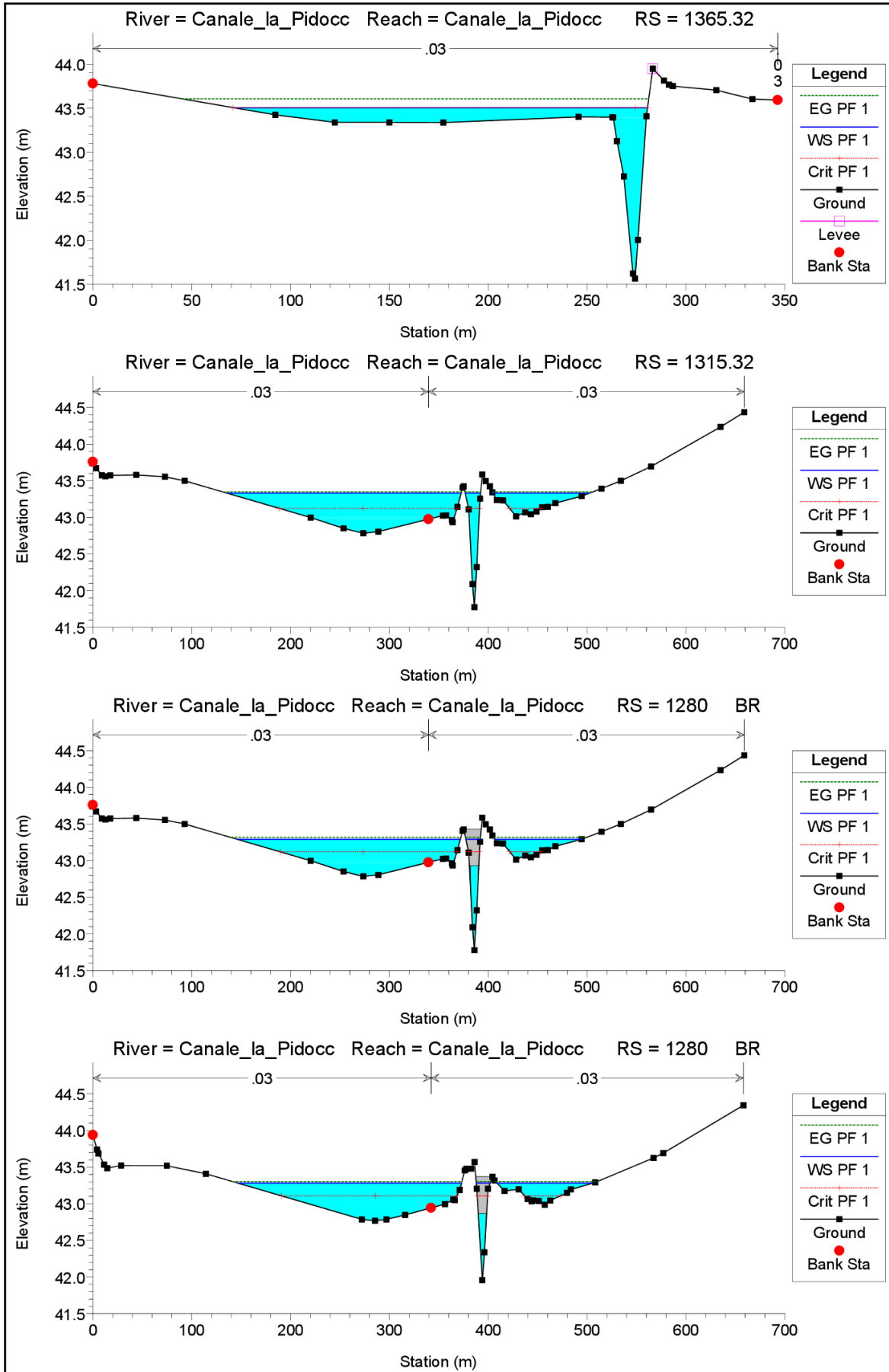


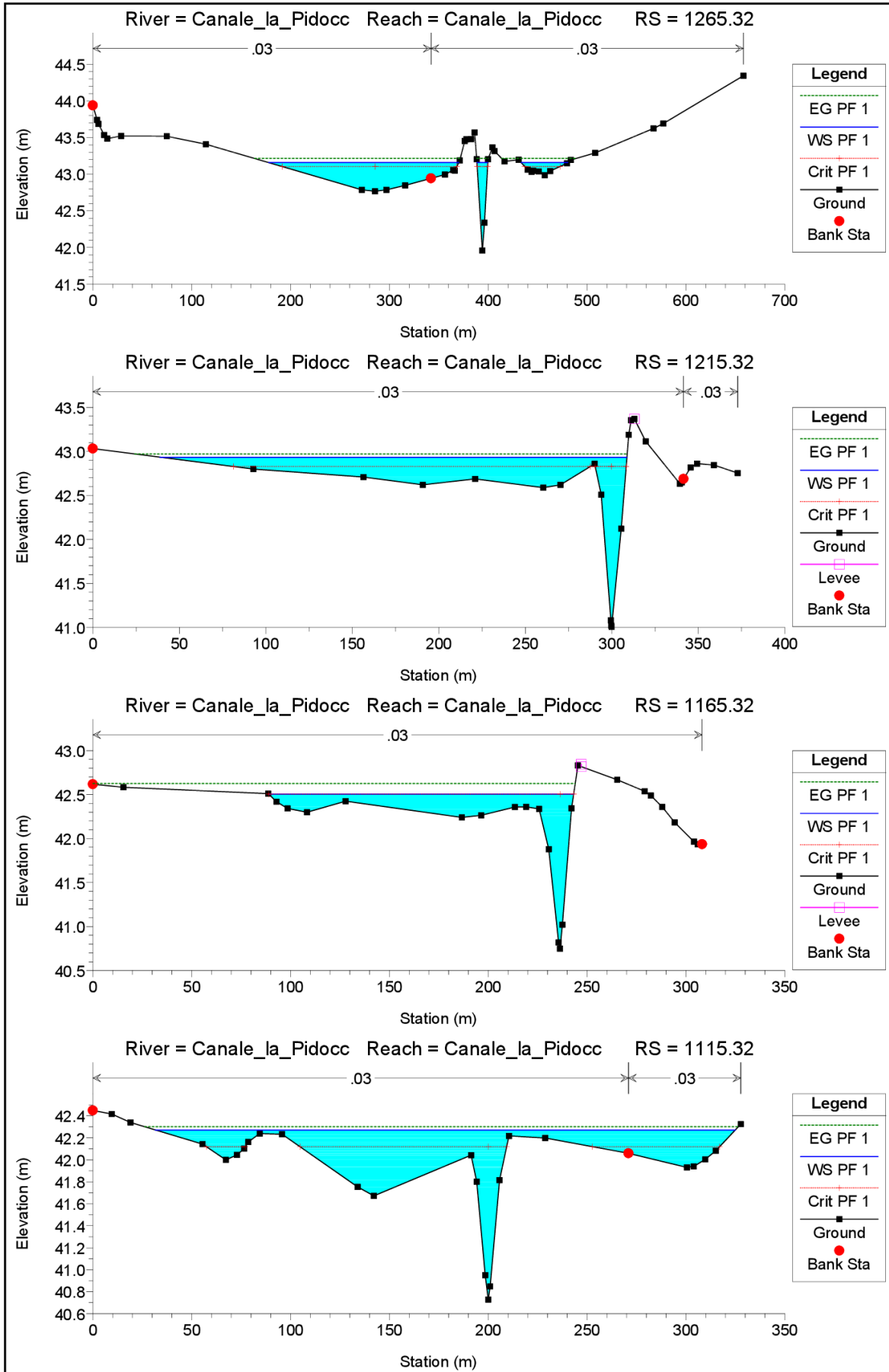


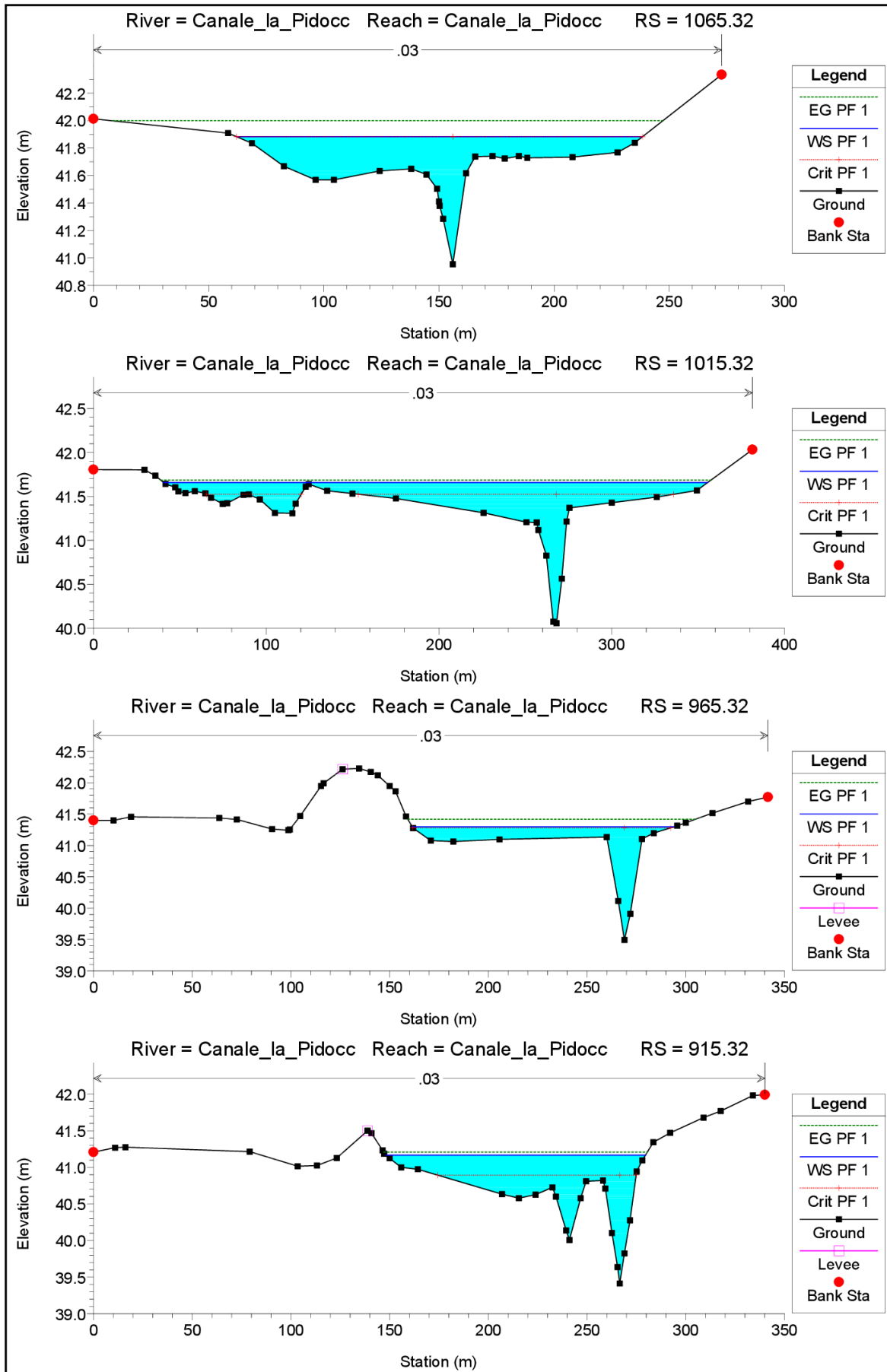


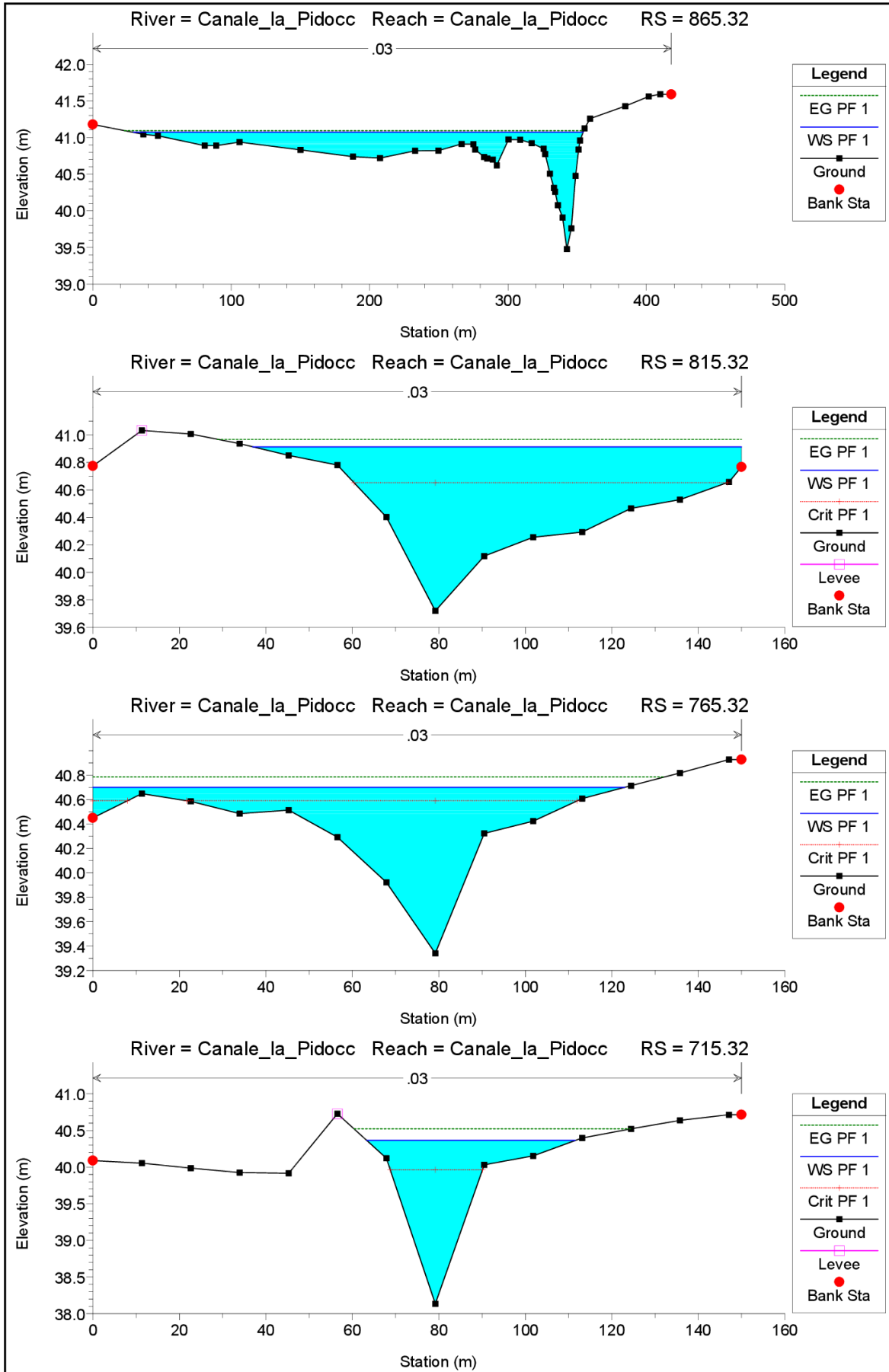


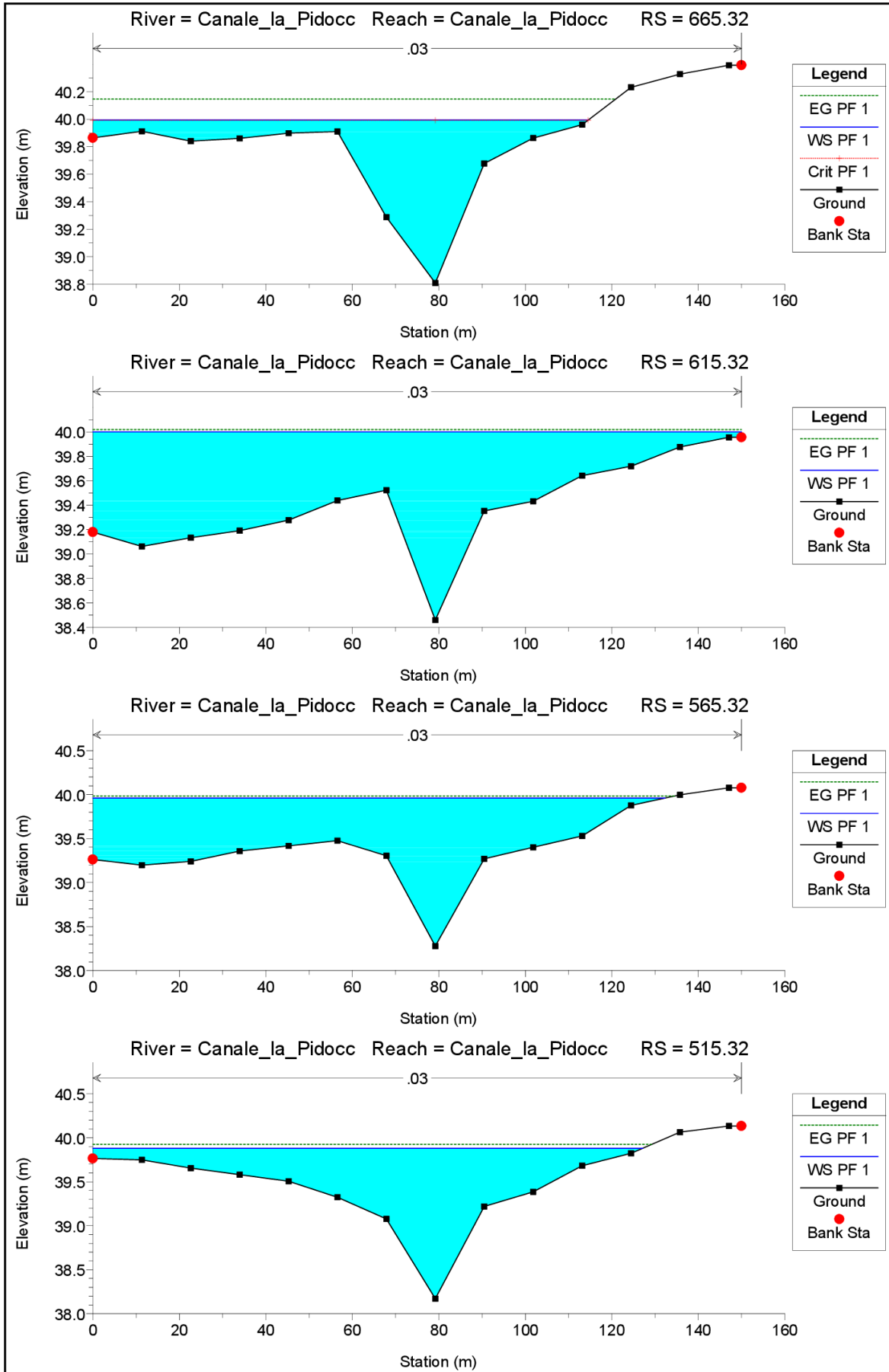


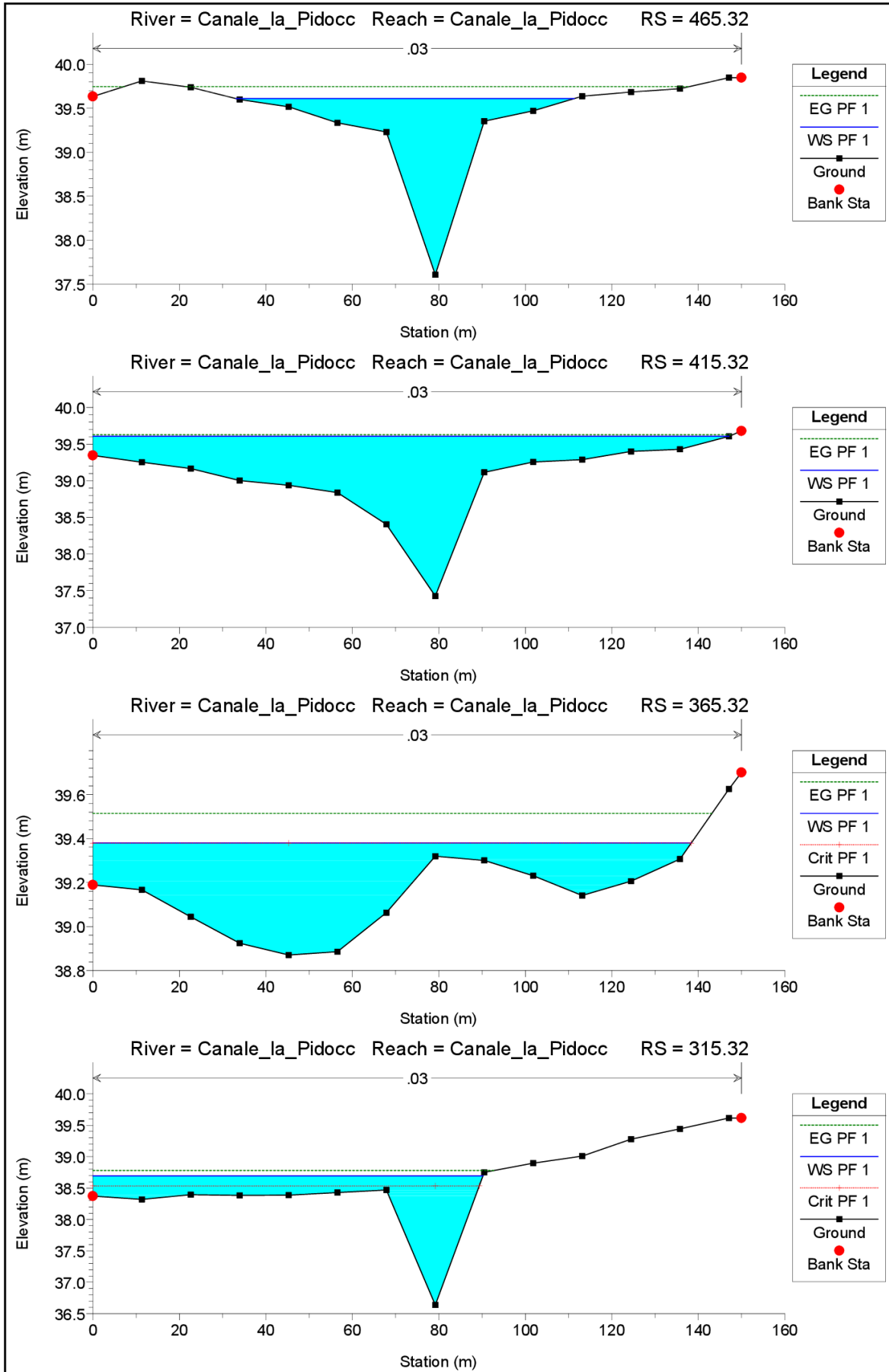


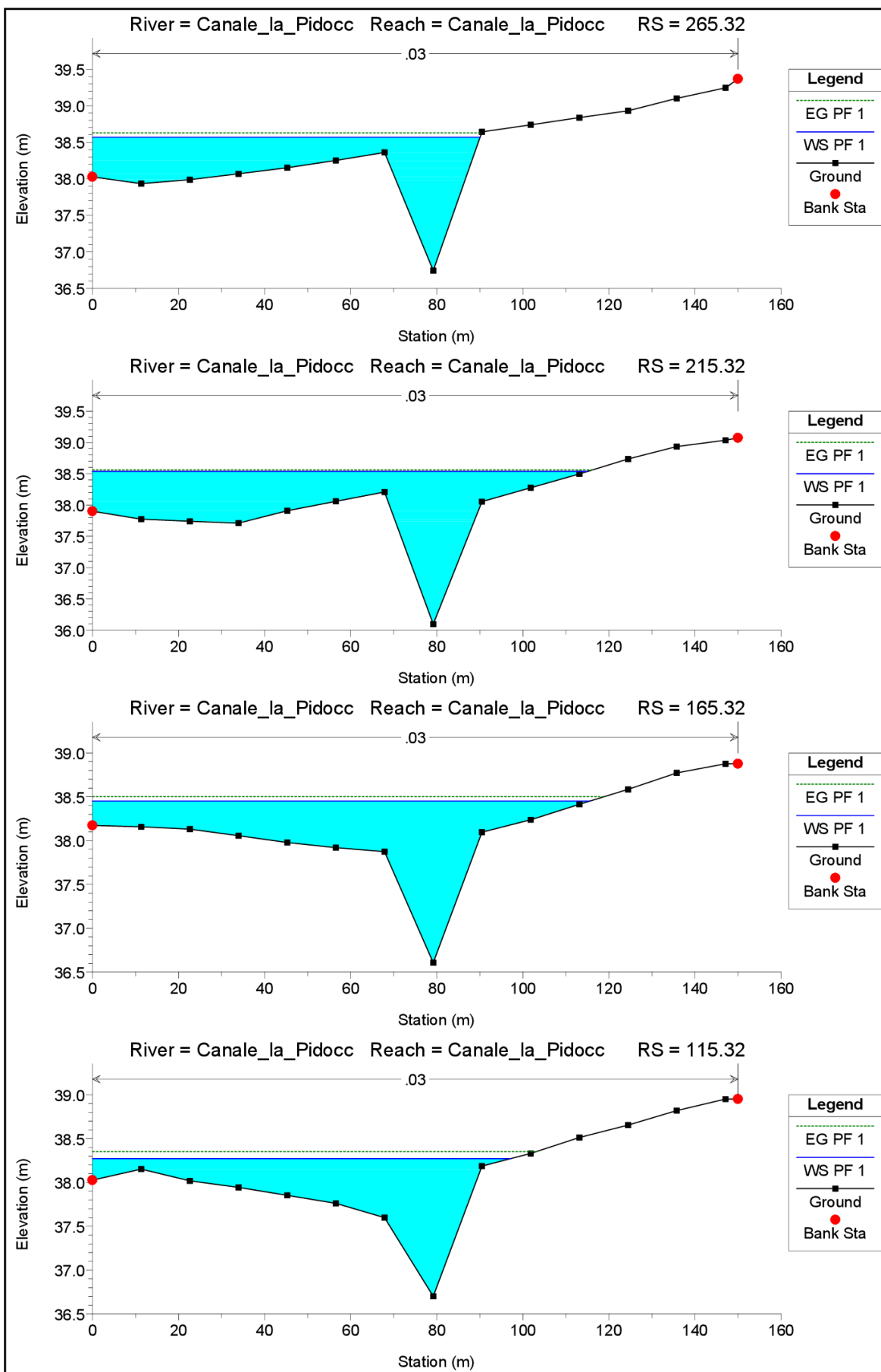


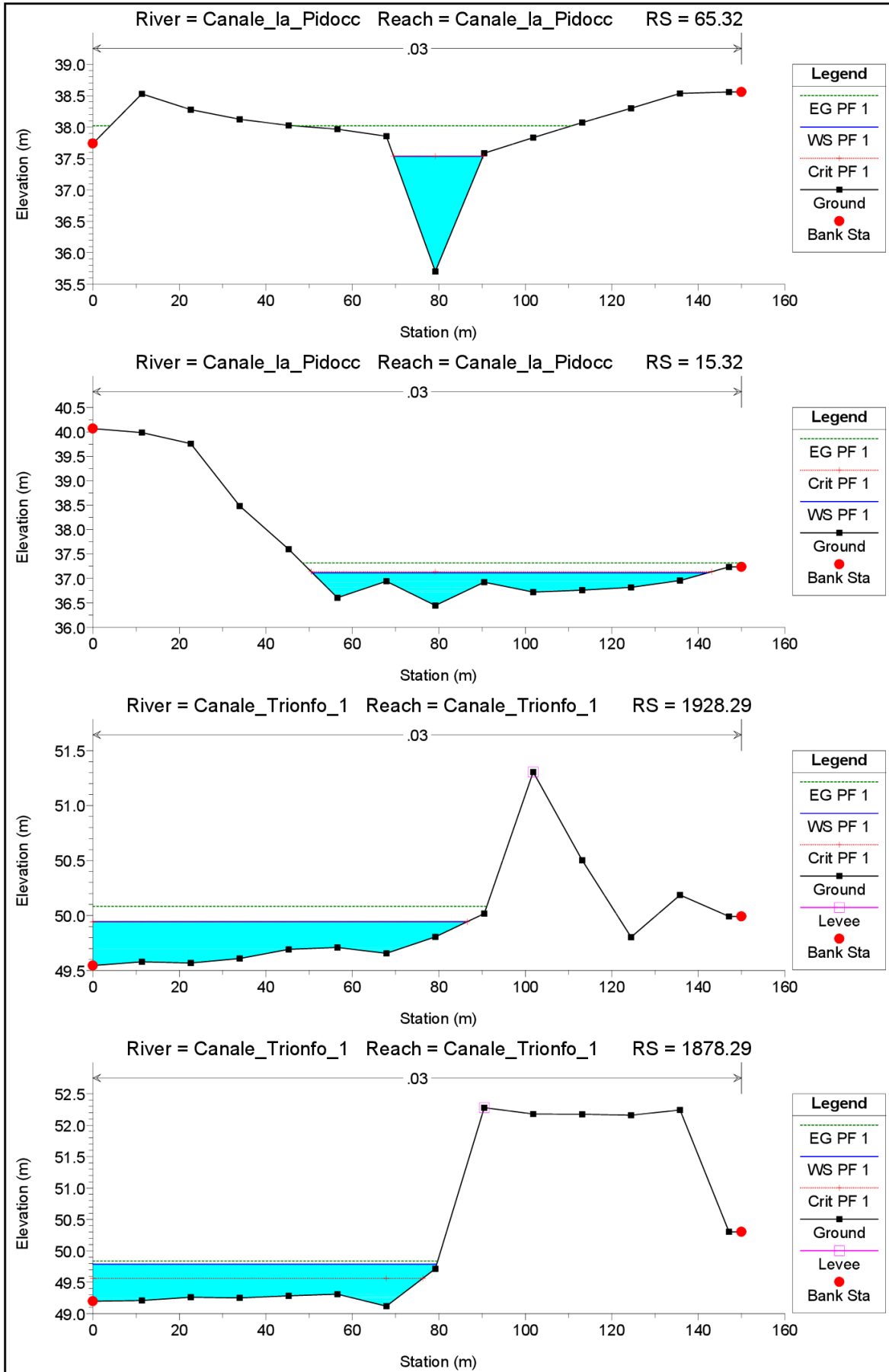


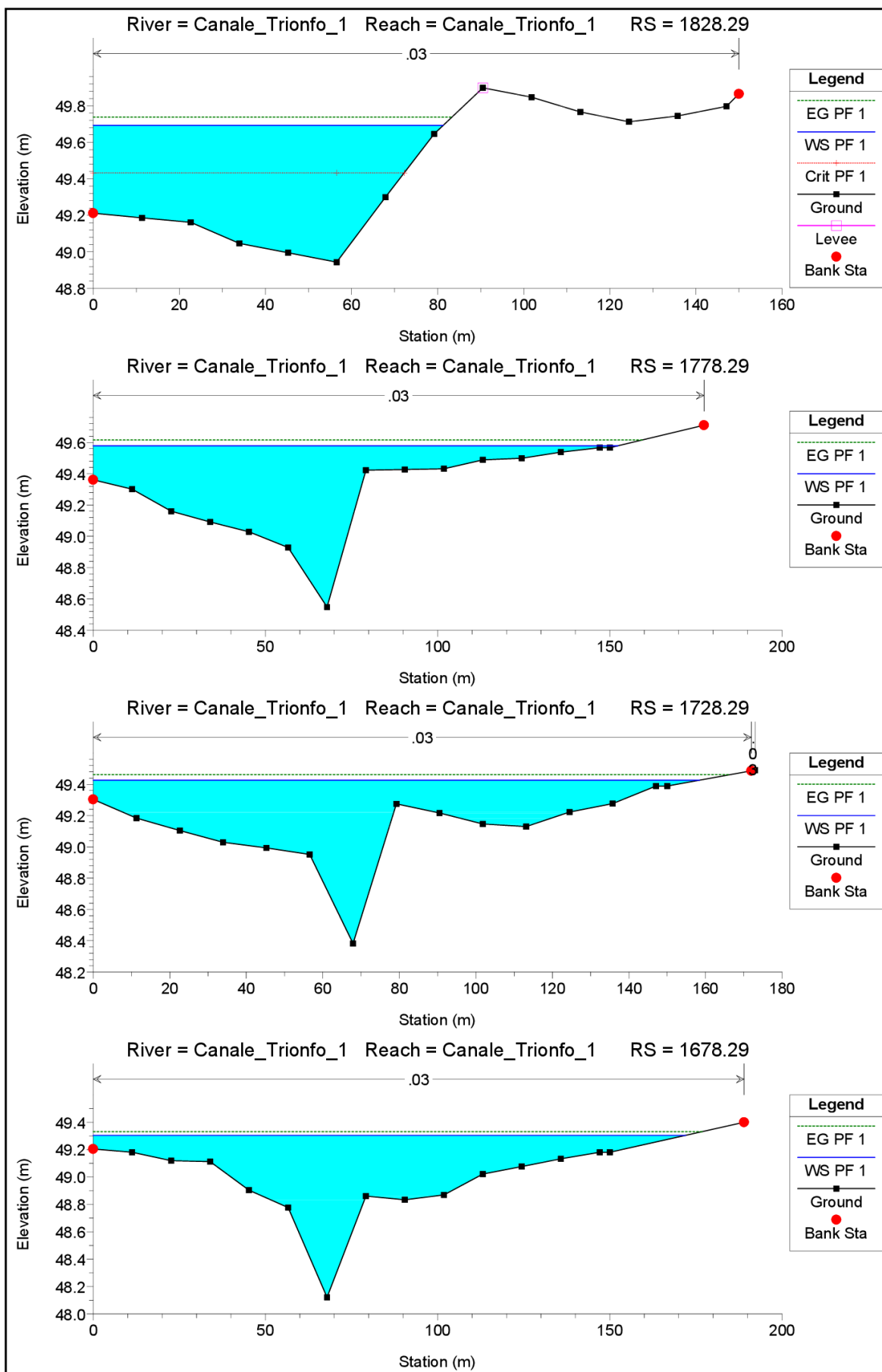


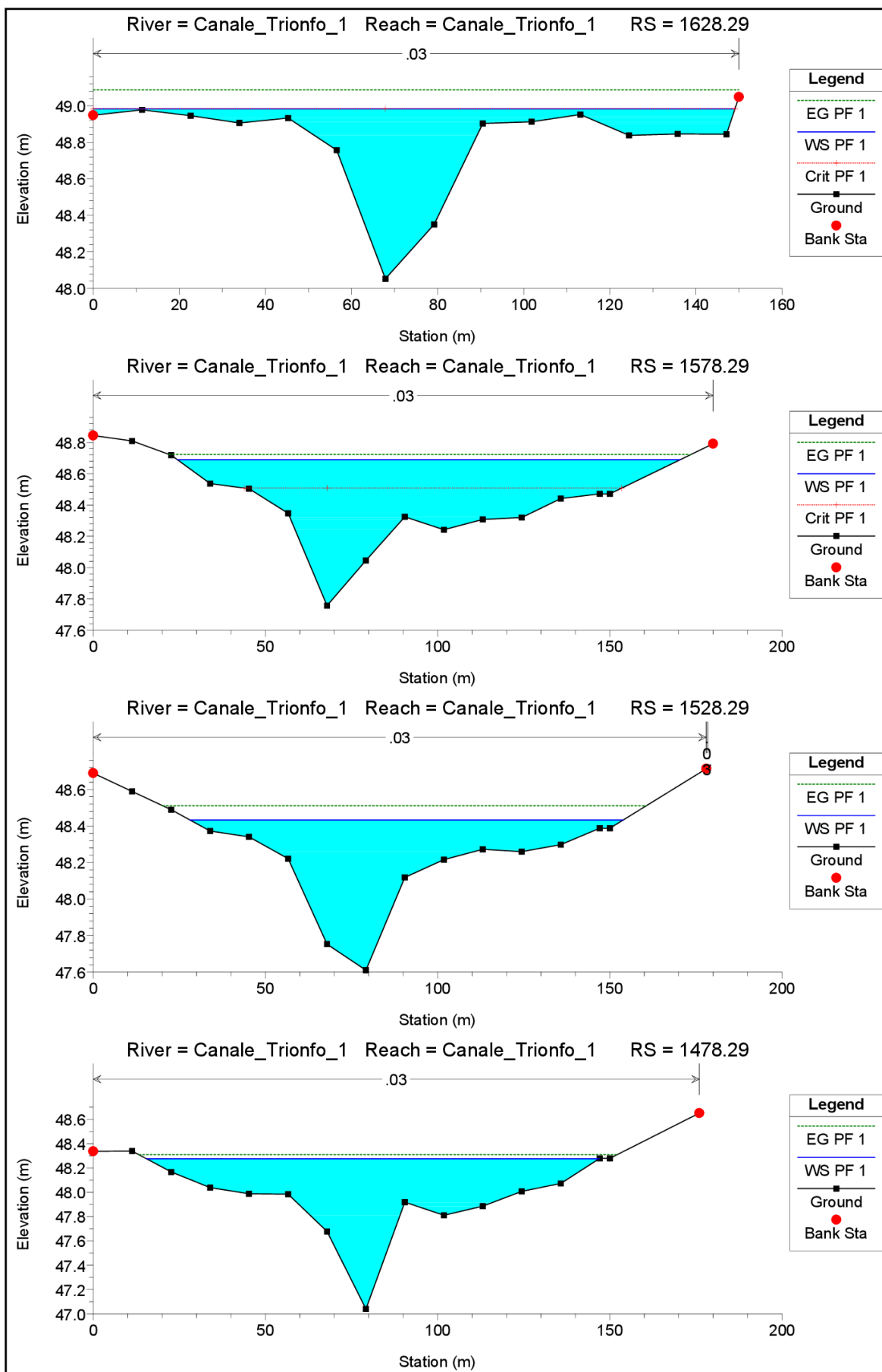


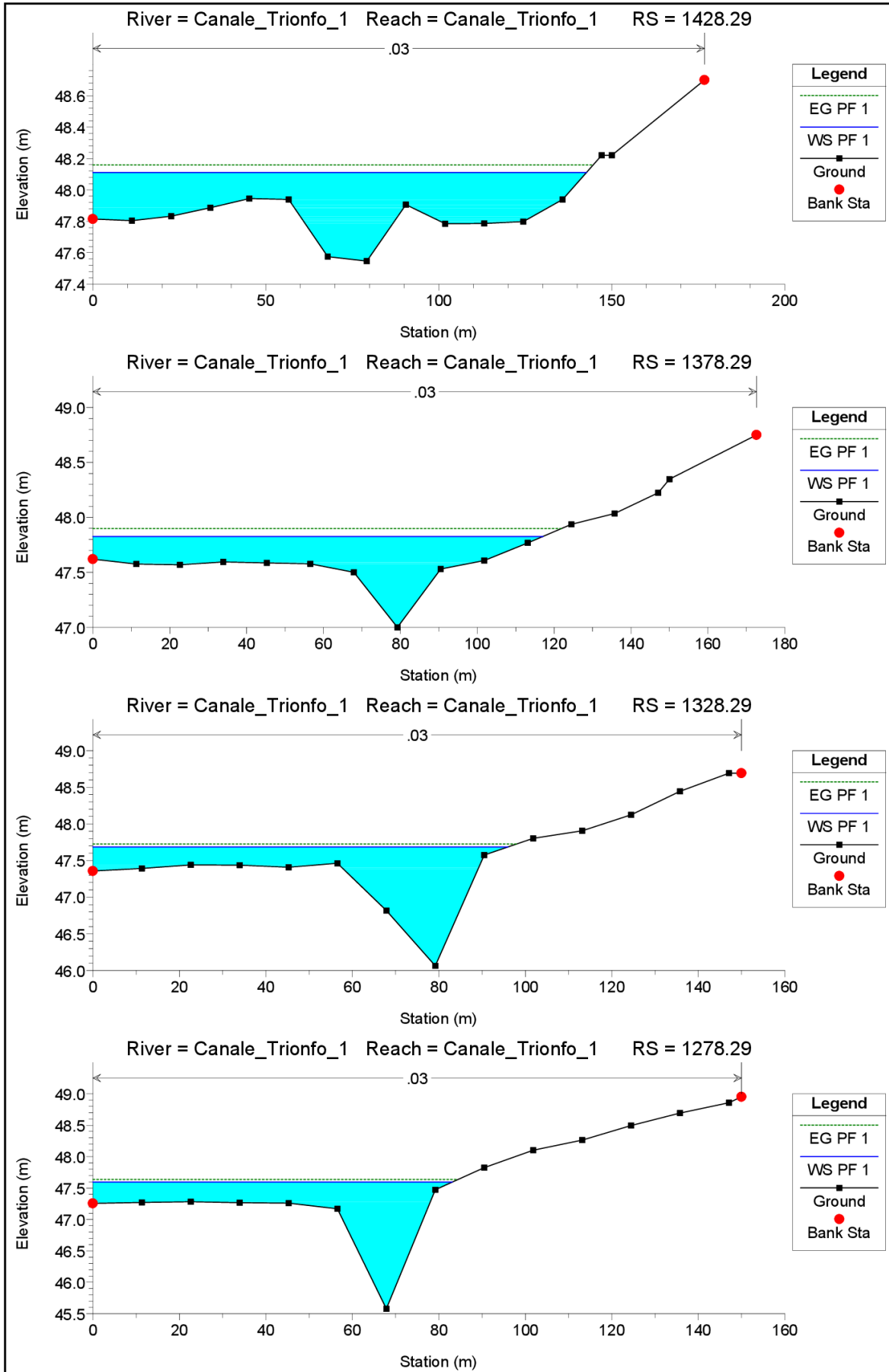


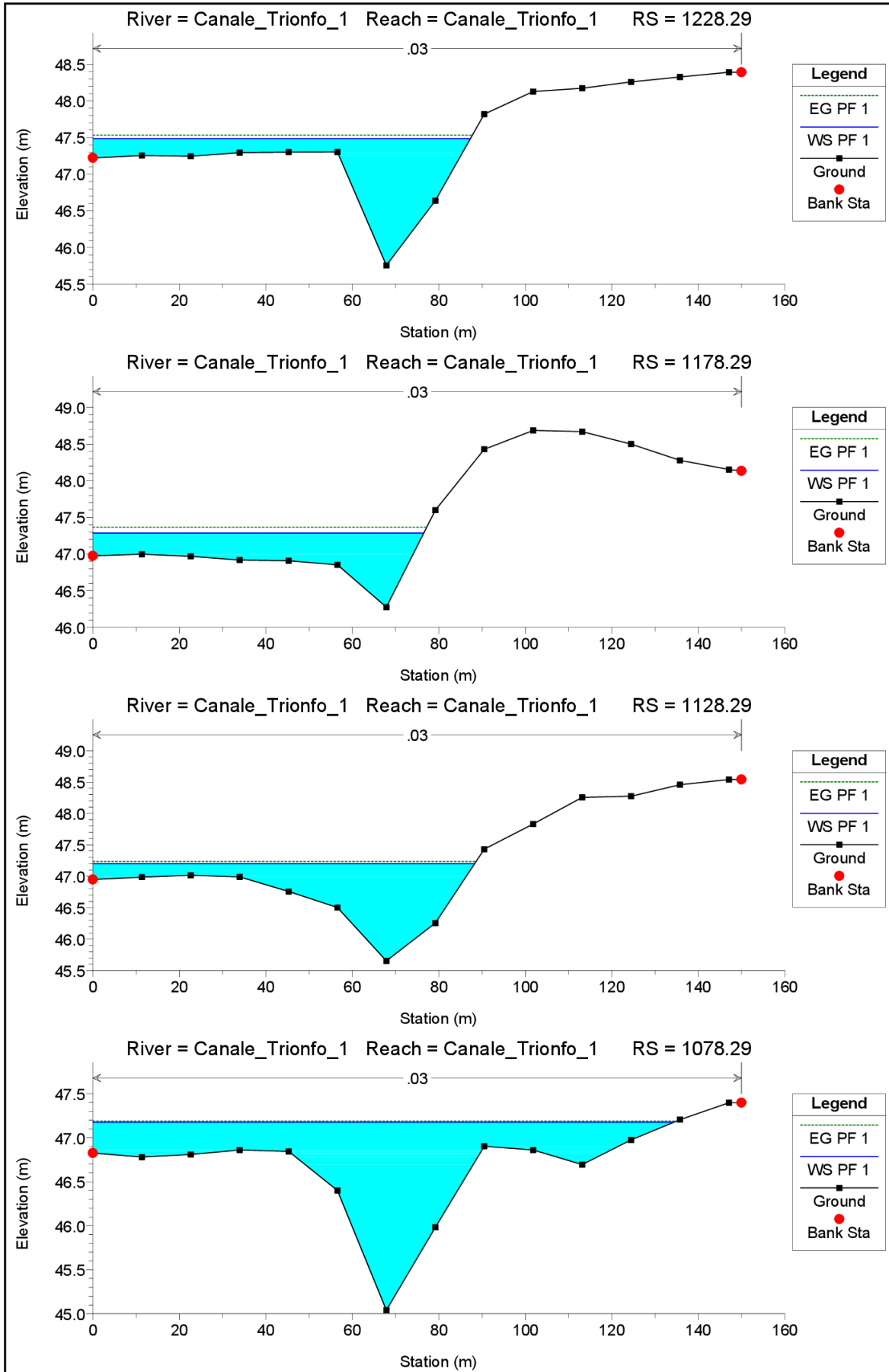


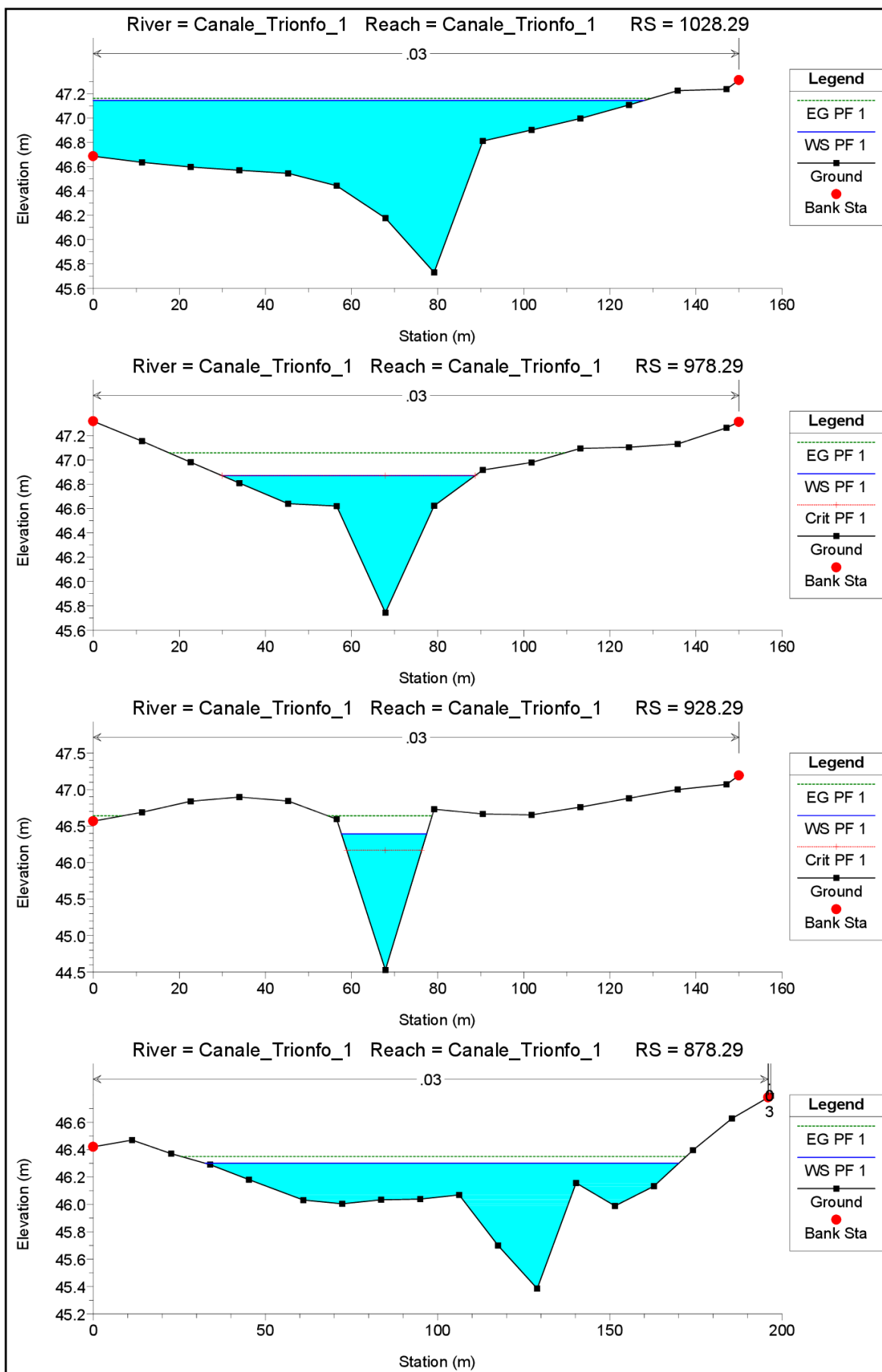


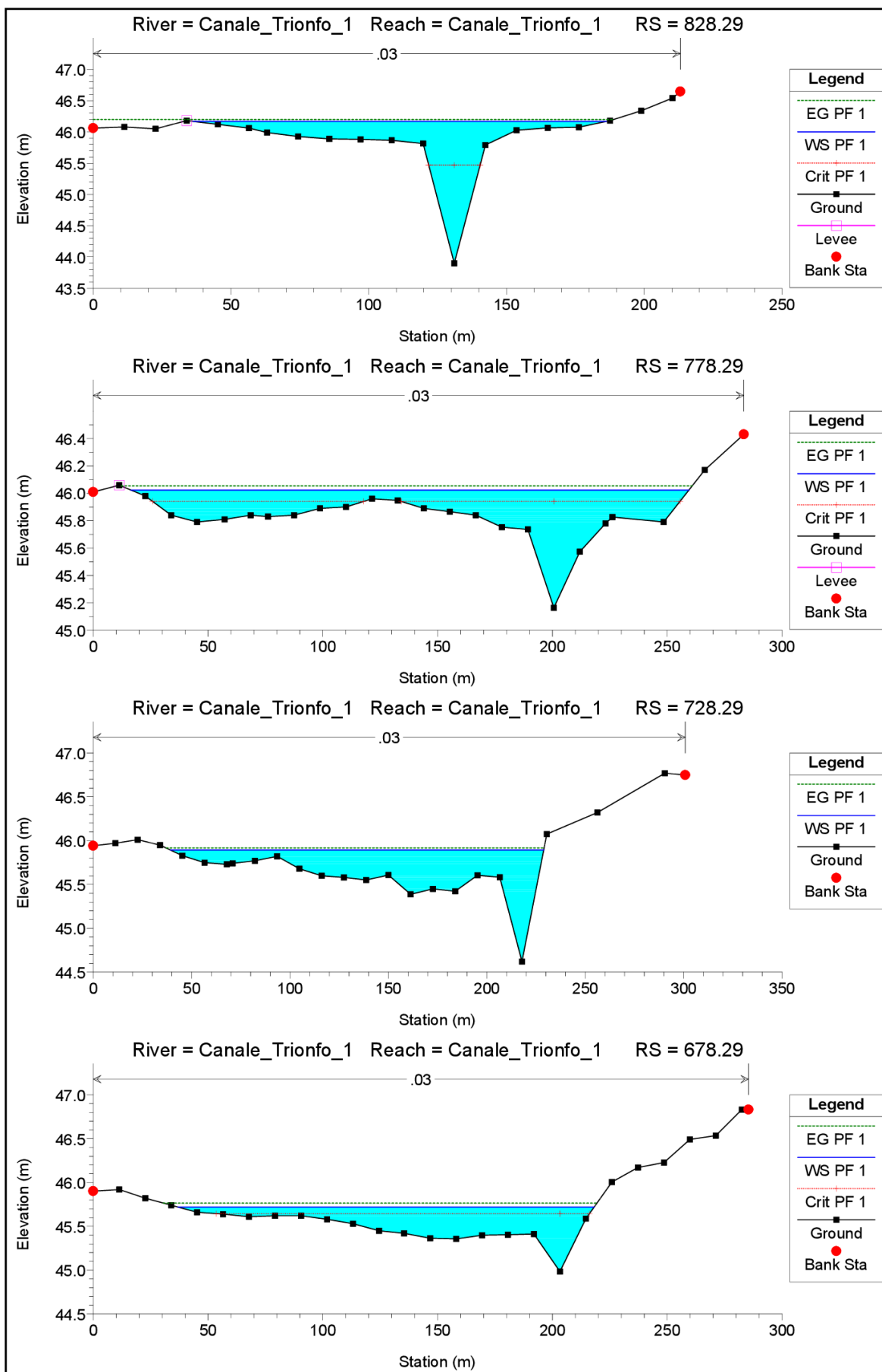


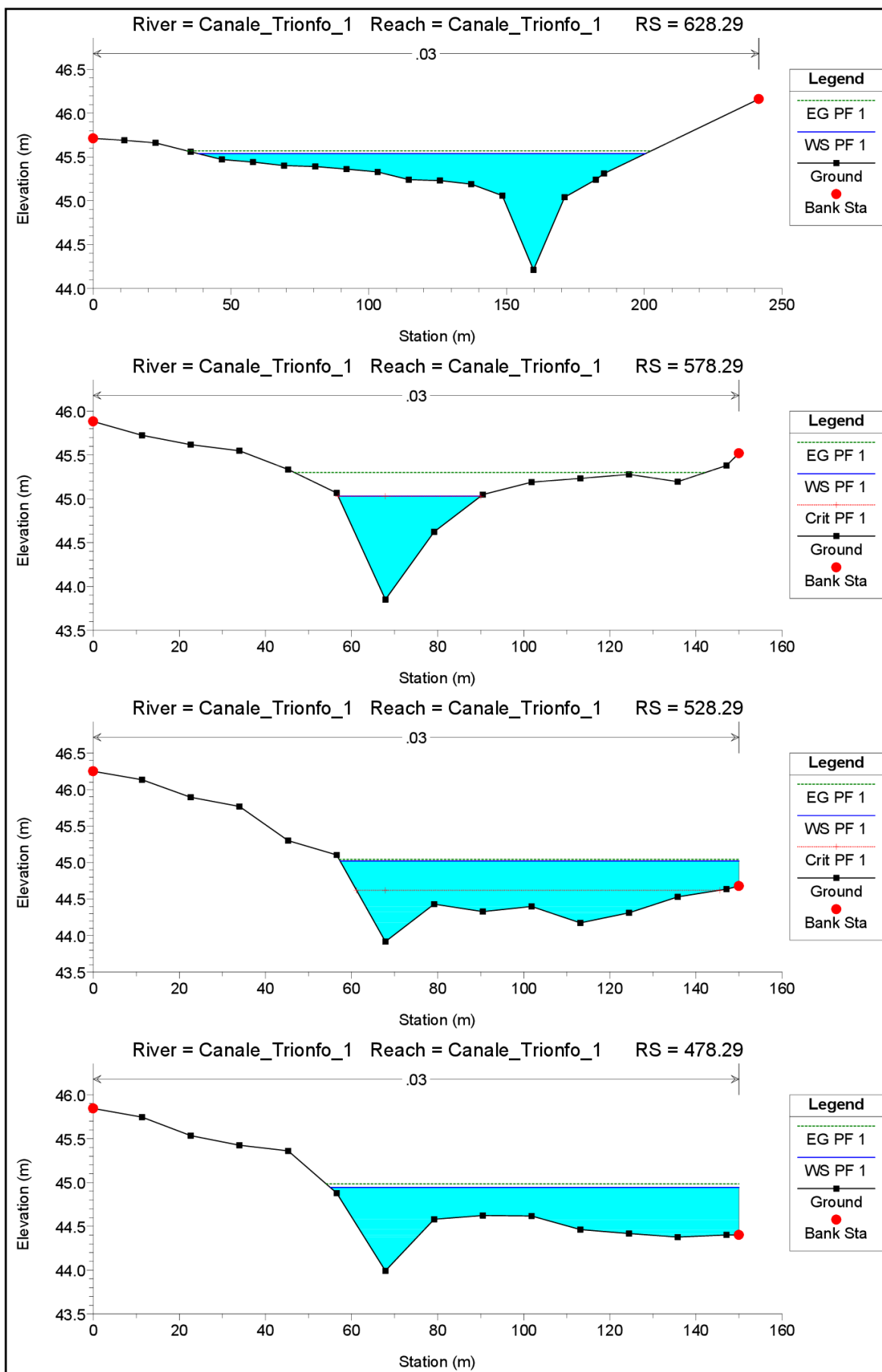


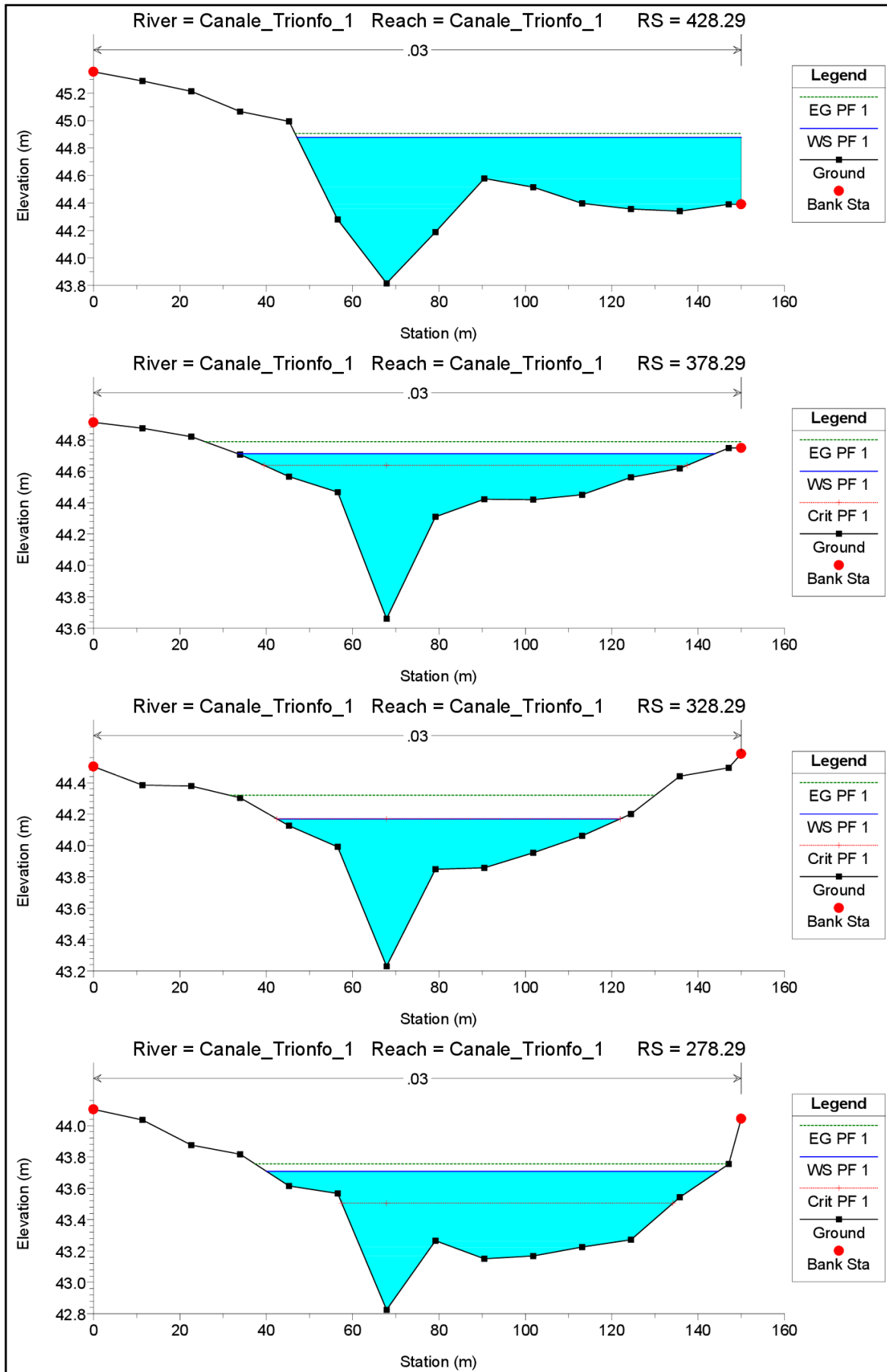


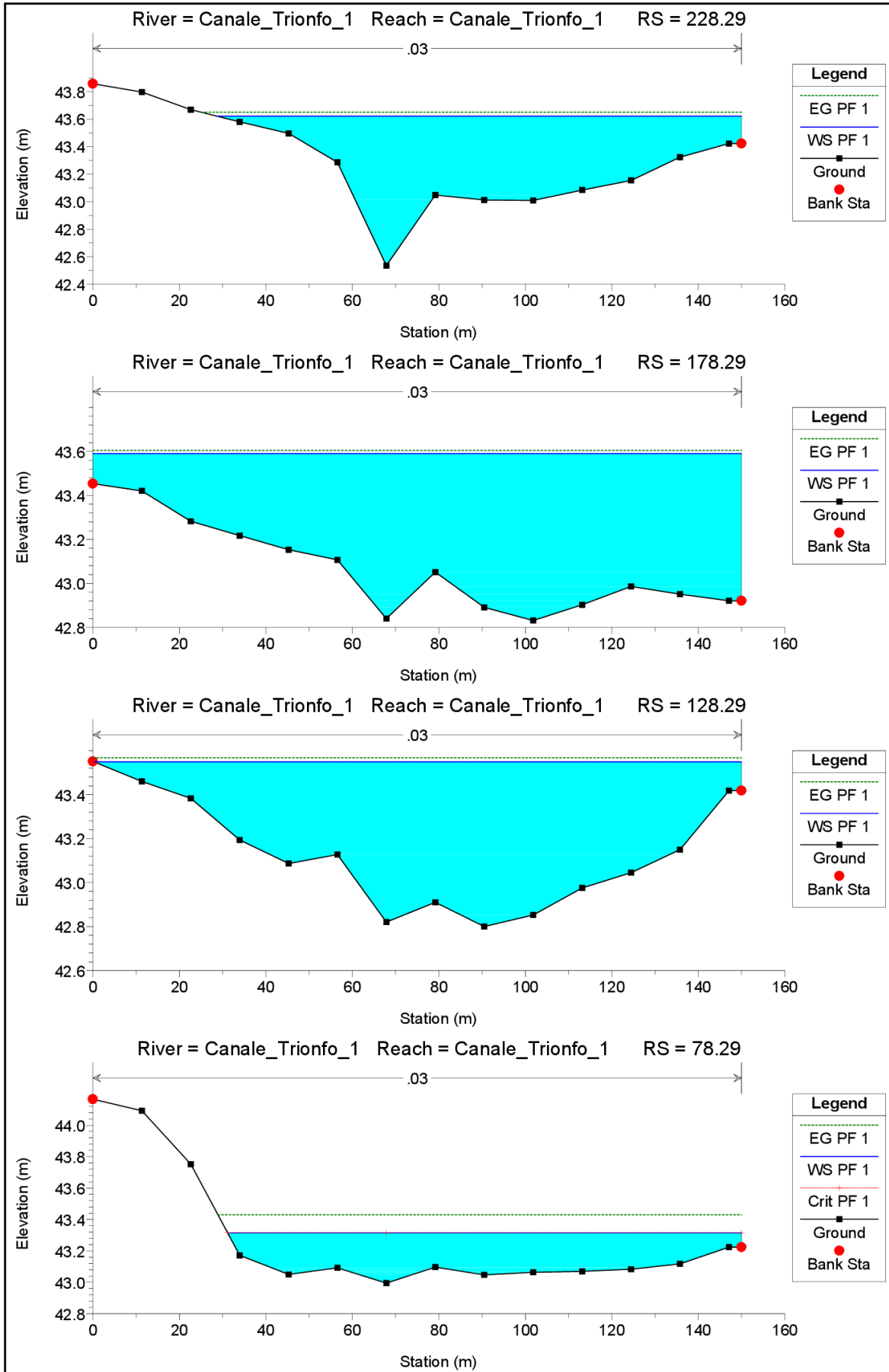


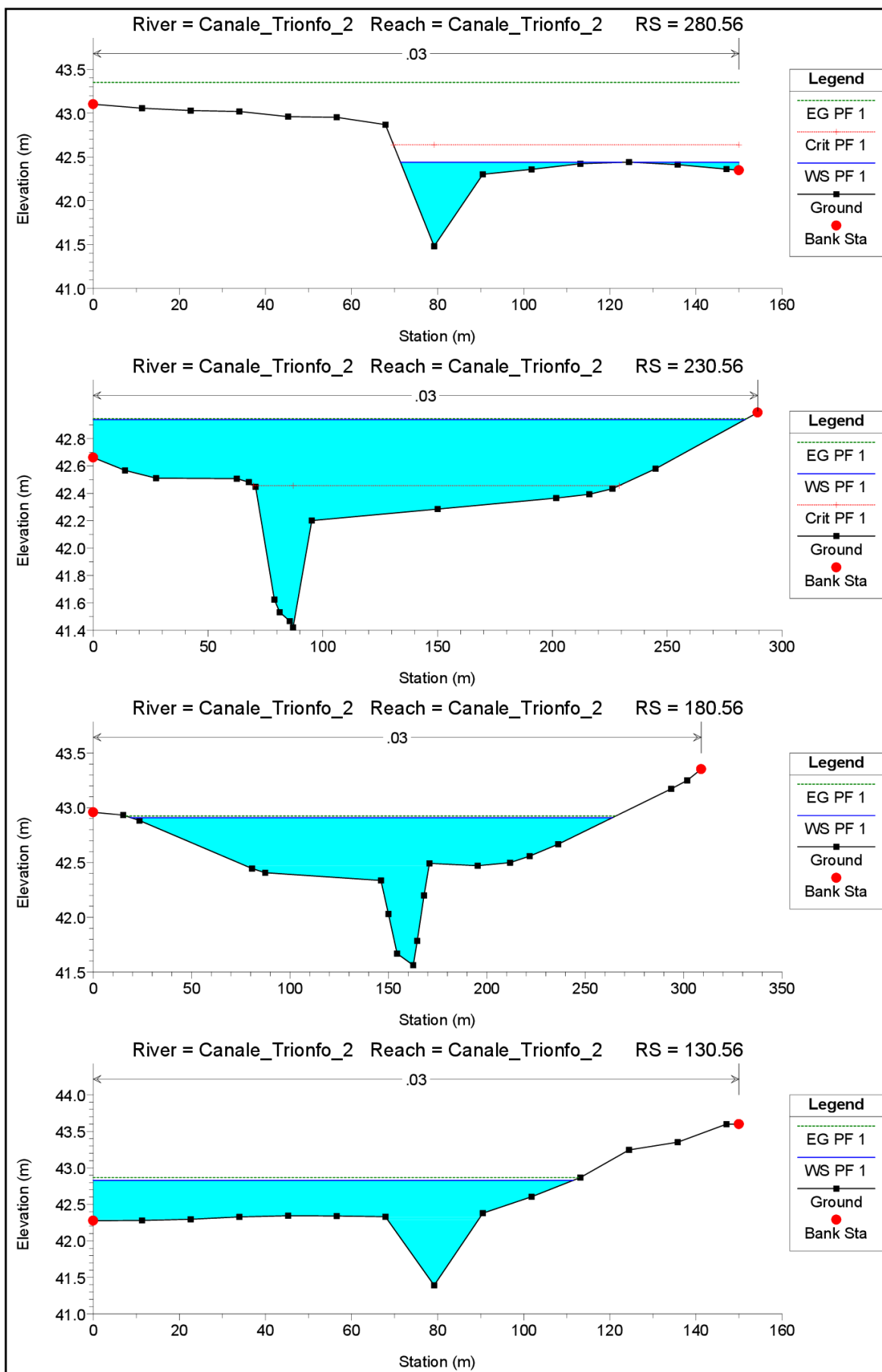


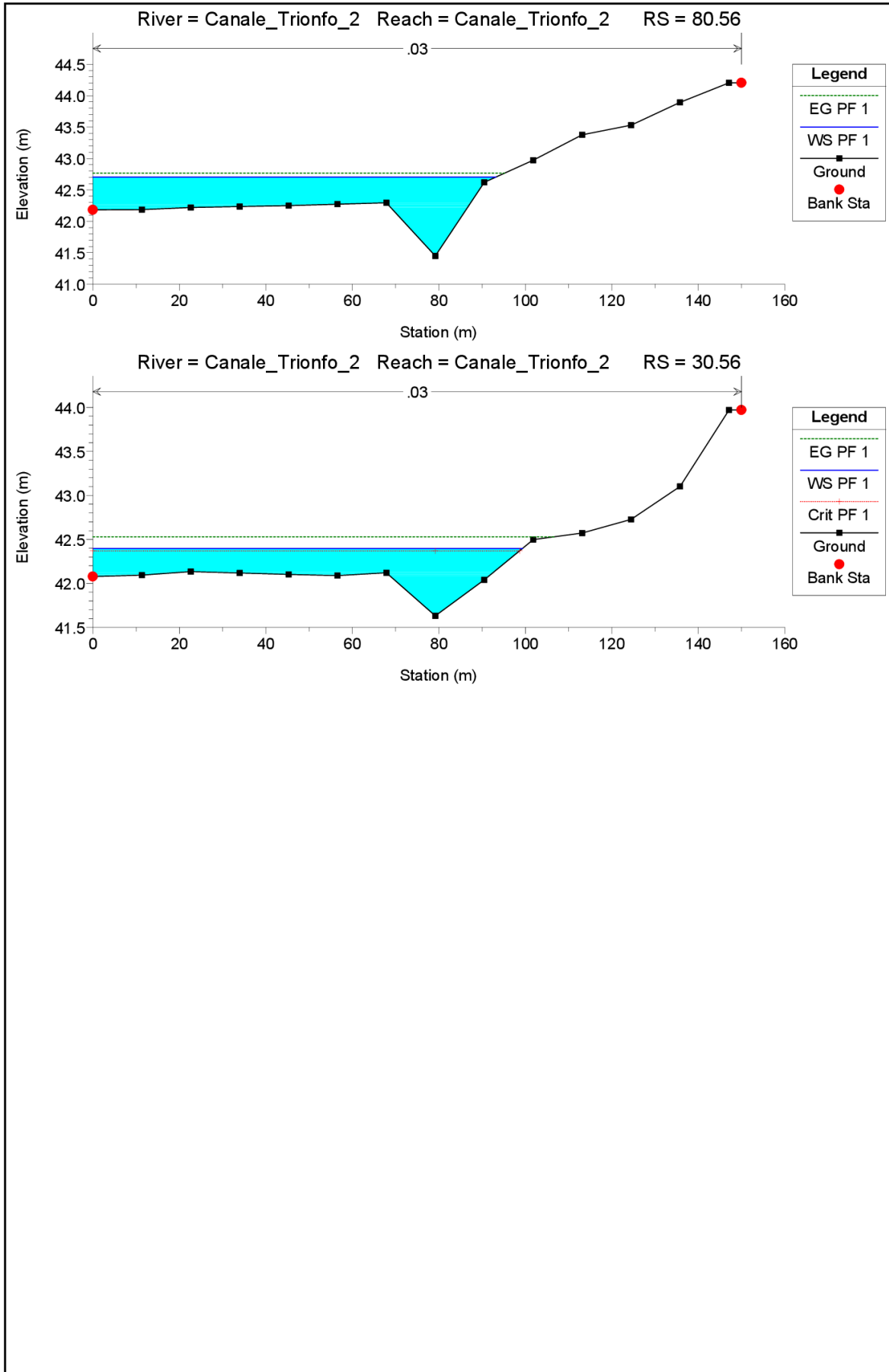


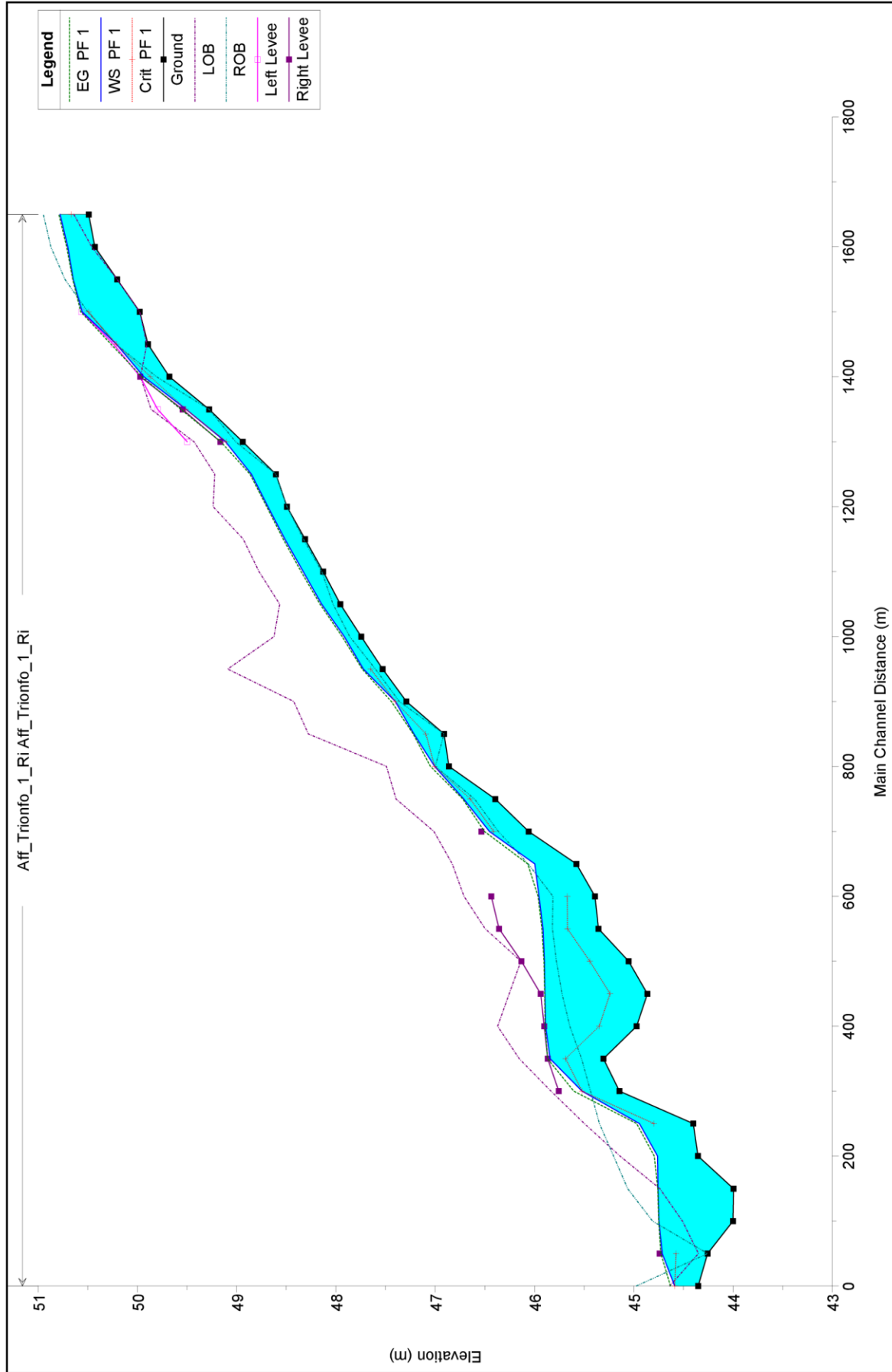


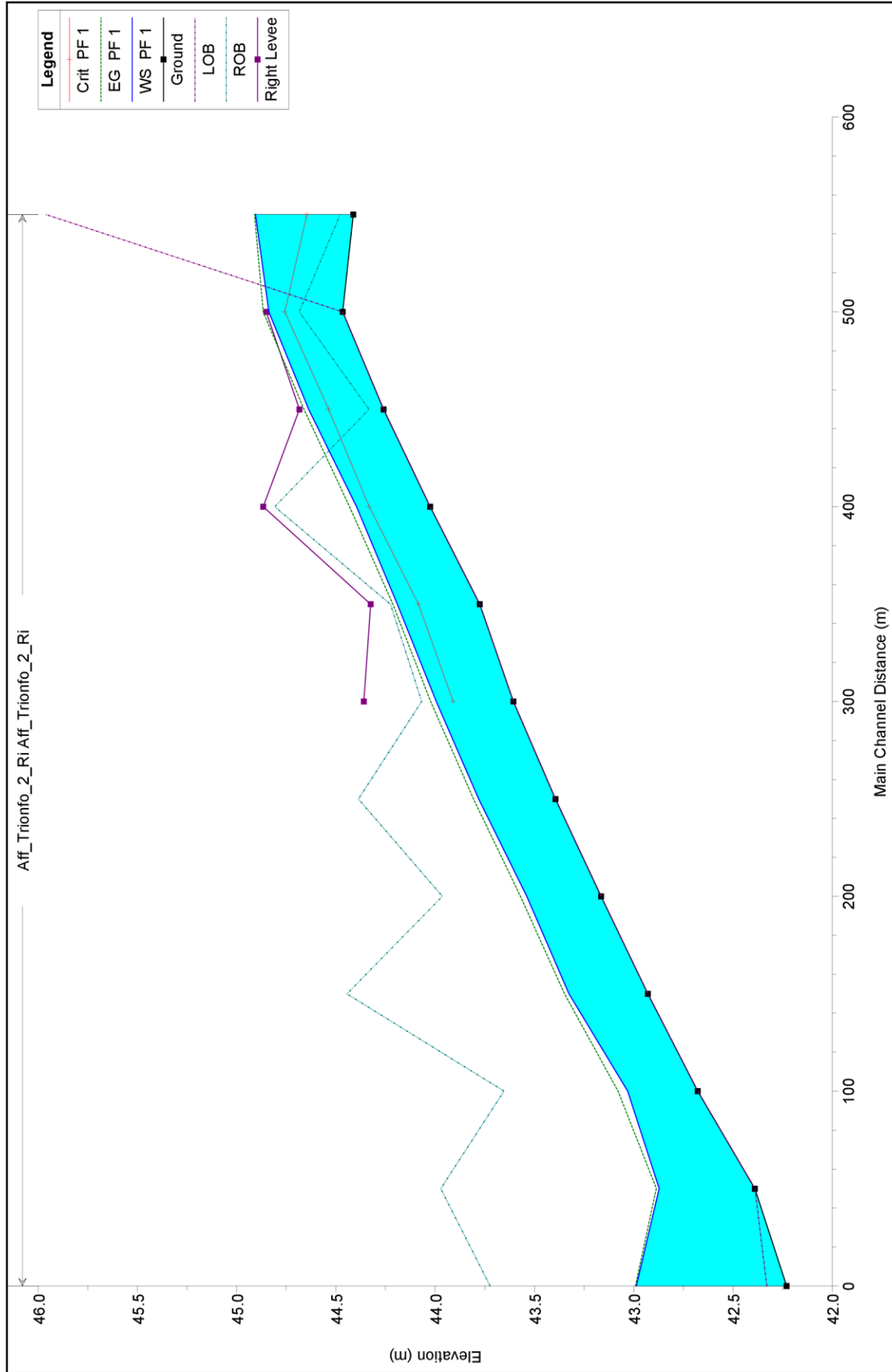


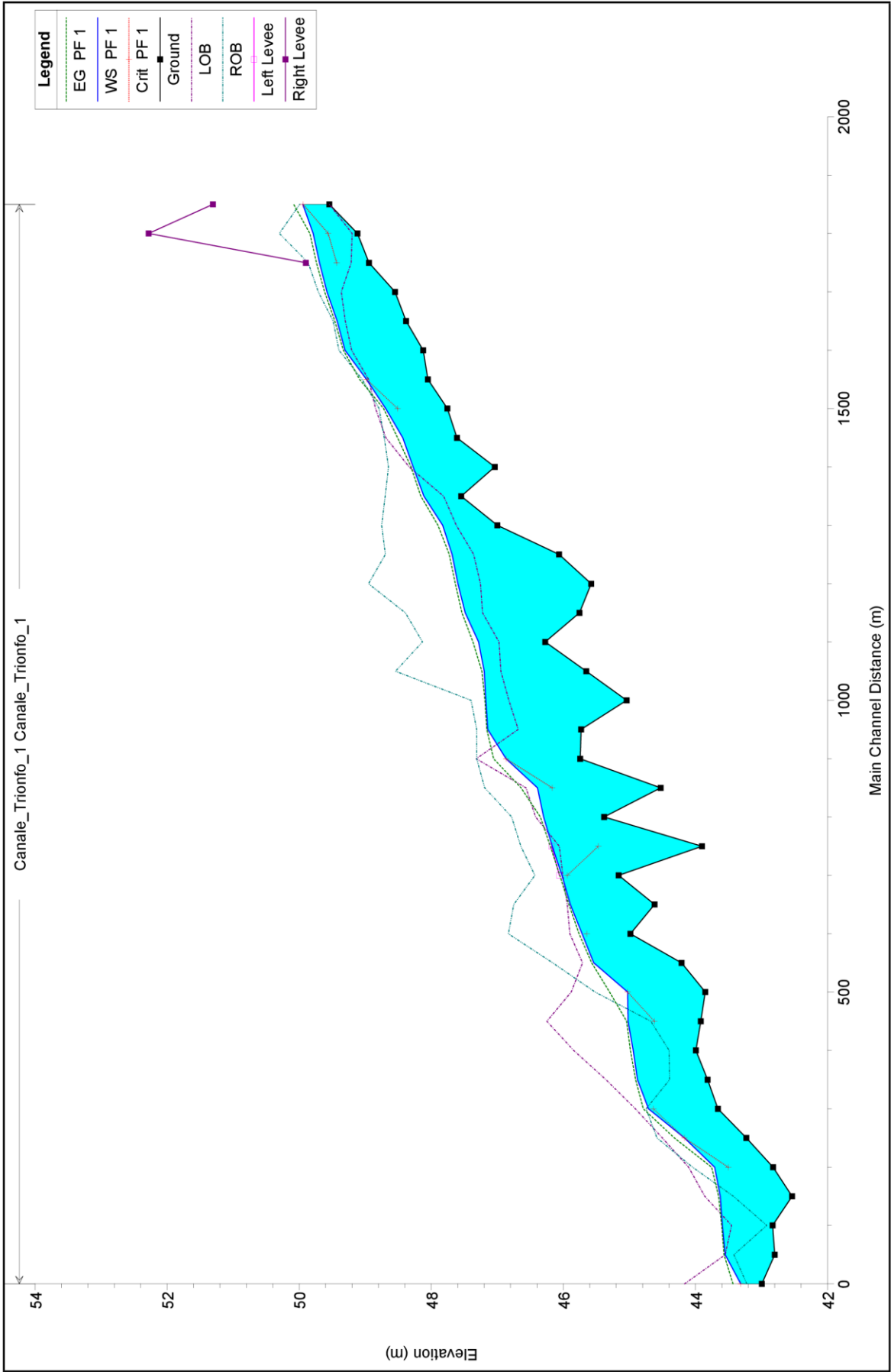


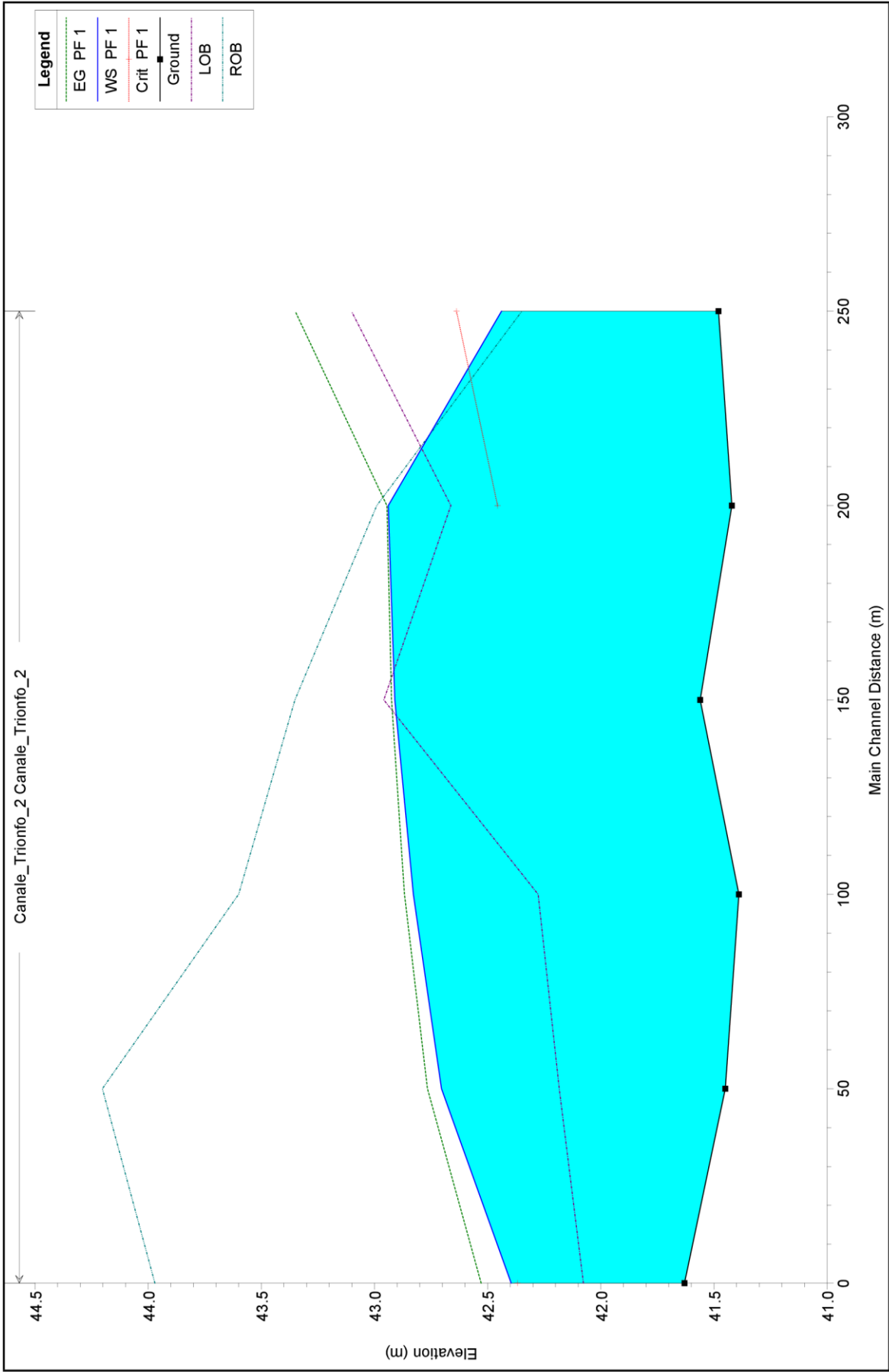


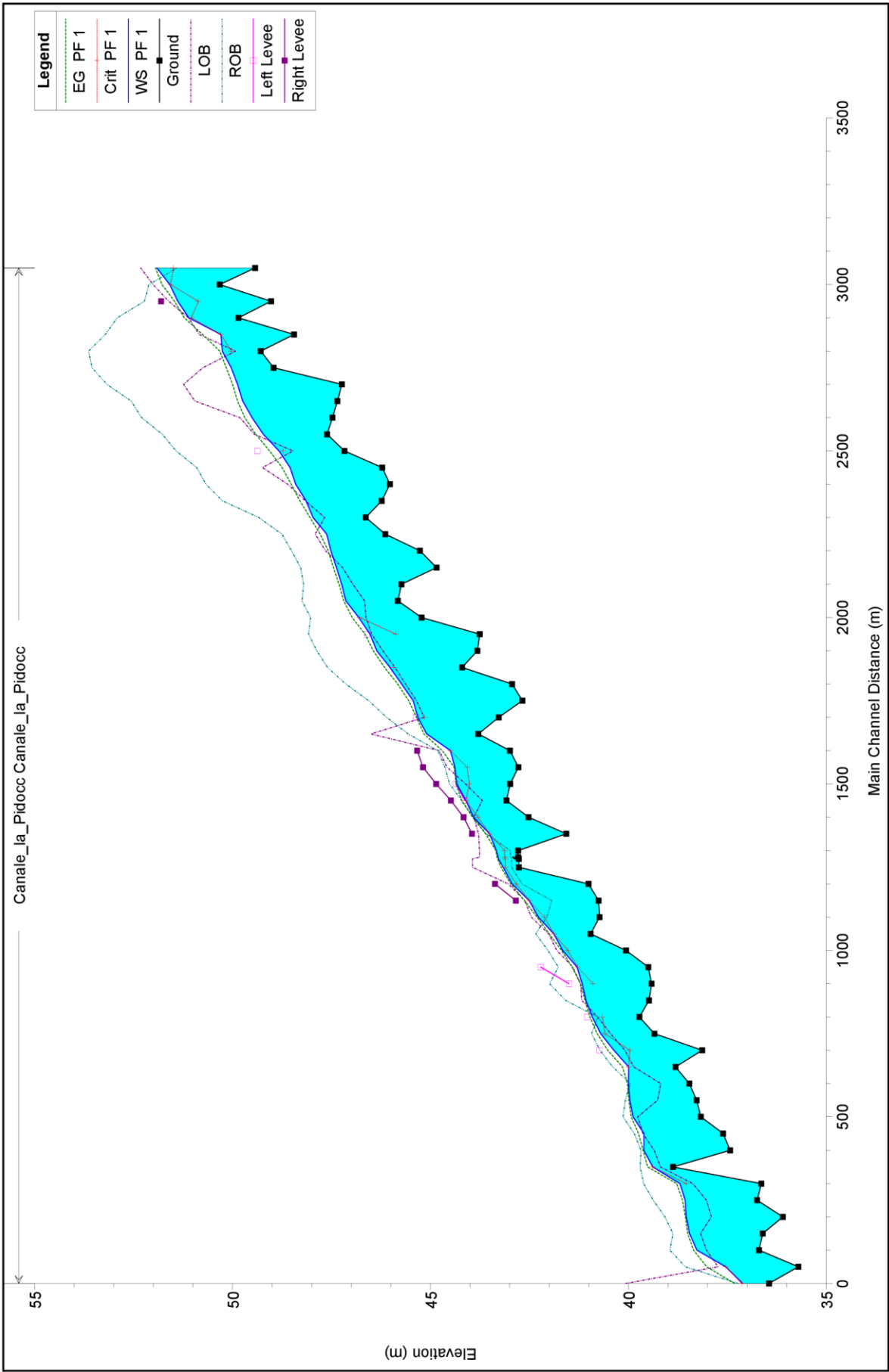












HEC-RAS Plan: Plan01 Profile: PF 1 (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Canale_la_Pidocc	Canale_la_Pidocc	365.32	PF 1	58.24	38.87	39.38	39.38	39.51	0.014481	1.63	35.79	138.34	1.02
Canale_la_Pidocc	Canale_la_Pidocc	315.32	PF 1	58.24	36.64	38.69	38.53	38.78	0.003873	1.30	44.91	90.22	0.59
Canale_la_Pidocc	Canale_la_Pidocc	265.32	PF 1	58.24	36.74	38.57		38.63	0.002193	1.09	53.27	90.06	0.45
Canale_la_Pidocc	Canale_la_Pidocc	215.32	PF 1	58.24	36.10	38.54		38.56	0.000692	0.70	83.00	114.97	0.26
Canale_la_Pidocc	Canale_la_Pidocc	165.32	PF 1	58.24	36.61	38.45		38.50	0.002227	1.00	58.47	115.61	0.45
Canale_la_Pidocc	Canale_la_Pidocc	115.32	PF 1	58.24	36.70	38.27		38.35	0.003944	1.27	45.95	97.15	0.59
Canale_la_Pidocc	Canale_la_Pidocc	65.32	PF 1	58.24	35.70	37.54	37.54	38.02	0.009708	3.07	18.98	20.68	1.02
Canale_la_Pidocc	Canale_la_Pidocc	15.32	PF 1	58.24	36.45	37.11	37.14	37.32	0.016436	2.00	29.18	91.40	1.13
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	495.23	PF 1	13.56	44.41	44.91	44.65	44.91	0.000329	0.29	46.27	136.63	0.16
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	545.23	PF 1	13.56	44.47	44.84	44.76	44.87	0.004587	0.75	18.15	95.02	0.55
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	495.23	PF 1	13.56	44.26	44.64	44.64	44.66	0.003643	0.69	19.83	97.25	0.49
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	445.23	PF 1	13.56	44.03	44.40	44.33	44.43	0.005952	0.83	16.26	87.63	0.62
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	395.23	PF 1	13.56	43.78	44.19	44.08	44.21	0.003255	0.66	20.40	98.33	0.47
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	345.23	PF 1	13.56	43.61	43.99	43.91	44.02	0.004496	0.75	18.12	93.19	0.54
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	295.23	PF 1	13.56	43.39	43.78		43.81	0.004181	0.72	18.85	97.37	0.52
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	245.23	PF 1	13.56	43.16	43.54		43.57	0.005412	0.80	16.95	90.56	0.59
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	195.23	PF 1	13.56	42.93	43.33		43.35	0.003580	0.68	20.02	100.78	0.49
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	145.23	PF 1	13.56	42.68	43.03		43.08	0.009113	0.97	13.94	82.19	0.75
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	95.23	PF 1	13.56	42.39	42.87		42.89	0.001935	0.54	24.90	109.53	0.36
Aff_Trionfo_2_Ri	Aff_Trionfo_2_Ri	45.23	PF 1	13.56	42.23	42.99		42.99	0.000190	0.29	47.41	95.66	0.13
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1688.21	PF 1	6.78	50.49	50.78	50.67	50.79	0.001761	0.50	13.60	63.82	0.34
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1638.21	PF 1	6.78	50.43	50.70		50.71	0.001445	0.46	14.59	65.43	0.31
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1588.21	PF 1	6.78	50.21	50.65		50.65	0.001022	0.33	20.82	122.83	0.25
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1538.21	PF 1	6.78	49.98	50.56	50.49	50.57	0.002924	0.50	13.59	93.20	0.42
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1488.21	PF 1	6.78	49.89	50.21	50.21	50.26	0.019185	1.01	6.68	64.80	1.01
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1438.21	PF 1	6.78	49.68	49.94	49.87	49.96	0.004238	0.62	11.02	72.96	0.51
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1388.21	PF 1	6.78	49.28	49.51	49.51	49.56	0.018446	1.01	6.73	64.02	0.99
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1338.21	PF 1	6.78	48.94	49.11	49.10	49.16	0.014026	0.95	7.10	59.73	0.88
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1288.21	PF 1	6.78	48.60	48.85		48.87	0.003064	0.54	12.67	80.86	0.43
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1238.21	PF 1	6.78	48.49	48.69		48.70	0.003644	0.50	13.60	110.15	0.45
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1188.21	PF 1	6.78	48.31	48.51		48.53	0.003077	0.58	11.69	66.30	0.44
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1138.21	PF 1	6.78	48.13	48.33		48.35	0.004266	0.66	10.25	61.02	0.52
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1088.21	PF 1	6.78	47.96	48.15		48.16	0.003316	0.57	11.99	74.88	0.45
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	1038.21	PF 1	6.78	47.75	47.92		47.94	0.008676	0.64	10.52	91.25	0.61
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	988.21	PF 1	6.78	47.53	47.72	47.65	47.74	0.002694	0.49	13.74	89.27	0.40
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	938.21	PF 1	6.78	47.29	47.40	47.40	47.44	0.020871	0.89	7.62	95.86	1.01
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	888.21	PF 1	6.78	46.91	47.21	47.09	47.22	0.001375	0.40	16.96	91.92	0.30
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	838.21	PF 1	6.78	46.86	47.01	47.01	47.05	0.019769	0.91	7.41	85.92	0.99
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	788.21	PF 1	6.78	46.40	46.71	46.65	46.72	0.002639	0.45	14.93	109.30	0.39
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	738.21	PF 1	6.78	46.06	46.45	46.41	46.50	0.008461	1.00	6.77	36.21	0.74
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	688.21	PF 1	6.78	45.58	46.00		46.07	0.008959	1.19	5.72	24.83	0.79
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	638.21	PF 1	6.78	45.39	45.95	45.67	45.96	0.000702	0.45	15.08	41.50	0.24
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	588.21	PF 1	6.78	45.35	45.91	45.67	45.93	0.000841	0.46	14.71	44.63	0.26
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	538.21	PF 1	6.78	45.05	45.90	45.44	45.90	0.000214	0.27	25.41	62.72	0.13
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	488.21	PF 1	6.78	44.86	45.90	45.24	45.90	0.000085	0.19	35.08	70.04	0.09
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	438.21	PF 1	6.78	44.97	45.89	45.35	45.89	0.000169	0.27	25.07	50.85	0.12
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	388.21	PF 1	6.78	45.30	45.84	45.69	45.87	0.002486	0.69	9.82	36.63	0.43
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	338.21	PF 1	6.78	45.14	45.52	45.52	45.60	0.016381	1.28	5.30	32.23	1.01
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	288.21	PF 1	6.78	44.40	44.94	44.79	44.97	0.002875	0.77	8.83	31.35	0.46
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	238.21	PF 1	6.78	44.35	44.76		44.79	0.004489	0.80	8.49	39.73	0.55
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	188.21	PF 1	6.78	44.00	44.75		44.76	0.000193	0.24	27.87	73.30	0.13
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	138.21	PF 1	6.78	44.00	44.75		44.75	0.000185	0.25	26.91	64.62	0.12
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	88.21	PF 1	6.78	44.26	44.71	44.57	44.73	0.001575	0.51	13.29	55.13	0.33
Aff_Trionfo_1_Ri	Aff_Trionfo_1_Ri	38.21	PF 1	6.78	44.35	44.59	44.59	44.63	0.020050	0.92	7.36	85.36	1.00



Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1688.21 Profile: PF 1

E.G. Elev (m)	50.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	50.78	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	50.67	Flow Area (m2)		13.60	
E.G. Slope (m/m)	0.001761	Area (m2)		13.60	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	63.82	Top Width (m)		63.82	
Vel Total (m/s)	0.50	Avg. Vel. (m/s)		0.50	
Max Chl Dpth (m)	0.29	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	161.5	Conv. (m3/s)		161.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		63.97	
Min Ch El (m)	50.49	Shear (N/m2)		3.67	
Alpha	1.00	Stream Power (N/m s)		1.83	
Frctn Loss (m)	0.08	Cum Volume (1000 m3)		22.54	
C & E Loss (m)	0.00	Cum SA (1000 m2)		111.90	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1638.21 Profile: PF 1

E.G. Elev (m)	50.71	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	50.70	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		14.59	
E.G. Slope (m/m)	0.001445	Area (m2)		14.59	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	65.43	Top Width (m)		65.43	
Vel Total (m/s)	0.46	Avg. Vel. (m/s)		0.46	
Max Chl Dpth (m)	0.27	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	178.4	Conv. (m3/s)		178.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		65.67	
Min Ch El (m)	50.43	Shear (N/m2)		3.15	
Alpha	1.00	Stream Power (N/m s)		1.46	
Frctn Loss (m)	0.06	Cum Volume (1000 m3)		21.83	
C & E Loss (m)	0.00	Cum SA (1000 m2)		108.67	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1588.21 Profile: PF 1

E.G. Elev (m)	50.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	50.65	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		20.82	
E.G. Slope (m/m)	0.001022	Area (m2)		20.82	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	122.83	Top Width (m)		122.83	
Vel Total (m/s)	0.33	Avg. Vel. (m/s)		0.33	
Max Chl Dpth (m)	0.44	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	212.1	Conv. (m3/s)		212.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		123.27	
Min Ch El (m)	50.21	Shear (N/m2)		1.69	
Alpha	1.00	Stream Power (N/m s)		0.55	
Frctn Loss (m)	0.08	Cum Volume (1000 m3)		20.95	
C & E Loss (m)	0.00	Cum SA (1000 m2)		103.96	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1538.21 Profile: PF 1

E.G. Elev (m)	50.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	50.56	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	50.49	Flow Area (m2)		13.59	
E.G. Slope (m/m)	0.002924	Area (m2)		13.59	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1538.21 Profile: PF 1 (Continued)

Top Width (m)	93.20	Top Width (m)		93.20	
Vel Total (m/s)	0.50	Avg. Vel. (m/s)		0.50	
Max Chl Dpth (m)	0.58	Hydr. Depth (m)		0.15	
Conv. Total (m3/s)	125.4	Conv. (m3/s)		125.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		93.26	
Min Ch El (m)	49.98	Shear (N/m2)		4.18	
Alpha	1.00	Stream Power (N/m s)		2.08	
Frctn Loss (m)	0.30	Cum Volume (1000 m3)		20.09	
C & E Loss (m)	0.00	Cum SA (1000 m2)		98.56	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1488.21 Profile: PF 1

E.G. Elev (m)	50.26	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	50.21	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	50.21	Flow Area (m2)		6.68	
E.G. Slope (m/m)	0.019185	Area (m2)		6.68	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	64.80	Top Width (m)		64.80	
Vel Total (m/s)	1.01	Avg. Vel. (m/s)		1.01	
Max Chl Dpth (m)	0.32	Hydr. Depth (m)		0.10	
Conv. Total (m3/s)	48.9	Conv. (m3/s)		48.9	
Length Wtd. (m)		Wetted Per. (m)		64.80	
Min Ch El (m)	49.89	Shear (N/m2)		19.39	
Alpha	1.00	Stream Power (N/m s)		19.68	
Frctn Loss (m)		Cum Volume (1000 m3)		19.58	
C & E Loss (m)		Cum SA (1000 m2)		94.61	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1438.21 Profile: PF 1

E.G. Elev (m)	49.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	49.94	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	49.87	Flow Area (m2)		11.02	
E.G. Slope (m/m)	0.004238	Area (m2)		11.02	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	72.96	Top Width (m)		72.96	
Vel Total (m/s)	0.62	Avg. Vel. (m/s)		0.62	
Max Chl Dpth (m)	0.26	Hydr. Depth (m)		0.15	
Conv. Total (m3/s)	104.1	Conv. (m3/s)		104.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		72.96	
Min Ch El (m)	49.68	Shear (N/m2)		6.28	
Alpha	1.00	Stream Power (N/m s)		3.86	
Frctn Loss (m)	0.39	Cum Volume (1000 m3)		19.14	
C & E Loss (m)	0.00	Cum SA (1000 m2)		91.17	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1388.21 Profile: PF 1

E.G. Elev (m)	49.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	49.51	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	49.51	Flow Area (m2)		6.73	
E.G. Slope (m/m)	0.018446	Area (m2)		6.73	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	64.02	Top Width (m)		64.02	
Vel Total (m/s)	1.01	Avg. Vel. (m/s)		1.01	
Max Chl Dpth (m)	0.23	Hydr. Depth (m)		0.11	
Conv. Total (m3/s)	49.9	Conv. (m3/s)		49.9	
Length Wtd. (m)		Wetted Per. (m)		64.02	
Min Ch El (m)	49.28	Shear (N/m2)		19.01	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1388.21 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		19.16	
Frctn Loss (m)		Cum Volume (1000 m3)		18.69	
C & E Loss (m)		Cum SA (1000 m2)		87.74	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1338.21 Profile: PF 1

E.G. Elev (m)	49.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	49.11	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	49.10	Flow Area (m2)		7.10	
E.G. Slope (m/m)	0.014026	Area (m2)		7.10	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	59.73	Top Width (m)		59.73	
Vel Total (m/s)	0.95	Avg. Vel. (m/s)		0.95	
Max Chl Dpth (m)	0.17	Hydr. Depth (m)		0.12	
Conv. Total (m3/s)	57.2	Conv. (m3/s)		57.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		59.73	
Min Ch El (m)	48.94	Shear (N/m2)		16.36	
Alpha	1.00	Stream Power (N/m s)		15.61	
Frctn Loss (m)	0.28	Cum Volume (1000 m3)		18.35	
C & E Loss (m)	0.01	Cum SA (1000 m2)		84.65	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1288.21 Profile: PF 1

E.G. Elev (m)	48.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	48.85	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		12.67	
E.G. Slope (m/m)	0.003064	Area (m2)		12.67	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	80.86	Top Width (m)		80.86	
Vel Total (m/s)	0.54	Avg. Vel. (m/s)		0.54	
Max Chl Dpth (m)	0.25	Hydr. Depth (m)		0.16	
Conv. Total (m3/s)	122.5	Conv. (m3/s)		122.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		81.10	
Min Ch El (m)	48.60	Shear (N/m2)		4.69	
Alpha	1.00	Stream Power (N/m s)		2.51	
Frctn Loss (m)	0.17	Cum Volume (1000 m3)		17.85	
C & E Loss (m)	0.00	Cum SA (1000 m2)		81.14	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1238.21 Profile: PF 1

E.G. Elev (m)	48.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	48.69	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		13.60	
E.G. Slope (m/m)	0.003644	Area (m2)		13.60	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	110.15	Top Width (m)		110.15	
Vel Total (m/s)	0.50	Avg. Vel. (m/s)		0.50	
Max Chl Dpth (m)	0.19	Hydr. Depth (m)		0.12	
Conv. Total (m3/s)	112.3	Conv. (m3/s)		112.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		110.34	
Min Ch El (m)	48.49	Shear (N/m2)		4.41	
Alpha	1.00	Stream Power (N/m s)		2.20	
Frctn Loss (m)	0.17	Cum Volume (1000 m3)		17.20	
C & E Loss (m)	0.00	Cum SA (1000 m2)		76.36	



Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1188.21 Profile: PF 1

E.G. Elev (m)	48.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	48.51	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		11.69	
E.G. Slope (m/m)	0.003077	Area (m2)		11.69	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	66.30	Top Width (m)		66.30	
Vel Total (m/s)	0.58	Avg. Vel. (m/s)		0.58	
Max Chl Dpth (m)	0.20	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	122.2	Conv. (m3/s)		122.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		66.49	
Min Ch El (m)	48.31	Shear (N/m2)		5.30	
Alpha	1.00	Stream Power (N/m s)		3.08	
Frctn Loss (m)	0.18	Cum Volume (1000 m3)		16.56	
C & E Loss (m)	0.00	Cum SA (1000 m2)		71.95	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1138.21 Profile: PF 1

E.G. Elev (m)	48.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	48.33	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		10.25	
E.G. Slope (m/m)	0.004266	Area (m2)		10.25	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	61.02	Top Width (m)		61.02	
Vel Total (m/s)	0.66	Avg. Vel. (m/s)		0.66	
Max Chl Dpth (m)	0.20	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	103.8	Conv. (m3/s)		103.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		61.21	
Min Ch El (m)	48.13	Shear (N/m2)		7.01	
Alpha	1.00	Stream Power (N/m s)		4.63	
Frctn Loss (m)	0.19	Cum Volume (1000 m3)		16.02	
C & E Loss (m)	0.00	Cum SA (1000 m2)		68.77	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1088.21 Profile: PF 1

E.G. Elev (m)	48.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	48.15	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		11.99	
E.G. Slope (m/m)	0.003316	Area (m2)		11.99	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	74.88	Top Width (m)		74.88	
Vel Total (m/s)	0.57	Avg. Vel. (m/s)		0.57	
Max Chl Dpth (m)	0.19	Hydr. Depth (m)		0.16	
Conv. Total (m3/s)	117.7	Conv. (m3/s)		117.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		75.01	
Min Ch El (m)	47.96	Shear (N/m2)		5.20	
Alpha	1.00	Stream Power (N/m s)		2.94	
Frctn Loss (m)	0.23	Cum Volume (1000 m3)		15.46	
C & E Loss (m)	0.00	Cum SA (1000 m2)		65.37	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1038.21 Profile: PF 1

E.G. Elev (m)	47.94	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	47.92	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		10.52	
E.G. Slope (m/m)	0.006676	Area (m2)		10.52	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 1038.21 Profile: PF 1 (Continued)

Top Width (m)	91.25	Top Width (m)		91.25	
Vel Total (m/s)	0.64	Avg. Vel. (m/s)		0.64	
Max Chl Dpth (m)	0.17	Hydr. Depth (m)		0.12	
Conv. Total (m3/s)	83.0	Conv. (m3/s)		83.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		91.30	
Min Ch El (m)	47.75	Shear (N/m2)		7.54	
Alpha	1.00	Stream Power (N/m s)		4.86	
Frctn Loss (m)	0.20	Cum Volume (1000 m3)		14.90	
C & E Loss (m)	0.00	Cum SA (1000 m2)		61.22	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 988.21 Profile: PF 1

E.G. Elev (m)	47.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	47.72	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	47.65	Flow Area (m2)		13.74	
E.G. Slope (m/m)	0.002664	Area (m2)		13.74	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	89.27	Top Width (m)		89.27	
Vel Total (m/s)	0.49	Avg. Vel. (m/s)		0.49	
Max Chl Dpth (m)	0.19	Hydr. Depth (m)		0.15	
Conv. Total (m3/s)	131.4	Conv. (m3/s)		131.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		89.39	
Min Ch El (m)	47.53	Shear (N/m2)		4.01	
Alpha	1.00	Stream Power (N/m s)		1.98	
Frctn Loss (m)	0.29	Cum Volume (1000 m3)		14.29	
C & E Loss (m)	0.00	Cum SA (1000 m2)		56.70	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 938.21 Profile: PF 1

E.G. Elev (m)	47.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	47.40	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	47.40	Flow Area (m2)		7.62	
E.G. Slope (m/m)	0.020871	Area (m2)		7.62	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	95.86	Top Width (m)		95.86	
Vel Total (m/s)	0.89	Avg. Vel. (m/s)		0.89	
Max Chl Dpth (m)	0.11	Hydr. Depth (m)		0.08	
Conv. Total (m3/s)	46.9	Conv. (m3/s)		46.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		95.90	
Min Ch El (m)	47.29	Shear (N/m2)		16.26	
Alpha	1.00	Stream Power (N/m s)		14.47	
Frctn Loss (m)	0.17	Cum Volume (1000 m3)		13.76	
C & E Loss (m)	0.01	Cum SA (1000 m2)		52.08	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 888.21 Profile: PF 1

E.G. Elev (m)	47.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	47.21	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	47.09	Flow Area (m2)		16.96	
E.G. Slope (m/m)	0.001375	Area (m2)		16.96	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	91.92	Top Width (m)		91.92	
Vel Total (m/s)	0.40	Avg. Vel. (m/s)		0.40	
Max Chl Dpth (m)	0.30	Hydr. Depth (m)		0.18	
Conv. Total (m3/s)	182.8	Conv. (m3/s)		182.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		92.22	
Min Ch El (m)	46.91	Shear (N/m2)		2.48	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 888.21 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		0.99	
Frctn Loss (m)	0.17	Cum Volume (1000 m3)		13.14	
C & E Loss (m)	0.00	Cum SA (1000 m2)		47.38	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 838.21 Profile: PF 1

E.G. Elev (m)	47.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	47.01	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	47.01	Flow Area (m2)		7.41	
E.G. Slope (m/m)	0.019769	Area (m2)		7.41	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	85.92	Top Width (m)		85.92	
Vel Total (m/s)	0.91	Avg. Vel. (m/s)		0.91	
Max Chl Dpth (m)	0.15	Hydr. Depth (m)		0.09	
Conv. Total (m3/s)	48.2	Conv. (m3/s)		48.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		85.93	
Min Ch El (m)	46.86	Shear (N/m2)		16.72	
Alpha	1.00	Stream Power (N/m s)		15.30	
Frctn Loss (m)	0.28	Cum Volume (1000 m3)		12.53	
C & E Loss (m)	0.01	Cum SA (1000 m2)		42.94	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 788.21 Profile: PF 1

E.G. Elev (m)	46.72	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	46.71	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	46.65	Flow Area (m2)		14.93	
E.G. Slope (m/m)	0.002639	Area (m2)		14.93	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	109.30	Top Width (m)		109.30	
Vel Total (m/s)	0.45	Avg. Vel. (m/s)		0.45	
Max Chl Dpth (m)	0.32	Hydr. Depth (m)		0.14	
Conv. Total (m3/s)	132.0	Conv. (m3/s)		132.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		109.42	
Min Ch El (m)	46.40	Shear (N/m2)		3.53	
Alpha	1.00	Stream Power (N/m s)		1.60	
Frctn Loss (m)	0.22	Cum Volume (1000 m3)		11.97	
C & E Loss (m)	0.00	Cum SA (1000 m2)		38.05	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 738.21 Profile: PF 1

E.G. Elev (m)	46.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	46.45	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	46.41	Flow Area (m2)		6.77	
E.G. Slope (m/m)	0.008461	Area (m2)		6.77	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	36.21	Top Width (m)		36.21	
Vel Total (m/s)	1.00	Avg. Vel. (m/s)		1.00	
Max Chl Dpth (m)	0.39	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	73.7	Conv. (m3/s)		73.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		36.22	
Min Ch El (m)	46.06	Shear (N/m2)		15.50	
Alpha	1.00	Stream Power (N/m s)		15.53	
Frctn Loss (m)	0.44	Cum Volume (1000 m3)		11.43	
C & E Loss (m)	0.00	Cum SA (1000 m2)		34.42	



Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 688.21 Profile: PF 1

E.G. Elev (m)	46.07	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	46.00	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		5.72	
E.G. Slope (m/m)	0.008959	Area (m2)		5.72	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	24.83	Top Width (m)		24.83	
Vel Total (m/s)	1.19	Avg. Vel. (m/s)		1.19	
Max Chl Dpth (m)	0.42	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	71.6	Conv. (m3/s)		71.6	
Length Wtd. (m)	50.00	Wetted Per. (m)		24.84	
Min Ch El (m)	45.58	Shear (N/m2)		20.23	
Alpha	1.00	Stream Power (N/m s)		23.98	
Frctn Loss (m)	0.09	Cum Volume (1000 m3)		11.12	
C & E Loss (m)	0.02	Cum SA (1000 m2)		32.89	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 638.21 Profile: PF 1

E.G. Elev (m)	45.96	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	45.95	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.67	Flow Area (m2)		15.08	
E.G. Slope (m/m)	0.000702	Area (m2)		15.08	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	41.50	Top Width (m)		41.50	
Vel Total (m/s)	0.45	Avg. Vel. (m/s)		0.45	
Max Chl Dpth (m)	0.56	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	255.9	Conv. (m3/s)		255.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		41.53	
Min Ch El (m)	45.39	Shear (N/m2)		2.50	
Alpha	1.00	Stream Power (N/m s)		1.12	
Frctn Loss (m)	0.04	Cum Volume (1000 m3)		10.60	
C & E Loss (m)	0.00	Cum SA (1000 m2)		31.23	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 588.21 Profile: PF 1

E.G. Elev (m)	45.93	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	45.91	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.67	Flow Area (m2)		14.71	
E.G. Slope (m/m)	0.000841	Area (m2)		14.71	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	44.63	Top Width (m)		44.63	
Vel Total (m/s)	0.46	Avg. Vel. (m/s)		0.46	
Max Chl Dpth (m)	0.56	Hydr. Depth (m)		0.33	
Conv. Total (m3/s)	233.8	Conv. (m3/s)		233.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		44.65	
Min Ch El (m)	45.35	Shear (N/m2)		2.72	
Alpha	1.00	Stream Power (N/m s)		1.25	
Frctn Loss (m)	0.02	Cum Volume (1000 m3)		9.86	
C & E Loss (m)	0.00	Cum SA (1000 m2)		29.08	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 538.21 Profile: PF 1

E.G. Elev (m)	45.90	Element	Left OB	Channel	Right OB
Vel Head (m)	0.00	Wt. n-Val.		0.030	
W.S. Elev (m)	45.90	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.44	Flow Area (m2)		25.41	
E.G. Slope (m/m)	0.000214	Area (m2)		25.41	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 538.21 Profile: PF 1 (Continued)

Top Width (m)	62.72	Top Width (m)		62.72	
Vel Total (m/s)	0.27	Avg. Vel. (m/s)		0.27	
Max Chl Dpth (m)	0.85	Hydr. Depth (m)		0.41	
Conv. Total (m3/s)	463.5	Conv. (m3/s)		463.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		62.77	
Min Ch El (m)	45.05	Shear (N/m2)		0.85	
Alpha	1.00	Stream Power (N/m s)		0.23	
Frctn Loss (m)	0.01	Cum Volume (1000 m3)		8.85	
C & E Loss (m)	0.00	Cum SA (1000 m2)		26.40	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 488.21 Profile: PF 1

E.G. Elev (m)	45.90	Element	Left OB	Channel	Right OB
Vel Head (m)	0.00	Wt. n-Val.		0.030	
W.S. Elev (m)	45.90	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.24	Flow Area (m2)		35.08	
E.G. Slope (m/m)	0.000085	Area (m2)		35.08	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	70.04	Top Width (m)		70.04	
Vel Total (m/s)	0.19	Avg. Vel. (m/s)		0.19	
Max Chl Dpth (m)	1.03	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	737.1	Conv. (m3/s)		737.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		70.07	
Min Ch El (m)	44.86	Shear (N/m2)		0.42	
Alpha	1.00	Stream Power (N/m s)		0.08	
Frctn Loss (m)	0.01	Cum Volume (1000 m3)		7.34	
C & E Loss (m)	0.00	Cum SA (1000 m2)		23.08	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 438.21 Profile: PF 1

E.G. Elev (m)	45.89	Element	Left OB	Channel	Right OB
Vel Head (m)	0.00	Wt. n-Val.		0.030	
W.S. Elev (m)	45.89	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.35	Flow Area (m2)		25.07	
E.G. Slope (m/m)	0.000169	Area (m2)		25.07	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	50.85	Top Width (m)		50.85	
Vel Total (m/s)	0.27	Avg. Vel. (m/s)		0.27	
Max Chl Dpth (m)	0.92	Hydr. Depth (m)		0.49	
Conv. Total (m3/s)	521.3	Conv. (m3/s)		521.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		50.88	
Min Ch El (m)	44.97	Shear (N/m2)		0.82	
Alpha	1.00	Stream Power (N/m s)		0.22	
Frctn Loss (m)	0.02	Cum Volume (1000 m3)		5.84	
C & E Loss (m)	0.00	Cum SA (1000 m2)		20.06	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 388.21 Profile: PF 1

E.G. Elev (m)	45.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	45.84	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.69	Flow Area (m2)		9.82	
E.G. Slope (m/m)	0.002486	Area (m2)		9.82	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	36.63	Top Width (m)		36.63	
Vel Total (m/s)	0.69	Avg. Vel. (m/s)		0.69	
Max Chl Dpth (m)	0.54	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	136.0	Conv. (m3/s)		136.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		36.65	
Min Ch El (m)	45.30	Shear (N/m2)		6.53	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 388.21 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		4.51	
Frctn Loss (m)	0.26	Cum Volume (1000 m3)		4.96	
C & E Loss (m)	0.01	Cum SA (1000 m2)		17.87	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 338.21 Profile: PF 1

E.G. Elev (m)	45.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	45.52	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.52	Flow Area (m2)		5.30	
E.G. Slope (m/m)	0.016381	Area (m2)		5.30	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	32.23	Top Width (m)		32.23	
Vel Total (m/s)	1.28	Avg. Vel. (m/s)		1.28	
Max Chl Dpth (m)	0.38	Hydr. Depth (m)		0.16	
Conv. Total (m3/s)	53.0	Conv. (m3/s)		53.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		32.25	
Min Ch El (m)	45.14	Shear (N/m2)		26.39	
Alpha	1.00	Stream Power (N/m s)		33.78	
Frctn Loss (m)	0.29	Cum Volume (1000 m3)		4.59	
C & E Loss (m)	0.02	Cum SA (1000 m2)		16.15	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 288.21 Profile: PF 1

E.G. Elev (m)	44.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	44.94	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.79	Flow Area (m2)		8.83	
E.G. Slope (m/m)	0.002875	Area (m2)		8.83	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	31.35	Top Width (m)		31.35	
Vel Total (m/s)	0.77	Avg. Vel. (m/s)		0.77	
Max Chl Dpth (m)	0.54	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	126.4	Conv. (m3/s)		126.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		31.37	
Min Ch El (m)	44.40	Shear (N/m2)		7.94	
Alpha	1.00	Stream Power (N/m s)		6.10	
Frctn Loss (m)	0.18	Cum Volume (1000 m3)		4.23	
C & E Loss (m)	0.00	Cum SA (1000 m2)		14.56	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 238.21 Profile: PF 1

E.G. Elev (m)	44.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	44.76	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		8.49	
E.G. Slope (m/m)	0.004489	Area (m2)		8.49	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	39.73	Top Width (m)		39.73	
Vel Total (m/s)	0.80	Avg. Vel. (m/s)		0.80	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	101.2	Conv. (m3/s)		101.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		39.74	
Min Ch El (m)	44.35	Shear (N/m2)		9.41	
Alpha	1.00	Stream Power (N/m s)		7.51	
Frctn Loss (m)	0.03	Cum Volume (1000 m3)		3.80	
C & E Loss (m)	0.01	Cum SA (1000 m2)		12.78	



Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 188.21 Profile: PF 1

E.G. Elev (m)	44.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.00	Wt. n-Val.		0.030	
W.S. Elev (m)	44.75	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		27.87	
E.G. Slope (m/m)	0.000193	Area (m2)		27.87	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	73.30	Top Width (m)		73.30	
Vel Total (m/s)	0.24	Avg. Vel. (m/s)		0.24	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	487.5	Conv. (m3/s)		487.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		73.34	
Min Ch El (m)	44.00	Shear (N/m2)		0.72	
Alpha	1.00	Stream Power (N/m s)		0.18	
Frctn Loss (m)	0.01	Cum Volume (1000 m3)		2.89	
C & E Loss (m)	0.00	Cum SA (1000 m2)		9.95	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 138.21 Profile: PF 1

E.G. Elev (m)	44.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.00	Wt. n-Val.		0.030	
W.S. Elev (m)	44.75	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		26.91	
E.G. Slope (m/m)	0.000185	Area (m2)		26.91	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	64.62	Top Width (m)		64.62	
Vel Total (m/s)	0.25	Avg. Vel. (m/s)		0.25	
Max Chl Dpth (m)	0.75	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	499.0	Conv. (m3/s)		499.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		64.88	
Min Ch El (m)	44.00	Shear (N/m2)		0.75	
Alpha	1.00	Stream Power (N/m s)		0.19	
Frctn Loss (m)	0.02	Cum Volume (1000 m3)		1.52	
C & E Loss (m)	0.00	Cum SA (1000 m2)		6.51	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 88.21 Profile: PF 1

E.G. Elev (m)	44.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	44.71	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.57	Flow Area (m2)		13.29	
E.G. Slope (m/m)	0.001575	Area (m2)		13.29	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	
Top Width (m)	55.13	Top Width (m)		55.13	
Vel Total (m/s)	0.51	Avg. Vel. (m/s)		0.51	
Max Chl Dpth (m)	0.46	Hydr. Depth (m)		0.24	
Conv. Total (m3/s)	170.9	Conv. (m3/s)		170.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		55.50	
Min Ch El (m)	44.26	Shear (N/m2)		3.70	
Alpha	1.00	Stream Power (N/m s)		1.89	
Frctn Loss (m)	0.15	Cum Volume (1000 m3)		0.52	
C & E Loss (m)	0.00	Cum SA (1000 m2)		3.51	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 38.21 Profile: PF 1

E.G. Elev (m)	44.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	44.59	Reach Len. (m)			
Crit W.S. (m)	44.59	Flow Area (m2)		7.36	
E.G. Slope (m/m)	0.020050	Area (m2)		7.36	
Q Total (m3/s)	6.78	Flow (m3/s)		6.78	

Plan: Plan01 Aff_Trionfo_1_Ri Aff_Trionfo_1_Ri RS: 38.21 Profile: PF 1 (Continued)

Top Width (m)	85.36	Top Width (m)		85.36	
Vel Total (m/s)	0.92	Avg. Vel. (m/s)		0.92	
Max Chl Dpth (m)	0.24	Hydr. Depth (m)		0.09	
Conv. Total (m3/s)	47.9	Conv. (m3/s)		47.9	
Length Wtd. (m)		Wetted Per. (m)		85.36	
Min Ch El (m)	44.35	Shear (N/m2)		16.95	
Alpha	1.00	Stream Power (N/m s)		15.62	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 595.23 Profile: PF 1

E.G. Elev (m)	44.91	Element	Left OB	Channel	Right OB
Vel Head (m)	0.00	Wt. n-Val.		0.030	
W.S. Elev (m)	44.91	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.65	Flow Area (m2)		46.27	
E.G. Slope (m/m)	0.000329	Area (m2)		46.27	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	136.63	Top Width (m)		136.63	
Vel Total (m/s)	0.29	Avg. Vel. (m/s)		0.29	
Max Chl Dpth (m)	0.49	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	747.7	Conv. (m3/s)		747.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		137.07	
Min Ch El (m)	44.41	Shear (N/m2)		1.09	
Alpha	1.00	Stream Power (N/m s)		0.32	
Frctn Loss (m)	0.04	Cum Volume (1000 m3)		11.70	
C & E Loss (m)	0.00	Cum SA (1000 m2)		53.40	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 545.23 Profile: PF 1

E.G. Elev (m)	44.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	44.84	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.76	Flow Area (m2)		18.15	
E.G. Slope (m/m)	0.004587	Area (m2)		18.15	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	95.02	Top Width (m)		95.02	
Vel Total (m/s)	0.75	Avg. Vel. (m/s)		0.75	
Max Chl Dpth (m)	0.37	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	200.2	Conv. (m3/s)		200.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		95.40	
Min Ch El (m)	44.47	Shear (N/m2)		8.56	
Alpha	1.00	Stream Power (N/m s)		6.39	
Frctn Loss (m)	0.20	Cum Volume (1000 m3)		10.09	
C & E Loss (m)	0.00	Cum SA (1000 m2)		47.61	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 495.23 Profile: PF 1

E.G. Elev (m)	44.66	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	44.64	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.54	Flow Area (m2)		19.63	
E.G. Slope (m/m)	0.003643	Area (m2)		19.63	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	97.25	Top Width (m)		97.25	
Vel Total (m/s)	0.69	Avg. Vel. (m/s)		0.69	
Max Chl Dpth (m)	0.38	Hydr. Depth (m)		0.20	
Conv. Total (m3/s)	224.7	Conv. (m3/s)		224.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		97.63	
Min Ch El (m)	44.26	Shear (N/m2)		7.19	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 495.23 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		4.96	
Frctn Loss (m)	0.23	Cum Volume (1000 m3)		9.15	
C & E Loss (m)	0.00	Cum SA (1000 m2)		42.80	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 445.23 Profile: PF 1

E.G. Elev (m)	44.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	44.40	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.33	Flow Area (m2)		16.26	
E.G. Slope (m/m)	0.005952	Area (m2)		16.26	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	87.63	Top Width (m)		87.63	
Vel Total (m/s)	0.83	Avg. Vel. (m/s)		0.83	
Max Chl Dpth (m)	0.37	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	175.8	Conv. (m3/s)		175.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		88.00	
Min Ch El (m)	44.03	Shear (N/m2)		10.78	
Alpha	1.00	Stream Power (N/m s)		8.99	
Frctn Loss (m)	0.22	Cum Volume (1000 m3)		8.25	
C & E Loss (m)	0.00	Cum SA (1000 m2)		38.18	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 395.23 Profile: PF 1

E.G. Elev (m)	44.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	44.19	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.08	Flow Area (m2)		20.40	
E.G. Slope (m/m)	0.003255	Area (m2)		20.40	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	98.33	Top Width (m)		98.33	
Vel Total (m/s)	0.66	Avg. Vel. (m/s)		0.66	
Max Chl Dpth (m)	0.41	Hydr. Depth (m)		0.21	
Conv. Total (m3/s)	237.7	Conv. (m3/s)		237.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		98.74	
Min Ch El (m)	43.78	Shear (N/m2)		6.59	
Alpha	1.00	Stream Power (N/m s)		4.38	
Frctn Loss (m)	0.19	Cum Volume (1000 m3)		7.33	
C & E Loss (m)	0.00	Cum SA (1000 m2)		33.53	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 345.23 Profile: PF 1

E.G. Elev (m)	44.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	43.99	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	43.91	Flow Area (m2)		18.12	
E.G. Slope (m/m)	0.004496	Area (m2)		18.12	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	93.19	Top Width (m)		93.19	
Vel Total (m/s)	0.75	Avg. Vel. (m/s)		0.75	
Max Chl Dpth (m)	0.39	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	202.2	Conv. (m3/s)		202.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		93.58	
Min Ch El (m)	43.61	Shear (N/m2)		8.54	
Alpha	1.00	Stream Power (N/m s)		6.39	
Frctn Loss (m)	0.22	Cum Volume (1000 m3)		6.37	
C & E Loss (m)	0.00	Cum SA (1000 m2)		28.74	



Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 295.23 Profile: PF 1

E.G. Elev (m)	43.81	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	43.78	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		18.85	
E.G. Slope (m/m)	0.004181	Area (m2)		18.85	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	97.37	Top Width (m)		97.37	
Vel Total (m/s)	0.72	Avg. Vel. (m/s)		0.72	
Max Chl Dpth (m)	0.39	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	209.7	Conv. (m3/s)		209.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		97.76	
Min Ch El (m)	43.39	Shear (N/m2)		7.91	
Alpha	1.00	Stream Power (N/m s)		5.69	
Frctn Loss (m)	0.24	Cum Volume (1000 m3)		5.45	
C & E Loss (m)	0.00	Cum SA (1000 m2)		23.98	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 245.23 Profile: PF 1

E.G. Elev (m)	43.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	43.54	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		16.95	
E.G. Slope (m/m)	0.005412	Area (m2)		16.95	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	90.56	Top Width (m)		90.56	
Vel Total (m/s)	0.80	Avg. Vel. (m/s)		0.80	
Max Chl Dpth (m)	0.37	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	184.3	Conv. (m3/s)		184.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		90.93	
Min Ch El (m)	43.16	Shear (N/m2)		9.89	
Alpha	1.00	Stream Power (N/m s)		7.91	
Frctn Loss (m)	0.22	Cum Volume (1000 m3)		4.55	
C & E Loss (m)	0.00	Cum SA (1000 m2)		19.28	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 195.23 Profile: PF 1

E.G. Elev (m)	43.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	43.33	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		20.02	
E.G. Slope (m/m)	0.003580	Area (m2)		20.02	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	100.78	Top Width (m)		100.78	
Vel Total (m/s)	0.68	Avg. Vel. (m/s)		0.68	
Max Chl Dpth (m)	0.40	Hydr. Depth (m)		0.20	
Conv. Total (m3/s)	226.6	Conv. (m3/s)		226.6	
Length Wtd. (m)	50.00	Wetted Per. (m)		101.18	
Min Ch El (m)	42.93	Shear (N/m2)		6.95	
Alpha	1.00	Stream Power (N/m s)		4.71	
Frctn Loss (m)	0.27	Cum Volume (1000 m3)		3.63	
C & E Loss (m)	0.00	Cum SA (1000 m2)		14.50	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 145.23 Profile: PF 1

E.G. Elev (m)	43.08	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	43.03	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		13.94	
E.G. Slope (m/m)	0.009113	Area (m2)		13.94	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 145.23 Profile: PF 1 (Continued)

Top Width (m)	82.19	Top Width (m)		82.19	
Vel Total (m/s)	0.97	Avg. Vel. (m/s)		0.97	
Max Chl Dpth (m)	0.35	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	142.0	Conv. (m3/s)		142.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		82.54	
Min Ch El (m)	42.68	Shear (N/m2)		15.10	
Alpha	1.00	Stream Power (N/m s)		14.68	
Frctn Loss (m)	0.18	Cum Volume (1000 m3)		2.78	
C & E Loss (m)	0.01	Cum SA (1000 m2)		9.92	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 95.23 Profile: PF 1

E.G. Elev (m)	42.89	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	42.87	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		24.90	
E.G. Slope (m/m)	0.001935	Area (m2)		24.90	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	109.53	Top Width (m)		109.53	
Vel Total (m/s)	0.54	Avg. Vel. (m/s)		0.54	
Max Chl Dpth (m)	0.48	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	308.3	Conv. (m3/s)		308.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		110.01	
Min Ch El (m)	42.39	Shear (N/m2)		4.29	
Alpha	1.00	Stream Power (N/m s)		2.34	
Frctn Loss (m)	0.22	Cum Volume (1000 m3)		1.81	
C & E Loss (m)	0.01	Cum SA (1000 m2)		5.13	

Plan: Plan01 Aff_Trionfo_2_Ri Aff_Trionfo_2_Ri RS: 45.23 Profile: PF 1

E.G. Elev (m)	42.99	Element	Left OB	Channel	Right OB
Vel Head (m)	0.00	Wt. n-Val.		0.030	
W.S. Elev (m)	42.99	Reach Len. (m)	0.00	0.00	0.00
Crit W.S. (m)		Flow Area (m2)		47.41	
E.G. Slope (m/m)	0.000190	Area (m2)		47.41	
Q Total (m3/s)	13.56	Flow (m3/s)		13.56	
Top Width (m)	95.66	Top Width (m)		95.66	
Vel Total (m/s)	0.29	Avg. Vel. (m/s)		0.29	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	985.0	Conv. (m3/s)		985.0	
Length Wtd. (m)	0.00	Wetted Per. (m)		96.36	
Min Ch El (m)	42.23	Shear (N/m2)		0.91	
Alpha	1.00	Stream Power (N/m s)		0.26	
Frctn Loss (m)	0.00	Cum Volume (1000 m3)			
C & E Loss (m)	0.00	Cum SA (1000 m2)			

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 3065.32 Profile: PF 1

E.G. Elev (m)	51.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	51.91	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	51.49	Flow Area (m2)		67.73	
E.G. Slope (m/m)	0.001403	Area (m2)		67.73	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	117.60	Top Width (m)		117.60	
Vel Total (m/s)	0.86	Avg. Vel. (m/s)		0.86	
Max Chl Dpth (m)	2.48	Hydr. Depth (m)		0.58	
Conv. Total (m3/s)	1555.0	Conv. (m3/s)		1555.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		118.50	
Min Ch El (m)	49.43	Shear (N/m2)		7.86	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 3065.32 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		6.76	
Frctn Loss (m)	0.15	Cum Volume (1000 m3)		150.99	3.21
C & E Loss (m)	0.02	Cum SA (1000 m2)		367.82	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 3015.32 Profile: PF 1

E.G. Elev (m)	51.78	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	51.58	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	51.56	Flow Area (m2)		29.87	
E.G. Slope (m/m)	0.010979	Area (m2)		29.87	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	71.53	Top Width (m)		71.53	
Vel Total (m/s)	1.95	Avg. Vel. (m/s)		1.95	
Max Chl Dpth (m)	1.26	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	555.8	Conv. (m3/s)		555.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		71.60	
Min Ch El (m)	50.32	Shear (N/m2)		44.91	
Alpha	1.00	Stream Power (N/m s)		87.57	
Frctn Loss (m)	0.28	Cum Volume (1000 m3)		148.55	3.21
C & E Loss (m)	0.03	Cum SA (1000 m2)		363.09	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2965.32 Profile: PF 1

E.G. Elev (m)	51.47	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	51.38	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	50.86	Flow Area (m2)		45.79	
E.G. Slope (m/m)	0.003356	Area (m2)		45.79	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	85.32	Top Width (m)		85.32	
Vel Total (m/s)	1.27	Avg. Vel. (m/s)		1.27	
Max Chl Dpth (m)	2.36	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	1005.3	Conv. (m3/s)		1005.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		85.67	
Min Ch El (m)	49.03	Shear (N/m2)		17.59	
Alpha	1.00	Stream Power (N/m s)		22.37	
Frctn Loss (m)	0.25	Cum Volume (1000 m3)		146.66	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		359.17	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2915.32 Profile: PF 1

E.G. Elev (m)	51.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	51.10	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	51.04	Flow Area (m2)		38.76	
E.G. Slope (m/m)	0.007943	Area (m2)		38.76	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	107.67	Top Width (m)		107.67	
Vel Total (m/s)	1.50	Avg. Vel. (m/s)		1.50	
Max Chl Dpth (m)	1.25	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	653.5	Conv. (m3/s)		653.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		107.75	
Min Ch El (m)	49.85	Shear (N/m2)		28.02	
Alpha	1.00	Stream Power (N/m s)		42.10	
Frctn Loss (m)	0.43	Cum Volume (1000 m3)		144.55	3.21
C & E Loss (m)	0.03	Cum SA (1000 m2)		354.35	14.49



Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2865.32 Profile: PF 1

E.G. Elev (m)	50.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.46	Wt. n-Val.		0.030	
W.S. Elev (m)	50.29	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	50.29	Flow Area (m2)		19.36	
E.G. Slope (m/m)	0.009235	Area (m2)		19.36	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	20.96	Top Width (m)		20.96	
Vel Total (m/s)	3.01	Avg. Vel. (m/s)		3.01	
Max Chl Dpth (m)	1.85	Hydr. Depth (m)		0.92	
Conv. Total (m3/s)	606.1	Conv. (m3/s)		606.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		21.28	
Min Ch El (m)	48.44	Shear (N/m2)		82.39	
Alpha	1.00	Stream Power (N/m s)		247.81	
Frctn Loss (m)	0.21	Cum Volume (1000 m3)		143.10	3.21
C & E Loss (m)	0.12	Cum SA (1000 m2)		351.13	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2815.32 Profile: PF 1

E.G. Elev (m)	50.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	50.25	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	50.02	Flow Area (m2)		51.49	
E.G. Slope (m/m)	0.002423	Area (m2)		51.49	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	89.58	Top Width (m)		89.58	
Vel Total (m/s)	1.13	Avg. Vel. (m/s)		1.13	
Max Chl Dpth (m)	0.97	Hydr. Depth (m)		0.57	
Conv. Total (m3/s)	1183.1	Conv. (m3/s)		1183.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		89.97	
Min Ch El (m)	49.29	Shear (N/m2)		13.60	
Alpha	1.00	Stream Power (N/m s)		15.38	
Frctn Loss (m)	0.16	Cum Volume (1000 m3)		141.32	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		348.37	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2765.32 Profile: PF 1

E.G. Elev (m)	50.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	50.03	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		37.16	
E.G. Slope (m/m)	0.004359	Area (m2)		37.16	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	61.75	Top Width (m)		61.75	
Vel Total (m/s)	1.57	Avg. Vel. (m/s)		1.57	
Max Chl Dpth (m)	1.07	Hydr. Depth (m)		0.60	
Conv. Total (m3/s)	882.1	Conv. (m3/s)		882.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		61.84	
Min Ch El (m)	48.96	Shear (N/m2)		25.69	
Alpha	1.00	Stream Power (N/m s)		40.26	
Frctn Loss (m)	0.16	Cum Volume (1000 m3)		139.11	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		344.58	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2715.32 Profile: PF 1

E.G. Elev (m)	50.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	49.87	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		37.00	
E.G. Slope (m/m)	0.002420	Area (m2)		37.00	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2715.32 Profile: PF 1 (Continued)

Top Width (m)	38.83	Top Width (m)		38.83	
Vel Total (m/s)	1.57	Avg. Vel. (m/s)		1.57	
Max Chl Dpth (m)	2.63	Hydr. Depth (m)		0.95	
Conv. Total (m3/s)	1184.0	Conv. (m3/s)		1184.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		39.34	
Min Ch El (m)	47.24	Shear (N/m2)		22.32	
Alpha	1.00	Stream Power (N/m s)		35.13	
Frctn Loss (m)	0.13	Cum Volume (1000 m3)		137.25	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		342.07	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2665.32 Profile: PF 1

E.G. Elev (m)	49.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	49.74	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		37.14	
E.G. Slope (m/m)	0.002656	Area (m2)		37.14	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	42.17	Top Width (m)		42.17	
Vel Total (m/s)	1.57	Avg. Vel. (m/s)		1.57	
Max Chl Dpth (m)	2.40	Hydr. Depth (m)		0.88	
Conv. Total (m3/s)	1130.1	Conv. (m3/s)		1130.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		42.59	
Min Ch El (m)	47.35	Shear (N/m2)		22.72	
Alpha	1.00	Stream Power (N/m s)		35.62	
Frctn Loss (m)	0.18	Cum Volume (1000 m3)		135.40	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		340.04	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2615.32 Profile: PF 1

E.G. Elev (m)	49.69	Element	Left OB	Channel	Right OB
Vel Head (m)	0.18	Wt. n-Val.		0.030	
W.S. Elev (m)	49.50	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		30.86	
E.G. Slope (m/m)	0.004997	Area (m2)		30.86	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	42.75	Top Width (m)		42.75	
Vel Total (m/s)	1.89	Avg. Vel. (m/s)		1.89	
Max Chl Dpth (m)	2.03	Hydr. Depth (m)		0.72	
Conv. Total (m3/s)	823.9	Conv. (m3/s)		823.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		43.04	
Min Ch El (m)	47.47	Shear (N/m2)		35.13	
Alpha	1.00	Stream Power (N/m s)		66.30	
Frctn Loss (m)	0.28	Cum Volume (1000 m3)		133.70	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		337.92	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2565.32 Profile: PF 1

E.G. Elev (m)	49.41	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	49.22	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		30.42	
E.G. Slope (m/m)	0.006172	Area (m2)		30.42	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	48.50	Top Width (m)		48.50	
Vel Total (m/s)	1.91	Avg. Vel. (m/s)		1.91	
Max Chl Dpth (m)	1.61	Hydr. Depth (m)		0.63	
Conv. Total (m3/s)	741.3	Conv. (m3/s)		741.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		48.65	
Min Ch El (m)	47.61	Shear (N/m2)		37.84	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2565.32 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		72.46	
Frctn Loss (m)	0.34	Cum Volume (1000 m3)		132.17	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		335.64	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2515.32 Profile: PF 1

E.G. Elev (m)	49.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.24	Wt. n-Val.		0.030	
W.S. Elev (m)	48.82	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	48.72	Flow Area (m2)		27.10	
E.G. Slope (m/m)	0.007681	Area (m2)		27.10	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	42.77	Top Width (m)		42.77	
Vel Total (m/s)	2.15	Avg. Vel. (m/s)		2.15	
Max Chl Dpth (m)	1.66	Hydr. Depth (m)		0.63	
Conv. Total (m3/s)	664.5	Conv. (m3/s)		664.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		42.93	
Min Ch El (m)	47.17	Shear (N/m2)		47.54	
Alpha	1.00	Stream Power (N/m s)		102.18	
Frctn Loss (m)	0.30	Cum Volume (1000 m3)		130.73	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		333.36	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2465.32 Profile: PF 1

E.G. Elev (m)	48.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.21	Wt. n-Val.		0.030	
W.S. Elev (m)	48.54	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		29.02	
E.G. Slope (m/m)	0.004868	Area (m2)		29.02	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	35.77	Top Width (m)		35.77	
Vel Total (m/s)	2.01	Avg. Vel. (m/s)		2.01	
Max Chl Dpth (m)	2.32	Hydr. Depth (m)		0.81	
Conv. Total (m3/s)	834.7	Conv. (m3/s)		834.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		36.21	
Min Ch El (m)	46.22	Shear (N/m2)		38.26	
Alpha	1.00	Stream Power (N/m s)		76.78	
Frctn Loss (m)	0.20	Cum Volume (1000 m3)		129.33	3.21
C & E Loss (m)	0.03	Cum SA (1000 m2)		331.39	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2415.32 Profile: PF 1

E.G. Elev (m)	48.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	48.41	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		39.39	
E.G. Slope (m/m)	0.003448	Area (m2)		39.39	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	59.58	Top Width (m)		59.58	
Vel Total (m/s)	1.48	Avg. Vel. (m/s)		1.48	
Max Chl Dpth (m)	2.39	Hydr. Depth (m)		0.66	
Conv. Total (m3/s)	991.9	Conv. (m3/s)		991.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		59.99	
Min Ch El (m)	46.02	Shear (N/m2)		22.20	
Alpha	1.00	Stream Power (N/m s)		32.82	
Frctn Loss (m)	0.22	Cum Volume (1000 m3)		127.62	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		329.01	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2365.32 Profile: PF 1

E.G. Elev (m)	48.29	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	48.14	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		33.70	
E.G. Slope (m/m)	0.005690	Area (m2)		33.70	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	58.91	Top Width (m)		58.91	
Vel Total (m/s)	1.73	Avg. Vel. (m/s)		1.73	
Max Chl Dpth (m)	1.91	Hydr. Depth (m)		0.57	
Conv. Total (m3/s)	772.1	Conv. (m3/s)		772.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		59.16	
Min Ch El (m)	46.23	Shear (N/m2)		31.79	
Alpha	1.00	Stream Power (N/m s)		54.93	
Frctn Loss (m)	0.23	Cum Volume (1000 m3)		125.79	3.21
C & E Loss (m)	0.02	Cum SA (1000 m2)		326.05	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2315.32 Profile: PF 1

E.G. Elev (m)	48.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	47.96	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		46.87	
E.G. Slope (m/m)	0.003867	Area (m2)		46.87	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	100.62	Top Width (m)		100.62	
Vel Total (m/s)	1.24	Avg. Vel. (m/s)		1.24	
Max Chl Dpth (m)	1.33	Hydr. Depth (m)		0.47	
Conv. Total (m3/s)	936.5	Conv. (m3/s)		936.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		100.99	
Min Ch El (m)	46.63	Shear (N/m2)		17.60	
Alpha	1.00	Stream Power (N/m s)		21.87	
Frctn Loss (m)	0.24	Cum Volume (1000 m3)		123.78	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		322.06	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2265.32 Profile: PF 1

E.G. Elev (m)	47.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	47.62	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		31.90	
E.G. Slope (m/m)	0.006324	Area (m2)		31.90	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	55.70	Top Width (m)		55.70	
Vel Total (m/s)	1.83	Avg. Vel. (m/s)		1.83	
Max Chl Dpth (m)	1.48	Hydr. Depth (m)		0.57	
Conv. Total (m3/s)	732.4	Conv. (m3/s)		732.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		55.82	
Min Ch El (m)	46.14	Shear (N/m2)		35.44	
Alpha	1.00	Stream Power (N/m s)		64.70	
Frctn Loss (m)	0.18	Cum Volume (1000 m3)		121.81	3.21
C & E Loss (m)	0.03	Cum SA (1000 m2)		318.15	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2215.32 Profile: PF 1

E.G. Elev (m)	47.58	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	
W.S. Elev (m)	47.51	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		51.62	
E.G. Slope (m/m)	0.002281	Area (m2)		51.62	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2215.32 Profile: PF 1 (Continued)

Top Width (m)	86.18	Top Width (m)		86.18	
Vel Total (m/s)	1.13	Avg. Vel. (m/s)		1.13	
Max Chl Dpth (m)	2.25	Hydr. Depth (m)		0.60	
Conv. Total (m3/s)	1219.3	Conv. (m3/s)		1219.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		86.53	
Min Ch El (m)	45.27	Shear (N/m2)		13.35	
Alpha	1.00	Stream Power (N/m s)		15.06	
Frctn Loss (m)	0.13	Cum Volume (1000 m3)		119.72	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		314.60	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2165.32 Profile: PF 1

E.G. Elev (m)	47.45	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	47.37	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		48.19	
E.G. Slope (m/m)	0.003030	Area (m2)		48.19	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	89.51	Top Width (m)		89.51	
Vel Total (m/s)	1.21	Avg. Vel. (m/s)		1.21	
Max Chl Dpth (m)	2.53	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	1058.0	Conv. (m3/s)		1058.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		90.17	
Min Ch El (m)	44.85	Shear (N/m2)		15.88	
Alpha	1.00	Stream Power (N/m s)		19.19	
Frctn Loss (m)	0.14	Cum Volume (1000 m3)		117.22	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		310.21	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2115.32 Profile: PF 1

E.G. Elev (m)	47.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	47.24	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		51.15	
E.G. Slope (m/m)	0.002461	Area (m2)		51.15	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	89.08	Top Width (m)		89.08	
Vel Total (m/s)	1.14	Avg. Vel. (m/s)		1.14	
Max Chl Dpth (m)	1.51	Hydr. Depth (m)		0.57	
Conv. Total (m3/s)	1174.1	Conv. (m3/s)		1174.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		89.51	
Min Ch El (m)	45.73	Shear (N/m2)		13.79	
Alpha	1.00	Stream Power (N/m s)		15.70	
Frctn Loss (m)	0.11	Cum Volume (1000 m3)		114.74	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		305.75	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2065.32 Profile: PF 1

E.G. Elev (m)	47.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	
W.S. Elev (m)	47.13	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		54.59	
E.G. Slope (m/m)	0.002117	Area (m2)		54.59	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	93.53	Top Width (m)		93.53	
Vel Total (m/s)	1.07	Avg. Vel. (m/s)		1.07	
Max Chl Dpth (m)	1.31	Hydr. Depth (m)		0.58	
Conv. Total (m3/s)	1265.9	Conv. (m3/s)		1265.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		94.09	
Min Ch El (m)	45.82	Shear (N/m2)		12.04	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2065.32 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		12.85	
Frctn Loss (m)	0.21	Cum Volume (1000 m3)		112.10	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		301.18	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 2015.32 Profile: PF 1

E.G. Elev (m)	46.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.17	Wt. n-Val.		0.030	
W.S. Elev (m)	46.81	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	46.79	Flow Area (m2)		32.34	
E.G. Slope (m/m)	0.011463	Area (m2)		32.34	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	89.85	Top Width (m)		89.85	
Vel Total (m/s)	1.80	Avg. Vel. (m/s)		1.80	
Max Chl Dpth (m)	1.59	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	544.0	Conv. (m3/s)		544.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		90.23	
Min Ch El (m)	45.22	Shear (N/m2)		40.29	
Alpha	1.00	Stream Power (N/m s)		72.56	
Frctn Loss (m)	0.31	Cum Volume (1000 m3)		109.92	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		296.60	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1965.32 Profile: PF 1

E.G. Elev (m)	46.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	46.53	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.88	Flow Area (m2)		37.89	
E.G. Slope (m/m)	0.003924	Area (m2)		37.89	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	59.33	Top Width (m)		59.33	
Vel Total (m/s)	1.54	Avg. Vel. (m/s)		1.54	
Max Chl Dpth (m)	2.77	Hydr. Depth (m)		0.64	
Conv. Total (m3/s)	929.8	Conv. (m3/s)		929.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		59.99	
Min Ch El (m)	43.75	Shear (N/m2)		24.30	
Alpha	1.00	Stream Power (N/m s)		37.36	
Frctn Loss (m)	0.20	Cum Volume (1000 m3)		108.17	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		292.87	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1915.32 Profile: PF 1

E.G. Elev (m)	46.44	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	46.35	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		44.17	
E.G. Slope (m/m)	0.003977	Area (m2)		44.17	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	88.25	Top Width (m)		88.25	
Vel Total (m/s)	1.32	Avg. Vel. (m/s)		1.32	
Max Chl Dpth (m)	2.54	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	923.5	Conv. (m3/s)		923.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		88.91	
Min Ch El (m)	43.82	Shear (N/m2)		19.38	
Alpha	1.00	Stream Power (N/m s)		25.55	
Frctn Loss (m)	0.28	Cum Volume (1000 m3)		106.12	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		289.18	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1865.32 Profile: PF 1

E.G. Elev (m)	46.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	46.02	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.94	Flow Area (m2)		35.51	
E.G. Slope (m/m)	0.008173	Area (m2)		35.51	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	88.05	Top Width (m)		88.05	
Vel Total (m/s)	1.64	Avg. Vel. (m/s)		1.64	
Max Chl Dpth (m)	1.82	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	644.2	Conv. (m3/s)		644.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		88.44	
Min Ch El (m)	44.20	Shear (N/m2)		32.18	
Alpha	1.00	Stream Power (N/m s)		52.78	
Frctn Loss (m)	0.32	Cum Volume (1000 m3)		104.12	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		284.77	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1815.32 Profile: PF 1

E.G. Elev (m)	45.83	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	45.72	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		40.68	
E.G. Slope (m/m)	0.005206	Area (m2)		40.68	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	87.78	Top Width (m)		87.78	
Vel Total (m/s)	1.43	Avg. Vel. (m/s)		1.43	
Max Chl Dpth (m)	2.79	Hydr. Depth (m)		0.46	
Conv. Total (m3/s)	807.2	Conv. (m3/s)		807.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		88.57	
Min Ch El (m)	42.94	Shear (N/m2)		23.45	
Alpha	1.00	Stream Power (N/m s)		33.57	
Frctn Loss (m)	0.28	Cum Volume (1000 m3)		102.22	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		280.38	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1765.32 Profile: PF 1

E.G. Elev (m)	45.55	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	45.44	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		39.17	
E.G. Slope (m/m)	0.005958	Area (m2)		39.17	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	88.42	Top Width (m)		88.42	
Vel Total (m/s)	1.49	Avg. Vel. (m/s)		1.49	
Max Chl Dpth (m)	2.76	Hydr. Depth (m)		0.44	
Conv. Total (m3/s)	754.5	Conv. (m3/s)		754.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		89.17	
Min Ch El (m)	42.67	Shear (N/m2)		25.67	
Alpha	1.00	Stream Power (N/m s)		38.16	
Frctn Loss (m)	0.18	Cum Volume (1000 m3)		100.22	3.21
C & E Loss (m)	0.02	Cum SA (1000 m2)		275.97	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1715.32 Profile: PF 1

E.G. Elev (m)	45.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	45.32	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.15	Flow Area (m2)		71.56	
E.G. Slope (m/m)	0.002329	Area (m2)		71.56	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1715.32 Profile: PF 1 (Continued)

Top Width (m)	198.42	Top Width (m)		198.42	
Vel Total (m/s)	0.81	Avg. Vel. (m/s)		0.81	
Max Chl Dpth (m)	2.04	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	1206.8	Conv. (m3/s)		1206.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		198.87	
Min Ch El (m)	43.28	Shear (N/m2)		8.22	
Alpha	1.00	Stream Power (N/m s)		6.69	
Frctn Loss (m)	0.19	Cum Volume (1000 m3)		97.45	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		268.80	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1665.32 Profile: PF 1

E.G. Elev (m)	45.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	45.09	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		50.48	
E.G. Slope (m/m)	0.006966	Area (m2)		50.48	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	188.87	Top Width (m)		188.87	
Vel Total (m/s)	1.15	Avg. Vel. (m/s)		1.15	
Max Chl Dpth (m)	1.30	Hydr. Depth (m)		0.27	
Conv. Total (m3/s)	697.8	Conv. (m3/s)		697.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		189.00	
Min Ch El (m)	43.79	Shear (N/m2)		18.25	
Alpha	1.00	Stream Power (N/m s)		21.05	
Frctn Loss (m)	0.45	Cum Volume (1000 m3)		94.40	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		259.12	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1615.32 Profile: PF 1

E.G. Elev (m)	44.70	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	44.50	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.50	Flow Area (m2)		29.23	
E.G. Slope (m/m)	0.011989	Area (m2)		29.23	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	72.24	Top Width (m)		72.24	
Vel Total (m/s)	1.99	Avg. Vel. (m/s)		1.99	
Max Chl Dpth (m)	1.51	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	531.9	Conv. (m3/s)		531.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		72.45	
Min Ch El (m)	42.99	Shear (N/m2)		47.43	
Alpha	1.00	Stream Power (N/m s)		94.51	
Frctn Loss (m)	0.11	Cum Volume (1000 m3)		92.41	3.21
C & E Loss (m)	0.06	Cum SA (1000 m2)		252.59	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1565.32 Profile: PF 1

E.G. Elev (m)	44.40	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	44.38	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.07	Flow Area (m2)		97.95	
E.G. Slope (m/m)	0.000916	Area (m2)		97.95	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	216.01	Top Width (m)		216.01	
Vel Total (m/s)	0.59	Avg. Vel. (m/s)		0.59	
Max Chl Dpth (m)	1.61	Hydr. Depth (m)		0.45	
Conv. Total (m3/s)	1924.5	Conv. (m3/s)		1924.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		216.42	
Min Ch El (m)	42.78	Shear (N/m2)		4.06	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1565.32 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		2.42	
Frctn Loss (m)	0.05	Cum Volume (1000 m3)		89.23	3.21
C & E Loss (m)	0.00	Cum SA (1000 m2)		245.38	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1515.32 Profile: PF 1

E.G. Elev (m)	44.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	44.34	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.01	Flow Area (m2)		101.91	
E.G. Slope (m/m)	0.001053	Area (m2)		101.91	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	265.05	Top Width (m)		265.05	
Vel Total (m/s)	0.57	Avg. Vel. (m/s)		0.57	
Max Chl Dpth (m)	1.35	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	1794.9	Conv. (m3/s)		1794.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		265.32	
Min Ch El (m)	42.98	Shear (N/m2)		3.97	
Alpha	1.00	Stream Power (N/m s)		2.27	
Frctn Loss (m)	0.13	Cum Volume (1000 m3)		84.23	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		233.36	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1465.32 Profile: PF 1

E.G. Elev (m)	44.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.11	Wt. n-Val.		0.030	
W.S. Elev (m)	44.10	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.10	Flow Area (m2)		39.53	
E.G. Slope (m/m)	0.014653	Area (m2)		39.53	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	179.00	Top Width (m)		179.00	
Vel Total (m/s)	1.47	Avg. Vel. (m/s)		1.47	
Max Chl Dpth (m)	1.02	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	481.1	Conv. (m3/s)		481.1	
Length Wtd. (m)		Wetted Per. (m)		179.13	
Min Ch El (m)	43.08	Shear (N/m2)		31.71	
Alpha	1.00	Stream Power (N/m s)		46.72	
Frctn Loss (m)		Cum Volume (1000 m3)		80.70	3.21
C & E Loss (m)		Cum SA (1000 m2)		222.25	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1415.32 Profile: PF 1

E.G. Elev (m)	43.94	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	43.91	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	43.80	Flow Area (m2)		72.33	
E.G. Slope (m/m)	0.003601	Area (m2)		72.33	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	283.03	Top Width (m)		283.03	
Vel Total (m/s)	0.81	Avg. Vel. (m/s)		0.81	
Max Chl Dpth (m)	1.39	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	970.5	Conv. (m3/s)		970.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		283.22	
Min Ch El (m)	42.52	Shear (N/m2)		9.02	
Alpha	1.00	Stream Power (N/m s)		7.26	
Frctn Loss (m)	0.33	Cum Volume (1000 m3)		77.90	3.21
C & E Loss (m)	0.01	Cum SA (1000 m2)		210.70	14.49



Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1365.32 Profile: PF 1

E.G. Elev (m)	43.61	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	43.51	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	43.51	Flow Area (m2)		41.63	
E.G. Slope (m/m)	0.015252	Area (m2)		41.63	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	209.62	Top Width (m)		209.62	
Vel Total (m/s)	1.40	Avg. Vel. (m/s)		1.40	
Max Chl Dpth (m)	1.94	Hydr. Depth (m)		0.20	
Conv. Total (m3/s)	471.6	Conv. (m3/s)		471.6	
Length Wtd. (m)	50.00	Wetted Per. (m)		210.09	
Min Ch El (m)	41.56	Shear (N/m2)		29.63	
Alpha	1.00	Stream Power (N/m s)		41.46	
Frctn Loss (m)	0.15	Cum Volume (1000 m3)		75.05	3.21
C & E Loss (m)	0.03	Cum SA (1000 m2)		198.39	14.49

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1315.32 Profile: PF 1

E.G. Elev (m)	43.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	43.33	Reach Len. (m)	20.00	20.00	20.00
Crit W.S. (m)	43.12	Flow Area (m2)		68.45	36.16
E.G. Slope (m/m)	0.001204	Area (m2)		68.45	36.16
Q Total (m3/s)	58.24	Flow (m3/s)		38.25	19.99
Top Width (m)	350.53	Top Width (m)		203.87	146.66
Vel Total (m/s)	0.56	Avg. Vel. (m/s)		0.56	0.55
Max Chl Dpth (m)	1.56	Hydr. Depth (m)		0.34	0.25
Conv. Total (m3/s)	1678.3	Conv. (m3/s)		1102.2	576.0
Length Wtd. (m)	20.00	Wetted Per. (m)		203.87	147.04
Min Ch El (m)	42.78	Shear (N/m2)		3.97	2.90
Alpha	1.00	Stream Power (N/m s)		2.22	1.61
Frctn Loss (m)	0.03	Cum Volume (1000 m3)		72.30	2.31
C & E Loss (m)	0.00	Cum SA (1000 m2)		188.05	10.82

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1280 BR U Profile: PF 1

E.G. Elev (m)	43.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	43.29	Reach Len. (m)	5.00	5.00	5.00
Crit W.S. (m)	43.12	Flow Area (m2)		60.38	26.09
E.G. Slope (m/m)	0.002200	Area (m2)		60.38	26.09
Q Total (m3/s)	58.24	Flow (m3/s)		43.42	14.82
Top Width (m)	314.08	Top Width (m)		193.56	120.53
Vel Total (m/s)	0.67	Avg. Vel. (m/s)		0.72	0.57
Max Chl Dpth (m)	1.52	Hydr. Depth (m)		0.31	0.22
Conv. Total (m3/s)	1241.7	Conv. (m3/s)		925.7	316.0
Length Wtd. (m)	5.00	Wetted Per. (m)		193.56	139.35
Min Ch El (m)	42.78	Shear (N/m2)		6.73	4.04
Alpha	1.03	Stream Power (N/m s)		4.84	2.29
Frctn Loss (m)	0.01	Cum Volume (1000 m3)		71.01	1.68
C & E Loss (m)	0.00	Cum SA (1000 m2)		184.08	8.15

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1280 BR D Profile: PF 1

E.G. Elev (m)	43.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	43.28	Reach Len. (m)	25.00	25.00	25.00
Crit W.S. (m)	43.11	Flow Area (m2)		61.98	25.03
E.G. Slope (m/m)	0.002216	Area (m2)		61.98	25.03
Q Total (m3/s)	58.24	Flow (m3/s)		45.31	12.93

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1280 BR D Profile: PF 1 (Continued)

Top Width (m)	322.21	Top Width (m)		194.86	127.35
Vel Total (m/s)	0.67	Avg. Vel. (m/s)		0.73	0.52
Max Chl Dpth (m)	1.32	Hydr. Depth (m)		0.32	0.20
Conv. Total (m3/s)	1237.3	Conv. (m3/s)		962.6	274.7
Length Wtd. (m)	25.00	Wetted Per. (m)		194.86	143.31
Min Ch El (m)	42.77	Shear (N/m2)		6.91	3.79
Alpha	1.06	Stream Power (N/m s)		5.05	1.96
Frctn Loss (m)	0.08	Cum Volume (1000 m3)		70.71	1.55
C & E Loss (m)	0.00	Cum SA (1000 m2)		183.11	7.53

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1265.32 Profile: PF 1

E.G. Elev (m)	43.22	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	43.16	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	43.11	Flow Area (m2)		40.39	15.47
E.G. Slope (m/m)	0.005810	Area (m2)		40.39	15.47
Q Total (m3/s)	58.24	Flow (m3/s)		40.26	17.98
Top Width (m)	250.53	Top Width (m)		164.36	86.17
Vel Total (m/s)	1.04	Avg. Vel. (m/s)		1.00	1.16
Max Chl Dpth (m)	1.20	Hydr. Depth (m)		0.25	0.18
Conv. Total (m3/s)	764.0	Conv. (m3/s)		528.2	235.8
Length Wtd. (m)	50.00	Wetted Per. (m)		164.36	86.43
Min Ch El (m)	42.77	Shear (N/m2)		14.00	10.20
Alpha	1.02	Stream Power (N/m s)		13.96	11.85
Frctn Loss (m)	0.24	Cum Volume (1000 m3)		69.43	1.05
C & E Loss (m)	0.01	Cum SA (1000 m2)		178.61	4.86

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1215.32 Profile: PF 1

E.G. Elev (m)	42.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	42.93	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	42.83	Flow Area (m2)		68.82	
E.G. Slope (m/m)	0.003993	Area (m2)		68.82	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	269.85	Top Width (m)		269.85	
Vel Total (m/s)	0.85	Avg. Vel. (m/s)		0.85	
Max Chl Dpth (m)	1.93	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	921.6	Conv. (m3/s)		921.6	
Length Wtd. (m)	50.00	Wetted Per. (m)		270.27	
Min Ch El (m)	41.01	Shear (N/m2)		9.97	
Alpha	1.00	Stream Power (N/m s)		8.44	
Frctn Loss (m)	0.34	Cum Volume (1000 m3)		66.70	0.66
C & E Loss (m)	0.01	Cum SA (1000 m2)		167.76	2.71

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1165.32 Profile: PF 1

E.G. Elev (m)	42.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	42.50	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	42.50	Flow Area (m2)		37.87	
E.G. Slope (m/m)	0.013882	Area (m2)		37.87	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	154.13	Top Width (m)		154.13	
Vel Total (m/s)	1.54	Avg. Vel. (m/s)		1.54	
Max Chl Dpth (m)	1.76	Hydr. Depth (m)		0.25	
Conv. Total (m3/s)	494.3	Conv. (m3/s)		494.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		154.50	
Min Ch El (m)	40.75	Shear (N/m2)		33.36	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1165.32 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		51.32	
Frctn Loss (m)	0.28	Cum Volume (1000 m3)		64.03	0.66
C & E Loss (m)	0.03	Cum SA (1000 m2)		157.16	2.71

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1115.32 Profile: PF 1

E.G. Elev (m)	42.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	0.030
W.S. Elev (m)	42.27	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	42.12	Flow Area (m2)		64.11	13.23
E.G. Slope (m/m)	0.003021	Area (m2)		64.11	13.23
Q Total (m3/s)	58.24	Flow (m3/s)		48.76	9.48
Top Width (m)	293.50	Top Width (m)		239.40	54.10
Vel Total (m/s)	0.75	Avg. Vel. (m/s)		0.76	0.72
Max Chl Dpth (m)	1.54	Hydr. Depth (m)		0.27	0.24
Conv. Total (m3/s)	1059.7	Conv. (m3/s)		887.2	172.5
Length Wtd. (m)	50.00	Wetted Per. (m)		239.64	54.11
Min Ch El (m)	40.73	Shear (N/m2)		7.92	7.24
Alpha	1.00	Stream Power (N/m s)		6.03	5.19
Frctn Loss (m)	0.29	Cum Volume (1000 m3)		61.48	0.33
C & E Loss (m)	0.01	Cum SA (1000 m2)		147.32	1.35

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1065.32 Profile: PF 1

E.G. Elev (m)	42.00	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	41.88	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	41.88	Flow Area (m2)		38.57	
E.G. Slope (m/m)	0.015565	Area (m2)		38.57	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	176.27	Top Width (m)		176.27	
Vel Total (m/s)	1.51	Avg. Vel. (m/s)		1.51	
Max Chl Dpth (m)	0.93	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	466.8	Conv. (m3/s)		466.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		176.33	
Min Ch El (m)	40.95	Shear (N/m2)		33.39	
Alpha	1.00	Stream Power (N/m s)		50.42	
Frctn Loss (m)	0.28	Cum Volume (1000 m3)		58.91	
C & E Loss (m)	0.03	Cum SA (1000 m2)		136.93	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 1015.32 Profile: PF 1

E.G. Elev (m)	41.68	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	41.66	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	41.52	Flow Area (m2)		80.33	
E.G. Slope (m/m)	0.002928	Area (m2)		80.33	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	315.01	Top Width (m)		315.01	
Vel Total (m/s)	0.73	Avg. Vel. (m/s)		0.73	
Max Chl Dpth (m)	1.60	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	1076.2	Conv. (m3/s)		1076.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		315.23	
Min Ch El (m)	40.06	Shear (N/m2)		7.32	
Alpha	1.00	Stream Power (N/m s)		5.31	
Frctn Loss (m)	0.26	Cum Volume (1000 m3)		55.94	
C & E Loss (m)	0.01	Cum SA (1000 m2)		124.65	



Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 965.32 Profile: PF 1

E.G. Elev (m)	41.42	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	41.30	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	41.28	Flow Area (m2)		38.00	
E.G. Slope (m/m)	0.011232	Area (m2)		38.00	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	132.64	Top Width (m)		132.64	
Vel Total (m/s)	1.53	Avg. Vel. (m/s)		1.53	
Max Chl Dpth (m)	1.80	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	549.5	Conv. (m3/s)		549.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		132.94	
Min Ch El (m)	39.49	Shear (N/m2)		31.48	
Alpha	1.00	Stream Power (N/m s)		48.25	
Frctn Loss (m)	0.19	Cum Volume (1000 m3)		52.98	
C & E Loss (m)	0.02	Cum SA (1000 m2)		113.46	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 915.32 Profile: PF 1

E.G. Elev (m)	41.21	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	41.17	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	40.89	Flow Area (m2)		65.19	
E.G. Slope (m/m)	0.001837	Area (m2)		65.19	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	131.54	Top Width (m)		131.54	
Vel Total (m/s)	0.89	Avg. Vel. (m/s)		0.89	
Max Chl Dpth (m)	1.75	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	1358.7	Conv. (m3/s)		1358.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		131.87	
Min Ch El (m)	39.41	Shear (N/m2)		8.91	
Alpha	1.00	Stream Power (N/m s)		7.96	
Frctn Loss (m)	0.11	Cum Volume (1000 m3)		50.40	
C & E Loss (m)	0.01	Cum SA (1000 m2)		106.85	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 865.32 Profile: PF 1

E.G. Elev (m)	41.10	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	41.07	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		85.20	
E.G. Slope (m/m)	0.002508	Area (m2)		85.20	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	324.96	Top Width (m)		324.96	
Vel Total (m/s)	0.68	Avg. Vel. (m/s)		0.68	
Max Chl Dpth (m)	1.59	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	1162.9	Conv. (m3/s)		1162.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		325.17	
Min Ch El (m)	39.48	Shear (N/m2)		6.44	
Alpha	1.00	Stream Power (N/m s)		4.41	
Frctn Loss (m)	0.12	Cum Volume (1000 m3)		46.64	
C & E Loss (m)	0.00	Cum SA (1000 m2)		95.44	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 815.32 Profile: PF 1

E.G. Elev (m)	40.97	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	40.91	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	40.65	Flow Area (m2)		56.28	
E.G. Slope (m/m)	0.002447	Area (m2)		56.28	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 815.32 Profile: PF 1 (Continued)

Top Width (m)	113.03	Top Width (m)		113.03	
Vel Total (m/s)	1.03	Avg. Vel. (m/s)		1.03	
Max Chl Dpth (m)	1.19	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	1177.2	Conv. (m3/s)		1177.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		113.22	
Min Ch El (m)	39.72	Shear (N/m2)		11.93	
Alpha	1.00	Stream Power (N/m s)		12.35	
Frctn Loss (m)	0.18	Cum Volume (1000 m3)		43.11	
C & E Loss (m)	0.00	Cum SA (1000 m2)		84.49	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 765.32 Profile: PF 1

E.G. Elev (m)	40.78	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	40.70	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	40.59	Flow Area (m2)		45.01	
E.G. Slope (m/m)	0.005775	Area (m2)		45.01	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	122.99	Top Width (m)		122.99	
Vel Total (m/s)	1.29	Avg. Vel. (m/s)		1.29	
Max Chl Dpth (m)	1.36	Hydr. Depth (m)		0.37	
Conv. Total (m3/s)	766.4	Conv. (m3/s)		766.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		123.31	
Min Ch El (m)	39.34	Shear (N/m2)		20.67	
Alpha	1.00	Stream Power (N/m s)		26.75	
Frctn Loss (m)	0.26	Cum Volume (1000 m3)		40.57	
C & E Loss (m)	0.01	Cum SA (1000 m2)		78.59	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 715.32 Profile: PF 1

E.G. Elev (m)	40.52	Element	Left OB	Channel	Right OB
Vel Head (m)	0.16	Wt. n-Val.		0.030	
W.S. Elev (m)	40.36	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	39.96	Flow Area (m2)		33.13	
E.G. Slope (m/m)	0.004630	Area (m2)		33.13	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	48.20	Top Width (m)		48.20	
Vel Total (m/s)	1.76	Avg. Vel. (m/s)		1.76	
Max Chl Dpth (m)	2.23	Hydr. Depth (m)		0.69	
Conv. Total (m3/s)	855.9	Conv. (m3/s)		855.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		48.54	
Min Ch El (m)	38.13	Shear (N/m2)		30.99	
Alpha	1.00	Stream Power (N/m s)		54.48	
Frctn Loss (m)	0.37	Cum Volume (1000 m3)		38.62	
C & E Loss (m)	0.00	Cum SA (1000 m2)		74.31	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 665.32 Profile: PF 1

E.G. Elev (m)	40.15	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	39.99	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	39.99	Flow Area (m2)		33.65	
E.G. Slope (m/m)	0.013835	Area (m2)		33.65	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	114.57	Top Width (m)		114.57	
Vel Total (m/s)	1.73	Avg. Vel. (m/s)		1.73	
Max Chl Dpth (m)	1.19	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	495.1	Conv. (m3/s)		495.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		114.76	
Min Ch El (m)	38.81	Shear (N/m2)		39.79	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 665.32 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		68.85	
Frctn Loss (m)	0.09	Cum Volume (1000 m3)		36.95	
C & E Loss (m)	0.04	Cum SA (1000 m2)		70.24	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 615.32 Profile: PF 1

E.G. Elev (m)	40.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	40.00	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		94.32	
E.G. Slope (m/m)	0.000642	Area (m2)		94.32	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	150.00	Top Width (m)		150.00	
Vel Total (m/s)	0.62	Avg. Vel. (m/s)		0.62	
Max Chl Dpth (m)	1.54	Hydr. Depth (m)		0.63	
Conv. Total (m3/s)	2297.9	Conv. (m3/s)		2297.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		150.96	
Min Ch EI (m)	38.46	Shear (N/m2)		3.94	
Alpha	1.00	Stream Power (N/m s)		2.43	
Frctn Loss (m)	0.03	Cum Volume (1000 m3)		33.75	
C & E Loss (m)	0.00	Cum SA (1000 m2)		63.63	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 565.32 Profile: PF 1

E.G. Elev (m)	39.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	39.96	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		85.43	
E.G. Slope (m/m)	0.000755	Area (m2)		85.43	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	132.30	Top Width (m)		132.30	
Vel Total (m/s)	0.68	Avg. Vel. (m/s)		0.68	
Max Chl Dpth (m)	1.68	Hydr. Depth (m)		0.65	
Conv. Total (m3/s)	2119.0	Conv. (m3/s)		2119.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		133.10	
Min Ch EI (m)	38.28	Shear (N/m2)		4.75	
Alpha	1.00	Stream Power (N/m s)		3.24	
Frctn Loss (m)	0.06	Cum Volume (1000 m3)		29.26	
C & E Loss (m)	0.00	Cum SA (1000 m2)		56.57	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 515.32 Profile: PF 1

E.G. Elev (m)	39.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	39.88	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		62.83	
E.G. Slope (m/m)	0.001984	Area (m2)		62.83	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	127.16	Top Width (m)		127.16	
Vel Total (m/s)	0.93	Avg. Vel. (m/s)		0.93	
Max Chl Dpth (m)	1.71	Hydr. Depth (m)		0.49	
Conv. Total (m3/s)	1307.4	Conv. (m3/s)		1307.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		127.37	
Min Ch EI (m)	38.17	Shear (N/m2)		9.60	
Alpha	1.00	Stream Power (N/m s)		8.90	
Frctn Loss (m)	0.17	Cum Volume (1000 m3)		25.55	
C & E Loss (m)	0.01	Cum SA (1000 m2)		50.08	



Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 465.32 Profile: PF 1

E.G. Elev (m)	39.75	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	39.61	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		35.54	
E.G. Slope (m/m)	0.006950	Area (m2)		35.54	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	78.22	Top Width (m)		78.22	
Vel Total (m/s)	1.64	Avg. Vel. (m/s)		1.64	
Max Chl Dpth (m)	2.00	Hydr. Depth (m)		0.45	
Conv. Total (m3/s)	698.6	Conv. (m3/s)		698.6	
Length Wtd. (m)	50.00	Wetted Per. (m)		78.48	
Min Ch El (m)	37.61	Shear (N/m2)		30.86	
Alpha	1.00	Stream Power (N/m s)		50.58	
Frctn Loss (m)	0.09	Cum Volume (1000 m3)		23.09	
C & E Loss (m)	0.03	Cum SA (1000 m2)		44.95	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 415.32 Profile: PF 1

E.G. Elev (m)	39.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	39.61	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		89.11	
E.G. Slope (m/m)	0.000753	Area (m2)		89.11	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	147.13	Top Width (m)		147.13	
Vel Total (m/s)	0.65	Avg. Vel. (m/s)		0.65	
Max Chl Dpth (m)	2.18	Hydr. Depth (m)		0.61	
Conv. Total (m3/s)	2122.2	Conv. (m3/s)		2122.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		147.57	
Min Ch El (m)	37.43	Shear (N/m2)		4.46	
Alpha	1.00	Stream Power (N/m s)		2.91	
Frctn Loss (m)	0.10	Cum Volume (1000 m3)		19.98	
C & E Loss (m)	0.01	Cum SA (1000 m2)		39.31	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 365.32 Profile: PF 1

E.G. Elev (m)	39.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	39.38	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	39.38	Flow Area (m2)		35.79	
E.G. Slope (m/m)	0.014481	Area (m2)		35.79	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	138.34	Top Width (m)		138.34	
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)	484.0	Conv. (m3/s)		484.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		138.54	
Min Ch El (m)	38.87	Shear (N/m2)		36.69	
Alpha	1.00	Stream Power (N/m s)		59.70	
Frctn Loss (m)	0.34	Cum Volume (1000 m3)		16.85	
C & E Loss (m)	0.01	Cum SA (1000 m2)		32.18	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 315.32 Profile: PF 1

E.G. Elev (m)	38.78	Element	Left OB	Channel	Right OB
Vel Head (m)	0.09	Wt. n-Val.		0.030	
W.S. Elev (m)	38.69	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	38.53	Flow Area (m2)		44.91	
E.G. Slope (m/m)	0.003873	Area (m2)		44.91	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 315.32 Profile: PF 1 (Continued)

Top Width (m)	90.22	Top Width (m)		90.22	
Vel Total (m/s)	1.30	Avg. Vel. (m/s)		1.30	
Max Chl Dpth (m)	2.05	Hydr. Depth (m)		0.50	
Conv. Total (m3/s)	935.9	Conv. (m3/s)		935.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		90.88	
Min Ch El (m)	36.64	Shear (N/m2)		18.77	
Alpha	1.00	Stream Power (N/m s)		24.34	
Frctn Loss (m)	0.14	Cum Volume (1000 m3)		14.84	
C & E Loss (m)	0.01	Cum SA (1000 m2)		26.46	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 265.32 Profile: PF 1

E.G. Elev (m)	38.63	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	
W.S. Elev (m)	38.57	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		53.27	
E.G. Slope (m/m)	0.002193	Area (m2)		53.27	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	90.06	Top Width (m)		90.06	
Vel Total (m/s)	1.09	Avg. Vel. (m/s)		1.09	
Max Chl Dpth (m)	1.82	Hydr. Depth (m)		0.59	
Conv. Total (m3/s)	1243.7	Conv. (m3/s)		1243.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		90.87	
Min Ch El (m)	36.74	Shear (N/m2)		12.61	
Alpha	1.00	Stream Power (N/m s)		13.78	
Frctn Loss (m)	0.06	Cum Volume (1000 m3)		12.38	
C & E Loss (m)	0.01	Cum SA (1000 m2)		21.96	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 215.32 Profile: PF 1

E.G. Elev (m)	38.56	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	38.54	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		83.00	
E.G. Slope (m/m)	0.000692	Area (m2)		83.00	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	114.97	Top Width (m)		114.97	
Vel Total (m/s)	0.70	Avg. Vel. (m/s)		0.70	
Max Chl Dpth (m)	2.44	Hydr. Depth (m)		0.72	
Conv. Total (m3/s)	2213.7	Conv. (m3/s)		2213.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		115.97	
Min Ch El (m)	36.10	Shear (N/m2)		4.86	
Alpha	1.00	Stream Power (N/m s)		3.41	
Frctn Loss (m)	0.06	Cum Volume (1000 m3)		8.97	
C & E Loss (m)	0.00	Cum SA (1000 m2)		16.83	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 165.32 Profile: PF 1

E.G. Elev (m)	38.50	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	38.45	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		58.47	
E.G. Slope (m/m)	0.002227	Area (m2)		58.47	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	115.61	Top Width (m)		115.61	
Vel Total (m/s)	1.00	Avg. Vel. (m/s)		1.00	
Max Chl Dpth (m)	1.85	Hydr. Depth (m)		0.51	
Conv. Total (m3/s)	1234.1	Conv. (m3/s)		1234.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		116.06	
Min Ch El (m)	36.61	Shear (N/m2)		11.00	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 165.32 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		10.96	
Frctn Loss (m)	0.15	Cum Volume (1000 m3)		5.44	
C & E Loss (m)	0.00	Cum SA (1000 m2)		11.07	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 115.32 Profile: PF 1

E.G. Elev (m)	38.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	38.27	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		45.95	
E.G. Slope (m/m)	0.003944	Area (m2)		45.95	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	97.15	Top Width (m)		97.15	
Vel Total (m/s)	1.27	Avg. Vel. (m/s)		1.27	
Max Chl Dpth (m)	1.57	Hydr. Depth (m)		0.47	
Conv. Total (m3/s)	927.4	Conv. (m3/s)		927.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		97.53	
Min Ch EI (m)	36.70	Shear (N/m2)		18.22	
Alpha	1.00	Stream Power (N/m s)		23.09	
Frctn Loss (m)	0.29	Cum Volume (1000 m3)		2.83	
C & E Loss (m)	0.04	Cum SA (1000 m2)		5.75	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 65.32 Profile: PF 1

E.G. Elev (m)	38.02	Element	Left OB	Channel	Right OB
Vel Head (m)	0.48	Wt. n-Val.		0.030	
W.S. Elev (m)	37.54	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	37.54	Flow Area (m2)		18.98	
E.G. Slope (m/m)	0.009708	Area (m2)		18.98	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	20.68	Top Width (m)		20.68	
Vel Total (m/s)	3.07	Avg. Vel. (m/s)		3.07	
Max Chl Dpth (m)	1.83	Hydr. Depth (m)		0.92	
Conv. Total (m3/s)	591.1	Conv. (m3/s)		591.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		21.01	
Min Ch EI (m)	35.70	Shear (N/m2)		86.00	
Alpha	1.00	Stream Power (N/m s)		263.92	
Frctn Loss (m)	0.62	Cum Volume (1000 m3)		1.20	
C & E Loss (m)	0.08	Cum SA (1000 m2)		2.80	

Plan: Plan01 Canale_la_Pidocc Canale_la_Pidocc RS: 15.32 Profile: PF 1

E.G. Elev (m)	37.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.20	Wt. n-Val.		0.030	
W.S. Elev (m)	37.11	Reach Len. (m)			
Crit W.S. (m)	37.14	Flow Area (m2)		29.18	
E.G. Slope (m/m)	0.016436	Area (m2)		29.18	
Q Total (m3/s)	58.24	Flow (m3/s)		58.24	
Top Width (m)	91.40	Top Width (m)		91.40	
Vel Total (m/s)	2.00	Avg. Vel. (m/s)		2.00	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	454.3	Conv. (m3/s)		454.3	
Length Wtd. (m)		Wetted Per. (m)		91.45	
Min Ch EI (m)	36.45	Shear (N/m2)		51.44	
Alpha	1.00	Stream Power (N/m s)		102.65	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			



Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1928.29 Profile: PF 1

E.G. Elev (m)	50.08	Element	Left OB	Channel	Right OB
Vel Head (m)	0.14	Wt. n-Val.		0.030	
W.S. Elev (m)	49.94	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	49.94	Flow Area (m2)		24.48	
E.G. Slope (m/m)	0.013420	Area (m2)		24.48	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	86.58	Top Width (m)		86.58	
Vel Total (m/s)	1.66	Avg. Vel. (m/s)		1.66	
Max Chl Dpth (m)	0.40	Hydr. Depth (m)		0.28	
Conv. Total (m3/s)	350.4	Conv. (m3/s)		350.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		86.99	
Min Ch El (m)	49.54	Shear (N/m2)		37.03	
Alpha	1.00	Stream Power (N/m s)		61.41	
Frctn Loss (m)	0.22	Cum Volume (1000 m3)		83.85	
C & E Loss (m)	0.03	Cum SA (1000 m2)		221.66	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1878.29 Profile: PF 1

E.G. Elev (m)	49.84	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	49.79	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	49.56	Flow Area (m2)		41.22	
E.G. Slope (m/m)	0.002118	Area (m2)		41.22	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	79.53	Top Width (m)		79.53	
Vel Total (m/s)	0.98	Avg. Vel. (m/s)		0.98	
Max Chl Dpth (m)	0.67	Hydr. Depth (m)		0.52	
Conv. Total (m3/s)	882.1	Conv. (m3/s)		882.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		80.15	
Min Ch El (m)	49.12	Shear (N/m2)		10.68	
Alpha	1.00	Stream Power (N/m s)		10.52	
Frctn Loss (m)	0.10	Cum Volume (1000 m3)		82.21	
C & E Loss (m)	0.00	Cum SA (1000 m2)		217.51	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1828.29 Profile: PF 1

E.G. Elev (m)	49.74	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	49.69	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	49.43	Flow Area (m2)		42.90	
E.G. Slope (m/m)	0.001904	Area (m2)		42.90	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	81.29	Top Width (m)		81.29	
Vel Total (m/s)	0.95	Avg. Vel. (m/s)		0.95	
Max Chl Dpth (m)	0.75	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	930.2	Conv. (m3/s)		930.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		81.79	
Min Ch El (m)	48.94	Shear (N/m2)		9.80	
Alpha	1.00	Stream Power (N/m s)		9.27	
Frctn Loss (m)	0.12	Cum Volume (1000 m3)		80.11	
C & E Loss (m)	0.00	Cum SA (1000 m2)		213.48	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1778.29 Profile: PF 1

E.G. Elev (m)	49.62	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	49.58	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		47.47	
E.G. Slope (m/m)	0.003124	Area (m2)		47.47	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1778.29 Profile: PF 1 (Continued)

Top Width (m)	152.41	Top Width (m)		152.41	
Vel Total (m/s)	0.86	Avg. Vel. (m/s)		0.86	
Max Chl Dpth (m)	1.03	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	726.2	Conv. (m3/s)		726.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		152.67	
Min Ch EI (m)	48.55	Shear (N/m2)		9.53	
Alpha	1.00	Stream Power (N/m s)		8.14	
Frctn Loss (m)	0.15	Cum Volume (1000 m3)		77.85	
C & E Loss (m)	0.00	Cum SA (1000 m2)		207.64	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1728.29 Profile: PF 1

E.G. Elev (m)	49.46	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	49.43	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		48.71	
E.G. Slope (m/m)	0.003017	Area (m2)		48.71	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	158.46	Top Width (m)		158.46	
Vel Total (m/s)	0.83	Avg. Vel. (m/s)		0.83	
Max Chl Dpth (m)	1.04	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	738.9	Conv. (m3/s)		738.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		158.63	
Min Ch EI (m)	48.38	Shear (N/m2)		9.08	
Alpha	1.00	Stream Power (N/m s)		7.57	
Frctn Loss (m)	0.13	Cum Volume (1000 m3)		75.45	
C & E Loss (m)	0.00	Cum SA (1000 m2)		199.87	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1678.29 Profile: PF 1

E.G. Elev (m)	49.33	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	49.30	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		55.54	
E.G. Slope (m/m)	0.002173	Area (m2)		55.54	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	172.04	Top Width (m)		172.04	
Vel Total (m/s)	0.73	Avg. Vel. (m/s)		0.73	
Max Chl Dpth (m)	1.18	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	870.8	Conv. (m3/s)		870.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		172.18	
Min Ch EI (m)	48.12	Shear (N/m2)		6.87	
Alpha	1.00	Stream Power (N/m s)		5.02	
Frctn Loss (m)	0.23	Cum Volume (1000 m3)		72.84	
C & E Loss (m)	0.01	Cum SA (1000 m2)		191.61	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1628.29 Profile: PF 1

E.G. Elev (m)	49.09	Element	Left OB	Channel	Right OB
Vel Head (m)	0.10	Wt. n-Val.		0.030	
W.S. Elev (m)	48.98	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	48.98	Flow Area (m2)		28.46	
E.G. Slope (m/m)	0.016659	Area (m2)		28.46	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	149.07	Top Width (m)		149.07	
Vel Total (m/s)	1.43	Avg. Vel. (m/s)		1.43	
Max Chl Dpth (m)	0.93	Hydr. Depth (m)		0.19	
Conv. Total (m3/s)	314.5	Conv. (m3/s)		314.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		149.15	
Min Ch EI (m)	48.05	Shear (N/m2)		31.18	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1628.29 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		44.46	
Frctn Loss (m)	0.26	Cum Volume (1000 m3)		70.74	
C & E Loss (m)	0.02	Cum SA (1000 m2)		183.58	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1578.29 Profile: PF 1

E.G. Elev (m)	48.72	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	48.69	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	48.51	Flow Area (m2)		49.97	
E.G. Slope (m/m)	0.002482	Area (m2)		49.97	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	146.05	Top Width (m)		146.05	
Vel Total (m/s)	0.81	Avg. Vel. (m/s)		0.81	
Max Chl Dpth (m)	0.93	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	814.7	Conv. (m3/s)		814.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		146.07	
Min Ch EI (m)	47.76	Shear (N/m2)		8.33	
Alpha	1.00	Stream Power (N/m s)		6.76	
Frctn Loss (m)	0.21	Cum Volume (1000 m3)		68.78	
C & E Loss (m)	0.00	Cum SA (1000 m2)		176.20	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1528.29 Profile: PF 1

E.G. Elev (m)	48.51	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	48.43	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		32.78	
E.G. Slope (m/m)	0.008298	Area (m2)		32.78	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	125.84	Top Width (m)		125.84	
Vel Total (m/s)	1.24	Avg. Vel. (m/s)		1.24	
Max Chl Dpth (m)	0.82	Hydr. Depth (m)		0.26	
Conv. Total (m3/s)	445.6	Conv. (m3/s)		445.6	
Length Wtd. (m)	50.00	Wetted Per. (m)		125.86	
Min Ch EI (m)	47.61	Shear (N/m2)		21.19	
Alpha	1.00	Stream Power (N/m s)		26.24	
Frctn Loss (m)	0.19	Cum Volume (1000 m3)		66.71	
C & E Loss (m)	0.01	Cum SA (1000 m2)		169.41	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1478.29 Profile: PF 1

E.G. Elev (m)	48.31	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	48.28	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		49.98	
E.G. Slope (m/m)	0.002154	Area (m2)		49.98	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	131.38	Top Width (m)		131.38	
Vel Total (m/s)	0.81	Avg. Vel. (m/s)		0.81	
Max Chl Dpth (m)	1.23	Hydr. Depth (m)		0.38	
Conv. Total (m3/s)	874.5	Conv. (m3/s)		874.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		131.44	
Min Ch EI (m)	47.04	Shear (N/m2)		8.03	
Alpha	1.00	Stream Power (N/m s)		6.52	
Frctn Loss (m)	0.15	Cum Volume (1000 m3)		64.64	
C & E Loss (m)	0.00	Cum SA (1000 m2)		162.97	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1428.29 Profile: PF 1

E.G. Elev (m)	48.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	48.11	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		41.94	
E.G. Slope (m/m)	0.004327	Area (m2)		41.94	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	142.71	Top Width (m)		142.71	
Vel Total (m/s)	0.97	Avg. Vel. (m/s)		0.97	
Max Chl Dpth (m)	0.56	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	617.1	Conv. (m3/s)		617.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		143.02	
Min Ch El (m)	47.55	Shear (N/m2)		12.44	
Alpha	1.00	Stream Power (N/m s)		12.04	
Frctn Loss (m)	0.26	Cum Volume (1000 m3)		62.34	
C & E Loss (m)	0.00	Cum SA (1000 m2)		156.12	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1378.29 Profile: PF 1

E.G. Elev (m)	47.90	Element	Left OB	Channel	Right OB
Vel Head (m)	0.07	Wt. n-Val.		0.030	
W.S. Elev (m)	47.83	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		34.40	
E.G. Slope (m/m)	0.006437	Area (m2)		34.40	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	117.13	Top Width (m)		117.13	
Vel Total (m/s)	1.18	Avg. Vel. (m/s)		1.18	
Max Chl Dpth (m)	0.83	Hydr. Depth (m)		0.29	
Conv. Total (m3/s)	505.9	Conv. (m3/s)		505.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		117.36	
Min Ch El (m)	47.00	Shear (N/m2)		18.50	
Alpha	1.00	Stream Power (N/m s)		21.83	
Frctn Loss (m)	0.16	Cum Volume (1000 m3)		60.43	
C & E Loss (m)	0.01	Cum SA (1000 m2)		149.63	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1328.29 Profile: PF 1

E.G. Elev (m)	47.73	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	47.69	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		45.47	
E.G. Slope (m/m)	0.001956	Area (m2)		45.47	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	96.01	Top Width (m)		96.01	
Vel Total (m/s)	0.89	Avg. Vel. (m/s)		0.89	
Max Chl Dpth (m)	1.62	Hydr. Depth (m)		0.47	
Conv. Total (m3/s)	917.7	Conv. (m3/s)		917.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		96.48	
Min Ch El (m)	46.07	Shear (N/m2)		9.04	
Alpha	1.00	Stream Power (N/m s)		8.07	
Frctn Loss (m)	0.09	Cum Volume (1000 m3)		58.44	
C & E Loss (m)	0.00	Cum SA (1000 m2)		144.30	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1278.29 Profile: PF 1

E.G. Elev (m)	47.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	47.60	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		45.17	
E.G. Slope (m/m)	0.001655	Area (m2)		45.17	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1278.29 Profile: PF 1 (Continued)

Top Width (m)	83.10	Top Width (m)		83.10	
Vel Total (m/s)	0.90	Avg. Vel. (m/s)		0.90	
Max Chl Dpth (m)	2.02	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	997.8	Conv. (m3/s)		997.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		83.71	
Min Ch El (m)	45.58	Shear (N/m2)		8.76	
Alpha	1.00	Stream Power (N/m s)		7.87	
Frctn Loss (m)	0.10	Cum Volume (1000 m3)		56.17	
C & E Loss (m)	0.00	Cum SA (1000 m2)		139.82	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1228.29 Profile: PF 1

E.G. Elev (m)	47.54	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	47.49	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		40.92	
E.G. Slope (m/m)	0.002448	Area (m2)		40.92	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	87.30	Top Width (m)		87.30	
Vel Total (m/s)	0.99	Avg. Vel. (m/s)		0.99	
Max Chl Dpth (m)	1.73	Hydr. Depth (m)		0.47	
Conv. Total (m3/s)	820.4	Conv. (m3/s)		820.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		87.75	
Min Ch El (m)	45.76	Shear (N/m2)		11.20	
Alpha	1.00	Stream Power (N/m s)		11.10	
Frctn Loss (m)	0.16	Cum Volume (1000 m3)		54.02	
C & E Loss (m)	0.00	Cum SA (1000 m2)		135.56	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1178.29 Profile: PF 1

E.G. Elev (m)	47.37	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	47.29	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		31.98	
E.G. Slope (m/m)	0.004673	Area (m2)		31.98	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	76.52	Top Width (m)		76.52	
Vel Total (m/s)	1.27	Avg. Vel. (m/s)		1.27	
Max Chl Dpth (m)	1.01	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	593.8	Conv. (m3/s)		593.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		76.90	
Min Ch El (m)	46.28	Shear (N/m2)		19.05	
Alpha	1.00	Stream Power (N/m s)		24.19	
Frctn Loss (m)	0.12	Cum Volume (1000 m3)		52.20	
C & E Loss (m)	0.01	Cum SA (1000 m2)		131.47	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1128.29 Profile: PF 1

E.G. Elev (m)	47.24	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	47.20	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		48.21	
E.G. Slope (m/m)	0.001436	Area (m2)		48.21	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	88.26	Top Width (m)		88.26	
Vel Total (m/s)	0.84	Avg. Vel. (m/s)		0.84	
Max Chl Dpth (m)	1.55	Hydr. Depth (m)		0.55	
Conv. Total (m3/s)	1071.0	Conv. (m3/s)		1071.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		88.62	
Min Ch El (m)	45.65	Shear (N/m2)		7.66	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1128.29 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		6.45	
Frctn Loss (m)	0.04	Cum Volume (1000 m3)		50.19	
C & E Loss (m)	0.01	Cum SA (1000 m2)		127.35	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1078.29 Profile: PF 1

E.G. Elev (m)	47.19	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	47.18	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		78.44	
E.G. Slope (m/m)	0.000496	Area (m2)		78.44	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	134.26	Top Width (m)		134.26	
Vel Total (m/s)	0.52	Avg. Vel. (m/s)		0.52	
Max Chl Dpth (m)	2.13	Hydr. Depth (m)		0.58	
Conv. Total (m3/s)	1822.5	Conv. (m3/s)		1822.5	
Length Wtd. (m)	50.00	Wetted Per. (m)		134.78	
Min Ch EI (m)	45.04	Shear (N/m2)		2.83	
Alpha	1.00	Stream Power (N/m s)		1.46	
Frctn Loss (m)	0.03	Cum Volume (1000 m3)		47.03	
C & E Loss (m)	0.00	Cum SA (1000 m2)		121.78	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 1028.29 Profile: PF 1

E.G. Elev (m)	47.16	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	47.14	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		71.10	
E.G. Slope (m/m)	0.000646	Area (m2)		71.10	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	127.96	Top Width (m)		127.96	
Vel Total (m/s)	0.57	Avg. Vel. (m/s)		0.57	
Max Chl Dpth (m)	1.41	Hydr. Depth (m)		0.56	
Conv. Total (m3/s)	1597.4	Conv. (m3/s)		1597.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		128.48	
Min Ch EI (m)	45.73	Shear (N/m2)		3.50	
Alpha	1.00	Stream Power (N/m s)		2.00	
Frctn Loss (m)	0.09	Cum Volume (1000 m3)		43.29	
C & E Loss (m)	0.02	Cum SA (1000 m2)		115.23	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 978.29 Profile: PF 1

E.G. Elev (m)	47.06	Element	Left OB	Channel	Right OB
Vel Head (m)	0.19	Wt. n-Val.		0.030	
W.S. Elev (m)	46.87	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	46.87	Flow Area (m2)		21.20	
E.G. Slope (m/m)	0.012866	Area (m2)		21.20	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	58.76	Top Width (m)		58.76	
Vel Total (m/s)	1.91	Avg. Vel. (m/s)		1.91	
Max Chl Dpth (m)	1.13	Hydr. Depth (m)		0.36	
Conv. Total (m3/s)	357.9	Conv. (m3/s)		357.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		58.84	
Min Ch EI (m)	45.74	Shear (N/m2)		45.46	
Alpha	1.00	Stream Power (N/m s)		87.04	
Frctn Loss (m)	0.37	Cum Volume (1000 m3)		40.98	
C & E Loss (m)	0.01	Cum SA (1000 m2)		110.56	



Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 928.29 Profile: PF 1

E.G. Elev (m)	46.64	Element	Left OB	Channel	Right OB
Vel Head (m)	0.25	Wt. n-Val.		0.030	
W.S. Elev (m)	46.39	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	46.17	Flow Area (m2)		18.47	
E.G. Slope (m/m)	0.004881	Area (m2)		18.47	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	19.80	Top Width (m)		19.80	
Vel Total (m/s)	2.20	Avg. Vel. (m/s)		2.20	
Max Chl Dpth (m)	1.87	Hydr. Depth (m)		0.93	
Conv. Total (m3/s)	581.0	Conv. (m3/s)		581.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		20.15	
Min Ch El (m)	44.53	Shear (N/m2)		43.88	
Alpha	1.00	Stream Power (N/m s)		96.43	
Frctn Loss (m)	0.23	Cum Volume (1000 m3)		39.99	
C & E Loss (m)	0.06	Cum SA (1000 m2)		108.60	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 878.29 Profile: PF 1

E.G. Elev (m)	46.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	46.30	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		41.12	
E.G. Slope (m/m)	0.004387	Area (m2)		41.12	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	137.52	Top Width (m)		137.52	
Vel Total (m/s)	0.99	Avg. Vel. (m/s)		0.99	
Max Chl Dpth (m)	0.92	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	612.8	Conv. (m3/s)		612.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		137.56	
Min Ch El (m)	45.38	Shear (N/m2)		12.86	
Alpha	1.00	Stream Power (N/m s)		12.69	
Frctn Loss (m)	0.15	Cum Volume (1000 m3)		38.50	
C & E Loss (m)	0.01	Cum SA (1000 m2)		104.66	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 828.29 Profile: PF 1

E.G. Elev (m)	46.20	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	46.17	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.47	Flow Area (m2)		53.25	
E.G. Slope (m/m)	0.002088	Area (m2)		53.25	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	150.06	Top Width (m)		150.06	
Vel Total (m/s)	0.76	Avg. Vel. (m/s)		0.76	
Max Chl Dpth (m)	2.27	Hydr. Depth (m)		0.35	
Conv. Total (m3/s)	888.4	Conv. (m3/s)		888.4	
Length Wtd. (m)	50.00	Wetted Per. (m)		150.38	
Min Ch El (m)	43.90	Shear (N/m2)		7.25	
Alpha	1.00	Stream Power (N/m s)		5.53	
Frctn Loss (m)	0.14	Cum Volume (1000 m3)		36.14	
C & E Loss (m)	0.00	Cum SA (1000 m2)		97.47	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 778.29 Profile: PF 1

E.G. Elev (m)	46.05	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	46.02	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.94	Flow Area (m2)		52.39	
E.G. Slope (m/m)	0.004179	Area (m2)		52.39	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 778.29 Profile: PF 1 (Continued)

Top Width (m)	243.00	Top Width (m)		243.00	
Vel Total (m/s)	0.77	Avg. Vel. (m/s)		0.77	
Max Chl Dpth (m)	0.86	Hydr. Depth (m)		0.22	
Conv. Total (m3/s)	627.9	Conv. (m3/s)		627.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		243.03	
Min Ch El (m)	45.16	Shear (N/m2)		8.83	
Alpha	1.00	Stream Power (N/m s)		6.84	
Frctn Loss (m)	0.14	Cum Volume (1000 m3)		33.50	
C & E Loss (m)	0.00	Cum SA (1000 m2)		87.65	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 728.29 Profile: PF 1

E.G. Elev (m)	45.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	45.89	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		60.13	
E.G. Slope (m/m)	0.001898	Area (m2)		60.13	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	189.58	Top Width (m)		189.58	
Vel Total (m/s)	0.68	Avg. Vel. (m/s)		0.68	
Max Chl Dpth (m)	1.27	Hydr. Depth (m)		0.32	
Conv. Total (m3/s)	931.8	Conv. (m3/s)		931.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		189.70	
Min Ch El (m)	44.62	Shear (N/m2)		5.90	
Alpha	1.00	Stream Power (N/m s)		3.98	
Frctn Loss (m)	0.15	Cum Volume (1000 m3)		30.69	
C & E Loss (m)	0.00	Cum SA (1000 m2)		76.83	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 678.29 Profile: PF 1

E.G. Elev (m)	45.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	45.72	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.65	Flow Area (m2)		42.96	
E.G. Slope (m/m)	0.005473	Area (m2)		42.96	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	181.17	Top Width (m)		181.17	
Vel Total (m/s)	0.94	Avg. Vel. (m/s)		0.94	
Max Chl Dpth (m)	0.73	Hydr. Depth (m)		0.24	
Conv. Total (m3/s)	548.7	Conv. (m3/s)		548.7	
Length Wtd. (m)	50.00	Wetted Per. (m)		181.20	
Min Ch El (m)	44.99	Shear (N/m2)		12.73	
Alpha	1.00	Stream Power (N/m s)		12.02	
Frctn Loss (m)	0.19	Cum Volume (1000 m3)		28.11	
C & E Loss (m)	0.00	Cum SA (1000 m2)		67.56	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 628.29 Profile: PF 1

E.G. Elev (m)	45.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	45.54	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		50.35	
E.G. Slope (m/m)	0.002785	Area (m2)		50.35	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	162.23	Top Width (m)		162.23	
Vel Total (m/s)	0.81	Avg. Vel. (m/s)		0.81	
Max Chl Dpth (m)	1.33	Hydr. Depth (m)		0.31	
Conv. Total (m3/s)	769.2	Conv. (m3/s)		769.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		162.30	
Min Ch El (m)	44.21	Shear (N/m2)		8.47	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 628.29 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		6.83	
Frctn Loss (m)	0.25	Cum Volume (1000 m3)		25.77	
C & E Loss (m)	0.02	Cum SA (1000 m2)		58.98	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 578.29 Profile: PF 1

E.G. Elev (m)	45.30	Element	Left OB	Channel	Right OB
Vel Head (m)	0.27	Wt. n-Val.		0.030	
W.S. Elev (m)	45.03	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	45.03	Flow Area (m2)		17.61	
E.G. Slope (m/m)	0.011125	Area (m2)		17.61	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	33.08	Top Width (m)		33.08	
Vel Total (m/s)	2.30	Avg. Vel. (m/s)		2.30	
Max Chl Dpth (m)	1.18	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	384.8	Conv. (m3/s)		384.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		33.17	
Min Ch El (m)	43.85	Shear (N/m2)		57.91	
Alpha	1.00	Stream Power (N/m s)		133.49	
Frctn Loss (m)	0.09	Cum Volume (1000 m3)		24.08	
C & E Loss (m)	0.07	Cum SA (1000 m2)		54.10	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 528.29 Profile: PF 1

E.G. Elev (m)	45.04	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	45.02	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.62	Flow Area (m2)		59.89	
E.G. Slope (m/m)	0.000744	Area (m2)		59.89	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	92.62	Top Width (m)		92.62	
Vel Total (m/s)	0.68	Avg. Vel. (m/s)		0.68	
Max Chl Dpth (m)	1.10	Hydr. Depth (m)		0.65	
Conv. Total (m3/s)	1488.2	Conv. (m3/s)		1488.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		93.04	
Min Ch El (m)	43.92	Shear (N/m2)		4.70	
Alpha	1.00	Stream Power (N/m s)		3.18	
Frctn Loss (m)	0.06	Cum Volume (1000 m3)		22.14	
C & E Loss (m)	0.00	Cum SA (1000 m2)		50.95	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 478.29 Profile: PF 1

E.G. Elev (m)	44.98	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	44.94	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		44.97	
E.G. Slope (m/m)	0.002002	Area (m2)		44.97	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	94.92	Top Width (m)		94.92	
Vel Total (m/s)	0.90	Avg. Vel. (m/s)		0.90	
Max Chl Dpth (m)	0.95	Hydr. Depth (m)		0.47	
Conv. Total (m3/s)	907.3	Conv. (m3/s)		907.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		95.52	
Min Ch El (m)	43.99	Shear (N/m2)		9.24	
Alpha	1.00	Stream Power (N/m s)		8.34	
Frctn Loss (m)	0.07	Cum Volume (1000 m3)		19.52	
C & E Loss (m)	0.00	Cum SA (1000 m2)		46.26	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 428.29 Profile: PF 1

E.G. Elev (m)	44.91	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	44.88	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		55.18	
E.G. Slope (m/m)	0.001126	Area (m2)		55.18	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	102.91	Top Width (m)		102.91	
Vel Total (m/s)	0.74	Avg. Vel. (m/s)		0.74	
Max Chl Dpth (m)	1.06	Hydr. Depth (m)		0.54	
Conv. Total (m3/s)	1209.8	Conv. (m3/s)		1209.8	
Length Wtd. (m)	50.00	Wetted Per. (m)		103.44	
Min Ch El (m)	43.82	Shear (N/m2)		5.89	
Alpha	1.00	Stream Power (N/m s)		4.33	
Frctn Loss (m)	0.11	Cum Volume (1000 m3)		17.01	
C & E Loss (m)	0.00	Cum SA (1000 m2)		41.32	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 378.29 Profile: PF 1

E.G. Elev (m)	44.79	Element	Left OB	Channel	Right OB
Vel Head (m)	0.08	Wt. n-Val.		0.030	
W.S. Elev (m)	44.71	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.64	Flow Area (m2)		33.07	
E.G. Slope (m/m)	0.006772	Area (m2)		33.07	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	110.46	Top Width (m)		110.46	
Vel Total (m/s)	1.23	Avg. Vel. (m/s)		1.23	
Max Chl Dpth (m)	1.05	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	493.3	Conv. (m3/s)		493.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		110.51	
Min Ch El (m)	43.66	Shear (N/m2)		19.87	
Alpha	1.00	Stream Power (N/m s)		24.39	
Frctn Loss (m)	0.46	Cum Volume (1000 m3)		14.81	
C & E Loss (m)	0.01	Cum SA (1000 m2)		35.98	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 328.29 Profile: PF 1

E.G. Elev (m)	44.32	Element	Left OB	Channel	Right OB
Vel Head (m)	0.15	Wt. n-Val.		0.030	
W.S. Elev (m)	44.17	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	44.17	Flow Area (m2)		23.67	
E.G. Slope (m/m)	0.013330	Area (m2)		23.67	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	79.51	Top Width (m)		79.51	
Vel Total (m/s)	1.72	Avg. Vel. (m/s)		1.72	
Max Chl Dpth (m)	0.94	Hydr. Depth (m)		0.30	
Conv. Total (m3/s)	351.6	Conv. (m3/s)		351.6	
Length Wtd. (m)	50.00	Wetted Per. (m)		79.56	
Min Ch El (m)	43.23	Shear (N/m2)		38.89	
Alpha	1.00	Stream Power (N/m s)		66.69	
Frctn Loss (m)	0.27	Cum Volume (1000 m3)		13.39	
C & E Loss (m)	0.03	Cum SA (1000 m2)		31.23	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 278.29 Profile: PF 1

E.G. Elev (m)	43.76	Element	Left OB	Channel	Right OB
Vel Head (m)	0.05	Wt. n-Val.		0.030	
W.S. Elev (m)	43.71	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	43.50	Flow Area (m2)		41.80	
E.G. Slope (m/m)	0.002883	Area (m2)		41.80	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 278.29 Profile: PF 1 (Continued)

Top Width (m)	104.54	Top Width (m)		104.54	
Vel Total (m/s)	0.97	Avg. Vel. (m/s)		0.97	
Max Chl Dpth (m)	0.88	Hydr. Depth (m)		0.40	
Conv. Total (m3/s)	756.0	Conv. (m3/s)		756.0	
Length Wtd. (m)	50.00	Wetted Per. (m)		104.58	
Min Ch El (m)	42.83	Shear (N/m2)		11.30	
Alpha	1.00	Stream Power (N/m s)		10.97	
Frctn Loss (m)	0.10	Cum Volume (1000 m3)		11.75	
C & E Loss (m)	0.01	Cum SA (1000 m2)		26.63	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 228.29 Profile: PF 1

E.G. Elev (m)	43.65	Element	Left OB	Channel	Right OB
Vel Head (m)	0.03	Wt. n-Val.		0.030	
W.S. Elev (m)	43.62	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		54.65	
E.G. Slope (m/m)	0.001441	Area (m2)		54.65	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	121.32	Top Width (m)		121.32	
Vel Total (m/s)	0.74	Avg. Vel. (m/s)		0.74	
Max Chl Dpth (m)	1.09	Hydr. Depth (m)		0.45	
Conv. Total (m3/s)	1069.2	Conv. (m3/s)		1069.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		121.56	
Min Ch El (m)	42.54	Shear (N/m2)		6.35	
Alpha	1.00	Stream Power (N/m s)		4.72	
Frctn Loss (m)	0.04	Cum Volume (1000 m3)		9.34	
C & E Loss (m)	0.00	Cum SA (1000 m2)		20.99	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 178.29 Profile: PF 1

E.G. Elev (m)	43.60	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	43.59	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		79.57	
E.G. Slope (m/m)	0.000549	Area (m2)		79.57	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	150.00	Top Width (m)		150.00	
Vel Total (m/s)	0.51	Avg. Vel. (m/s)		0.51	
Max Chl Dpth (m)	0.76	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	1731.9	Conv. (m3/s)		1731.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		150.81	
Min Ch El (m)	42.83	Shear (N/m2)		2.84	
Alpha	1.00	Stream Power (N/m s)		1.45	
Frctn Loss (m)	0.04	Cum Volume (1000 m3)		5.98	
C & E Loss (m)	0.00	Cum SA (1000 m2)		14.20	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 128.29 Profile: PF 1

E.G. Elev (m)	43.57	Element	Left OB	Channel	Right OB
Vel Head (m)	0.02	Wt. n-Val.		0.030	
W.S. Elev (m)	43.55	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		66.44	
E.G. Slope (m/m)	0.000993	Area (m2)		66.44	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	149.65	Top Width (m)		149.65	
Vel Total (m/s)	0.61	Avg. Vel. (m/s)		0.61	
Max Chl Dpth (m)	0.75	Hydr. Depth (m)		0.44	
Conv. Total (m3/s)	1288.1	Conv. (m3/s)		1288.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		149.80	
Min Ch El (m)	42.80	Shear (N/m2)		4.32	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 128.29 Profile: PF 1 (Continued)

Alpha	1.00	Stream Power (N/m s)		2.64	
Frctn Loss (m)	0.13	Cum Volume (1000 m3)		2.33	
C & E Loss (m)	0.01	Cum SA (1000 m2)		6.71	

Plan: Plan01 Canale_Trionfo_1 Canale_Trionfo_1 RS: 78.29 Profile: PF 1

E.G. Elev (m)	43.43	Element	Left OB	Channel	Right OB
Vel Head (m)	0.12	Wt. n-Val.		0.030	
W.S. Elev (m)	43.31	Reach Len. (m)	0.00	0.00	0.00
Crit W.S. (m)	43.31	Flow Area (m2)		26.93	
E.G. Slope (m/m)	0.014818	Area (m2)		26.93	
Q Total (m3/s)	40.59	Flow (m3/s)		40.59	
Top Width (m)	118.84	Top Width (m)		118.84	
Vel Total (m/s)	1.51	Avg. Vel. (m/s)		1.51	
Max Chl Dpth (m)	0.32	Hydr. Depth (m)		0.23	
Conv. Total (m3/s)	333.4	Conv. (m3/s)		333.4	
Length Wtd. (m)	0.00	Wetted Per. (m)		118.94	
Min Ch EI (m)	42.99	Shear (N/m2)		32.90	
Alpha	1.00	Stream Power (N/m s)		49.59	
Frctn Loss (m)	0.00	Cum Volume (1000 m3)			
C & E Loss (m)	0.08	Cum SA (1000 m2)			

Plan: Plan01 Canale_Trionfo_2 Canale_Trionfo_2 RS: 280.56 Profile: PF 1

E.G. Elev (m)	43.35	Element	Left OB	Channel	Right OB
Vel Head (m)	0.91	Wt. n-Val.		0.030	
W.S. Elev (m)	42.44	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	42.64	Flow Area (m2)		12.80	
E.G. Slope (m/m)	0.173309	Area (m2)		12.80	
Q Total (m3/s)	54.15	Flow (m3/s)		54.15	
Top Width (m)	75.91	Top Width (m)		75.91	
Vel Total (m/s)	4.23	Avg. Vel. (m/s)		4.23	
Max Chl Dpth (m)	0.96	Hydr. Depth (m)		0.17	
Conv. Total (m3/s)	130.1	Conv. (m3/s)		130.1	
Length Wtd. (m)	50.00	Wetted Per. (m)		76.09	
Min Ch EI (m)	41.48	Shear (N/m2)		285.96	
Alpha	1.00	Stream Power (N/m s)		1209.42	
Frctn Loss (m)	0.03	Cum Volume (1000 m3)		19.61	
C & E Loss (m)	0.01	Cum SA (1000 m2)		41.05	

Plan: Plan01 Canale_Trionfo_2 Canale_Trionfo_2 RS: 230.56 Profile: PF 1

E.G. Elev (m)	42.95	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	42.94	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)	42.46	Flow Area (m2)		155.43	
E.G. Slope (m/m)	0.000244	Area (m2)		155.43	
Q Total (m3/s)	54.15	Flow (m3/s)		54.15	
Top Width (m)	283.94	Top Width (m)		283.94	
Vel Total (m/s)	0.35	Avg. Vel. (m/s)		0.35	
Max Chl Dpth (m)	1.52	Hydr. Depth (m)		0.55	
Conv. Total (m3/s)	3464.2	Conv. (m3/s)		3464.2	
Length Wtd. (m)	50.00	Wetted Per. (m)		284.30	
Min Ch EI (m)	41.42	Shear (N/m2)		1.31	
Alpha	1.00	Stream Power (N/m s)		0.46	
Frctn Loss (m)	0.02	Cum Volume (1000 m3)		15.40	
C & E Loss (m)	0.00	Cum SA (1000 m2)		32.06	

Plan: Plan01 Canale_Trionfo_2 Canale_Trionfo_2 RS: 180.56 Profile: PF 1

E.G. Elev (m)	42.92	Element	Left OB	Channel	Right OB
Vel Head (m)	0.01	Wt. n-Val.		0.030	
W.S. Elev (m)	42.91	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		103.32	
E.G. Slope (m/m)	0.000782	Area (m2)		103.32	
Q Total (m3/s)	54.15	Flow (m3/s)		54.15	
Top Width (m)	244.87	Top Width (m)		244.87	
Vel Total (m/s)	0.52	Avg. Vel. (m/s)		0.52	
Max Chl Dpth (m)	1.35	Hydr. Depth (m)		0.42	
Conv. Total (m3/s)	1936.9	Conv. (m3/s)		1936.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		244.96	
Min Ch El (m)	41.56	Shear (N/m2)		3.23	
Alpha	1.00	Stream Power (N/m s)		1.69	
Frctn Loss (m)	0.05	Cum Volume (1000 m3)		8.93	
C & E Loss (m)	0.00	Cum SA (1000 m2)		18.84	

Plan: Plan01 Canale_Trionfo_2 Canale_Trionfo_2 RS: 130.56 Profile: PF 1

E.G. Elev (m)	42.87	Element	Left OB	Channel	Right OB
Vel Head (m)	0.04	Wt. n-Val.		0.030	
W.S. Elev (m)	42.83	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		61.27	
E.G. Slope (m/m)	0.001573	Area (m2)		61.27	
Q Total (m3/s)	54.15	Flow (m3/s)		54.15	
Top Width (m)	111.44	Top Width (m)		111.44	
Vel Total (m/s)	0.88	Avg. Vel. (m/s)		0.88	
Max Chl Dpth (m)	1.44	Hydr. Depth (m)		0.55	
Conv. Total (m3/s)	1365.3	Conv. (m3/s)		1365.3	
Length Wtd. (m)	50.00	Wetted Per. (m)		112.07	
Min Ch El (m)	41.39	Shear (N/m2)		8.43	
Alpha	1.00	Stream Power (N/m s)		7.45	
Frctn Loss (m)	0.10	Cum Volume (1000 m3)		4.82	
C & E Loss (m)	0.00	Cum SA (1000 m2)		9.93	

Plan: Plan01 Canale_Trionfo_2 Canale_Trionfo_2 RS: 80.56 Profile: PF 1

E.G. Elev (m)	42.77	Element	Left OB	Channel	Right OB
Vel Head (m)	0.06	Wt. n-Val.		0.030	
W.S. Elev (m)	42.70	Reach Len. (m)	50.00	50.00	50.00
Crit W.S. (m)		Flow Area (m2)		48.93	
E.G. Slope (m/m)	0.002625	Area (m2)		48.93	
Q Total (m3/s)	54.15	Flow (m3/s)		54.15	
Top Width (m)	93.20	Top Width (m)		93.20	
Vel Total (m/s)	1.11	Avg. Vel. (m/s)		1.11	
Max Chl Dpth (m)	1.25	Hydr. Depth (m)		0.53	
Conv. Total (m3/s)	1056.9	Conv. (m3/s)		1056.9	
Length Wtd. (m)	50.00	Wetted Per. (m)		93.81	
Min Ch El (m)	41.45	Shear (N/m2)		13.43	
Alpha	1.00	Stream Power (N/m s)		14.86	
Frctn Loss (m)	0.23	Cum Volume (1000 m3)		2.06	
C & E Loss (m)	0.01	Cum SA (1000 m2)		4.81	

Plan: Plan01 Canale_Trionfo_2 Canale_Trionfo_2 RS: 30.56 Profile: PF 1

E.G. Elev (m)	42.53	Element	Left OB	Channel	Right OB
Vel Head (m)	0.13	Wt. n-Val.		0.030	
W.S. Elev (m)	42.40	Reach Len. (m)			
Crit W.S. (m)	42.37	Flow Area (m2)		33.55	
E.G. Slope (m/m)	0.010012	Area (m2)		33.55	
Q Total (m3/s)	54.15	Flow (m3/s)		54.15	



Plan: Plan01 Canale_Trionfo_2 Canale_Trionfo_2 RS: 30.56 Profile: PF 1 (Continued)

Top Width (m)	99.35	Top Width (m)		99.35	
Vel Total (m/s)	1.61	Avg. Vel. (m/s)		1.61	
Max Chl Dpth (m)	0.77	Hydr. Depth (m)		0.34	
Conv. Total (m3/s)	541.2	Conv. (m3/s)		541.2	
Length Wtd. (m)		Wetted Per. (m)		99.69	
Min Ch El (m)	41.63	Shear (N/m2)		33.05	
Alpha	1.00	Stream Power (N/m s)		53.33	
Frctn Loss (m)		Cum Volume (1000 m3)			
C & E Loss (m)		Cum SA (1000 m2)			