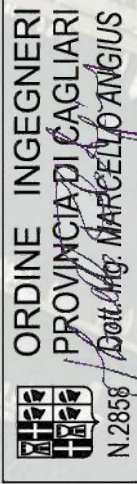




PUC 2017 **COMUNE DI CARLOFORTE**

Piano Urbanistico Comunale

Legge Regionale n. 45/1989 e s.m.i.



Doc. 13 - Risultati della modellazione idraulica Canale 2 - del Generale

aprile 2017

PUC adottato con
DCC n. 9 del 26/04/2017

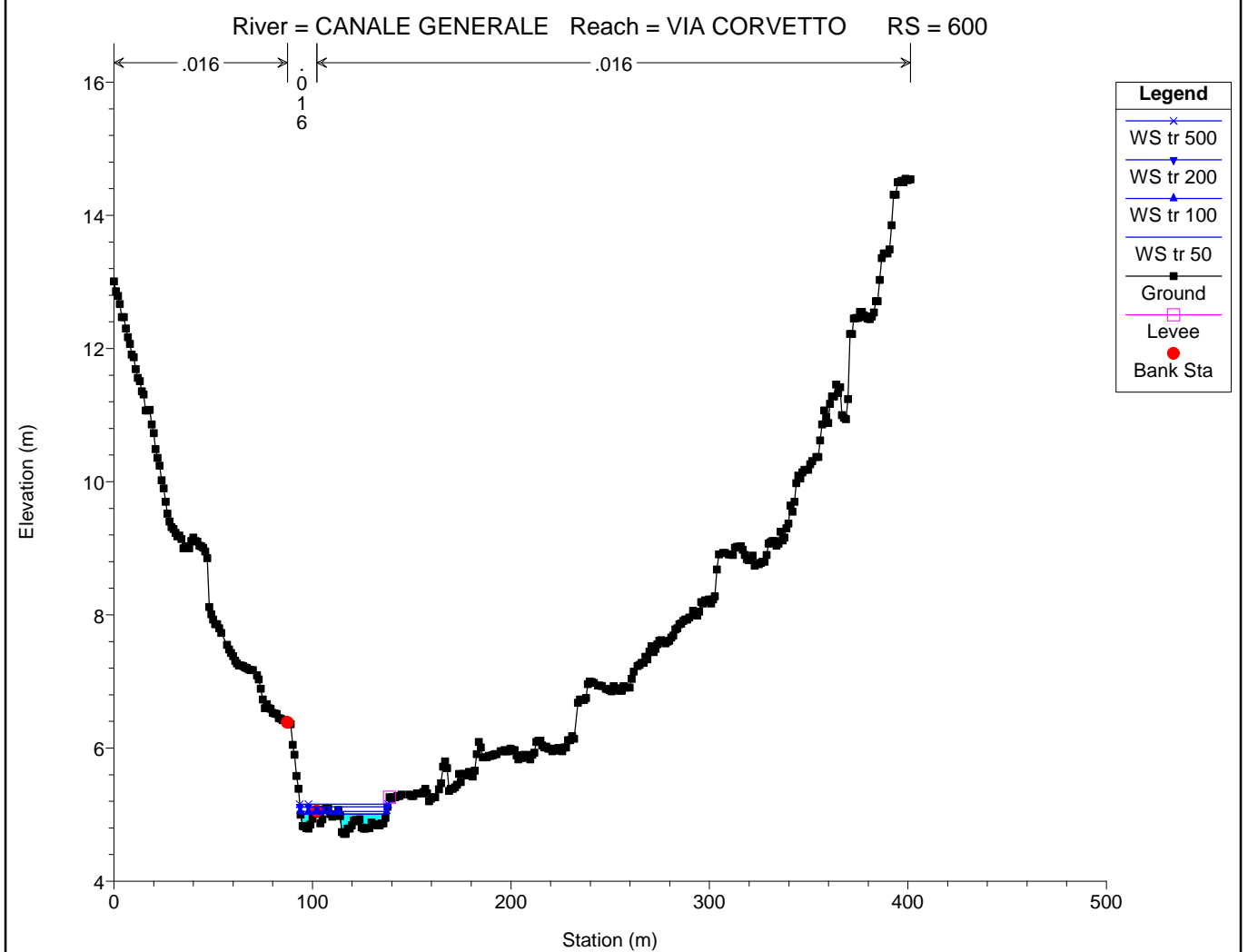
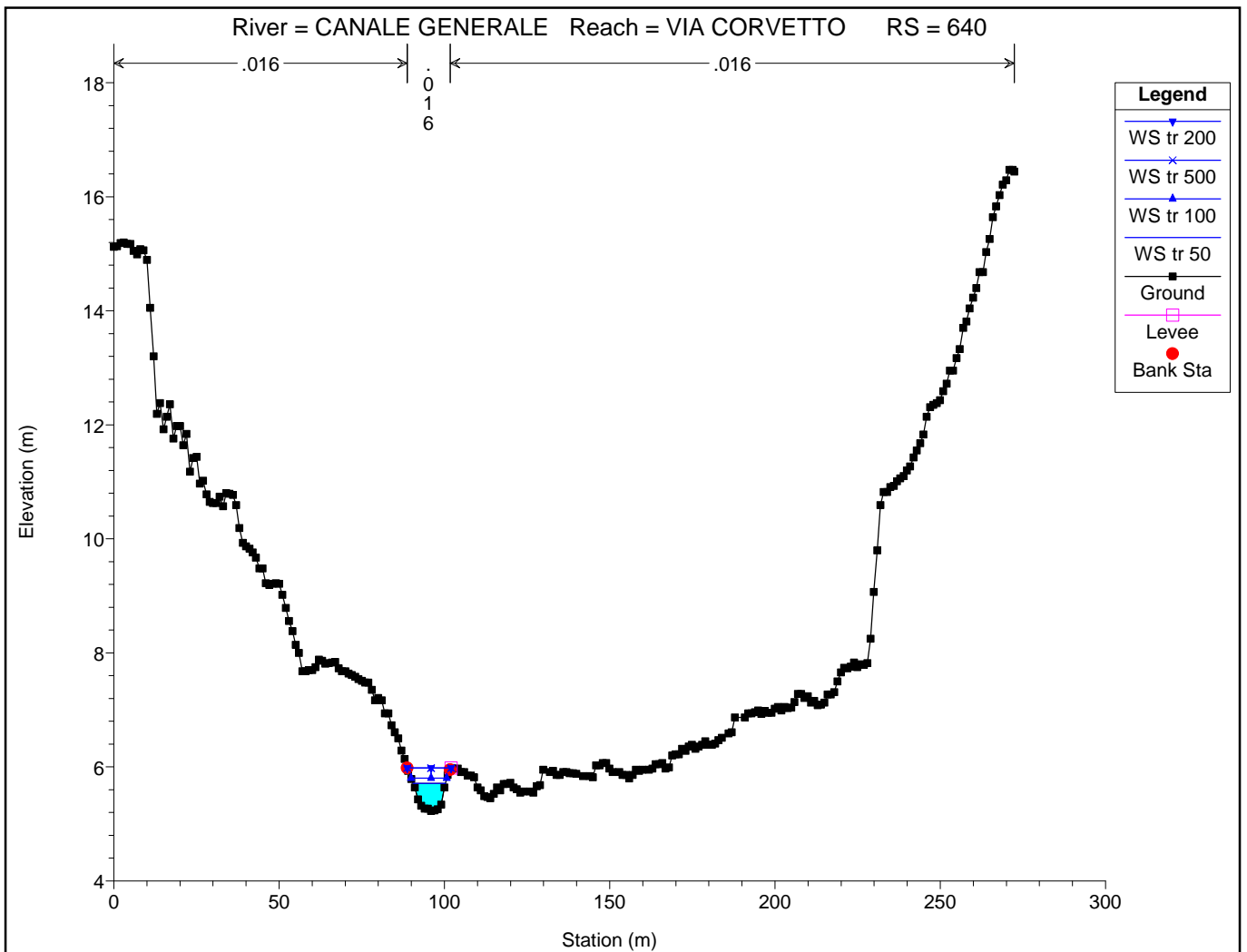
Elaborato A47

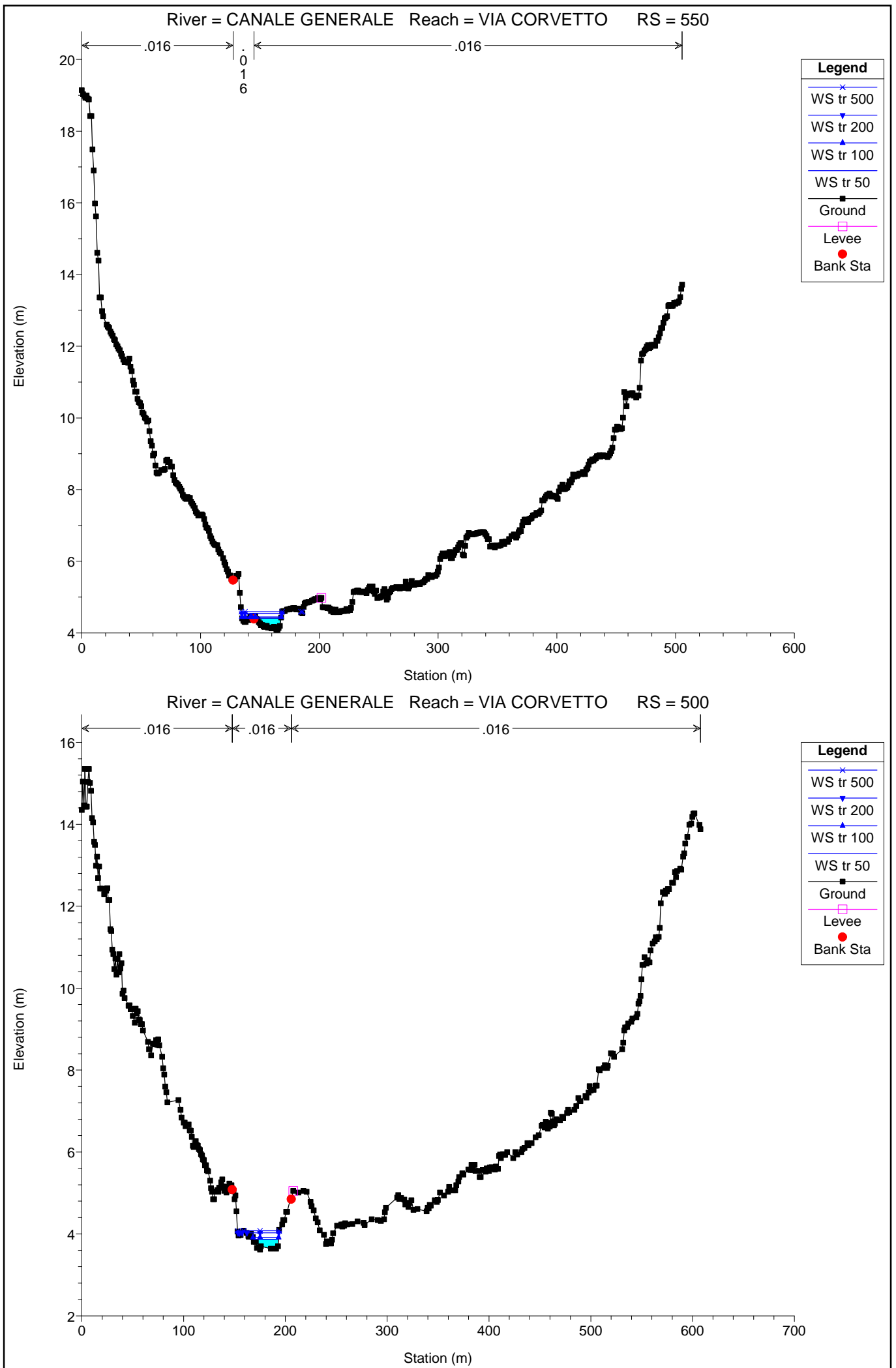
A) \ # ' ' - PARTE 1

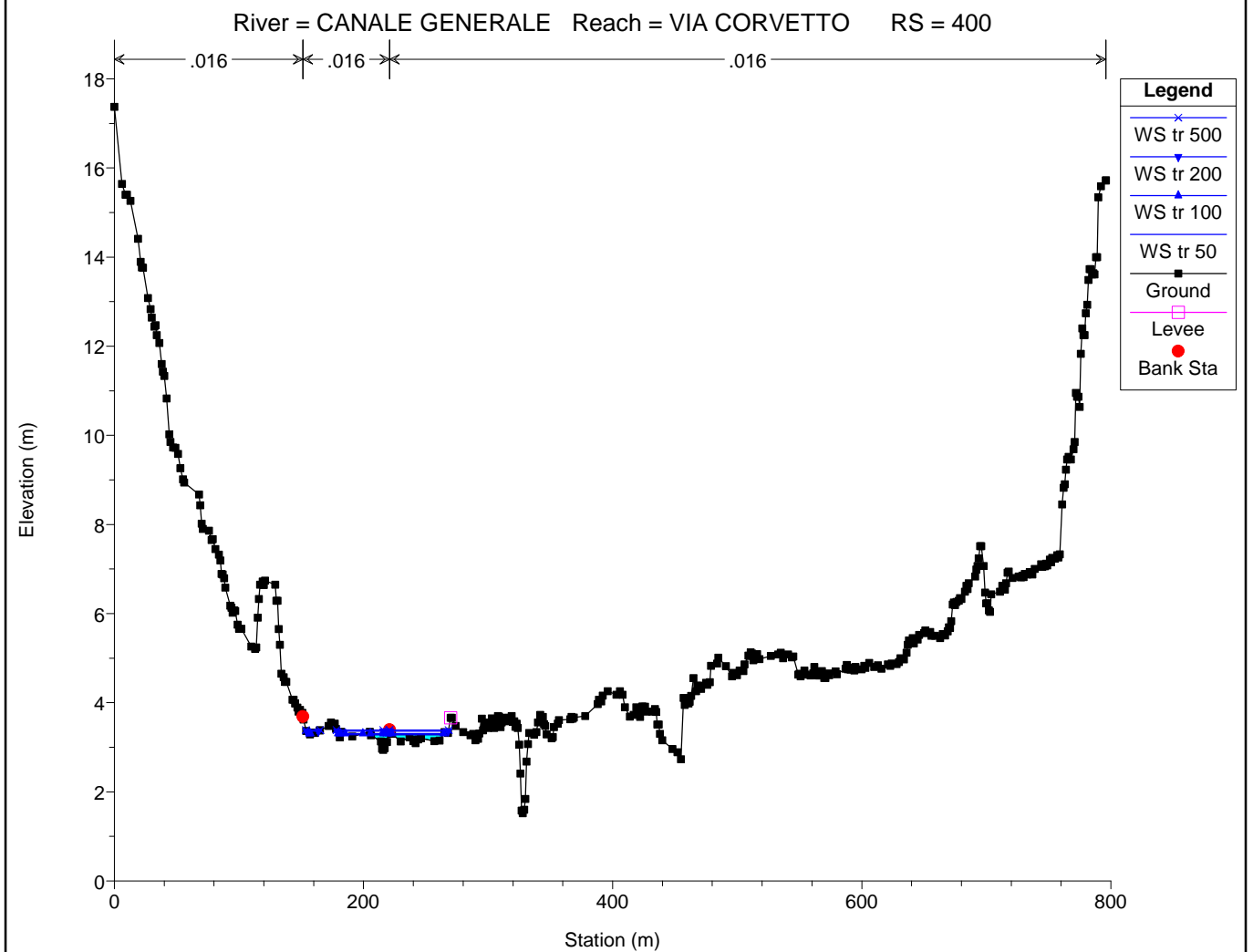
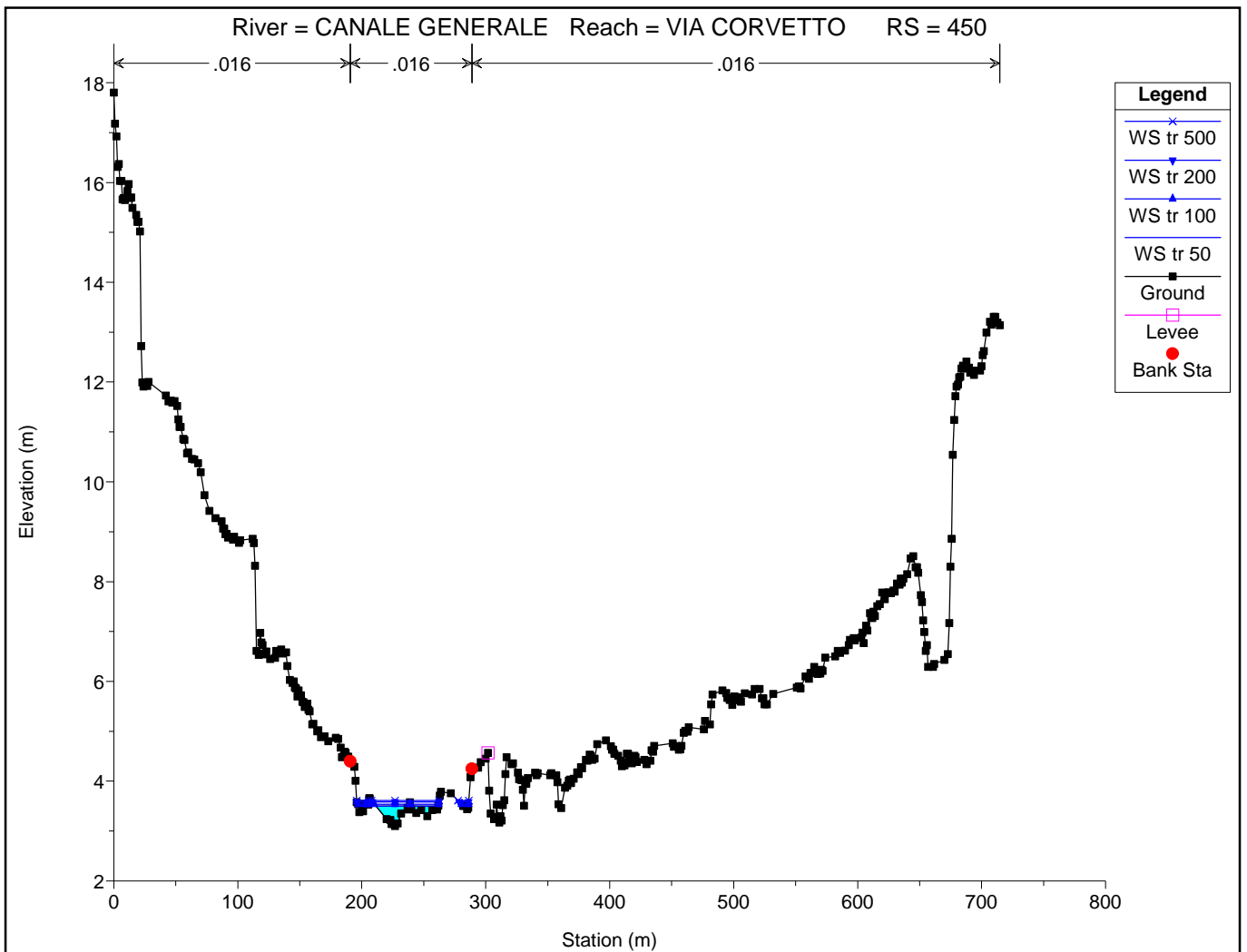
Risultati della modellazione idraulica

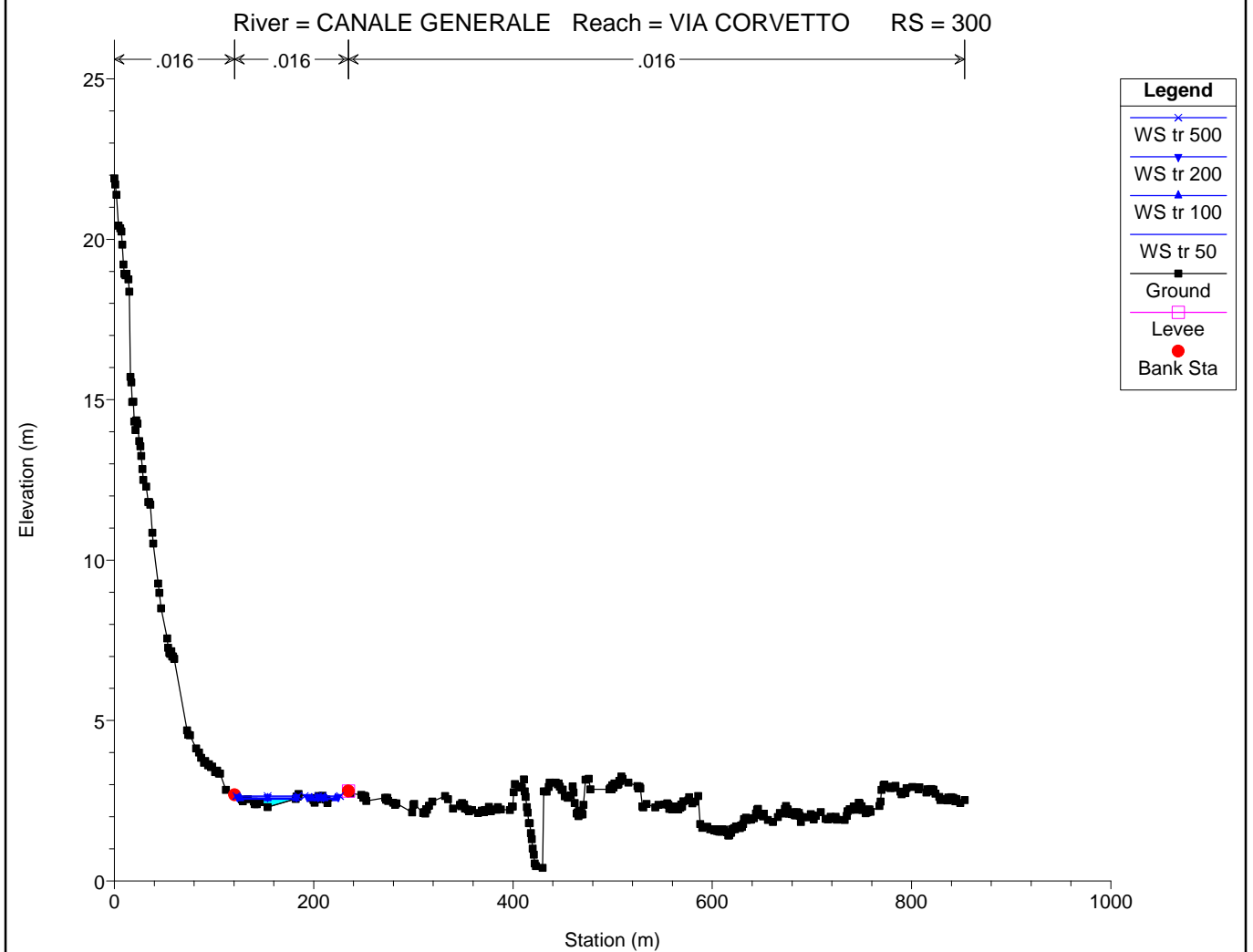
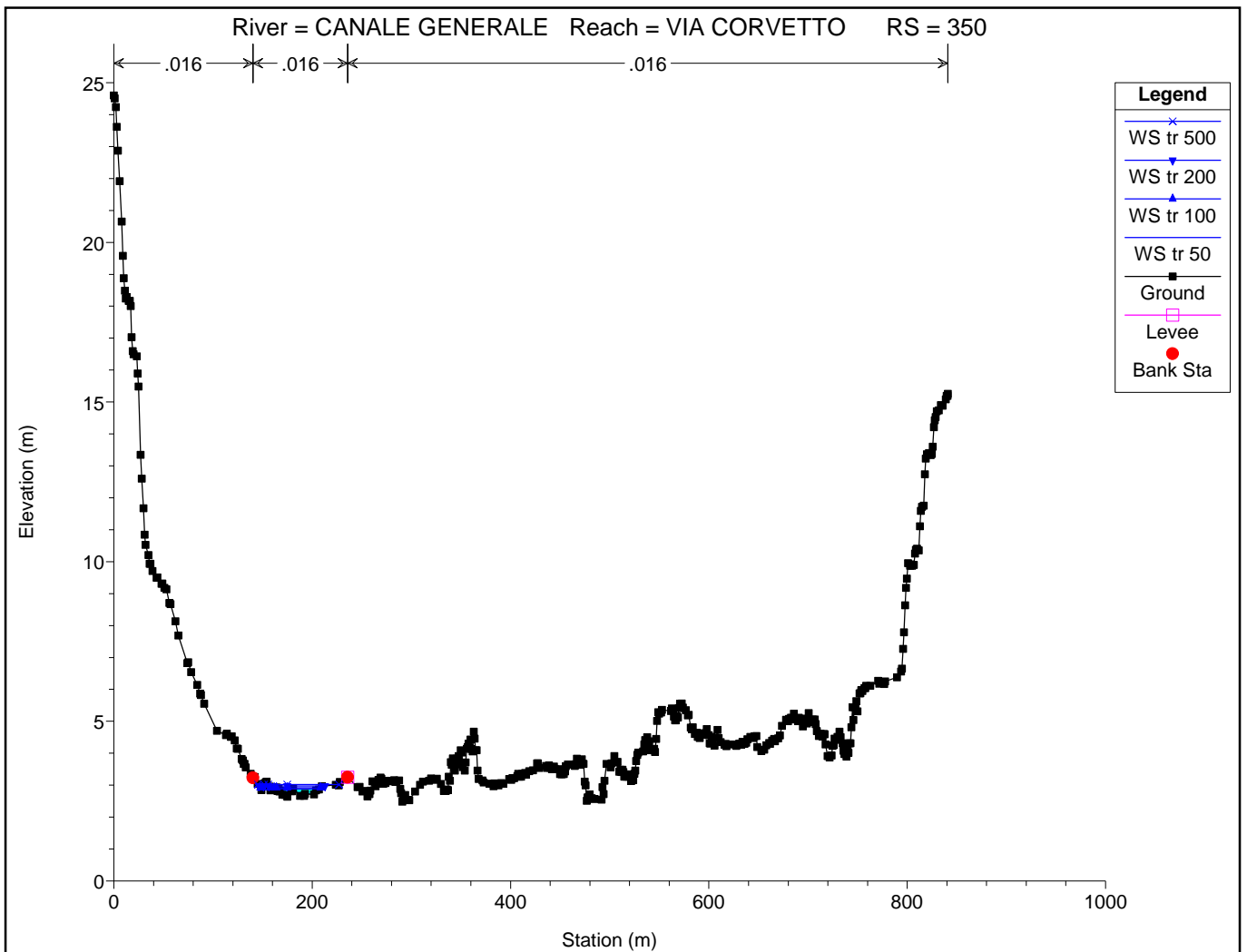
CANALE2 - DEL GENERALE

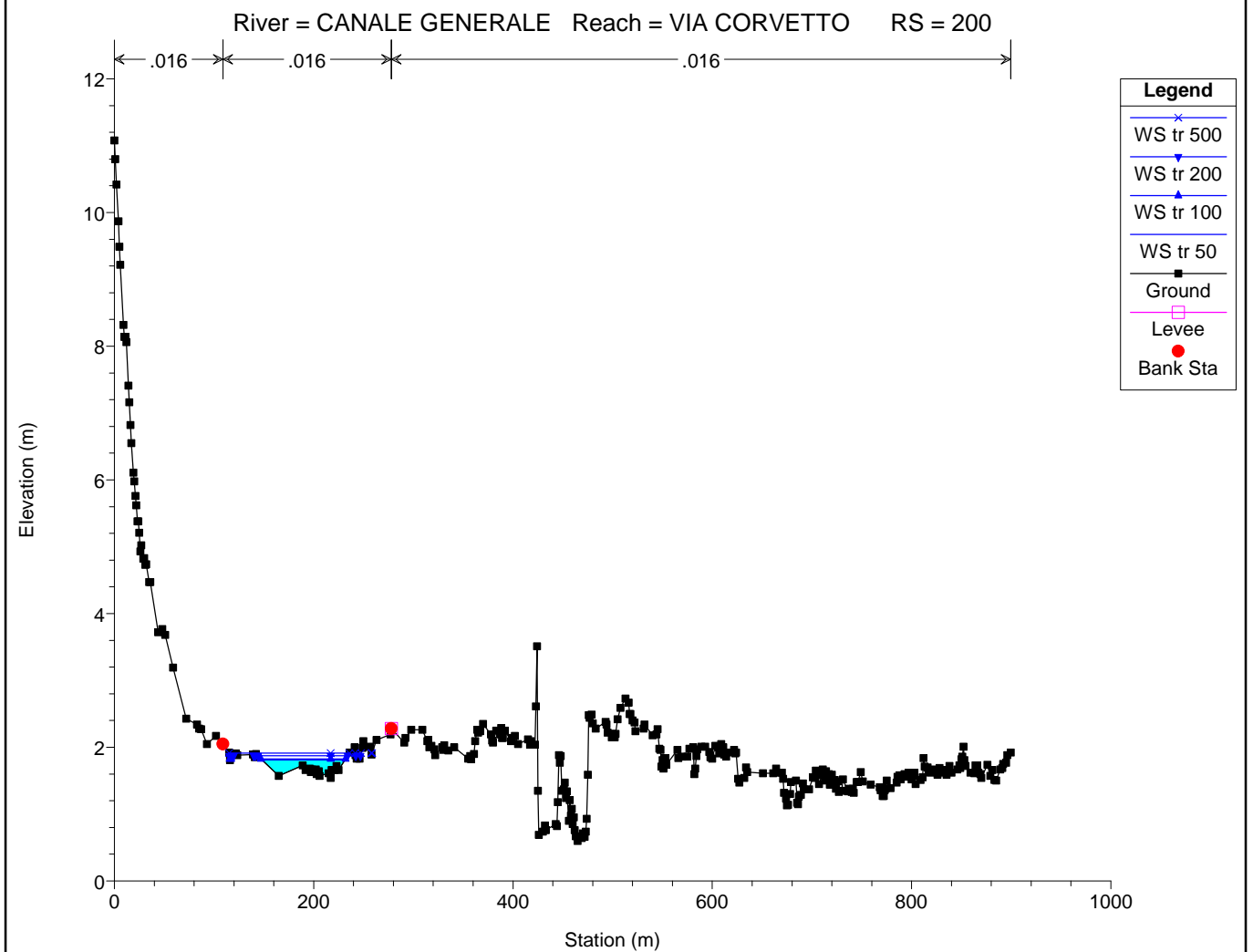
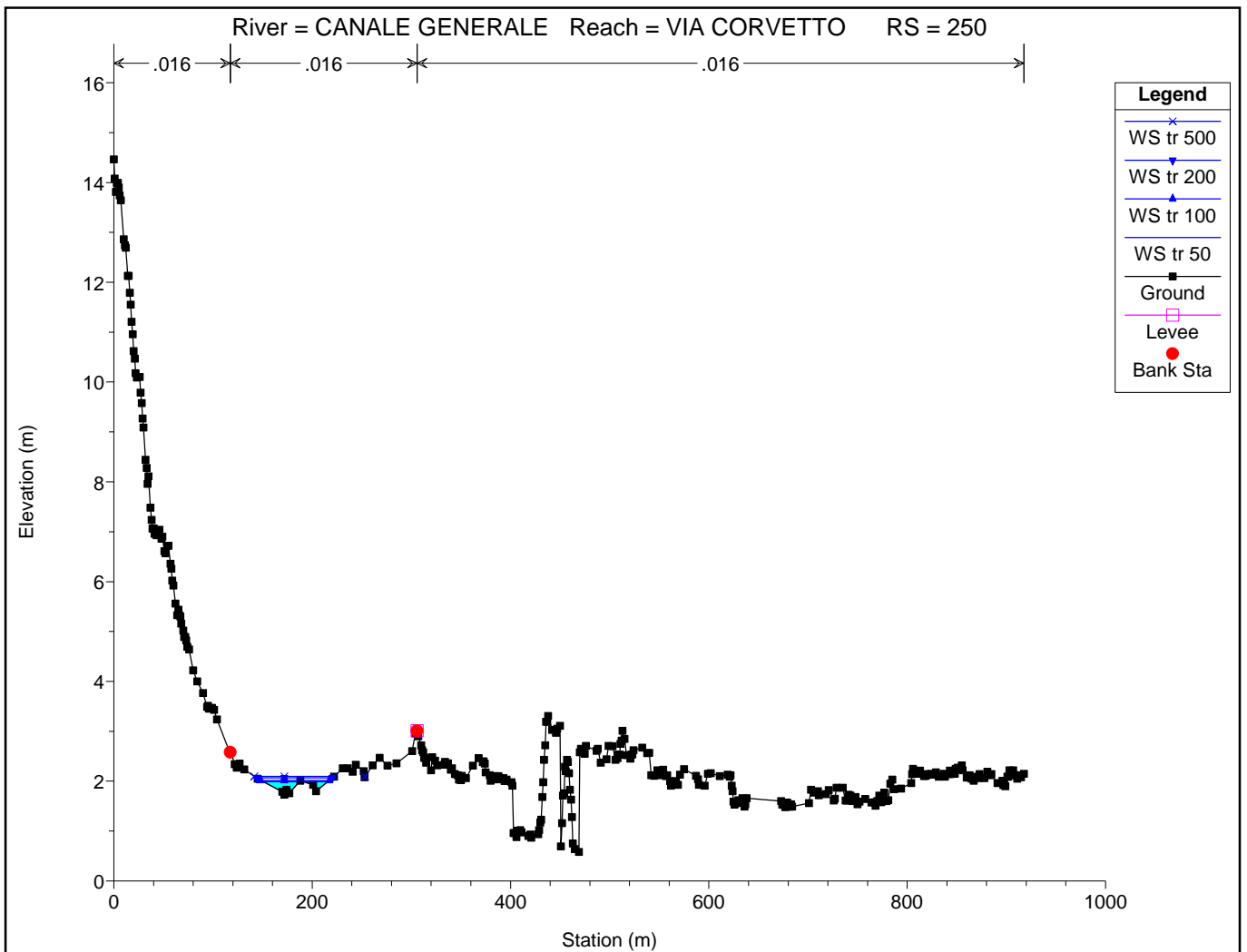
Sezioni trasversali e relativi livelli di piena



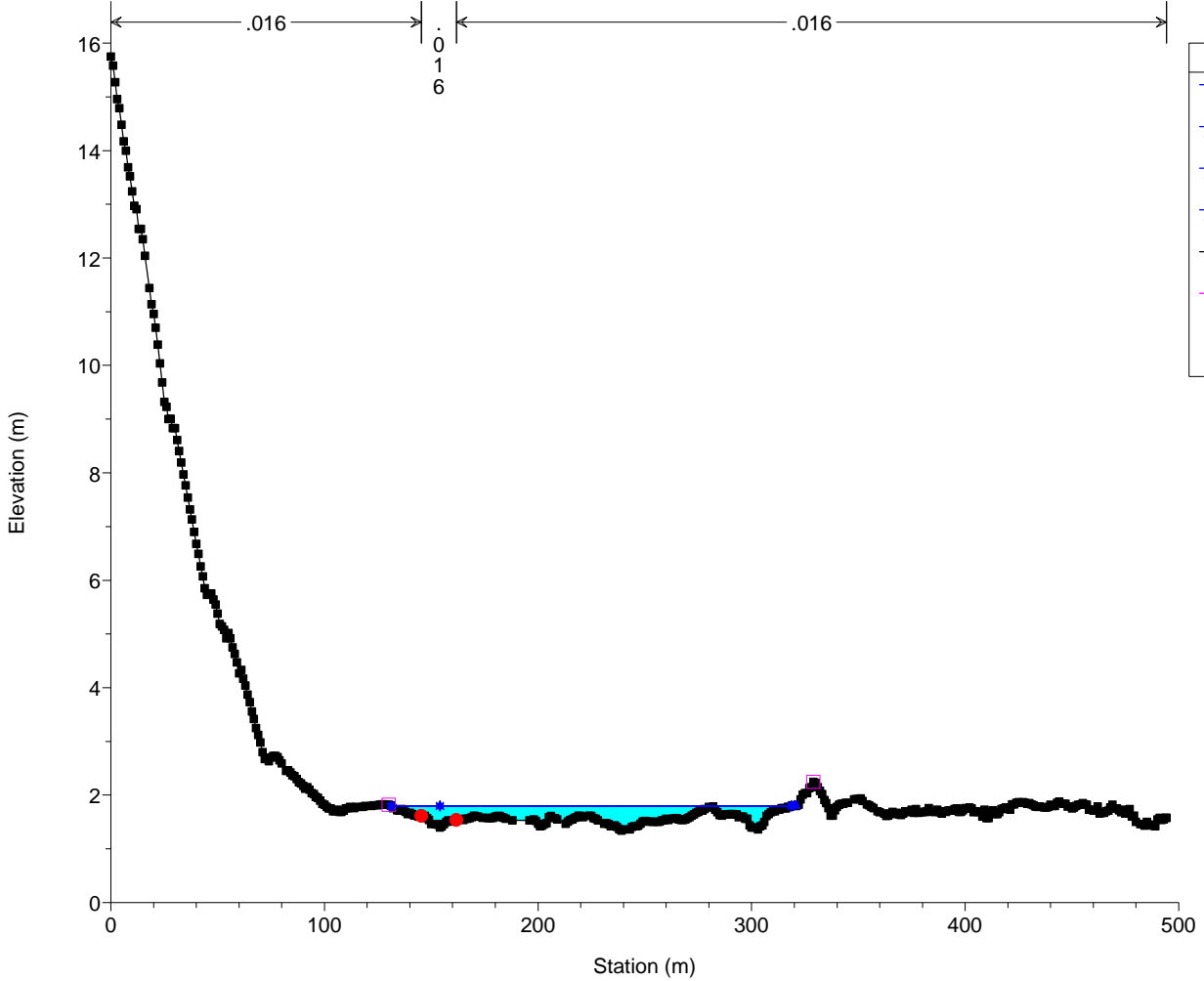




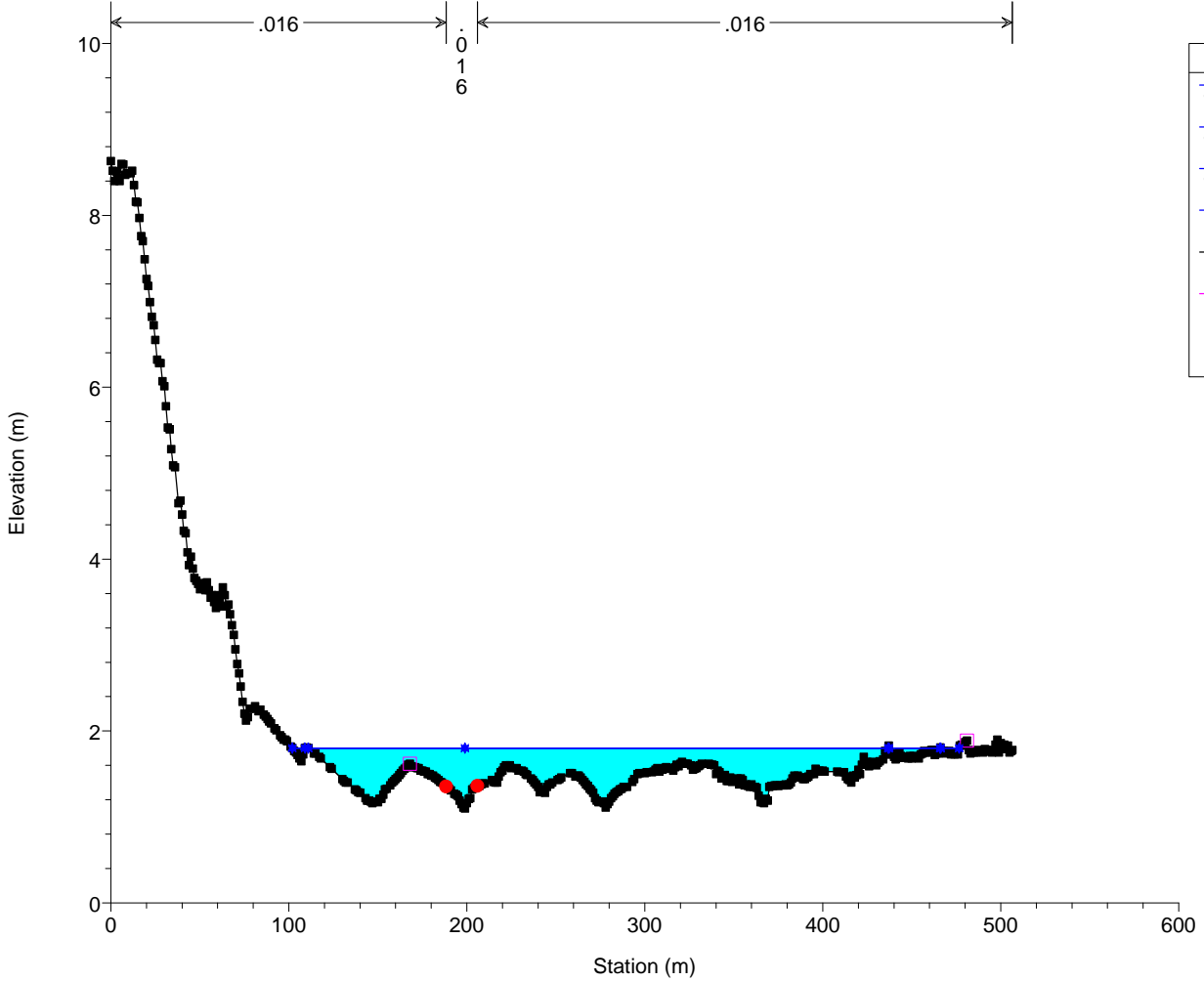


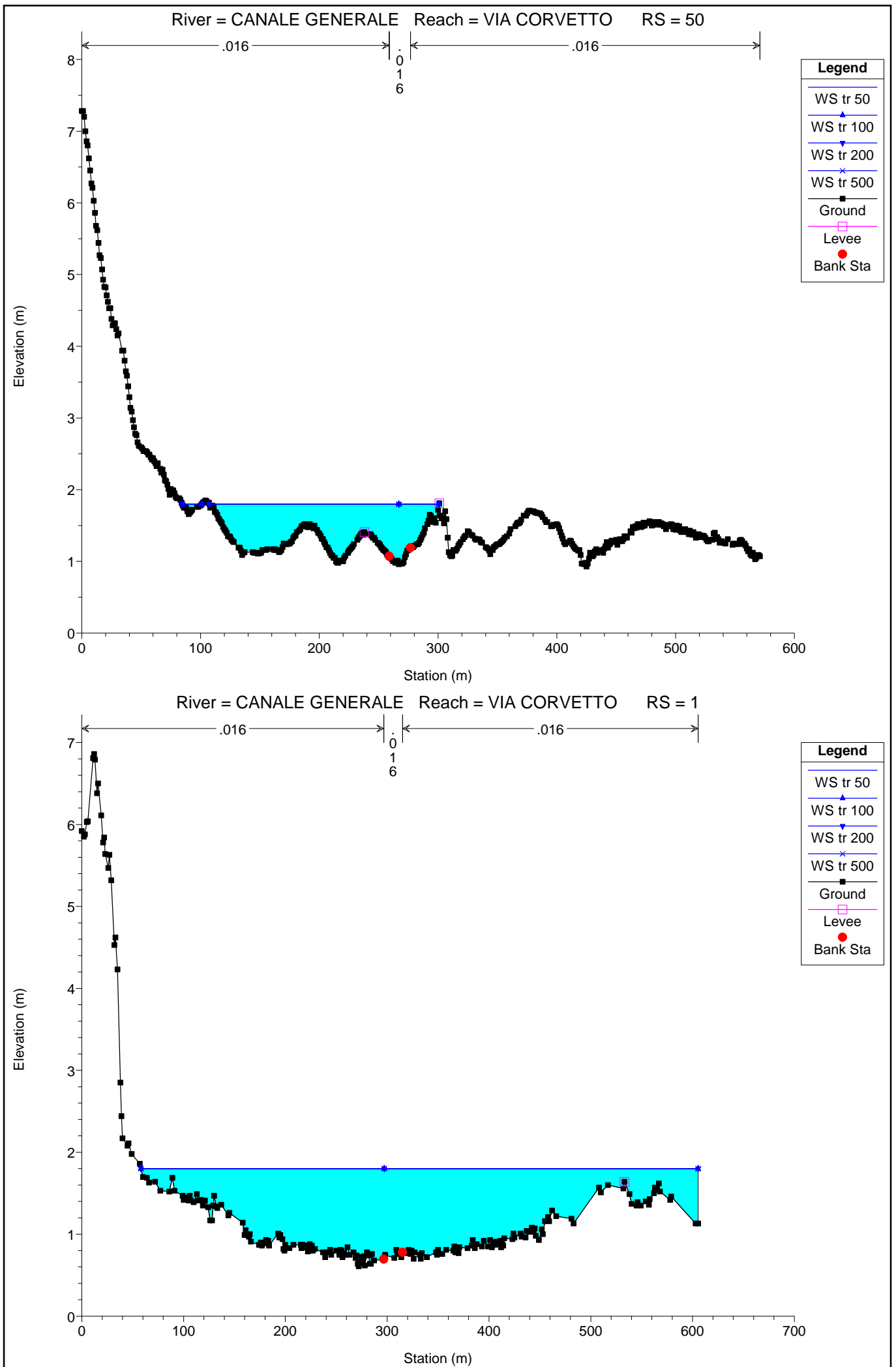


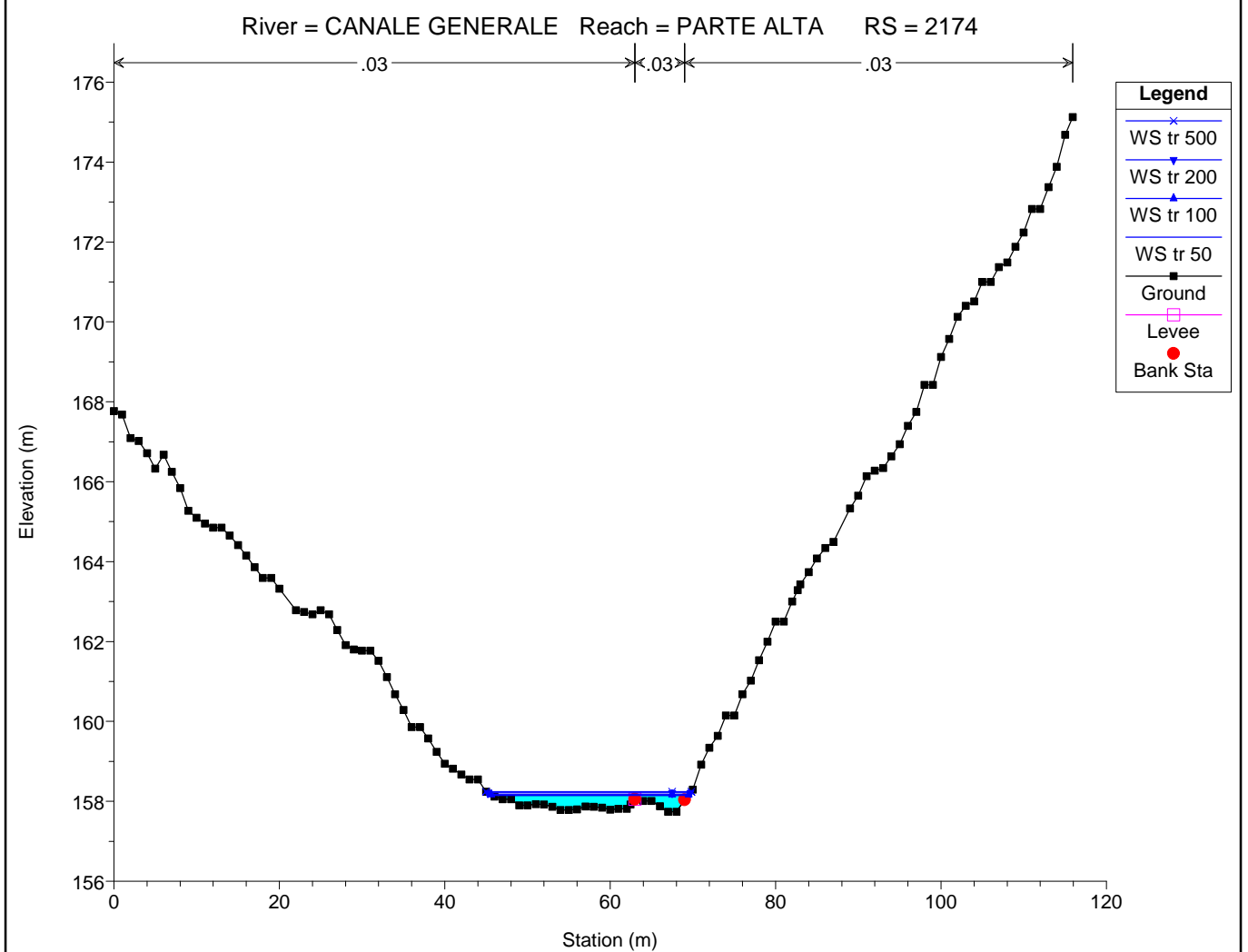
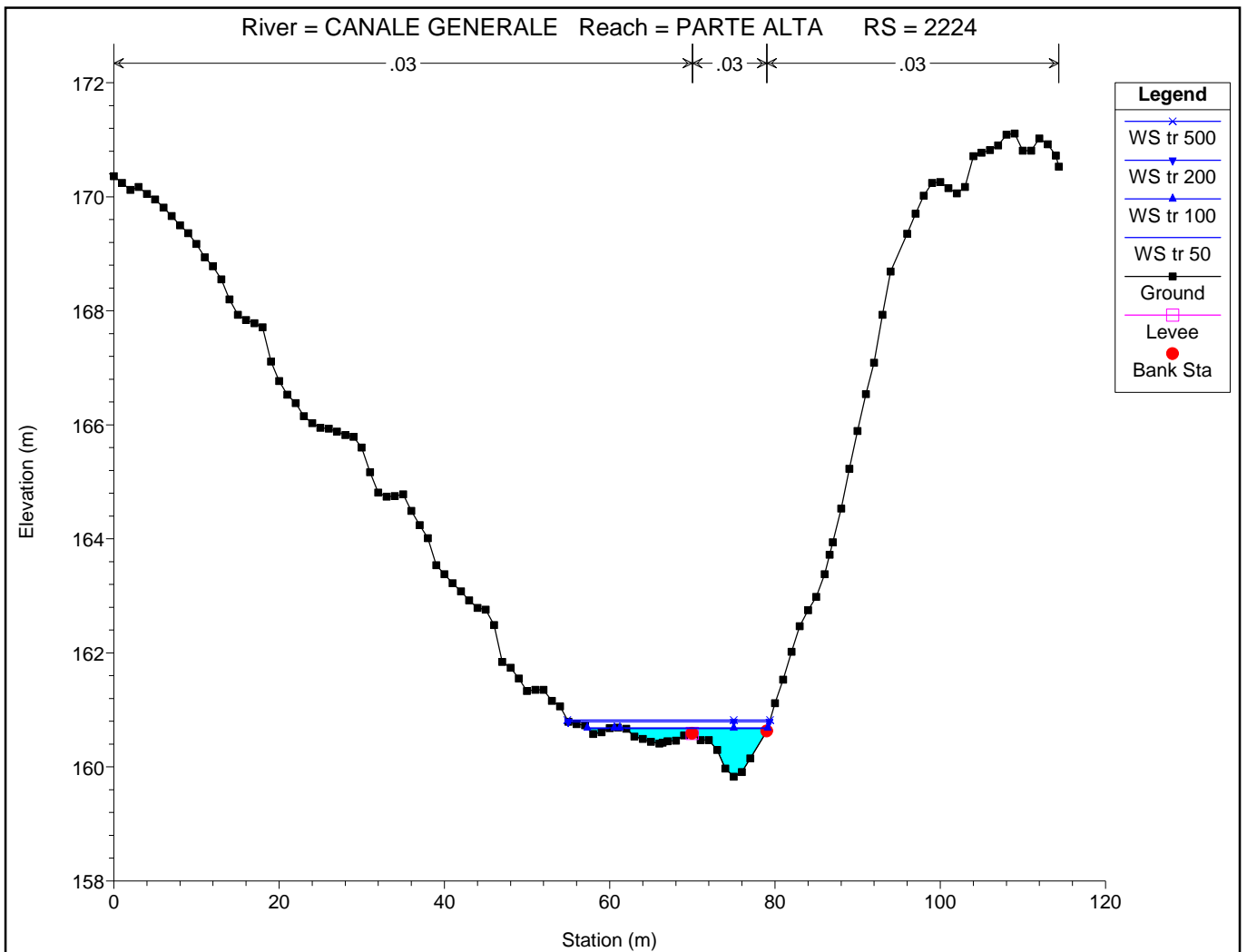
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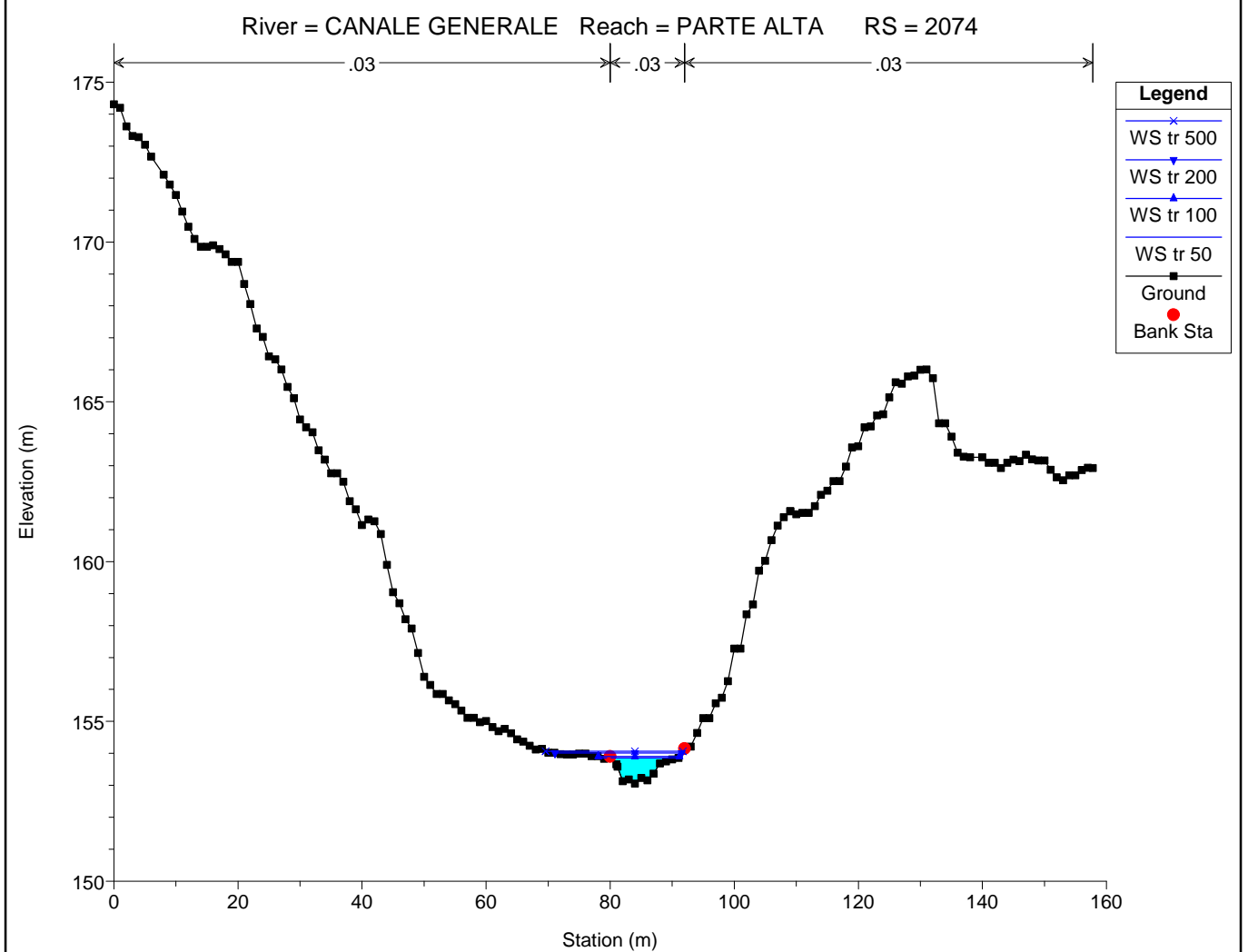
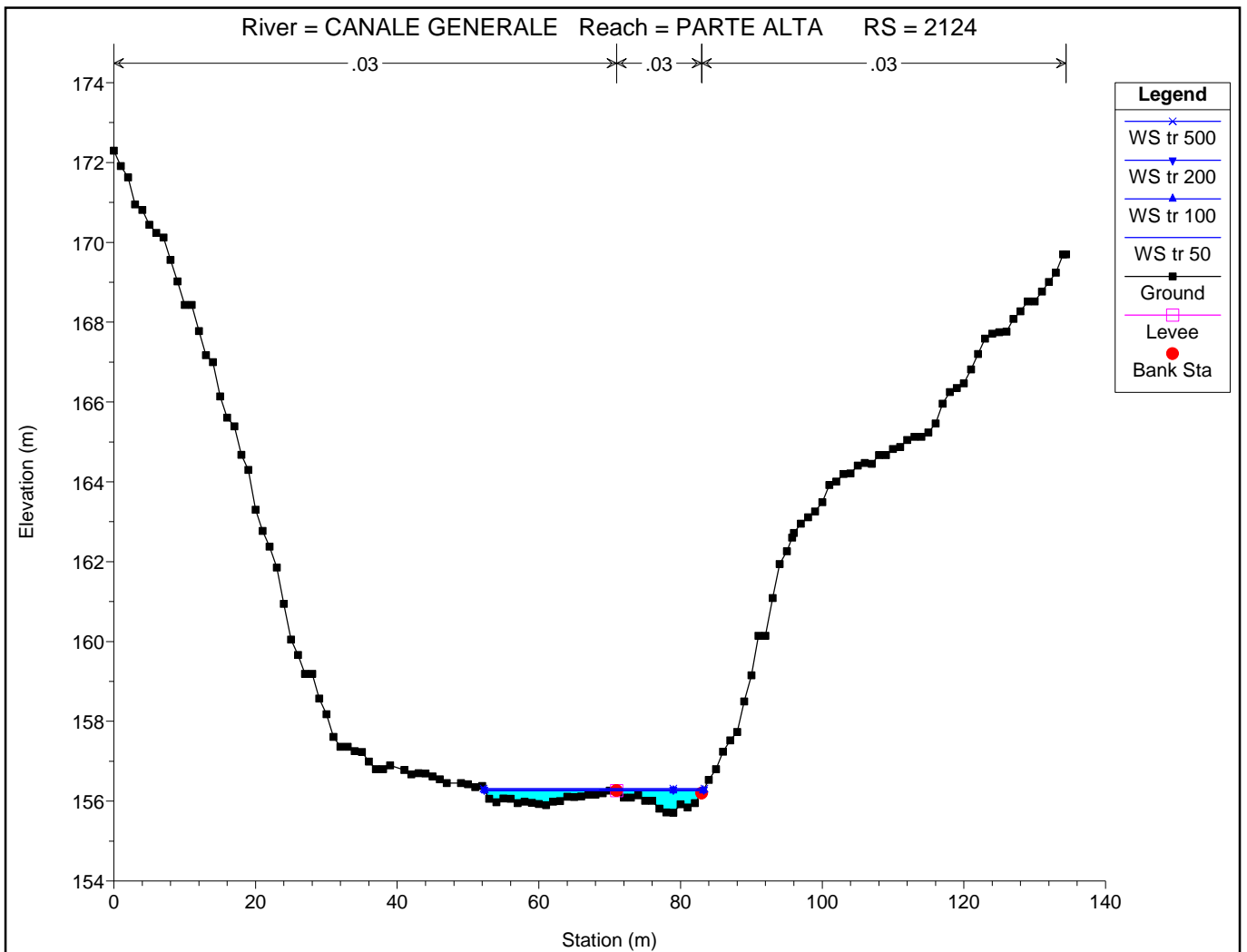


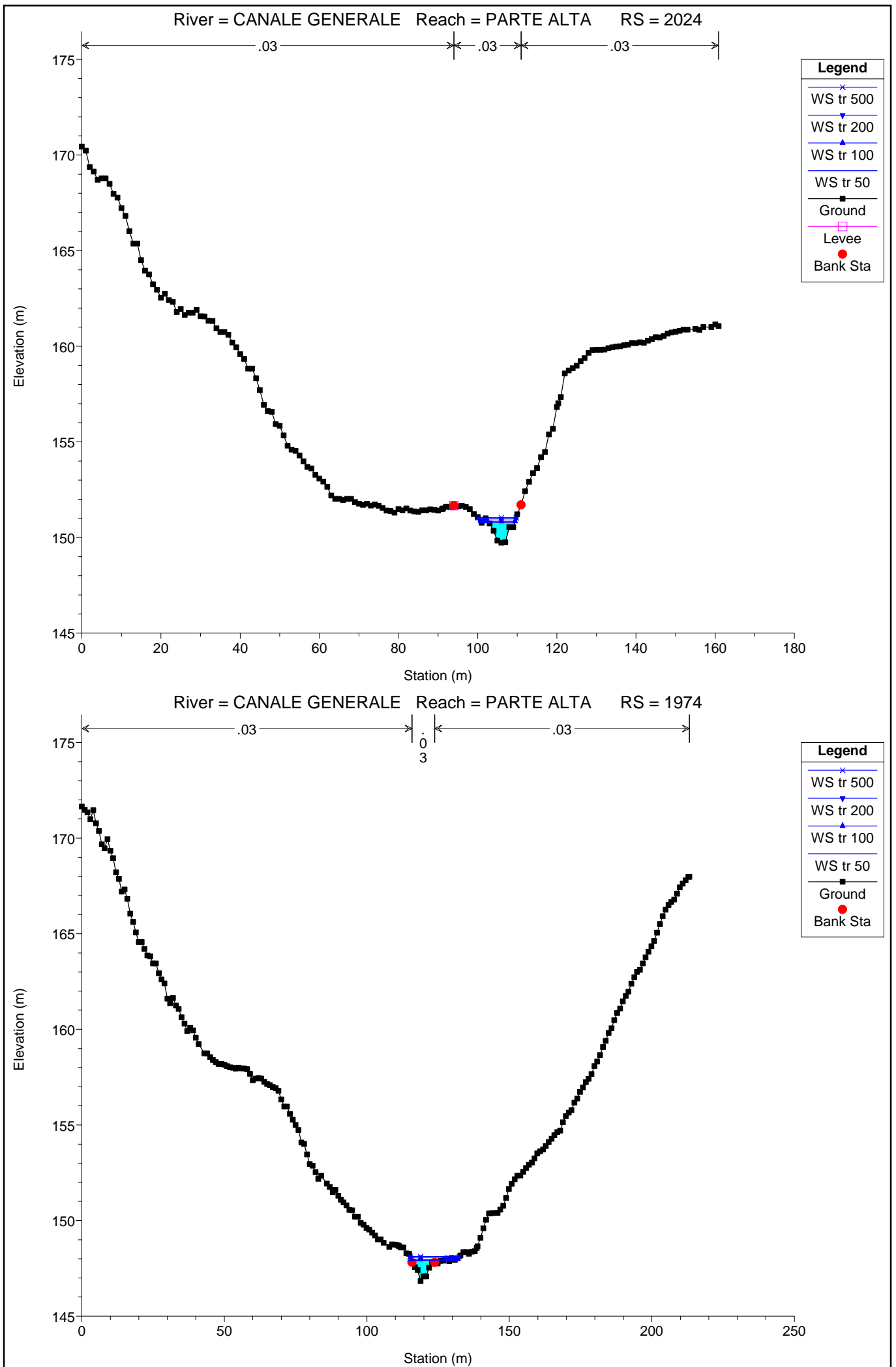
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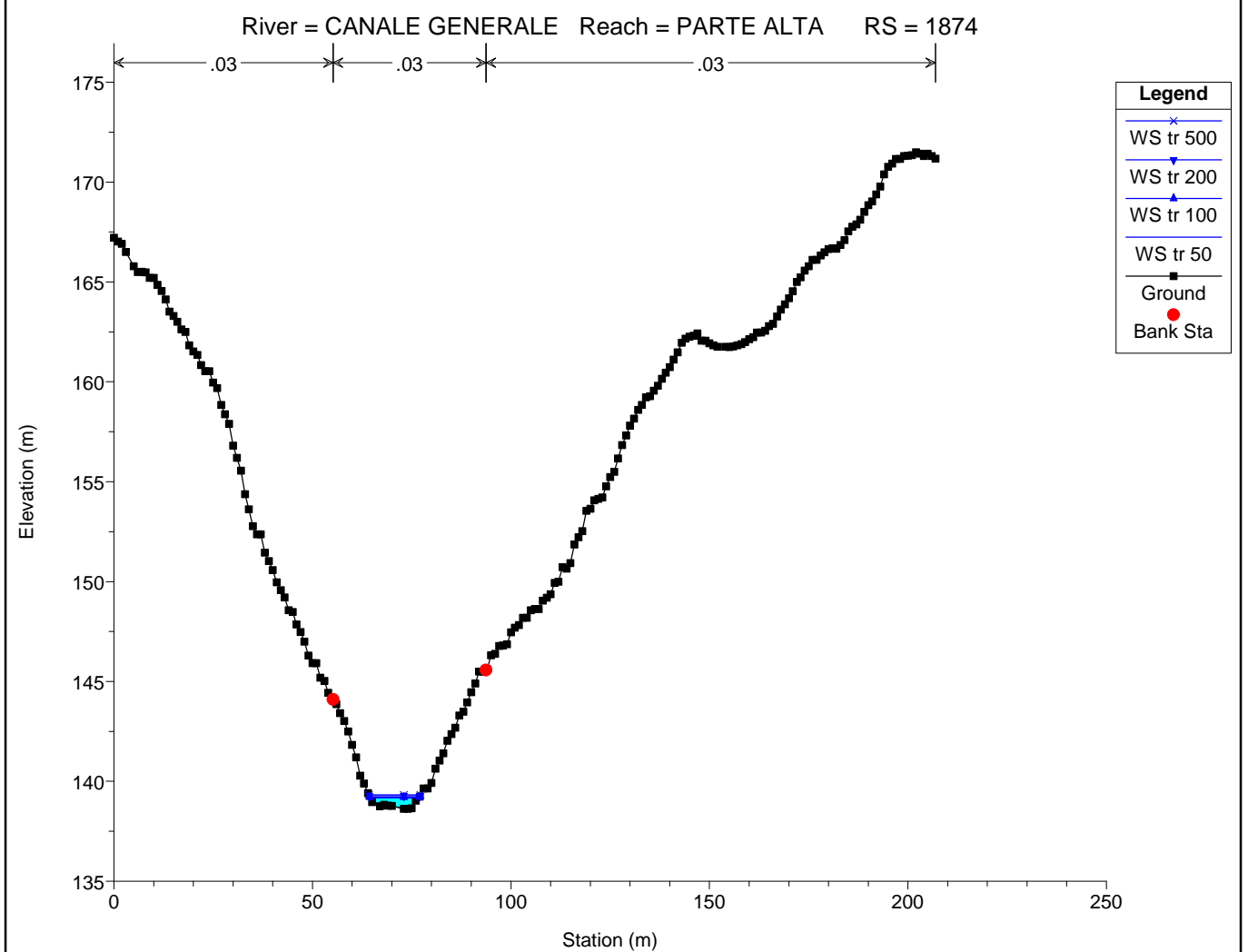
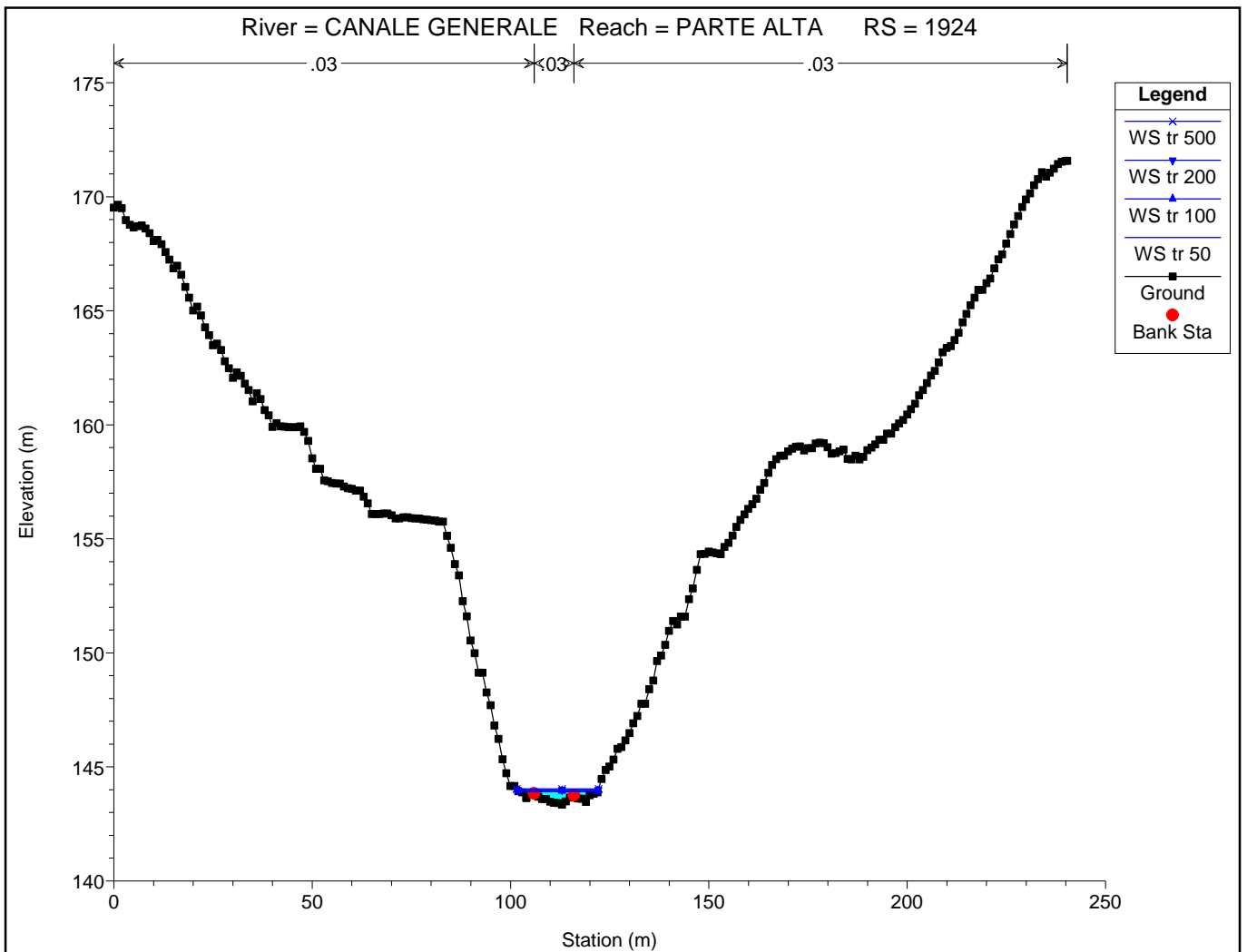


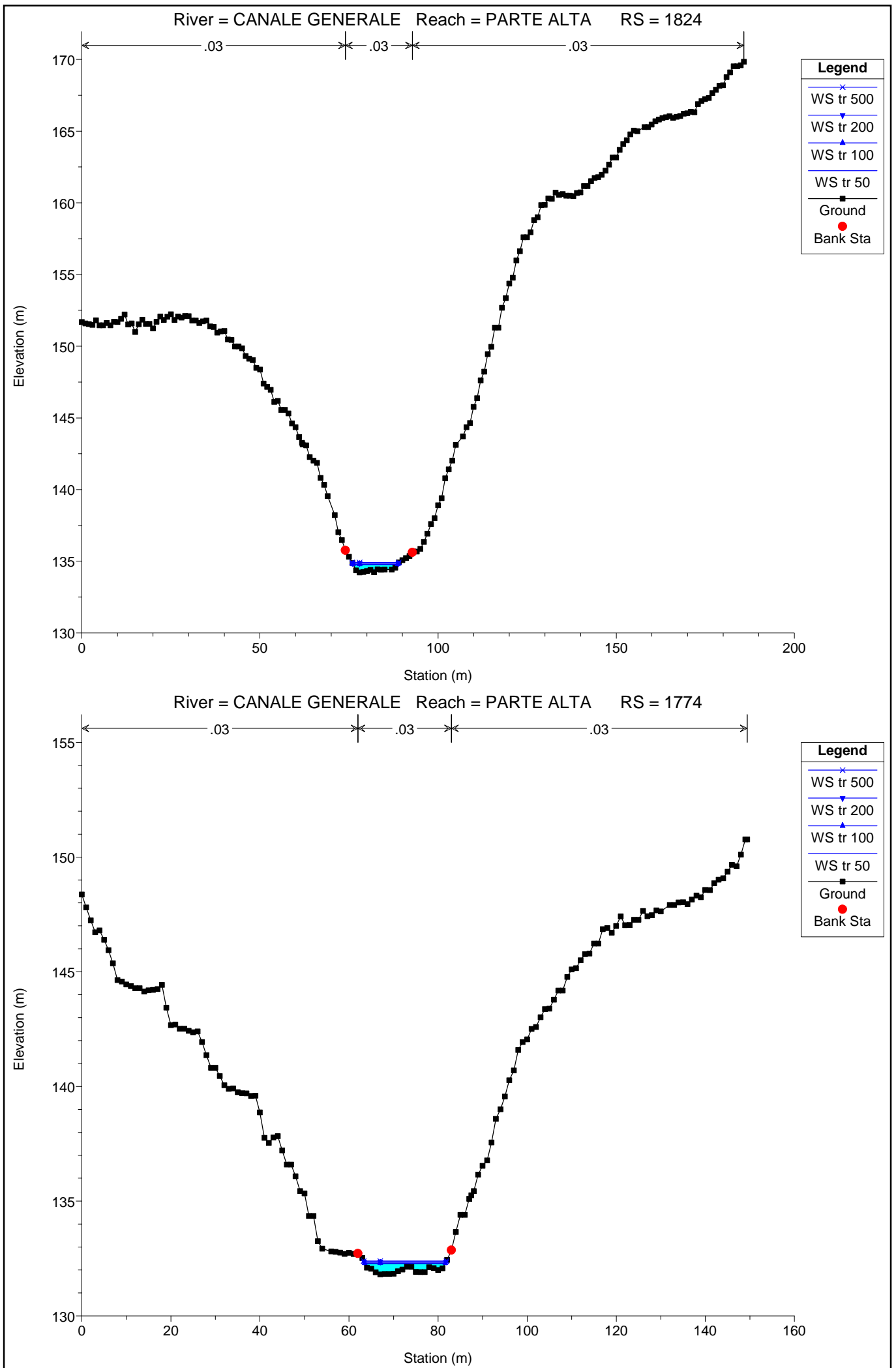


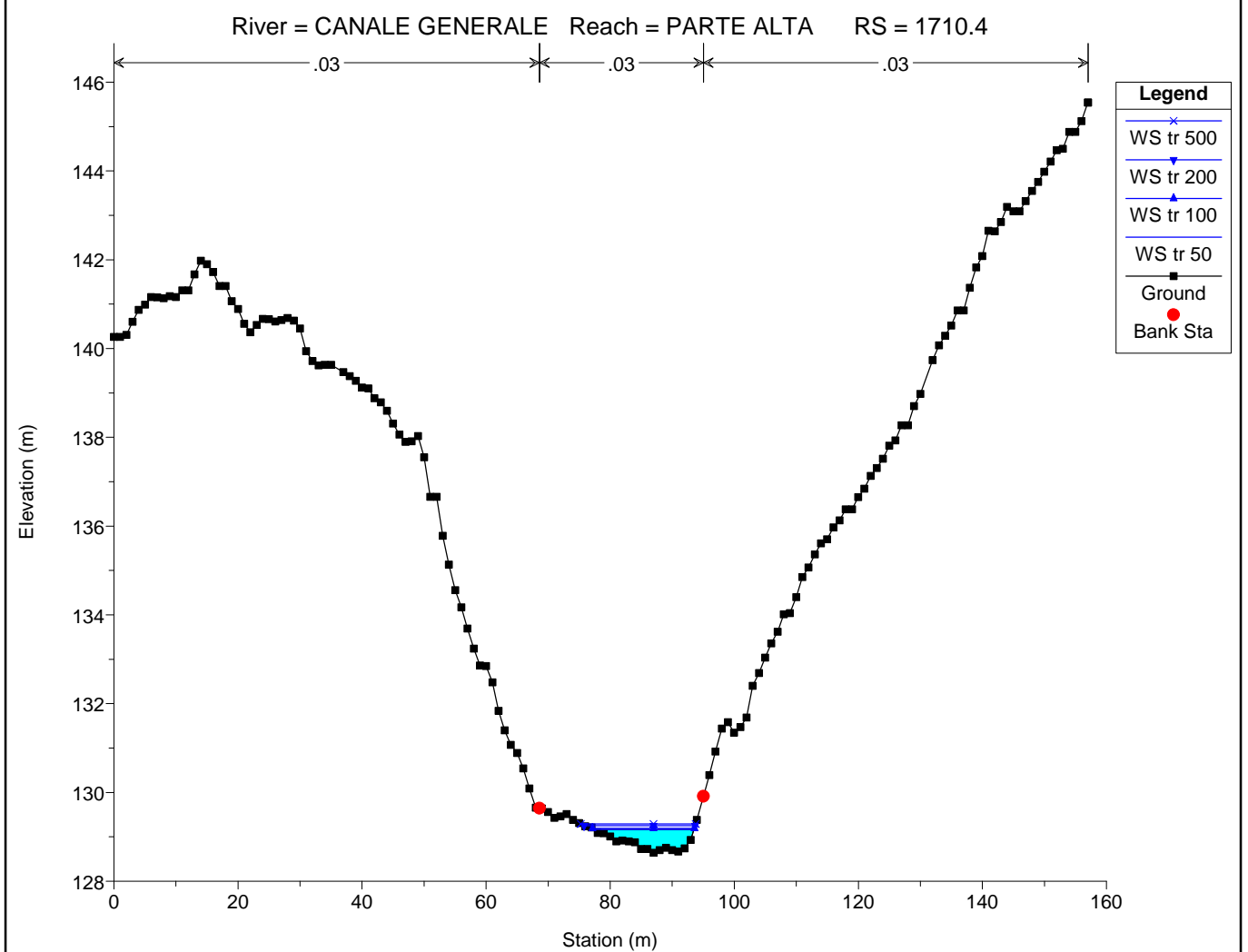
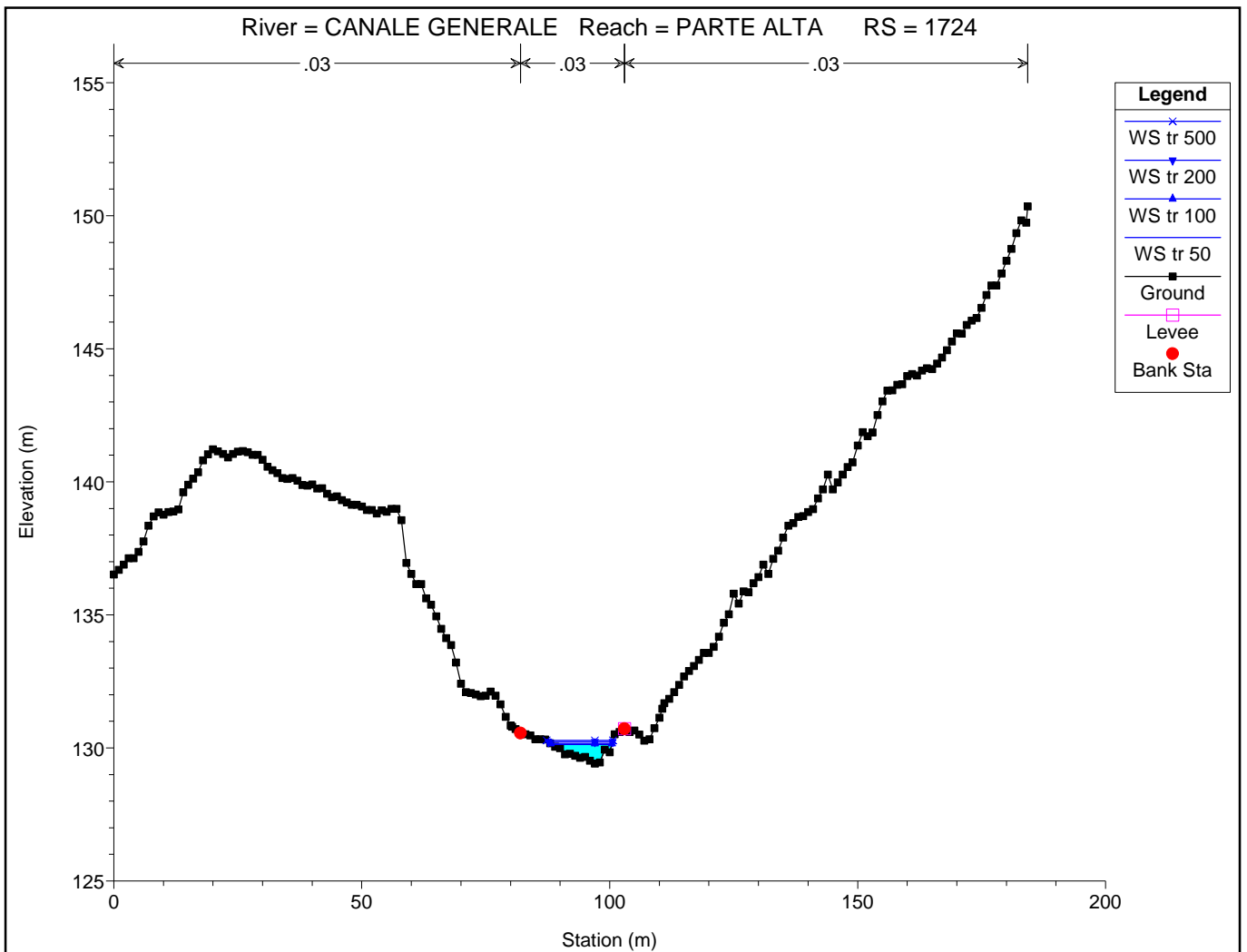


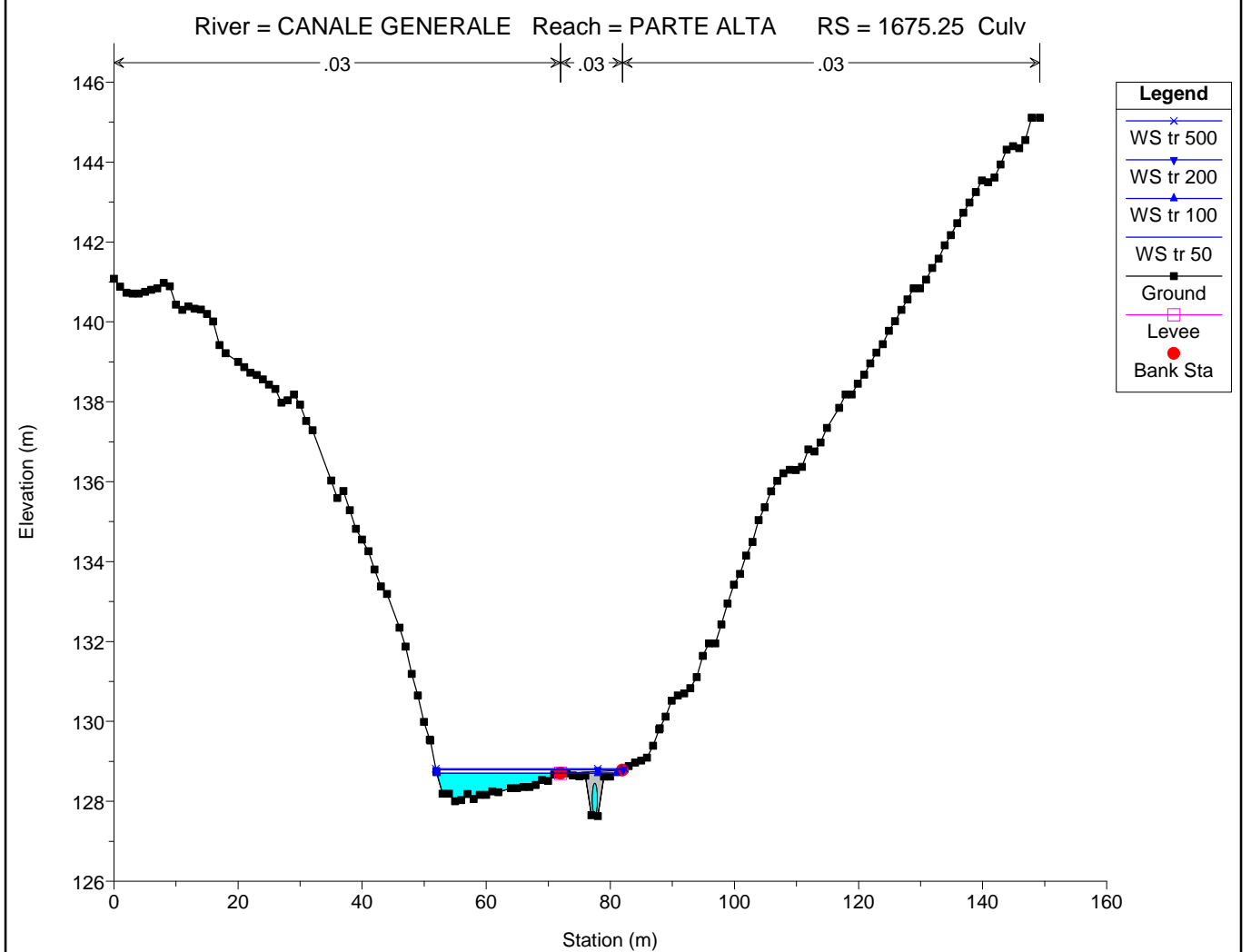
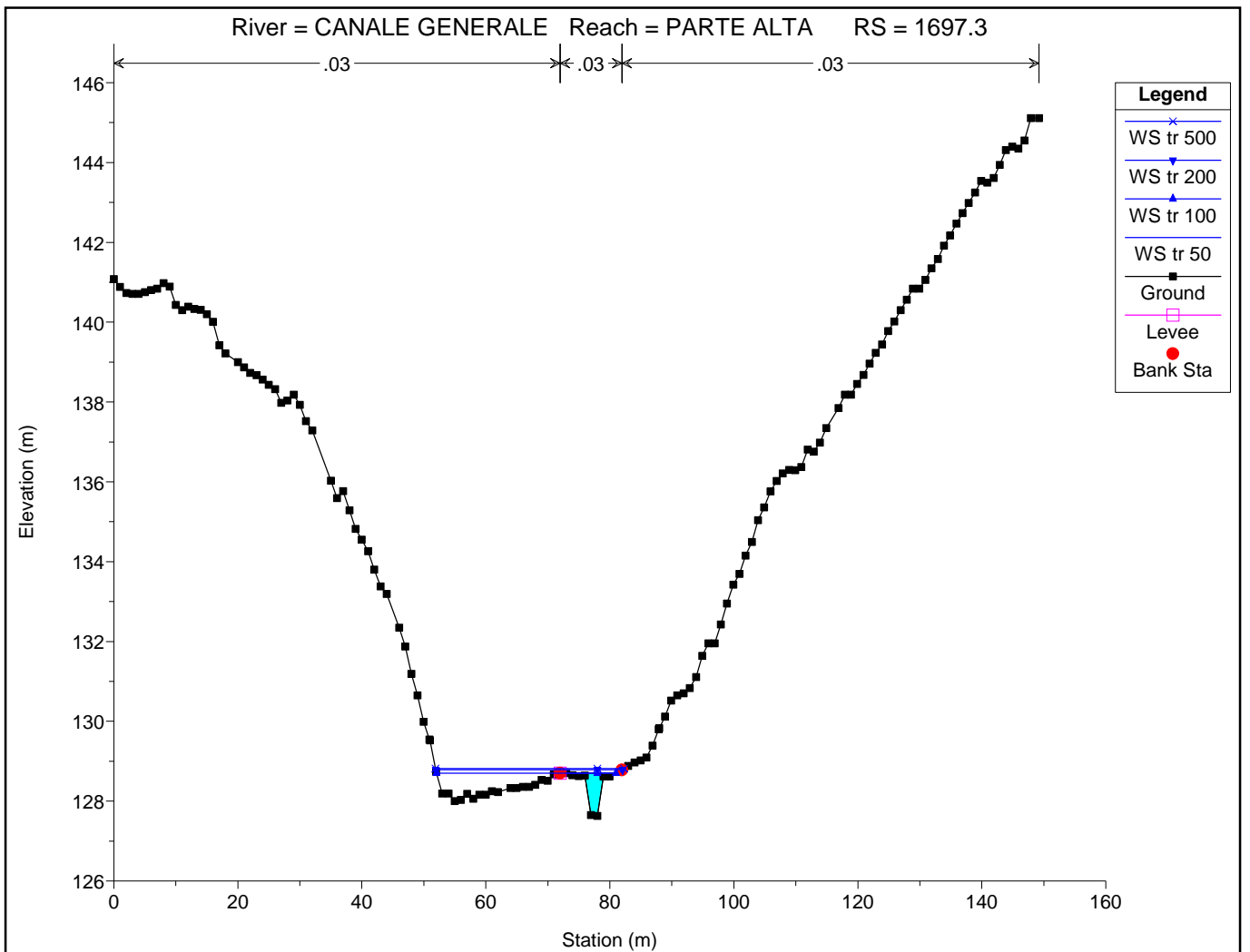


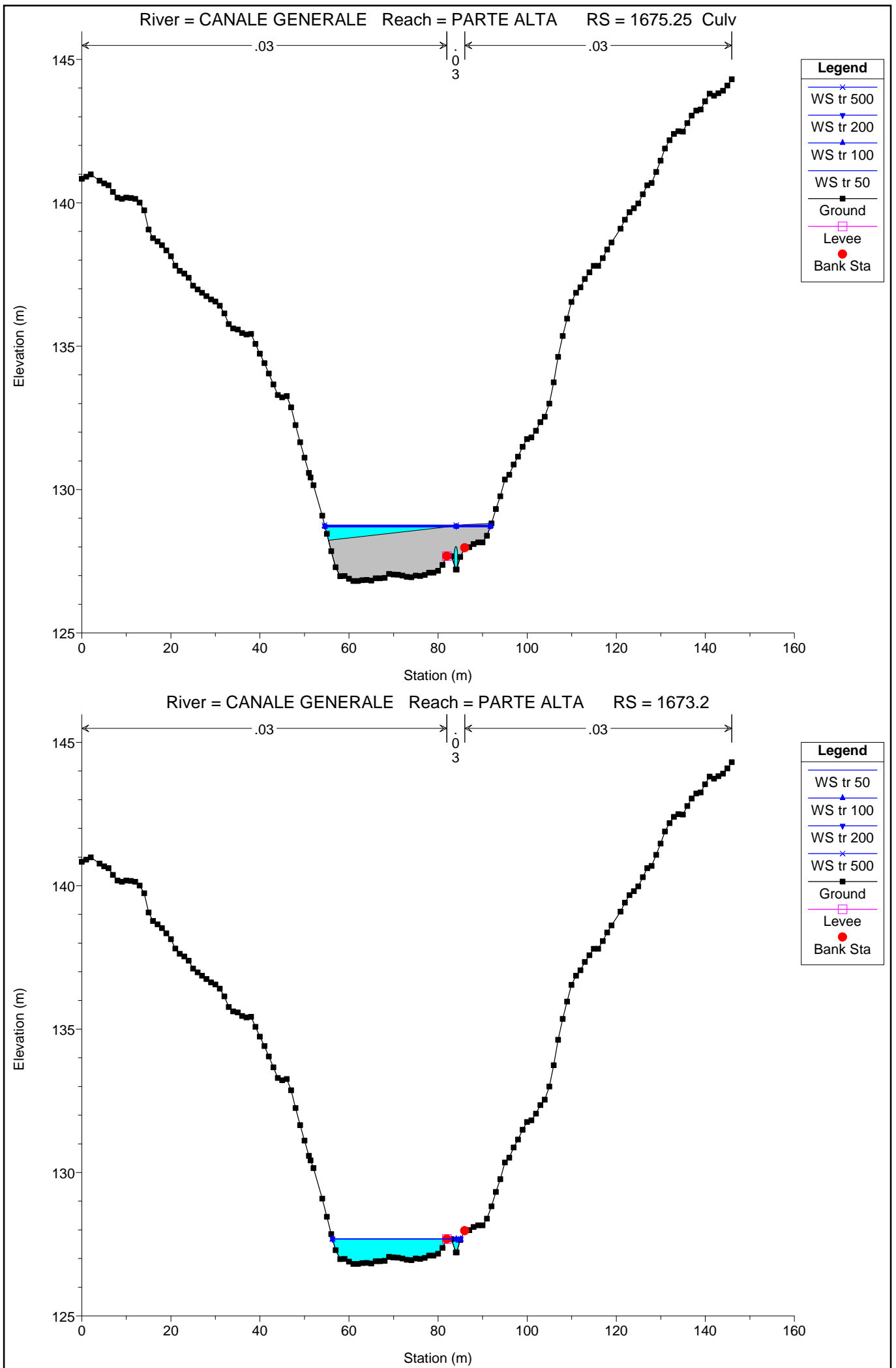


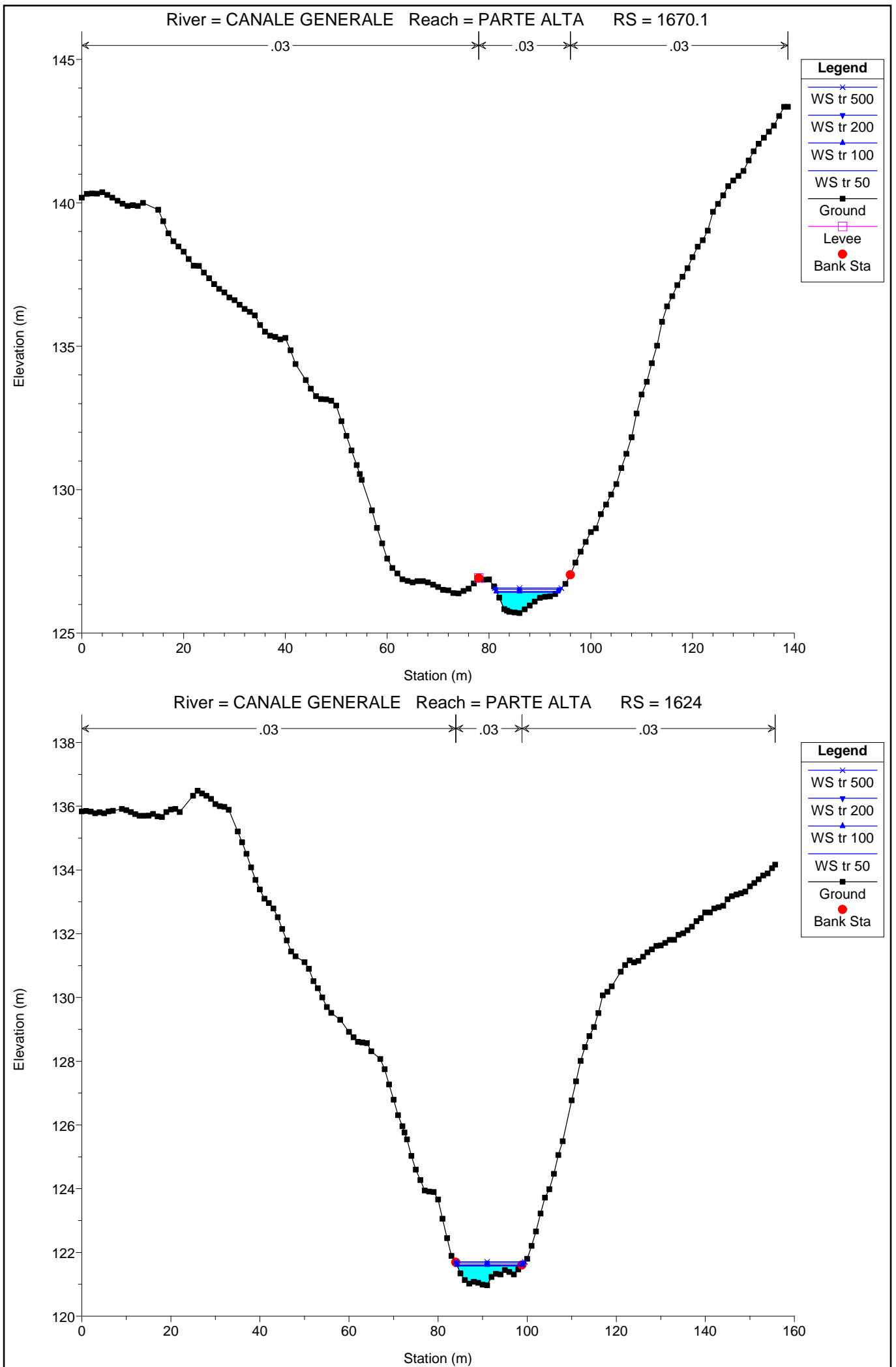


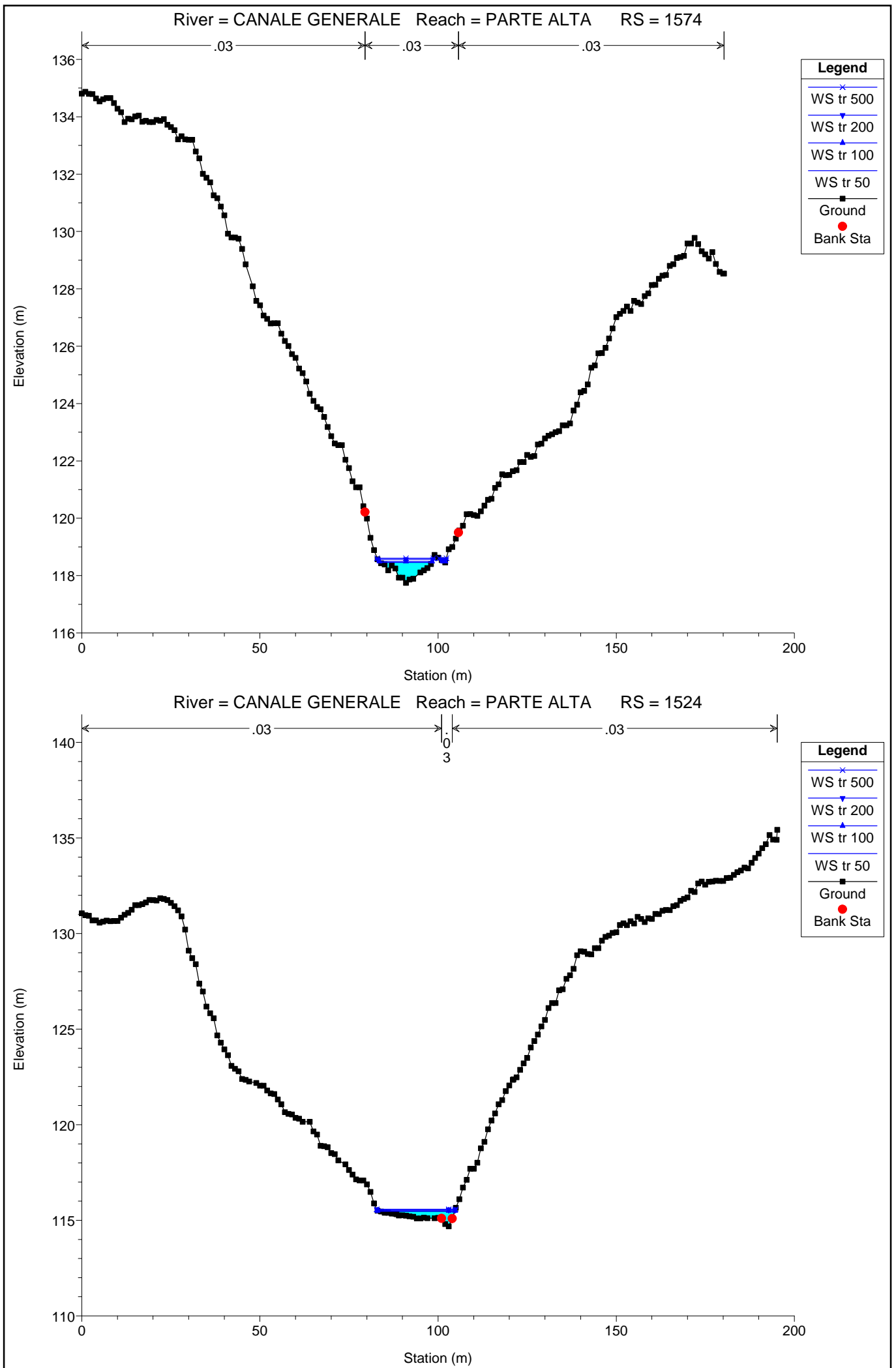


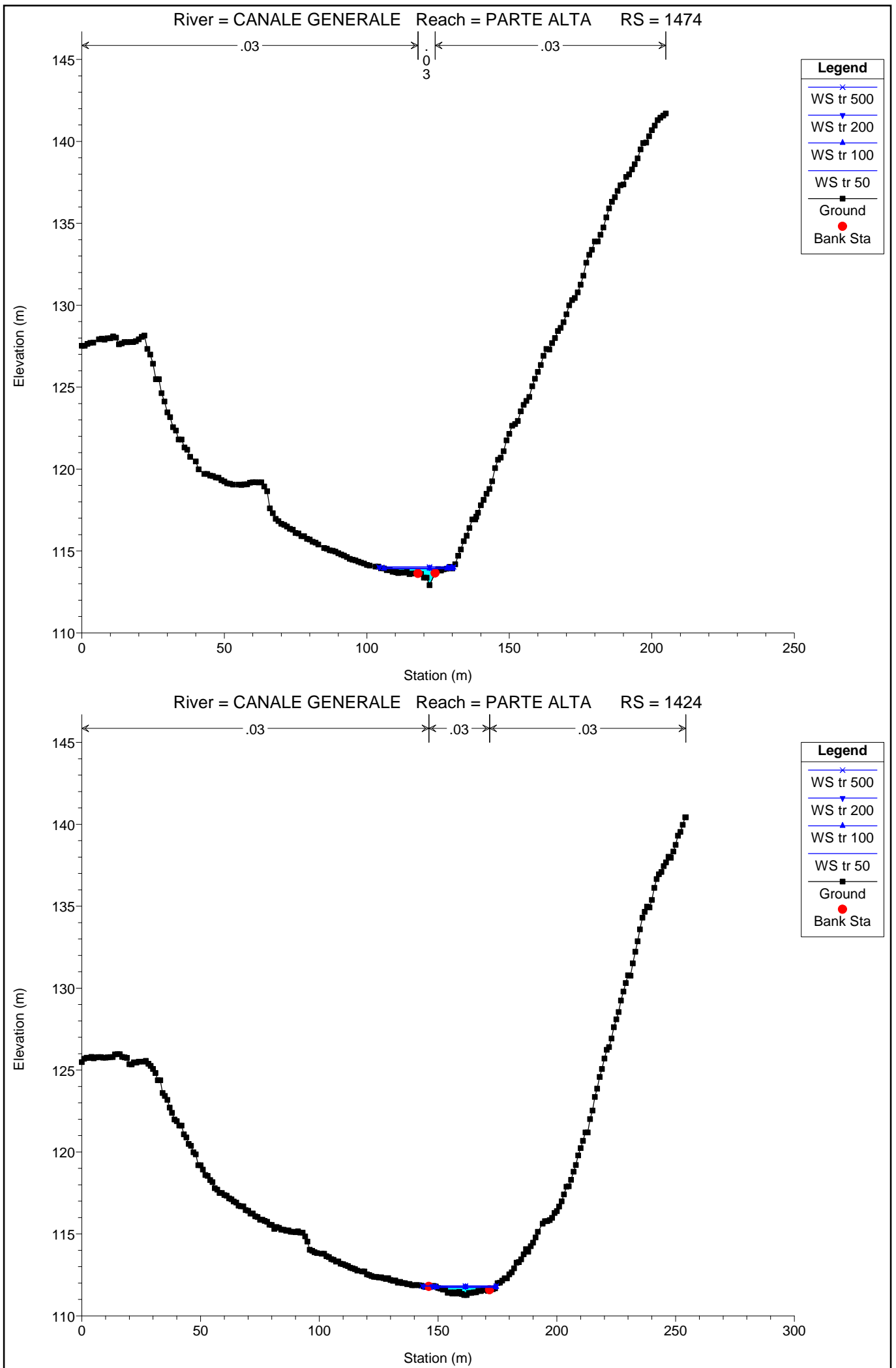


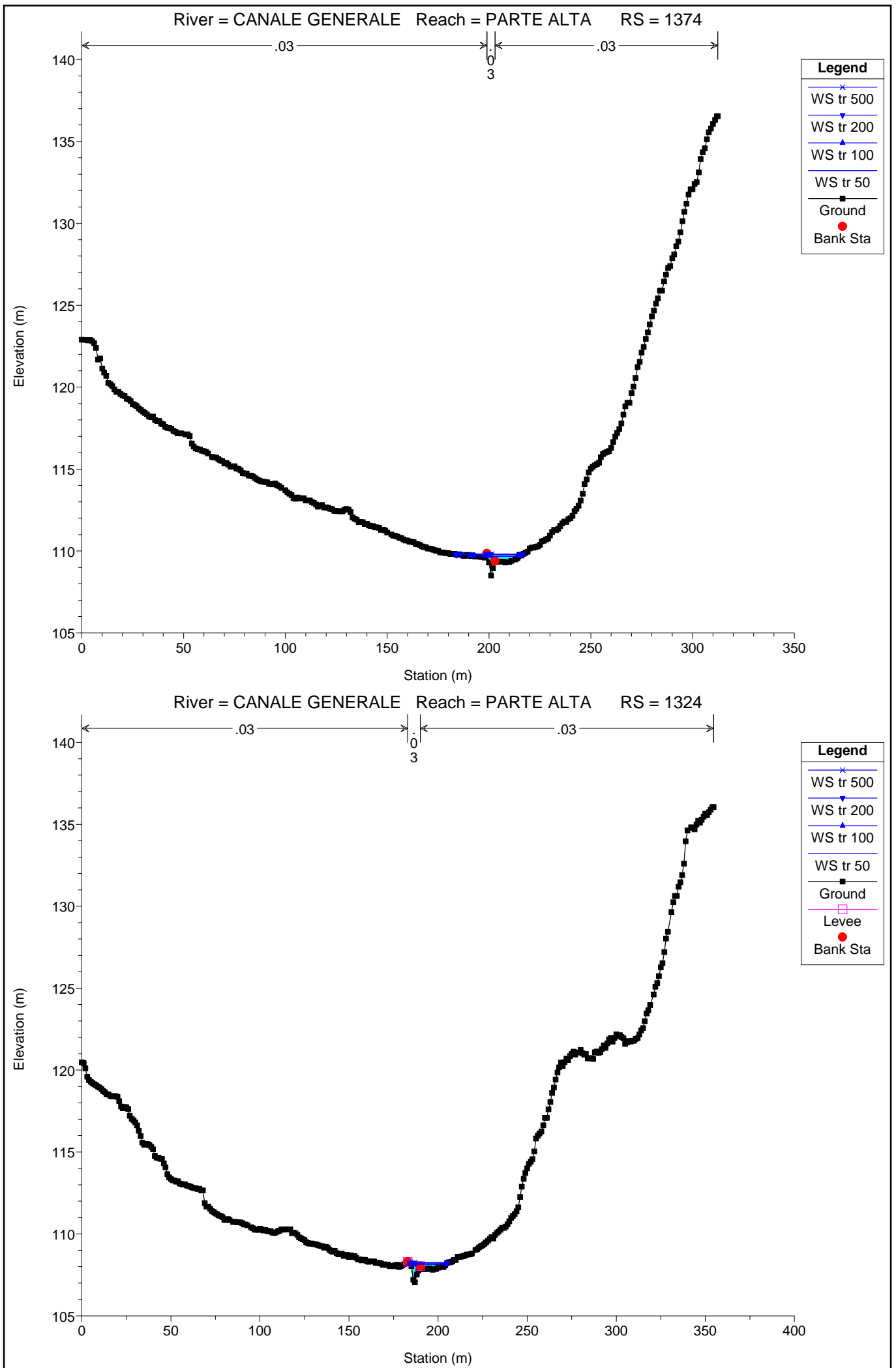


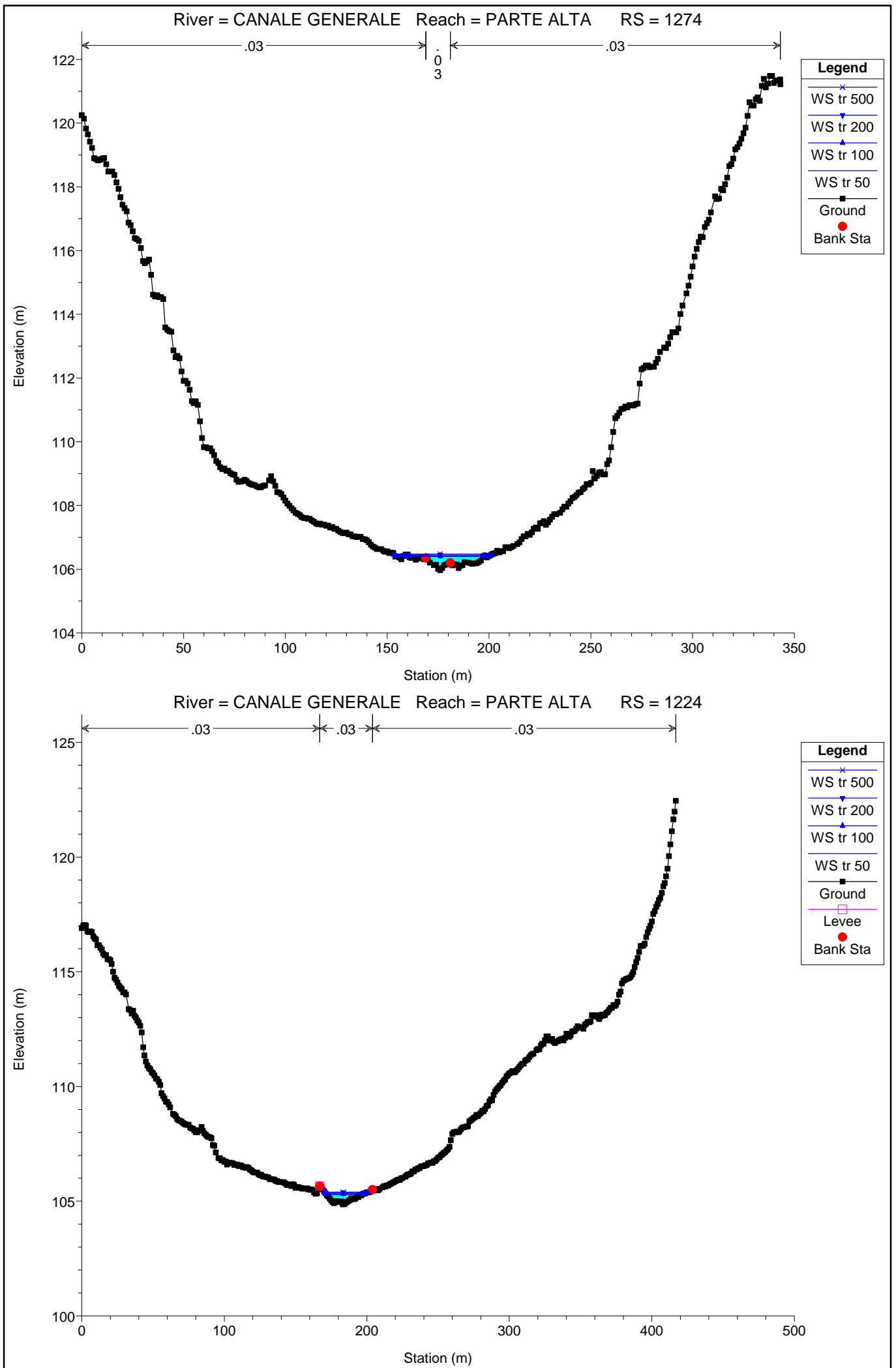


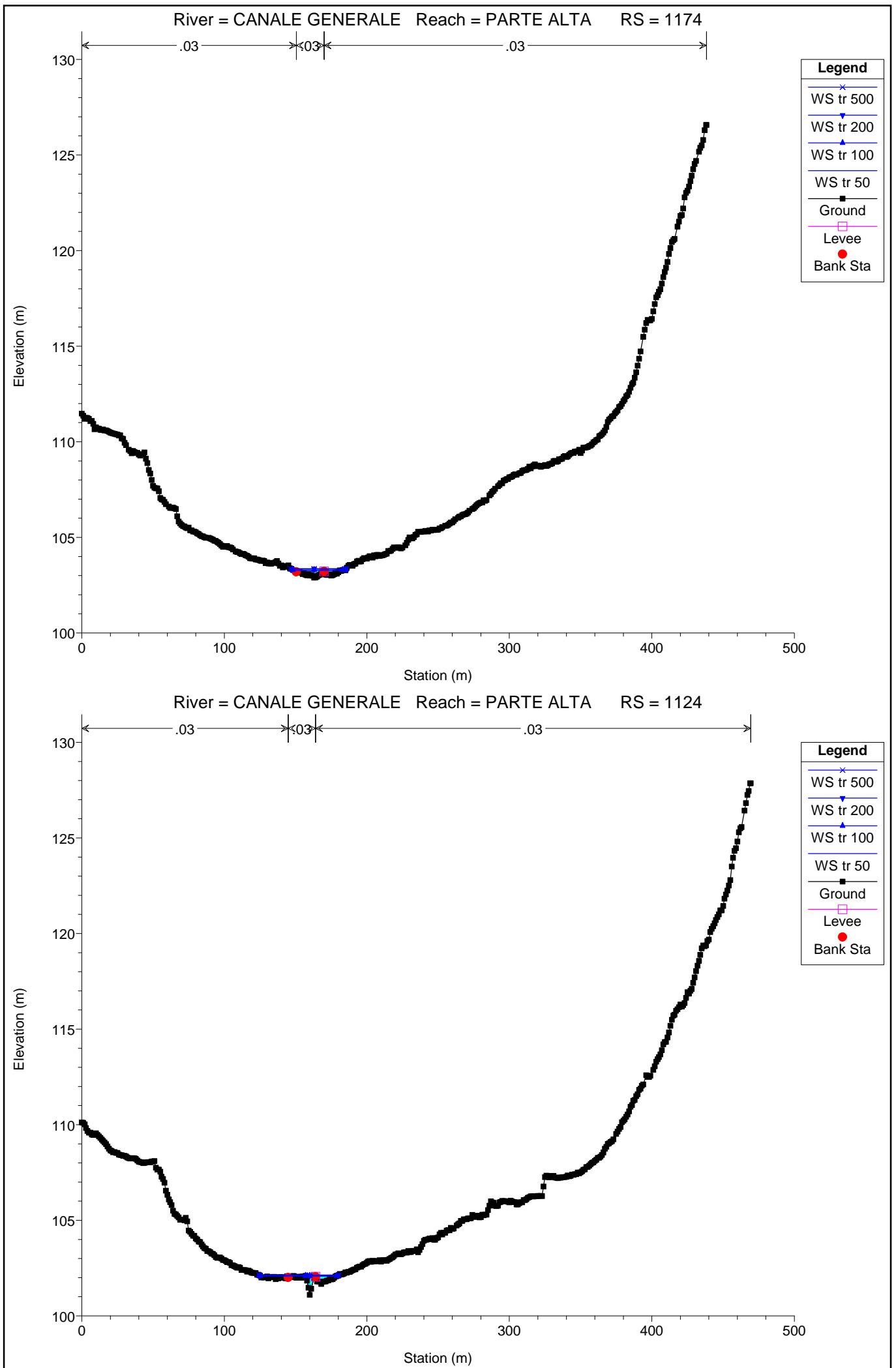


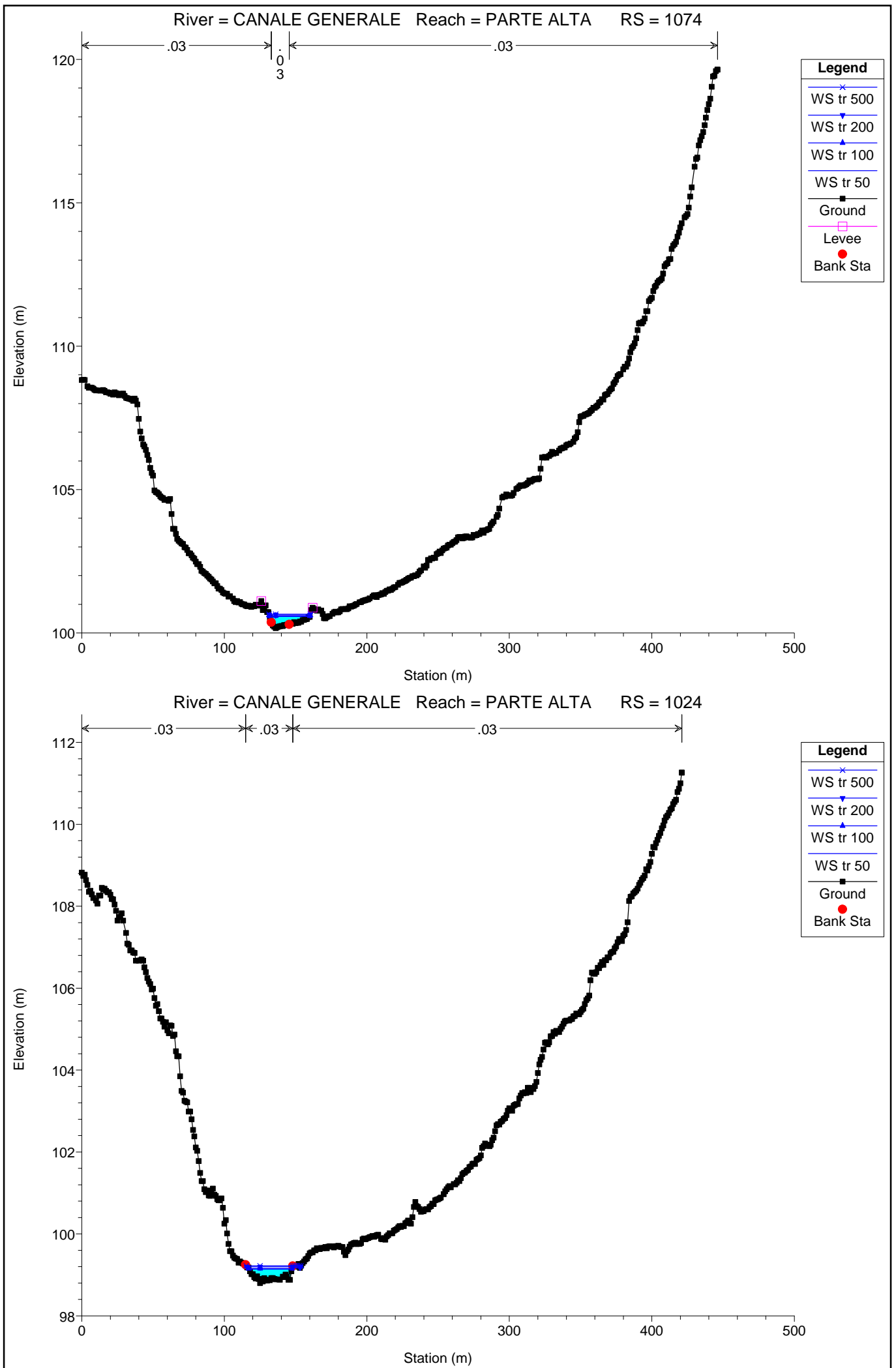


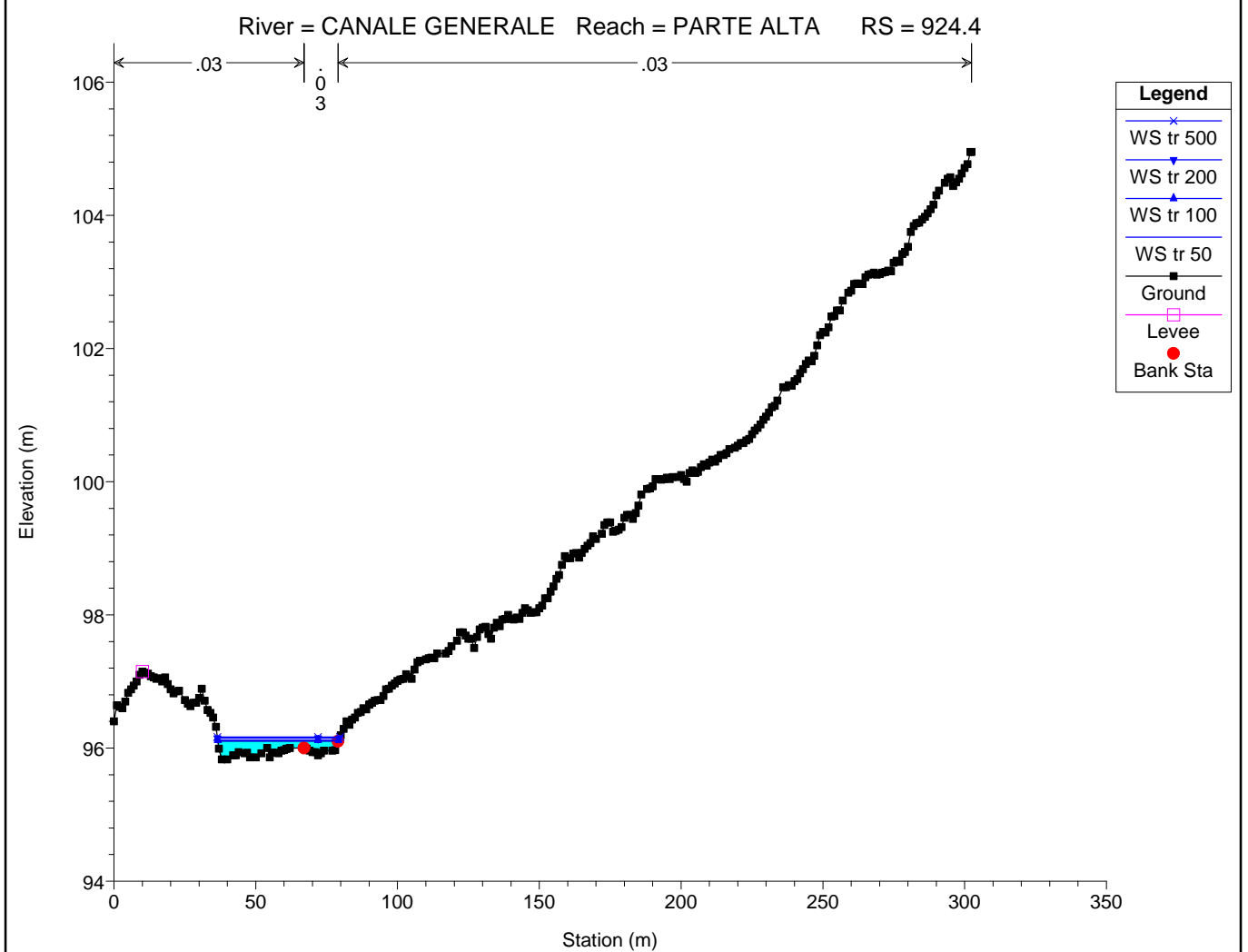
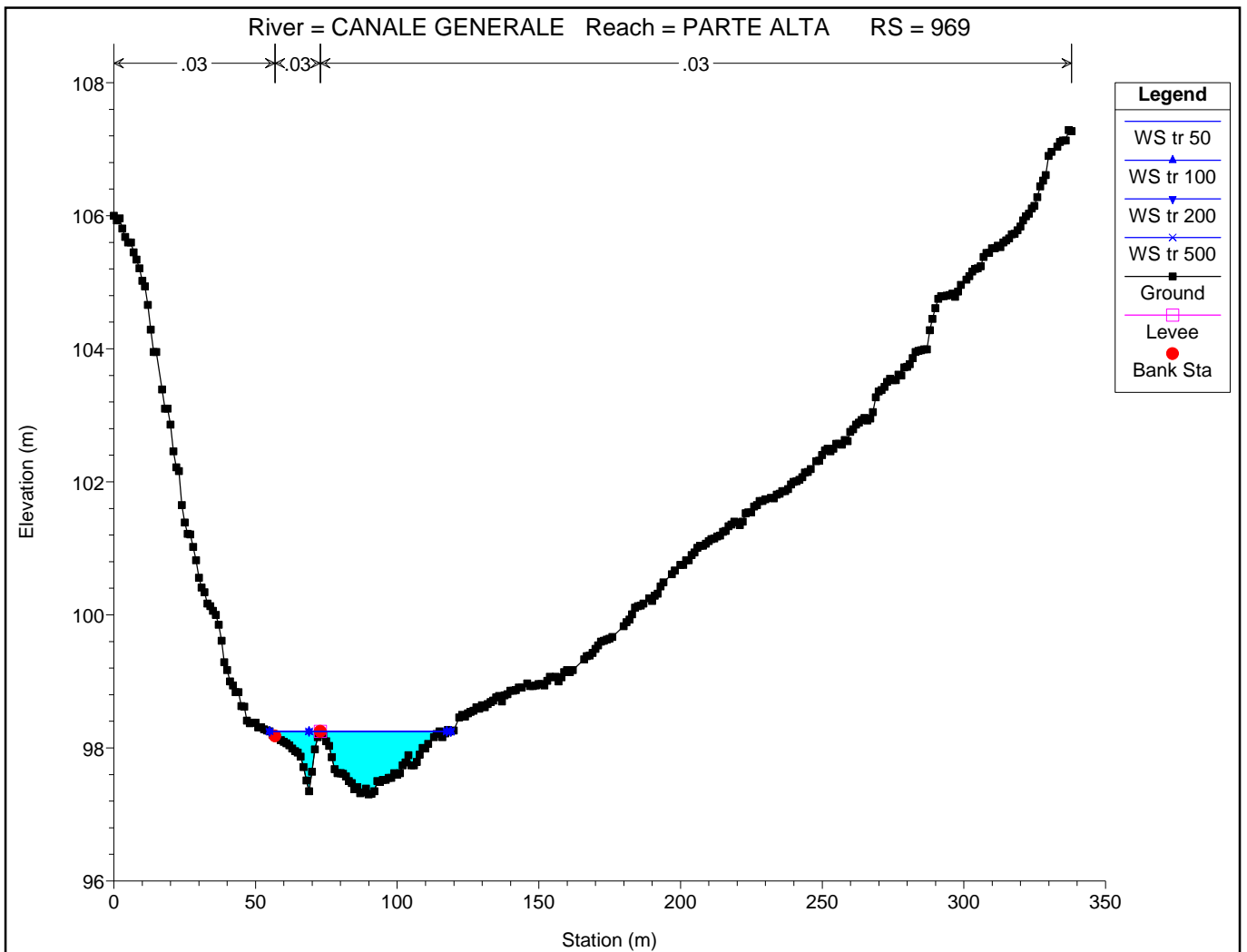


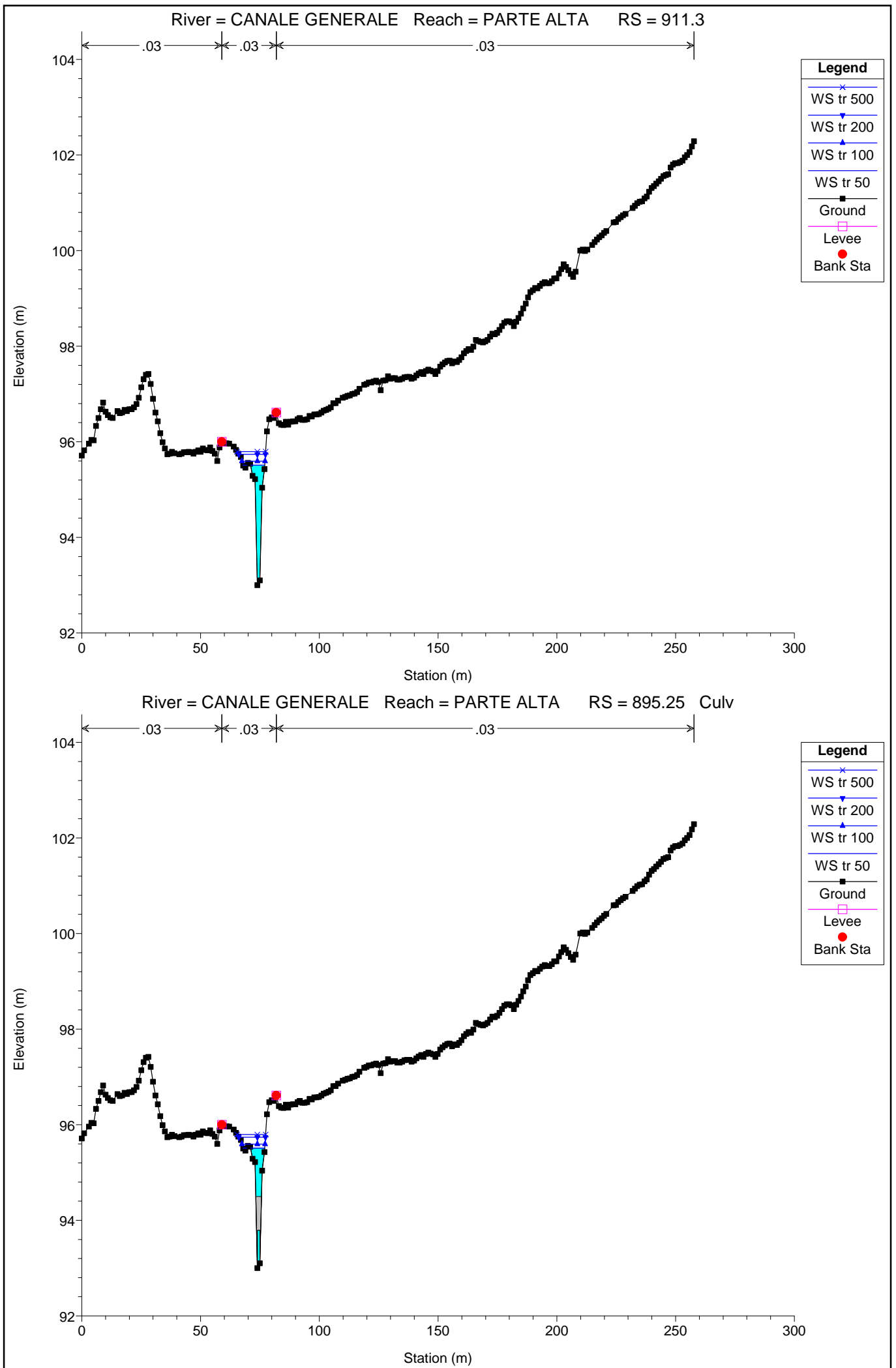


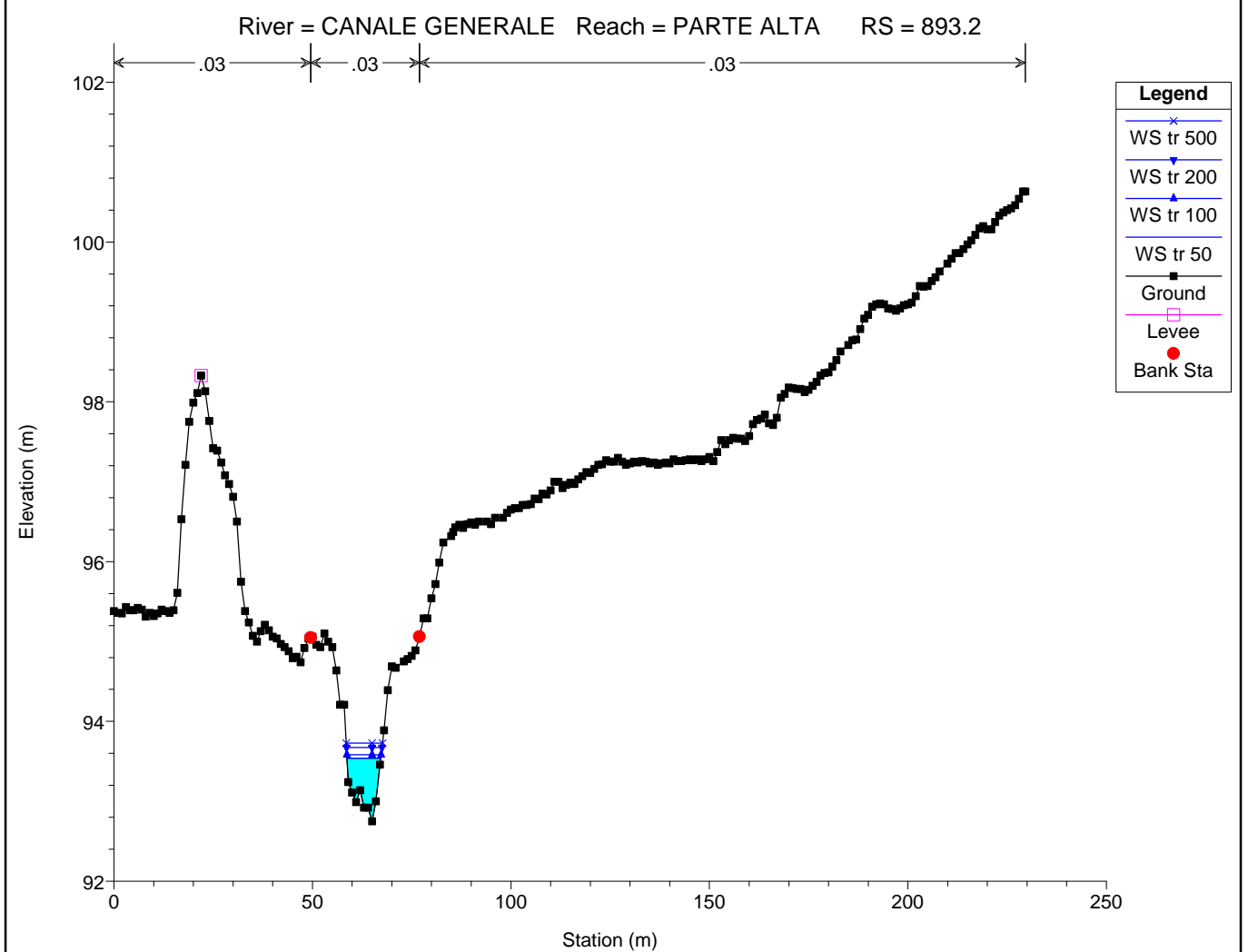
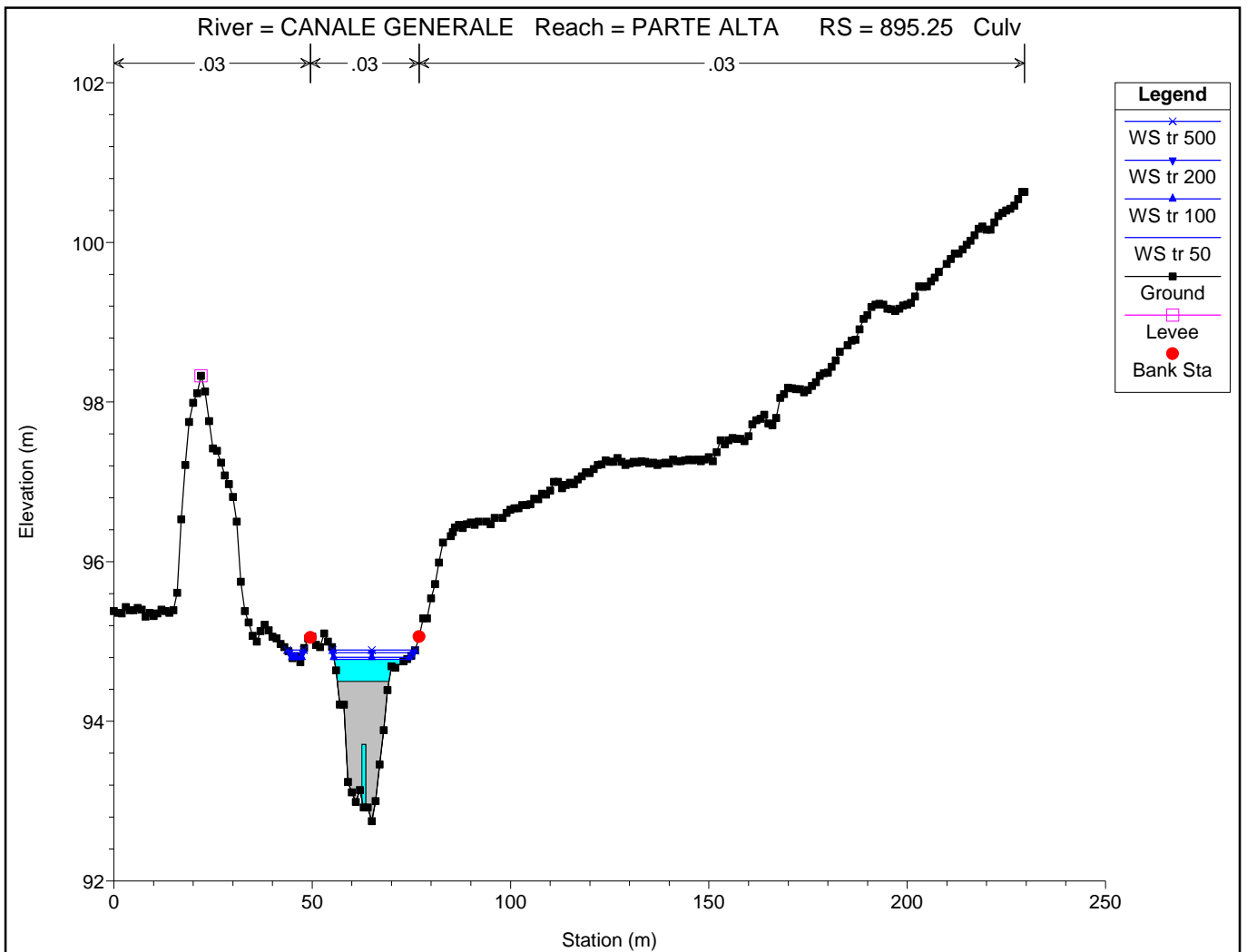


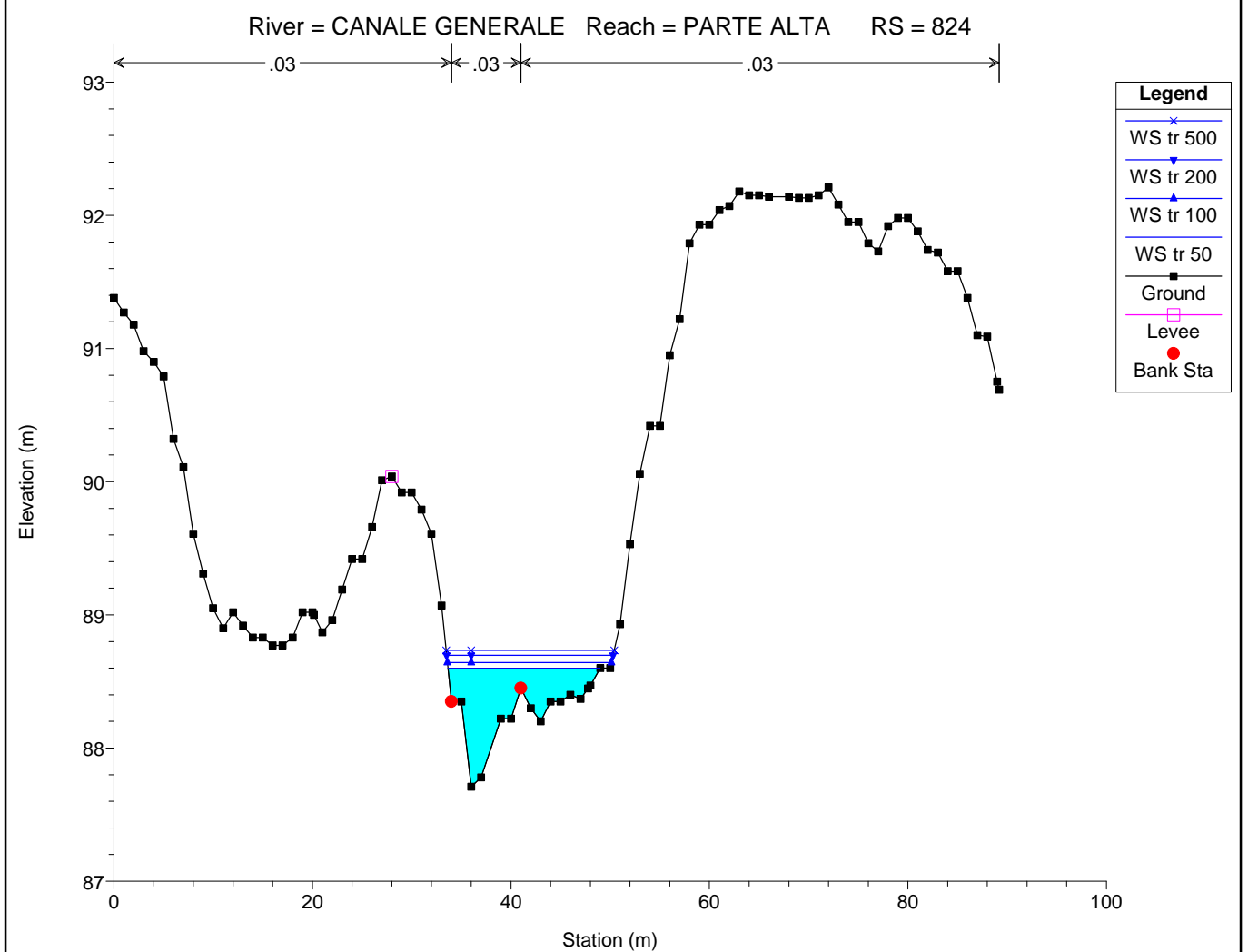
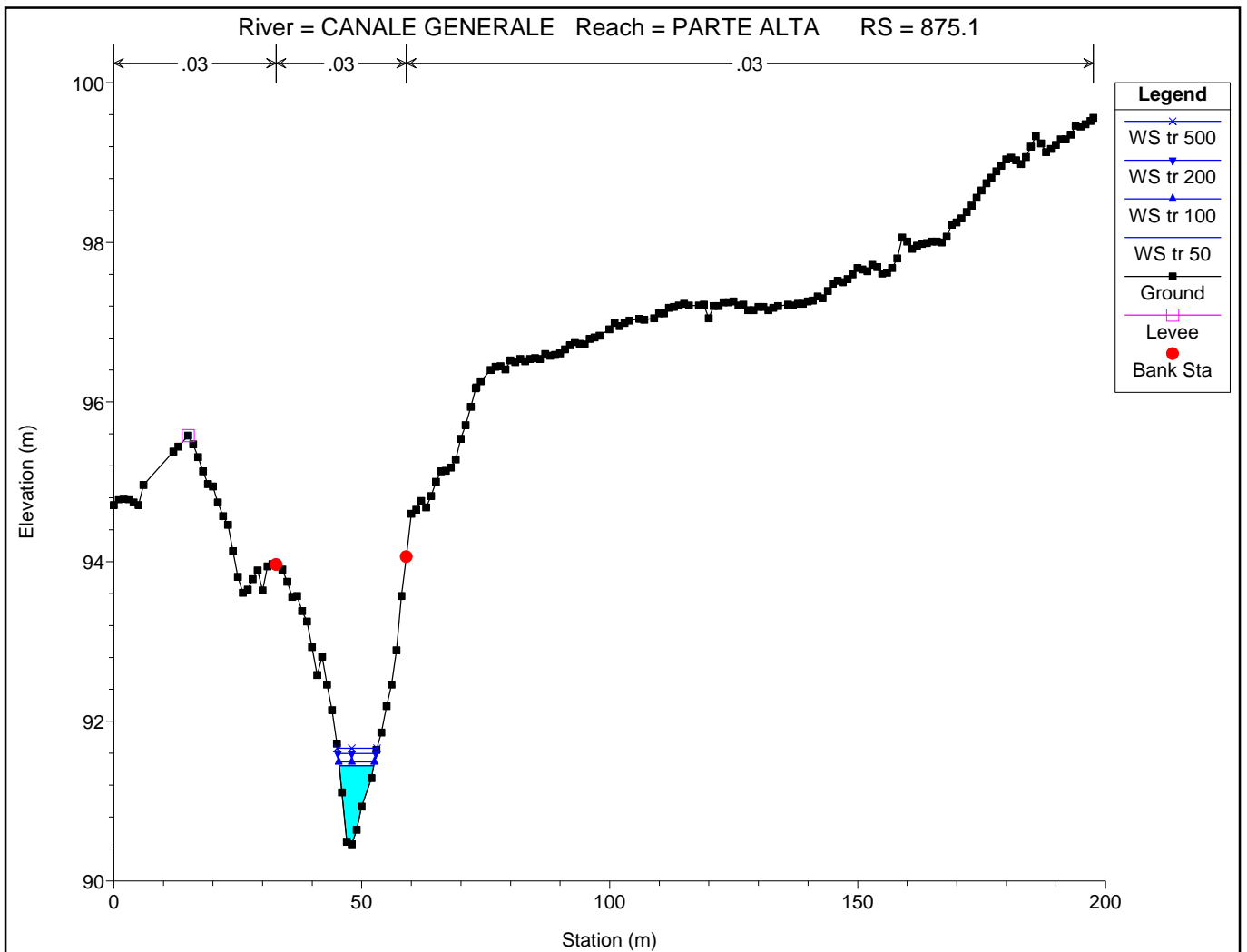


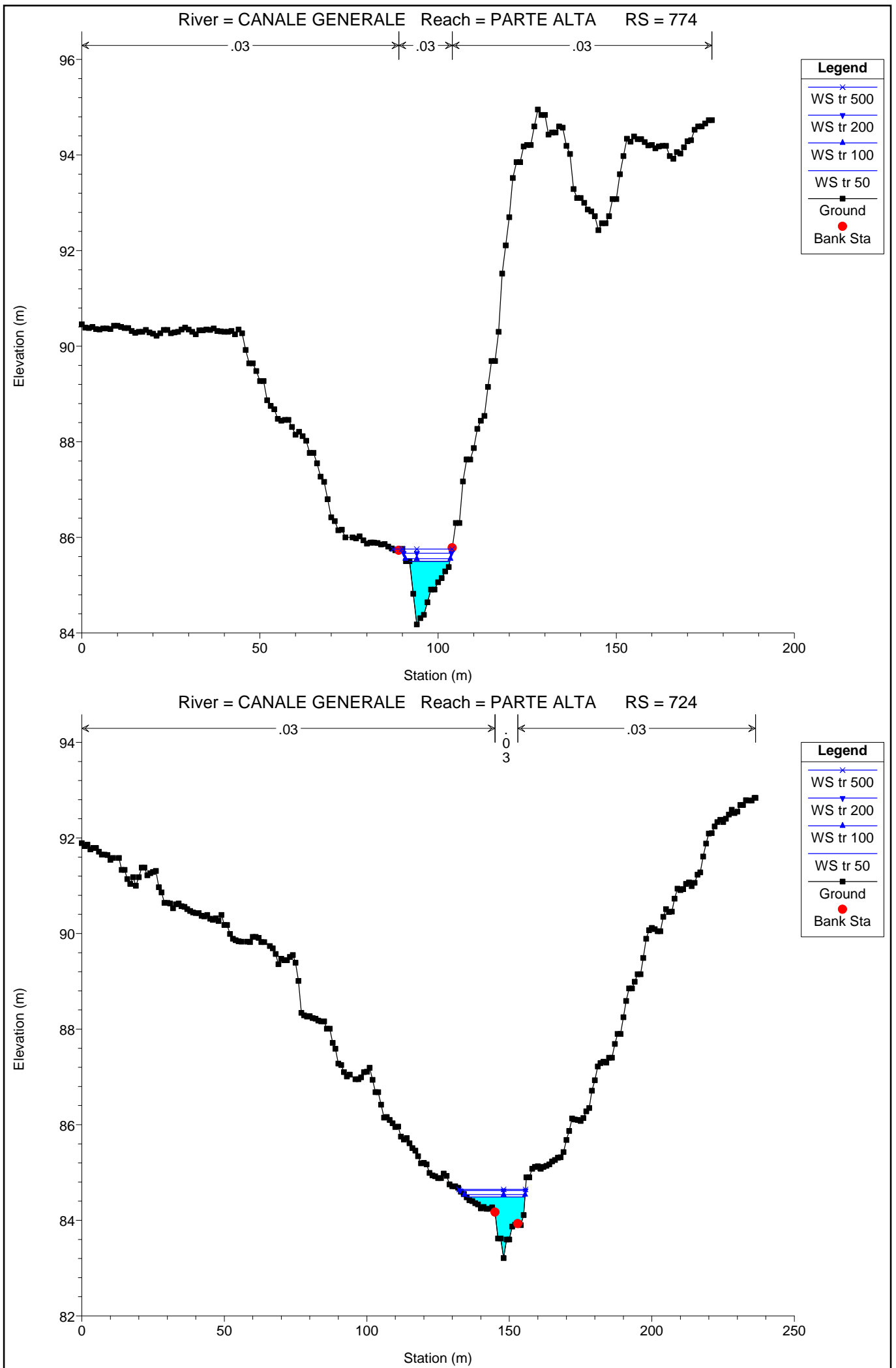


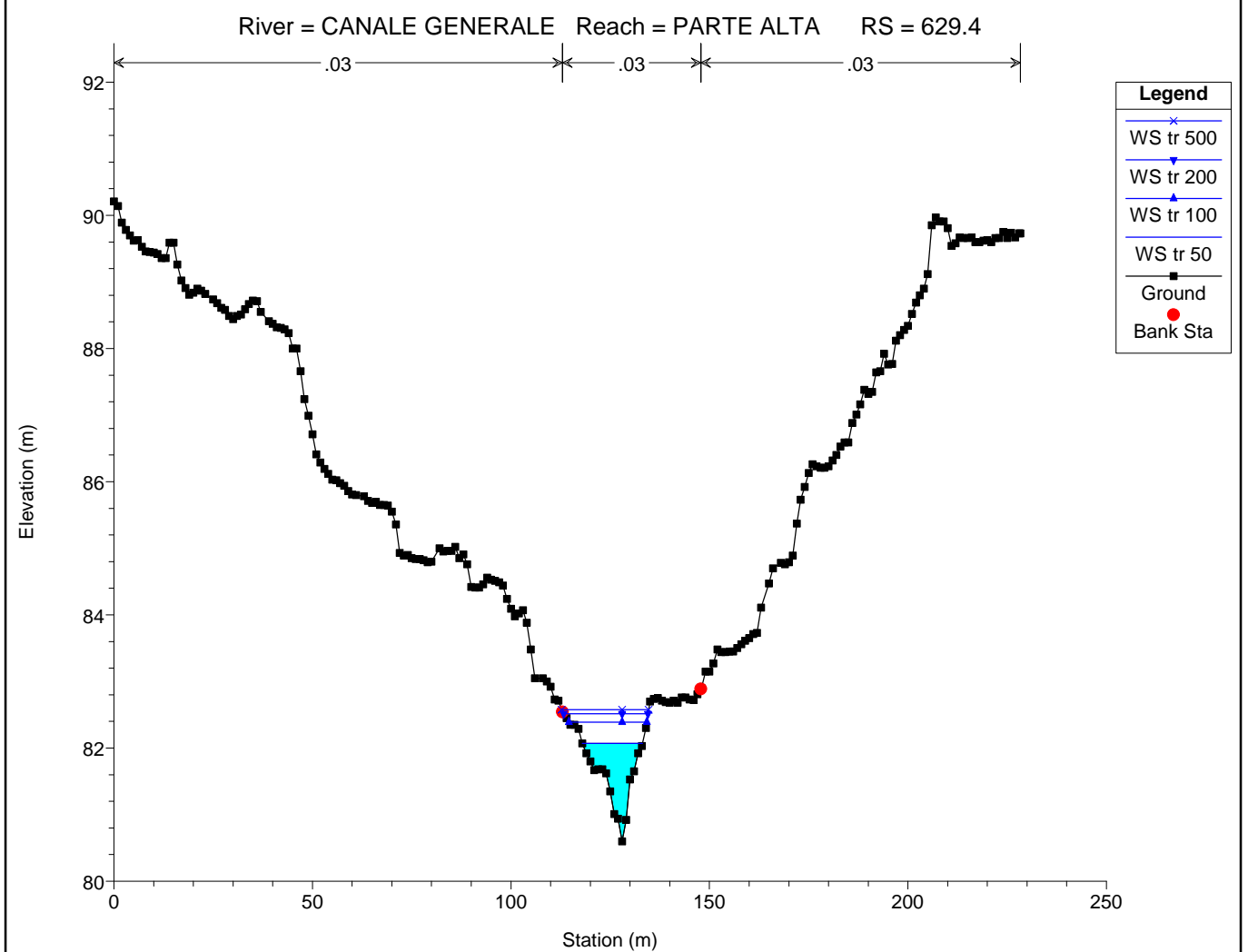
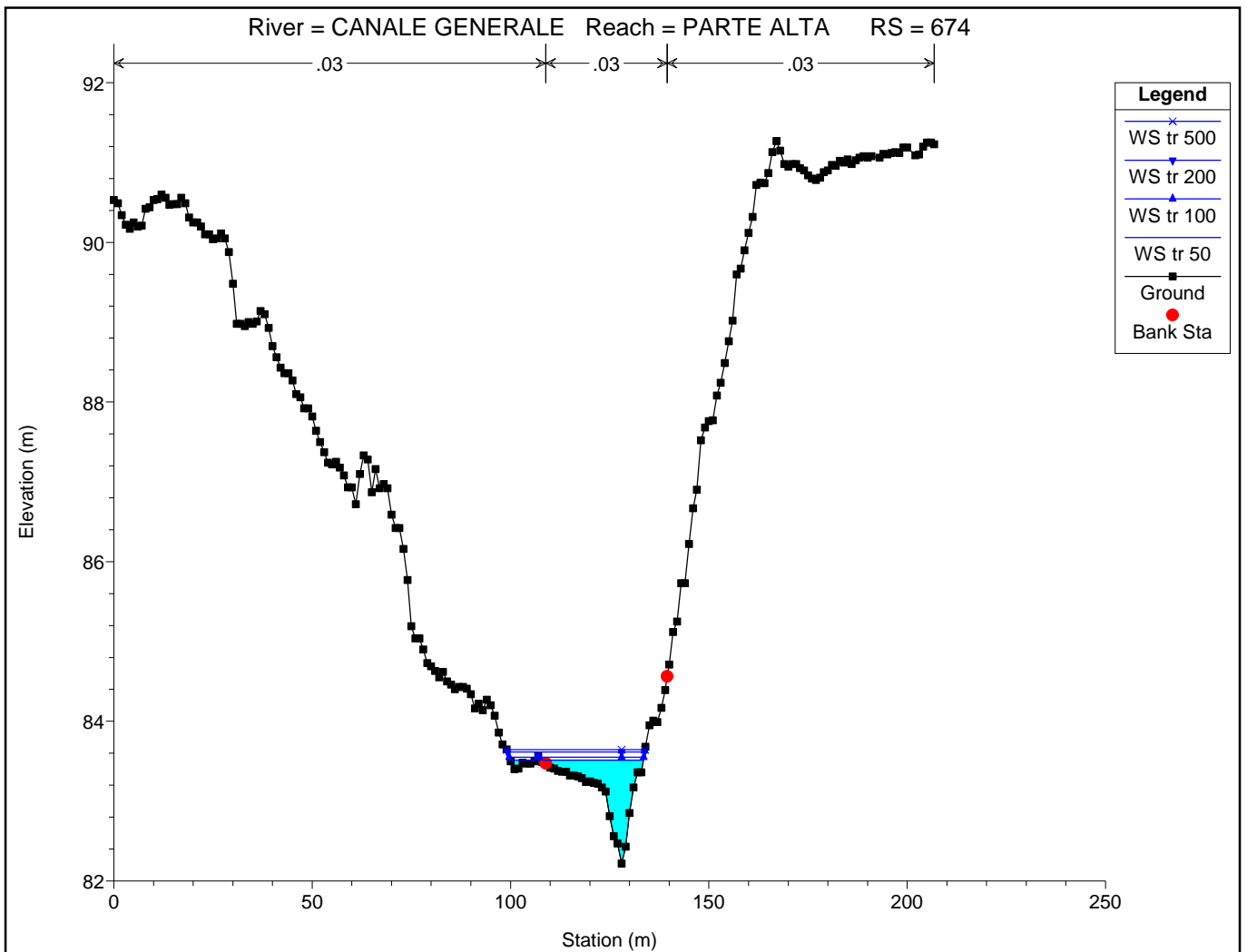


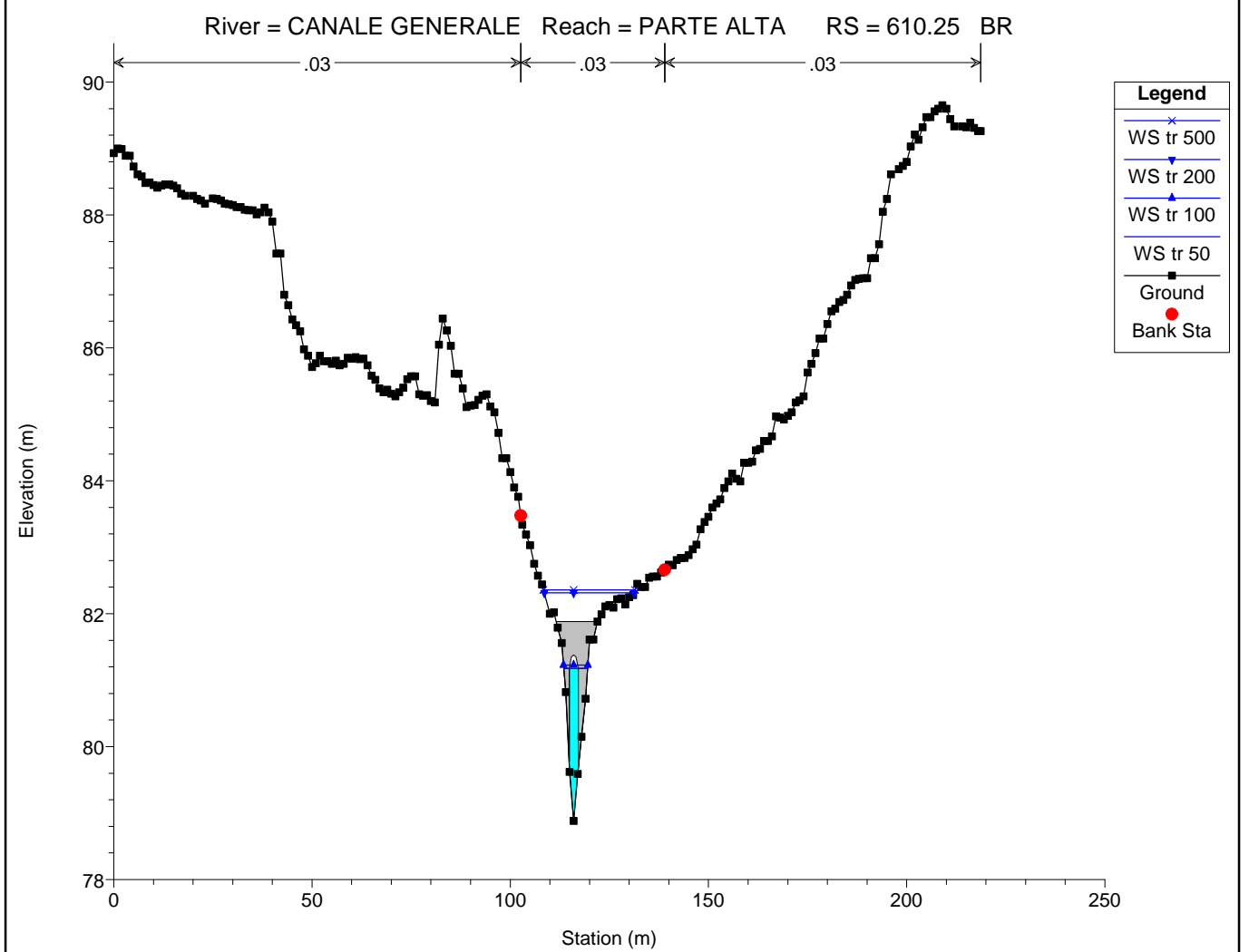
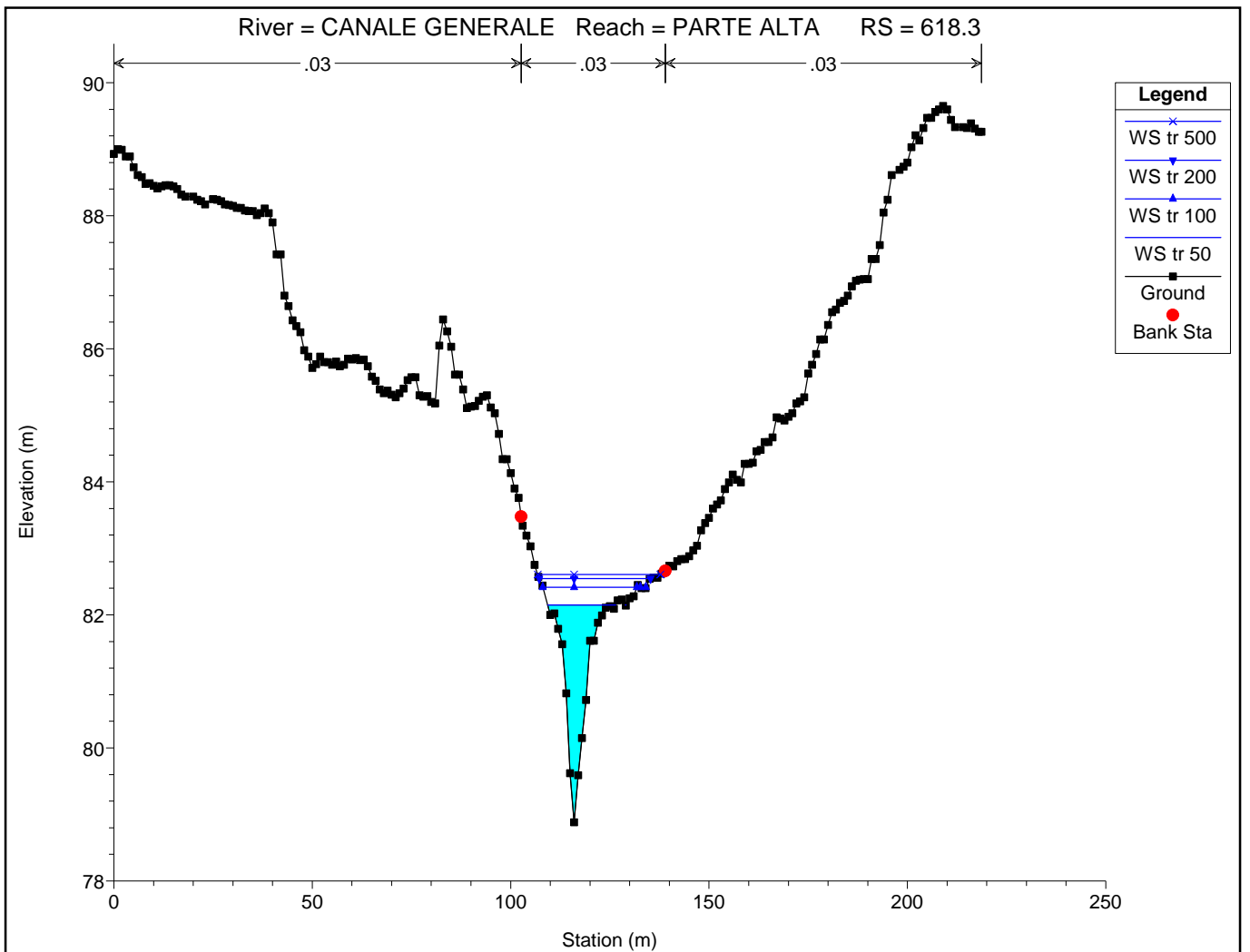


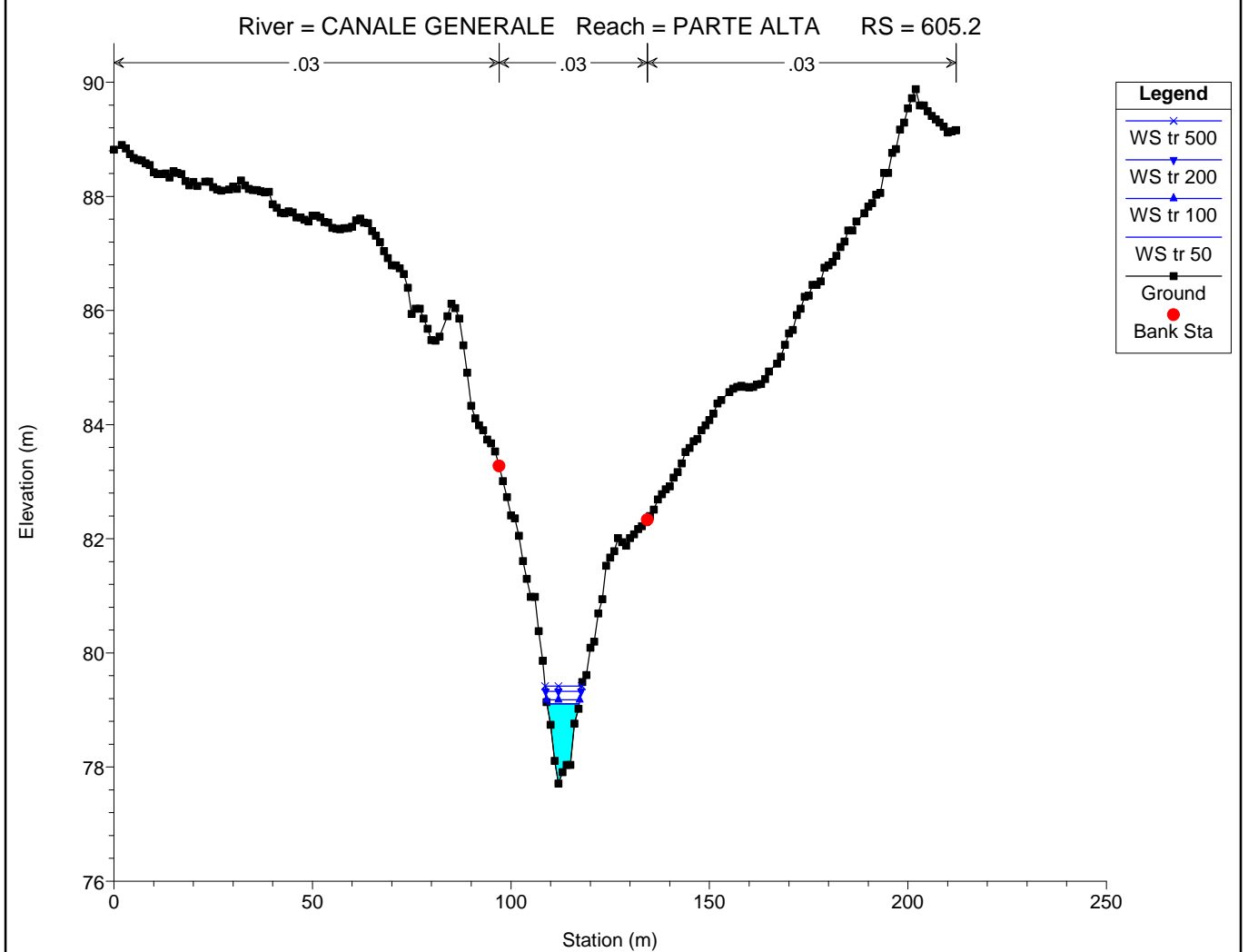
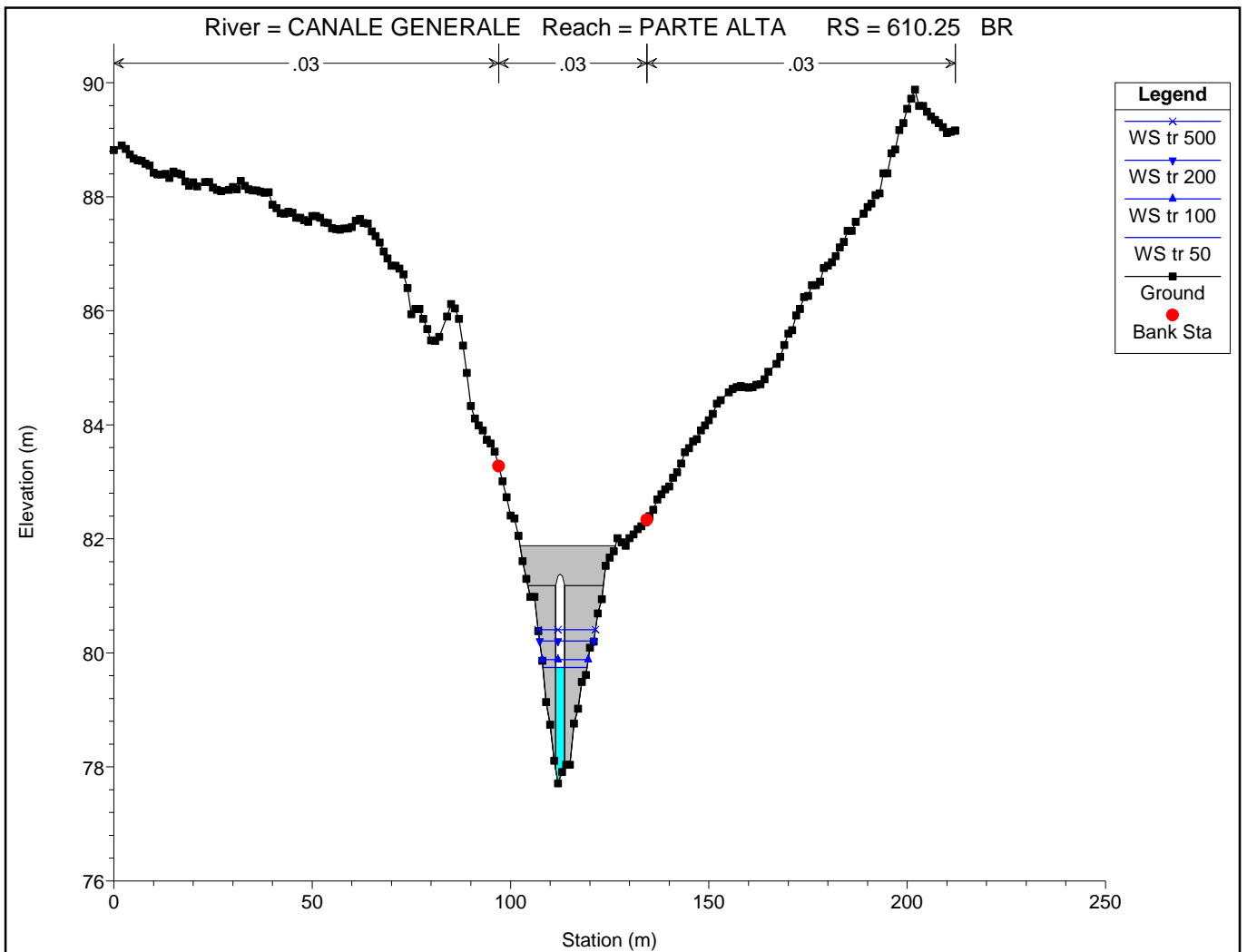


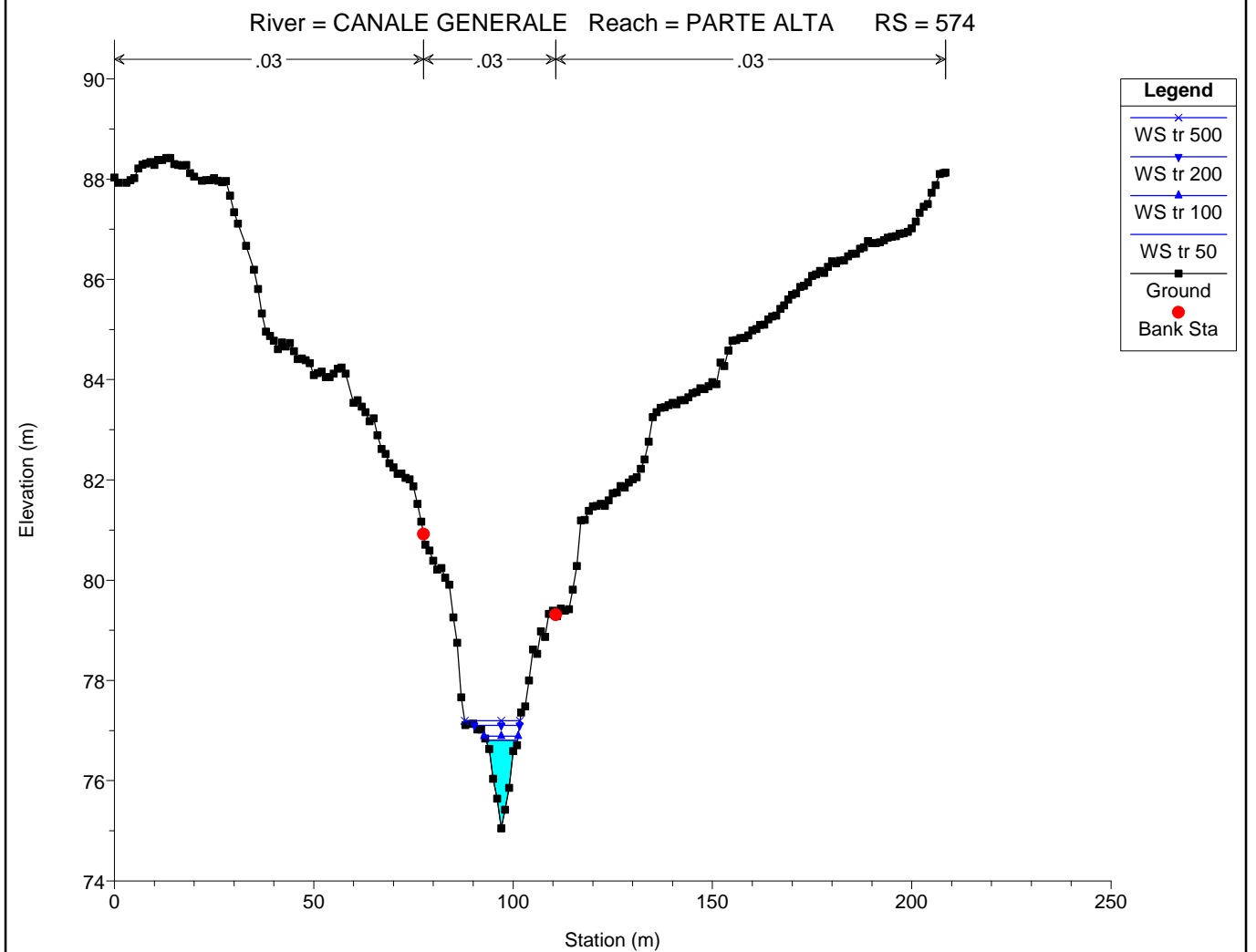
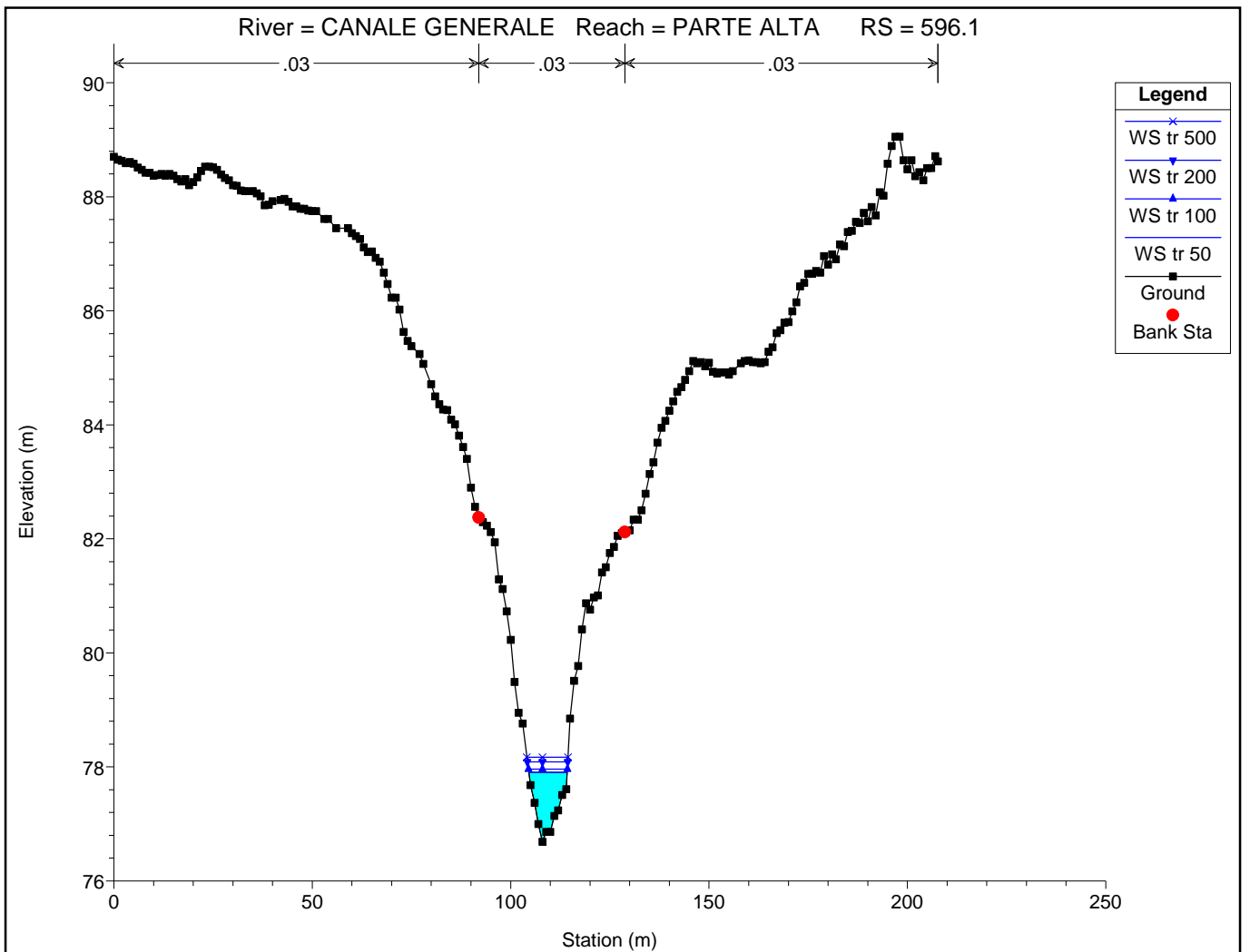


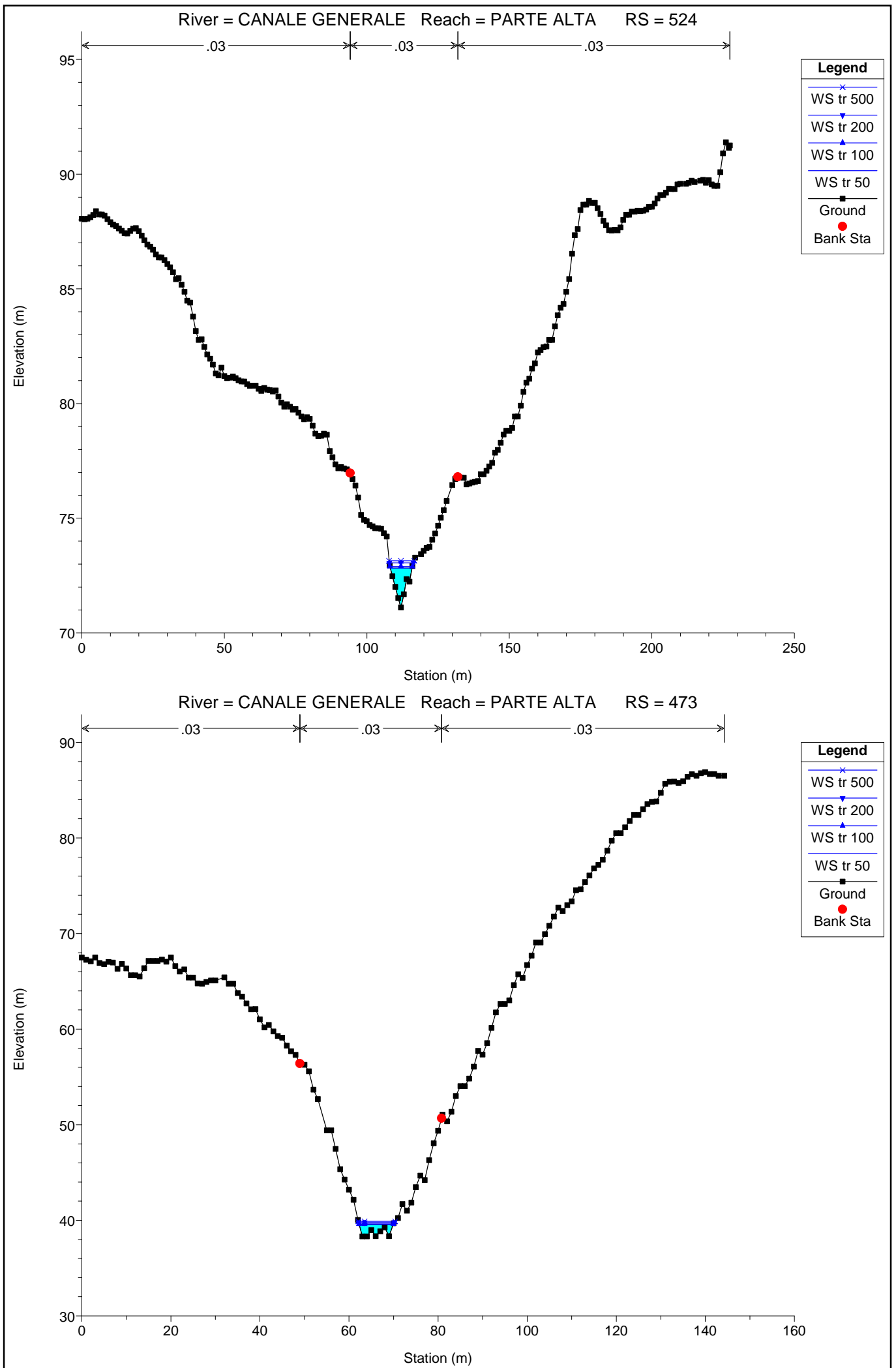


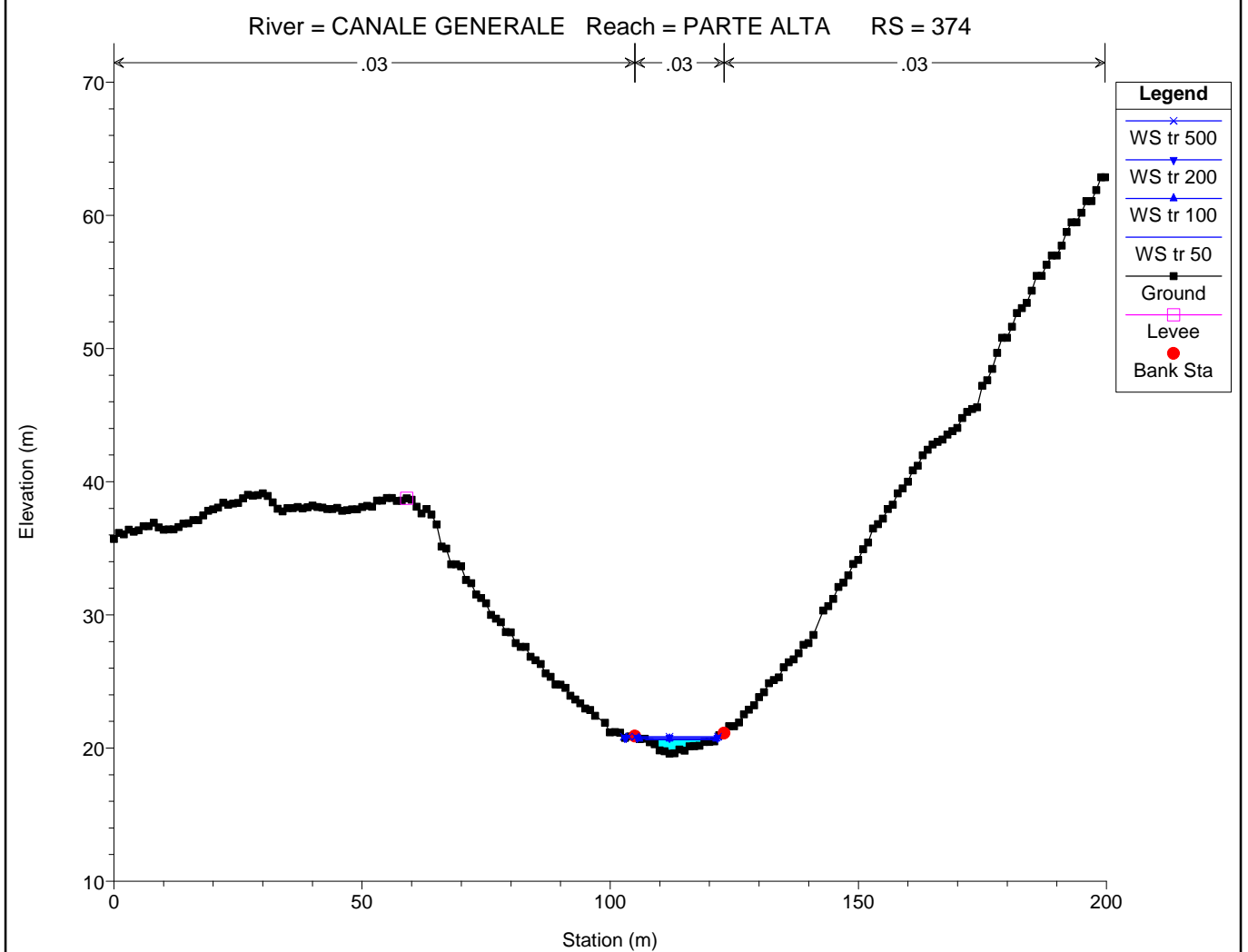
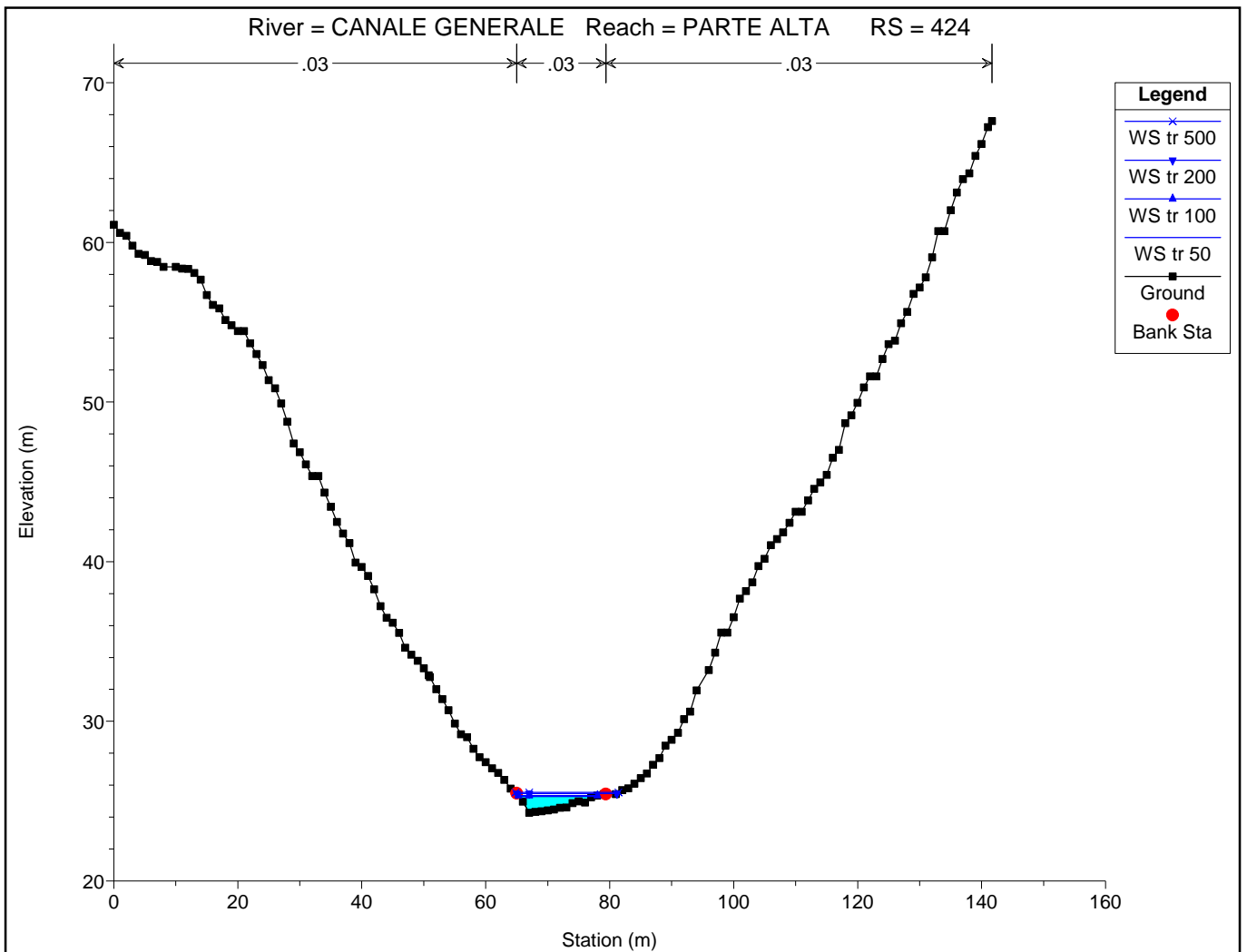


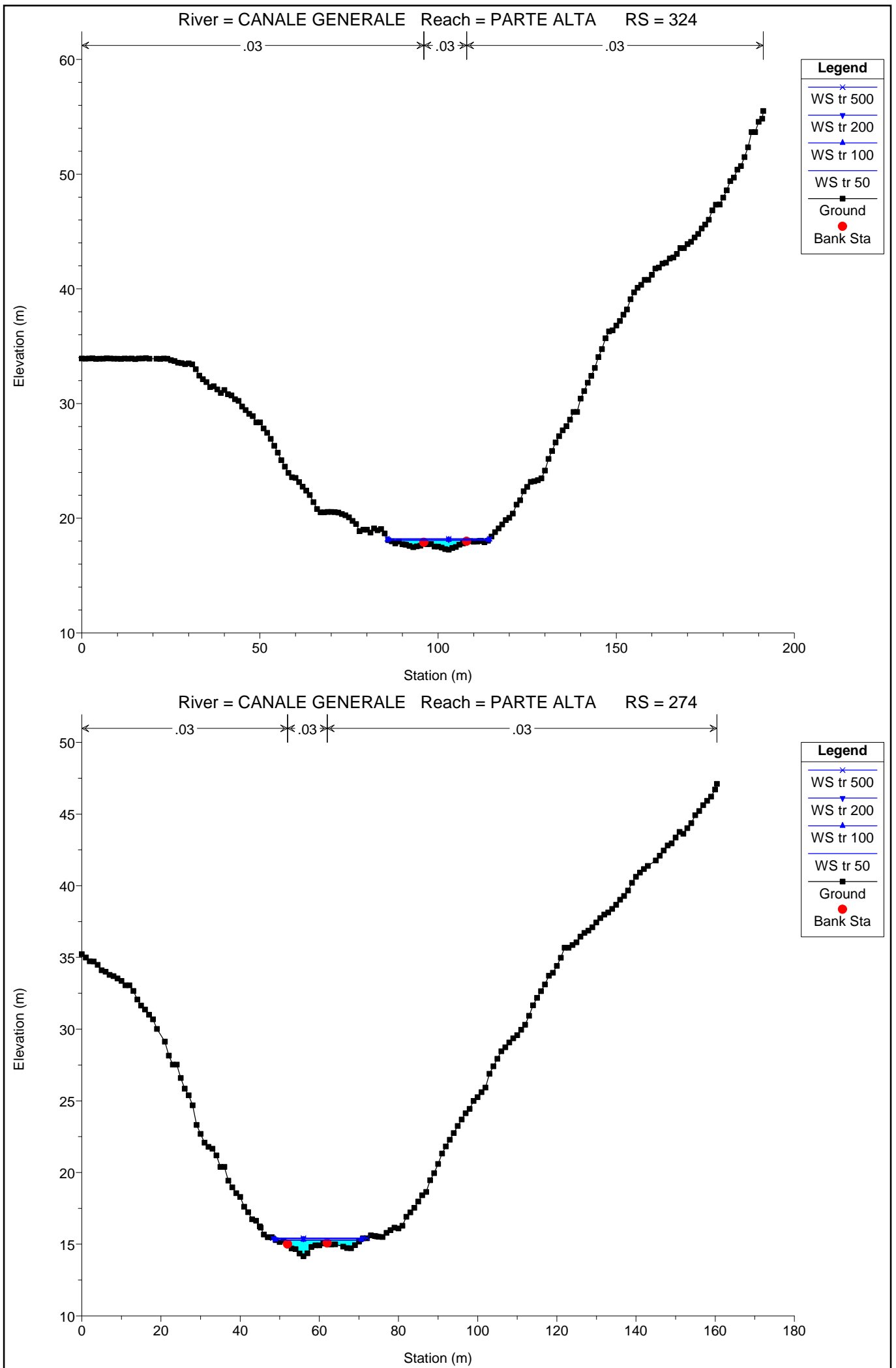


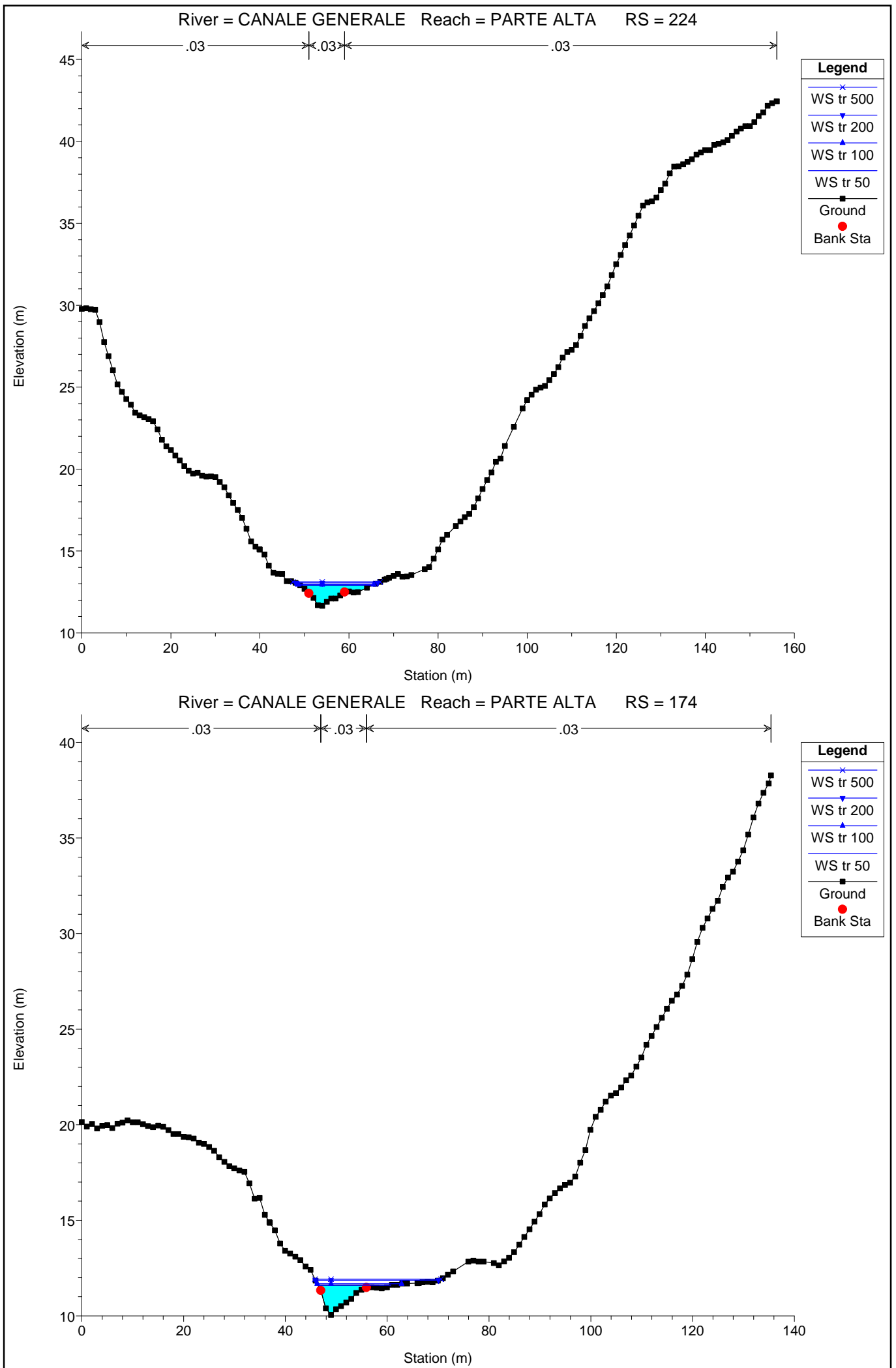


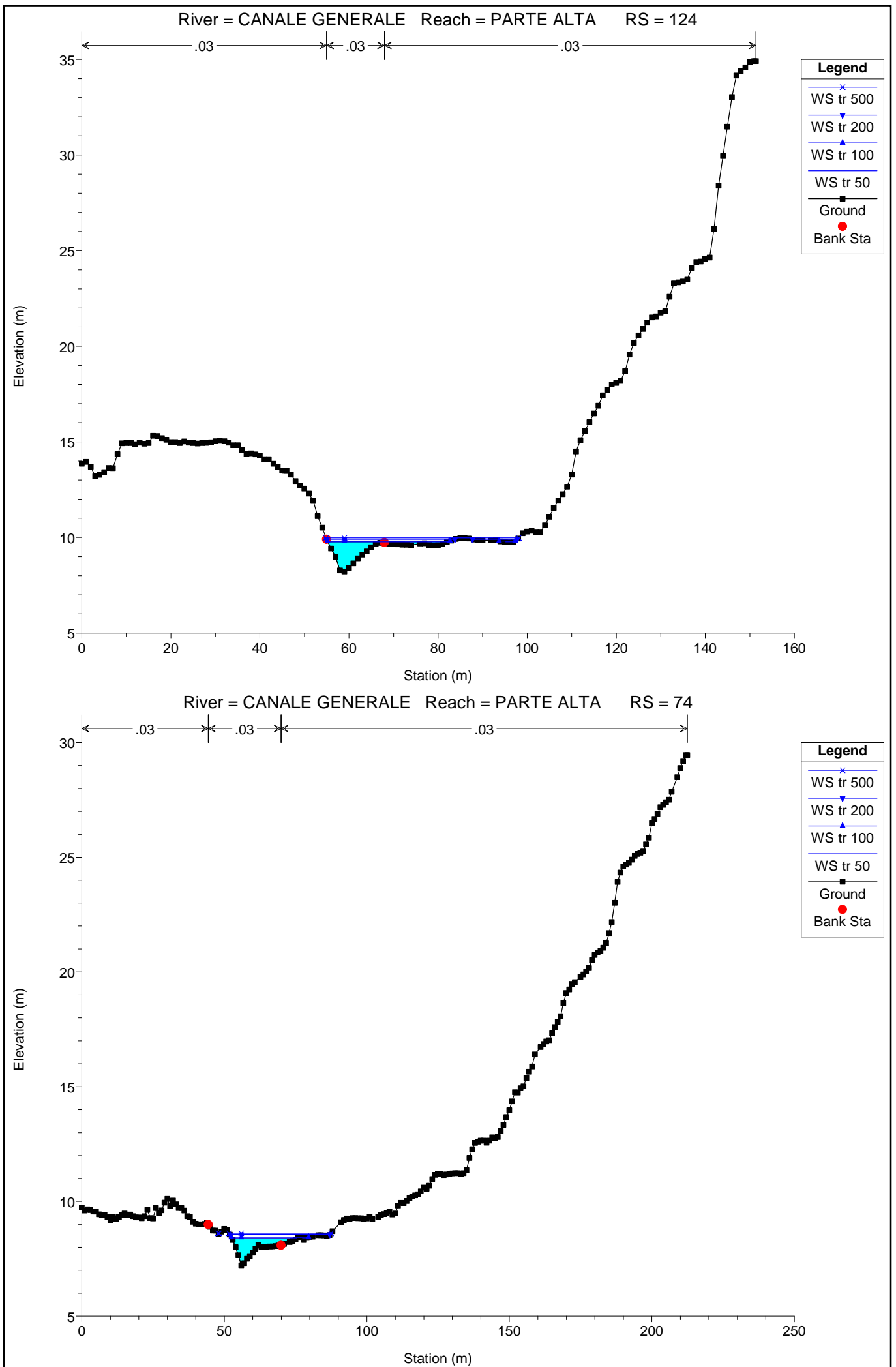


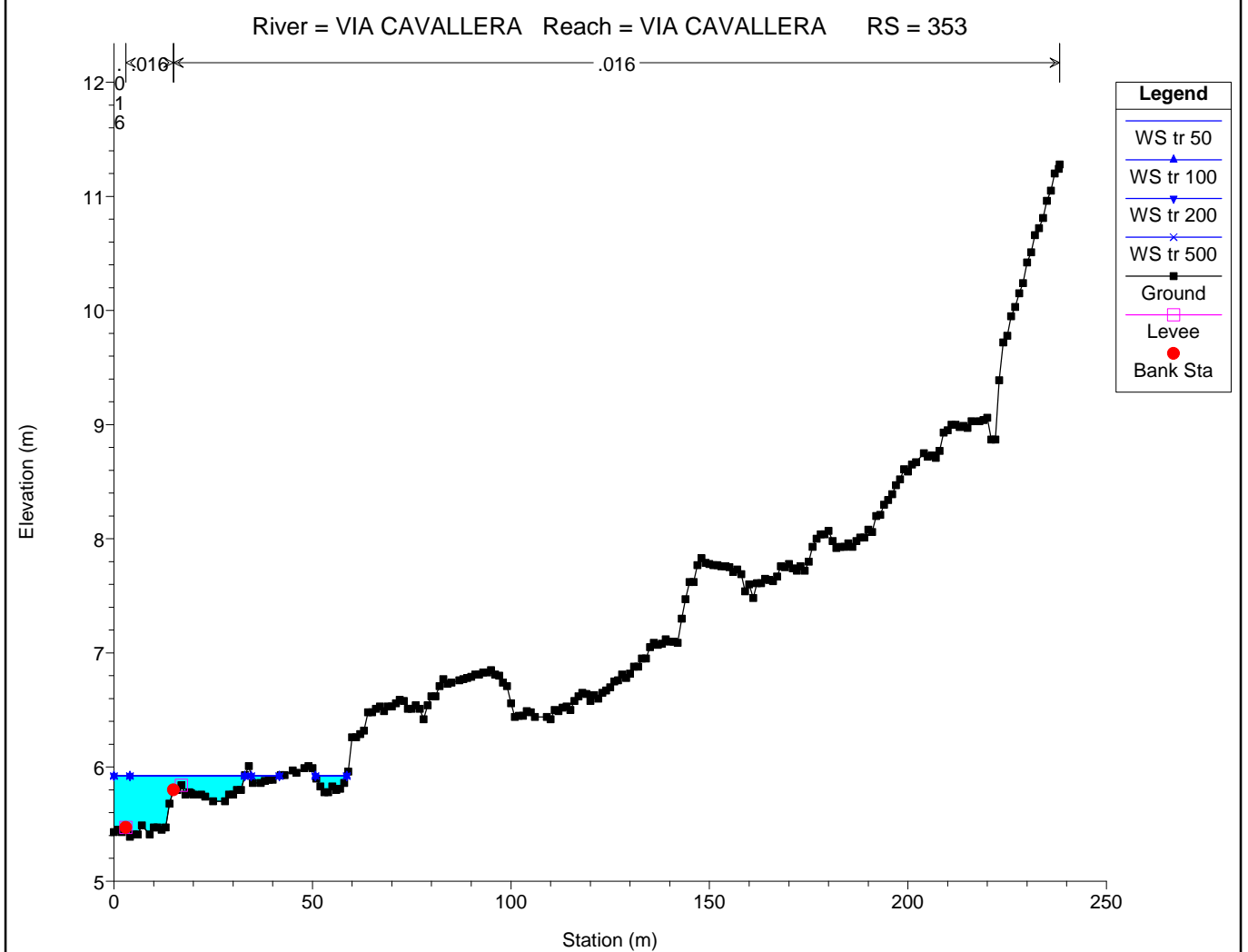
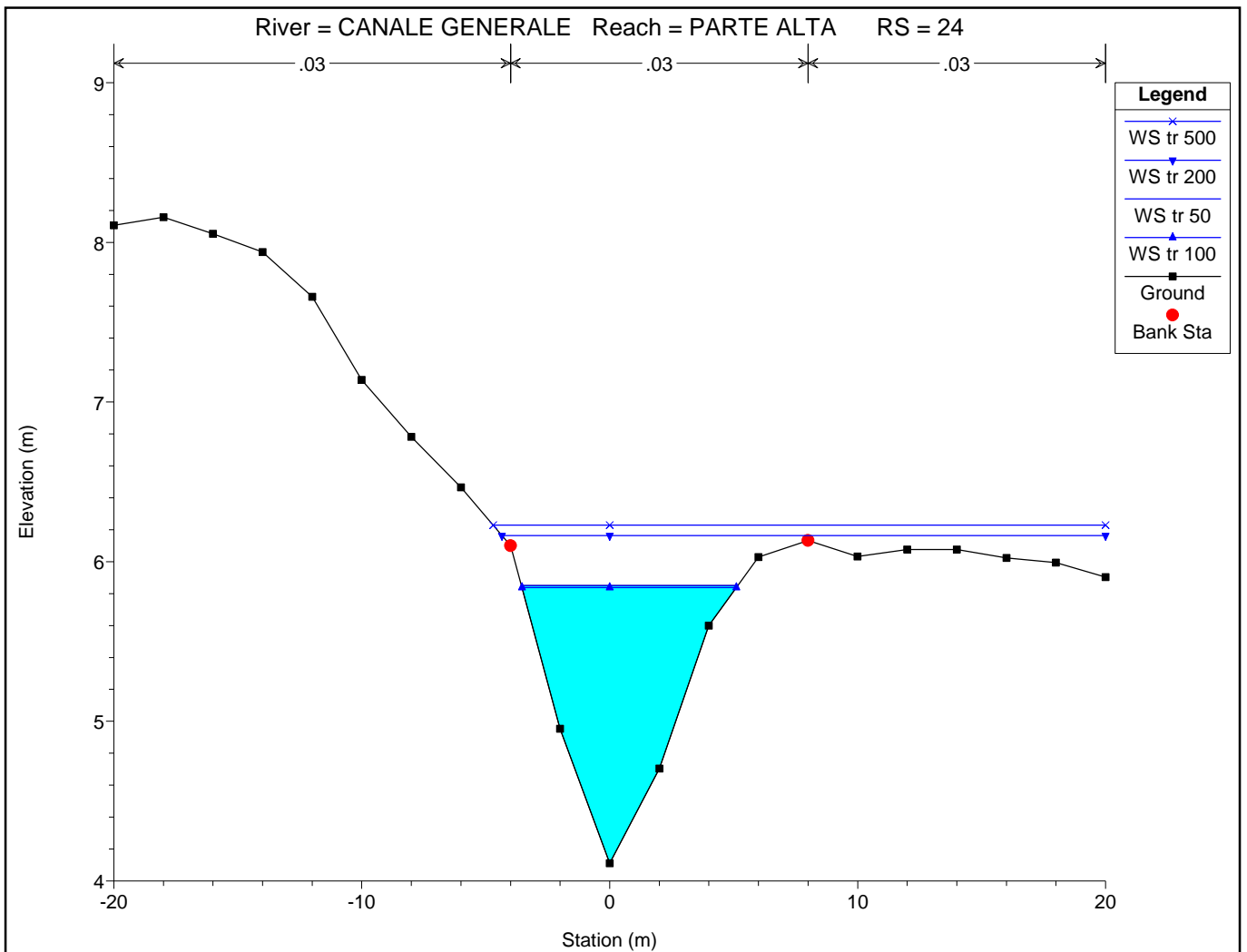


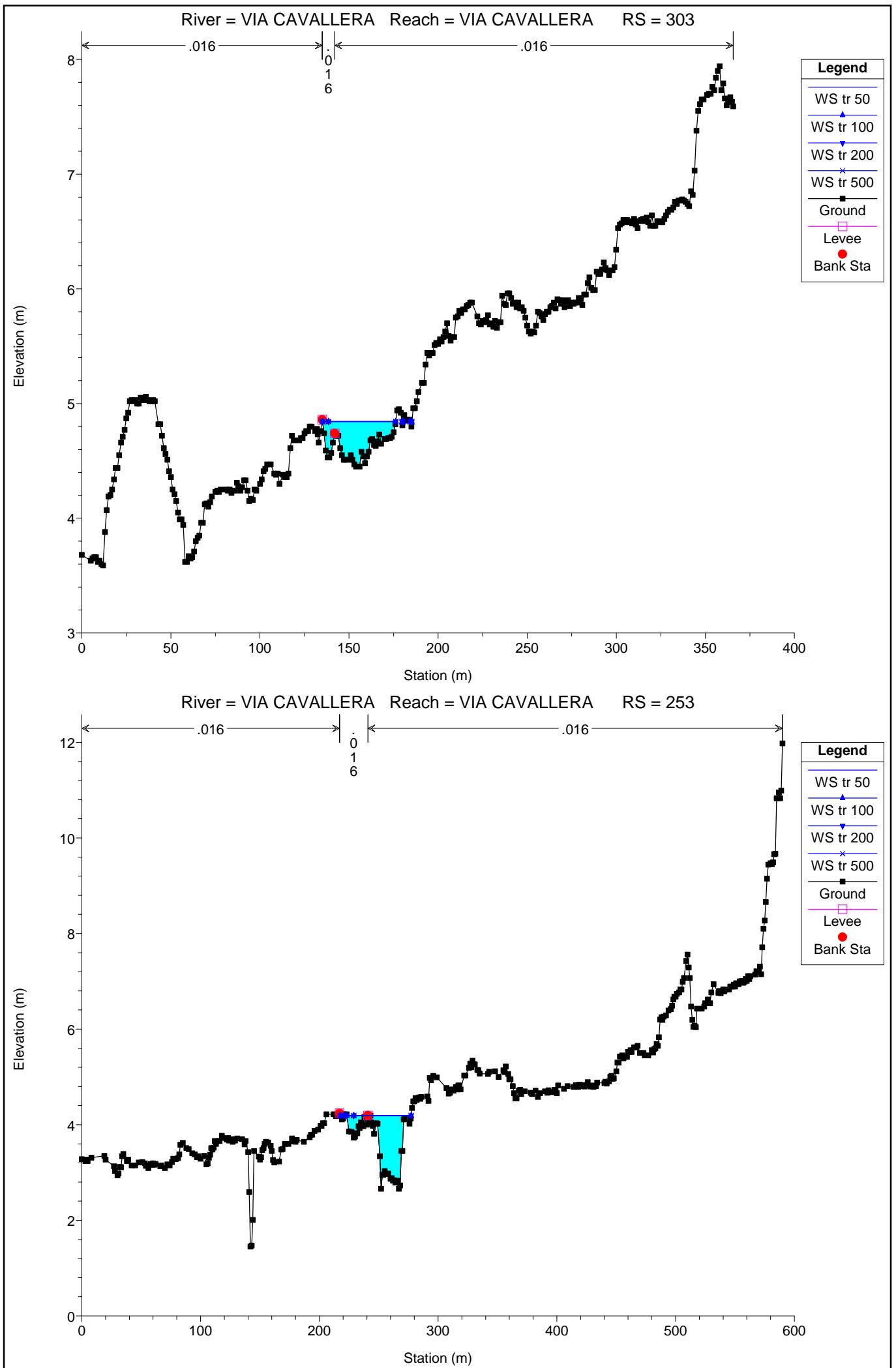


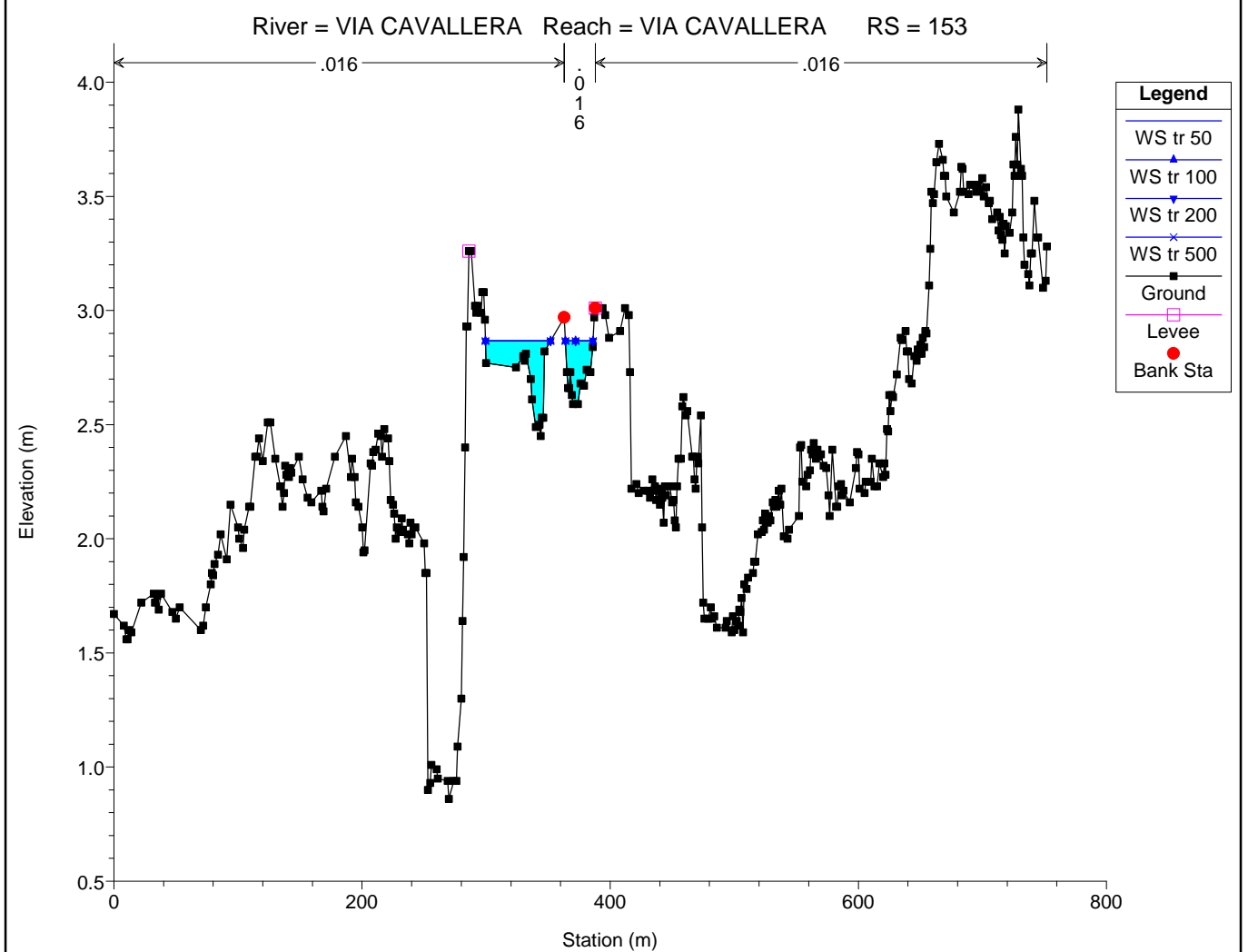
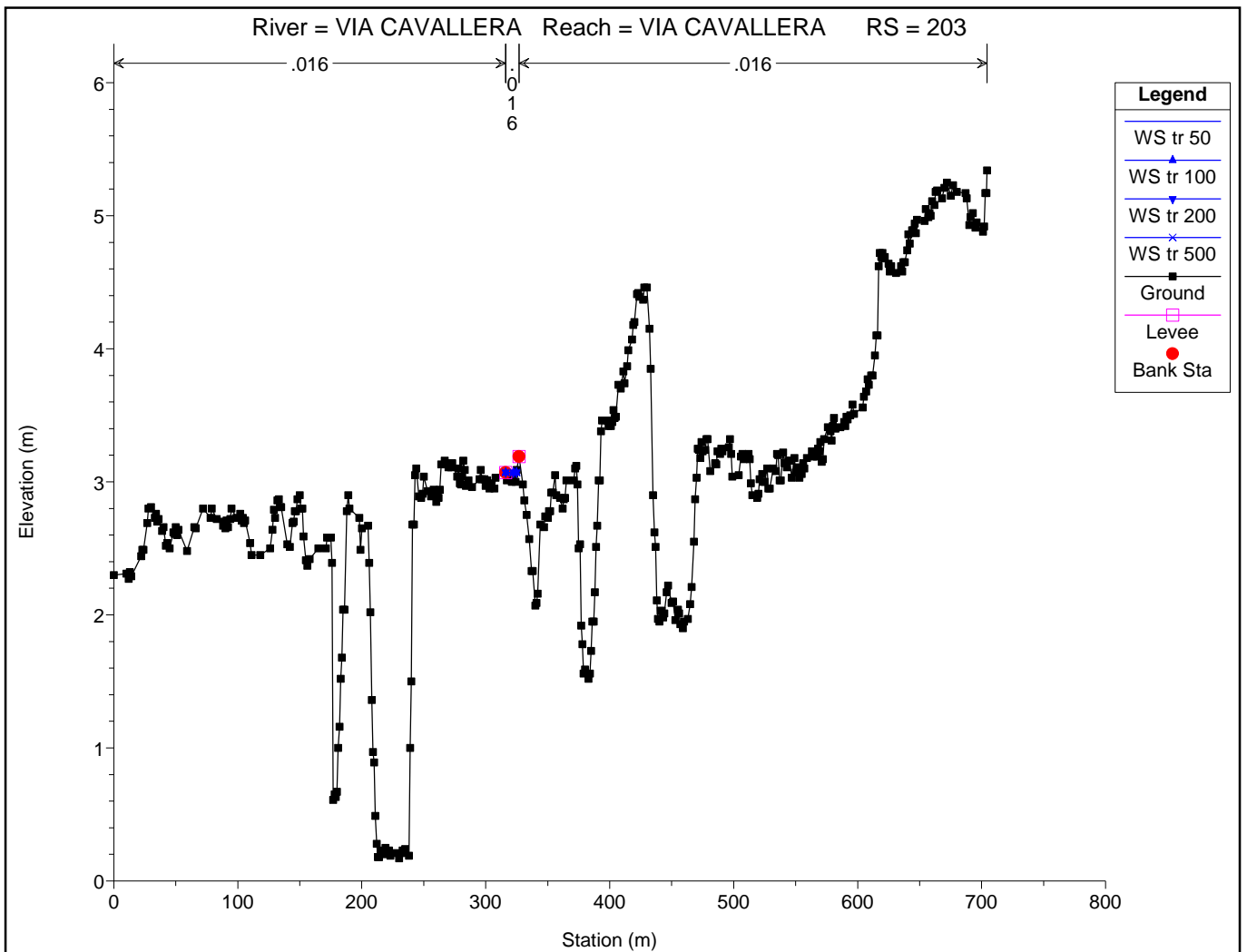


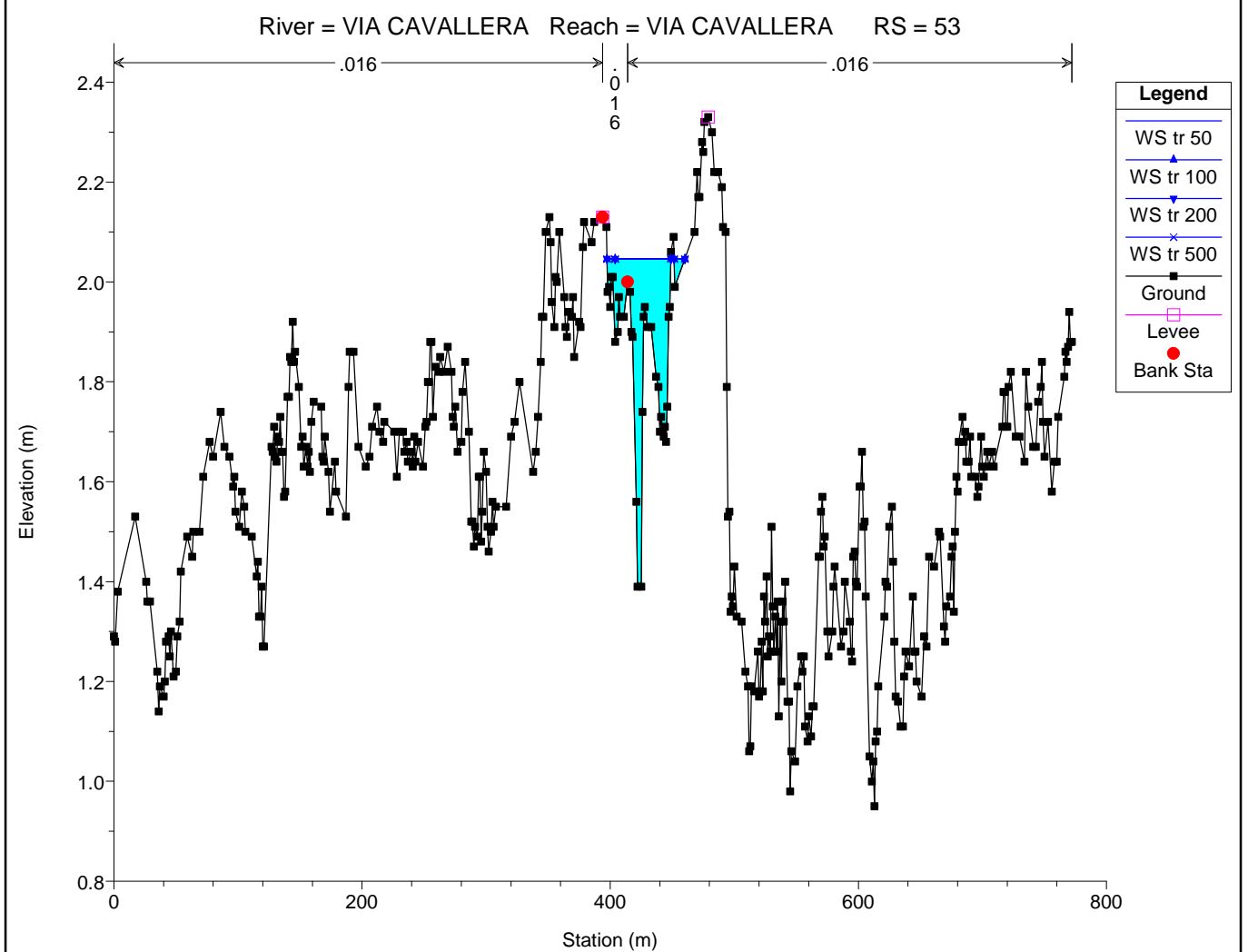
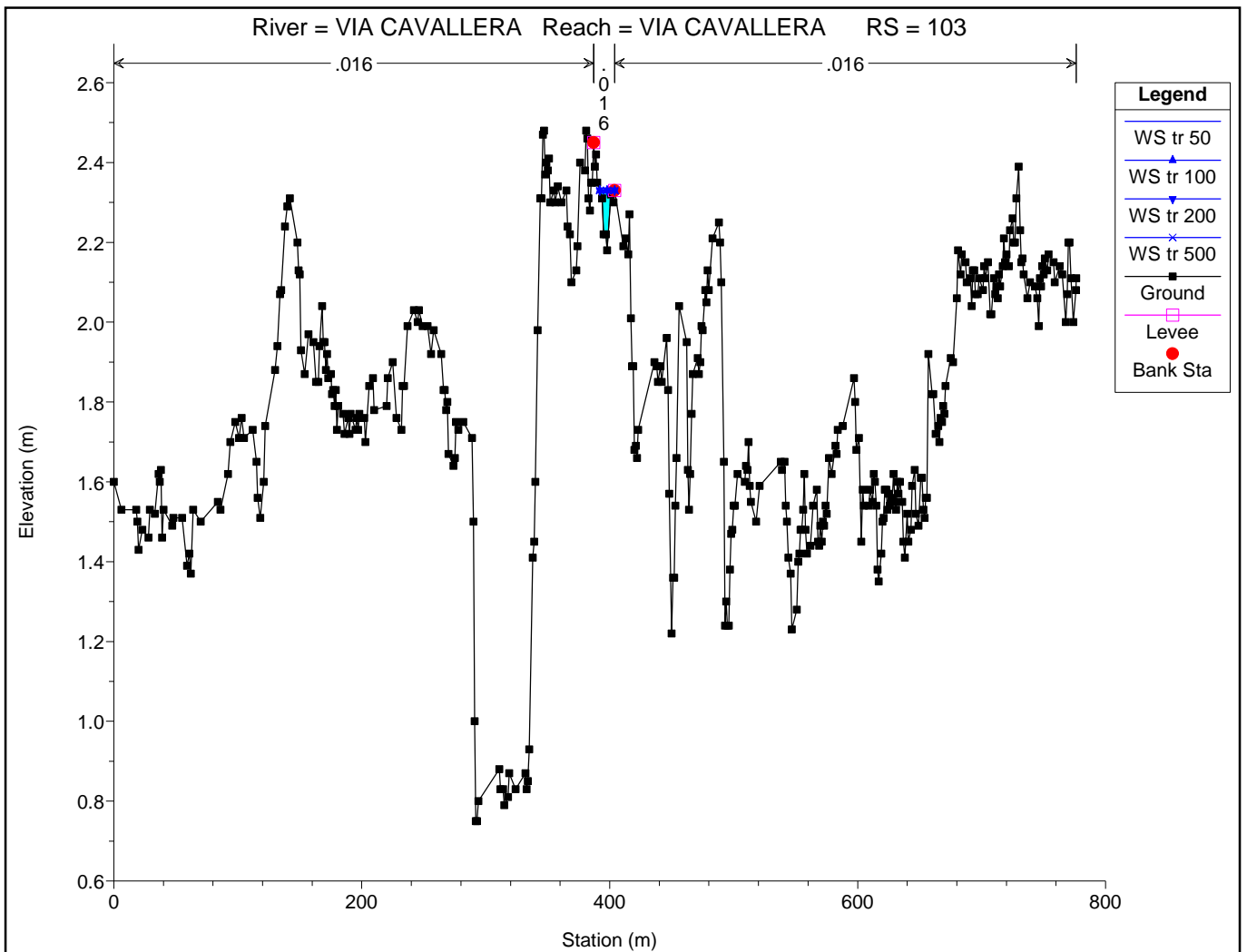


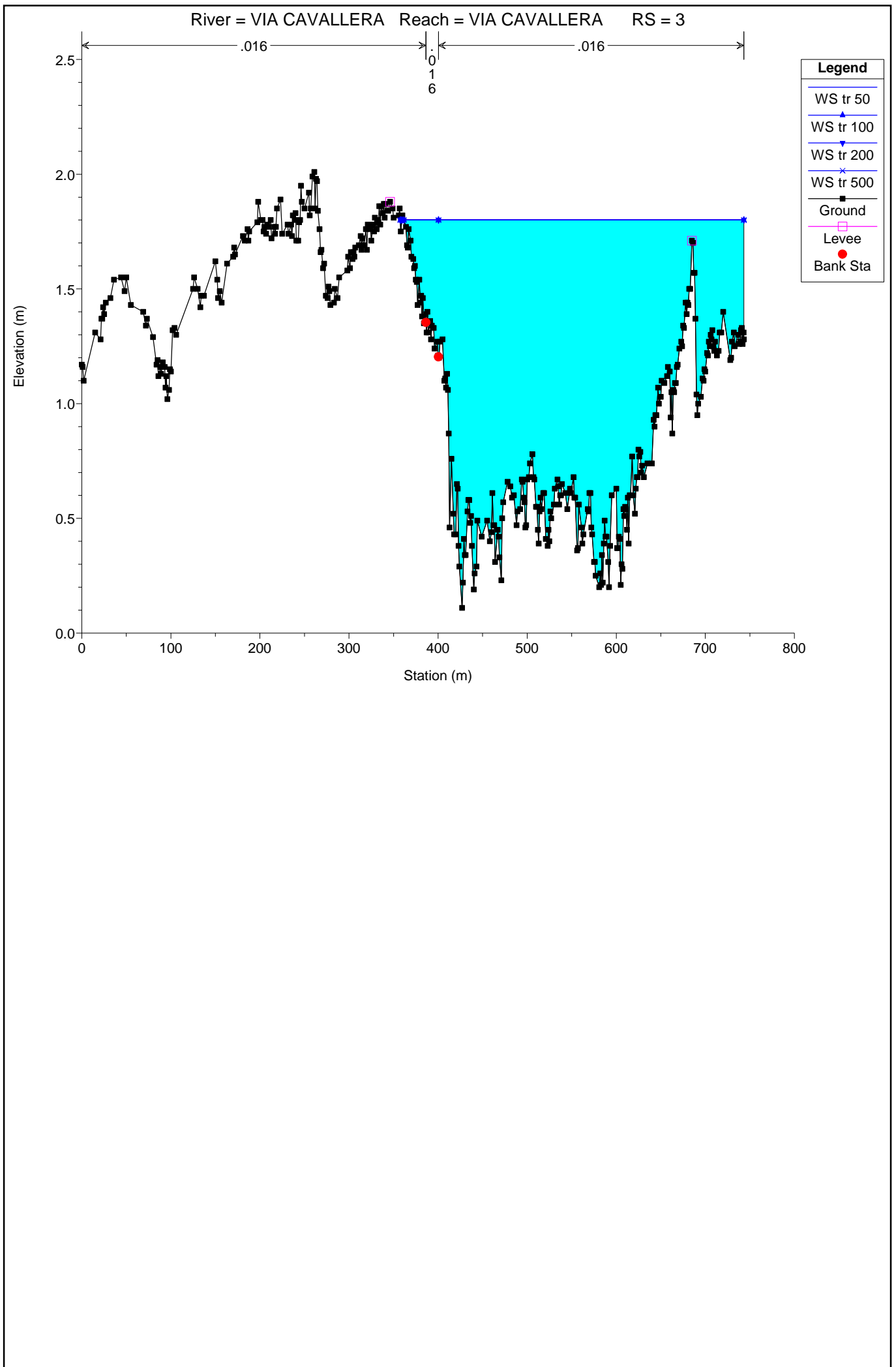












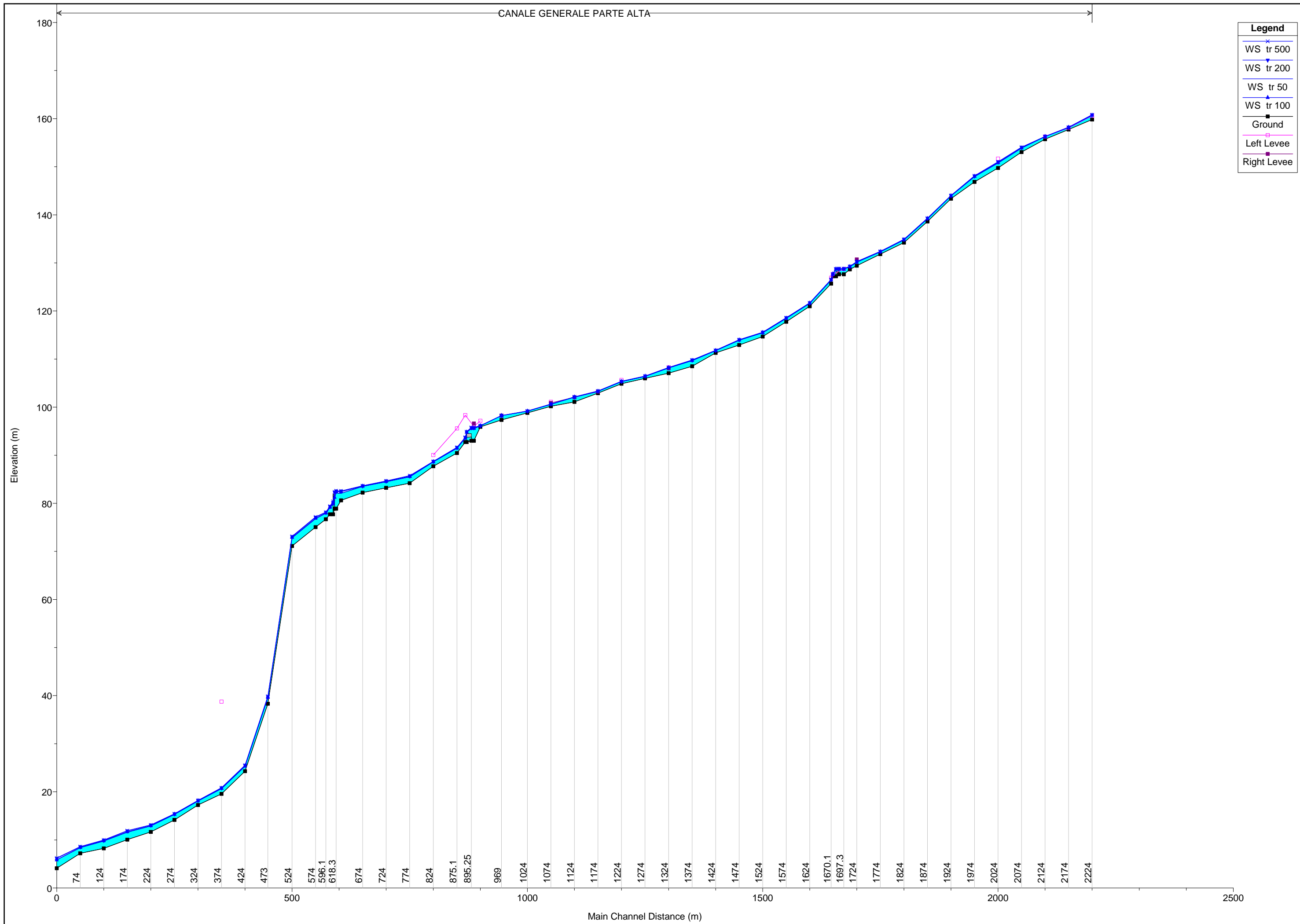
A) \ # ' ' - PARTE 2

Risultati della modellazione idraulica

CANALE2 - DEL GENERALE

Profilo

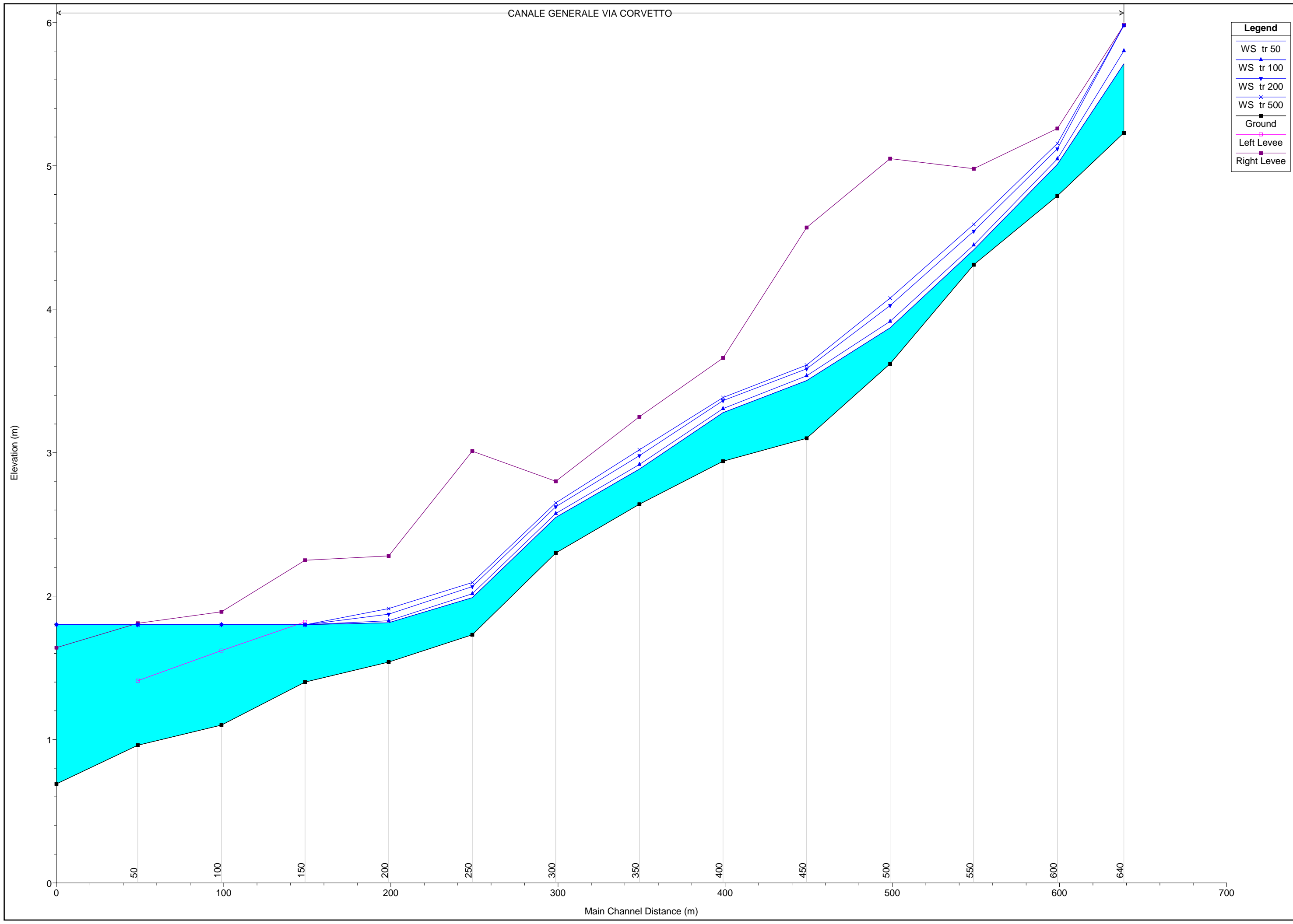
CANALE GENERALE PARTE ALTA



Legend

- WS tr 500
- WS tr 200
- WS tr 50
- WS tr 100
- Ground
- Left Levee
- Right Levee

CANALE GENERALE VIA CORVETTO



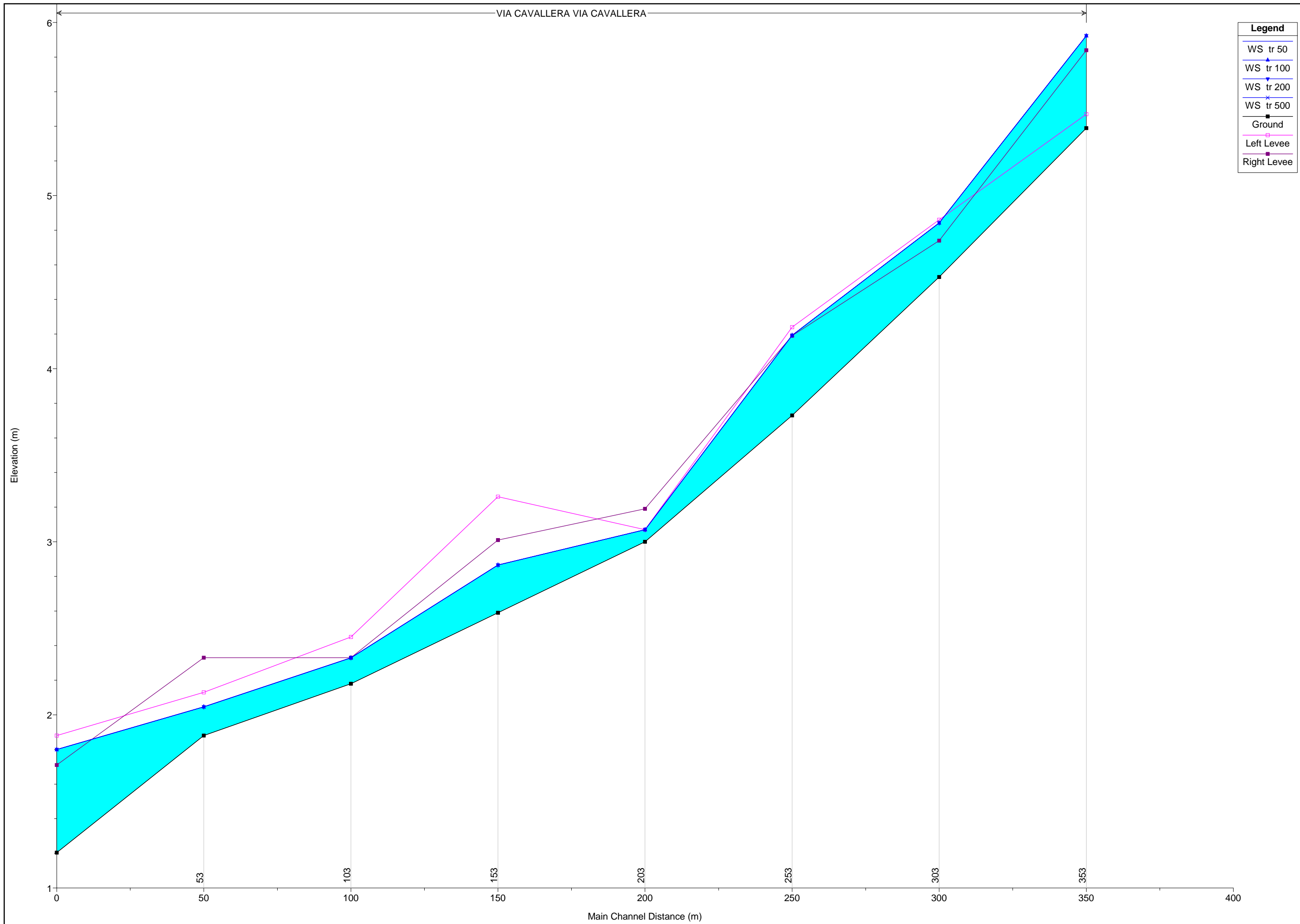
Legend

- WS tr 50
- WS tr 100
- WS tr 200
- WS tr 500
- Ground
- Left Levee
- Right Levee

VIA CAVALLERA VIA CAVALLERA

Legend

- WS tr 50
- WS tr 100
- WS tr 200
- WS tr 500
- Ground
- Left Levee
- Right Levee



A) \ # ' ' - PARTE 3

Risultati della modellazione idraulica

CANALE2 - DEL GENERALE

Tabelle

STUDIO DI COMPATIBILITA' GEOLOGICA, GEOTECNICA E IDRAULICA
 Tempo di ritorno 50 anni

River	Reach	SEZIONI HEC RAS	Progr. (m)	Parz. (m)	Q (m ³ /s)	P.L. (m)	Fondo alveo (m)	y _{max} (m)	H (m)	v (m/s)	A (m ²)	b (m)	Fr
VIA CAVALLERA	VIA CAVALLERA	153	150	50	14	2.87	2.59	0.28	2.94	1.36	11.46	74.73	1.02
VIA CAVALLERA	VIA CAVALLERA	103	100	50	14	2.33	2.18	0.15	2.33	0.02	194.82	382.45	0.02
VIA CAVALLERA	VIA CAVALLERA	53	50	50	14	2.05	1.88	0.17	2.14	0.7	11.04	60.08	0.73
VIA CAVALLERA	VIA CAVALLERA	3			14	1.8	1.2	0.6	1.8	0.02	373.95	383.76	0.01

Q = Portata
 P.L. = Quota pelo libero
 y_{max} = Battente idrico massimo
 H = Livello energetico
 v = Velocità media della corrente
 A = Sezione bagnata
 b = Larghezza della sezione bagnata
 Fr = Numero di Froude

STUDIO DI COMPATIBILITA' GEOLOGICA, GEOTECNICA E IDRAULICA
 Tempo di ritorno 100 anni

River	Reach	SEZIONI HEC RAS	Progr. (m)	Parz. (m)	Q (m ³ /s)	P.L. (m)	Fondo alveo (m)	y _{max} (m)	H (m)	v (m/s)	A (m ²)	b (m)	Fr
VIA CAVALLERA	VIA CAVALLERA	153	150	50	14	2.87	2.59	0.28	2.94	1.36	11.46	74.73	1.02
VIA CAVALLERA	VIA CAVALLERA	103	100	50	14	2.33	2.18	0.15	2.33	0.02	194.82	382.45	0.02
VIA CAVALLERA	VIA CAVALLERA	53	50	50	14	2.05	1.88	0.17	2.14	0.7	11.04	60.08	0.73
VIA CAVALLERA	VIA CAVALLERA	3			14	1.8	1.2	0.6	1.8	0.02	373.95	383.76	0.01

Q = Portata
 P.L. = Quota pelo libero
 y_{max}= Battente idrico massimo
 H = Livello energetico
 v = Velocità media della corrente
 A = Sezione bagnata
 b = Larghezza della sezione bagnata
 Fr = Numero di Froude

STUDIO DI COMPATIBILITA' GEOLOGICA, GEOTECNICA E IDRAULICA
 Tempo di ritorno 200 anni

River	Reach	SEZIONI HEC RAS	Progr. (m)	Parz. (m)	Q (m3/s)	P.L. (m)	Fondo alveo (m)	y_{max} (m)	H (m)	v (m/s)	A (m2)	b (m)	Fr
VIA CAVALLERA	VIA CAVALLERA	153	150	50	14	2.87	2.59	0.28	2.94	1.36	11.46	74.73	1.02
VIA CAVALLERA	VIA CAVALLERA	103	100	50	14	2.33	2.18	0.15	2.33	0.02	194.82	382.45	0.02
VIA CAVALLERA	VIA CAVALLERA	53	50	50	14	2.05	1.88	0.17	2.14	0.7	11.04	60.08	0.73
VIA CAVALLERA	VIA CAVALLERA	3			14	1.8	1.2	0.6	1.8	0.02	373.95	383.76	0.01

Q = Portata
 P.L. = Quota pelo libero
 y_{max} = Battente idrico massimo
 H = Livello energetico
 v = Velocità media della corrente
 A = Sezione bagnata
 b = Larghezza della sezione bagnata
 Fr = Numero di Froude

STUDIO DI COMPATIBILITA' GEOLOGICA, GEOTECNICA E IDRAULICA
 Tempo di ritorno 500 anni

River	Reach	SEZIONI HEC RAS	Progr. (m)	Parz. (m)	Q (m3/s)	P.L. (m)	Fondo alveo (m)	y_{max} (m)	H (m)	v (m/s)	A (m2)	b (m)	Fr
VIA CAVALLERA	VIA CAVALLERA	153	150	50	14	2.87	2.59	0.28	2.94	1.36	11.46	74.73	1.02
VIA CAVALLERA	VIA CAVALLERA	103	100	50	14	2.33	2.18	0.15	2.33	0.02	194.82	382.45	0.02
VIA CAVALLERA	VIA CAVALLERA	53	50	50	14	2.05	1.88	0.17	2.14	0.7	11.04	60.08	0.73
VIA CAVALLERA	VIA CAVALLERA	3			14	1.8	1.2	0.6	1.8	0.02	373.95	383.76	0.01

Q = Portata
 P.L. = Quota pelo libero
 y_{max} = Battente idrico massimo
 H = Livello energetico
 v = Velocità media della corrente
 A = Sezione bagnata
 b = Larghezza della sezione bagnata
 Fr = Numero di Froude