



PUC 2017 **COMUNE DI CARLOFORTE**

Piano Urbanistico Comunale

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



ORDINE INGEGNERI
PROVINCIA DI CAGLIARI

N.2858
Dot. Ing. MARCELLO ANGIUS

aprile 2017

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

Elaborato A46

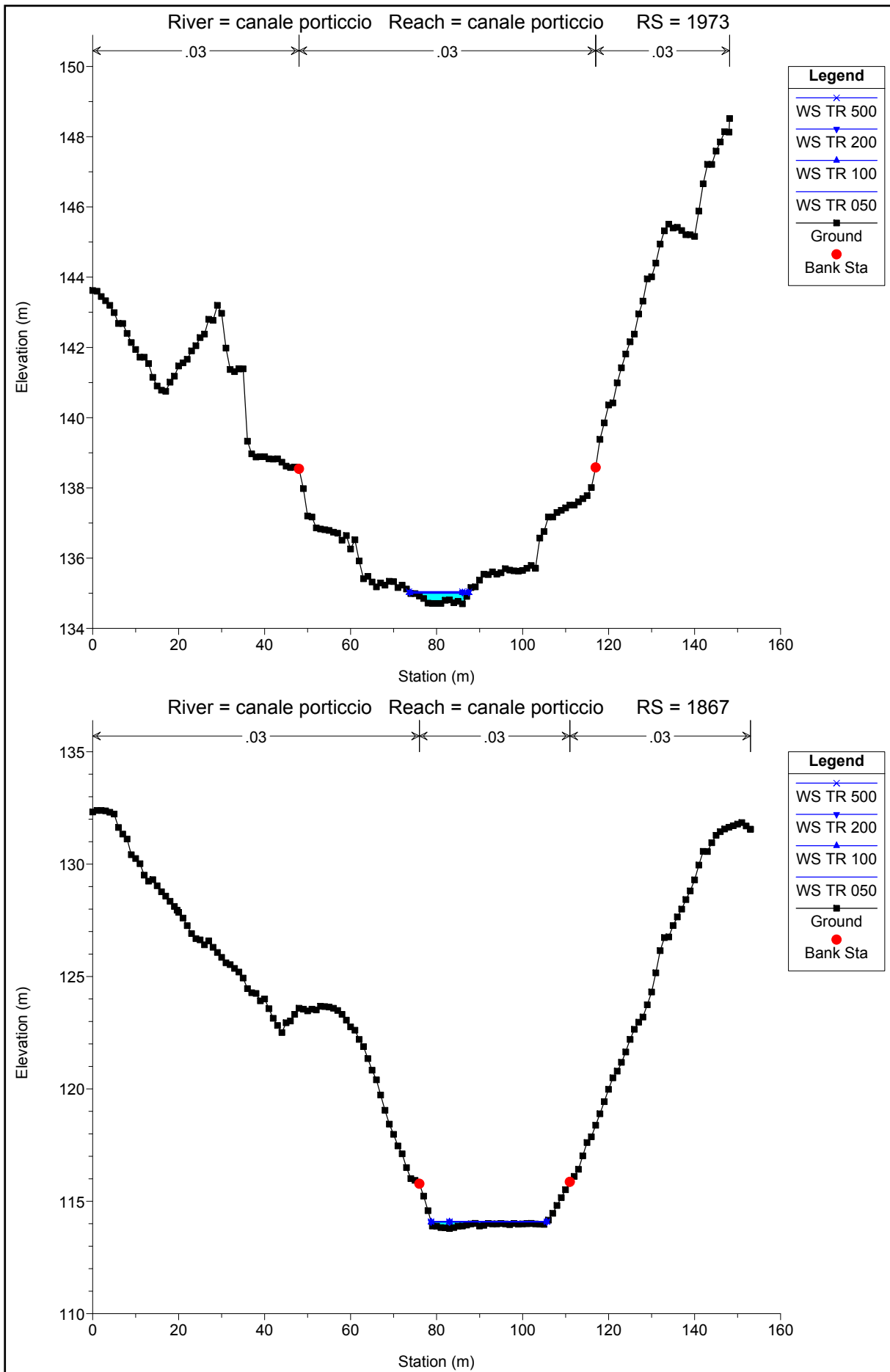
Doc. 12 - Risultati della modellazione idraulica Canale 1 – del Porticciolo Pescatori

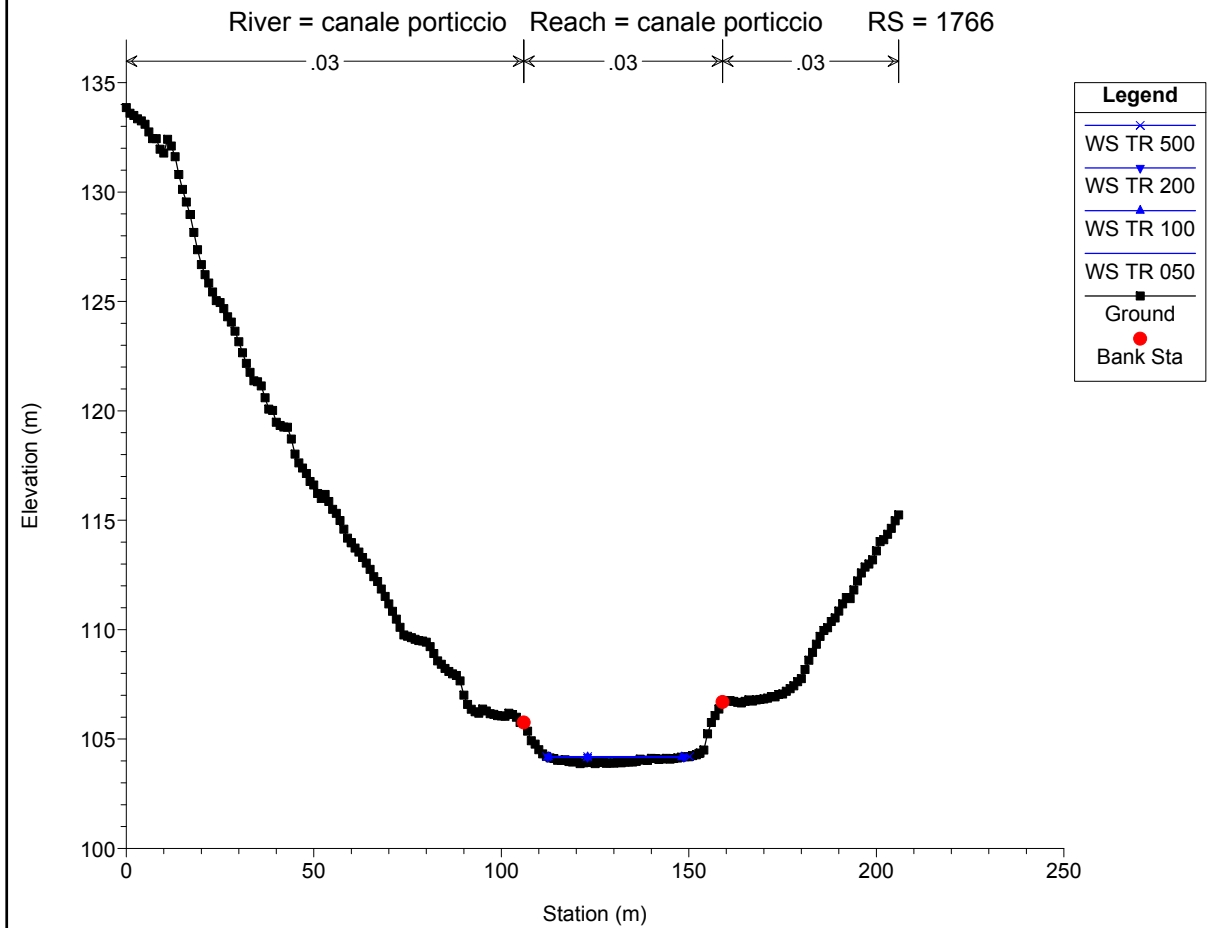
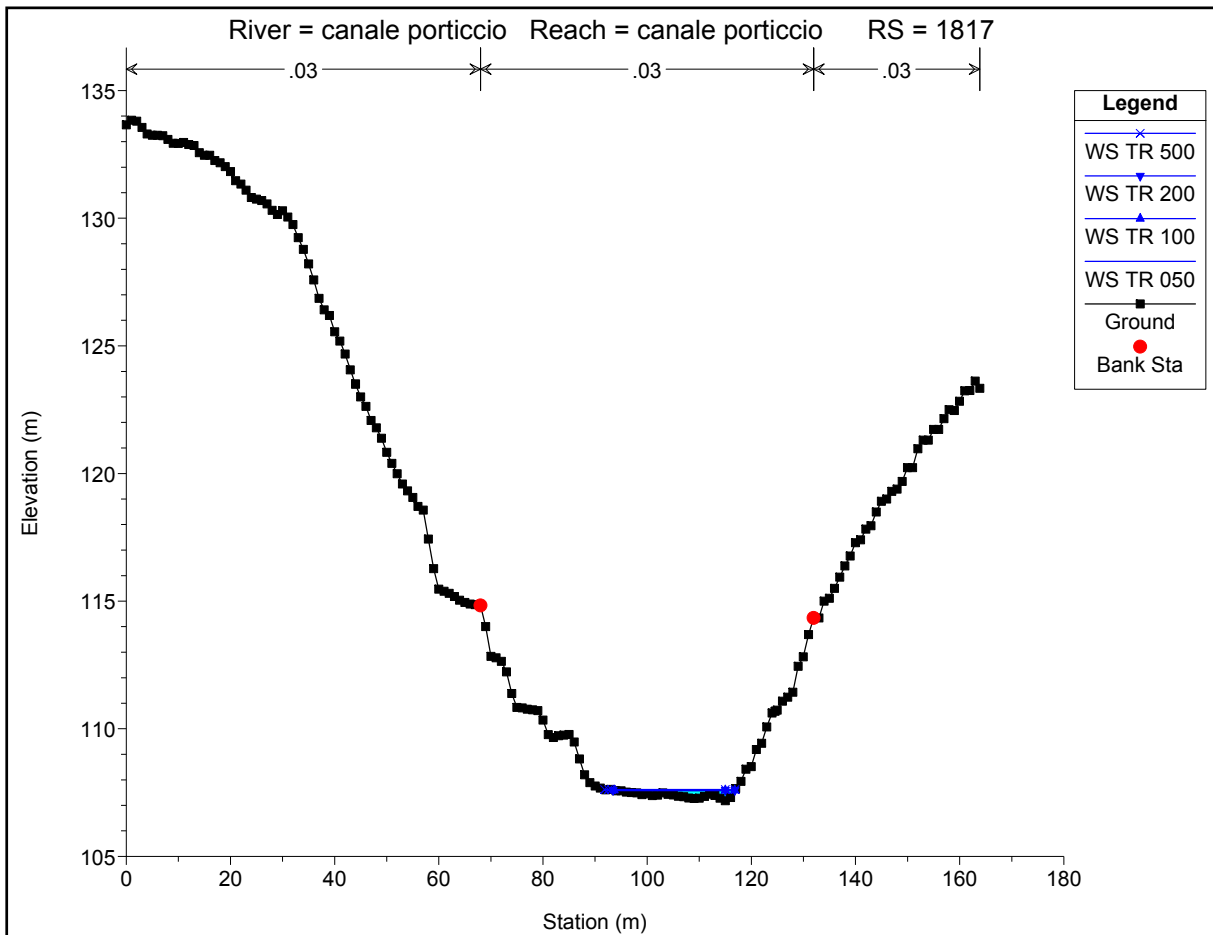
A.) \ # ' - PARTE 1

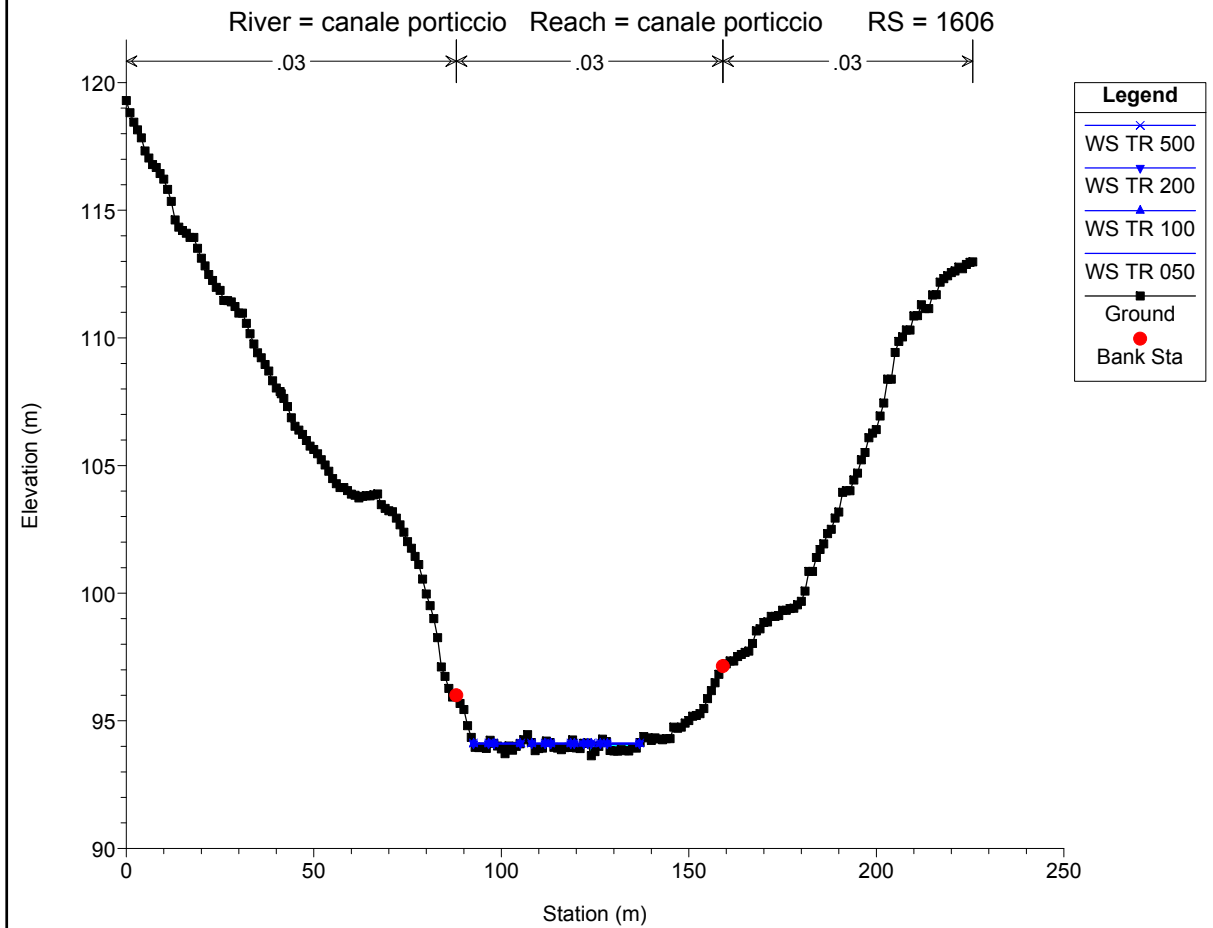
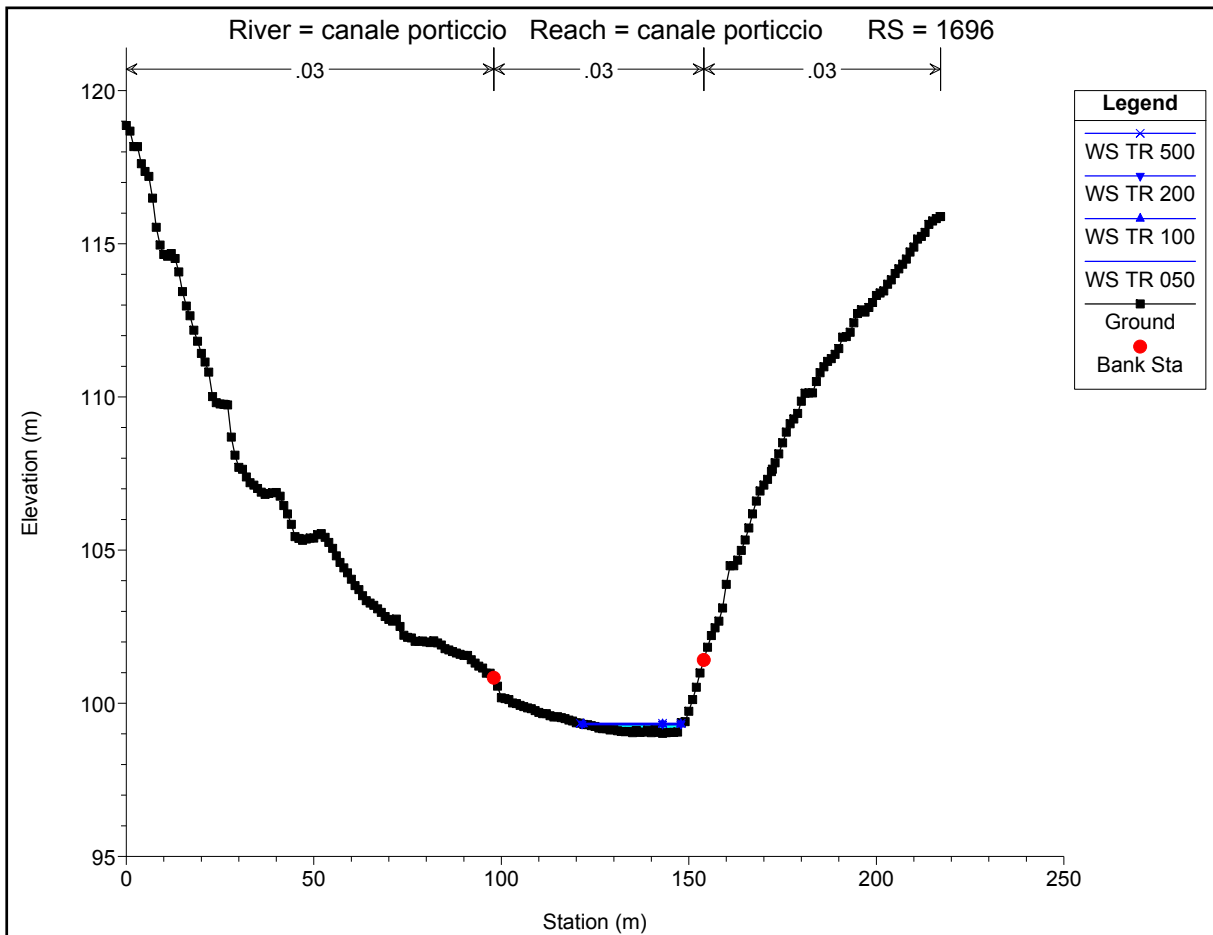
Risultati della modellazione idraulica

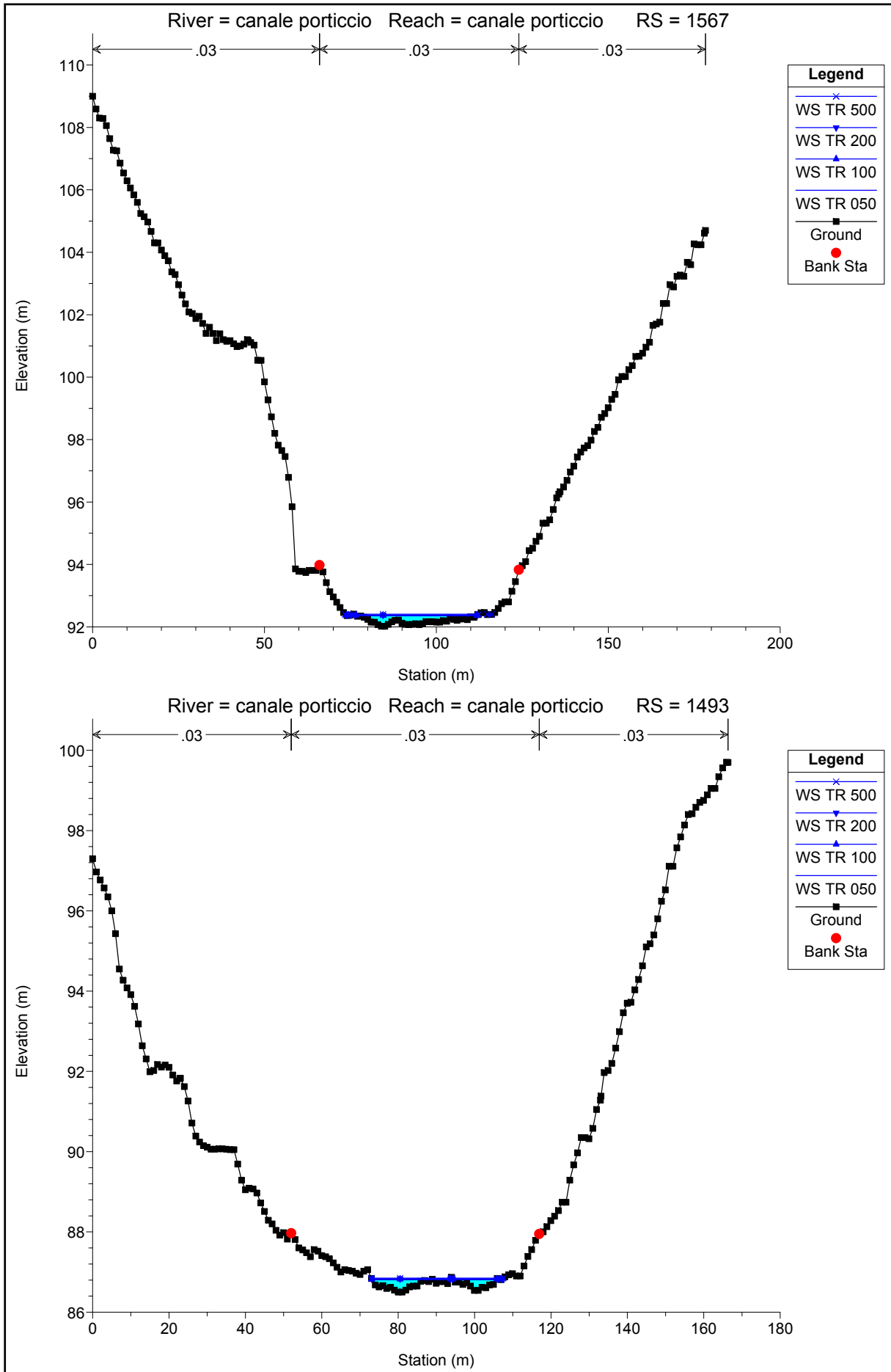
CANALE1 - DEL PORTICCIOLO PESCATORI

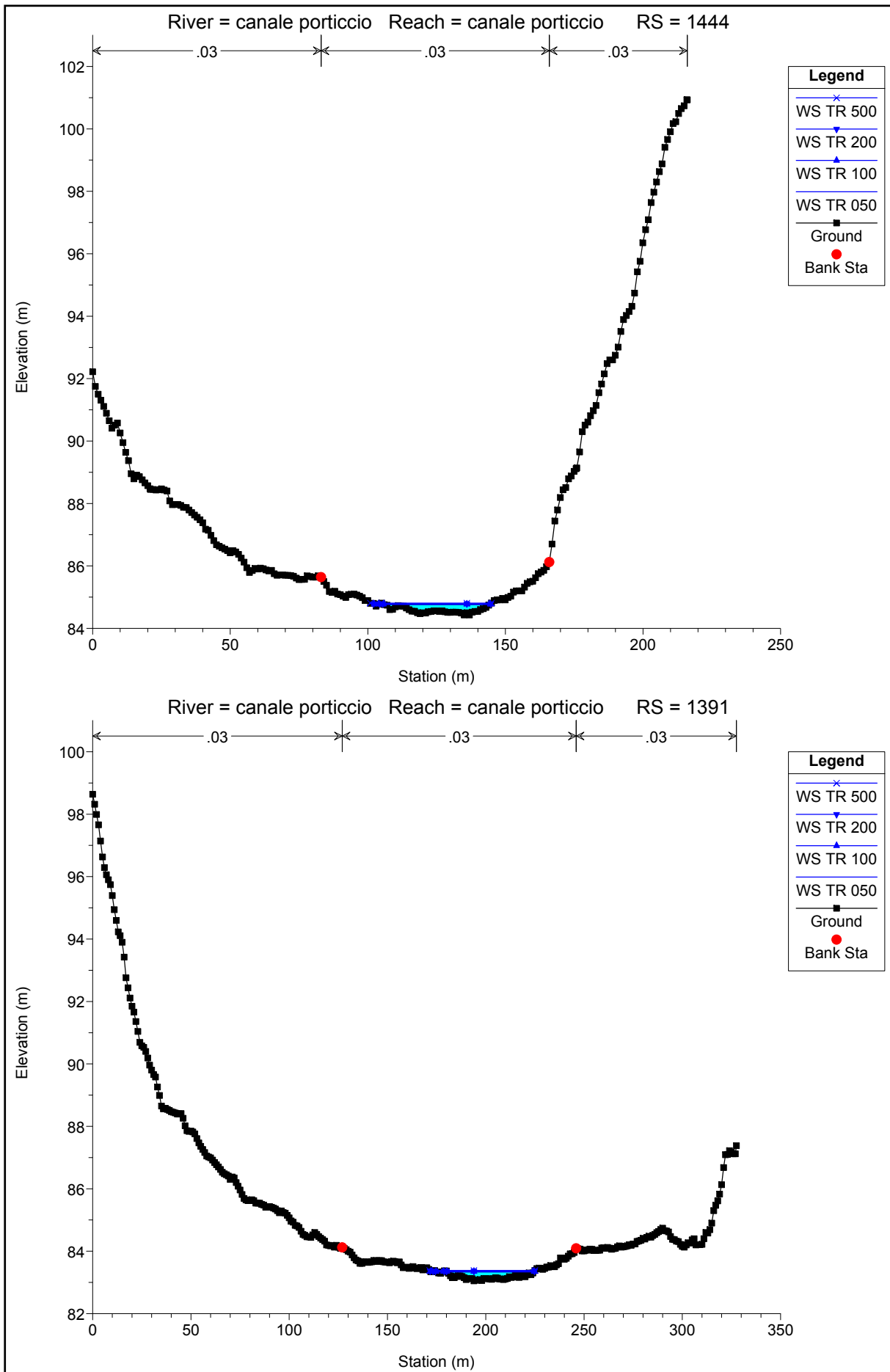
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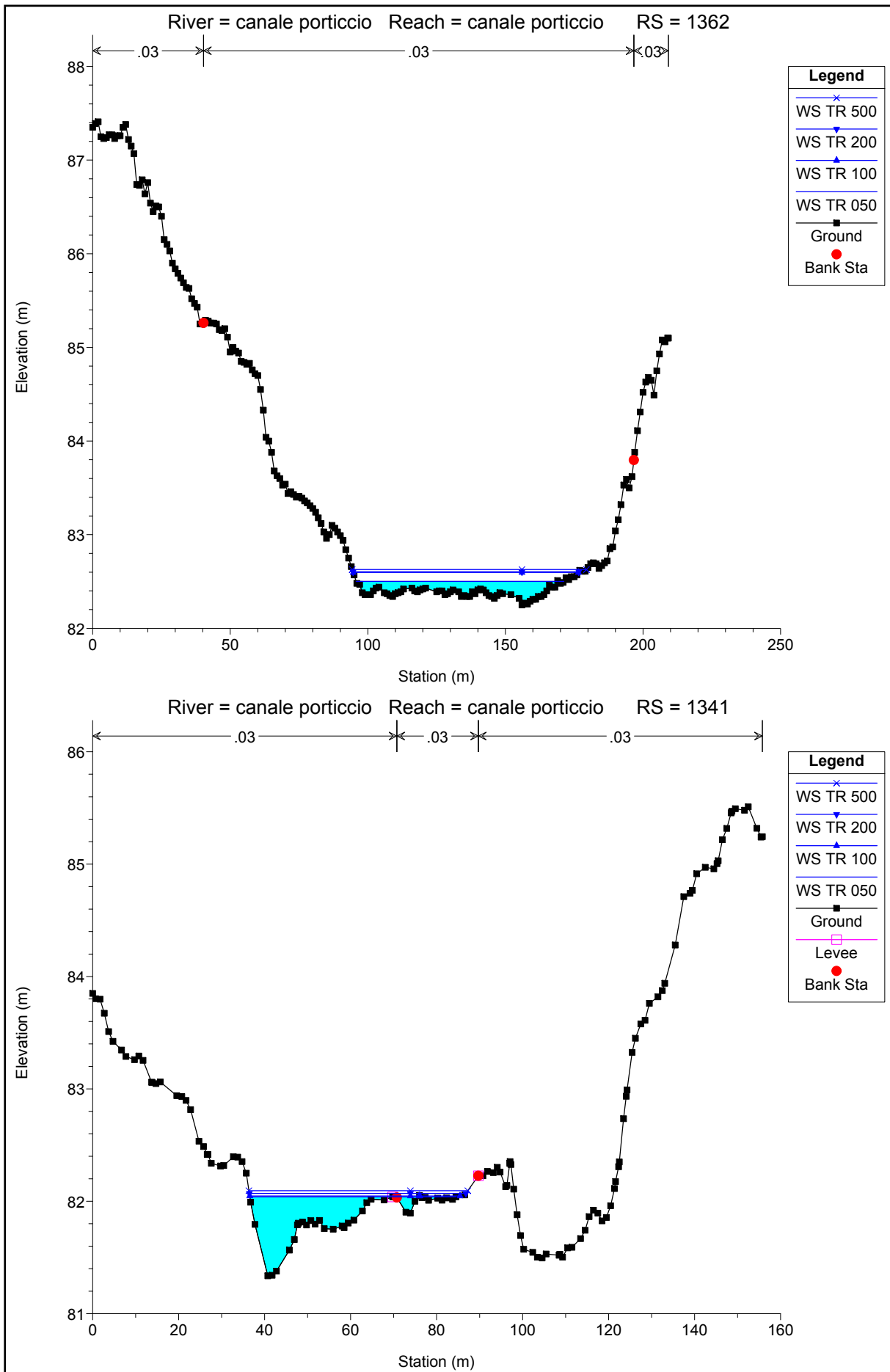


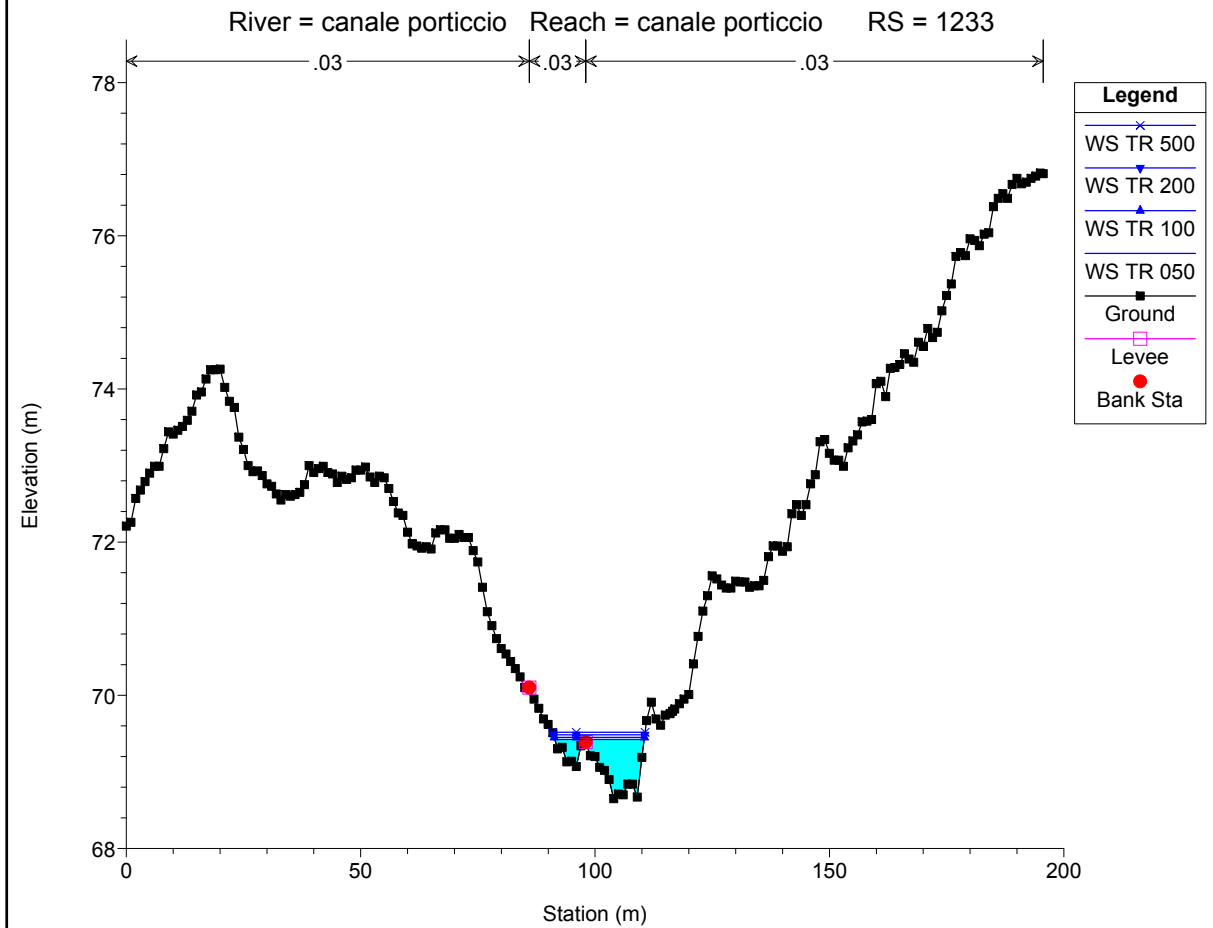
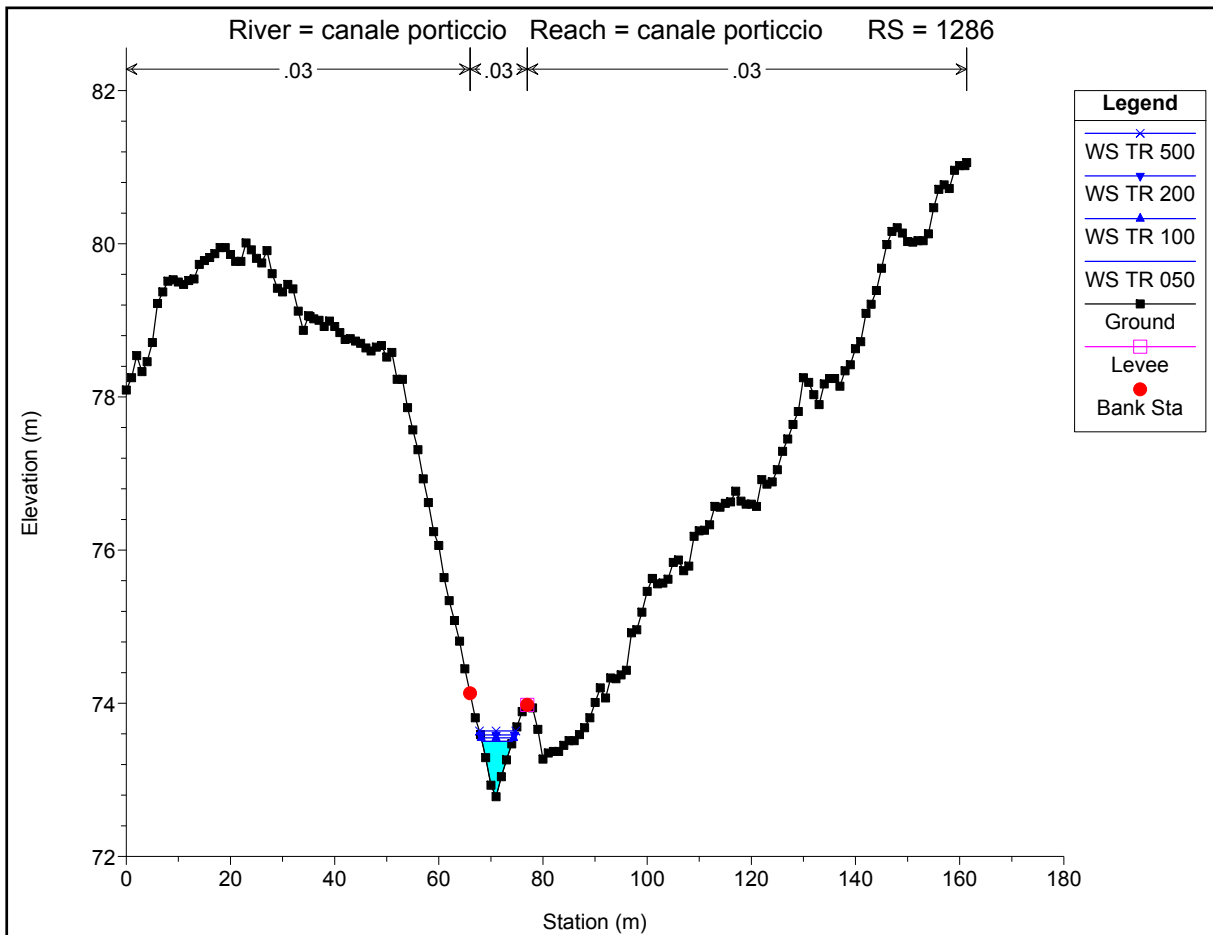


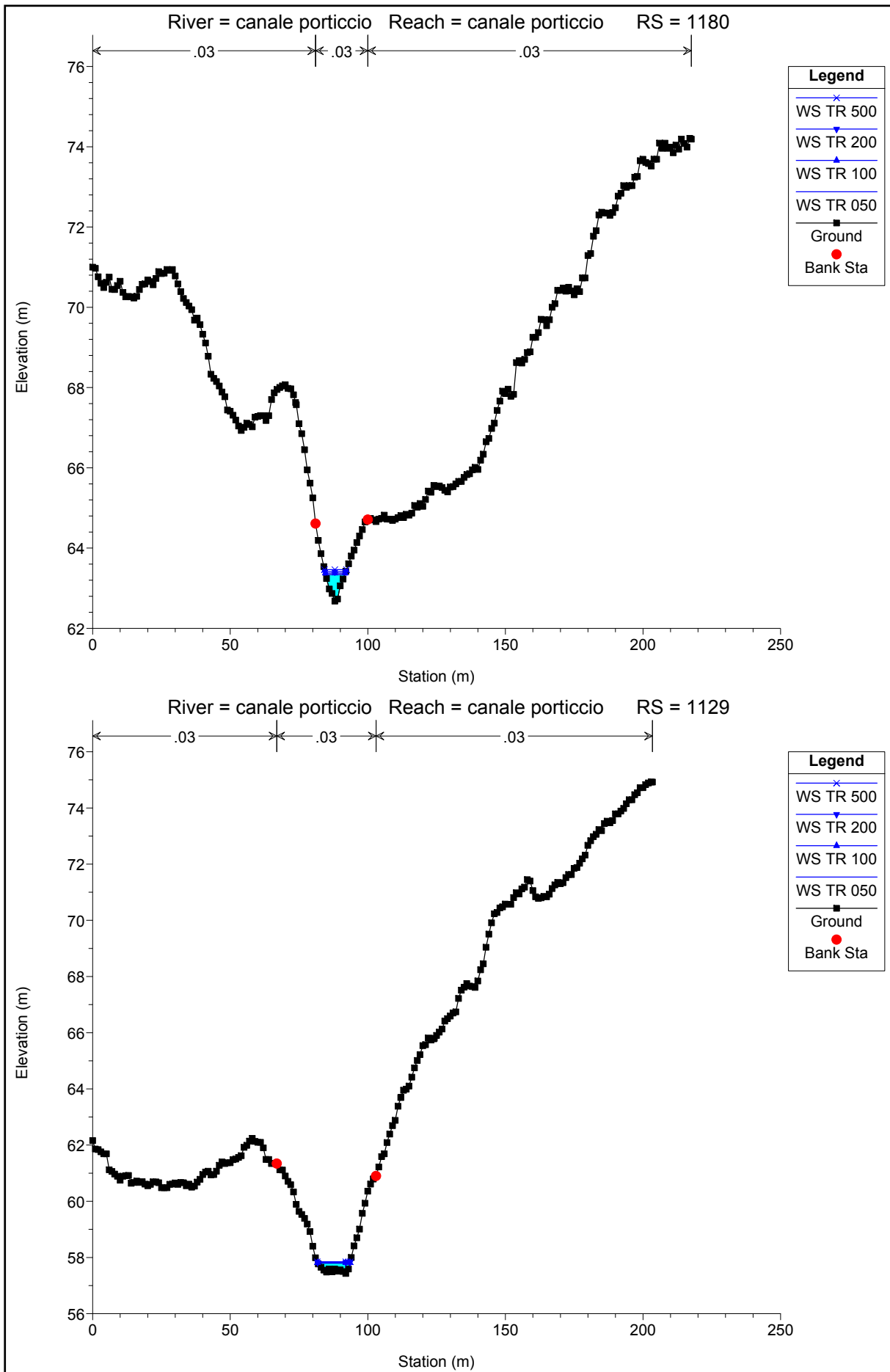


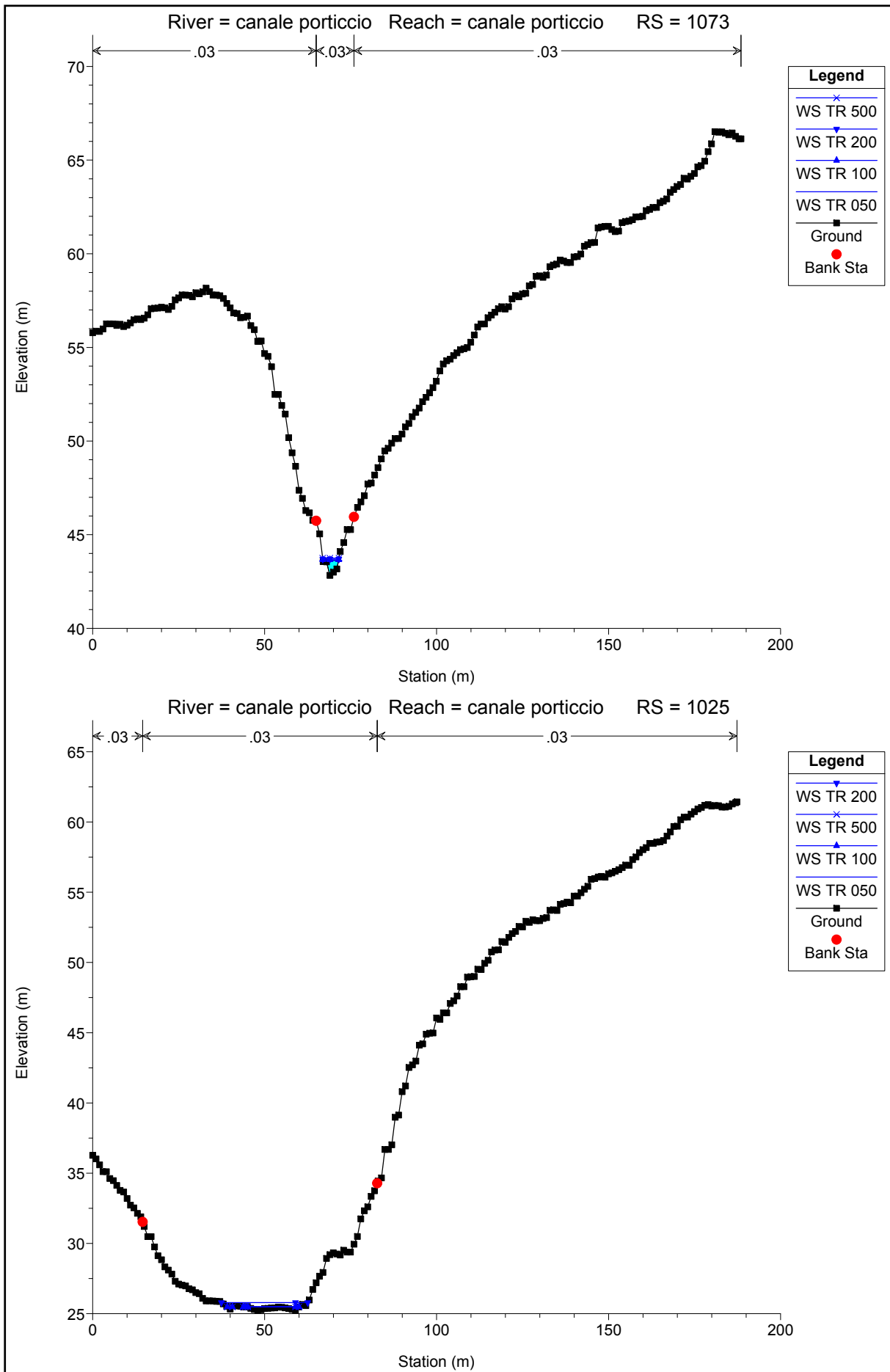


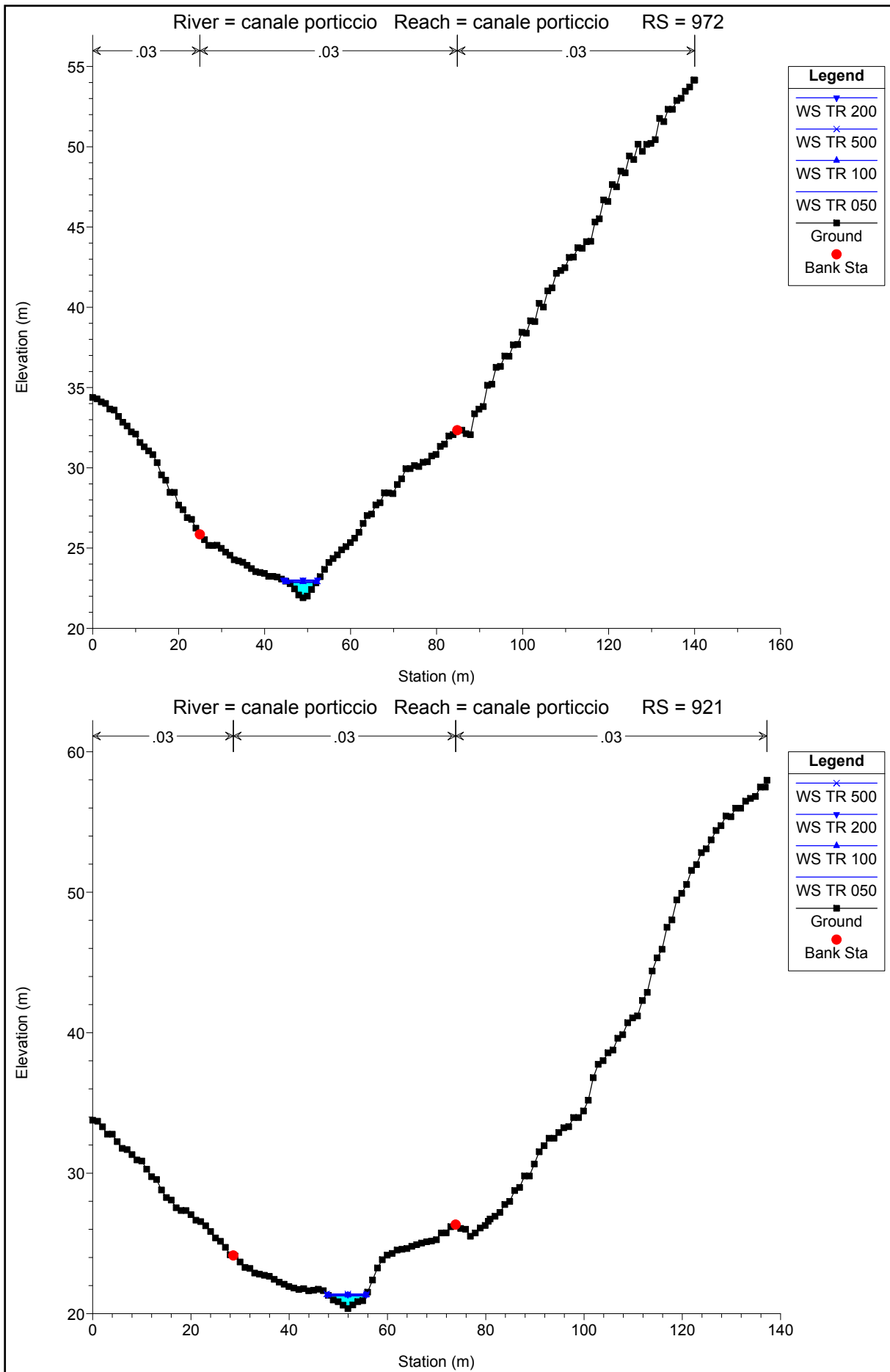


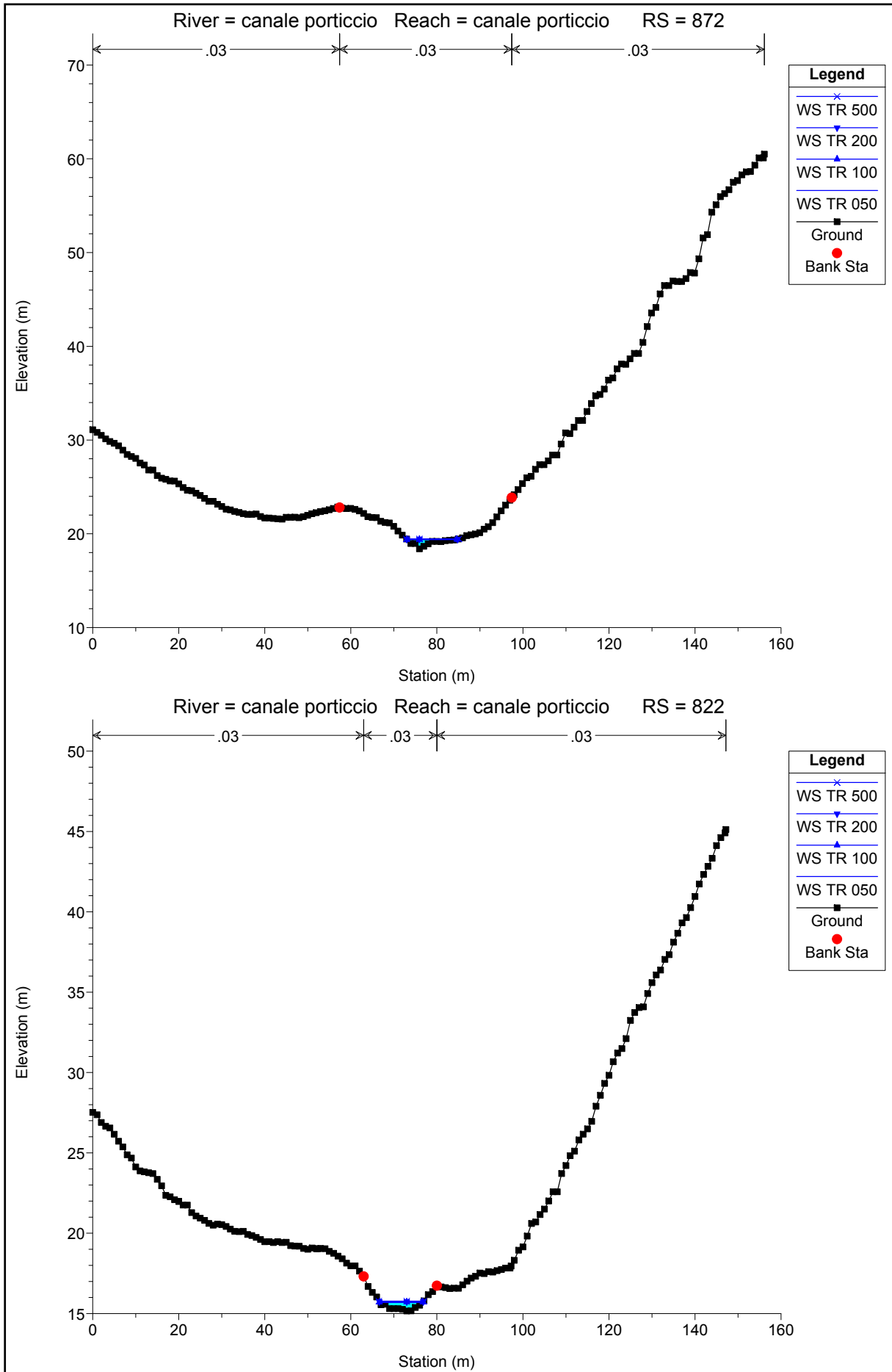


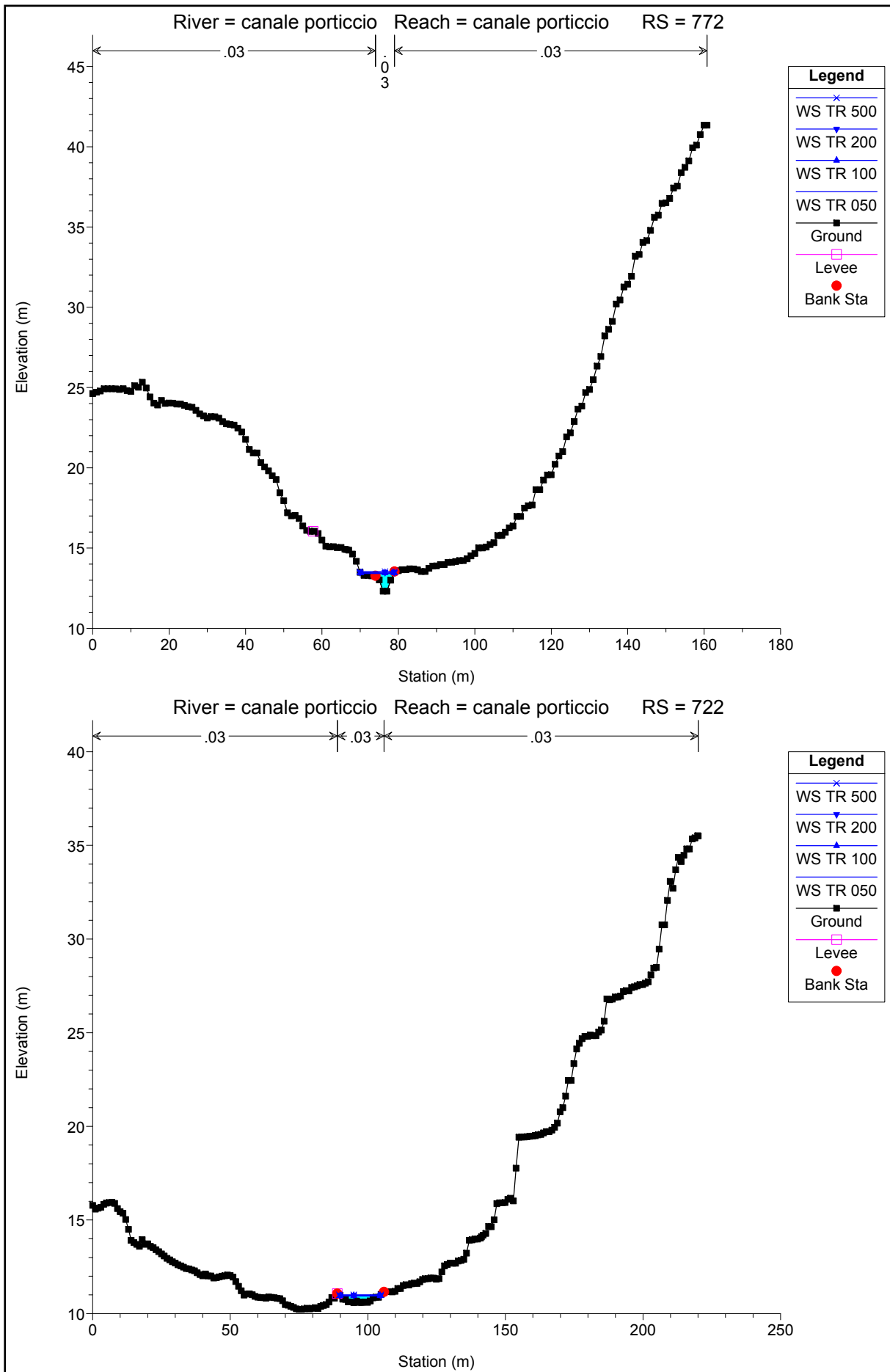


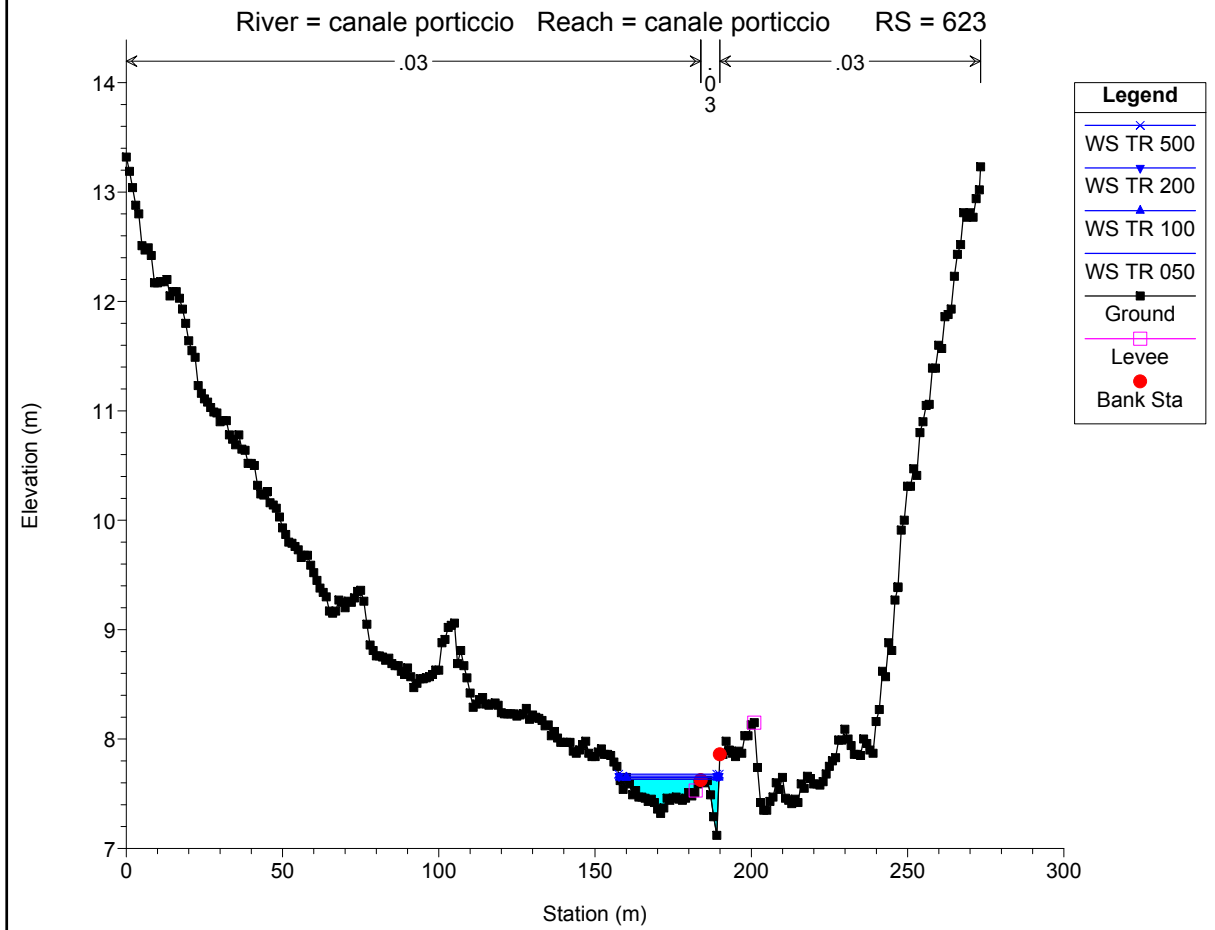
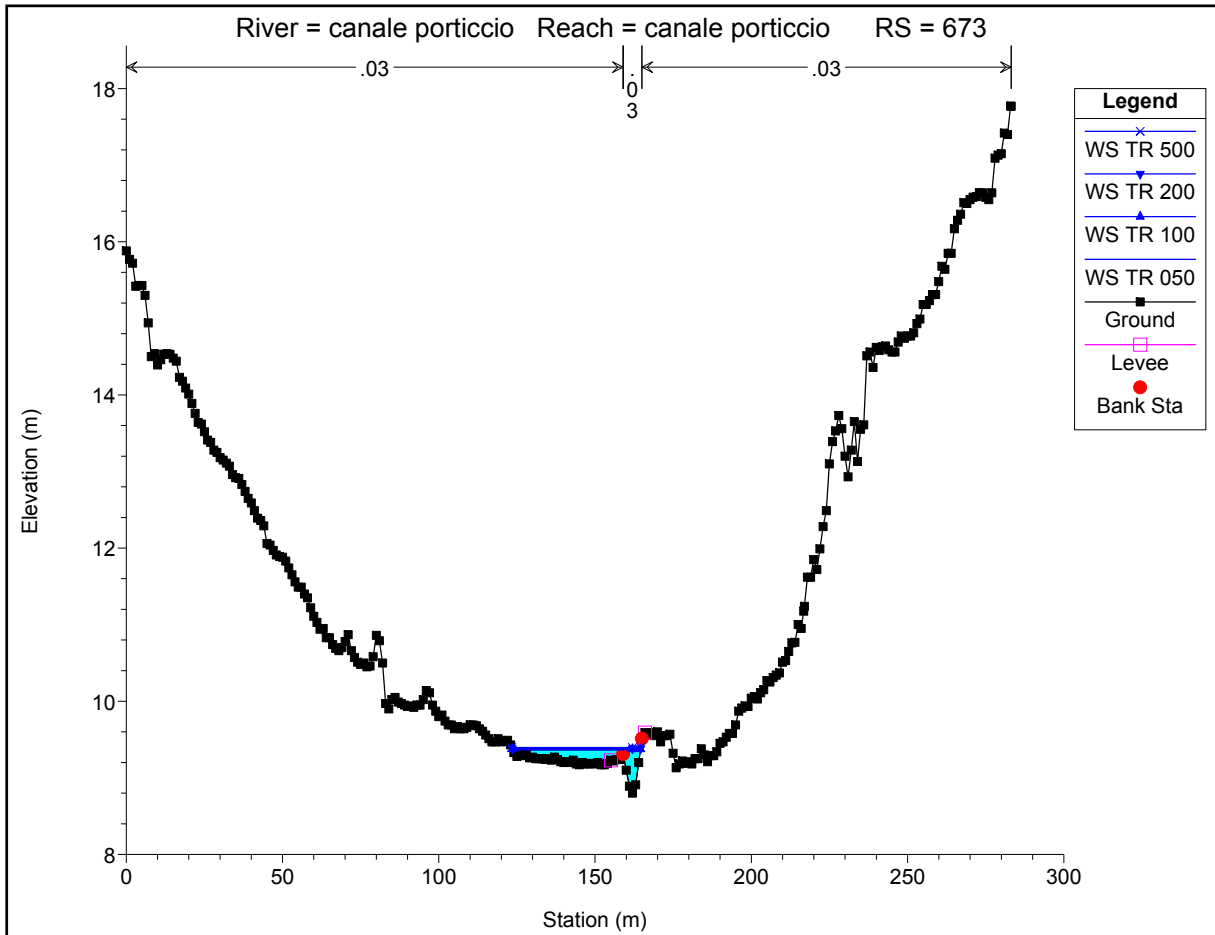


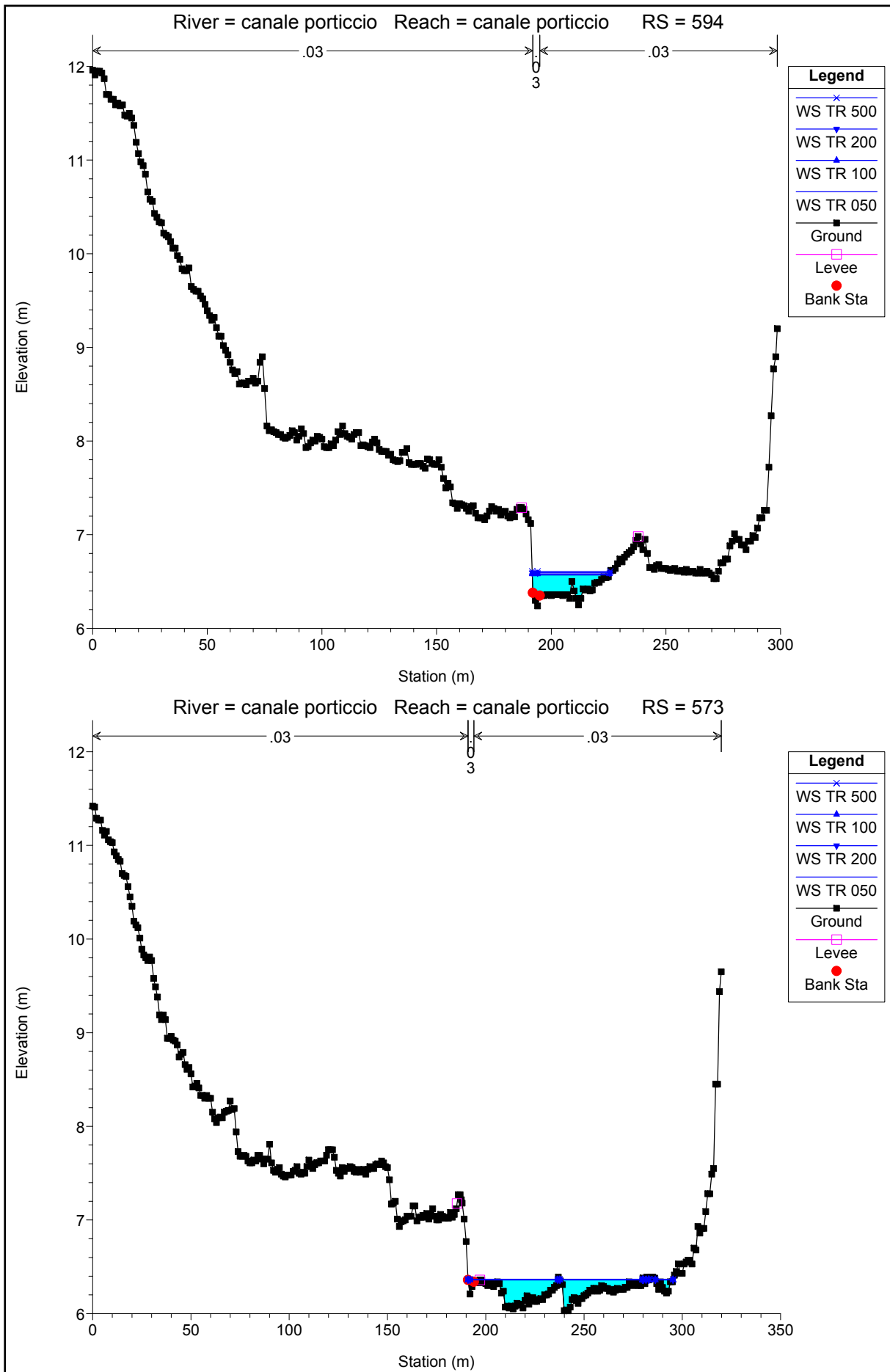


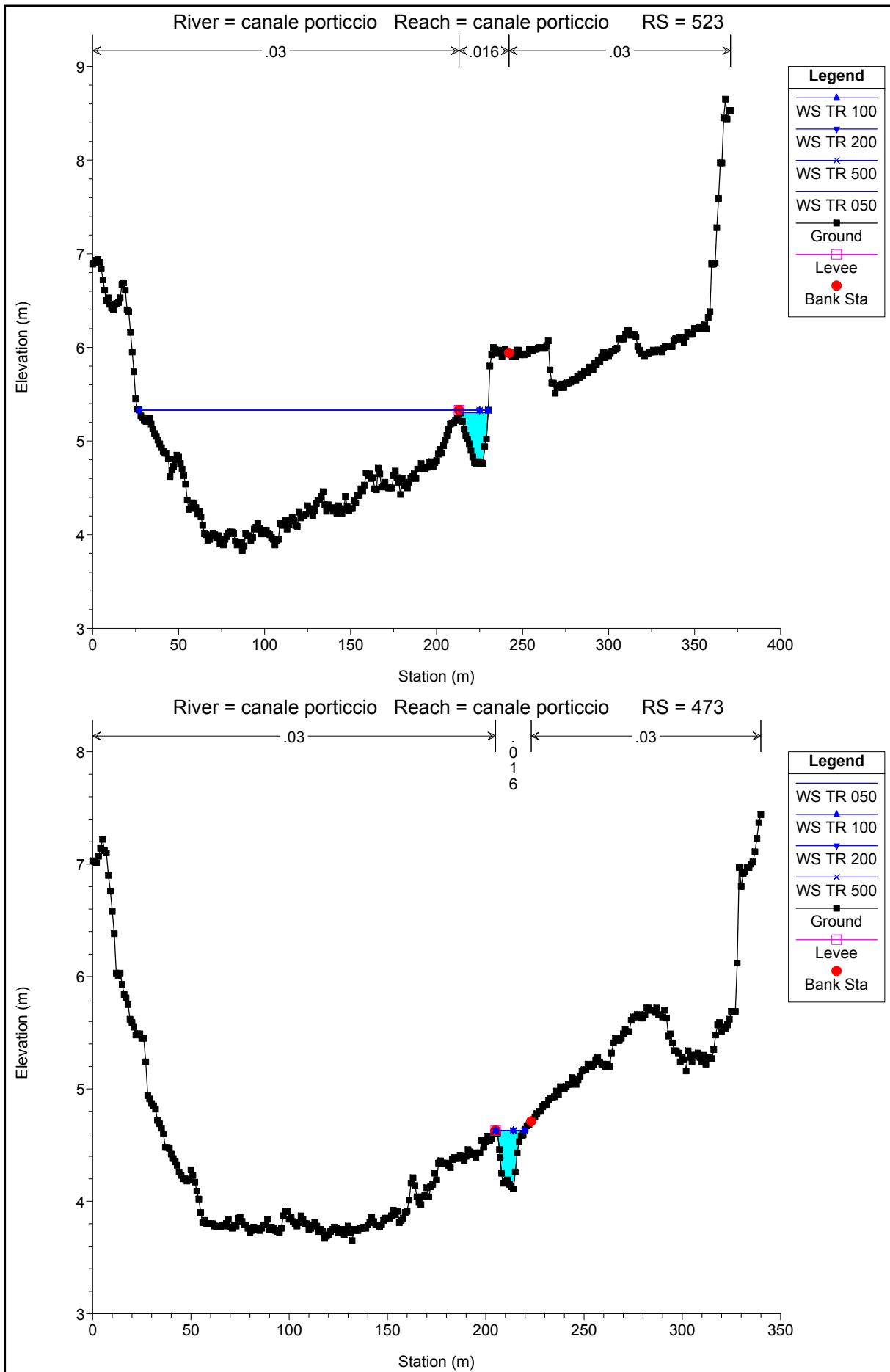


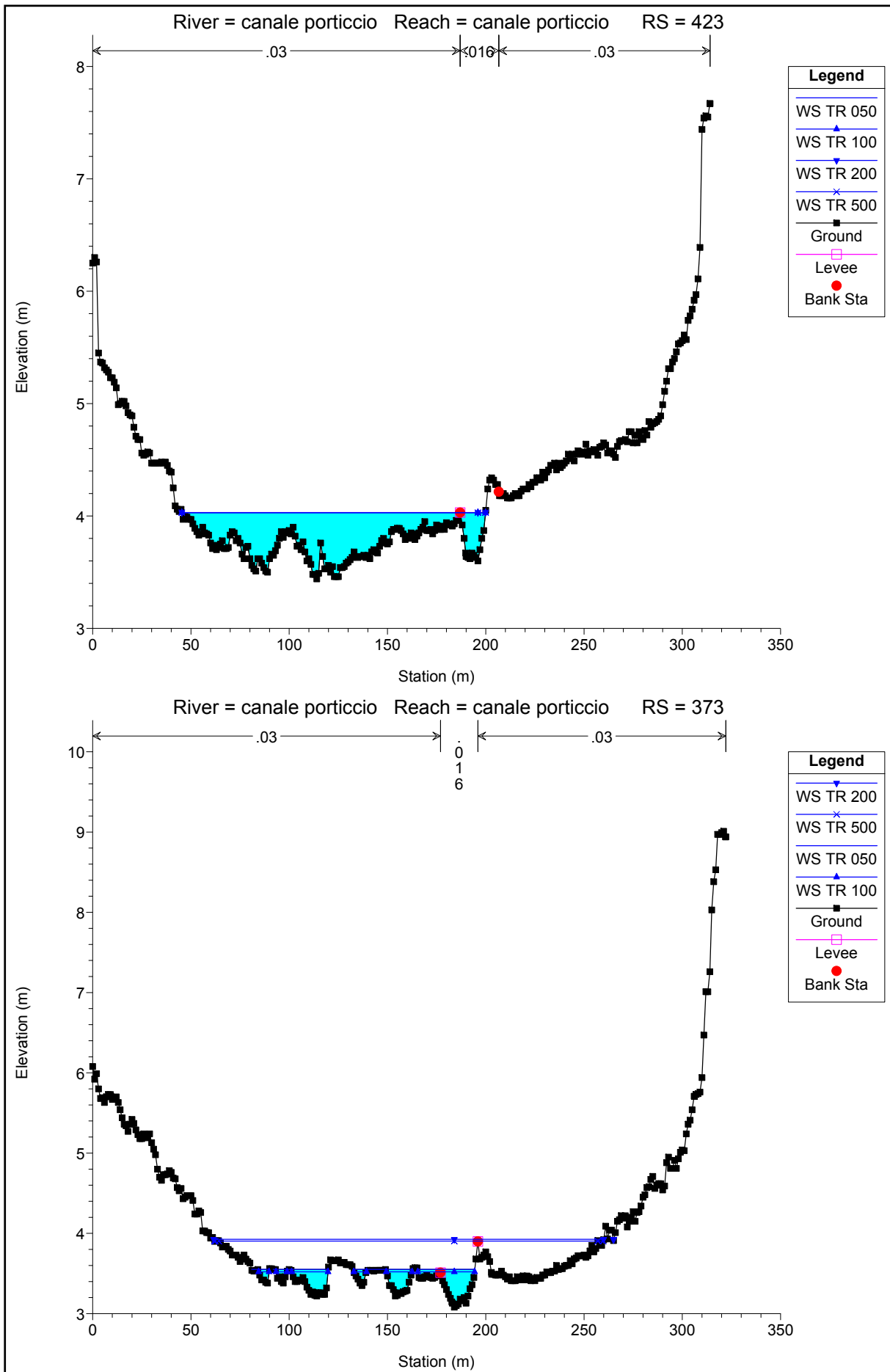


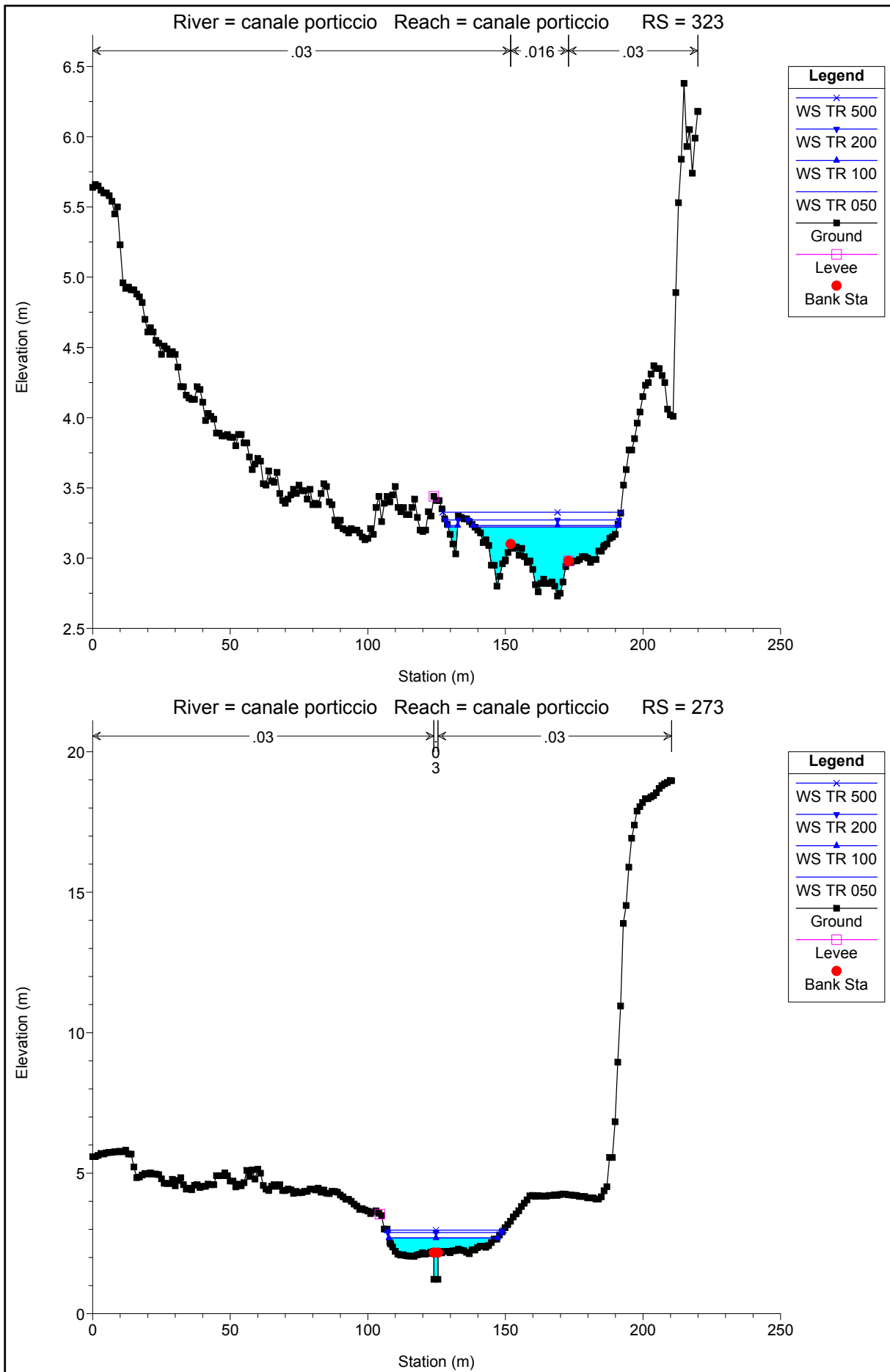


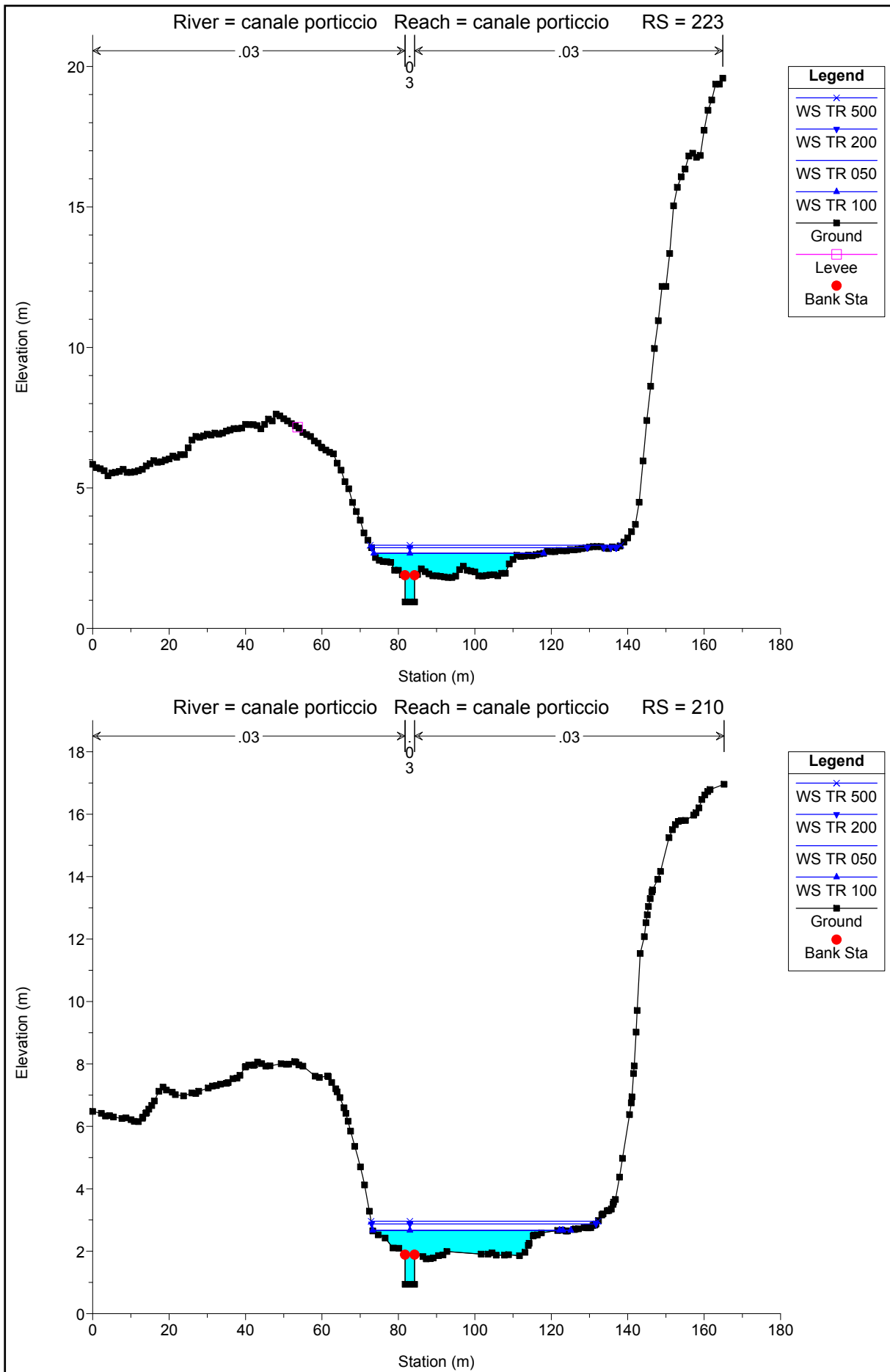


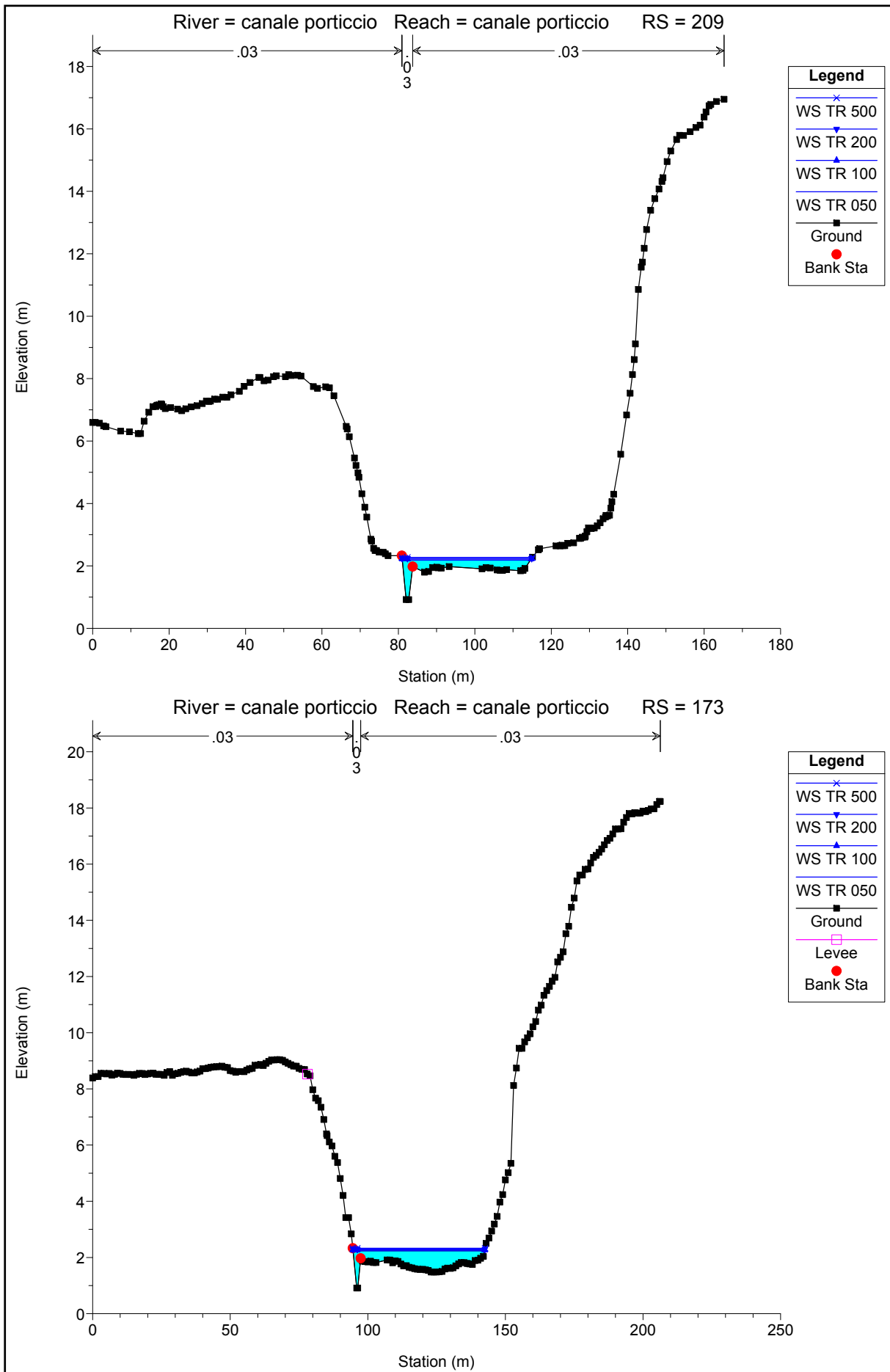


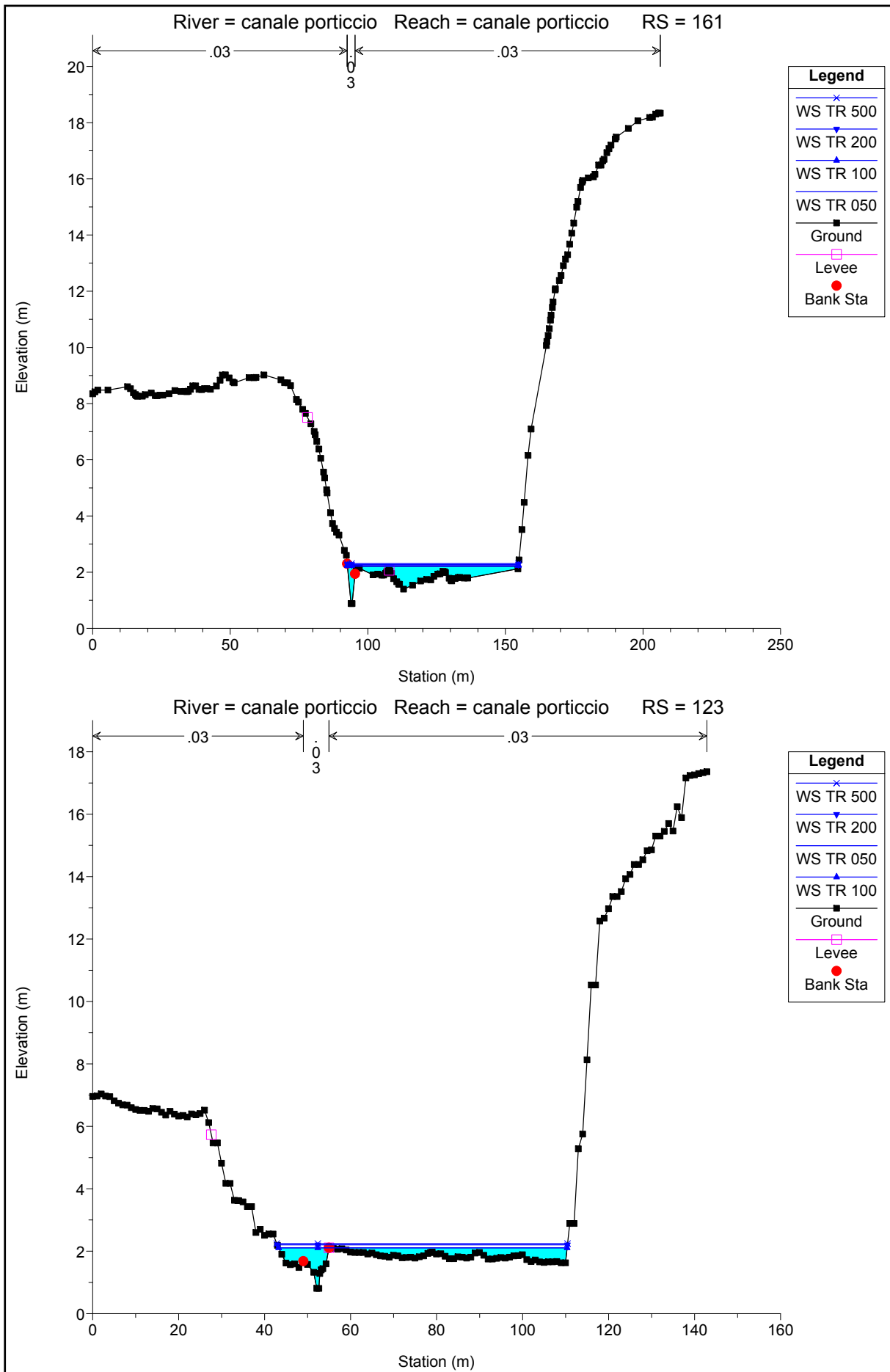


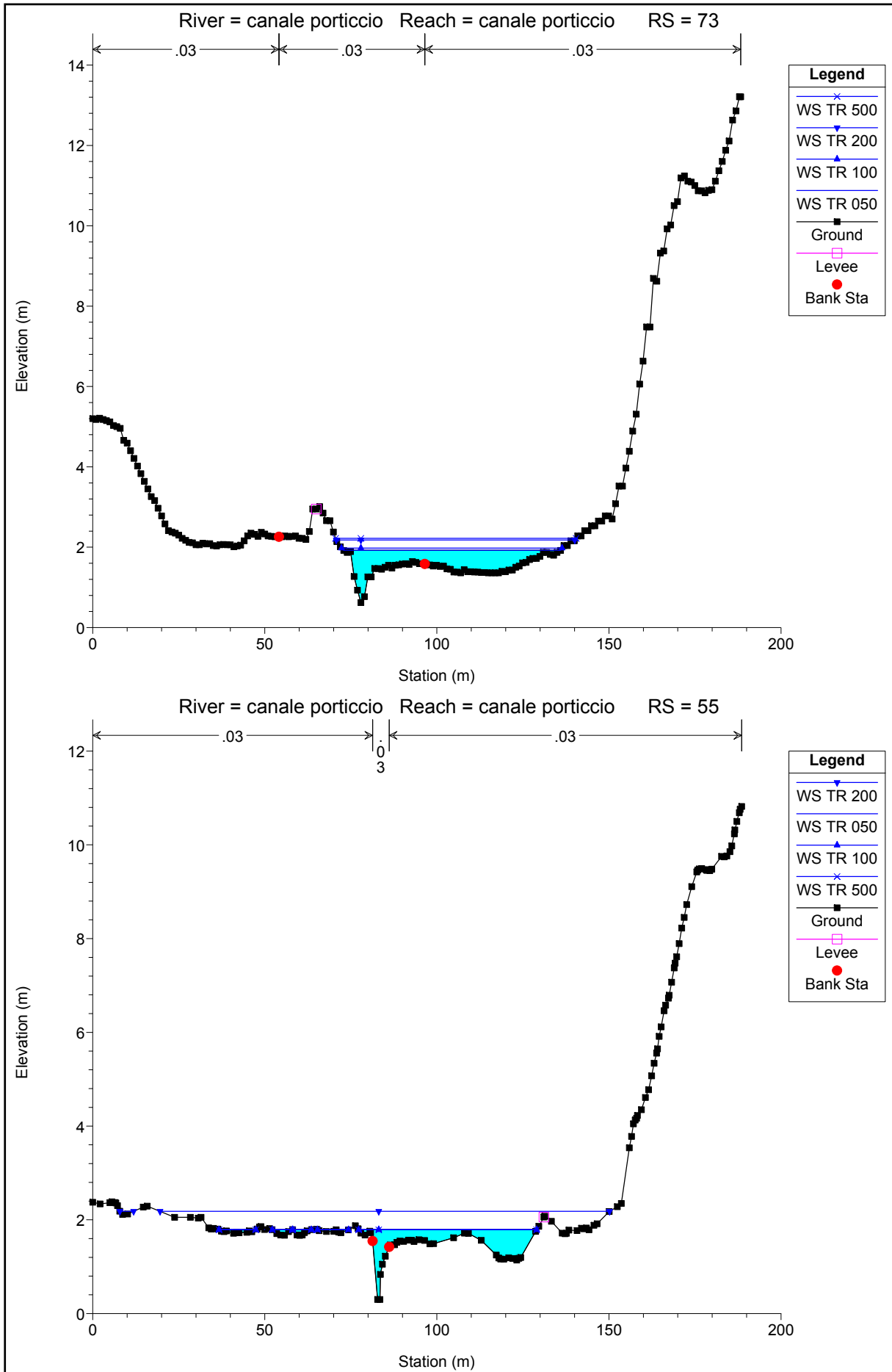


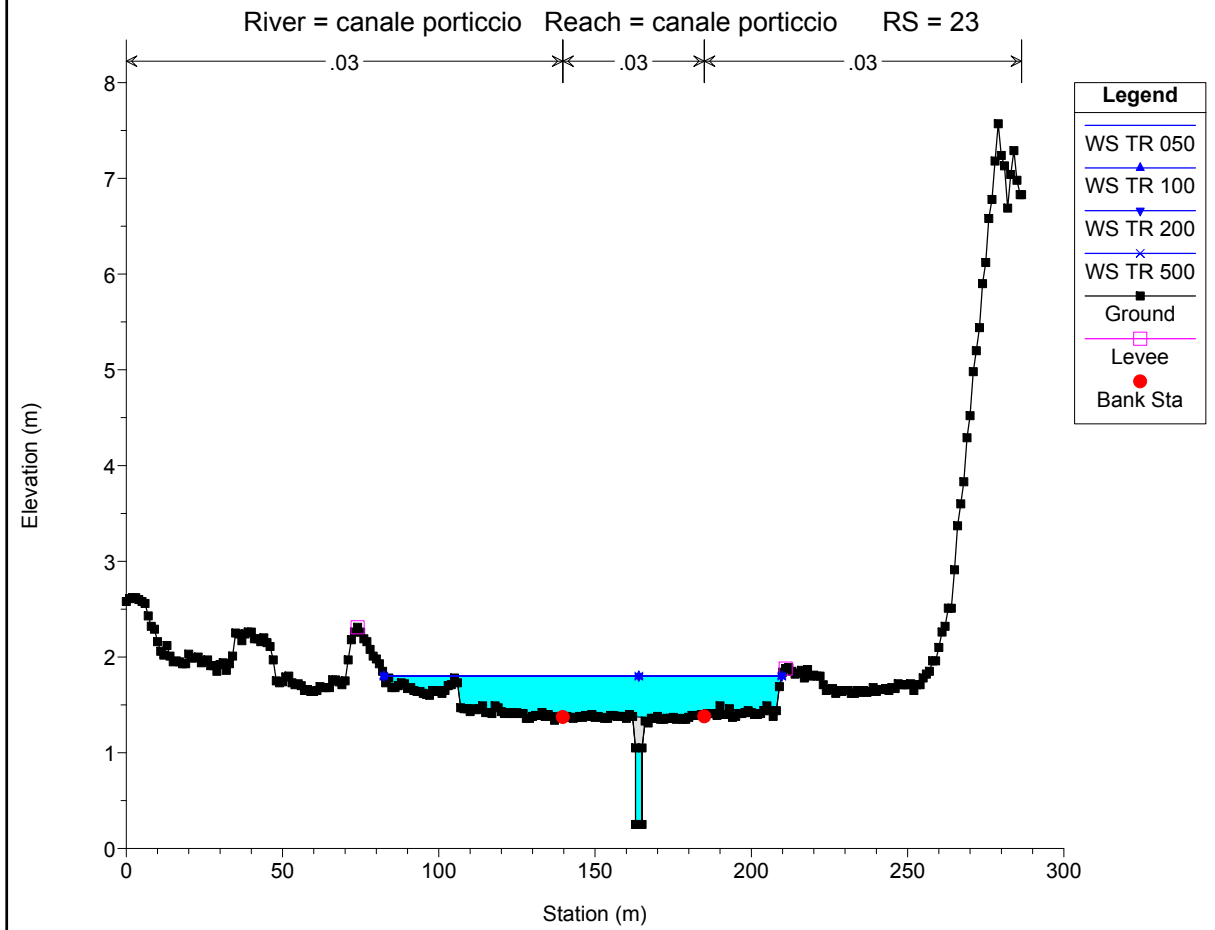
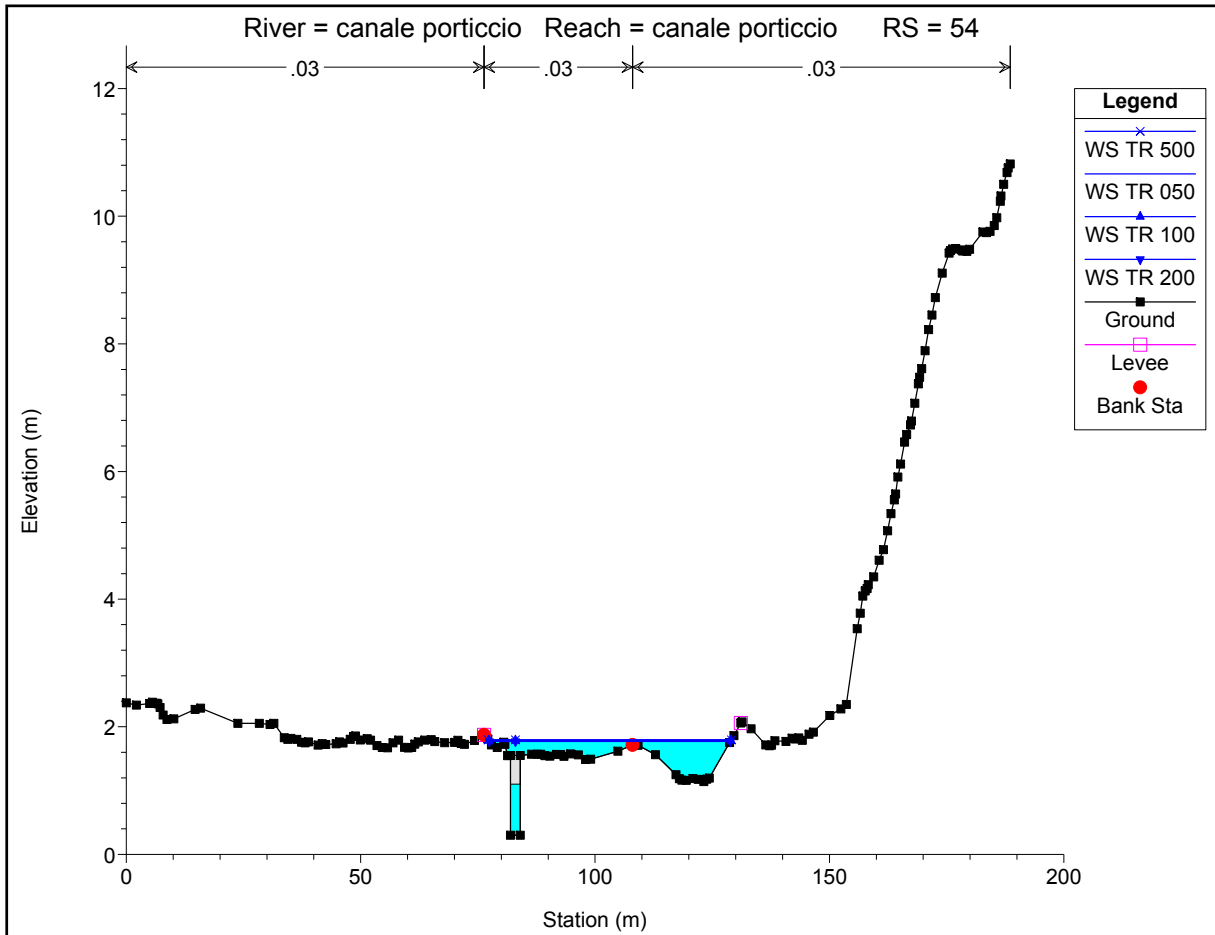










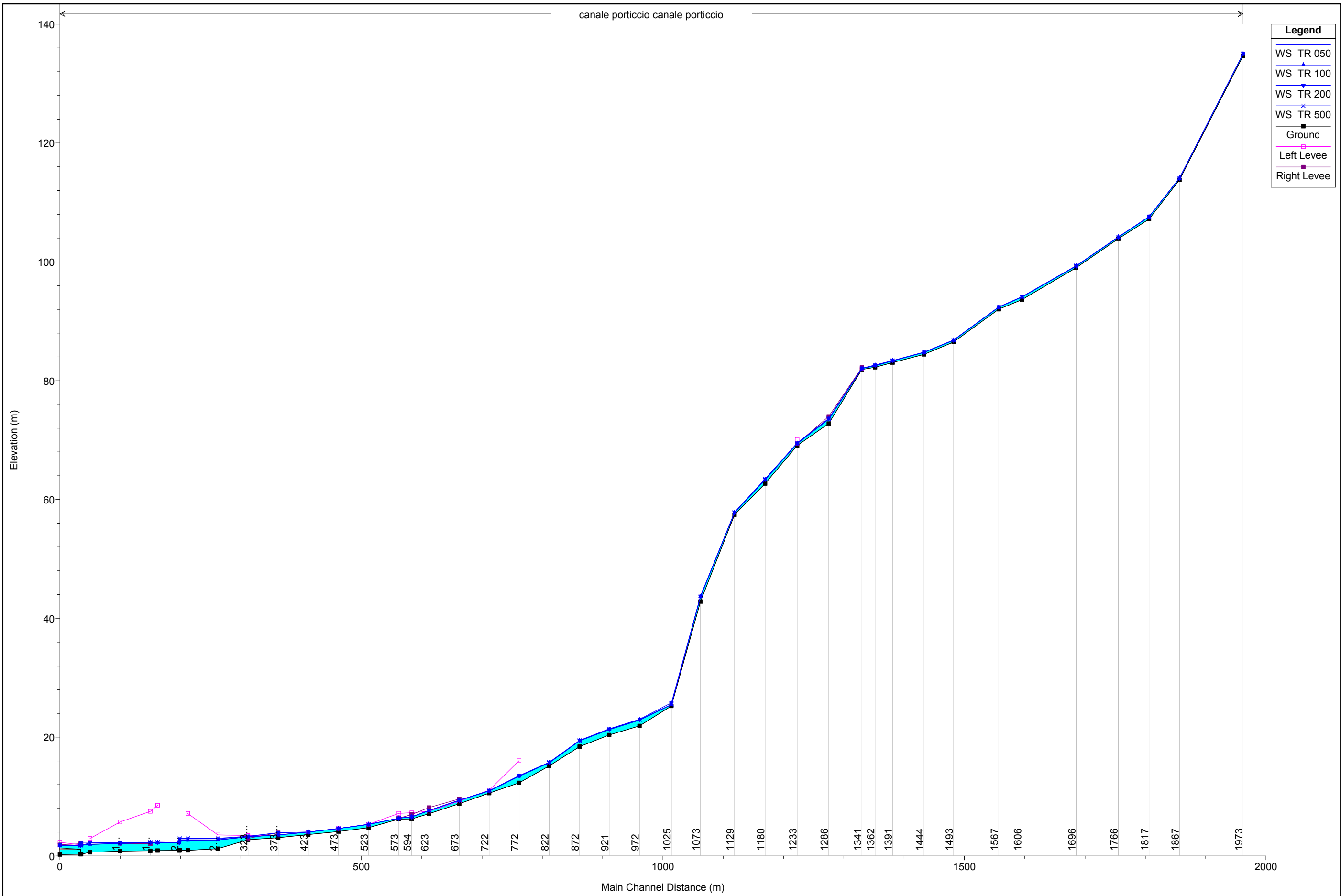


A) \ #1 ' - PARTE 2

Risultati della modellazione idraulica

CANALE1 - DEL PORTICCIOLO PESCATORI

Profilo



A) \ # " PARTE 3

Risultati della modellazione idraulica

CANALE1 - DEL PORTICCIOLO PESCATORI

Tabelle

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

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
CANALE PORTICCILO	1973	1962.25	105.58	13.25	135	134.7	0.3	136.28	5	2.65	13.44	3.6
CANALE PORTICCILO	1867	1856.67	50.6	13.25	114.08	113.79	0.29	114.84	3.86	3.43	26.81	3.45
CANALE PORTICCILO	1817	1806.06	50.81	13.25	107.58	107.18	0.4	108.1	3.22	4.12	22.88	2.42
CANALE PORTICCILO	1766	1755.26	69.77	13.25	104.16	103.88	0.28	104.45	2.36	5.61	35.06	1.89
CANALE PORTICCILO	1696	1685.49	90.06	13.25	99.3	99.02	0.28	99.71	2.84	4.66	24.74	2.09
CANALE PORTICCILO	1606	1595.43	38.57	13.25	94.09	93.63	0.46	94.37	2.34	5.67	33.06	1.8
CANALE PORTICCILO	1567	1556.87	74.81	13.25	92.36	92.02	0.34	92.59	2.14	6.2	34.79	1.62
CANALE PORTICCILO	1493	1482.06	49.03	13.25	86.81	86.5	0.31	87.26	2.97	4.46	31.36	2.51
CANALE PORTICCILO	1444	1433.02	52.24	13.25	84.76	84.43	0.33	84.93	1.78	7.43	39.68	1.32
CANALE PORTICCILO	1391	1380.78	28.97	13.25	83.34	83.05	0.29	83.48	1.7	7.81	47.1	1.33
CANALE PORTICCILO	1362	1351.81	21.83	13.25	82.5	82.25	0.25	82.61	1.46	9.1	75.12	1.34
CANALE PORTICCILO	1341	1329.98	55.01	13.25	82.04	81.89	0.15	82.14	0.41	9.76	47.3	0.64
CANALE PORTICCILO	1286	1274.97	52.29	13.25	73.5	72.78	0.72	75.34	6.01	2.21	5.86	3.13
CANALE PORTICCILO	1233	1222.67	53.2	13.25	69.42	69.07	0.35	69.61	1.06	7.26	19.07	0.78
CANALE PORTICCILO	1180	1169.48	50.67	13.25	63.34	62.68	0.66	64.76	5.29	2.51	6.88	2.8
CANALE PORTICCILO	1129	1118.81	56.55	13.25	57.8	57.43	0.37	58.93	4.72	2.81	11.64	3.06
CANALE PORTICCILO	1073	1062.26	48.17	13.25	43.63	42.83	0.8	46.18	7.08	1.87	4.53	3.52
CANALE PORTICCILO	1025	1014.09	52.91	13.25	25.47	25.25	0.22	28.44	7.63	1.74	16.43	7.49
CANALE PORTICCILO	972	961.17	50.3	13.25	22.86	21.9	0.96	23.59	3.77	3.51	6.58	1.65
CANALE PORTICCILO	921	910.88	49.1	13.25	21.27	20.36	0.91	21.95	3.67	3.61	7.47	1.68
CANALE PORTICCILO	872	861.78	50.28	13.25	19.38	18.4	0.98	20	3.47	3.82	11.31	1.91
CANALE PORTICCILO	822	811.5	49.91	13.25	15.69	15.16	0.53	16.53	4.05	3.27	9.93	2.25
CANALE PORTICCILO	772	761.59	49.79	13.25	13.42	12.31	1.11	14.26	4.15	3.47	8.38	1.66
CANALE PORTICCILO	722	711.8	49.52	13.25	10.94	10.58	0.36	11.71	3.89	3.41	14.28	2.54
CANALE PORTICCILO	673	662.28	50.15	13.25	9.36	8.8	0.56	9.63	2.96	6.66	40.84	1.61
CANALE PORTICCILO	623	612.13	28.89	13.25	7.63	7.12	0.51	7.99	2.63	5	31.32	2.06
CANALE PORTICCILO	594	583.25	21.25	13.25	6.57	6.24	0.33	6.83	2.88	5.96	33.46	1.77
CANALE PORTICCILO	573	562	50	13.25	6.36	6.21	0.15	6.42	0.71	12.72	97.81	0.82
CANALE PORTICCILO	523	512	50	13.25	5.3	4.76	0.54	5.56	2.26	5.86	16.03	1.19
CANALE PORTICCILO	473	462	50	13.25	4.63	4.11	0.52	4.63	0.13	113.61	184.4	0.08
CANALE PORTICCILO	423	412	50	13.25	4.03	3.6	0.43	4.04	0.53	44.27	154.56	0.31
CANALE PORTICCILO	373	362	50	13.25	3.55	3.08	0.47	3.63	1.52	15.91	96.91	0.87
CANALE PORTICCILO	323	312	50	15.61	3.22	2.73	0.49	3.34	1.75	12.74	55.23	0.99
CANALE PORTICCILO	273	262	50	15.61	2.69	1.22	1.47	2.73	0.99	19.3	39.47	0.26
CANALE PORTICCILO	223	212	13	15.61	2.67	0.94	1.73	2.69	0.81	26.7	44.46	0.2
CANALE PORTICCILO	210	199	1	15.61	2.67	0.94	1.73	2.69	0.66	31.57	51.32	0.16
CANALE PORTICCILO	209	198	36	15.61	2.18	0.92	1.26	2.32	2.19	10.56	33.53	0.77
CANALE PORTICCILO	173	162	12	15.61	2.24	0.91	1.33	2.26	0.7	24.85	47.78	0.25
CANALE PORTICCILO	161	150	50	15.61	2.21	0.88	1.33	2.23	0.93	22.93	62.06	0.33
CANALE PORTICCILO	123	100	50	15.61	2.11	0.81	1.3	2.14	1.06	21.73	67.1	0.4
CANALE PORTICCILO	73	50	14.73	15.61	1.93	0.62	1.31	1.94	0.62	26.81	63.1	0.29
CANALE PORTICCILO	55	35.27	1	15.61	1.79	0.3	1.49	1.84	1.28	19.43	84.4	0.45
CANALE PORTICCILO	54	34.27	34.27	15.61	1.79	0.3	1.49	1.84	0.76	17.97	89.21	0.25
CANALE PORTICCILO	23			15.61	1.8	0.25	1.55	1.81	0.35	52.14	183.75	0.08

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

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
CANALE PORTICCIOLO	1973	1962.25	105.58	14.8	135	134.7	0.31	136.39	5.2	2.85	13.61	3.63
CANALE PORTICCIOLO	1867	1856.67	50.6	14.8	114.1	113.79	0.29	114.92	4.04	3.66	26.87	3.49
CANALE PORTICCIOLO	1817	1806.06	50.81	14.8	107.6	107.18	0.41	108.16	3.35	4.42	23.14	2.45
CANALE PORTICCIOLO	1766	1755.26	69.77	14.8	104.2	103.88	0.29	104.48	2.46	6.01	35.56	1.91
CANALE PORTICCIOLO	1696	1685.49	90.06	14.8	99.31	99.02	0.29	99.75	2.91	5.09	25.97	2.1
CANALE PORTICCIOLO	1606	1595.43	38.57	14.8	94.1	93.63	0.47	94.4	2.42	6.11	33.85	1.82
CANALE PORTICCIOLO	1567	1556.87	74.81	14.8	92.37	92.02	0.35	92.62	2.2	6.71	35.8	1.63
CANALE PORTICCIOLO	1493	1482.06	49.03	14.8	86.82	86.5	0.32	87.29	3.05	4.86	32.53	2.52
CANALE PORTICCIOLO	1444	1433.02	52.24	14.8	84.78	84.43	0.35	84.95	1.86	7.97	40.49	1.34
CANALE PORTICCIOLO	1391	1380.78	28.97	14.8	83.35	83.05	0.3	83.51	1.74	8.49	48.83	1.33
CANALE PORTICCIOLO	1362	1351.81	21.83	14.8	82.6	82.25	0.35	82.64	0.89	16.61	81.85	0.63
CANALE PORTICCIOLO	1341	1329.98	55.01	14.8	82.05	81.89	0.16	82.16	0.46	10.17	48.75	0.69
CANALE PORTICCIOLO	1286	1274.97	52.29	14.8	73.55	72.78	0.77	75.37	5.97	2.48	6.22	3.02
CANALE PORTICCIOLO	1233	1222.67	53.2	14.8	69.45	69.07	0.38	69.65	1.15	7.82	19.27	0.8
CANALE PORTICCIOLO	1180	1169.48	50.67	14.8	63.38	62.68	0.7	64.82	5.31	2.79	7.22	2.73
CANALE PORTICCIOLO	1129	1118.81	56.55	14.8	57.81	57.43	0.38	59.08	4.98	2.97	11.74	3.16
CANALE PORTICCIOLO	1073	1062.26	48.17	14.8	43.66	42.83	0.83	46.34	7.25	2.04	4.6	3.47
CANALE PORTICCIOLO	1025	1014.09	52.91	14.8	25.48	25.25	0.23	28.68	7.92	1.87	17.01	7.63
CANALE PORTICCIOLO	972	961.17	50.3	14.8	22.9	21.9	1	23.68	3.9	3.8	6.96	1.68
CANALE PORTICCIOLO	921	910.88	49.1	14.8	21.31	20.36	0.95	22.03	3.77	3.93	7.66	1.68
CANALE PORTICCIOLO	872	861.78	50.28	14.8	19.41	18.4	1.01	20.08	3.62	4.08	11.59	1.95
CANALE PORTICCIOLO	822	811.5	49.91	14.8	15.72	15.16	0.56	16.6	4.17	3.55	10.08	2.24
CANALE PORTICCIOLO	772	761.59	49.79	14.8	13.45	12.31	1.14	14.34	4.3	3.78	8.64	1.68
CANALE PORTICCIOLO	722	711.8	49.52	14.8	10.96	10.58	0.38	11.79	4.03	3.67	14.48	2.56
CANALE PORTICCIOLO	673	662.28	50.15	14.8	9.37	8.8	0.57	9.66	3.08	7.06	40.97	1.65
CANALE PORTICCIOLO	623	612.13	28.89	14.8	7.65	7.12	0.53	8.03	2.72	5.44	31.81	2.04
CANALE PORTICCIOLO	594	583.25	21.25	14.8	6.58	6.24	0.34	6.87	3	6.34	33.64	1.81
CANALE PORTICCIOLO	573	562	50	14.8	6.36	6.21	0.15	6.43	0.79	13.07	98.44	0.89
CANALE PORTICCIOLO	523	512	50	14.8	5.33	4.76	0.57	5.33	0.09	173.03	202.86	0.05
CANALE PORTICCIOLO	473	462	50	14.8	4.63	4.11	0.52	4.63	0.14	113.61	184.4	0.08
CANALE PORTICCIOLO	423	412	50	14.8	4.03	3.6	0.43	4.04	0.59	44.27	154.56	0.35
CANALE PORTICCIOLO	373	362	50	14.8	3.52	3.08	0.44	3.64	1.86	13.26	78.12	1.12
CANALE PORTICCIOLO	323	312	50	17.44	3.23	2.73	0.5	3.37	1.88	13.37	56.16	1.04
CANALE PORTICCIOLO	273	262	50	17.44	2.69	1.22	1.47	2.74	1.09	19.44	39.5	0.29
CANALE PORTICCIOLO	223	212	13	17.44	2.67	0.94	1.73	2.69	0.91	26.62	44.43	0.22
CANALE PORTICCIOLO	210	199	1	17.44	2.67	0.94	1.73	2.69	0.73	31.47	50.99	0.18
CANALE PORTICCIOLO	209	198	36	17.44	2.22	0.92	1.3	2.35	2.12	11.79	33.76	0.73
CANALE PORTICCIOLO	173	162	12	17.44	2.27	0.91	1.36	2.29	0.73	26.18	47.87	0.25
CANALE PORTICCIOLO	161	150	50	17.44	2.24	0.88	1.36	2.26	0.93	24.93	62.13	0.33
CANALE PORTICCIOLO	123	100	50	17.44	2.11	0.81	1.3	2.15	1.18	21.73	67.1	0.45
CANALE PORTICCIOLO	73	50	14.73	17.44	1.98	0.62	1.36	1.99	0.61	30.1	64.1	0.27
CANALE PORTICCIOLO	55	35.27	1	17.44	1.79	0.3	1.49	1.85	1.46	18.98	82.74	0.51
CANALE PORTICCIOLO	54	34.27	34.27	17.44	1.79	0.3	1.49	1.85	0.86	17.58	87.95	0.28
CANALE PORTICCIOLO	23			17.44	1.8	0.25	1.55	1.81	0.4	52.14	183.75	0.09

Q = Portata
P.L. = Quota pelo libero
 y_{max} = Battente idrico massimo
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Fr = Numero di Froude

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

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
CANALE PORTICCIOLO	1973	1962.25	105.58	16.38	135	134.7	0.33	136.51	5.39	3.04	13.77	3.66
CANALE PORTICCIOLO	1867	1856.67	50.6	16.38	114.1	113.79	0.3	114.99	4.21	3.89	26.93	3.53
CANALE PORTICCIOLO	1817	1806.06	50.81	16.38	107.6	107.18	0.42	108.22	3.48	4.71	23.38	2.47
CANALE PORTICCIOLO	1766	1755.26	69.77	16.38	104.2	103.88	0.3	104.51	2.55	6.43	36.29	1.93
CANALE PORTICCIOLO	1696	1685.49	90.06	16.38	99.33	99.02	0.31	99.79	3	5.47	26.39	2.1
CANALE PORTICCIOLO	1606	1595.43	38.57	16.38	94.12	93.63	0.49	94.44	2.51	6.52	34.52	1.85
CANALE PORTICCIOLO	1567	1556.87	74.81	16.38	92.38	92.02	0.36	92.65	2.26	7.24	36.98	1.63
CANALE PORTICCIOLO	1493	1482.06	49.03	16.38	86.83	86.5	0.33	87.33	3.13	5.24	33.4	2.52
CANALE PORTICCIOLO	1444	1433.02	52.24	16.38	84.79	84.43	0.36	84.98	1.92	8.52	41.48	1.35
CANALE PORTICCIOLO	1391	1380.78	28.97	16.38	83.36	83.05	0.31	83.53	1.79	9.17	50.69	1.34
CANALE PORTICCIOLO	1362	1351.81	21.83	16.38	82.6	82.25	0.35	82.65	0.95	17.15	82.06	0.67
CANALE PORTICCIOLO	1341	1329.98	55.01	16.38	82.07	81.89	0.18	82.19	0.55	11.28	50.37	0.7
CANALE PORTICCIOLO	1286	1274.97	52.29	16.38	73.59	72.78	0.81	75.43	6.02	2.72	6.52	2.97
CANALE PORTICCIOLO	1233	1222.67	53.2	16.38	69.48	69.07	0.41	69.69	1.23	8.44	19.49	0.81
CANALE PORTICCIOLO	1180	1169.48	50.67	16.38	63.41	62.68	0.73	64.87	5.34	3.07	7.54	2.68
CANALE PORTICCIOLO	1129	1118.81	56.55	16.38	57.83	57.43	0.4	59.22	5.22	3.13	11.83	3.24
CANALE PORTICCIOLO	1073	1062.26	48.17	16.38	43.7	42.83	0.87	46.5	7.41	2.21	4.66	3.44
CANALE PORTICCIOLO	1025	1014.09	52.91	16.38	25.79	25.25	0.54	25.97	1.87	8.75	25.08	1.01
CANALE PORTICCIOLO	972	961.17	50.3	16.38	23.01	21.9	1.11	23.65	3.54	4.62	8.04	1.49
CANALE PORTICCIOLO	921	910.88	49.1	16.38	21.37	20.36	1.01	22.08	3.74	4.38	7.93	1.61
CANALE PORTICCIOLO	872	861.78	50.28	16.38	19.43	18.4	1.03	20.16	3.79	4.33	11.84	2
CANALE PORTICCIOLO	822	811.5	49.91	16.38	15.74	15.16	0.58	16.68	4.29	3.82	10.24	2.24
CANALE PORTICCIOLO	772	761.59	49.79	16.38	13.5	12.31	1.19	14.4	4.37	4.16	8.93	1.67
CANALE PORTICCIOLO	722	711.8	49.52	16.38	10.99	10.58	0.41	11.83	4.07	4.03	14.79	2.49
CANALE PORTICCIOLO	673	662.28	50.15	16.38	9.38	8.8	0.58	9.7	3.22	7.41	41.08	1.71
CANALE PORTICCIOLO	623	612.13	28.89	16.38	7.66	7.12	0.54	8.06	2.83	5.89	32	2.05
CANALE PORTICCIOLO	594	583.25	21.25	16.38	6.59	6.24	0.35	6.91	3.09	6.75	33.83	1.83
CANALE PORTICCIOLO	573	562	50	16.38	6.36	6.21	0.15	6.44	0.88	12.77	97.9	1.01
CANALE PORTICCIOLO	523	512	50	16.38	5.33	4.76	0.57	5.33	0.1	173.03	202.86	0.05
CANALE PORTICCIOLO	473	462	50	16.38	4.63	4.11	0.52	4.63	0.16	113.61	184.4	0.09
CANALE PORTICCIOLO	423	412	50	16.38	4.03	3.6	0.43	4.04	0.66	44.27	154.56	0.39
CANALE PORTICCIOLO	373	362	50	16.38	3.93	3.08	0.85	3.93	0.42	82.71	198.84	0.17
CANALE PORTICCIOLO	323	312	50	21.72	3.27	2.73	0.54	3.43	2.04	15.63	59.66	1.07
CANALE PORTICCIOLO	273	262	50	21.72	2.89	1.22	1.67	2.92	0.88	27.21	41.39	0.22
CANALE PORTICCIOLO	223	212	13	21.72	2.87	0.94	1.93	2.89	0.84	36.84	58.43	0.19
CANALE PORTICCIOLO	210	199	1	21.72	2.87	0.94	1.93	2.89	0.67	42.87	58.72	0.15
CANALE PORTICCIOLO	209	198	36	21.72	2.24	0.92	1.32	2.42	2.41	12.61	33.91	0.82
CANALE PORTICCIOLO	173	162	12	21.72	2.3	0.91	1.39	2.33	0.83	27.86	47.98	0.29
CANALE PORTICCIOLO	161	150	50	21.72	2.27	0.88	1.39	2.31	1.03	27.02	62.2	0.36
CANALE PORTICCIOLO	123	100	50	21.72	2.2	0.81	1.39	2.24	1.08	27.95	67.49	0.39
CANALE PORTICCIOLO	73	50	14.73	21.72	2.18	0.62	1.56	2.19	0.52	43.58	69.32	0.2
CANALE PORTICCIOLO	55	35.27	1	21.72	2.18	0.3	1.88	2.19	0.53	64.34	134.61	0.15
CANALE PORTICCIOLO	54	34.27	34.27	21.72	1.77	0.3	1.47	1.88	1.13	16.16	80.4	0.39
CANALE PORTICCIOLO	23			21.72	1.8	0.25	1.55	1.81	0.49	52.14	183.75	0.11

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

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
CANALE PORTICCIOLO	1973	1962.25	105.58	18.53	135.1	134.7	0.35	136.66	5.63	3.29	13.99	3.7
CANALE PORTICCIOLO	1867	1856.67	50.6	18.53	114.1	113.79	0.31	115.1	4.42	4.19	27	3.58
CANALE PORTICCIOLO	1817	1806.06	50.81	18.53	107.6	107.18	0.44	108.28	3.59	5.16	24.48	2.5
CANALE PORTICCIOLO	1766	1755.26	69.77	18.53	104.2	103.88	0.32	104.55	2.63	7.04	38.06	1.95
CANALE PORTICCIOLO	1696	1685.49	90.06	18.53	99.35	99.02	0.33	99.84	3.1	5.98	26.93	2.1
CANALE PORTICCIOLO	1606	1595.43	38.57	18.53	94.13	93.63	0.5	94.48	2.61	7.11	36.42	1.88
CANALE PORTICCIOLO	1567	1556.87	74.81	18.53	92.41	92.02	0.39	92.68	2.3	8.05	39.85	1.63
CANALE PORTICCIOLO	1493	1482.06	49.03	18.53	86.85	86.5	0.35	87.38	3.22	5.75	34.2	2.51
CANALE PORTICCIOLO	1444	1433.02	52.24	18.53	84.81	84.43	0.38	85.01	1.99	9.32	43.96	1.38
CANALE PORTICCIOLO	1391	1380.78	28.97	18.53	83.38	83.05	0.33	83.55	1.83	10.15	53.58	1.34
CANALE PORTICCIOLO	1362	1351.81	21.83	18.53	82.63	82.25	0.38	82.68	0.97	19.2	85.11	0.65
CANALE PORTICCIOLO	1341	1329.98	55.01	18.53	82.09	81.89	0.2	82.22	0.66	12.53	50.92	0.71
CANALE PORTICCIOLO	1286	1274.97	52.29	18.53	73.64	72.78	0.86	75.5	6.05	3.06	6.98	2.91
CANALE PORTICCIOLO	1233	1222.67	53.2	18.53	69.52	69.07	0.45	69.75	1.34	9.1	19.75	0.83
CANALE PORTICCIOLO	1180	1169.48	50.67	18.53	63.46	62.68	0.78	64.93	5.37	3.45	7.97	2.61
CANALE PORTICCIOLO	1129	1118.81	56.55	18.53	57.85	57.43	0.42	59.37	5.46	3.39	11.98	3.28
CANALE PORTICCIOLO	1073	1062.26	48.17	18.53	43.75	42.83	0.92	46.71	7.62	2.43	4.75	3.4
CANALE PORTICCIOLO	1025	1014.09	52.91	18.53	25.48	25.25	0.23	30.45	9.87	1.88	17.04	9.5
CANALE PORTICCIOLO	972	961.17	50.3	18.53	22.95	21.9	1.05	23.96	4.45	4.16	7.42	1.9
CANALE PORTICCIOLO	921	910.88	49.1	18.53	21.41	20.36	1.05	22.2	3.94	4.71	8.12	1.65
CANALE PORTICCIOLO	872	861.78	50.28	18.53	19.46	18.4	1.06	20.25	3.95	4.69	12.17	2.03
CANALE PORTICCIOLO	822	811.5	49.91	18.53	15.78	15.16	0.62	16.78	4.44	4.17	10.44	2.24
CANALE PORTICCIOLO	772	761.59	49.79	18.53	13.53	12.31	1.22	14.53	4.62	4.46	9.04	1.74
CANALE PORTICCIOLO	722	711.8	49.52	18.53	11	10.58	0.42	11.96	4.32	4.29	15.09	2.59
CANALE PORTICCIOLO	673	662.28	50.15	18.53	9.4	8.8	0.6	9.73	3.34	7.95	41.26	1.75
CANALE PORTICCIOLO	623	612.13	28.89	18.53	7.68	7.12	0.56	8.1	2.91	6.44	32.15	2.03
CANALE PORTICCIOLO	594	583.25	21.25	18.53	6.61	6.24	0.37	6.96	3.24	7.22	34.05	1.87
CANALE PORTICCIOLO	573	562	50	18.53	6.37	6.21	0.16	6.46	0.97	13.42	99.09	1.07
CANALE PORTICCIOLO	523	512	50	18.53	5.33	4.76	0.57	5.33	0.11	173.03	202.86	0.06
CANALE PORTICCIOLO	473	462	50	18.53	4.63	4.11	0.52	4.63	0.18	113.61	184.4	0.11
CANALE PORTICCIOLO	423	412	50	18.53	4.03	3.6	0.43	4.04	0.74	44.27	154.56	0.44
CANALE PORTICCIOLO	373	362	50	18.53	3.9	3.08	0.82	3.91	0.49	78.44	195.95	0.2
CANALE PORTICCIOLO	323	312	50	24.56	3.33	2.73	0.6	3.47	1.95	19.14	64.71	0.95
CANALE PORTICCIOLO	273	262	50	24.56	2.97	1.22	1.75	3	0.85	30.74	42.19	0.21
CANALE PORTICCIOLO	223	212	13	24.56	2.96	0.94	2.02	2.98	0.85	42.36	65.55	0.19
CANALE PORTICCIOLO	210	199	1	24.56	2.96	0.94	2.02	2.97	0.65	48.01	59.38	0.15
CANALE PORTICCIOLO	209	198	36	24.56	2.27	0.92	1.35	2.46	2.49	13.51	34.07	0.84
CANALE PORTICCIOLO	173	162	12	24.56	2.33	0.91	1.42	2.36	0.89	29.19	48.07	0.3
CANALE PORTICCIOLO	161	150	50	24.56	2.31	0.88	1.43	2.34	1.05	29.22	62.28	0.36
CANALE PORTICCIOLO	123	100	50	24.56	2.25	0.81	1.44	2.28	1.09	30.85	67.64	0.38
CANALE PORTICCIOLO	73	50	14.73	24.56	2.22	0.62	1.6	2.24	0.55	46.5	69.84	0.21
CANALE PORTICCIOLO	55	35.27	1	24.56	1.79	0.3	1.49	1.91	2.06	18.88	82.48	0.72
CANALE PORTICCIOLO	54	34.27	34.27	24.56	1.8	0.3	1.5	1.91	1.18	18.42	91.63	0.38
CANALE PORTICCIOLO	23			24.56	1.8	0.25	1.55	1.81	0.56	52.14	183.75	0.12

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