



CIUTAT DE L'ALGUER
CITTA' DI ALGHERO

COMUNE DI ALGHERO

PROVINCIA DI SASSARI



REGIONE AUTONOMA DE SARDIGNA
REGIONE AUTONOMA DELLA SARDEGNA

STUDI DI DETTAGLIO PER L'ADEGUAMENTO DEGLI STRUMENTI URBANISTICI COMUNALI AL PIANO DI ASSETTO IDROGEOLOGICO ai sensi dell'art.8 comma 2 bis delle N.A. del PAI (rev. 03.05.2018)

Area di indagine: Intero territorio comunale

STUDIO ASSETTO IDRAULICO

ELABORATO :						
REPORT DEI CALCOLI IDRAULICI IN MOTO PERMANENTE						
REVISIONI				ALLEGATO C-2	SCALA	
n°	MODIFICA	DATA	CTRL		CODICE	
01	Consegna	Ottobre 2019	FC		NOTE	

I Professionisti incaricati :
Ing. Fabio Cambula

Geol. Alessandro Muscas

Arch. Laura Carbini

Il Dirigente
Ing. Michele Fois

Ufficio del Piano Urbanistico
Ing. Fabio E. M. Spurio
Arch. Angelo Manunta
Geom. Franco Cherchi

L'Assessore all'Urbanistica
Dott. Emiliano Piras

Il Sindaco:
Dott. Mario Conoci

COMUNE DI ALGHERO (SS)

Studio di compatibilità idraulica ai sensi dell'art. 8 comma 2bis delle N.A. del PAI

Area d'indagine: territorio comunale

SIMULAZIONI IN MOTO PERMANENTE

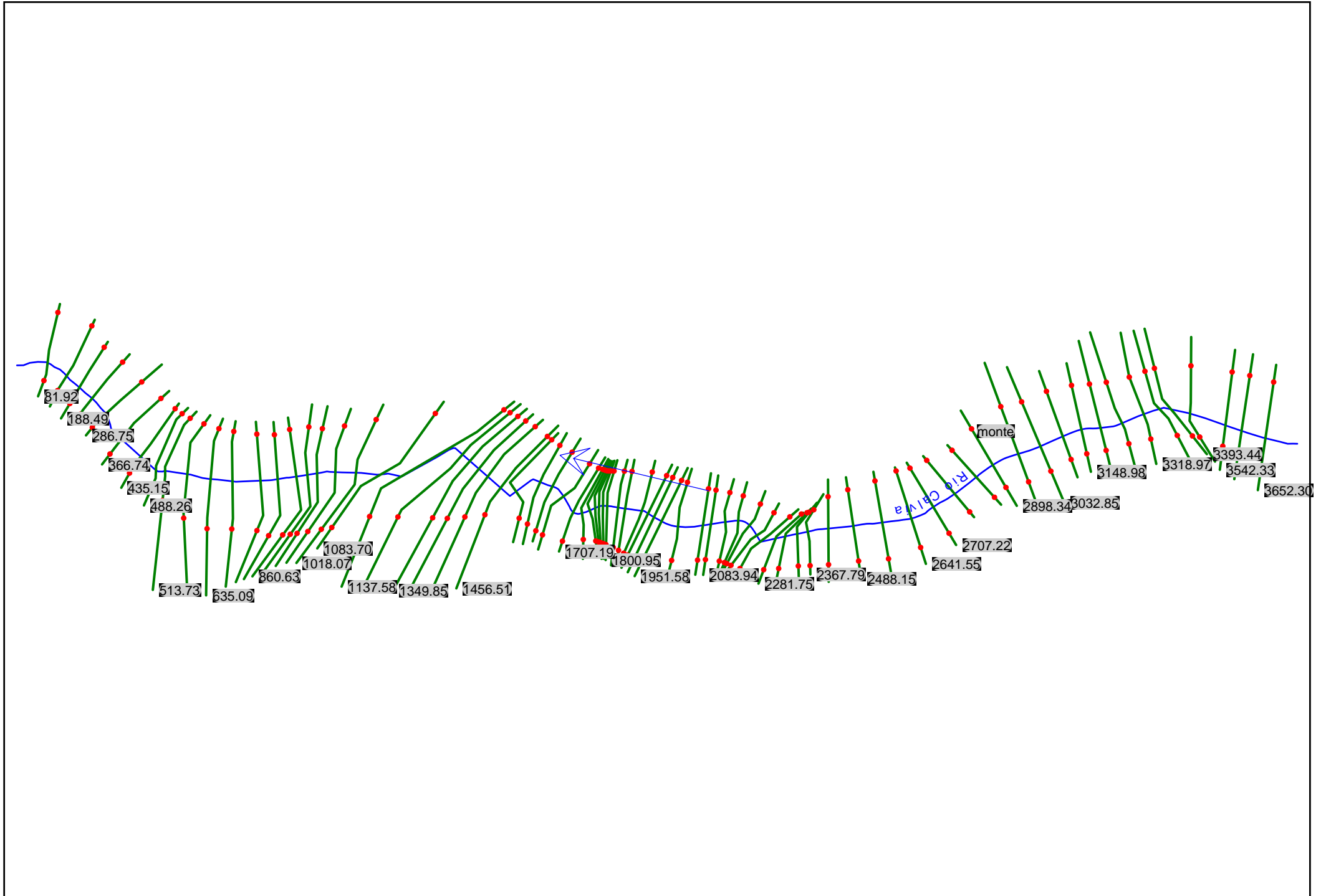
Rio Calvia (Carrabuffas)

- Schemi planimetrici
- Profili longitudinali dei tiranti idrici per le portate con tempi di ritorno di 50-100-200-500 anni
- Sezioni trasversali con i tiranti idrici per le portate con tempi di ritorno di 50-100-200-500 anni
- Tabelle numeriche delle grandezze geometriche e idrauliche di input e output

River	Reach	RS	PORTATE mc/s			
			tr 50	tr 100	tr 200	tr 500
Rio Calvia	monte	3652.3	69.58	83.41	97.55	116.88

River	Reach	PROFILI	CONDIZIONI AL CONTORNO	
			upstream	downstream
Rio Calvia	monte	tutti	Normal depth S=0.01	Known WS

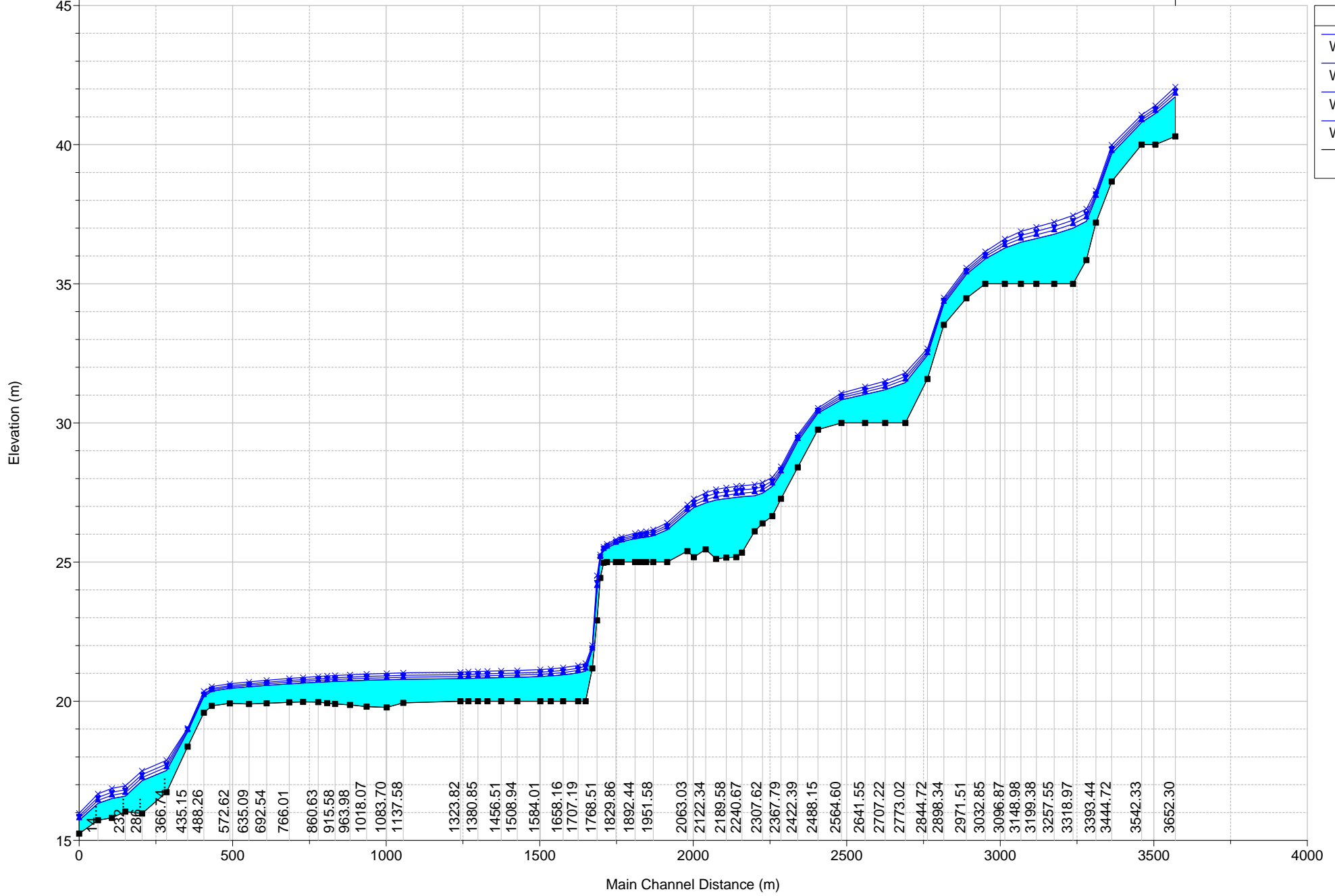
Q (mc/s)	Known WS
69.58	15.44
83.41	15.53
97.55	15.62
116.88	15.8



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2

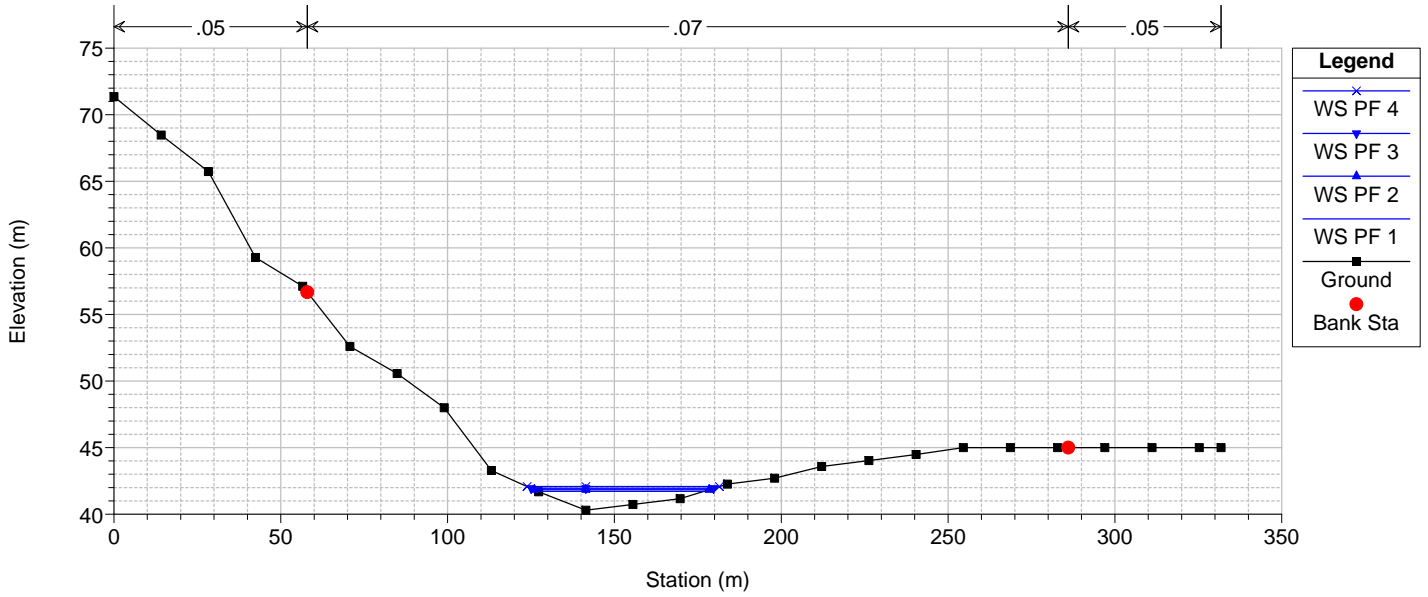
Rio Calvia monte



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

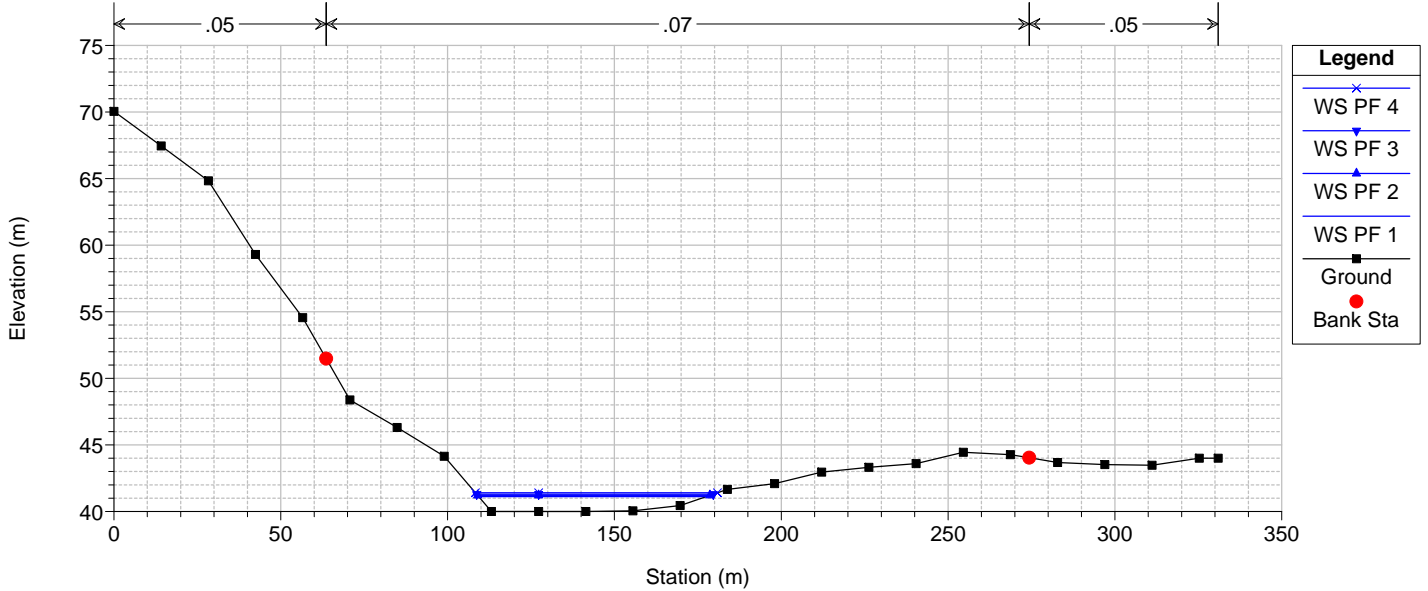
River = Rio Calvia Reach = monte RS = 3652.30 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

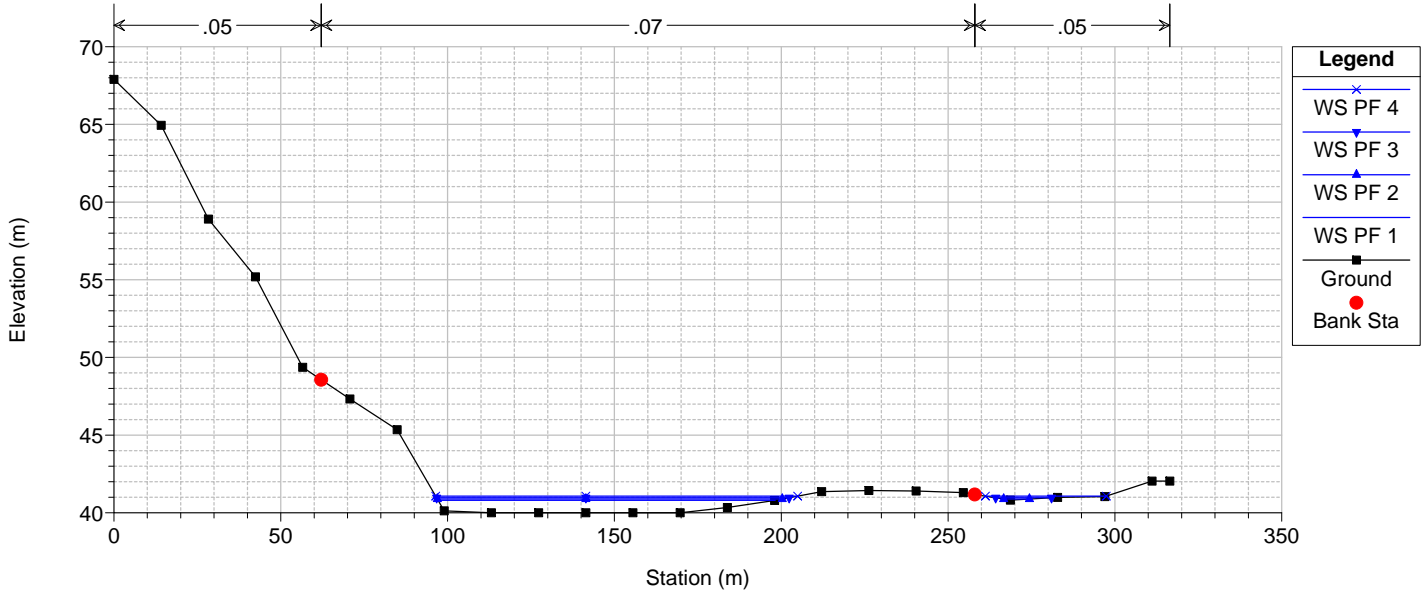
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

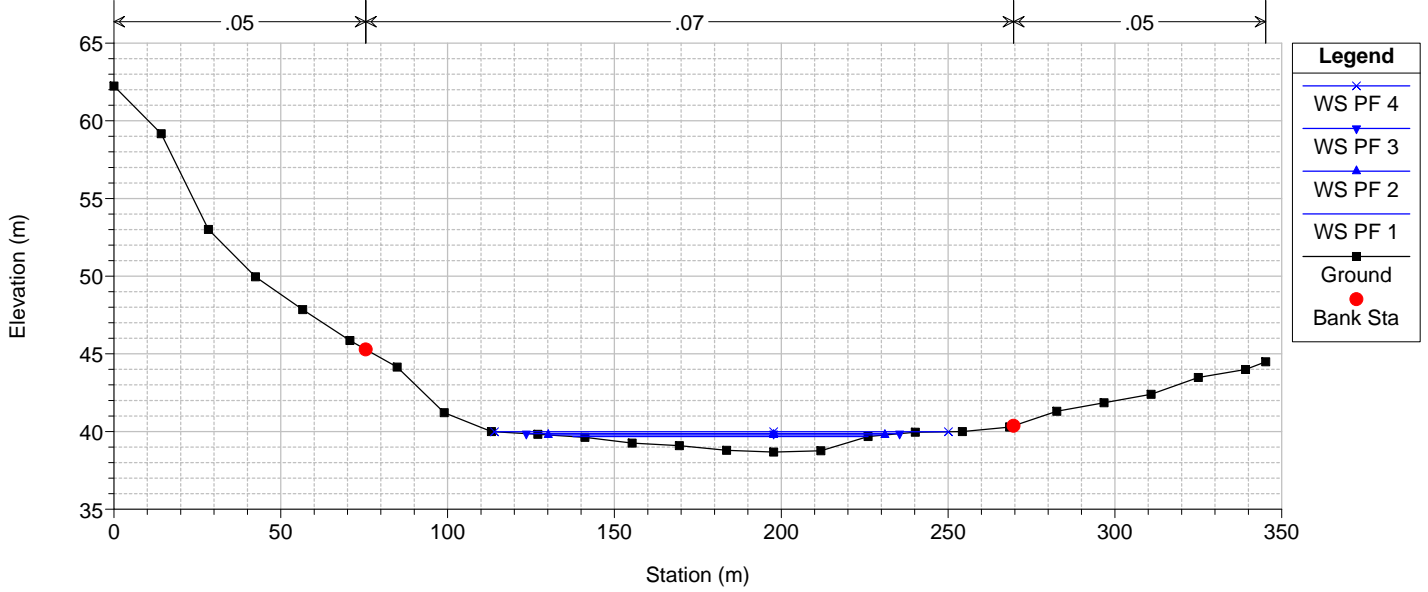
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

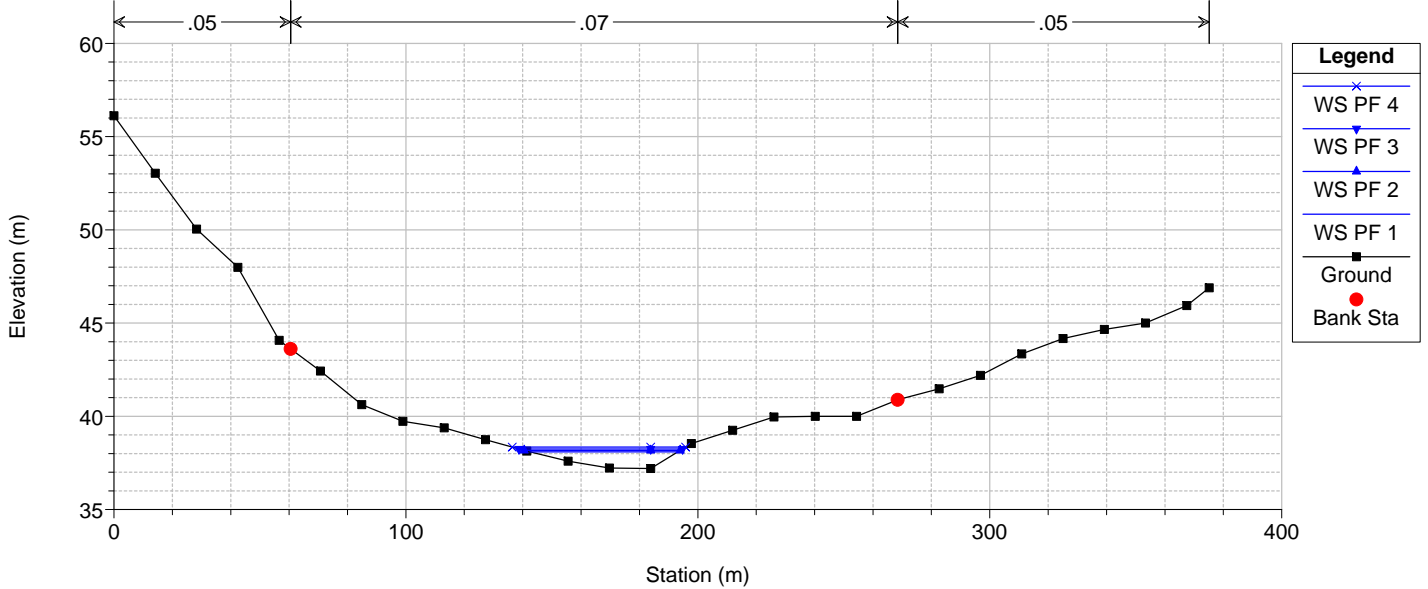
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

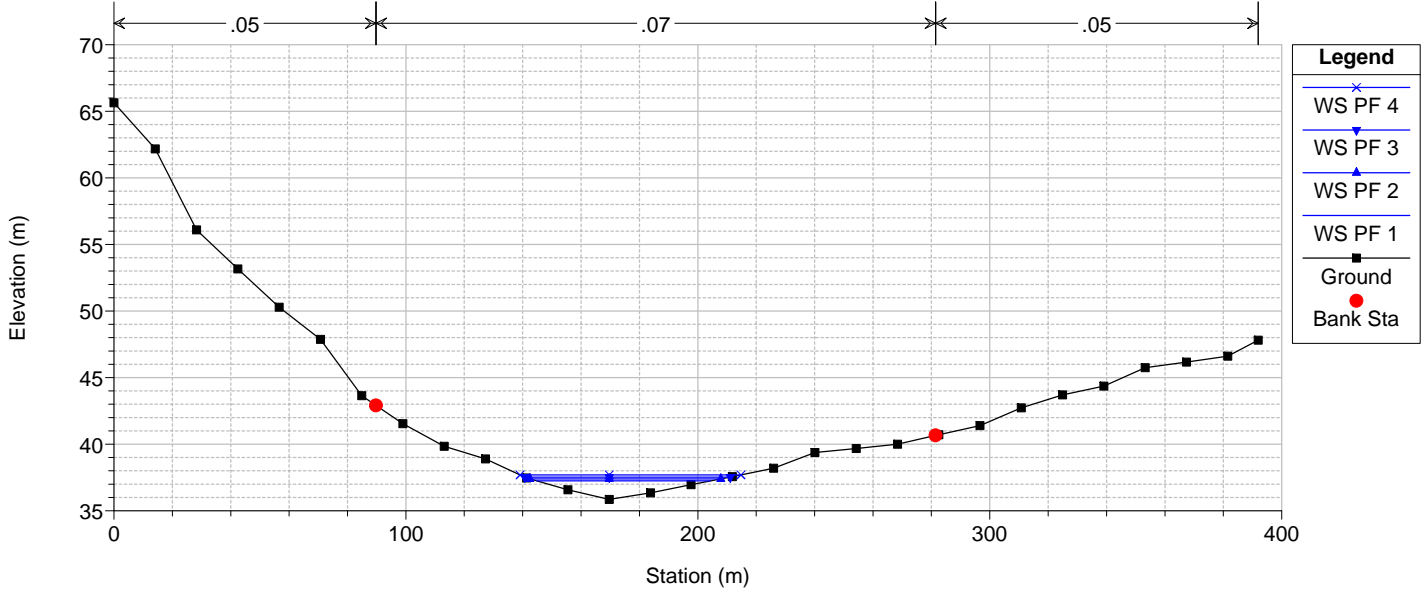
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

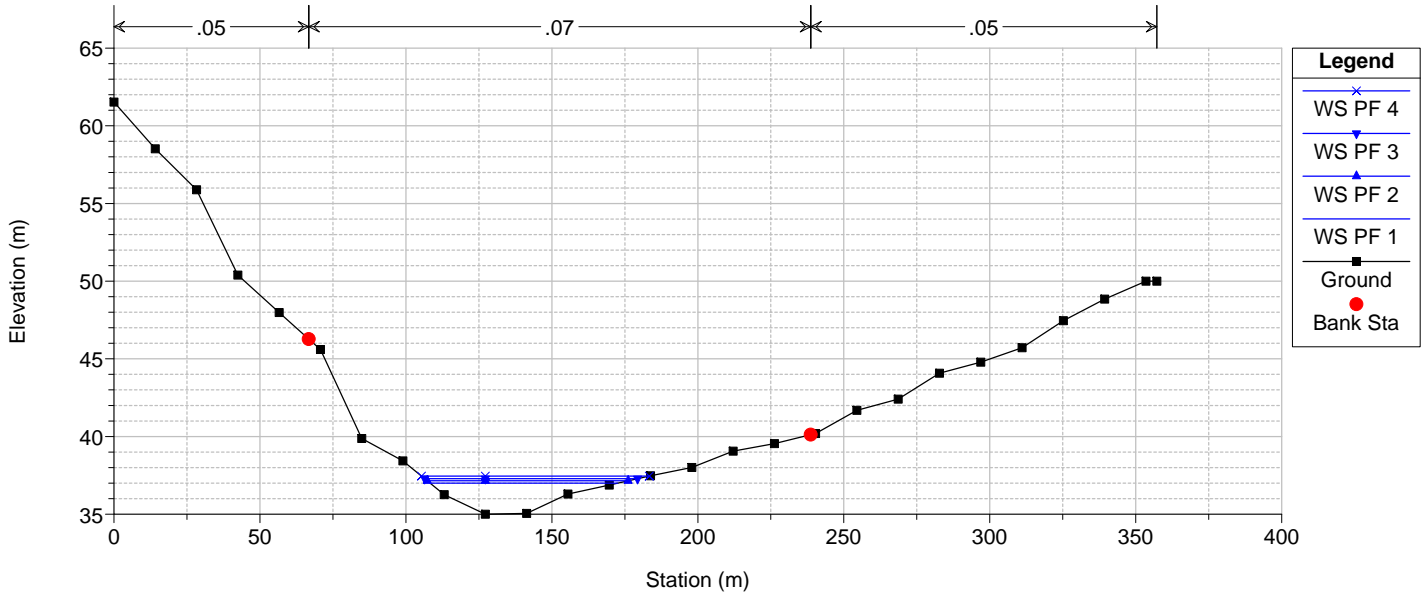
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

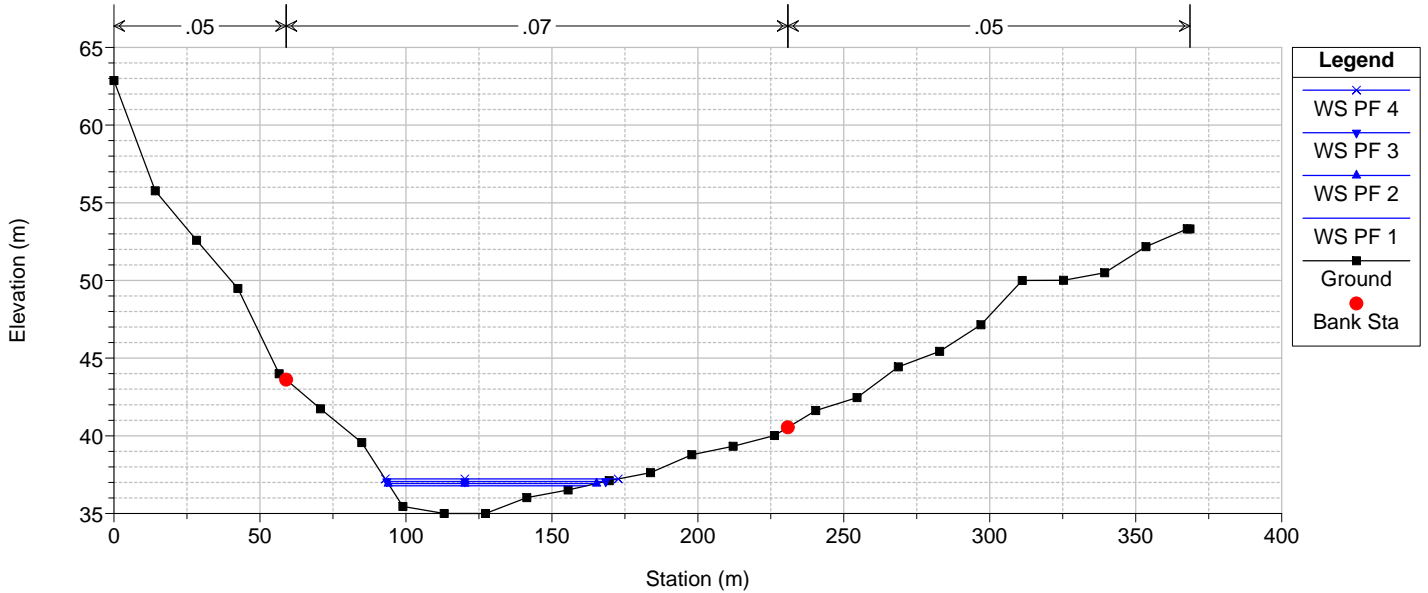
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Geom: calvia monte Flow: calvia monte

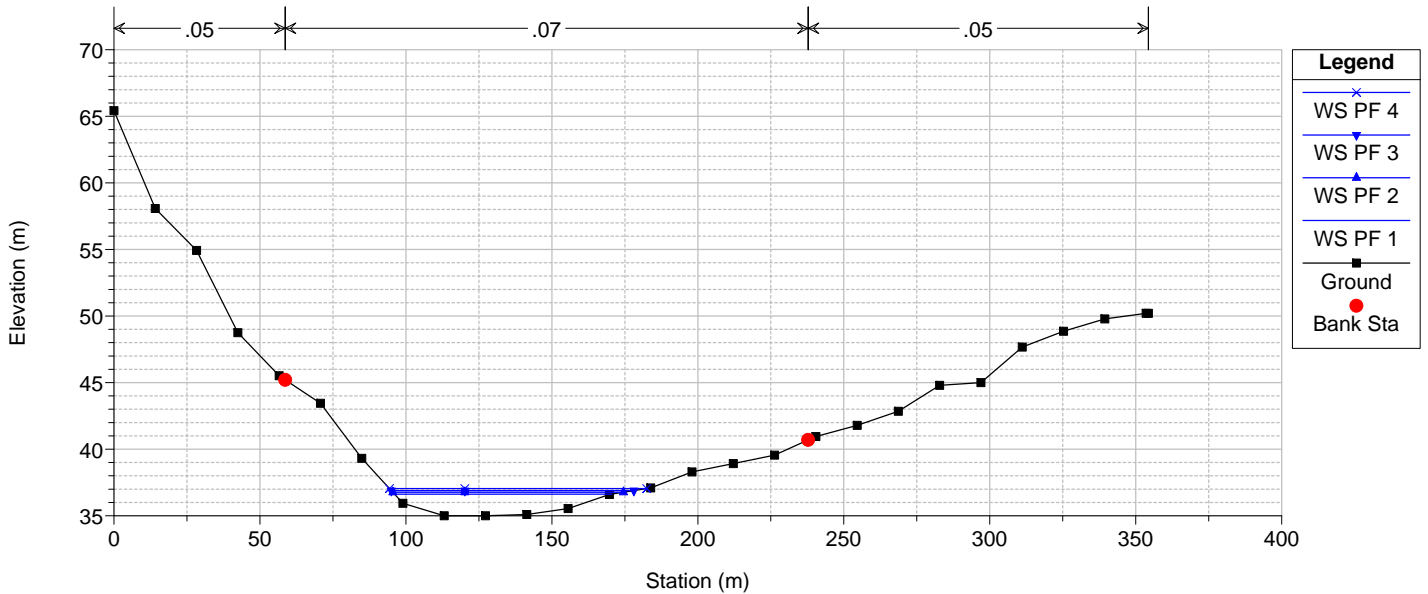
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calvia monte Plan: Plan 07 10/27/2017

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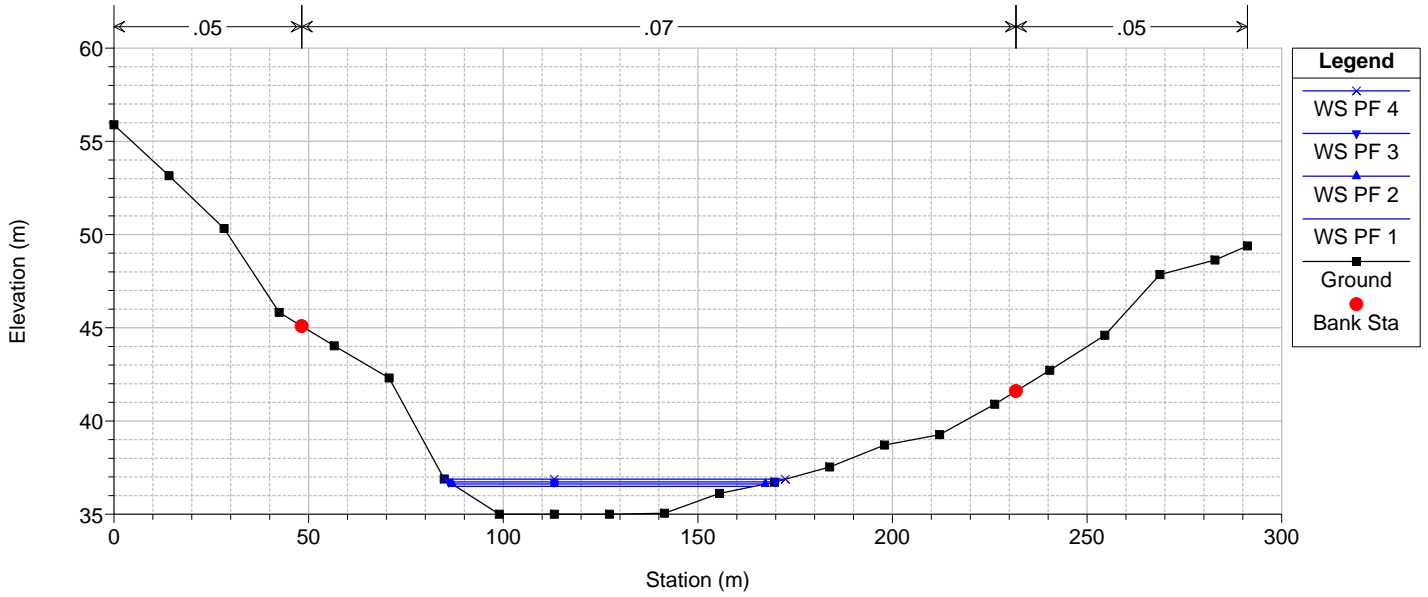
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Geom: calvia monte Flow: calvia monte

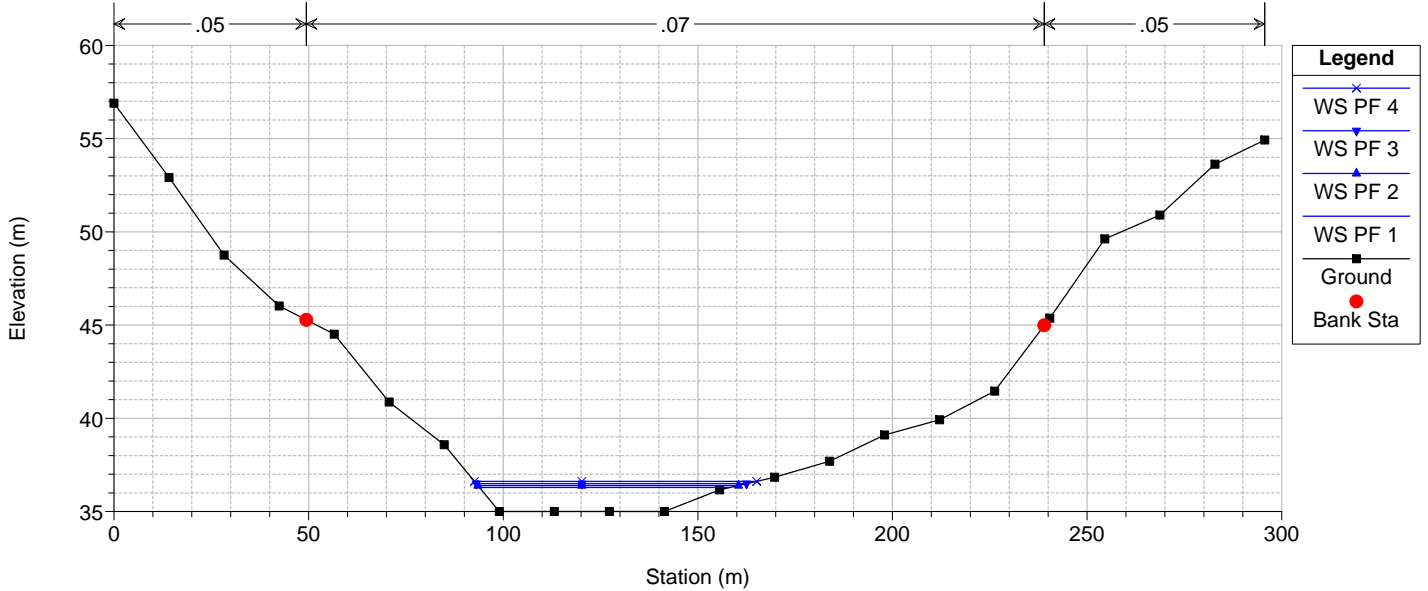
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

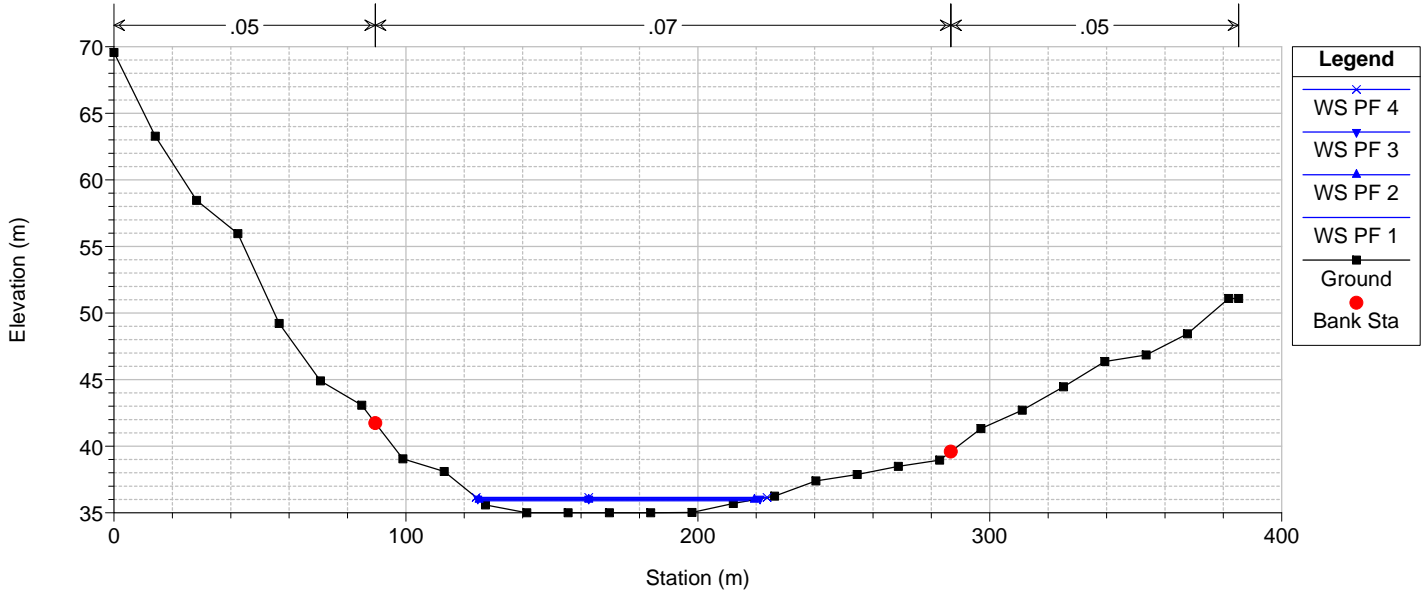
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calvia monte Plan: Plan 07 10/27/2017

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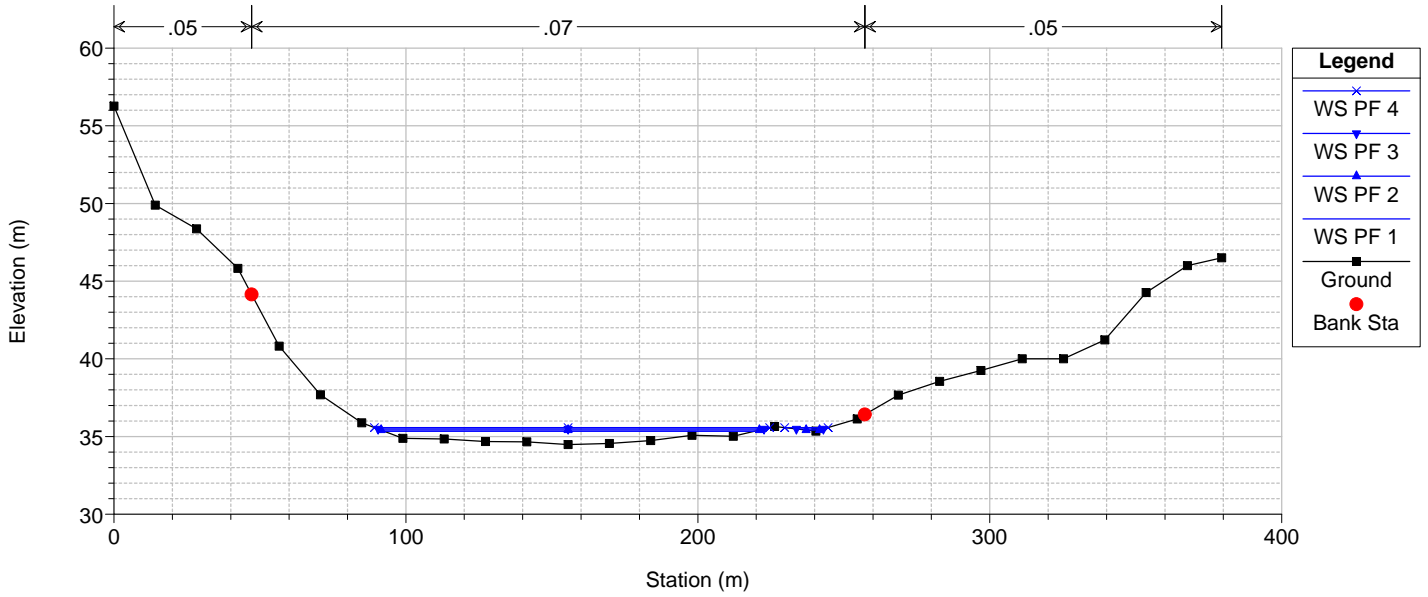
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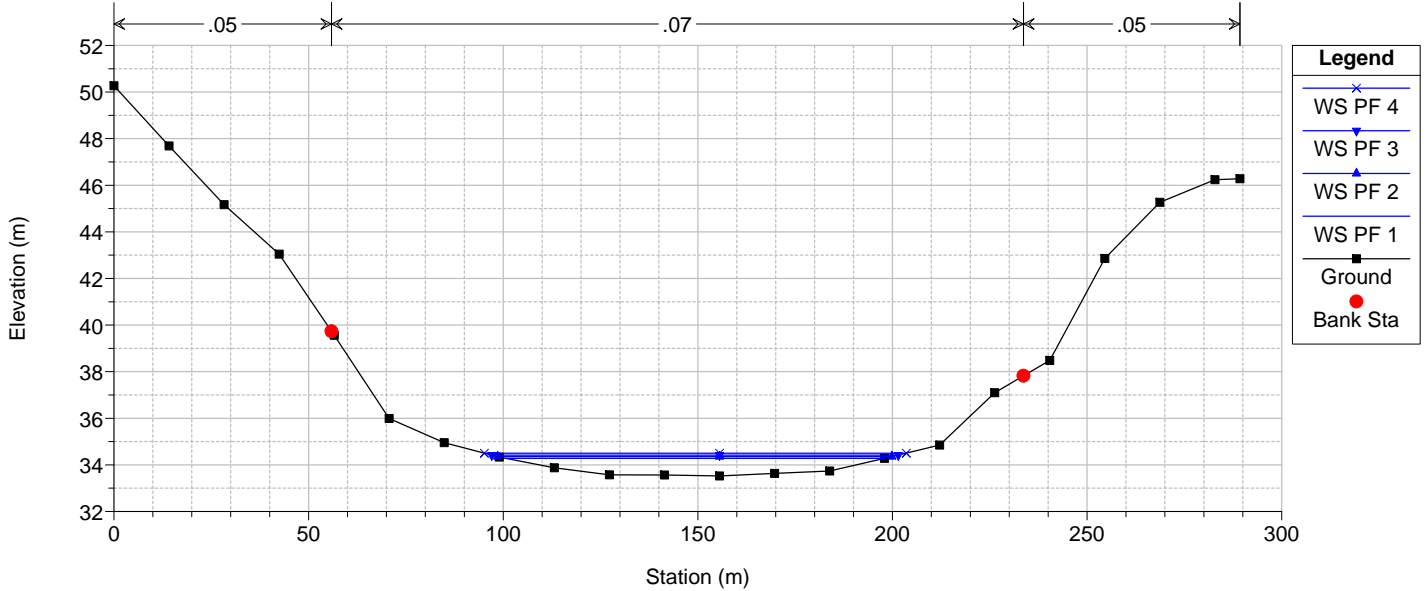
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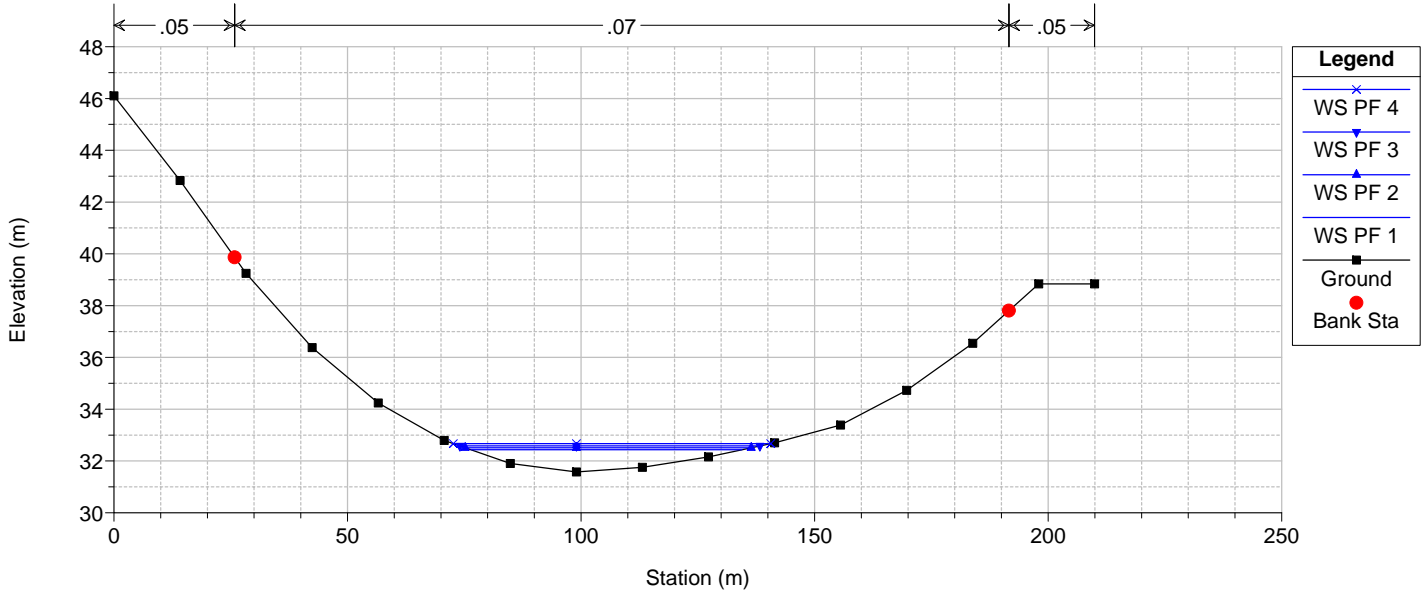
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calvia monte Plan: Plan 07 10/27/2017

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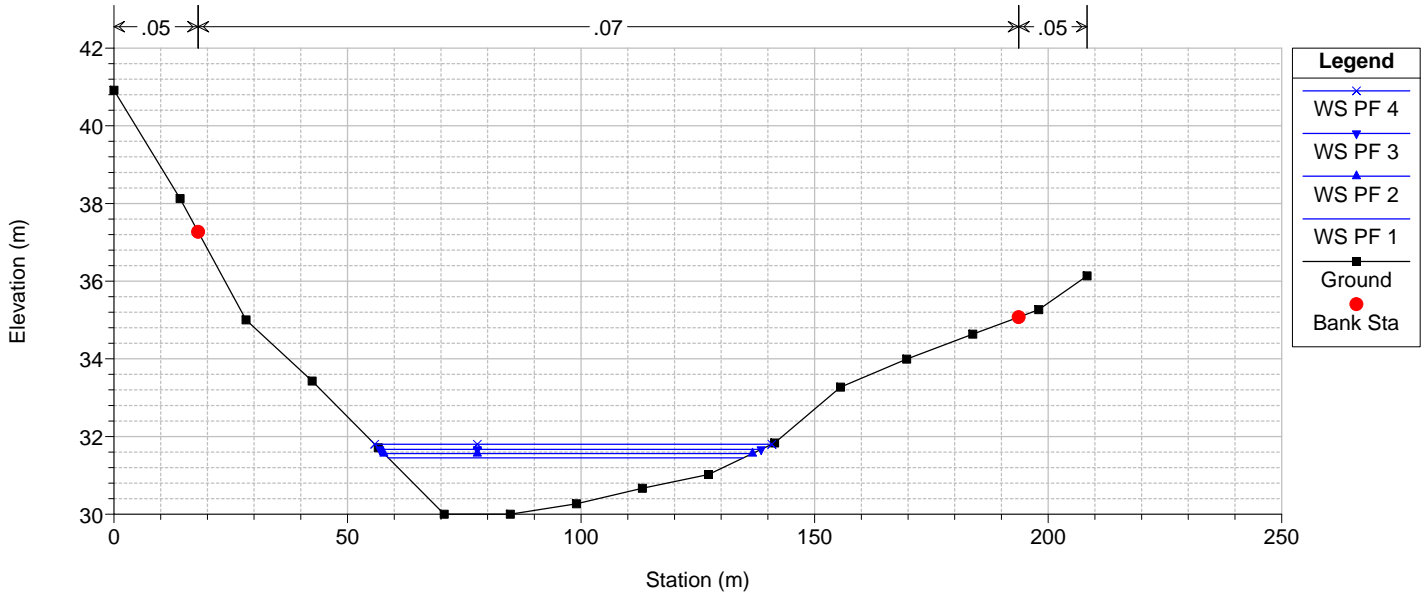
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calvia monte Plan: Plan 07 10/27/2017

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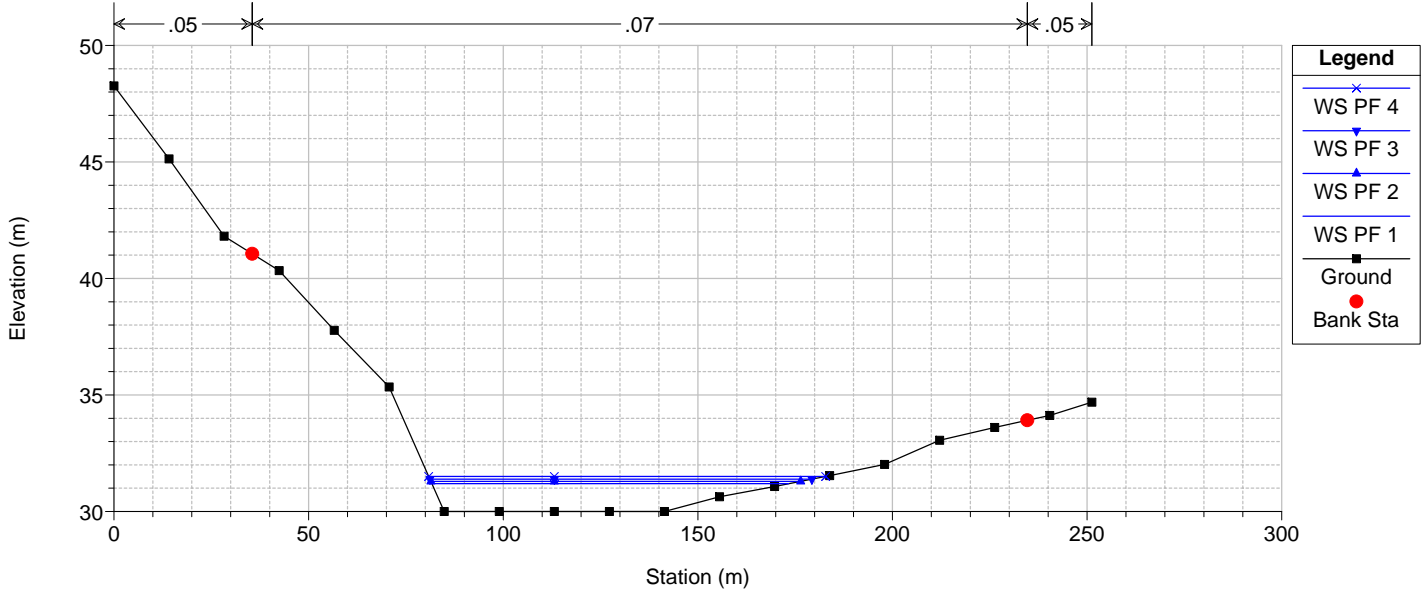
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Geom: calvia monte Flow: calvia monte

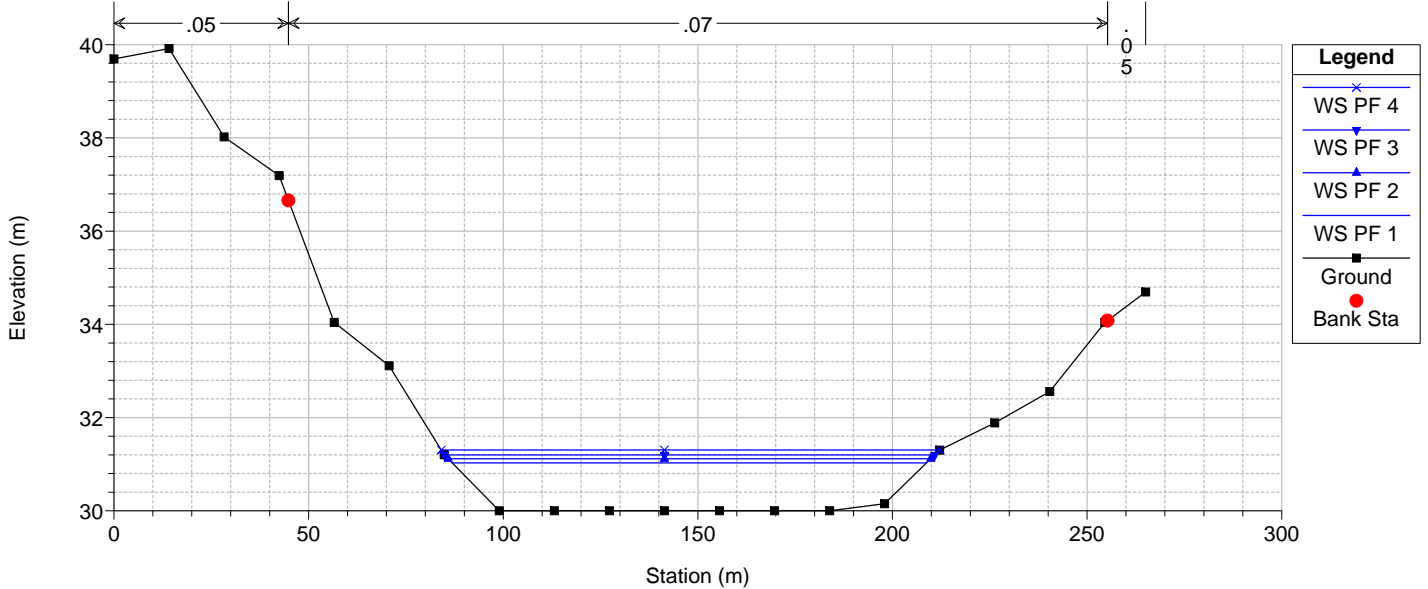
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

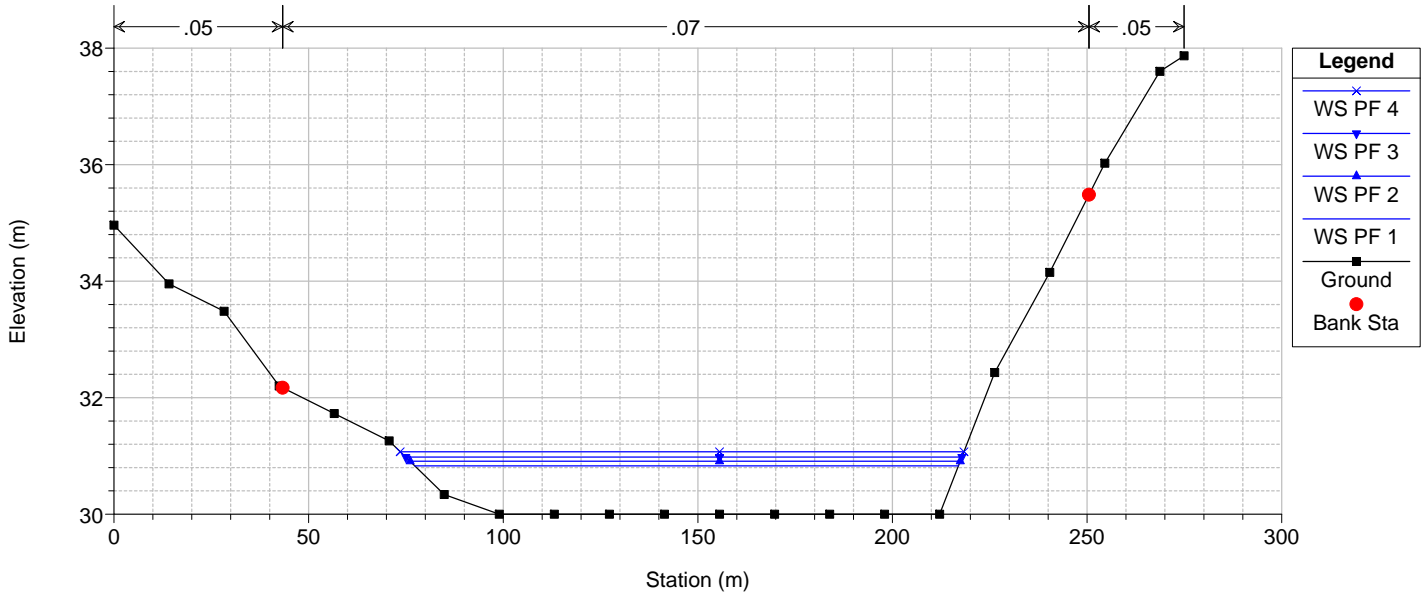
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calvia monte Plan: Plan 07 10/27/2017

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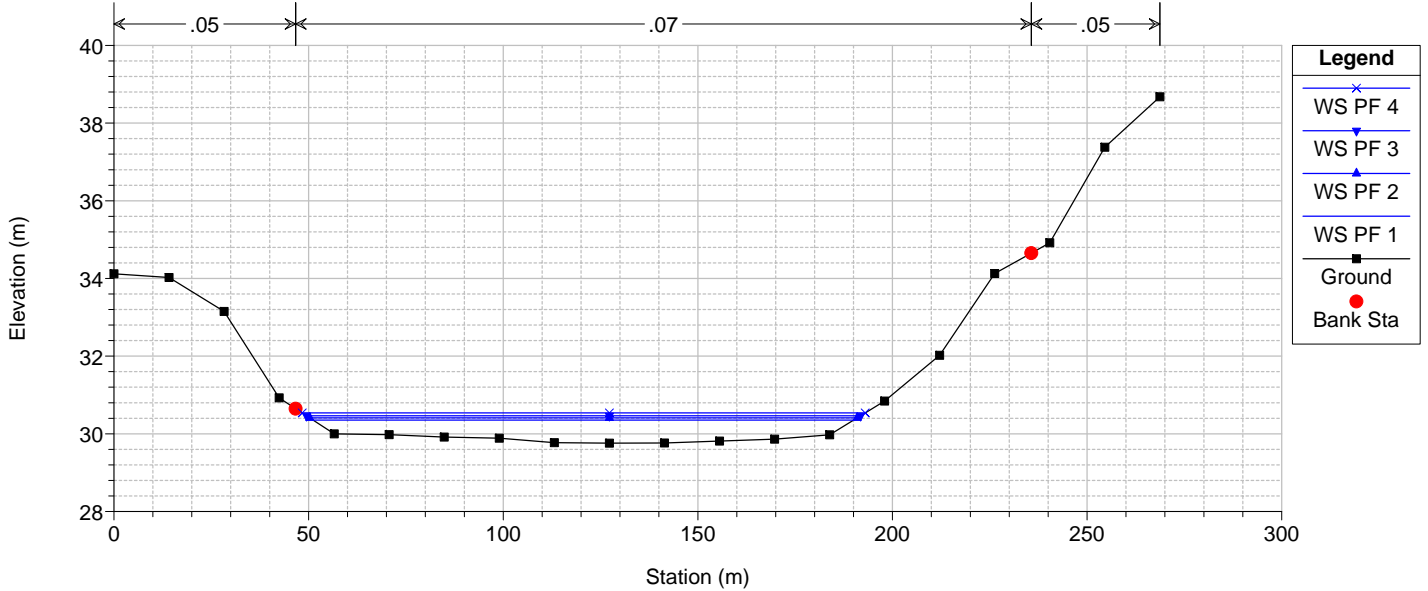
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

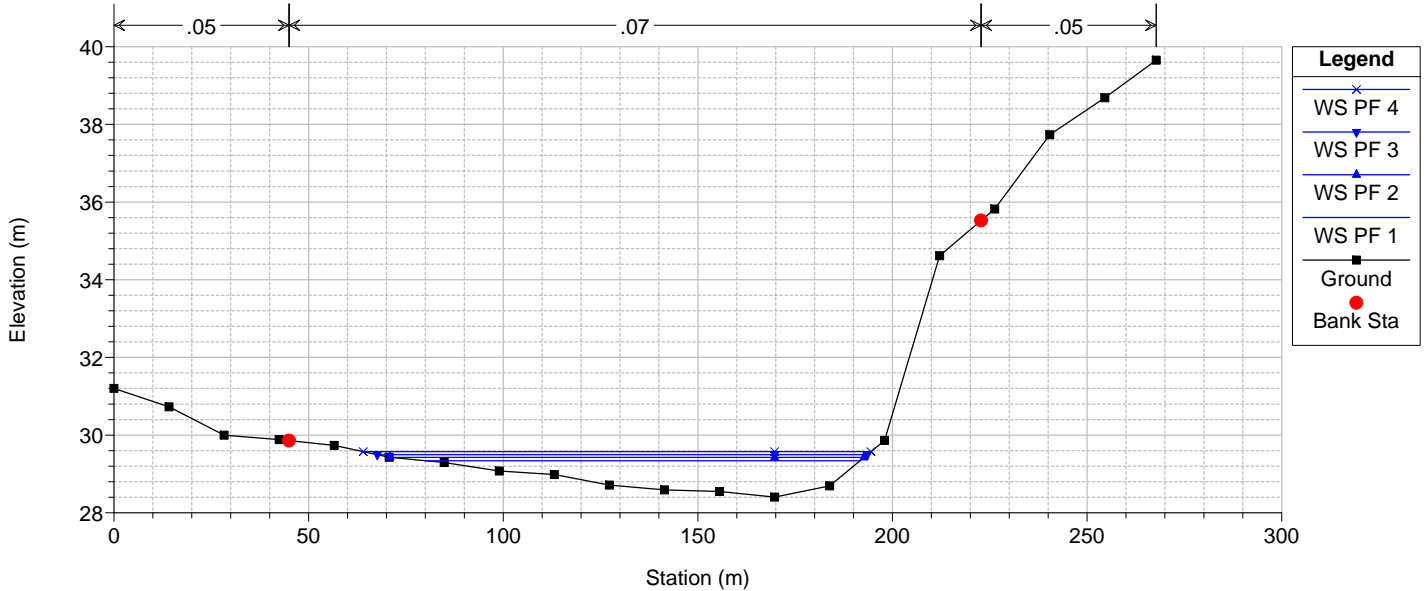
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

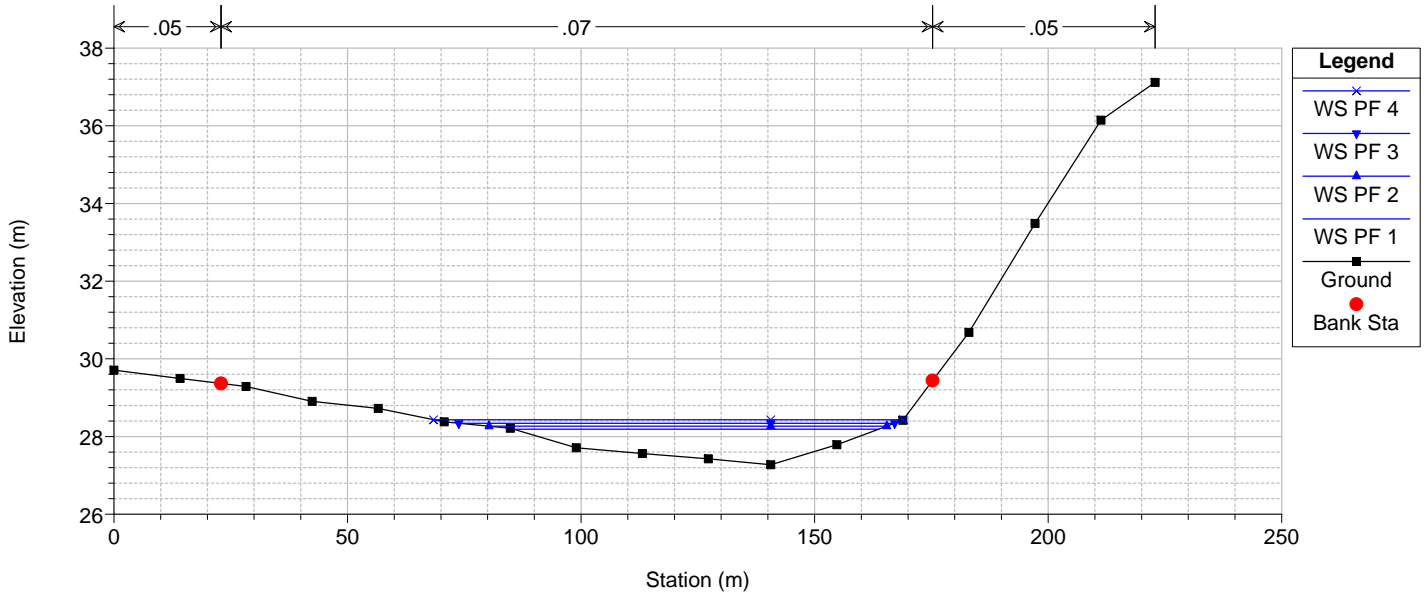
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calvia monte Plan: Plan 07 10/27/2017

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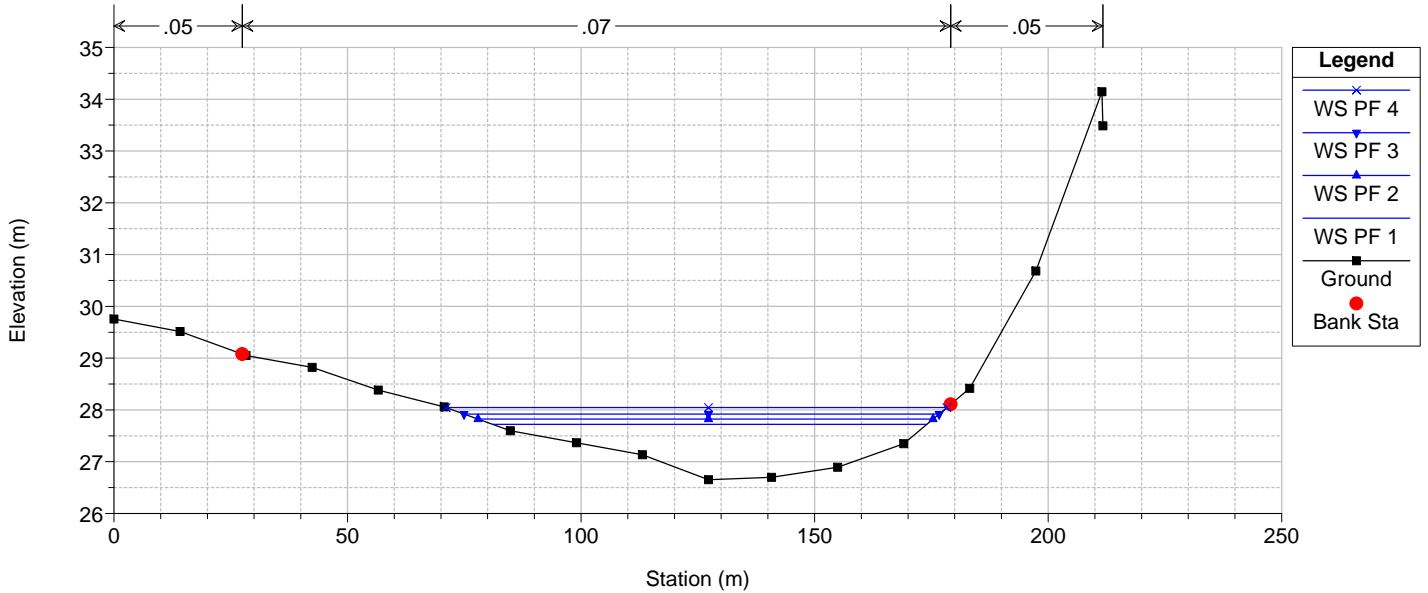
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

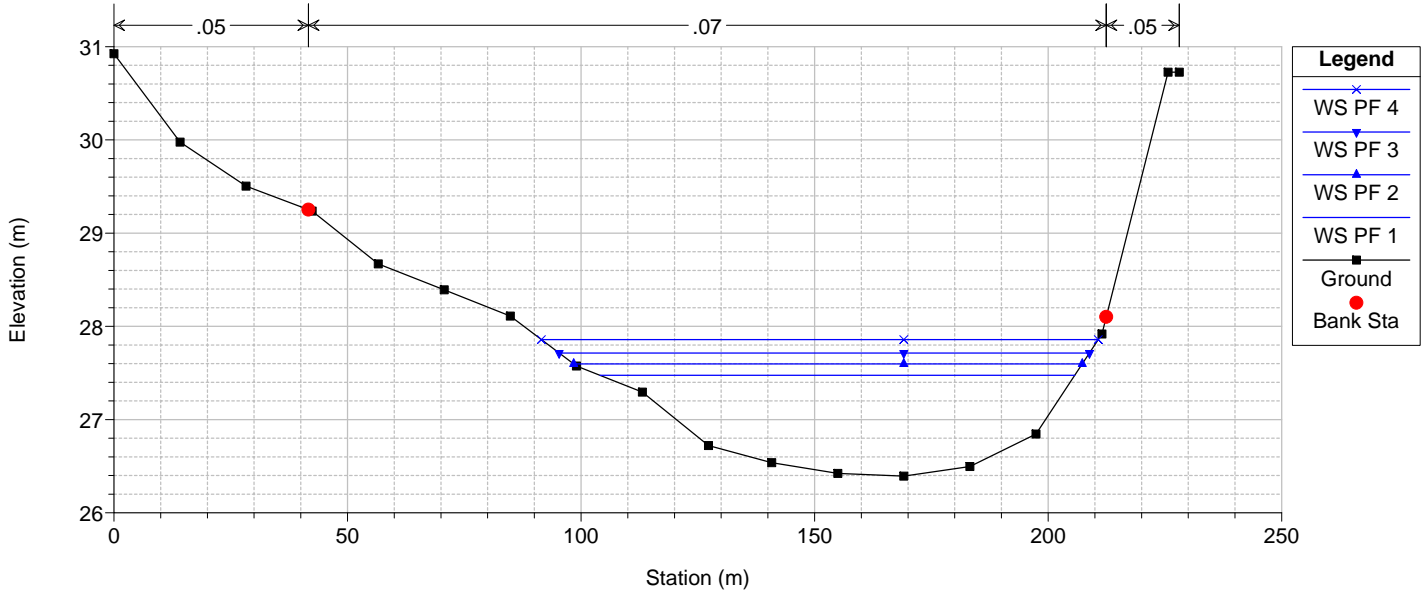
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

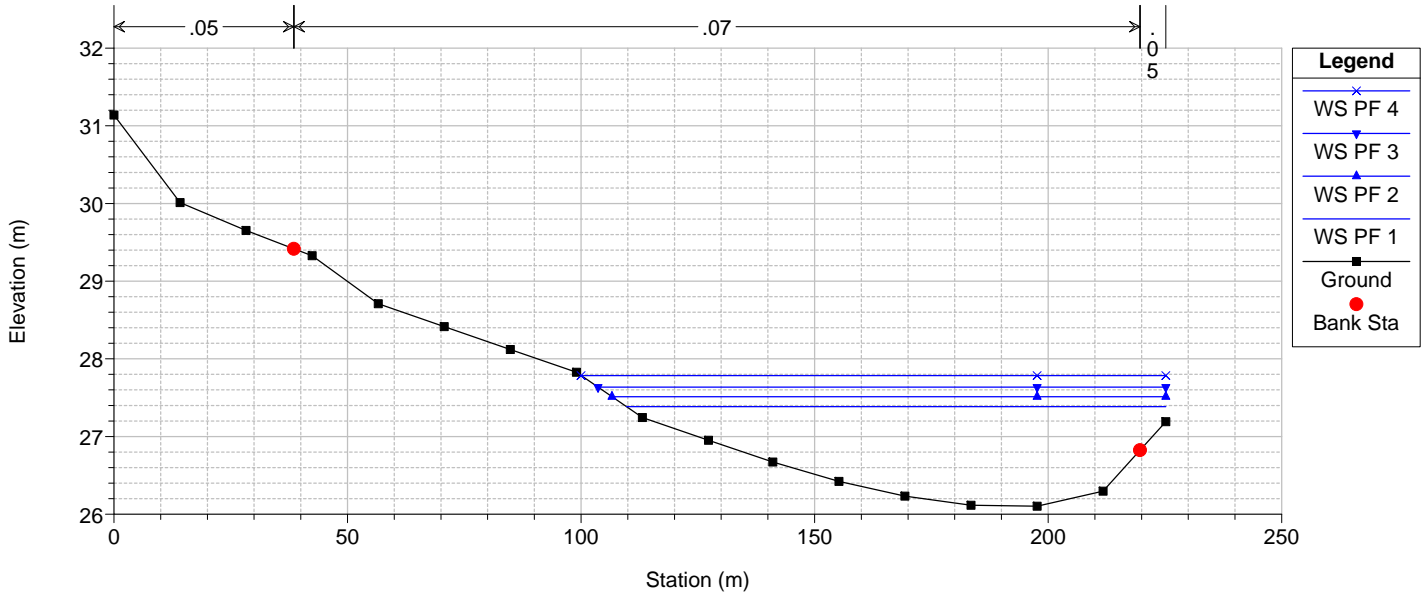
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

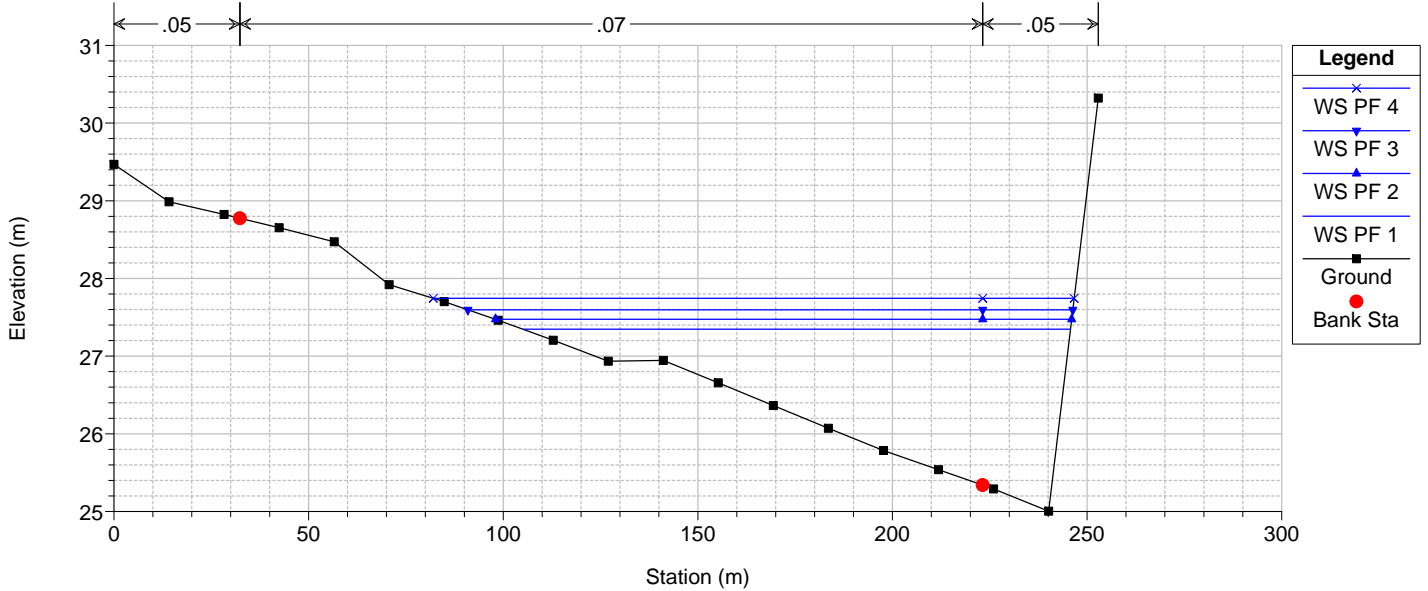
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

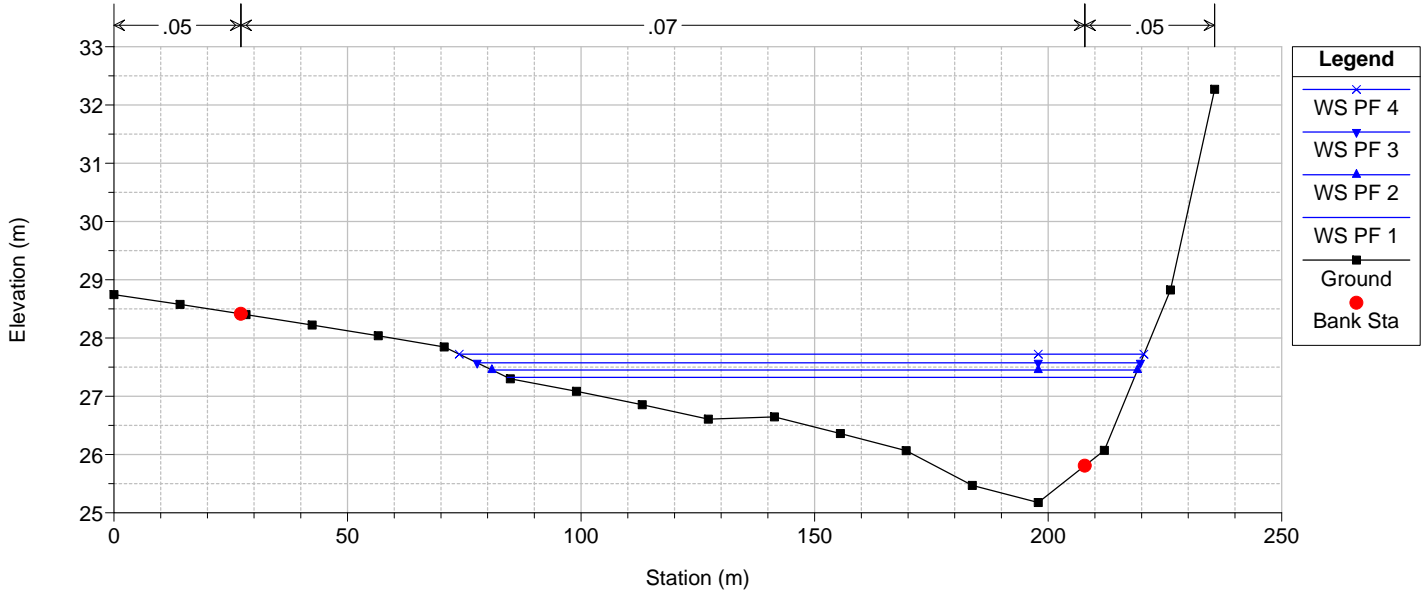
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

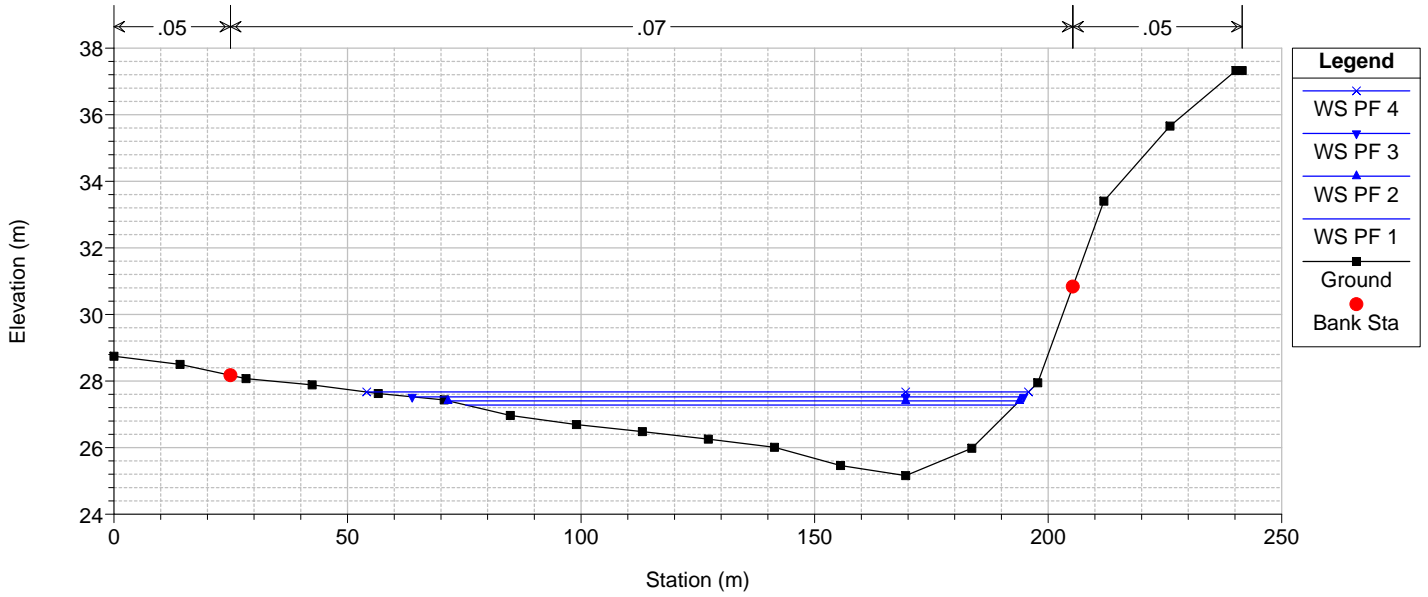
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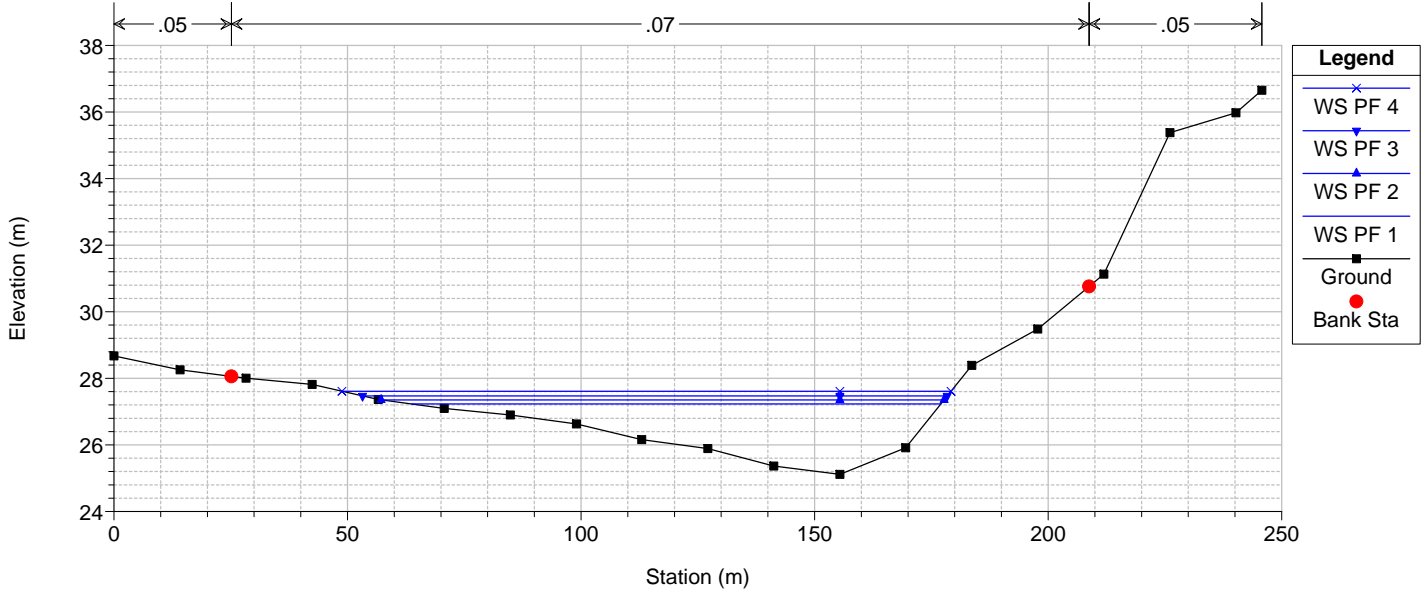
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

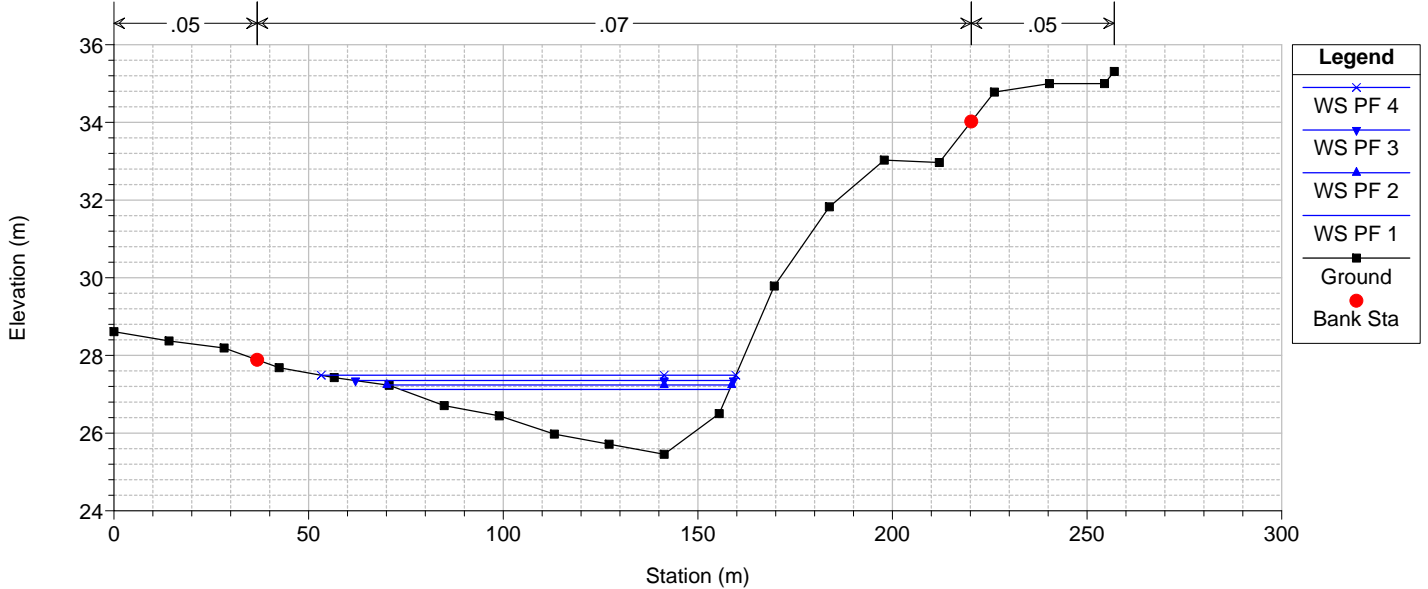
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calvia monte Plan: Plan 07 10/27/2017

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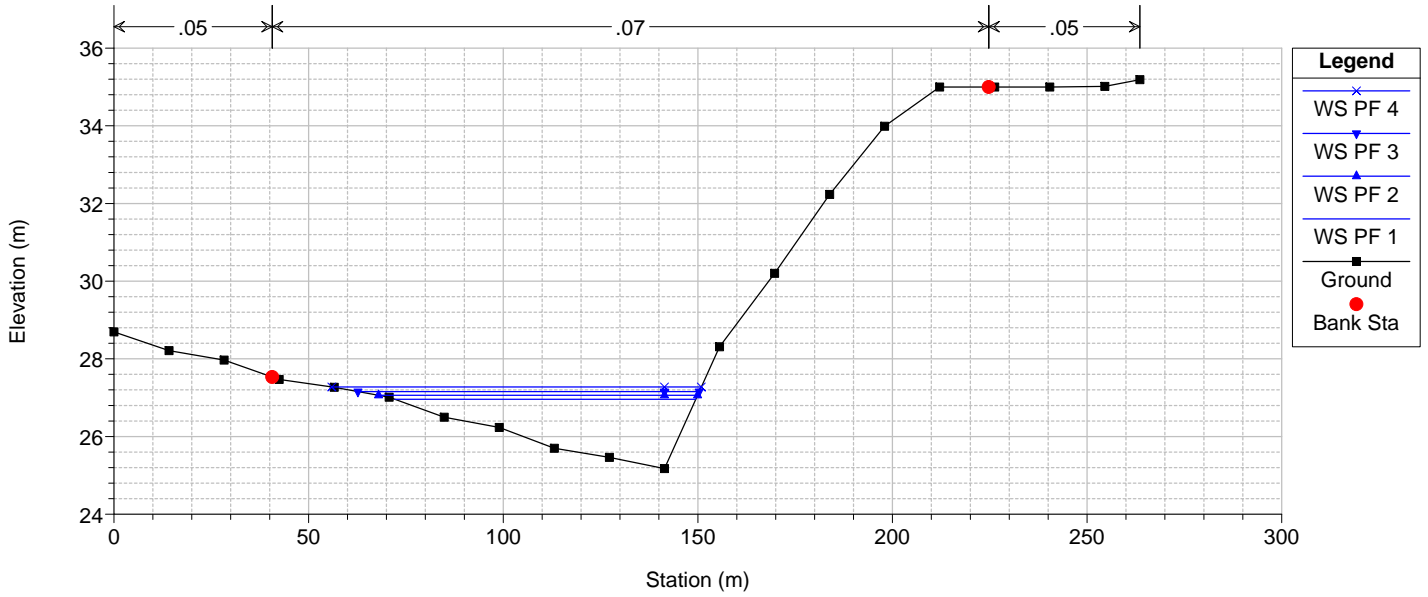
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

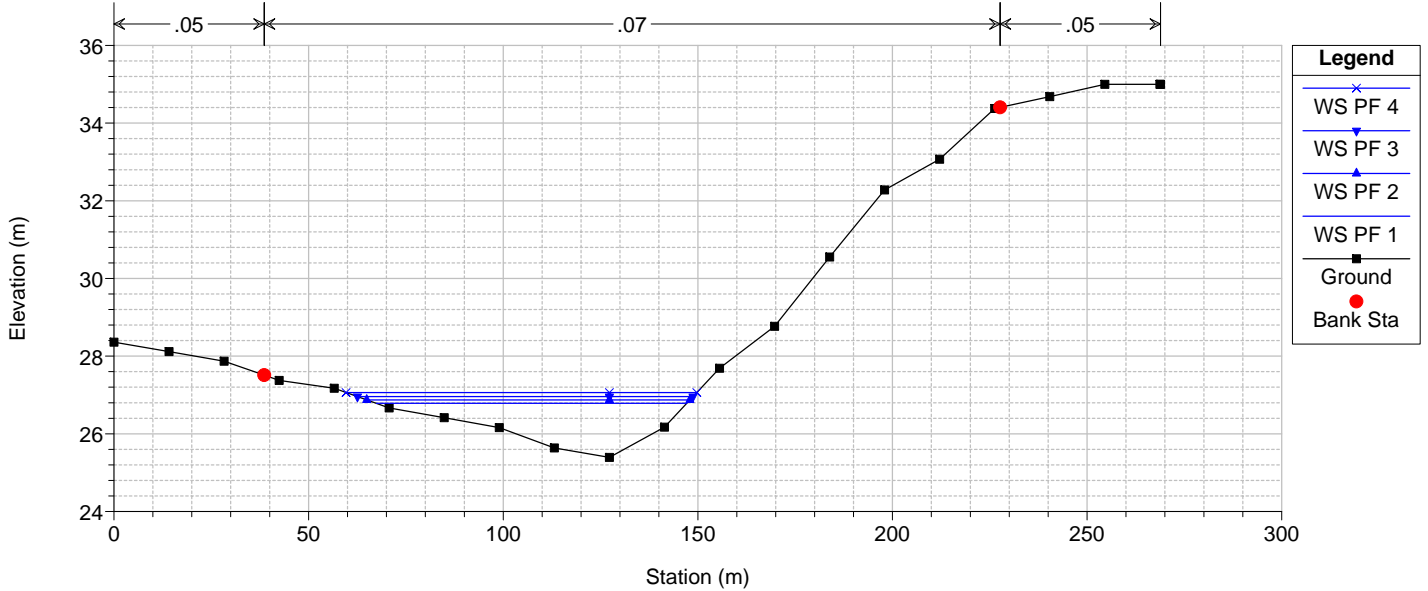
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

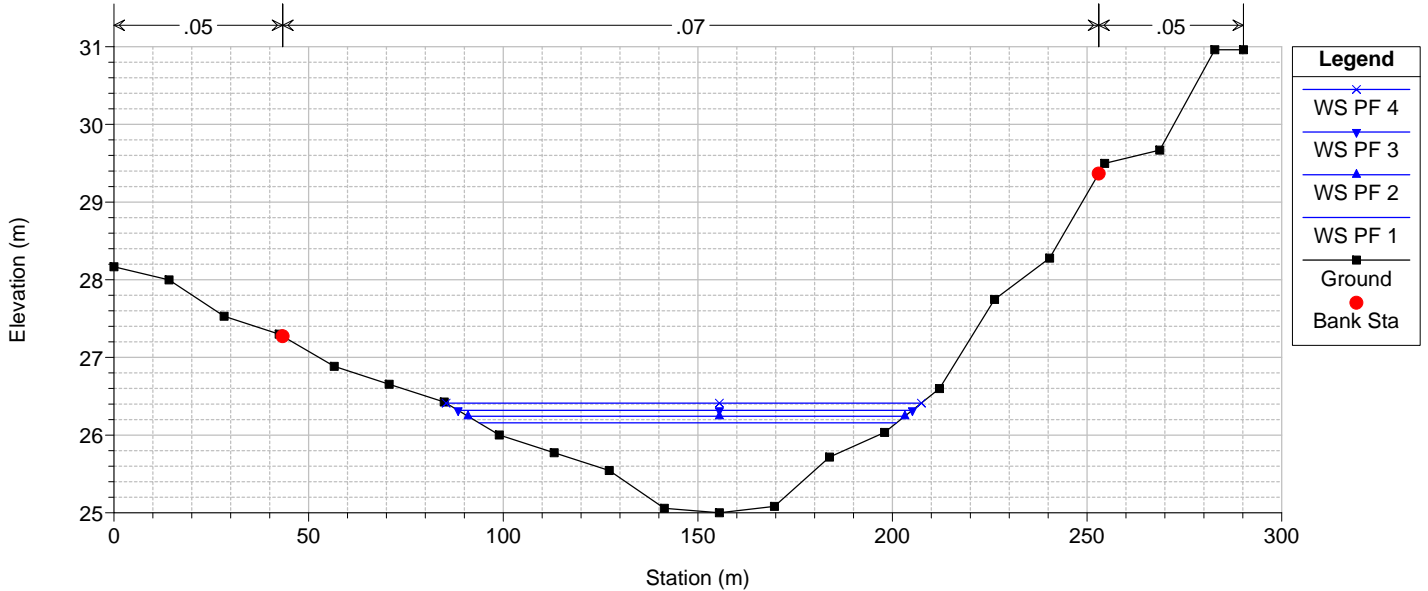
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calvia monte Plan: Plan 07 10/27/2017

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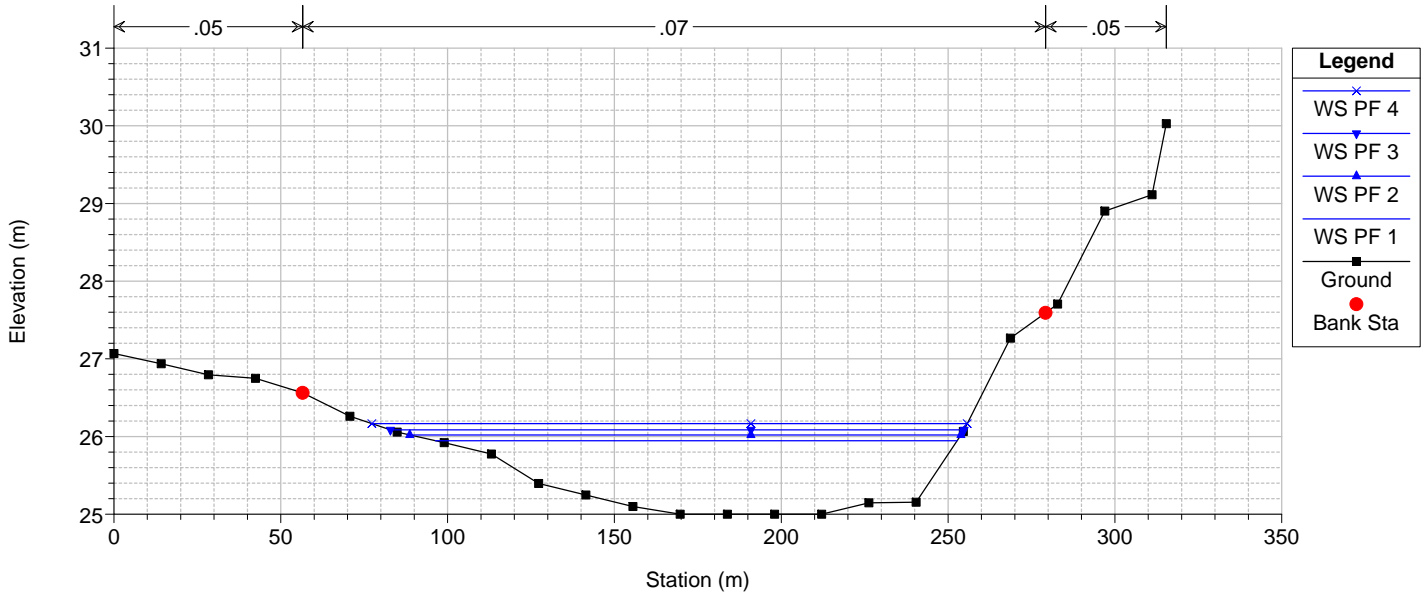
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

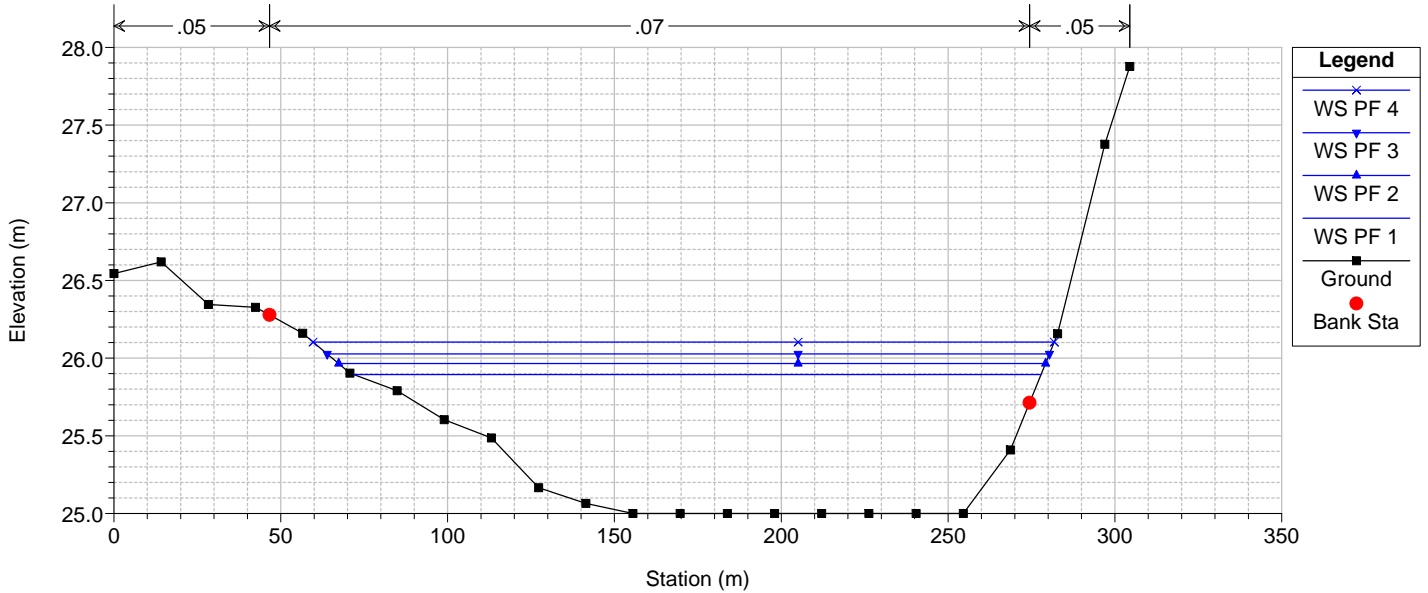
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

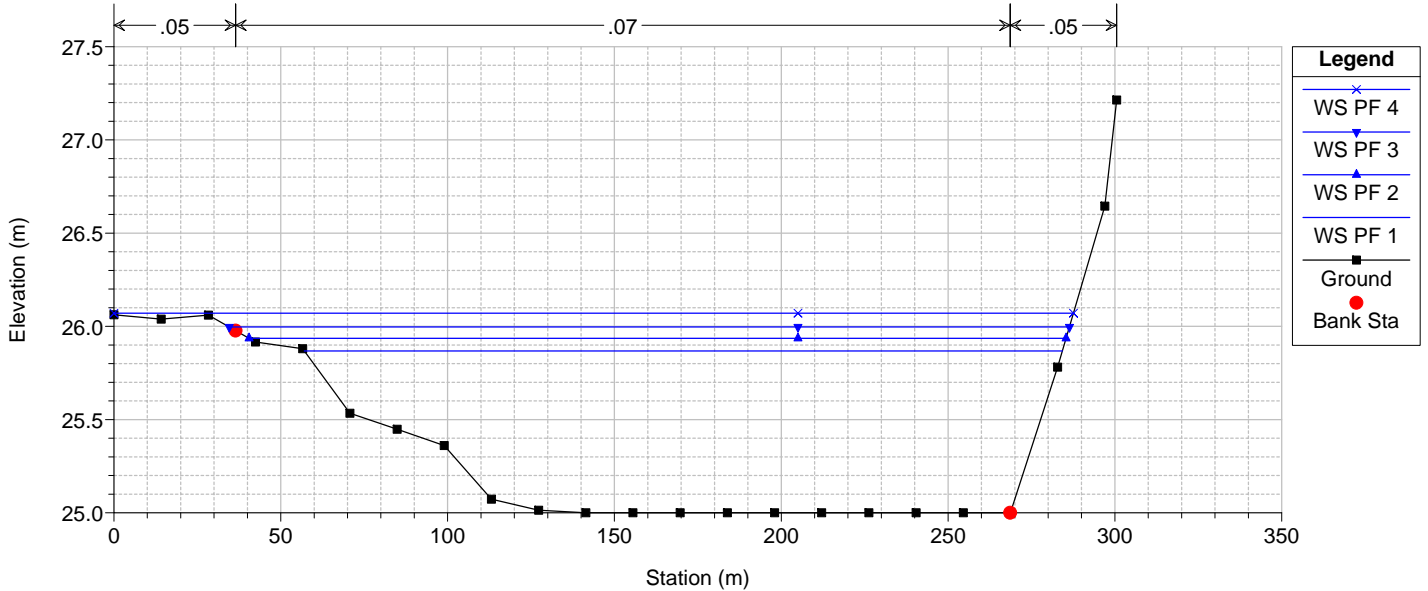
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

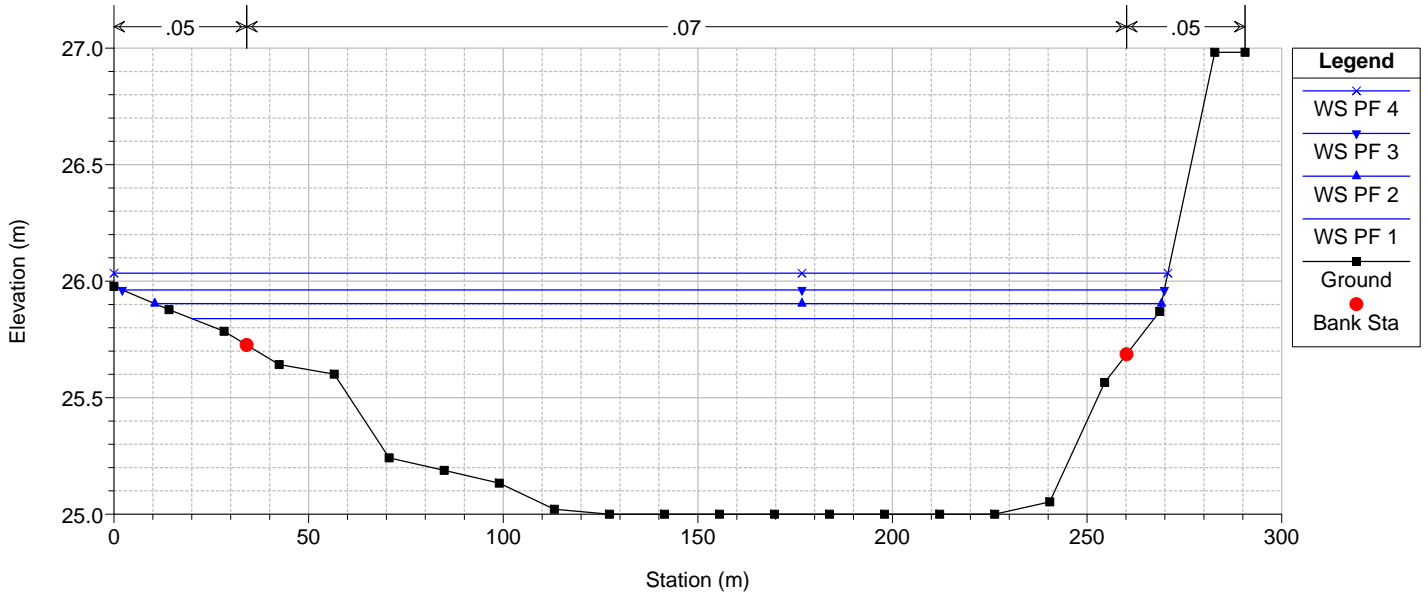
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

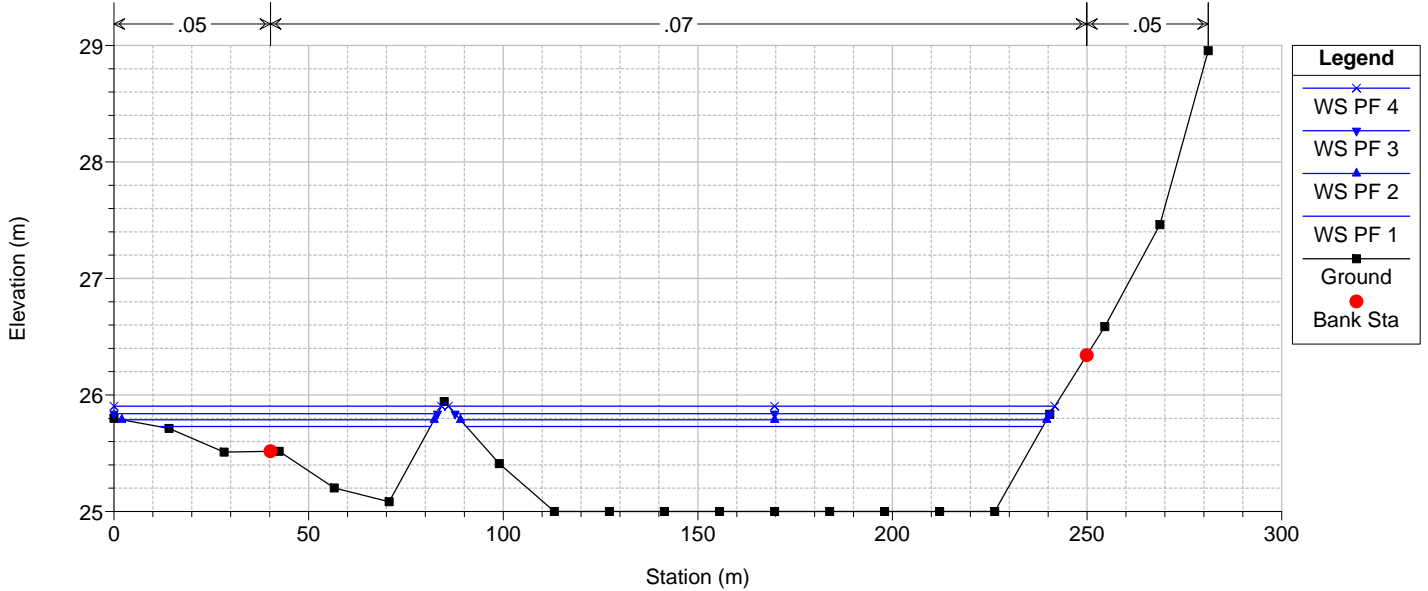
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

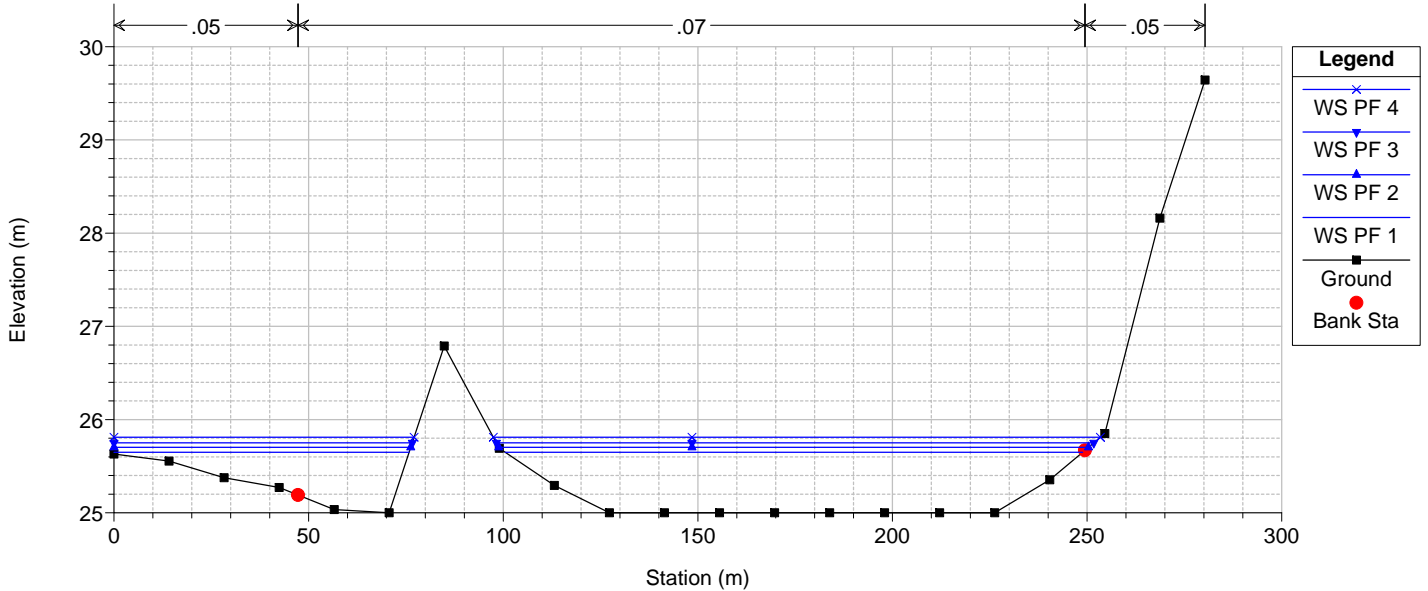
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

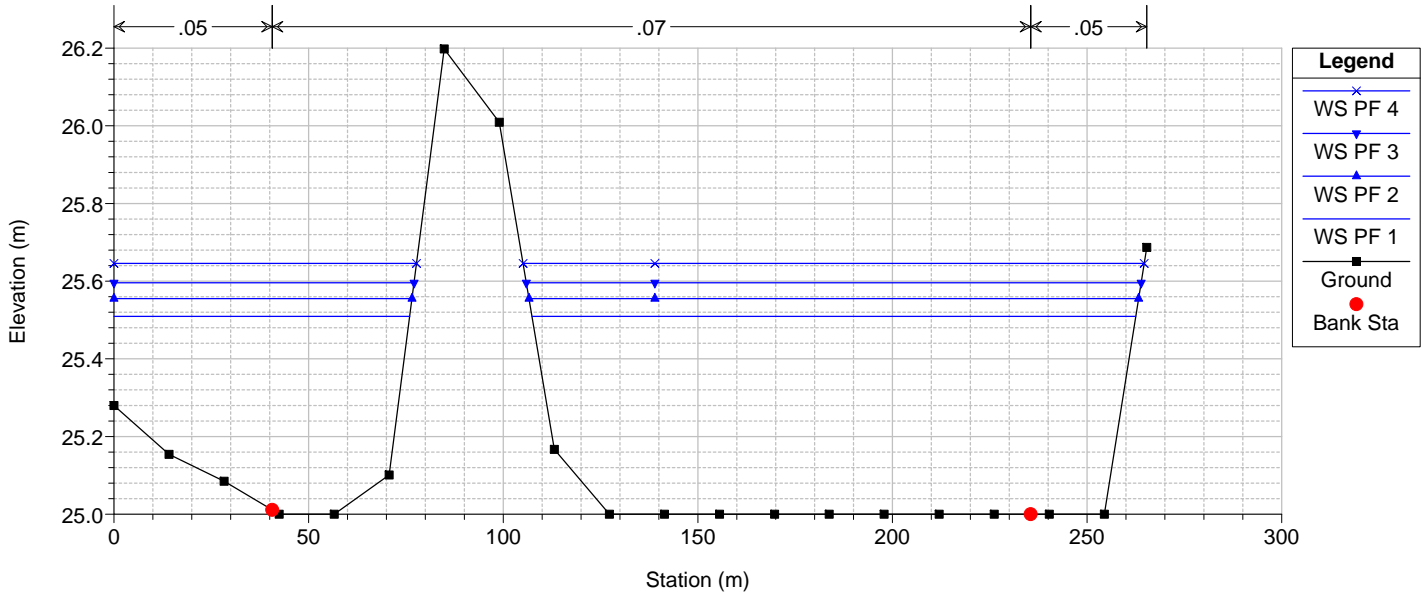
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

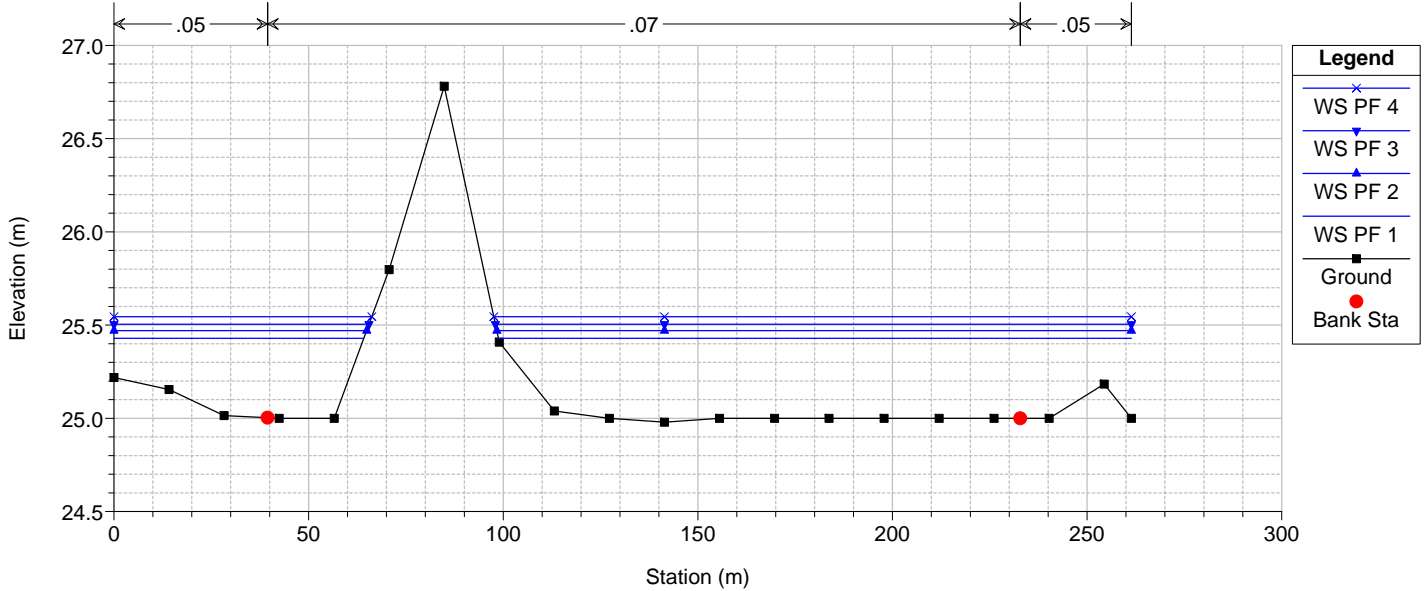
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

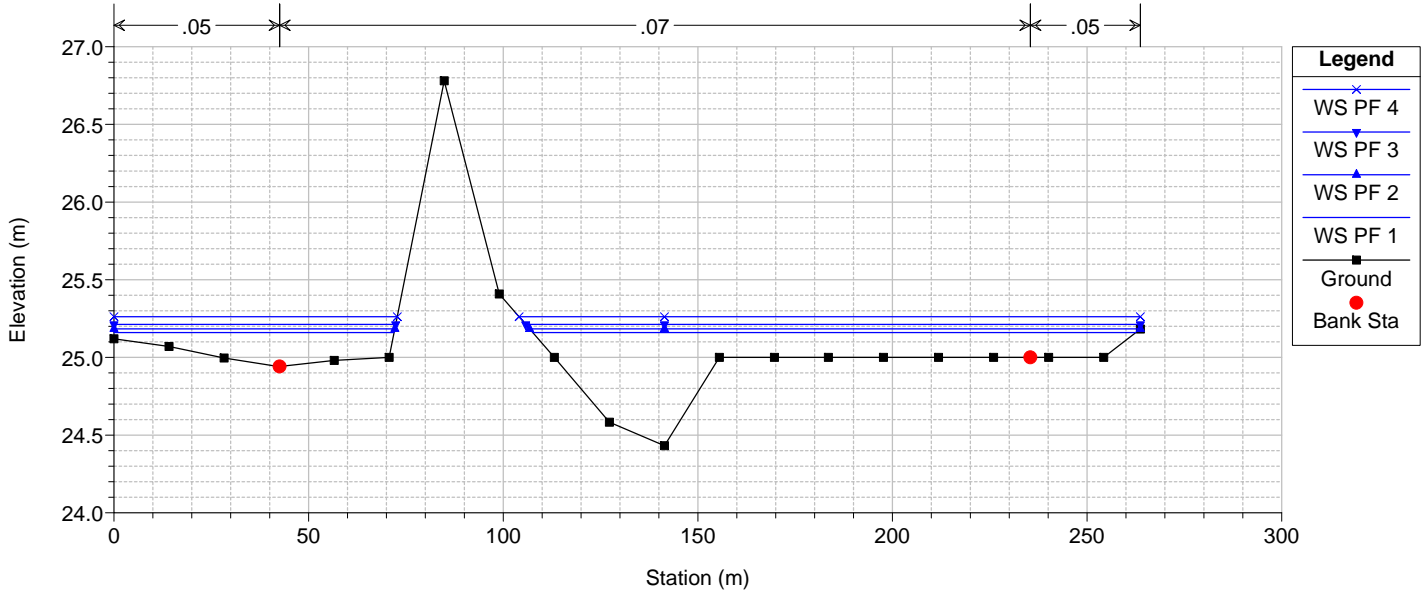
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

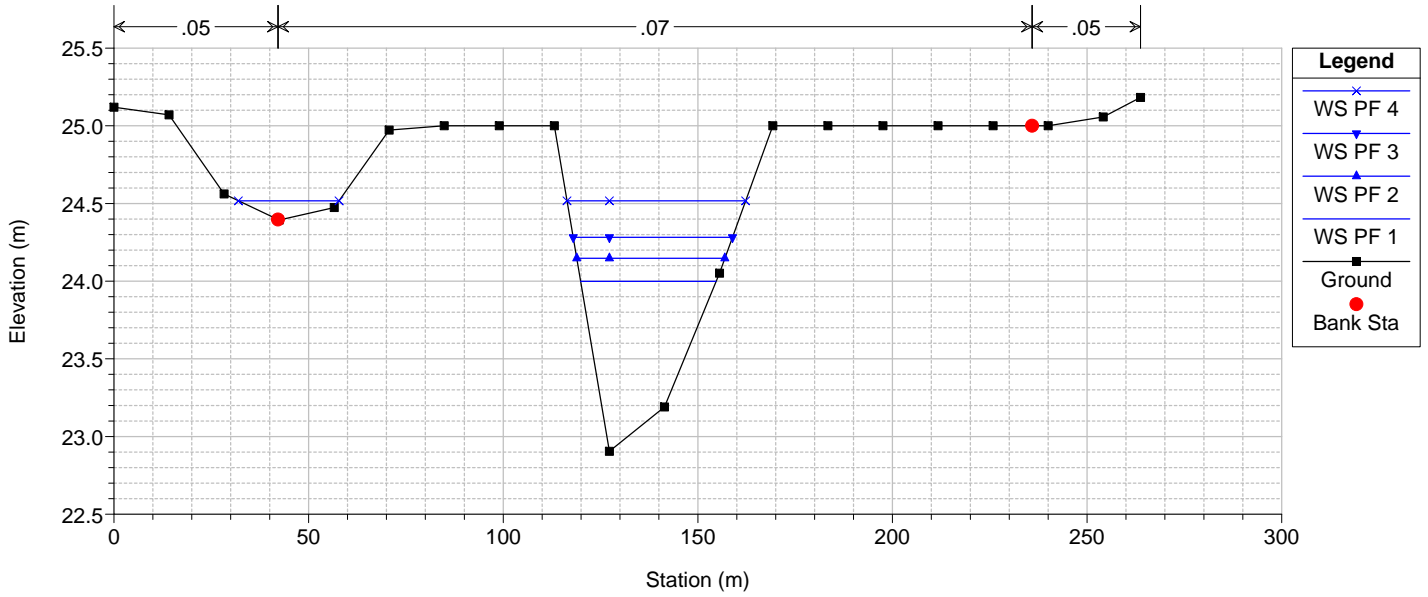
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calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

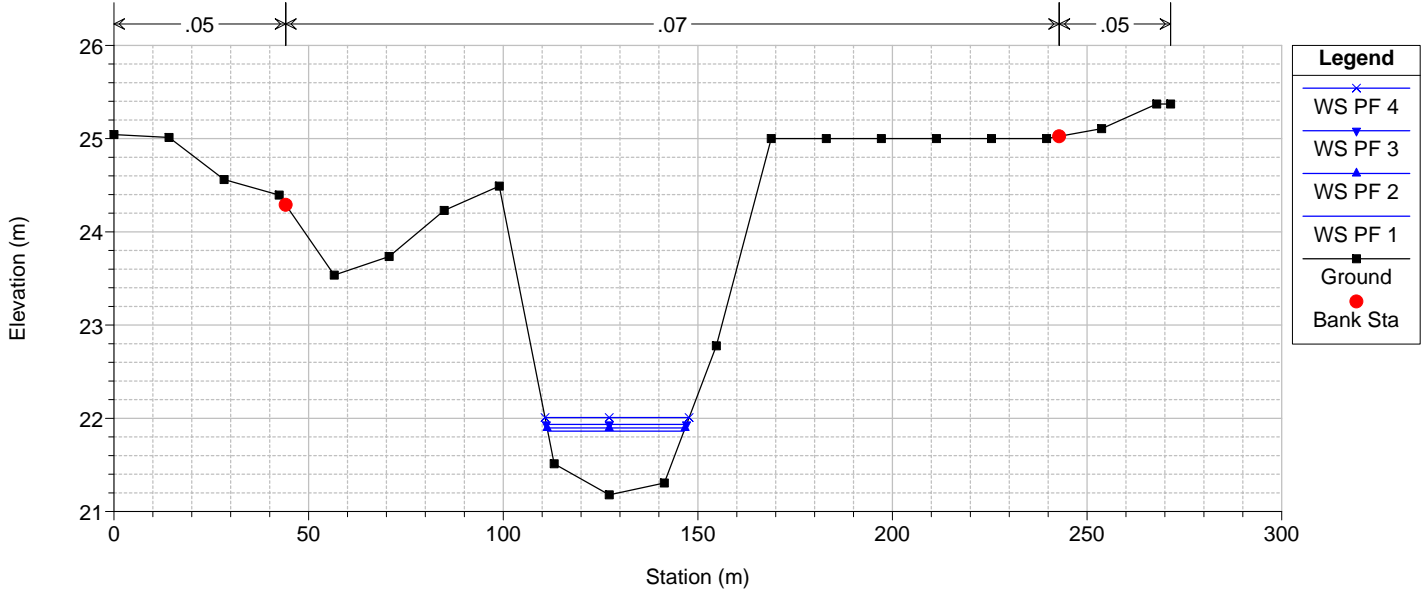
River = Rio Calvia Reach = monte RS = 1768.51 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

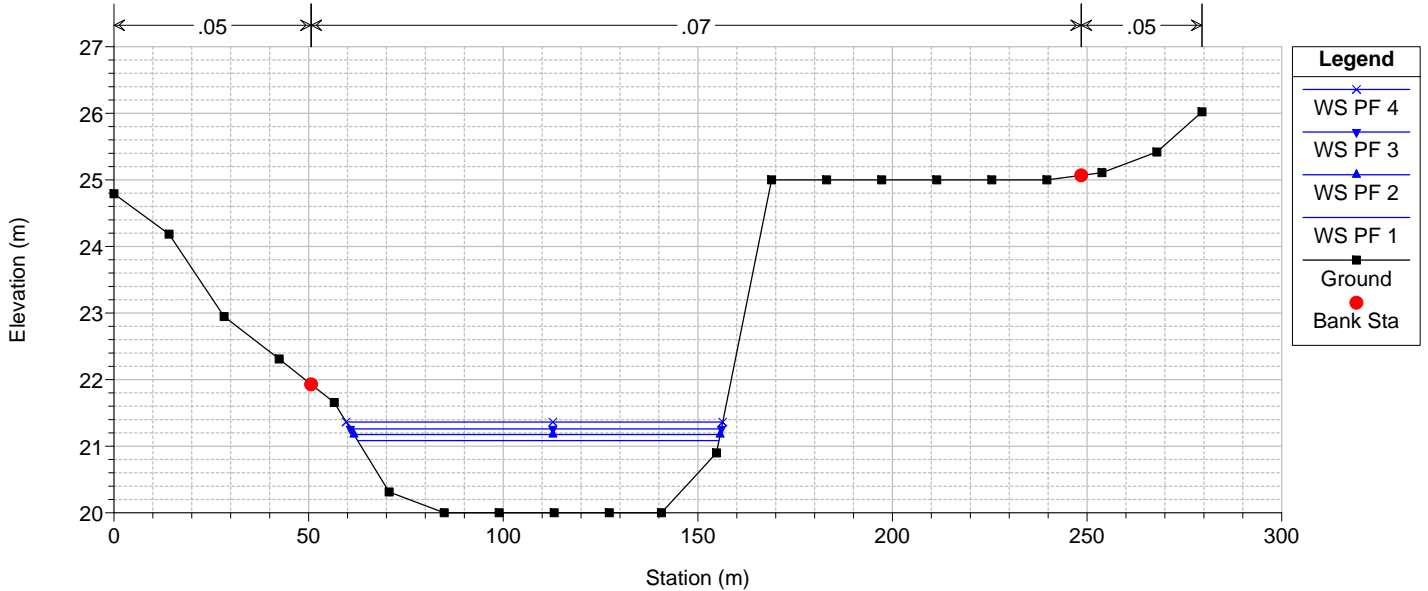
River = Rio Calvia Reach = monte RS = 1753.11 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

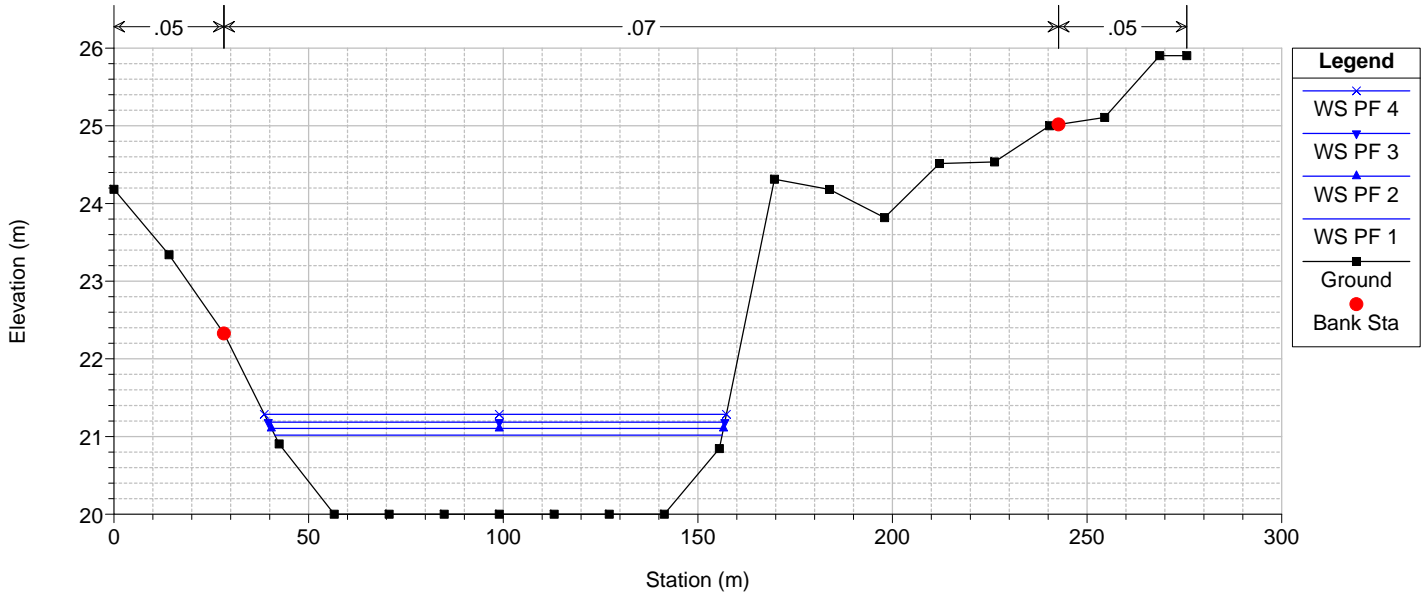
River = Rio Calvia Reach = monte RS = 1731.45 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

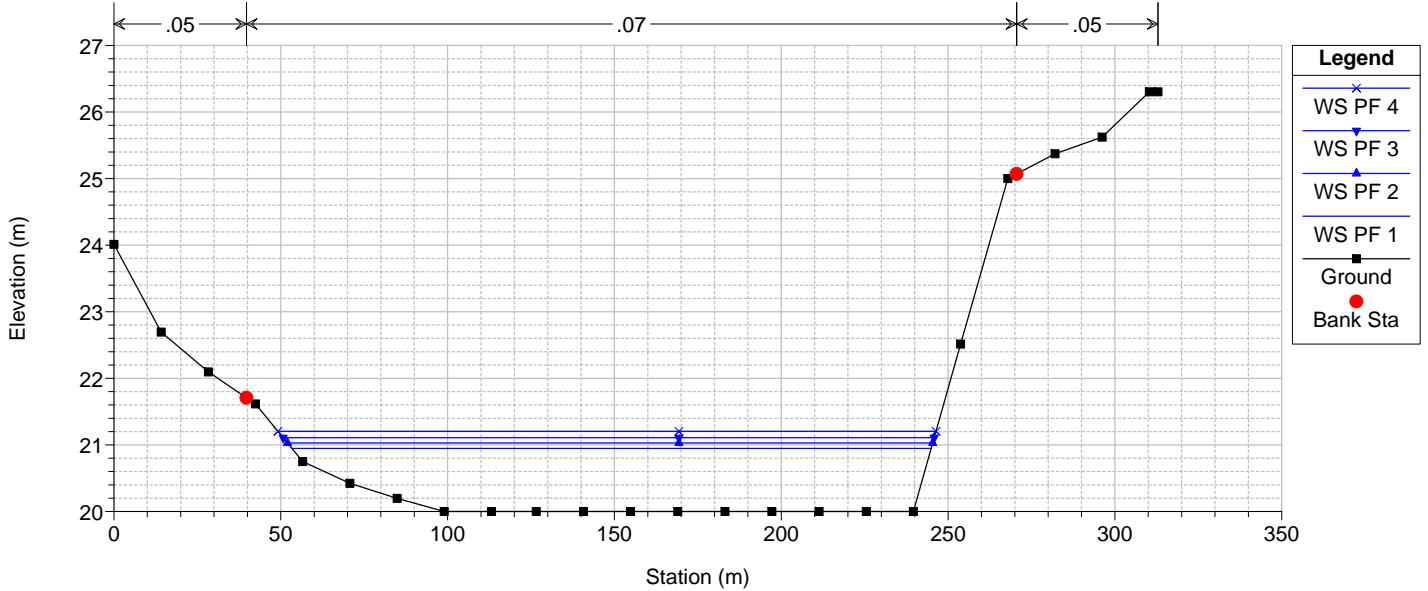
River = Rio Calvia Reach = monte RS = 1707.19 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

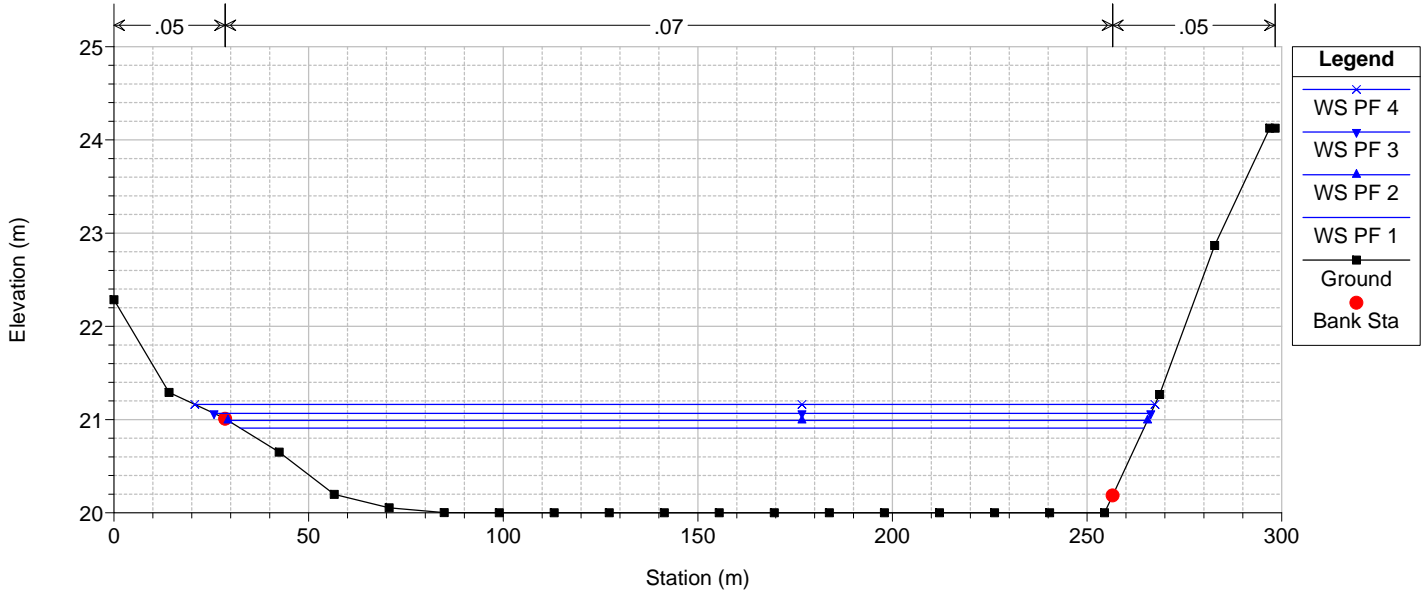
River = Rio Calvia Reach = monte RS = 1658.16 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

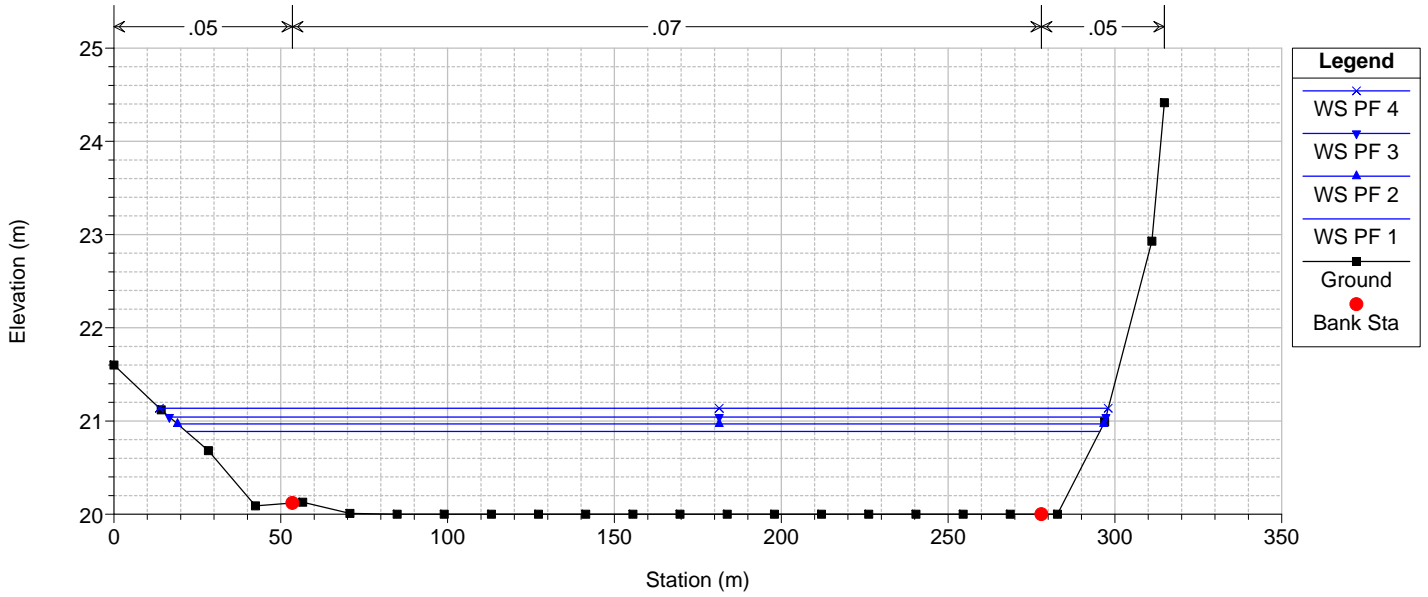
River = Rio Calvia Reach = monte RS = 1617.88 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

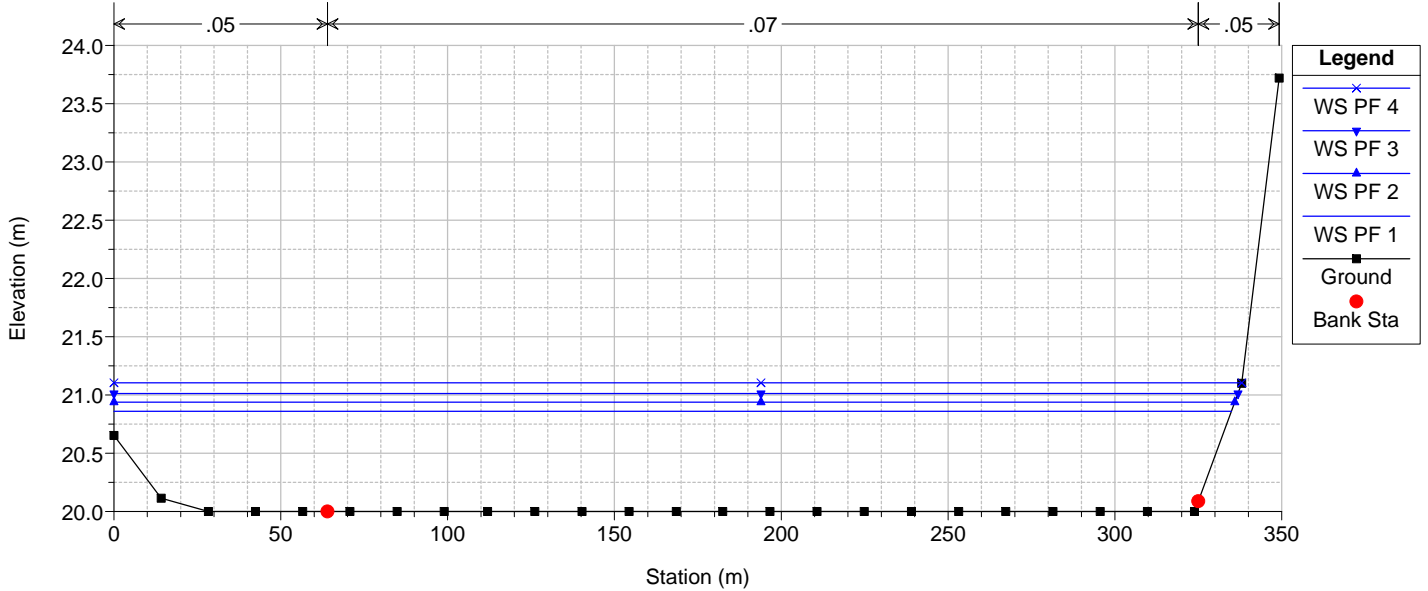
River = Rio Calvia Reach = monte RS = 1584.01 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

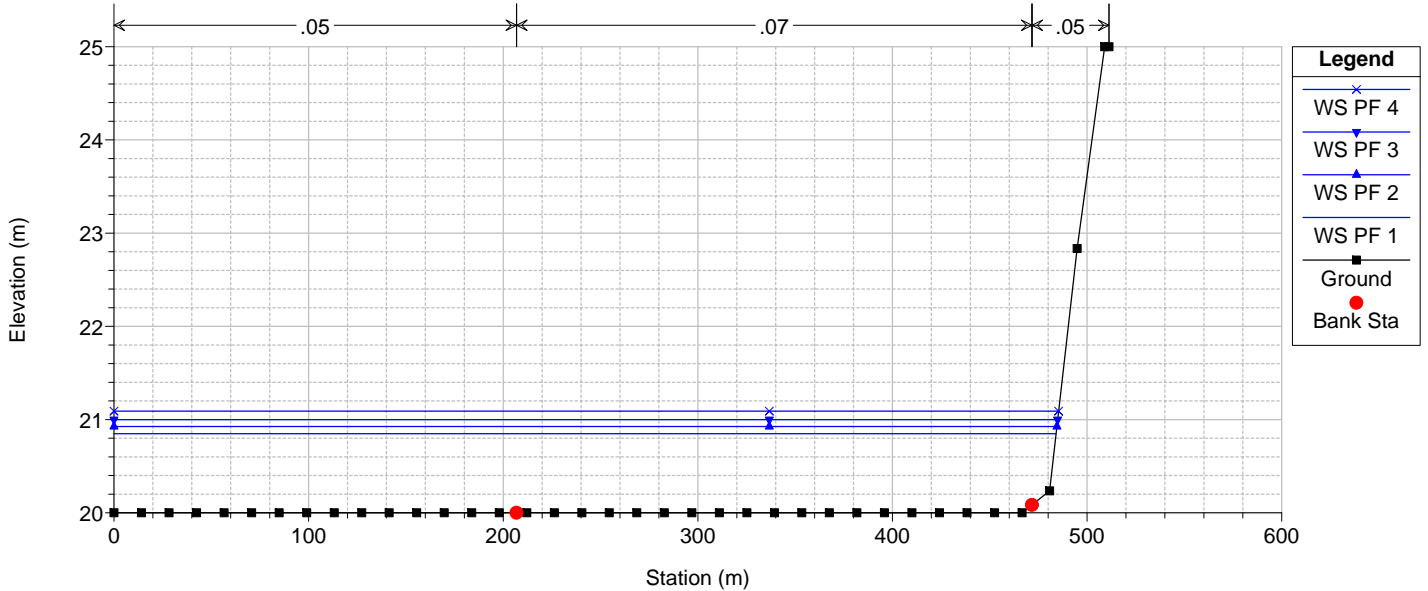
River = Rio Calvia Reach = monte RS = 1508.94 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

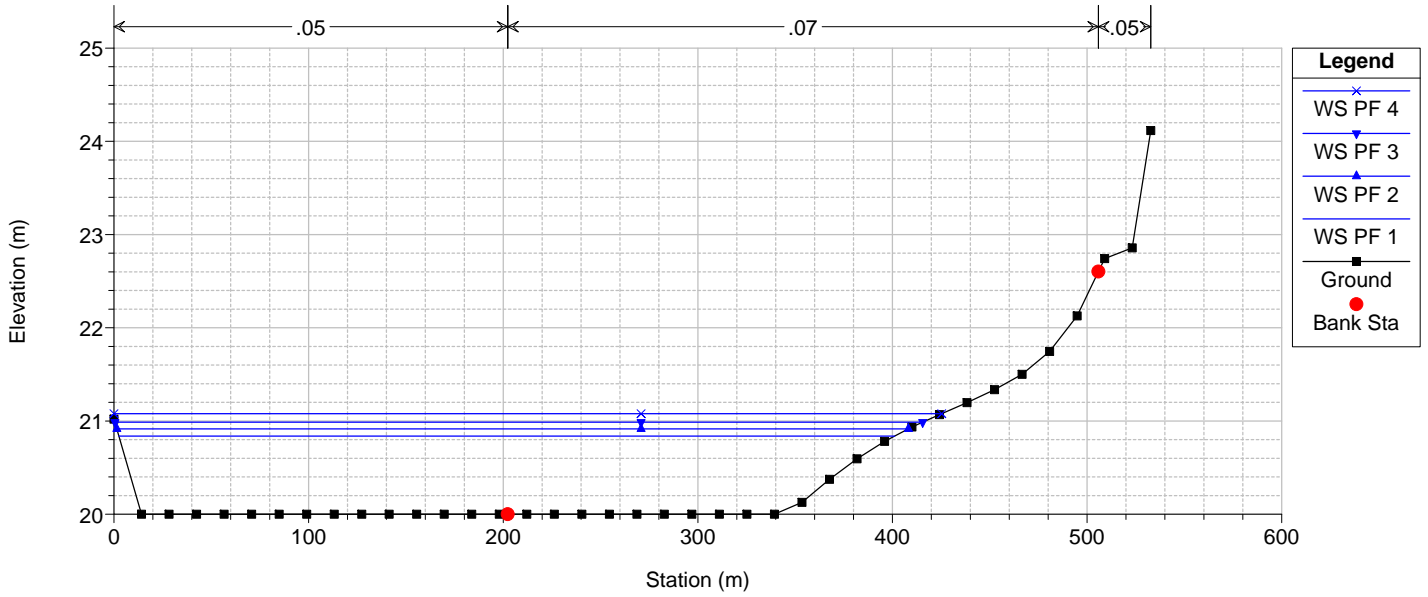
River = Rio Calvia Reach = monte RS = 1456.51 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

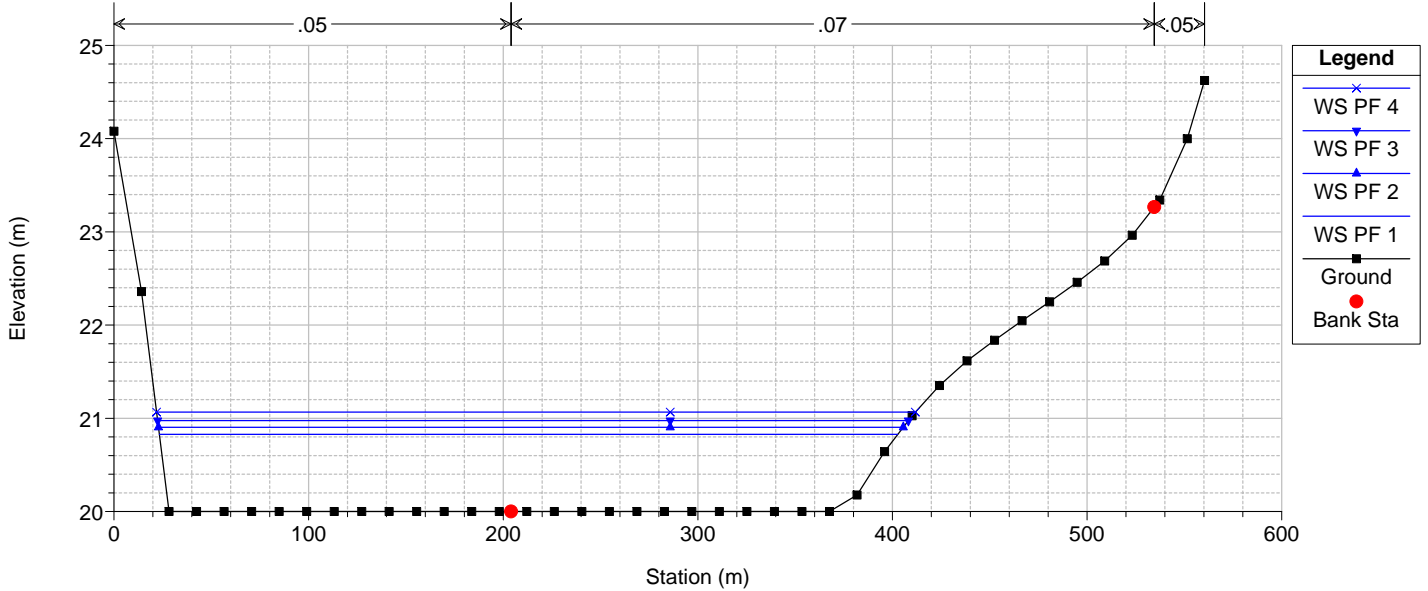
River = Rio Calvia Reach = monte RS = 1411.66 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

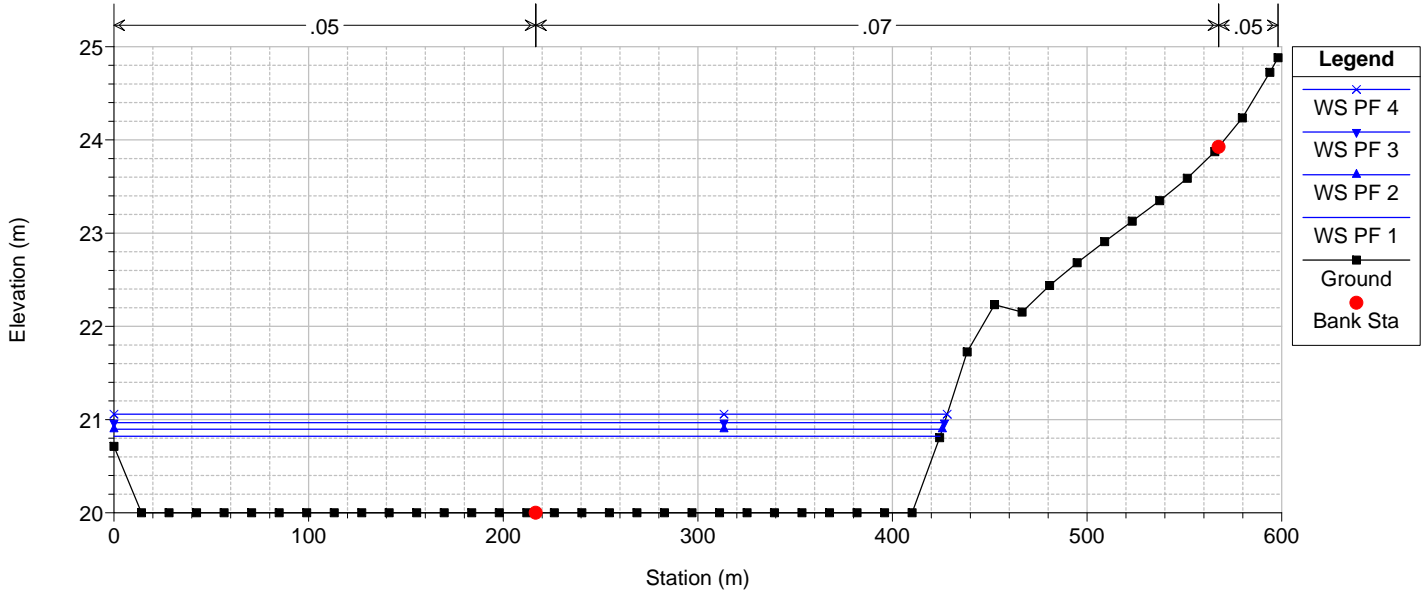
River = Rio Calvia Reach = monte RS = 1380.85 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

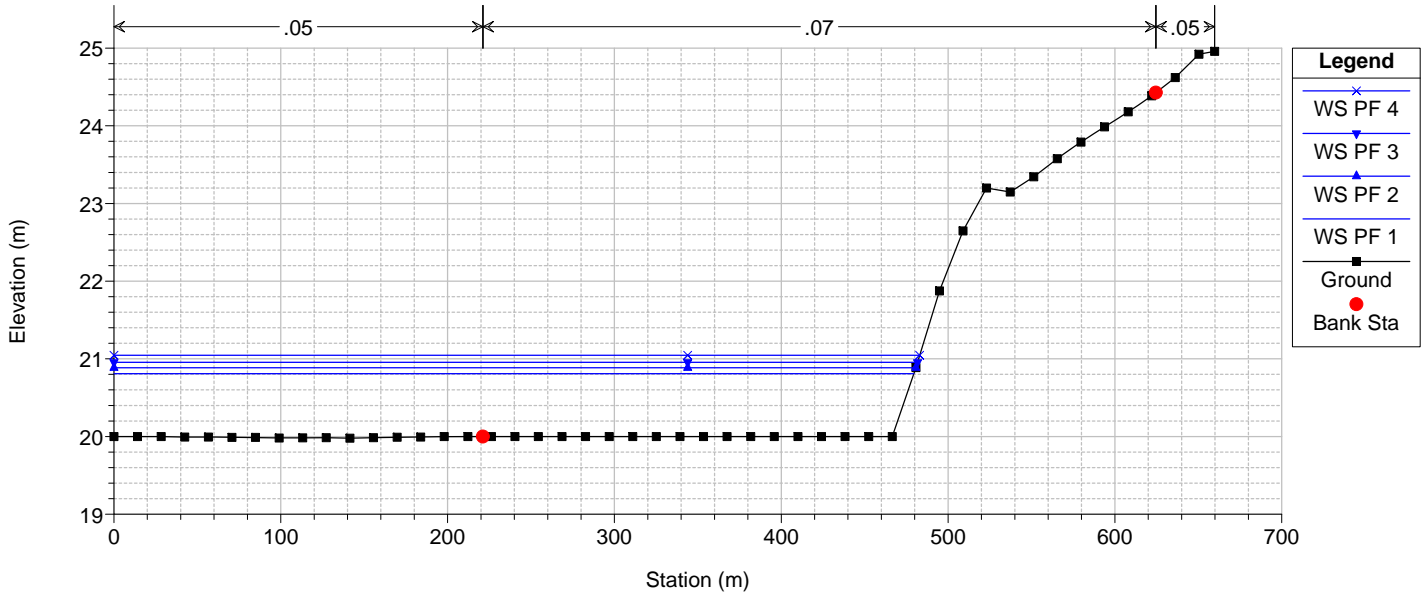
River = Rio Calvia Reach = monte RS = 1349.85 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

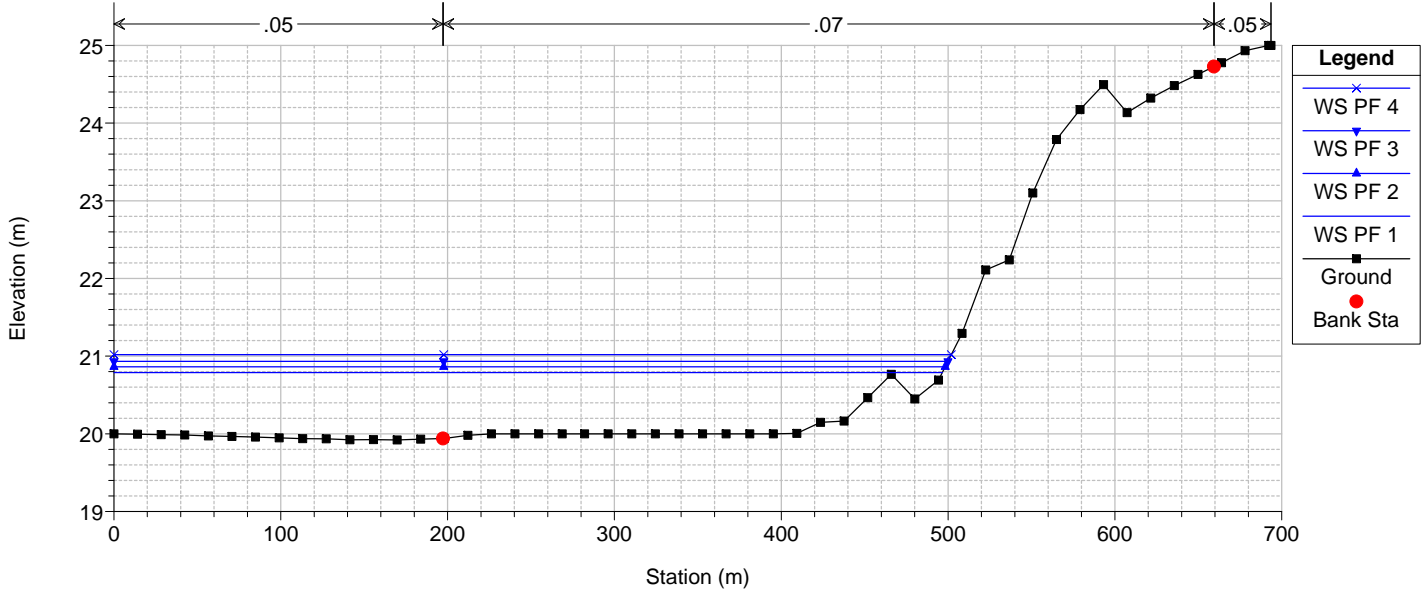
River = Rio Calvia Reach = monte RS = 1323.82 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

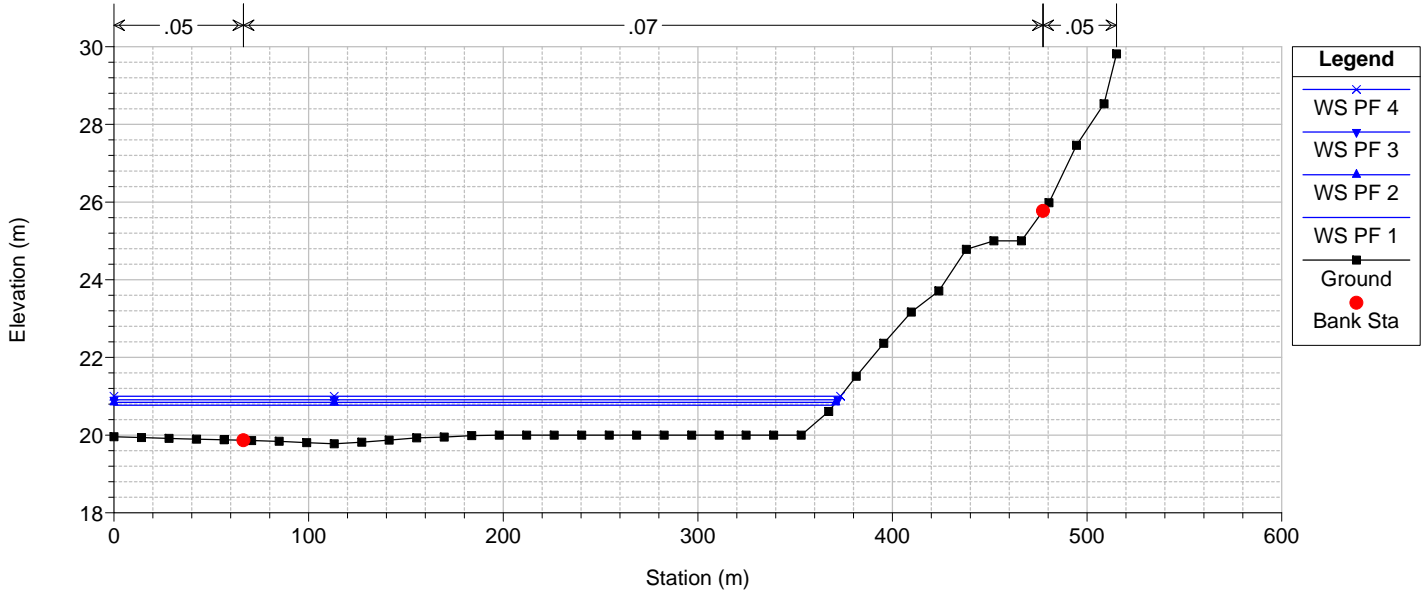
River = Rio Calvia Reach = monte RS = 1137.58 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

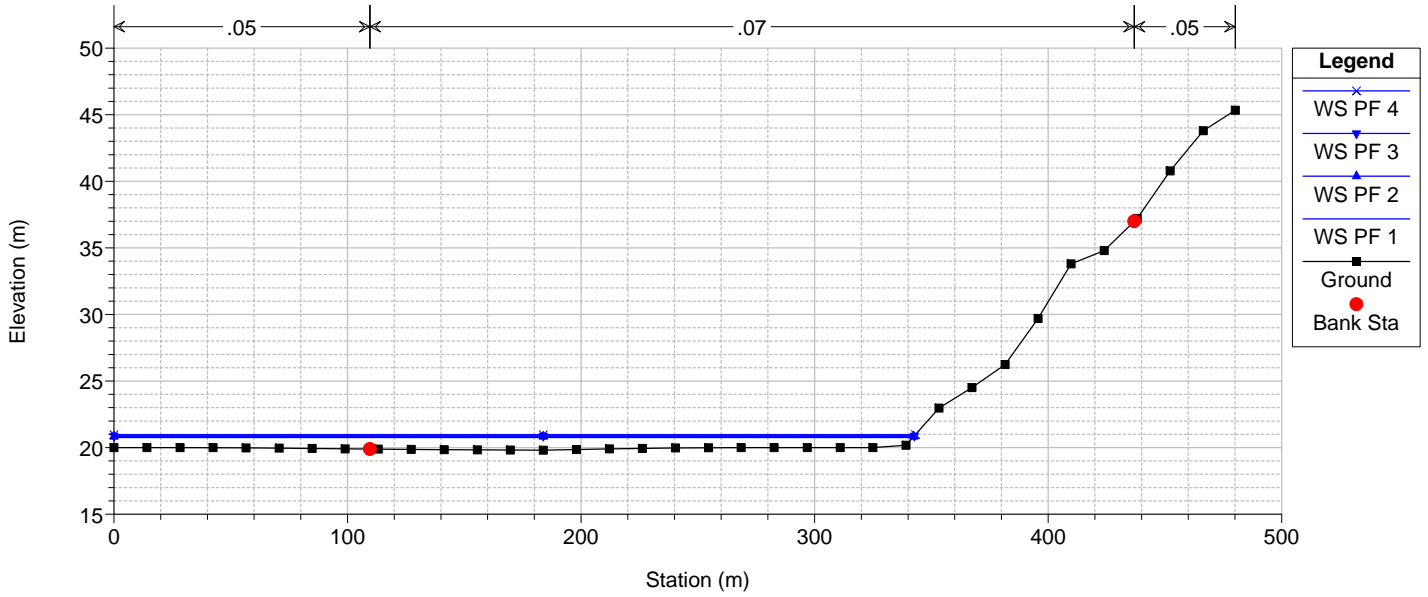
River = Rio Calvia Reach = monte RS = 1083.70 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

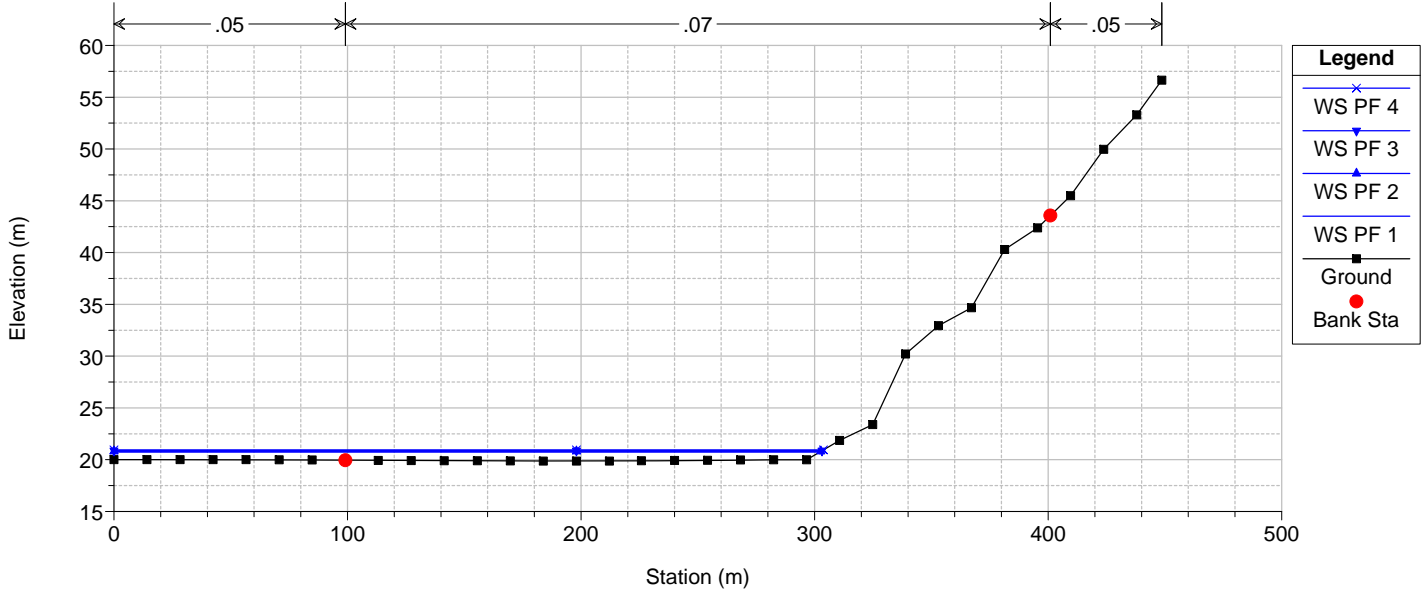
River = Rio Calvia Reach = monte RS = 1018.07 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

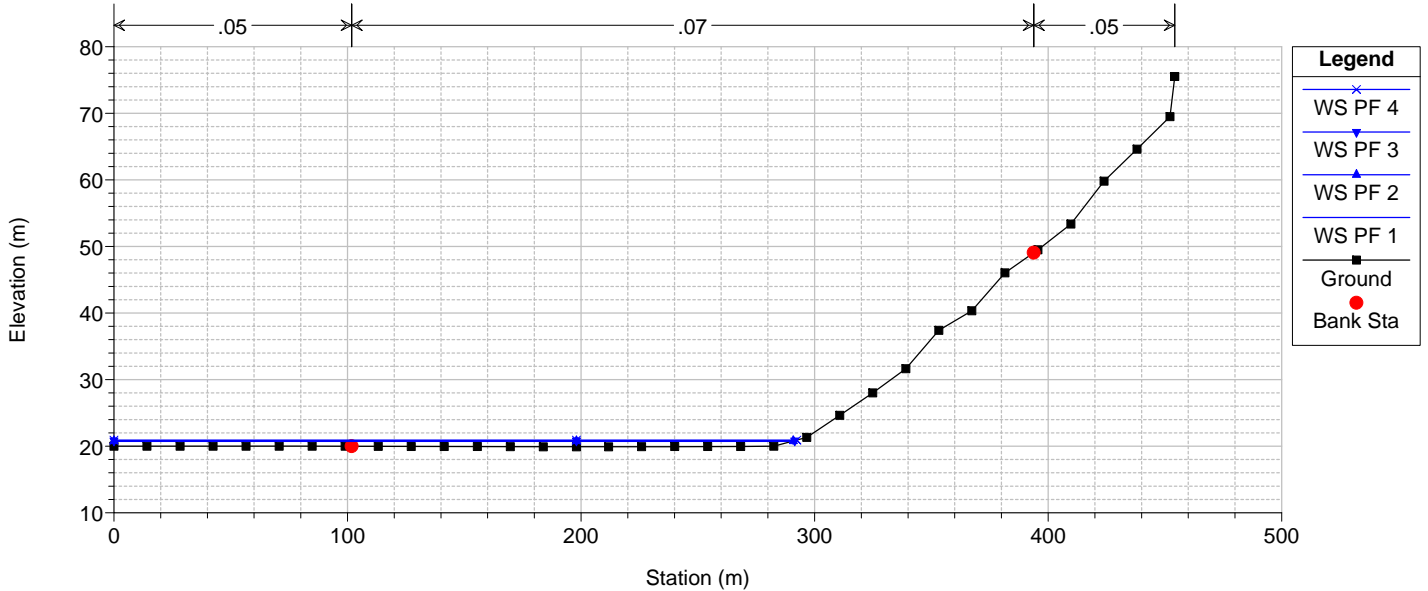
River = Rio Calvia Reach = monte RS = 963.98 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

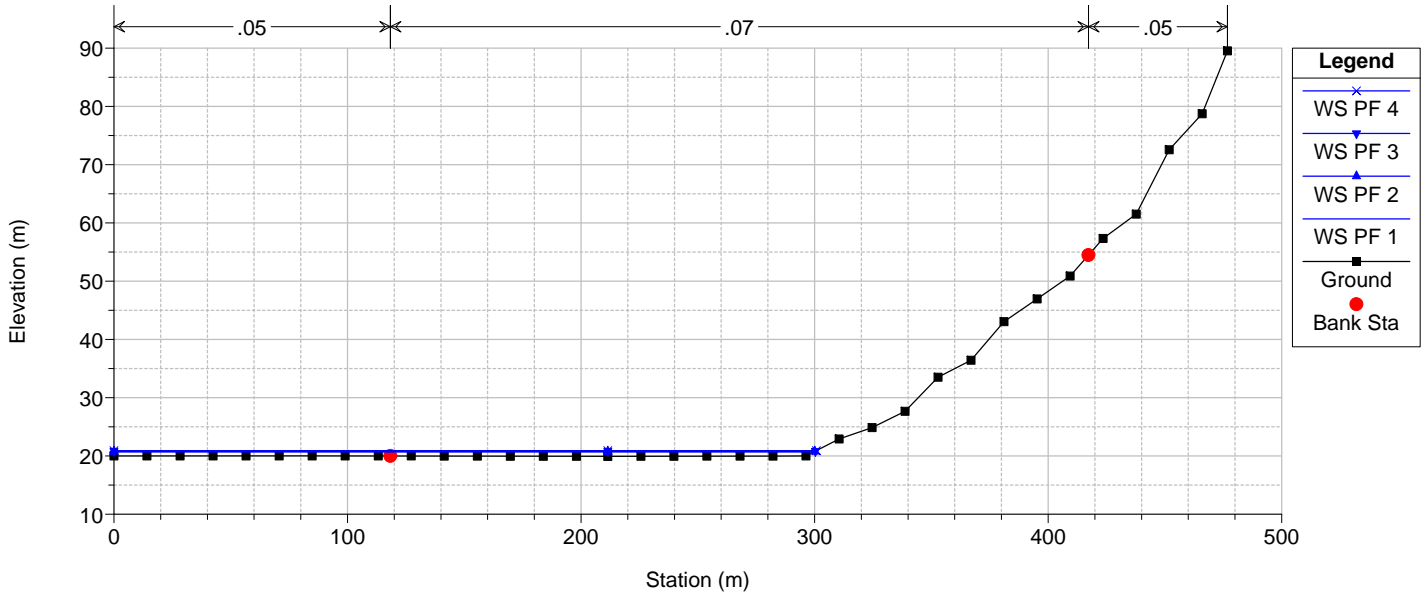
River = Rio Calvia Reach = monte RS = 915.58 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

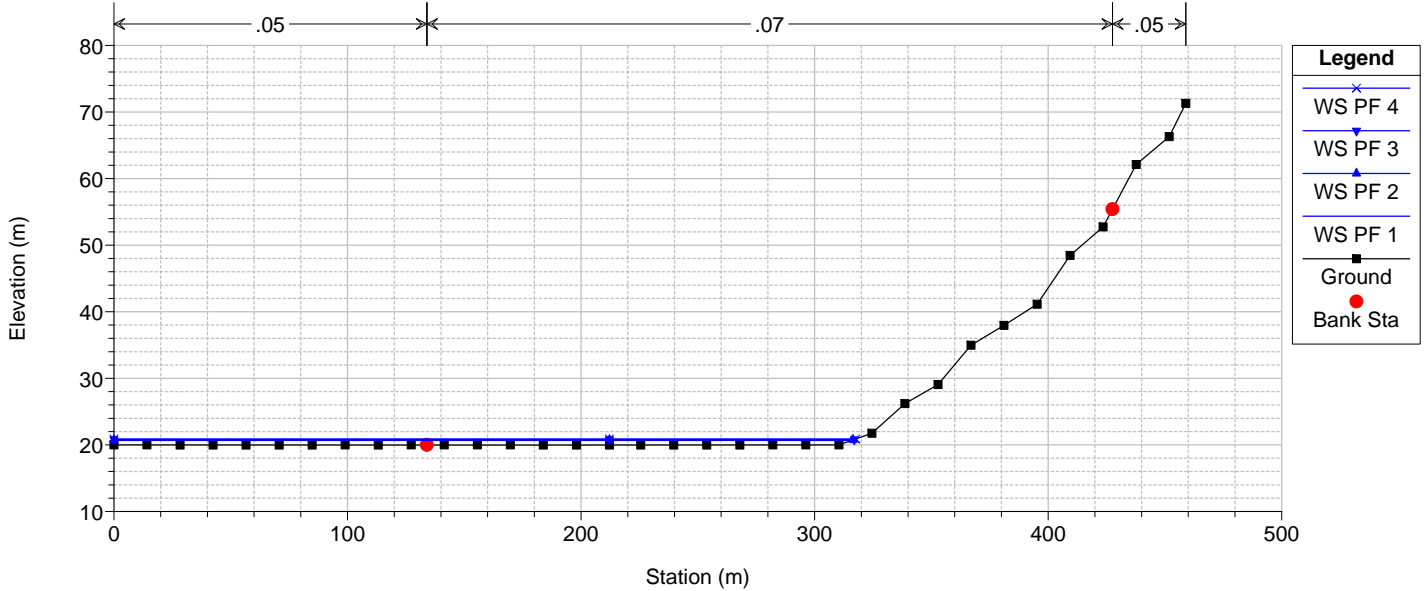
River = Rio Calvia Reach = monte RS = 889.79 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

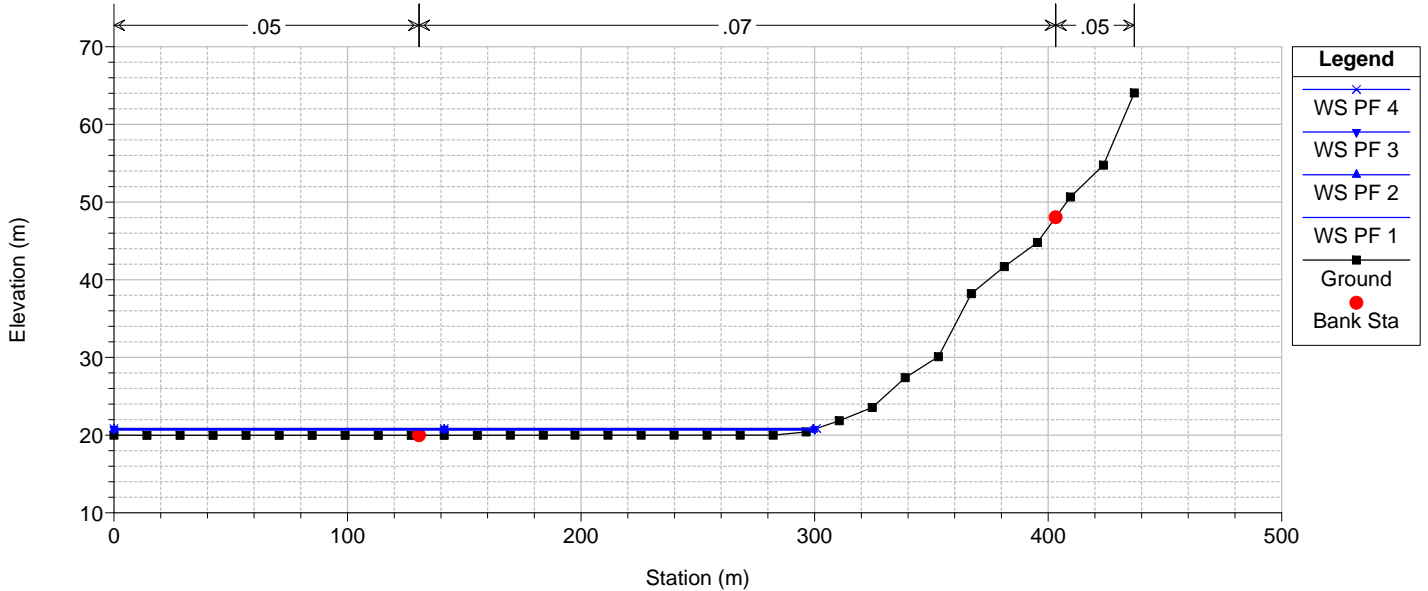
River = Rio Calvia Reach = monte RS = 860.63 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

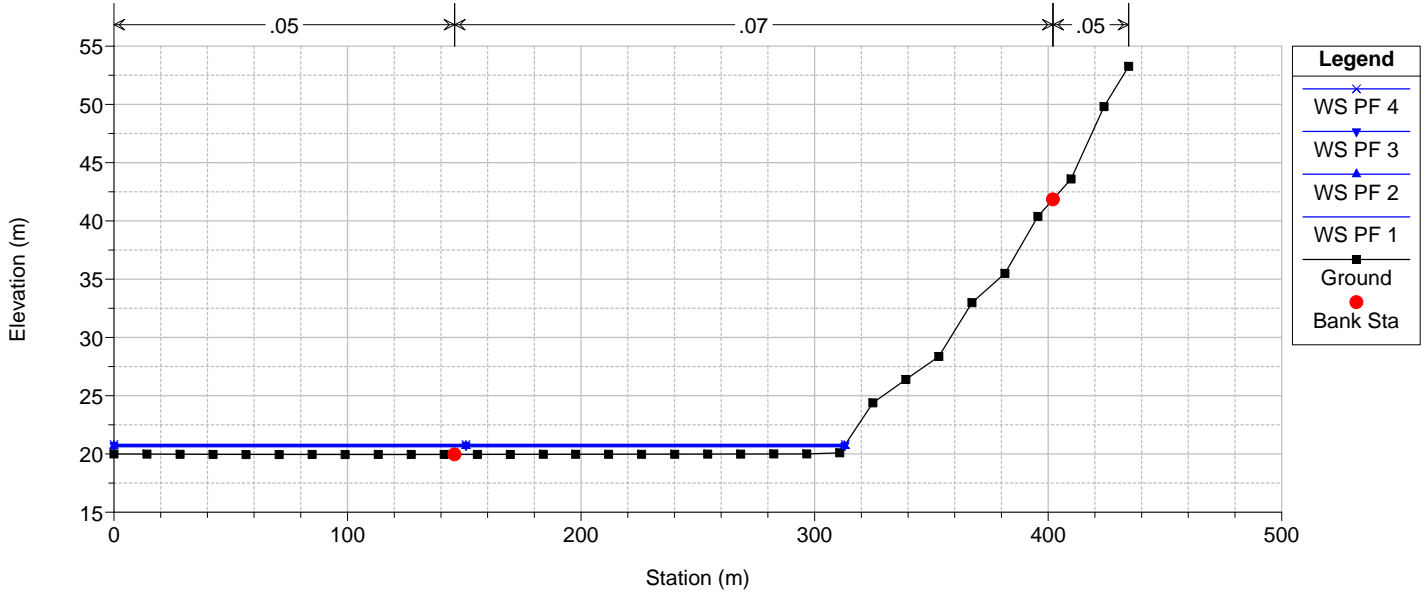
River = Rio Calvia Reach = monte RS = 811.17 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

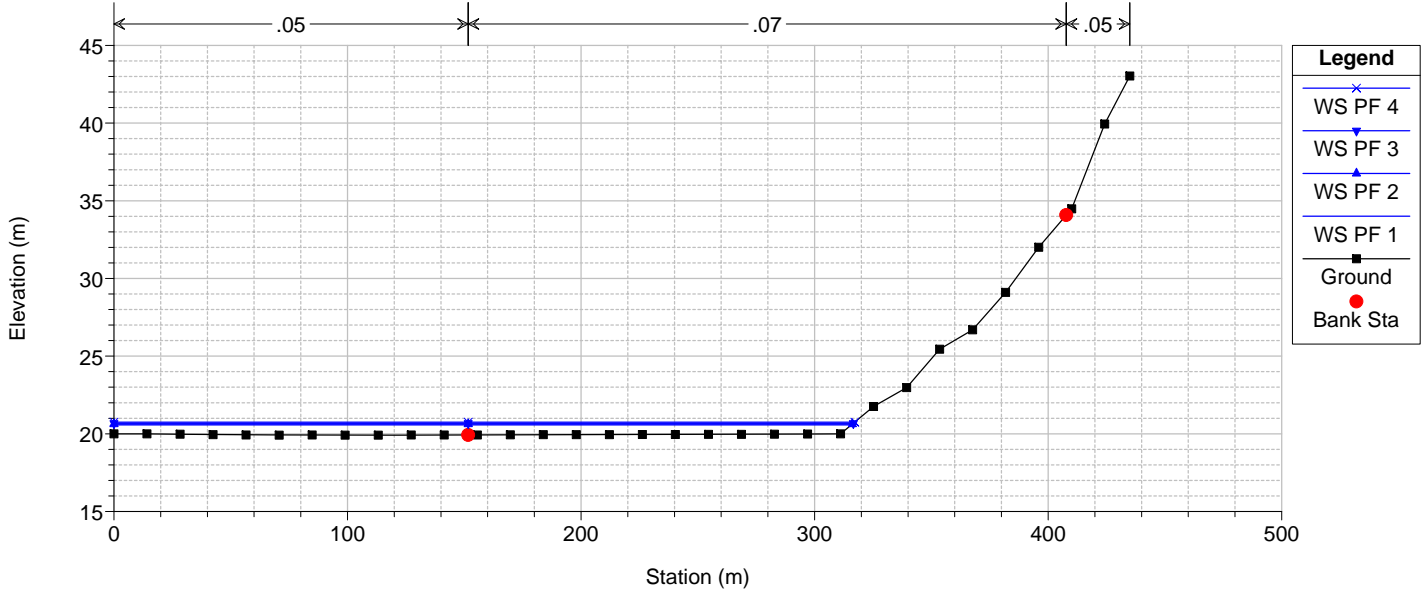
River = Rio Calvia Reach = monte RS = 766.01 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

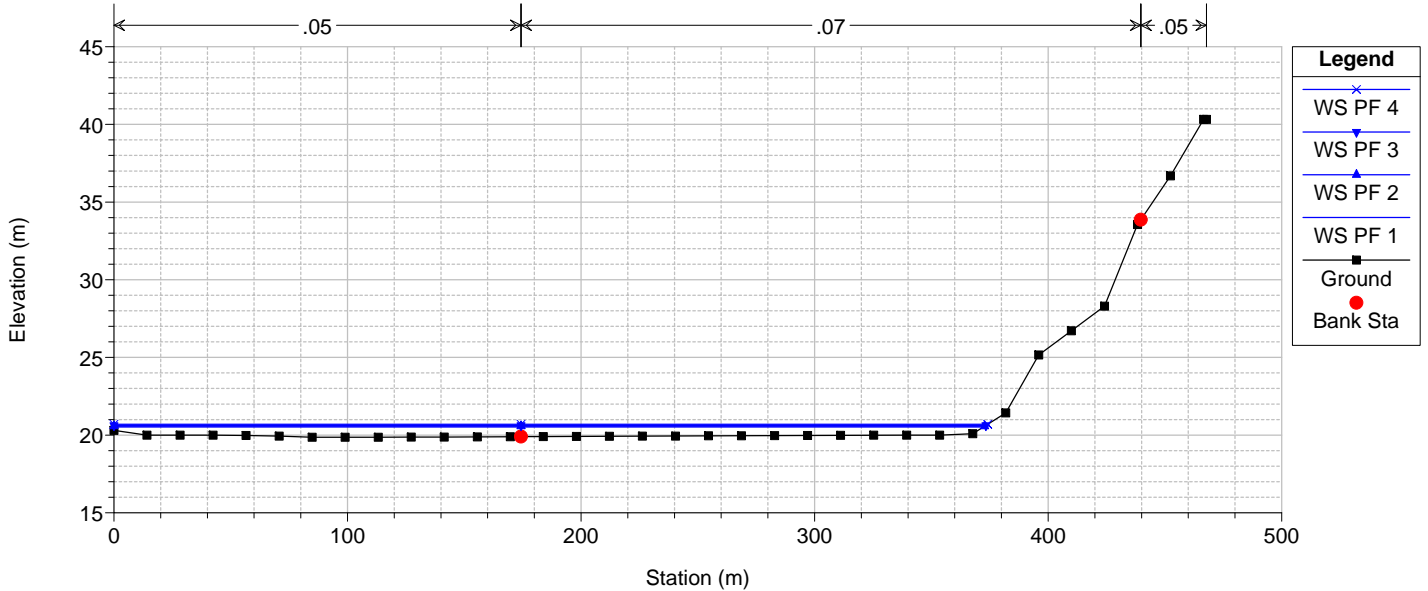
River = Rio Calvia Reach = monte RS = 692.54 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

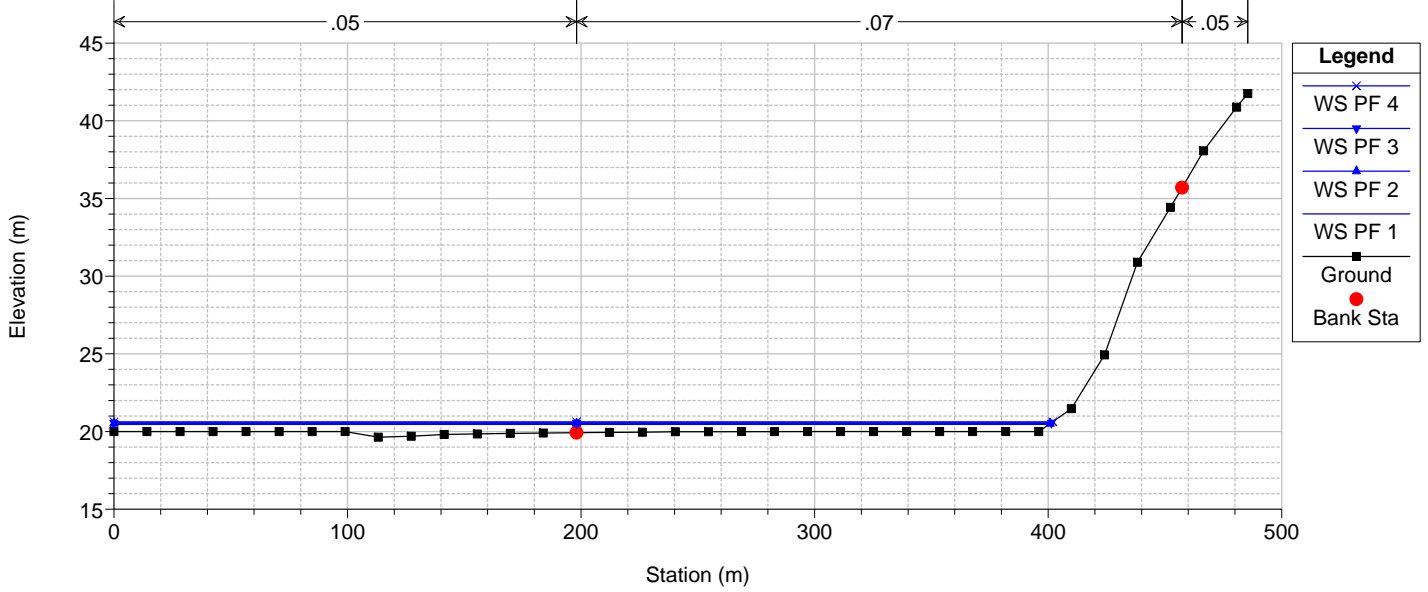
River = Rio Calvia Reach = monte RS = 635.09 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

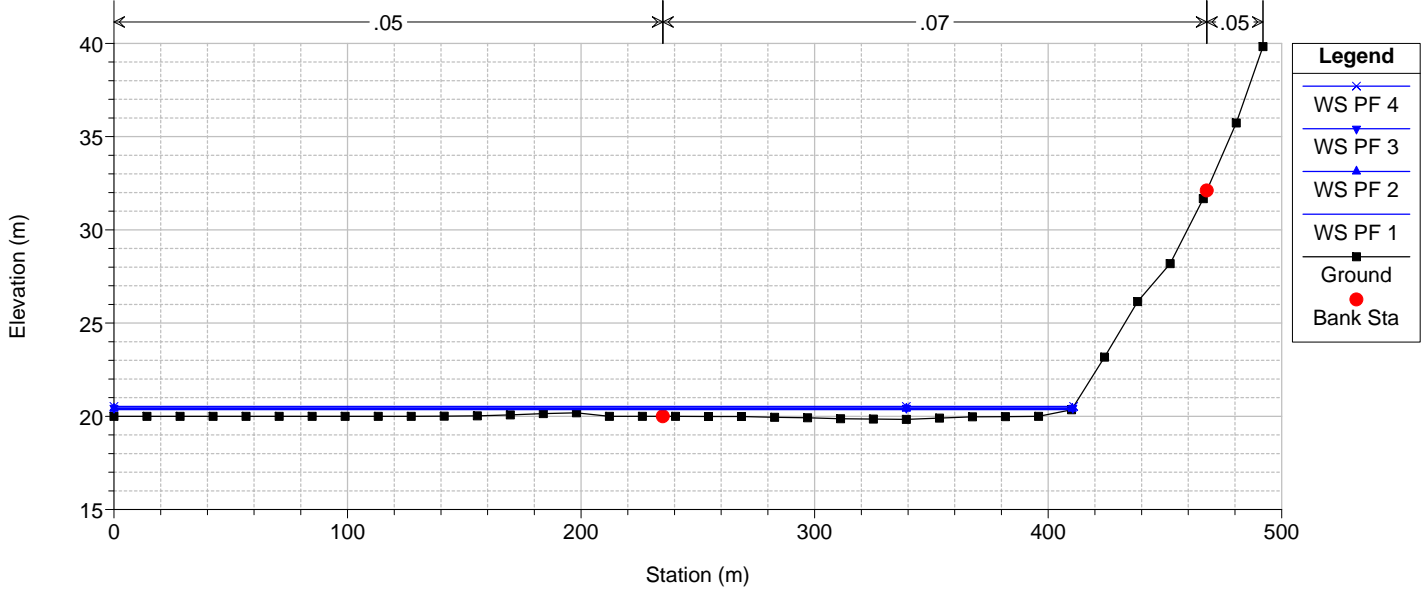
River = Rio Calvia Reach = monte RS = 572.62 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

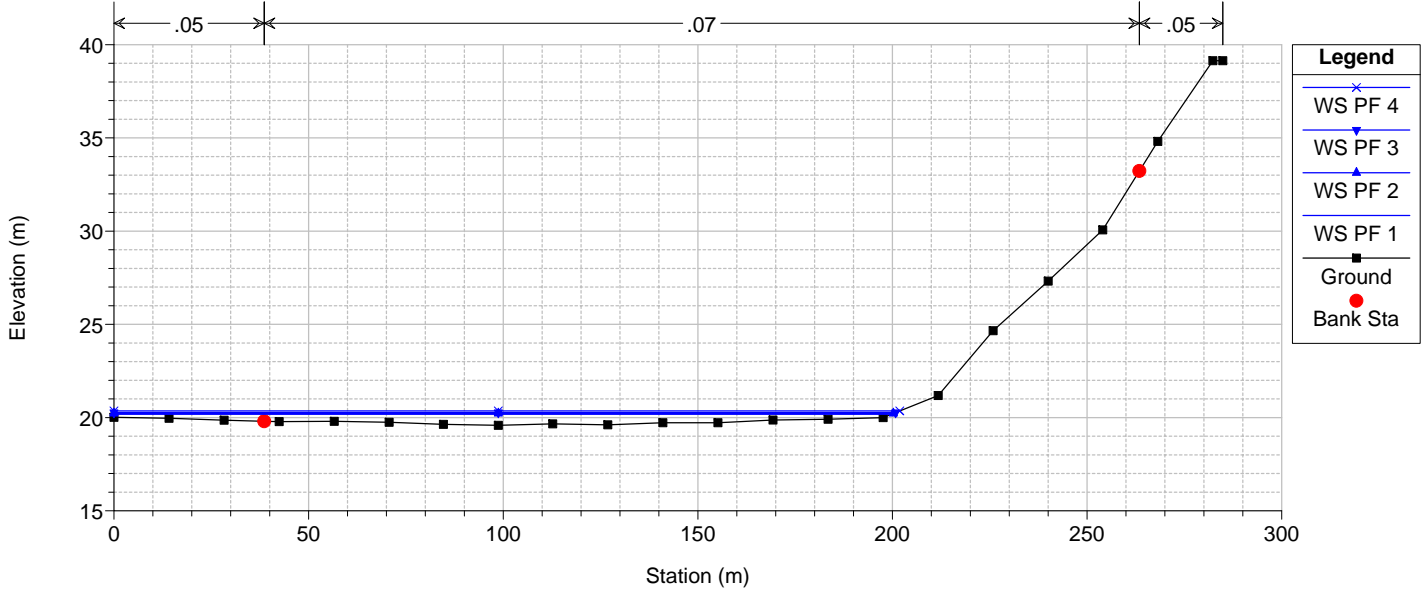
River = Rio Calvia Reach = monte RS = 513.73 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

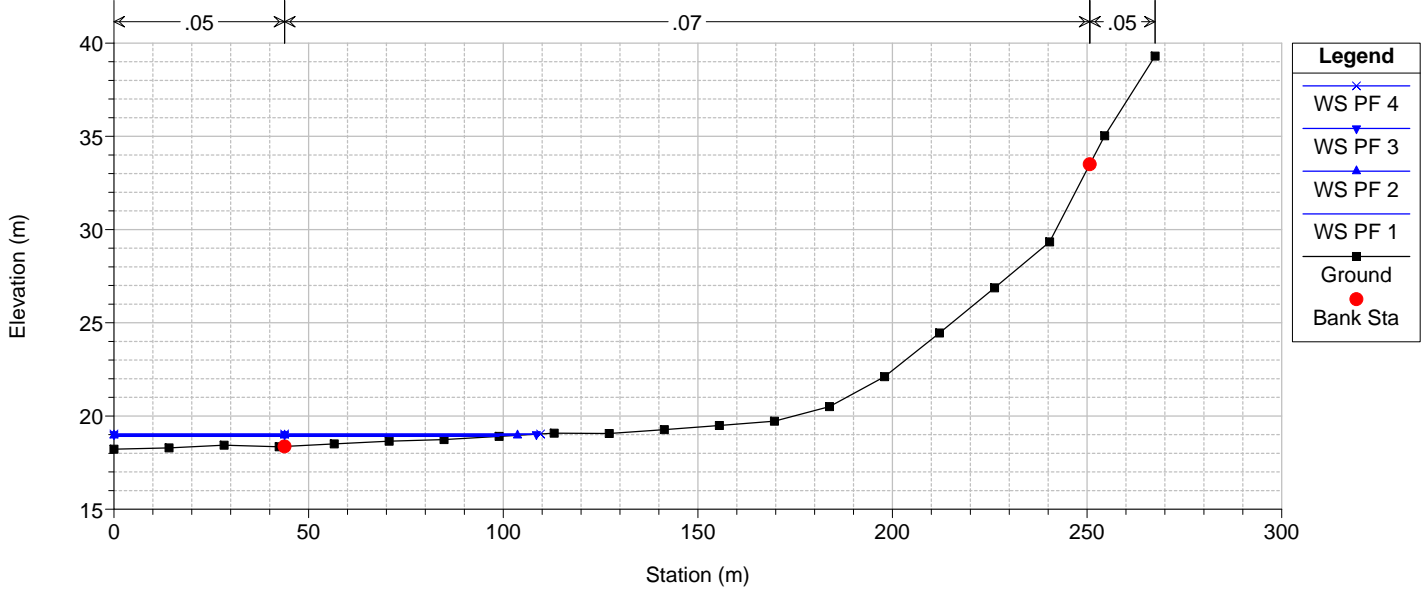
River = Rio Calvia Reach = monte RS = 488.26 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

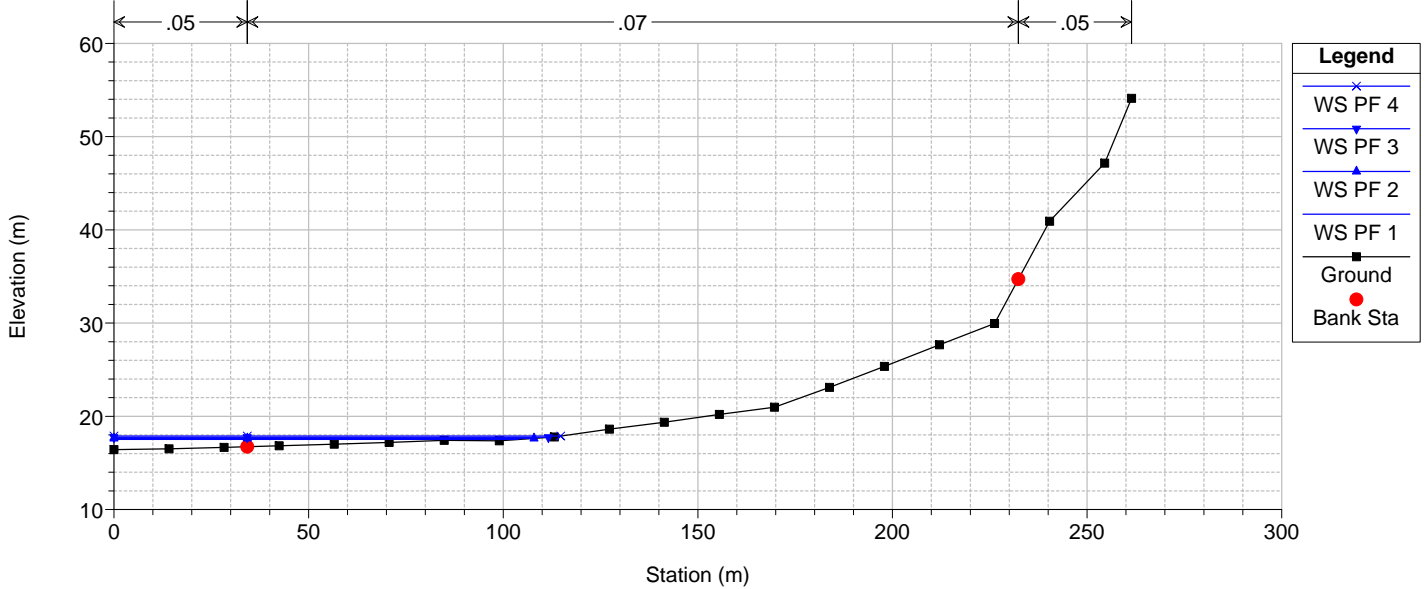
River = Rio Calvia Reach = monte RS = 435.15 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

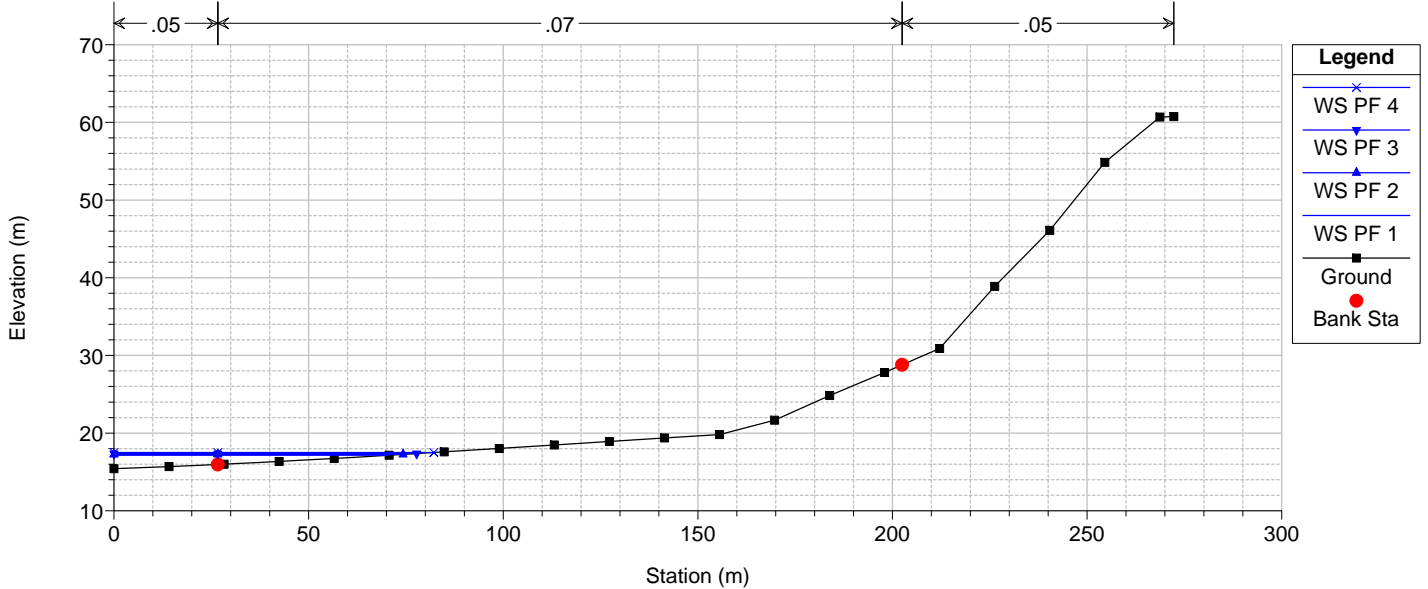
River = Rio Calvia Reach = monte RS = 366.74 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

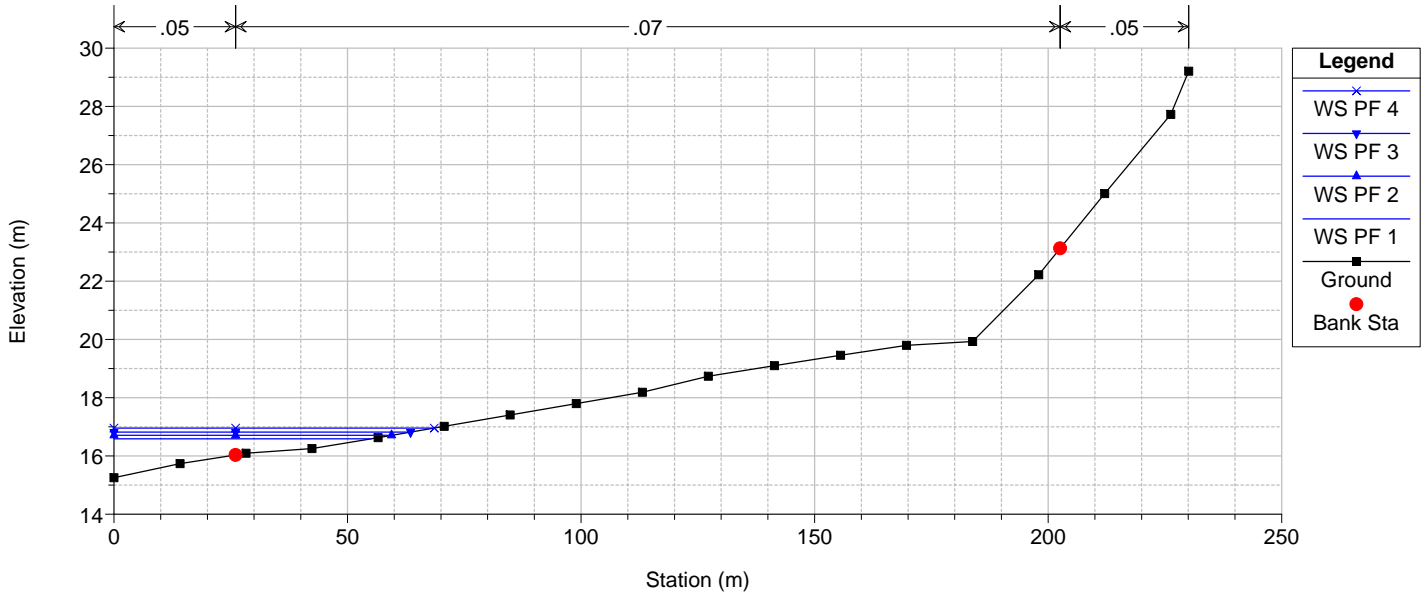
River = Rio Calvia Reach = monte RS = 286.75 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

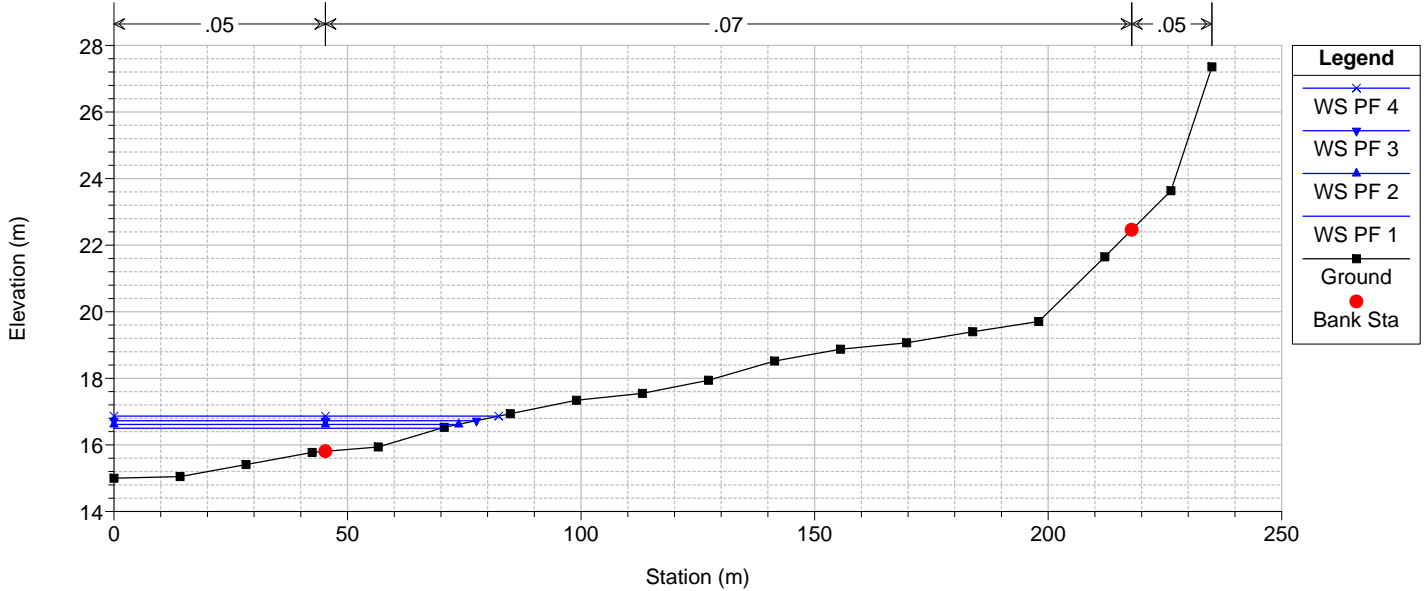
River = Rio Calvia Reach = monte RS = 232.32 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

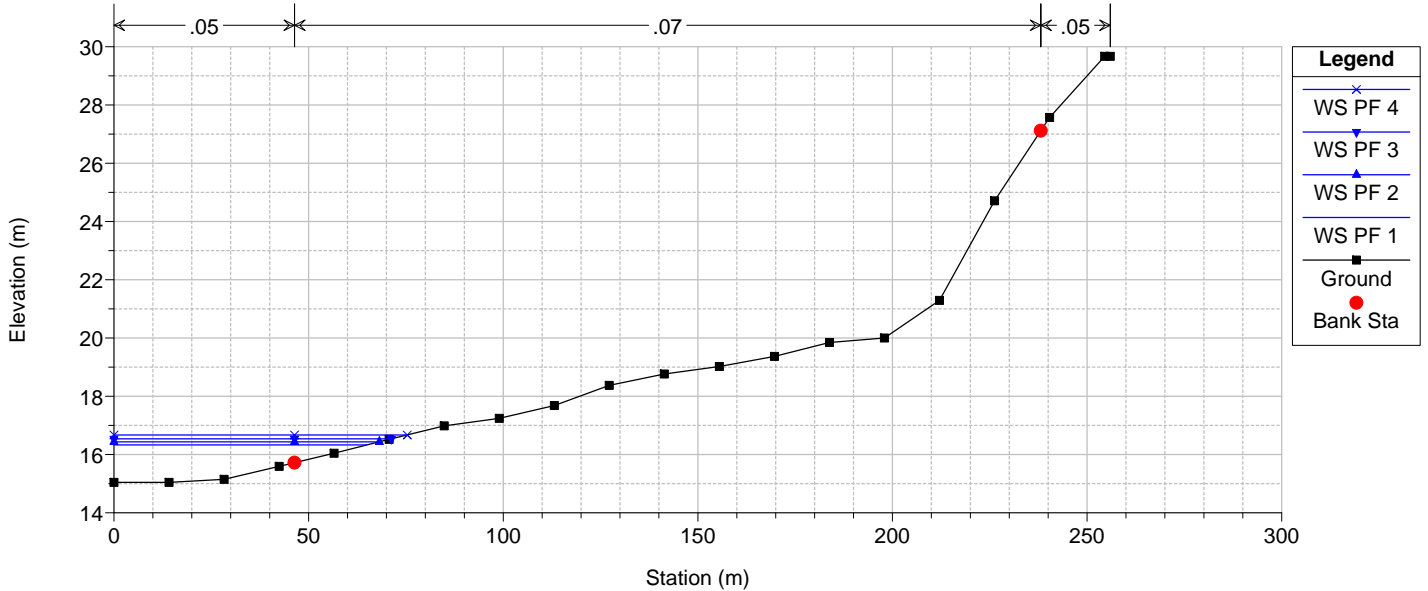
River = Rio Calvia Reach = monte RS = 188.49 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

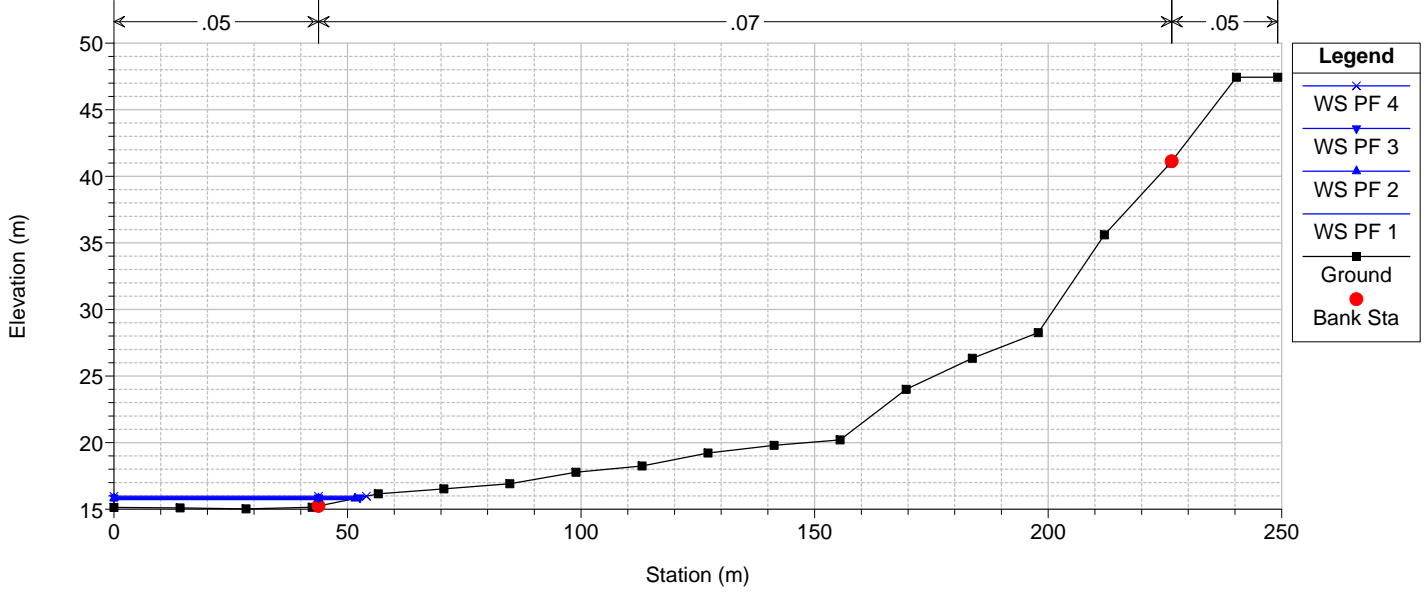
River = Rio Calvia Reach = monte RS = 143.29 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



calvia monte Plan: Plan 07 10/27/2017

Geom: calvia monte Flow: calvia monte

River = Rio Calvia Reach = monte RS = 81.92 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



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
monte	3652.30	PF 1	69.58	40.30	41.72	41.46	41.87	0.019474	1.73	40.30	49.91	0.61
monte	3652.30	PF 2	83.41	40.30	41.84	41.54	42.00	0.018958	1.81	46.19	52.40	0.61
monte	3652.30	PF 3	97.55	40.30	41.94	41.63	42.12	0.018594	1.88	51.93	54.72	0.62
monte	3652.30	PF 4	116.88	40.30	42.08	41.74	42.27	0.018236	1.97	59.44	57.61	0.62
monte	3586.89	PF 1	69.58	40.00	41.12		41.18	0.006257	1.08	64.21	68.19	0.36
monte	3586.89	PF 2	83.41	40.00	41.21		41.28	0.006714	1.18	70.68	69.61	0.37
monte	3586.89	PF 3	97.55	40.00	41.30		41.38	0.007146	1.27	76.78	70.92	0.39
monte	3586.89	PF 4	116.88	40.00	41.40		41.50	0.007728	1.39	84.34	72.51	0.41
monte	3542.33	PF 1	69.58	40.00	40.80		40.85	0.008457	1.01	68.60	101.00	0.39
monte	3542.33	PF 2	83.41	40.00	40.89		40.95	0.008383	1.08	77.65	111.14	0.40
monte	3542.33	PF 3	97.55	40.00	40.97		41.03	0.008304	1.13	87.06	122.39	0.40
monte	3542.33	PF 4	116.88	40.00	41.07		41.14	0.008088	1.19	100.91	144.70	0.40
monte	3444.72	PF 1	69.58	38.67	39.67		39.76	0.015478	1.28	54.25	88.45	0.52
monte	3444.72	PF 2	83.41	38.67	39.78		39.86	0.015361	1.31	63.90	100.91	0.52
monte	3444.72	PF 3	97.55	38.67	39.86		39.95	0.015335	1.33	73.18	111.85	0.53
monte	3444.72	PF 4	116.88	38.67	39.99		40.08	0.015409	1.33	88.09	136.08	0.53
monte	3393.44	PF 1	69.58	37.20	38.09	38.08	38.37	0.056010	2.36	29.53	50.68	0.99
monte	3393.44	PF 2	83.41	37.20	38.17	38.17	38.48	0.056223	2.48	33.58	53.43	1.00
monte	3393.44	PF 3	97.55	37.20	38.25	38.25	38.59	0.054877	2.57	37.89	56.07	1.00
monte	3393.44	PF 4	116.88	37.20	38.35	38.35	38.71	0.053393	2.68	43.56	59.38	1.00
monte	3362.29	PF 1	69.58	35.86	37.25		37.38	0.019206	1.60	43.42	59.55	0.60
monte	3362.29	PF 2	83.41	35.86	37.39	37.07	37.52	0.016469	1.58	52.64	65.44	0.56
monte	3362.29	PF 3	97.55	35.86	37.53	37.15	37.65	0.014556	1.58	61.78	70.38	0.54
monte	3362.29	PF 4	116.88	35.86	37.69	37.25	37.82	0.012741	1.58	73.78	75.67	0.51
monte	3318.97	PF 1	69.58	35.00	37.00		37.04	0.003654	0.94	73.70	64.29	0.28
monte	3318.97	PF 2	83.41	35.00	37.15		37.20	0.003758	1.00	83.73	68.82	0.29
monte	3318.97	PF 3	97.55	35.00	37.29		37.34	0.003846	1.04	93.51	72.97	0.29
monte	3318.97	PF 4	116.88	35.00	37.46		37.52	0.003942	1.10	106.28	78.05	0.30
monte	3257.55	PF 1	69.58	35.00	36.78		36.82	0.003467	0.91	76.36	67.48	0.27
monte	3257.55	PF 2	83.41	35.00	36.93		36.97	0.003558	0.97	86.41	71.40	0.28
monte	3257.55	PF 3	97.55	35.00	37.06		37.11	0.003647	1.02	96.09	74.99	0.29
monte	3257.55	PF 4	116.88	35.00	37.22		37.28	0.003782	1.08	108.61	79.80	0.29
monte	3199.38	PF 1	69.58	35.00	36.62		36.66	0.002370	0.78	88.99	74.49	0.23
monte	3199.38	PF 2	83.41	35.00	36.76		36.80	0.002540	0.84	99.48	78.97	0.24
monte	3199.38	PF 3	97.55	35.00	36.89		36.93	0.002689	0.89	109.63	83.08	0.25
monte	3199.38	PF 4	116.88	35.00	37.04		37.09	0.002868	0.95	122.70	88.09	0.26
monte	3148.98	PF 1	69.58	35.00	36.49		36.53	0.002772	0.81	85.82	76.53	0.24
monte	3148.98	PF 2	83.41	35.00	36.62		36.66	0.002948	0.87	95.83	80.47	0.25
monte	3148.98	PF 3	97.55	35.00	36.74		36.78	0.003103	0.93	105.46	83.98	0.26
monte	3148.98	PF 4	116.88	35.00	36.88		36.93	0.003260	0.99	117.76	87.55	0.27
monte	3096.87	PF 1	69.58	35.00	36.28		36.34	0.004809	1.03	67.87	64.26	0.32
monte	3096.87	PF 2	83.41	35.00	36.39		36.46	0.005229	1.11	75.02	66.96	0.34
monte	3096.87	PF 3	97.55	35.00	36.49		36.57	0.005623	1.19	81.81	69.43	0.35
monte	3096.87	PF 4	116.88	35.00	36.62		36.70	0.006096	1.29	90.56	72.48	0.37
monte	3032.85	PF 1	69.58	35.00	35.90		35.95	0.007820	1.03	67.56	91.72	0.38
monte	3032.85	PF 2	83.41	35.00	35.98		36.04	0.008097	1.11	75.37	94.30	0.40
monte	3032.85	PF 3	97.55	35.00	36.06		36.13	0.008405	1.18	82.69	96.65	0.41
monte	3032.85	PF 4	116.88	35.00	36.15		36.24	0.008738	1.27	92.21	99.63	0.42
monte	2971.51	PF 1	69.58	34.48	35.34		35.39	0.010718	0.99	69.96	126.84	0.43
monte	2971.51	PF 2	83.41	34.48	35.42		35.47	0.010745	1.05	79.72	134.21	0.43
monte	2971.51	PF 3	97.55	34.48	35.49		35.55	0.010675	1.09	89.61	141.44	0.44
monte	2971.51	PF 4	116.88	34.48	35.57		35.64	0.010676	1.14	102.31	150.22	0.44
monte	2898.34	PF 1	69.58	33.53	34.28		34.37	0.018863	1.31	53.15	97.52	0.57
monte	2898.34	PF 2	83.41	33.53	34.35		34.45	0.018808	1.38	60.22	101.30	0.57
monte	2898.34	PF 3	97.55	33.53	34.42		34.53	0.018720	1.45	67.07	104.47	0.58
monte	2898.34	PF 4	116.88	33.53	34.50		34.62	0.018653	1.54	75.96	108.44	0.59
monte	2844.72	PF 1	69.58	31.58	32.43	32.43	32.70	0.059558	2.27	30.59	58.03	1.00
monte	2844.72	PF 2	83.41	31.58	32.51	32.51	32.80	0.057940	2.37	35.14	61.22	1.00
monte	2844.72	PF 3	97.55	31.58	32.58	32.58	32.89	0.056525	2.46	39.64	64.23	1.00
monte	2844.72	PF 4	116.88	31.58	32.67	32.67	33.01	0.055027	2.57	45.56	67.99	1.00
monte	2773.02	PF 1	69.58	30.00	31.45	30.83	31.50	0.004969	0.97	71.82	76.00	0.32
monte	2773.02	PF 2	83.41	30.00	31.56	30.91	31.62	0.005108	1.03	80.63	78.93	0.33
monte	2773.02	PF 3	97.55	30.00	31.67	30.98	31.73	0.005240	1.09	89.10	81.65	0.33
monte	2773.02	PF 4	116.88	30.00	31.80	31.07	31.87	0.005410	1.17	99.96	85.00	0.34
monte	2707.22	PF 1	69.58	30.00	31.19		31.23	0.003398	0.80	86.79	91.64	0.26
monte	2707.22	PF 2	83.41	30.00	31.29		31.33	0.003632	0.87	96.22	94.99	0.28

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
monte	2707.22	PF 3	97.55	30.00	31.39		31.43	0.003837	0.93	105.34	98.11	0.29
monte	2707.22	PF 4	116.88	30.00	31.50		31.56	0.004085	1.00	117.02	101.97	0.30
monte	2641.55	PF 1	69.58	30.00	31.03		31.05	0.002162	0.63	111.29	121.79	0.21
monte	2641.55	PF 2	83.41	30.00	31.12		31.14	0.002316	0.68	122.40	123.97	0.22
monte	2641.55	PF 3	97.55	30.00	31.20		31.23	0.002458	0.73	132.96	126.00	0.23
monte	2641.55	PF 4	116.88	30.00	31.31		31.34	0.002623	0.80	146.31	128.12	0.24
monte	2564.60	PF 1	69.58	30.00	30.83		30.85	0.002939	0.65	107.22	139.69	0.24
monte	2564.60	PF 2	83.41	30.00	30.91		30.93	0.003103	0.71	118.16	141.35	0.25
monte	2564.60	PF 3	97.55	30.00	30.98		31.01	0.003255	0.76	128.52	142.89	0.26
monte	2564.60	PF 4	116.88	30.00	31.07		31.11	0.003440	0.83	141.65	144.83	0.27
monte	2488.15	PF 1	69.58	29.76	30.35		30.41	0.015608	1.07	64.79	138.81	0.50
monte	2488.15	PF 2	83.41	29.76	30.41		30.48	0.015410	1.14	72.90	140.63	0.51
monte	2488.15	PF 3	97.55	29.76	30.46		30.54	0.015374	1.21	80.52	142.33	0.51
monte	2488.15	PF 4	116.88	29.76	30.54		30.62	0.015052	1.29	90.90	144.61	0.52
monte	2422.39	PF 1	69.58	28.40	29.34		29.41	0.014800	1.15	60.37	111.74	0.50
monte	2422.39	PF 2	83.41	28.40	29.43		29.50	0.014353	1.19	70.31	121.81	0.50
monte	2422.39	PF 3	97.55	28.40	29.49		29.57	0.014035	1.24	78.79	125.88	0.50
monte	2422.39	PF 4	116.88	28.40	29.57		29.66	0.014120	1.31	88.92	130.47	0.51
monte	2367.79	PF 1	69.58	27.27	28.19		28.32	0.027929	1.61	43.27	78.26	0.69
monte	2367.79	PF 2	83.41	27.27	28.27		28.41	0.028893	1.69	49.40	85.16	0.71
monte	2367.79	PF 3	97.55	27.27	28.34		28.49	0.029283	1.74	56.06	93.32	0.72
monte	2367.79	PF 4	116.88	27.27	28.43		28.60	0.028304	1.80	65.04	100.57	0.71
monte	2339.65	PF 1	69.58	26.65	27.72		27.79	0.012722	1.19	58.69	92.96	0.48
monte	2339.65	PF 2	83.41	26.65	27.82		27.90	0.011677	1.22	68.42	97.44	0.46
monte	2339.65	PF 3	97.55	26.65	27.92		28.00	0.010893	1.25	78.06	101.69	0.46
monte	2339.65	PF 4	116.88	26.65	28.05		28.13	0.010009	1.28	91.15	107.19	0.44
monte	2307.62	PF 1	69.58	26.39	27.47		27.52	0.005916	0.91	76.53	101.63	0.33
monte	2307.62	PF 2	83.41	26.39	27.60		27.64	0.005554	0.93	89.38	108.88	0.33
monte	2307.62	PF 3	97.55	26.39	27.71		27.76	0.005105	0.95	102.40	113.51	0.32
monte	2307.62	PF 4	116.88	26.39	27.86		27.91	0.004717	0.98	119.19	119.22	0.31
monte	2281.75	PF 1	69.58	26.10	27.38		27.41	0.002857	0.70	99.35	115.43	0.24
monte	2281.75	PF 2	83.41	26.10	27.51		27.54	0.002669	0.73	114.39	118.55	0.24
monte	2281.75	PF 3	97.55	26.10	27.64		27.66	0.002520	0.76	129.21	121.54	0.23
monte	2281.75	PF 4	116.88	26.10	27.79		27.82	0.002419	0.79	147.61	125.16	0.23
monte	2240.67	PF 1	69.58	25.34	27.35		27.36	0.000596	0.34	154.62	140.68	0.11
monte	2240.67	PF 2	83.41	25.34	27.47		27.49	0.000645	0.37	172.96	148.01	0.12
monte	2240.67	PF 3	97.55	25.34	27.60		27.62	0.000682	0.39	191.56	155.40	0.12
monte	2240.67	PF 4	116.88	25.34	27.74		27.77	0.000731	0.42	215.22	164.61	0.13
monte	2222.08	PF 1	69.58	25.17	27.33		27.34	0.001355	0.52	130.91	134.27	0.17
monte	2222.08	PF 2	83.41	25.17	27.45		27.47	0.001339	0.55	148.16	138.20	0.17
monte	2222.08	PF 3	97.55	25.17	27.57		27.59	0.001318	0.58	165.31	142.00	0.17
monte	2222.08	PF 4	116.88	25.17	27.72		27.74	0.001319	0.61	186.57	146.58	0.17
monte	2189.58	PF 1	69.58	25.16	27.28		27.30	0.001353	0.55	126.37	117.67	0.17
monte	2189.58	PF 2	83.41	25.16	27.41		27.42	0.001408	0.59	141.42	122.36	0.18
monte	2189.58	PF 3	97.55	25.16	27.53		27.55	0.001497	0.62	156.67	130.91	0.18
monte	2189.58	PF 4	116.88	25.16	27.67		27.69	0.001605	0.66	176.54	141.71	0.19
monte	2156.24	PF 1	69.58	25.11	27.23		27.25	0.001578	0.59	118.86	113.29	0.18
monte	2156.24	PF 2	83.41	25.11	27.35		27.37	0.001686	0.63	133.18	120.52	0.19
monte	2156.24	PF 3	97.55	25.11	27.47		27.49	0.001715	0.66	147.76	125.16	0.19
monte	2156.24	PF 4	116.88	25.11	27.61		27.64	0.001767	0.70	165.93	130.41	0.20
monte	2122.34	PF 1	69.58	25.46	27.13		27.16	0.004005	0.87	79.98	84.59	0.29
monte	2122.34	PF 2	83.41	25.46	27.24		27.28	0.004140	0.93	89.92	88.54	0.29
monte	2122.34	PF 3	97.55	25.46	27.35		27.40	0.004432	0.97	100.42	97.12	0.31
monte	2122.34	PF 4	116.88	25.46	27.49		27.54	0.004666	1.02	114.35	106.49	0.31
monte	2083.94	PF 1	69.58	25.18	26.96		27.00	0.004357	0.92	75.26	77.31	0.30
monte	2083.94	PF 2	83.41	25.18	27.06		27.11	0.004818	1.00	83.33	81.93	0.32
monte	2083.94	PF 3	97.55	25.18	27.16		27.21	0.005288	1.07	91.47	87.68	0.33
monte	2083.94	PF 4	116.88	25.18	27.28		27.34	0.005808	1.14	102.32	94.93	0.35
monte	2063.03	PF 1	69.58	25.39	26.78		26.86	0.011346	1.22	57.13	79.71	0.46
monte	2063.03	PF 2	83.41	25.39	26.87		26.96	0.011559	1.30	64.39	83.04	0.47
monte	2063.03	PF 3	97.55	25.39	26.96		27.05	0.011711	1.36	71.51	86.19	0.48
monte	2063.03	PF 4	116.88	25.39	27.06		27.17	0.011889	1.45	80.77	90.12	0.49
monte	1997.22	PF 1	69.58	25.00	26.16		26.21	0.008527	0.99	70.08	107.27	0.39
monte	1997.22	PF 2	83.41	25.00	26.24		26.30	0.008570	1.05	79.44	112.26	0.40
monte	1997.22	PF 3	97.55	25.00	26.32		26.38	0.008719	1.11	88.18	116.72	0.41
monte	1997.22	PF 4	116.88	25.00	26.41		26.48	0.008986	1.18	99.17	122.09	0.42

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
monte	1951.58	PF 1	69.58	25.00	25.95		25.97	0.003384	0.65	107.50	156.36	0.25
monte	1951.58	PF 2	83.41	25.00	26.02		26.04	0.003683	0.70	119.44	165.16	0.26
monte	1951.58	PF 3	97.55	25.00	26.09		26.11	0.003950	0.75	130.55	171.93	0.27
monte	1951.58	PF 4	116.88	25.00	26.17		26.20	0.004239	0.81	144.60	178.44	0.29
monte	1928.95	PF 1	69.58	25.00	25.89		25.91	0.001986	0.50	140.13	205.94	0.19
monte	1928.95	PF 2	83.41	25.00	25.97		25.98	0.002111	0.54	154.96	211.87	0.20
monte	1928.95	PF 3	97.55	25.00	26.03		26.04	0.002247	0.58	168.34	216.51	0.21
monte	1928.95	PF 4	116.88	25.00	26.10		26.12	0.002427	0.63	185.05	222.15	0.22
monte	1910.85	PF 1	69.58	25.00	25.87		25.88	0.001300	0.42	164.48	227.21	0.16
monte	1910.85	PF 2	83.41	25.00	25.94		25.95	0.001515	0.46	180.51	244.88	0.17
monte	1910.85	PF 3	97.55	25.00	26.00		26.01	0.001628	0.50	195.58	251.81	0.18
monte	1910.85	PF 4	116.88	25.00	26.07		26.09	0.001731	0.54	215.18	287.59	0.19
monte	1892.44	PF 1	69.58	25.00	25.84		25.85	0.001646	0.45	155.69	247.20	0.17
monte	1892.44	PF 2	83.41	25.00	25.90		25.92	0.001737	0.49	172.03	258.62	0.18
monte	1892.44	PF 3	97.55	25.00	25.96		25.98	0.001829	0.53	187.42	267.74	0.19
monte	1892.44	PF 4	116.88	25.00	26.03		26.05	0.001936	0.58	206.92	270.77	0.20
monte	1848.70	PF 1	69.58	25.00	25.73		25.75	0.003523	0.60	117.50	218.00	0.25
monte	1848.70	PF 2	83.41	25.00	25.79		25.81	0.003760	0.65	130.39	230.89	0.26
monte	1848.70	PF 3	97.55	25.00	25.84		25.86	0.003962	0.70	142.59	236.00	0.27
monte	1848.70	PF 4	116.88	25.00	25.90		25.93	0.004195	0.75	158.02	240.00	0.28
monte	1829.86	PF 1	69.58	25.00	25.65		25.67	0.004825	0.67	107.17	224.18	0.29
monte	1829.86	PF 2	83.41	25.00	25.70		25.73	0.005017	0.71	119.07	227.74	0.30
monte	1829.86	PF 3	97.55	25.00	25.75		25.78	0.005177	0.76	130.08	230.10	0.30
monte	1829.86	PF 4	116.88	25.00	25.81		25.84	0.005385	0.82	143.92	233.04	0.31
monte	1800.95	PF 1	69.58	25.00	25.51		25.53	0.005127	0.62	104.89	231.11	0.29
monte	1800.95	PF 2	83.41	25.00	25.56		25.58	0.005402	0.68	115.49	233.19	0.30
monte	1800.95	PF 3	97.55	25.00	25.60		25.63	0.005722	0.73	125.04	235.05	0.31
monte	1800.95	PF 4	116.88	25.00	25.65		25.68	0.006152	0.80	136.83	237.32	0.33
monte	1790.01	PF 1	69.58	24.98	25.43		25.46	0.009432	0.75	86.57	226.79	0.38
monte	1790.01	PF 2	83.41	24.98	25.47		25.51	0.009649	0.81	96.00	227.95	0.39
monte	1790.01	PF 3	97.55	24.98	25.50		25.55	0.010195	0.87	103.86	228.92	0.41
monte	1790.01	PF 4	116.88	24.98	25.54		25.60	0.011088	0.95	113.06	230.04	0.43
monte	1779.36	PF 1	69.58	24.43	25.16	25.16	25.27	0.067088	1.47	48.30	226.87	0.94
monte	1779.36	PF 2	83.41	24.43	25.18	25.18	25.31	0.068675	1.57	53.70	229.07	0.96
monte	1779.36	PF 3	97.55	24.43	25.21	25.21	25.35	0.064500	1.62	60.28	230.29	0.95
monte	1779.36	PF 4	116.88	24.43	25.26	25.25	25.40	0.052525	1.60	71.71	232.39	0.87
monte	1768.51	PF 1	69.58	22.91	24.00	24.09	24.47	0.079832	3.04	22.86	34.80	1.20
monte	1768.51	PF 2	83.41	22.91	24.15	24.20	24.59	0.063683	2.95	28.27	38.05	1.09
monte	1768.51	PF 3	97.55	22.91	24.28	24.29	24.71	0.054007	2.90	33.59	40.91	1.02
monte	1768.51	PF 4	116.88	22.91	24.52	24.52	24.86	0.049810	2.58	45.67	71.76	0.96
monte	1753.11	PF 1	69.58	21.18	21.86	22.10	22.64	0.186257	3.92	17.76	34.99	1.76
monte	1753.11	PF 2	83.41	21.18	21.90	22.20	22.88	0.218440	4.39	18.98	35.47	1.92
monte	1753.11	PF 3	97.55	21.18	21.93	22.29	23.10	0.241174	4.79	20.36	36.00	2.03
monte	1753.11	PF 4	116.88	21.18	22.01	22.40	23.32	0.237401	5.07	23.06	37.02	2.05
monte	1731.45	PF 1	69.58	20.00	21.08	20.49	21.12	0.003588	0.81	85.78	92.86	0.27
monte	1731.45	PF 2	83.41	20.00	21.17	20.54	21.21	0.003837	0.88	94.25	94.12	0.28
monte	1731.45	PF 3	97.55	20.00	21.26	20.60	21.30	0.004073	0.95	102.21	95.29	0.29
monte	1731.45	PF 4	116.88	20.00	21.36	20.67	21.42	0.004362	1.04	112.29	96.76	0.31
monte	1707.19	PF 1	69.58	20.00	21.02		21.04	0.002606	0.68	102.81	114.93	0.23
monte	1707.19	PF 2	83.41	20.00	21.10		21.13	0.002786	0.74	112.84	116.15	0.24
monte	1707.19	PF 3	97.55	20.00	21.18		21.22	0.002957	0.80	122.24	117.28	0.25
monte	1707.19	PF 4	116.88	20.00	21.29		21.32	0.003165	0.87	134.14	118.69	0.26
monte	1658.16	PF 1	69.58	20.00	20.95		20.96	0.001132	0.43	161.96	191.57	0.15
monte	1658.16	PF 2	83.41	20.00	21.03		21.04	0.001202	0.47	178.04	193.41	0.16
monte	1658.16	PF 3	97.55	20.00	21.11		21.12	0.001269	0.51	193.09	195.11	0.16
monte	1658.16	PF 4	116.88	20.00	21.20		21.22	0.001349	0.55	212.23	197.26	0.17
monte	1617.88	PF 1	69.58	20.00	20.91		20.92	0.000834	0.37	190.51	232.21	0.13
monte	1617.88	PF 2	83.41	20.00	20.99		21.00	0.000891	0.40	209.56	236.26	0.13
monte	1617.88	PF 3	97.55	20.00	21.07		21.08	0.000932	0.43	227.64	240.68	0.14
monte	1617.88	PF 4	116.88	20.00	21.16		21.17	0.000976	0.47	250.95	246.66	0.14
monte	1584.01	PF 1	69.58	20.00	20.89		20.89	0.000559	0.31	224.16	273.85	0.11
monte	1584.01	PF 2	83.41	20.00	20.97		20.97	0.000594	0.34	246.23	277.59	0.11
monte	1584.01	PF 3	97.55	20.00	21.04		21.05	0.000625	0.37	267.15	280.71	0.11
monte	1584.01	PF 4	116.88	20.00	21.14		21.15	0.000660	0.40	293.90	284.41	0.12
monte	1508.94	PF 1	69.58	20.00	20.86		20.86	0.000344	0.24	276.97	334.93	0.08

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
monte	1508.94	PF 2	83.41	20.00	20.94		20.94	0.000366	0.26	303.31	335.93	0.09
monte	1508.94	PF 3	97.55	20.00	21.01		21.02	0.000386	0.28	328.05	336.88	0.09
monte	1508.94	PF 4	116.88	20.00	21.11		21.11	0.000409	0.31	359.49	338.04	0.09
monte	1456.51	PF 1	69.58	20.00	20.85		20.85	0.000130	0.15	406.88	484.06	0.05
monte	1456.51	PF 2	83.41	20.00	20.93		20.93	0.000139	0.16	444.60	484.48	0.05
monte	1456.51	PF 3	97.55	20.00	21.00		21.00	0.000148	0.17	479.96	484.88	0.06
monte	1456.51	PF 4	116.88	20.00	21.09		21.09	0.000158	0.19	524.86	485.39	0.06
monte	1411.66	PF 1	69.58	20.00	20.84		20.84	0.000246	0.18	303.78	398.60	0.07
monte	1411.66	PF 2	83.41	20.00	20.91		20.92	0.000262	0.19	334.79	406.73	0.07
monte	1411.66	PF 3	97.55	20.00	20.99		20.99	0.000277	0.21	364.43	415.10	0.07
monte	1411.66	PF 4	116.88	20.00	21.08		21.08	0.000294	0.22	402.92	425.32	0.08
monte	1380.85	PF 1	69.58	20.00	20.83		20.83	0.000250	0.19	299.87	379.40	0.07
monte	1380.85	PF 2	83.41	20.00	20.90		20.91	0.000267	0.21	328.95	382.67	0.07
monte	1380.85	PF 3	97.55	20.00	20.98		20.98	0.000283	0.22	356.42	385.73	0.08
monte	1380.85	PF 4	116.88	20.00	21.07		21.07	0.000301	0.24	391.64	389.88	0.08
monte	1349.85	PF 1	69.58	20.00	20.82		20.82	0.000195	0.17	337.22	424.45	0.06
monte	1349.85	PF 2	83.41	20.00	20.90		20.90	0.000208	0.19	369.48	425.62	0.06
monte	1349.85	PF 3	97.55	20.00	20.97		20.97	0.000219	0.20	399.79	426.72	0.07
monte	1349.85	PF 4	116.88	20.00	21.06		21.06	0.000232	0.22	438.43	428.11	0.07
monte	1323.82	PF 1	69.58	20.00	20.81		20.81	0.000152	0.15	384.95	479.46	0.05
monte	1323.82	PF 2	83.41	20.00	20.89		20.89	0.000162	0.16	421.10	480.66	0.06
monte	1323.82	PF 3	97.55	20.00	20.96		20.96	0.000172	0.18	455.02	481.67	0.06
monte	1323.82	PF 4	116.88	20.00	21.05		21.05	0.000183	0.20	498.31	482.95	0.06
monte	1137.58	PF 1	69.58	19.94	20.79		20.79	0.000184	0.15	366.62	496.54	0.06
monte	1137.58	PF 2	83.41	19.94	20.86		20.87	0.000194	0.16	403.37	498.28	0.06
monte	1137.58	PF 3	97.55	19.94	20.93		20.93	0.000204	0.18	437.91	499.91	0.06
monte	1137.58	PF 4	116.88	19.94	21.02		21.02	0.000215	0.19	482.13	501.98	0.07
monte	1083.70	PF 1	69.58	19.78	20.77		20.77	0.000297	0.21	301.05	369.79	0.08
monte	1083.70	PF 2	83.41	19.78	20.84		20.85	0.000322	0.23	327.89	370.92	0.08
monte	1083.70	PF 3	97.55	19.78	20.91		20.92	0.000346	0.25	353.11	371.97	0.08
monte	1083.70	PF 4	116.88	19.78	21.00		21.00	0.000373	0.28	385.42	373.32	0.09
monte	1018.07	PF 1	69.58	19.81	20.75		20.76	0.000327	0.23	276.69	342.03	0.08
monte	1018.07	PF 2	83.41	19.81	20.82		20.83	0.000356	0.25	300.96	342.40	0.08
monte	1018.07	PF 3	97.55	19.81	20.89		20.90	0.000382	0.27	323.71	342.73	0.09
monte	1018.07	PF 4	116.88	19.81	20.98		20.98	0.000412	0.30	352.85	343.16	0.09
monte	963.98	PF 1	69.58	19.87	20.73		20.74	0.000465	0.27	237.32	302.15	0.09
monte	963.98	PF 2	83.41	19.87	20.80		20.81	0.000505	0.29	258.21	302.67	0.10
monte	963.98	PF 3	97.55	19.87	20.87		20.87	0.000542	0.32	277.80	303.16	0.10
monte	963.98	PF 4	116.88	19.87	20.95		20.96	0.000584	0.35	302.97	303.79	0.11
monte	915.58	PF 1	69.58	19.90	20.71		20.72	0.000605	0.29	214.40	290.14	0.11
monte	915.58	PF 2	83.41	19.90	20.78		20.79	0.000652	0.32	233.90	290.86	0.11
monte	915.58	PF 3	97.55	19.90	20.84		20.85	0.000695	0.35	252.20	291.53	0.12
monte	915.58	PF 4	116.88	19.90	20.92		20.93	0.000743	0.38	275.81	292.39	0.12
monte	889.79	PF 1	69.58	19.93	20.70		20.70	0.000601	0.28	215.30	299.73	0.11
monte	889.79	PF 2	83.41	19.93	20.76		20.77	0.000645	0.31	235.13	300.05	0.11
monte	889.79	PF 3	97.55	19.93	20.83		20.83	0.000685	0.34	253.73	300.35	0.12
monte	889.79	PF 4	116.88	19.93	20.91		20.92	0.000728	0.37	277.73	300.74	0.12
monte	860.63	PF 1	69.58	19.97	20.68		20.69	0.000593	0.27	218.70	315.94	0.10
monte	860.63	PF 2	83.41	19.97	20.75		20.76	0.000632	0.30	239.30	316.47	0.11
monte	860.63	PF 3	97.55	19.97	20.81		20.82	0.000669	0.32	258.63	316.97	0.11
monte	860.63	PF 4	116.88	19.97	20.89		20.90	0.000708	0.35	283.67	317.61	0.12
monte	811.17	PF 1	69.58	19.97	20.65		20.66	0.000775	0.29	195.88	298.89	0.12
monte	811.17	PF 2	83.41	19.97	20.72		20.72	0.000823	0.32	214.72	299.50	0.12
monte	811.17	PF 3	97.55	19.97	20.77		20.78	0.000868	0.35	232.40	300.08	0.13
monte	811.17	PF 4	116.88	19.97	20.85		20.86	0.000914	0.38	255.45	300.83	0.13
monte	766.01	PF 1	69.58	19.96	20.62		20.63	0.000715	0.28	203.46	312.53	0.11
monte	766.01	PF 2	83.41	19.96	20.69		20.69	0.000764	0.31	222.57	312.73	0.12
monte	766.01	PF 3	97.55	19.96	20.74		20.75	0.000809	0.34	240.49	312.92	0.12
monte	766.01	PF 4	116.88	19.96	20.82		20.83	0.000853	0.37	263.99	313.17	0.13
monte	692.54	PF 1	69.58	19.93	20.57		20.58	0.000830	0.29	194.74	315.71	0.12
monte	692.54	PF 2	83.41	19.93	20.63		20.64	0.000890	0.32	212.81	316.17	0.13
monte	692.54	PF 3	97.55	19.93	20.68		20.69	0.000945	0.35	229.78	316.60	0.13
monte	692.54	PF 4	116.88	19.93	20.75		20.76	0.000995	0.38	252.47	317.18	0.14
monte	635.09	PF 1	69.58	19.90	20.52		20.53	0.000790	0.27	211.15	372.23	0.12
monte	635.09	PF 2	83.41	19.90	20.57		20.58	0.000842	0.30	231.18	372.80	0.12
monte	635.09	PF 3	97.55	19.90	20.63		20.63	0.000889	0.32	250.12	373.33	0.13

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
monte	635.09	PF 4	116.88	19.90	20.69		20.70	0.000924	0.35	275.89	374.06	0.13
monte	572.62	PF 1	69.58	19.92	20.46		20.47	0.000913	0.26	205.02	400.40	0.12
monte	572.62	PF 2	83.41	19.92	20.51		20.52	0.000966	0.29	225.20	400.88	0.13
monte	572.62	PF 3	97.55	19.92	20.56		20.57	0.001012	0.31	244.35	401.34	0.13
monte	572.62	PF 4	116.88	19.92	20.63		20.64	0.001031	0.34	271.35	401.98	0.14
monte	513.73	PF 1	69.58	19.83	20.36		20.37	0.002784	0.41	150.07	410.09	0.21
monte	513.73	PF 2	83.41	19.83	20.41		20.42	0.002637	0.43	169.92	410.33	0.21
monte	513.73	PF 3	97.55	19.83	20.45		20.47	0.002530	0.45	188.85	410.56	0.20
monte	513.73	PF 4	116.88	19.83	20.53		20.54	0.002253	0.47	217.77	410.92	0.20
monte	488.26	PF 1	69.58	19.59	20.17		20.21	0.012066	0.89	78.43	199.66	0.43
monte	488.26	PF 2	83.41	19.59	20.22		20.27	0.011737	0.94	88.27	200.25	0.44
monte	488.26	PF 3	97.55	19.59	20.27		20.32	0.011647	0.99	97.28	200.79	0.44
monte	488.26	PF 4	116.88	19.59	20.36		20.41	0.009480	0.99	115.50	201.87	0.41
monte	435.15	PF 1	69.58	18.37	18.90	18.90	19.11	0.027230	0.98	39.47	98.92	0.60
monte	435.15	PF 2	83.41	18.37	18.96	18.96	19.19	0.026797	1.05	45.36	103.68	0.61
monte	435.15	PF 3	97.55	18.37	19.02	19.02	19.27	0.025766	1.11	51.65	108.53	0.61
monte	435.15	PF 4	116.88	18.37	19.03	19.03	19.37	0.034396	1.30	53.05	109.58	0.71
monte	366.74	PF 1	69.58	16.73	17.51	17.27	17.62	0.007308	0.62	58.36	103.87	0.33
monte	366.74	PF 2	83.41	16.73	17.63	17.34	17.74	0.006371	0.68	70.67	107.90	0.32
monte	366.74	PF 3	97.55	16.73	17.74	17.37	17.84	0.005768	0.72	82.49	111.63	0.31
monte	366.74	PF 4	116.88	16.73	17.88	17.53	17.98	0.005099	0.77	98.32	114.76	0.30
monte	286.75	PF 1	69.58	15.96	17.14		17.22	0.003143	0.58	65.88	70.51	0.24
monte	286.75	PF 2	83.41	15.96	17.26		17.35	0.003342	0.63	74.16	74.27	0.25
monte	286.75	PF 3	97.55	15.96	17.37		17.47	0.003510	0.69	82.30	77.78	0.26
monte	286.75	PF 4	116.88	15.96	17.50		17.62	0.003697	0.75	92.98	82.17	0.27
monte	232.32	PF 1	69.58	16.03	16.59	16.57	16.89	0.019637	0.93	33.08	55.08	0.53
monte	232.32	PF 2	83.41	16.03	16.71	16.65	17.01	0.017610	1.01	39.82	59.42	0.52
monte	232.32	PF 3	97.55	16.03	16.82	16.75	17.13	0.016093	1.06	46.66	63.49	0.51
monte	232.32	PF 4	116.88	16.03	16.96	16.86	17.27	0.014611	1.13	55.88	68.59	0.50
monte	188.49	PF 1	69.58	15.81	16.50		16.57	0.003003	0.45	64.66	70.07	0.22
monte	188.49	PF 2	83.41	15.81	16.62		16.70	0.003089	0.49	73.02	73.80	0.23
monte	188.49	PF 3	97.55	15.81	16.73		16.82	0.003152	0.53	81.39	77.61	0.23
monte	188.49	PF 4	116.88	15.81	16.87		16.97	0.003218	0.57	92.48	82.40	0.24
monte	143.29	PF 1	69.58	15.72	16.33	15.82	16.41	0.003798	0.40	57.42	64.95	0.23
monte	143.29	PF 2	83.41	15.72	16.44		16.53	0.003936	0.46	64.62	68.16	0.24
monte	143.29	PF 3	97.55	15.72	16.54		16.65	0.004023	0.50	71.89	71.28	0.25
monte	143.29	PF 4	116.88	15.72	16.67		16.80	0.004112	0.56	81.54	75.32	0.26
monte	81.92	PF 1	69.58	15.24	15.72	15.72	16.02	0.028459	0.93	29.27	50.48	0.61
monte	81.92	PF 2	83.41	15.24	15.80	15.80	16.14	0.027263	1.01	33.35	51.60	0.61
monte	81.92	PF 3	97.55	15.24	15.88	15.88	16.25	0.026292	1.08	37.36	52.66	0.61
monte	81.92	PF 4	116.88	15.24	15.97	15.97	16.39	0.025295	1.16	42.58	54.03	0.61

COMUNE DI ALGHERO (SS)

Studio di compatibilità idraulica ai sensi dell'art. 8 comma 2bis delle N.A. del PAI

Area d'indagine: territorio comunale

SIMULAZIONI IN MOTO PERMANENTE

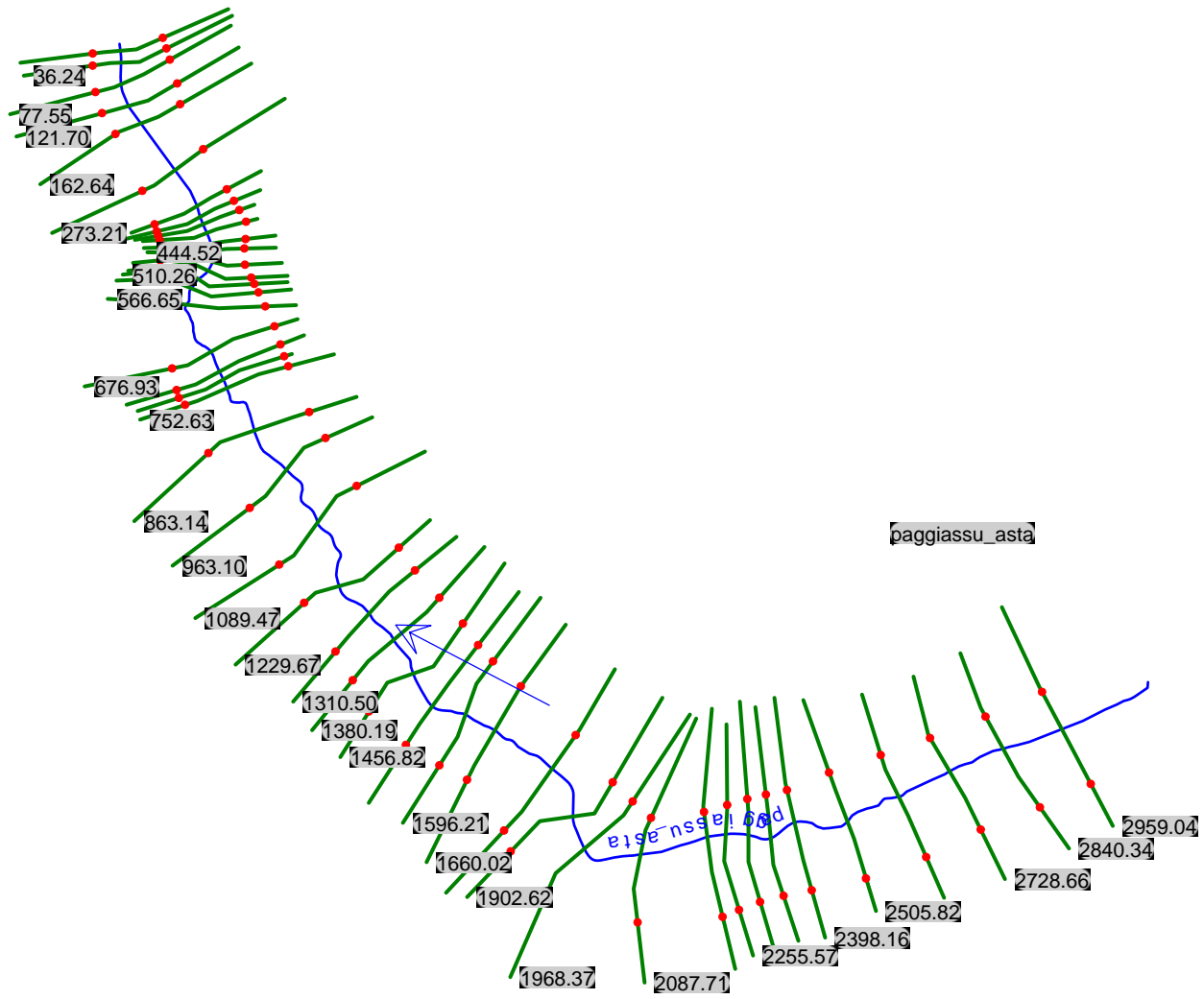
Rio Paggiassu

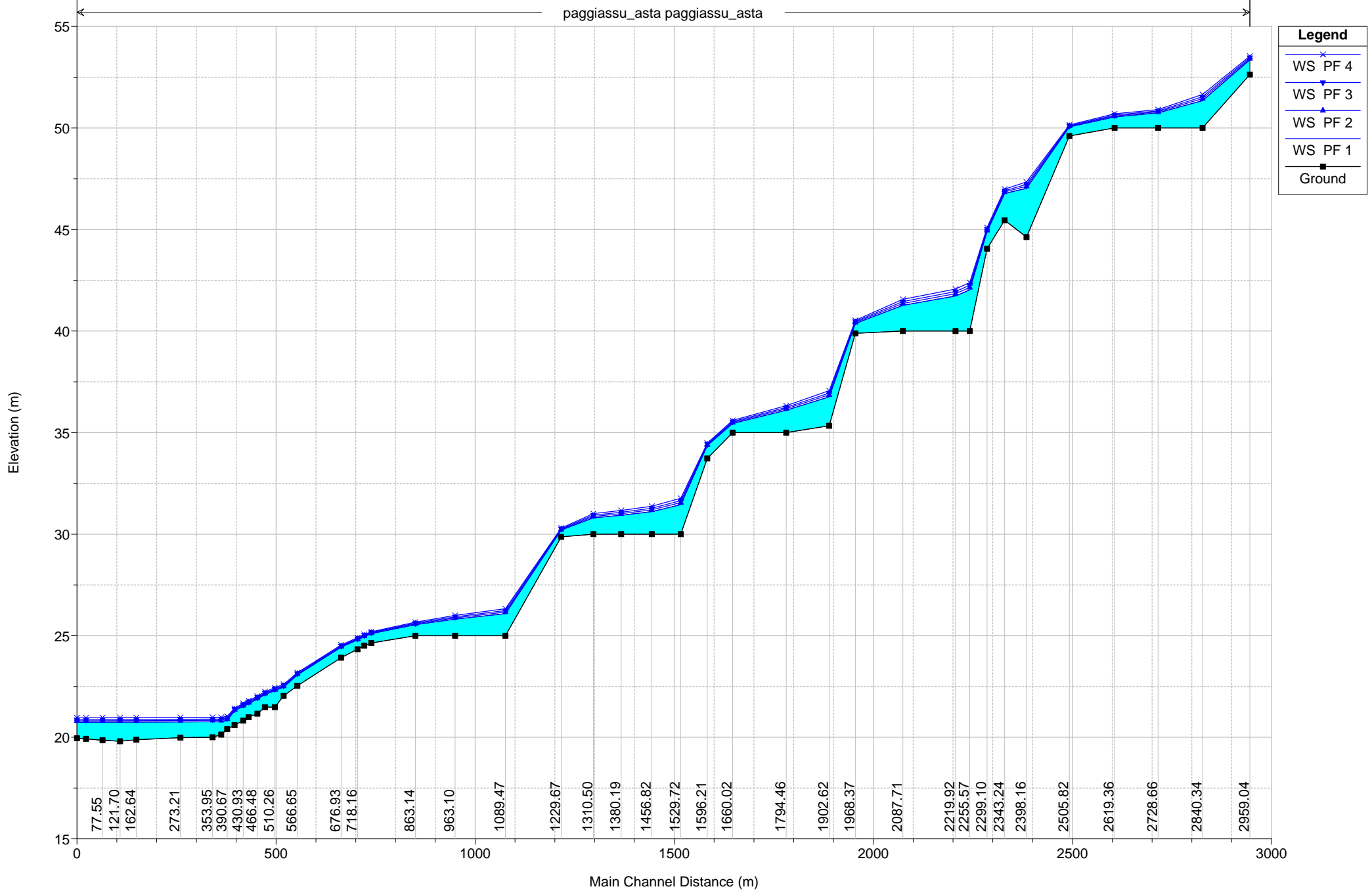
- Schemi planimetrici
- Profili longitudinali dei tiranti idrici per le portate con tempi di ritorno di 50-100-200-500 anni
- Sezioni trasversali con i tiranti idrici per le portate con tempi di ritorno di 50-100-200-500 anni
- Tabelle numeriche delle grandezze geometriche e idrauliche di input e output

River	Reach	RS	PORTATE mc/s			
			tr 50	tr 100	tr 200	tr 500
paggiassu_asta	paggiassu_as	2959.04	38.39	45.35	52.41	61.99

River	Reach	PROFILI	CONDIZIONI AL CONTORNO	
			upstream	downstream
paggiassu_asta	paggiassu_asta	tutti	Normal depth S=0.02	Known WS

Q (mc/s)	Known WS
38.39	20.74
40.35	20.81
52.41	20.87
61.99	20.96

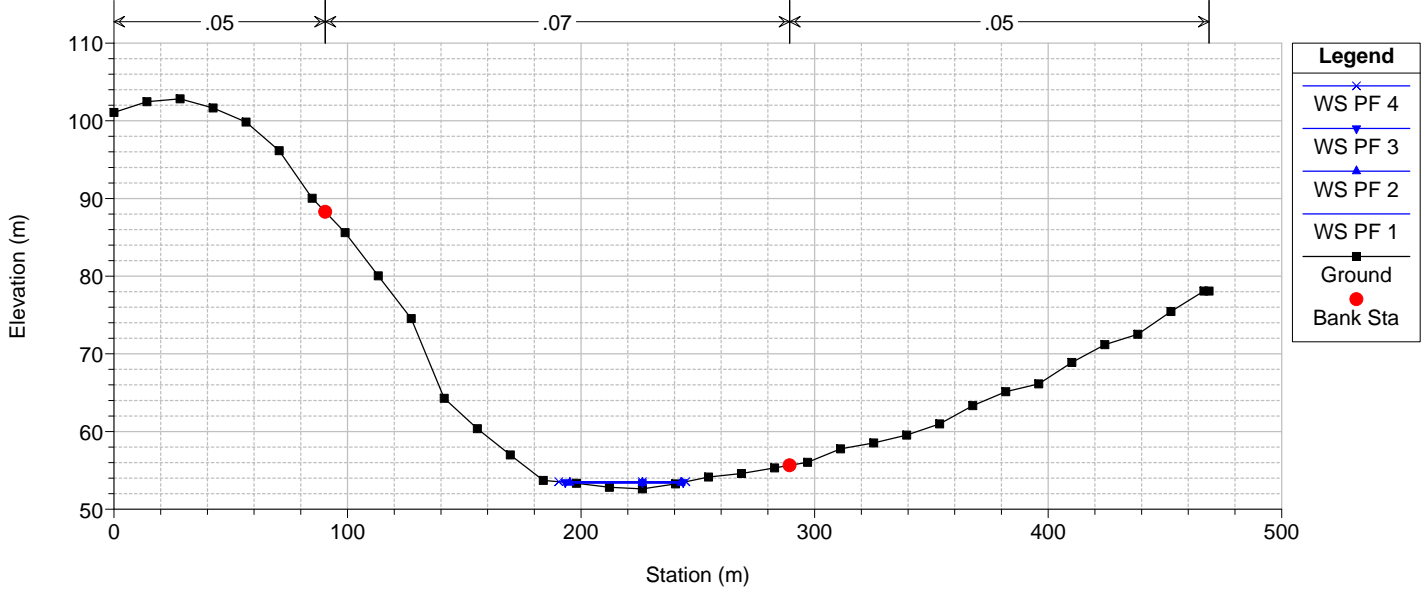




paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

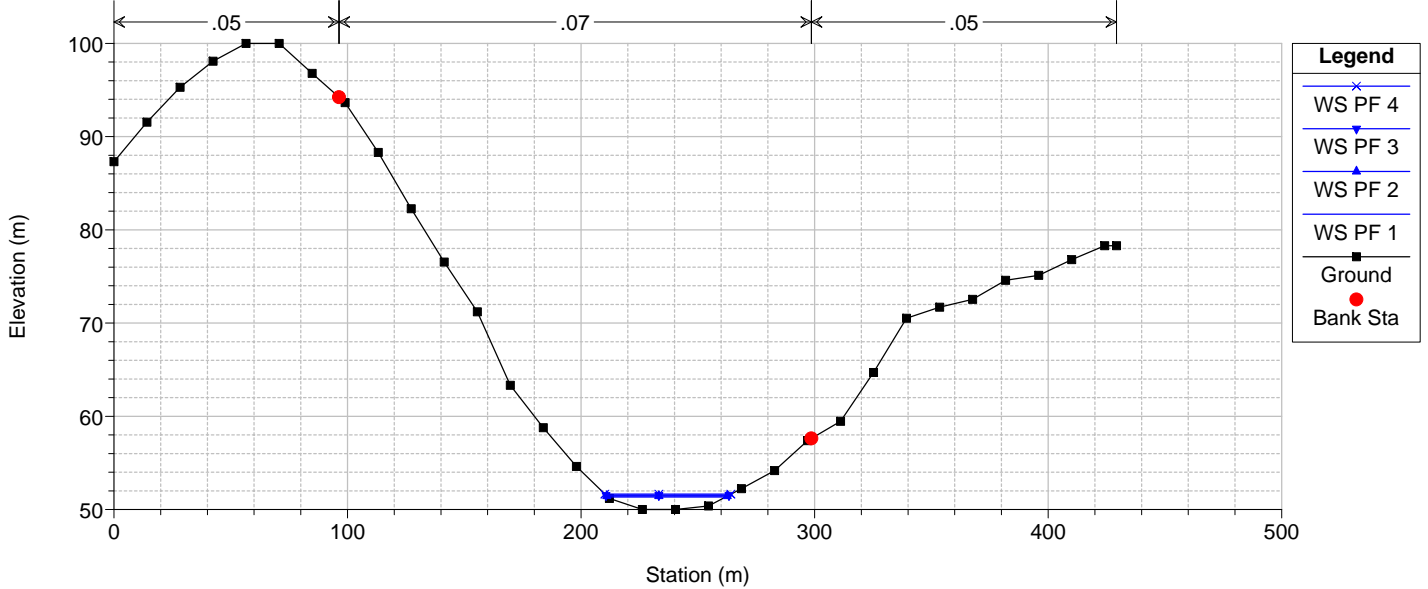
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paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

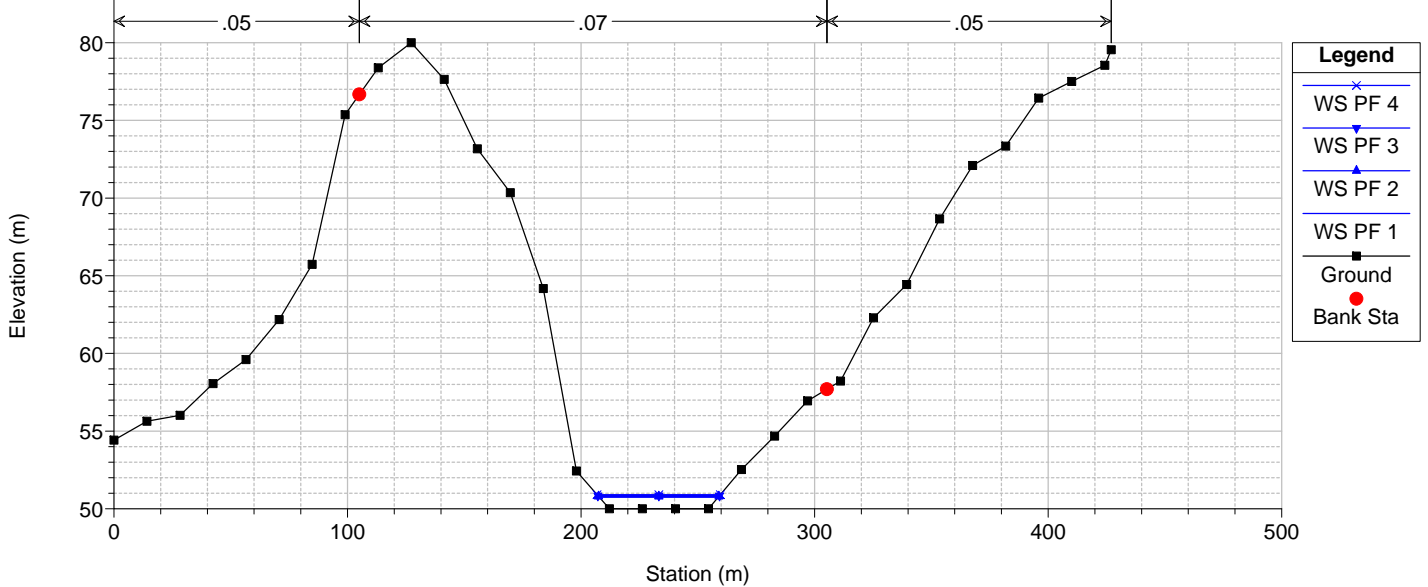
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paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

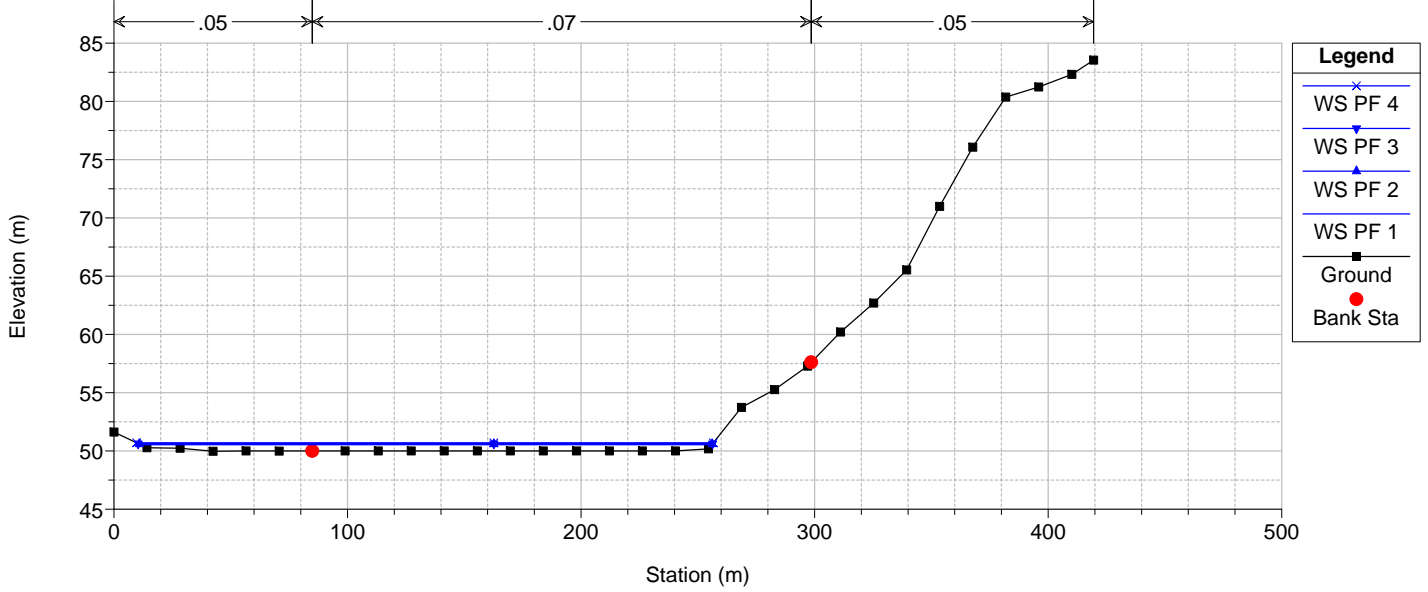
River = paggiassu_asta Reach = paggiassu_asta RS = 2728.66 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

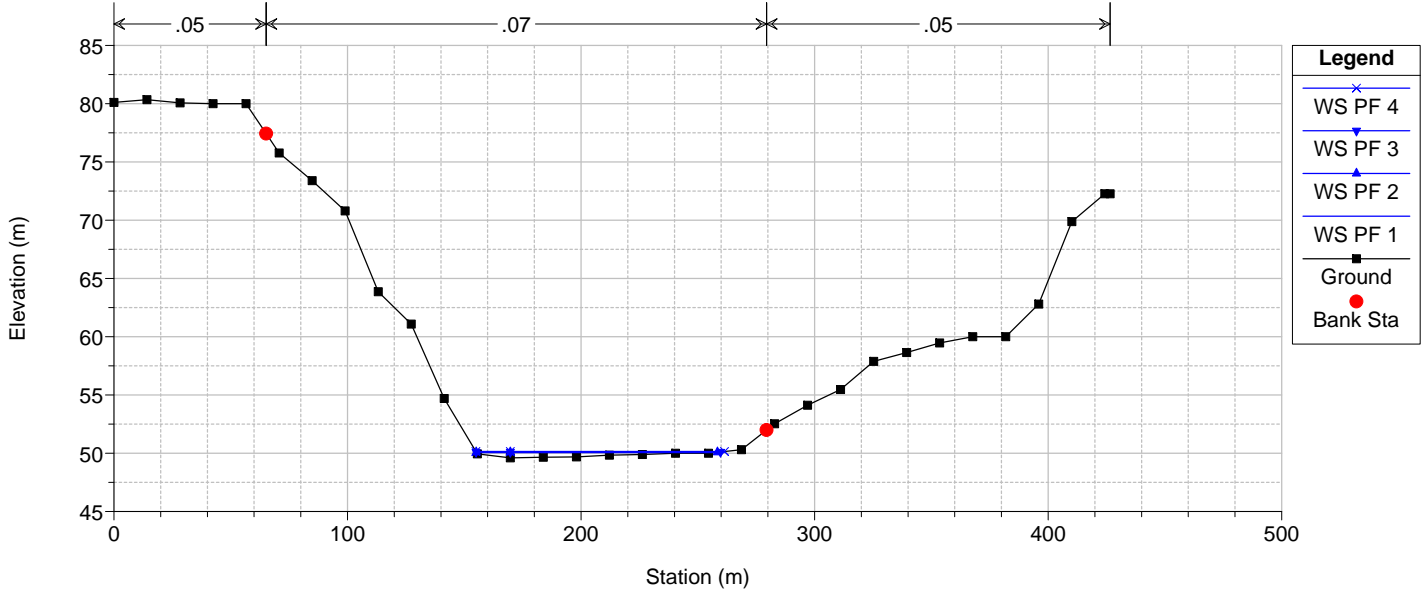
River = paggiassu_asta Reach = paggiassu_asta RS = 2619.36 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

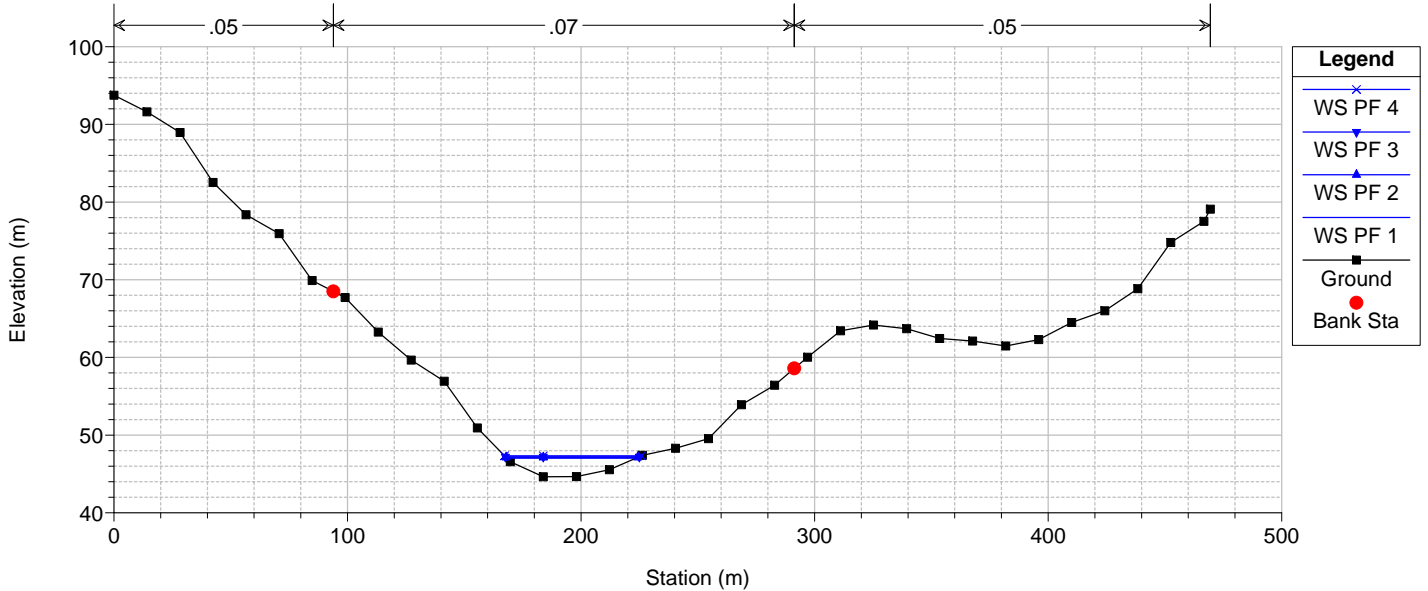
River = paggiassu_asta Reach = paggiassu_asta RS = 2505.82 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

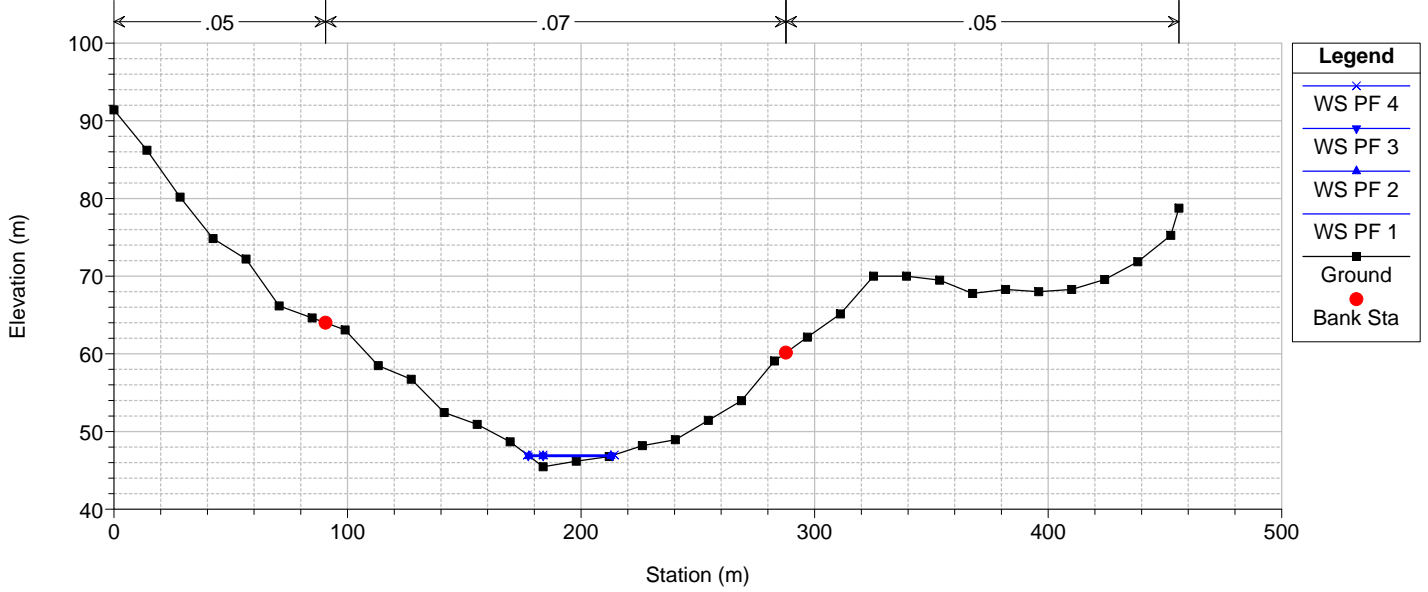
River = paggiassu_asta Reach = paggiassu_asta RS = 2398.16 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

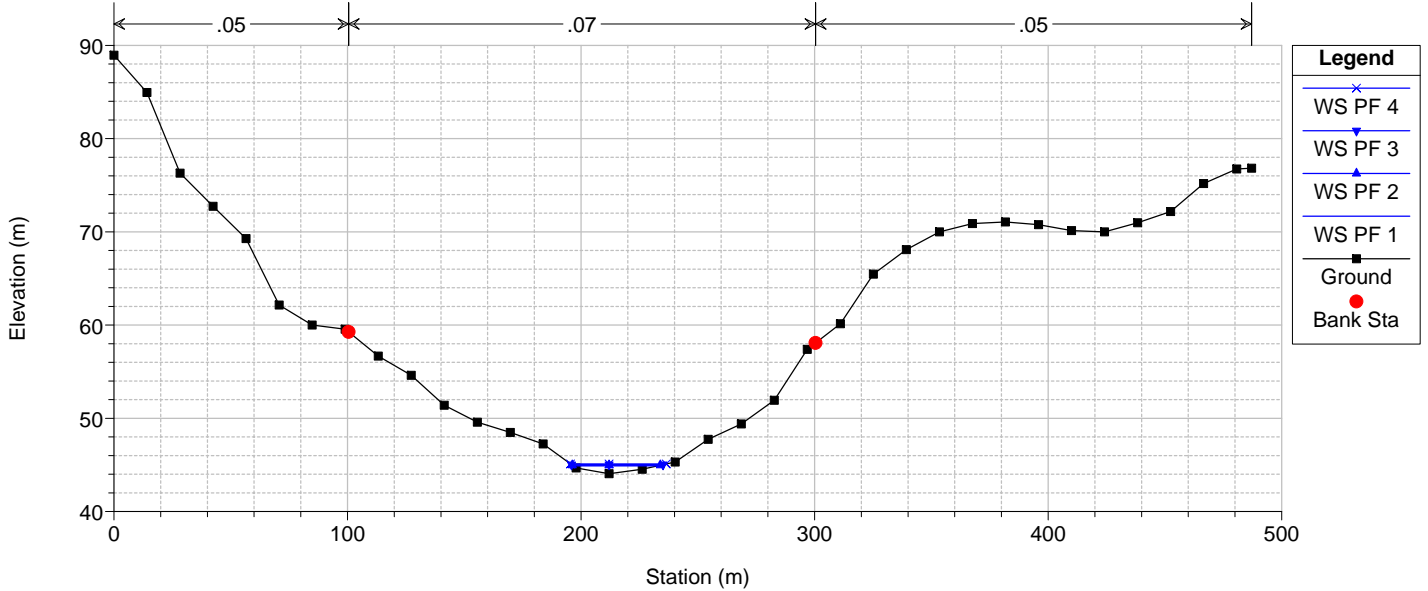
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paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

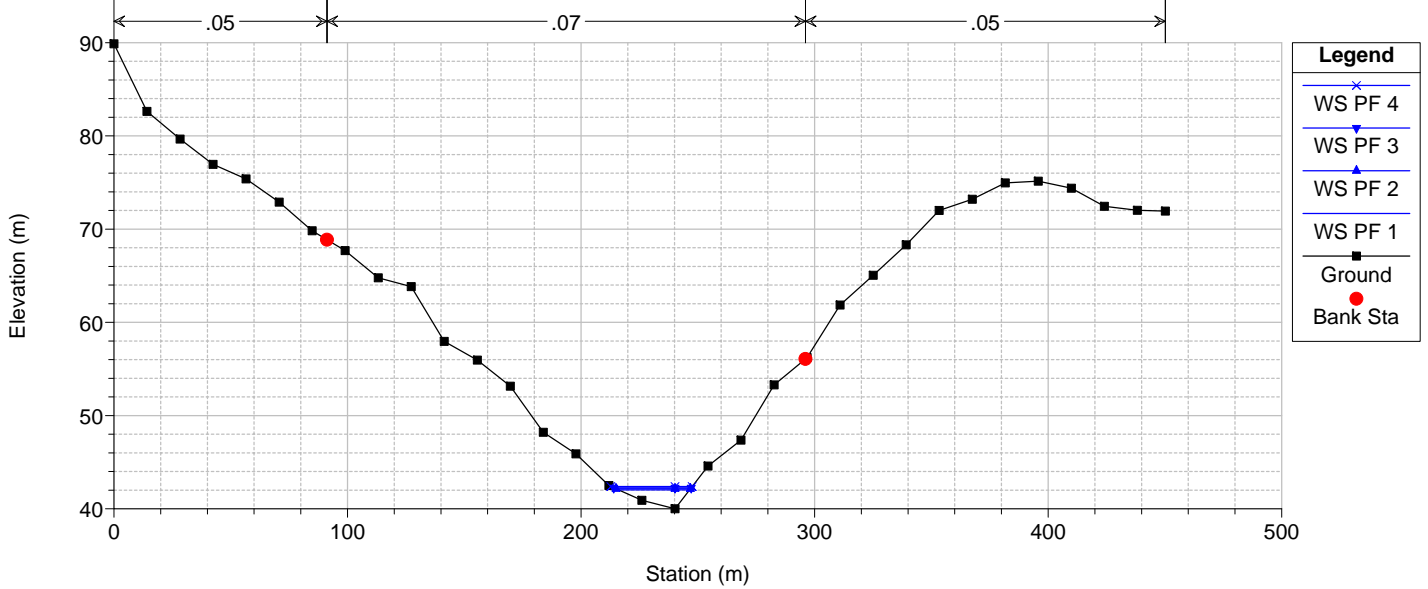
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paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

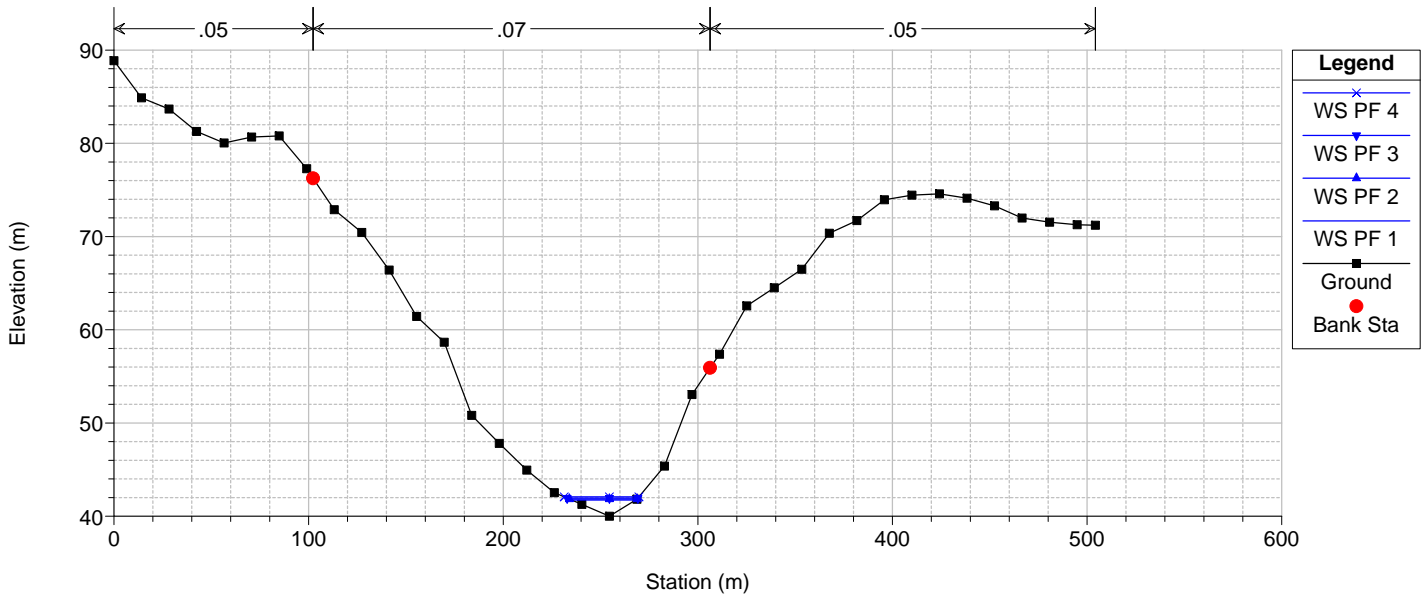
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paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

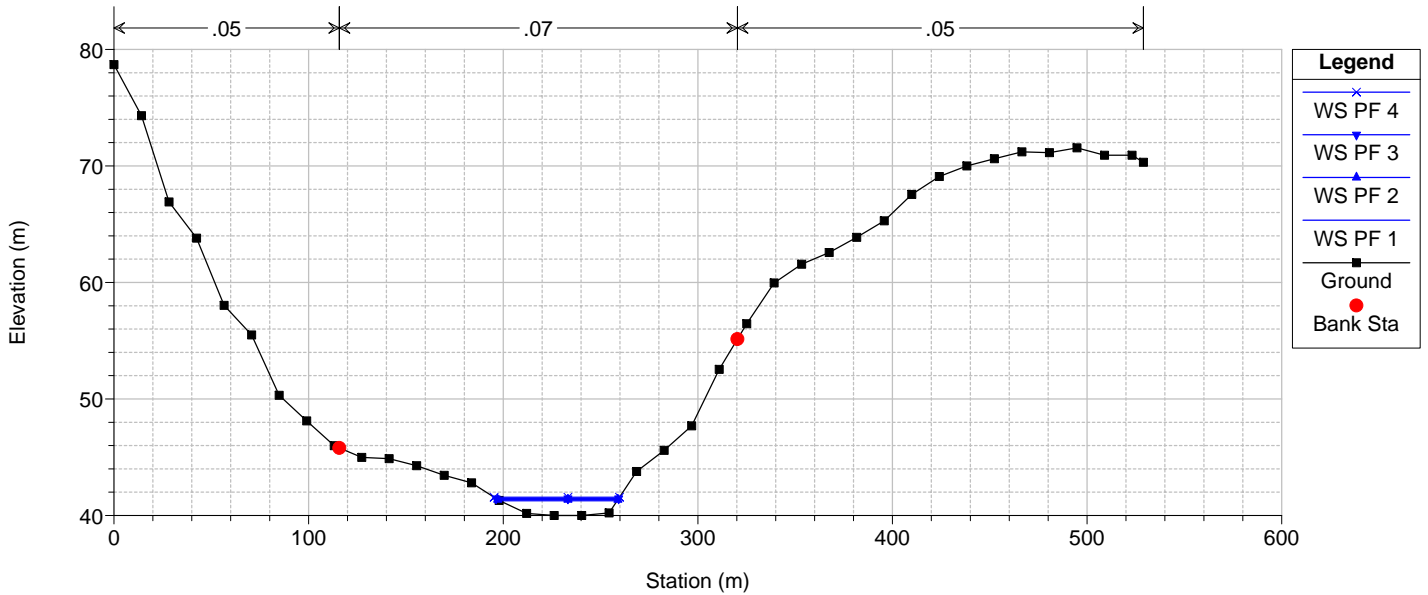
River = paggiassu_asta Reach = paggiassu_asta RS = 2219.92 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

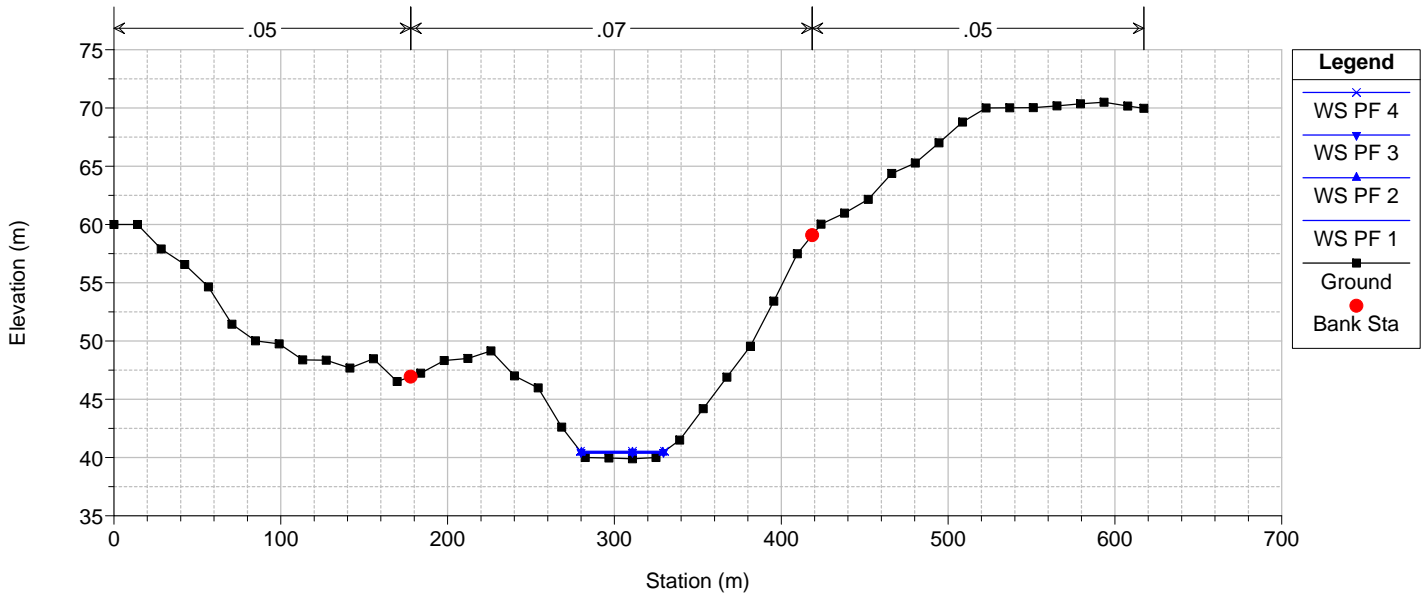
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paggiassu Plan: Plan 04 10/25/2017

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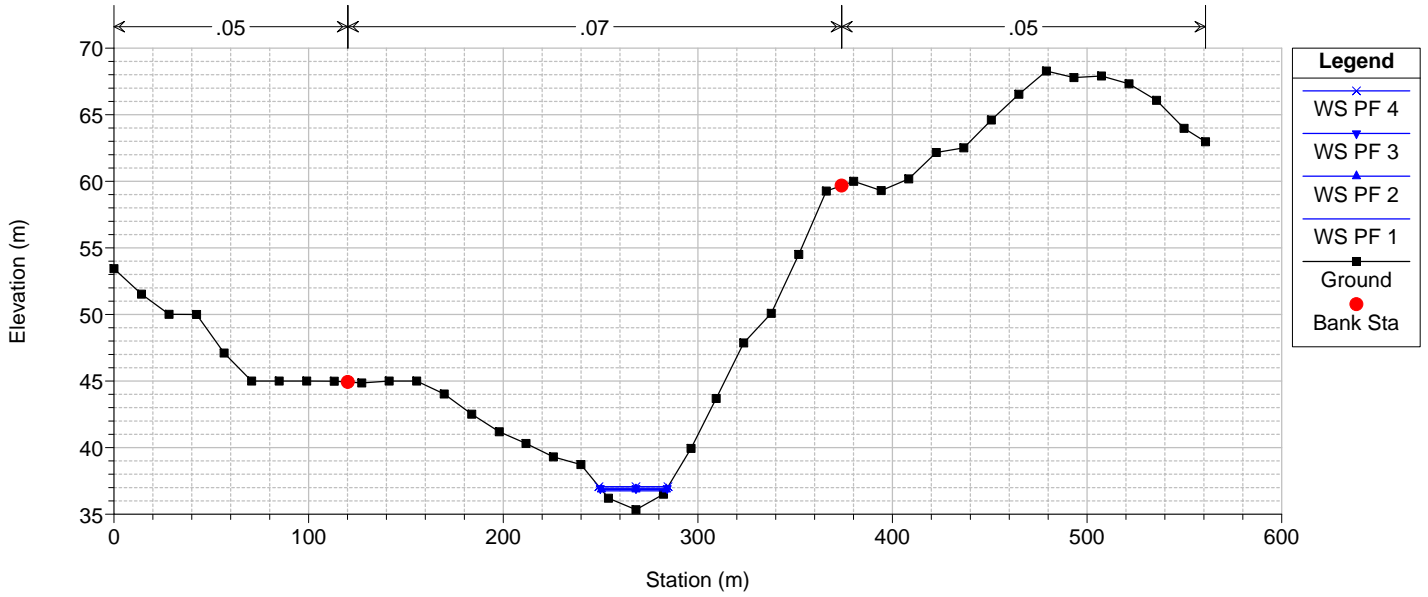
River = paggiassu_asta Reach = paggiassu_asta RS = 1968.37 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

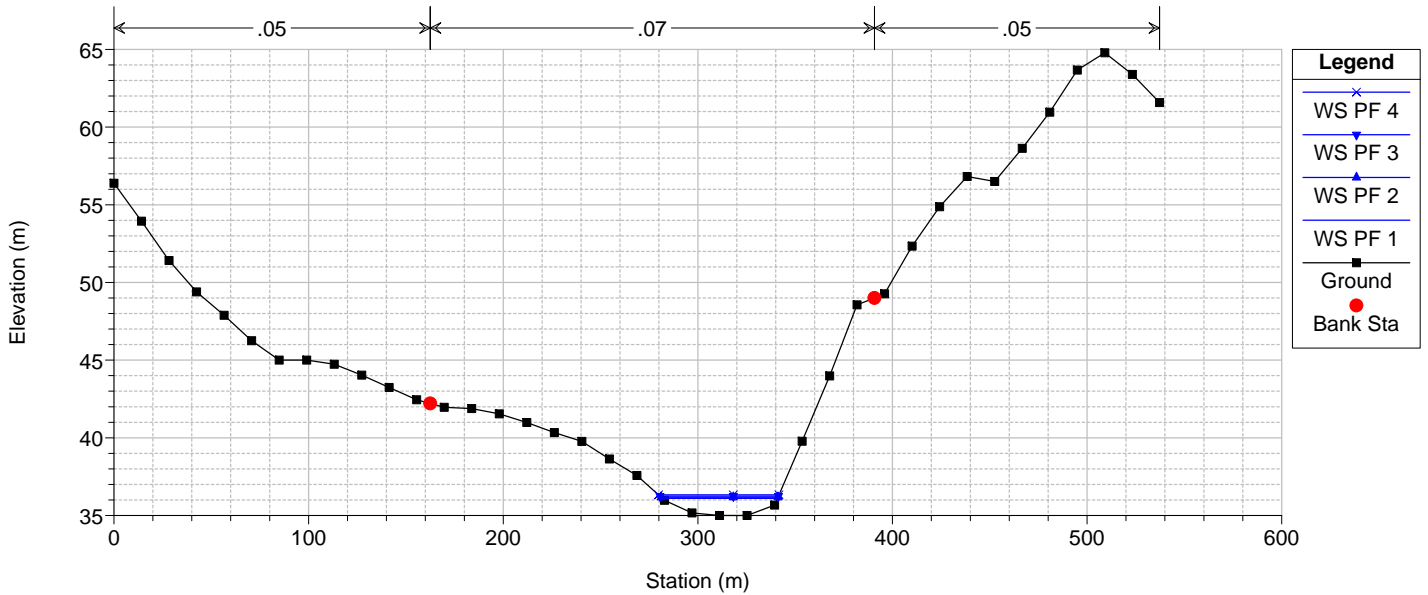
River = paggiassu_asta Reach = paggiassu_asta RS = 1902.62 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

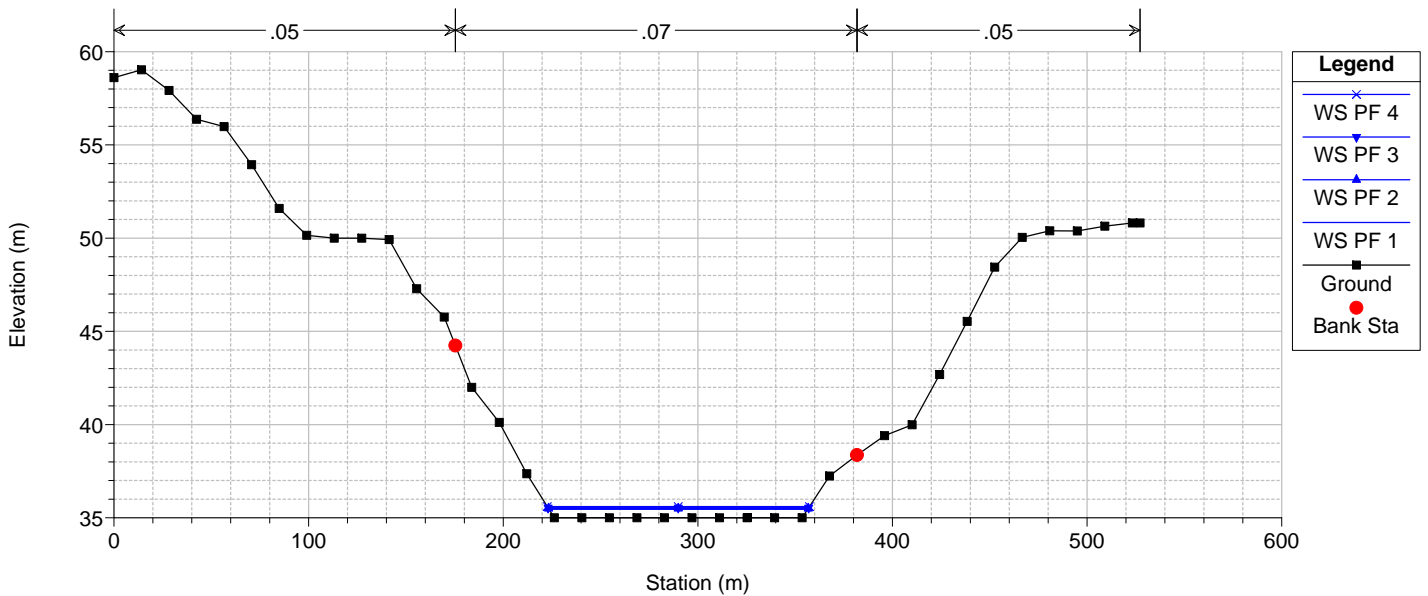
River = paggiassu_asta Reach = paggiassu_asta RS = 1794.46 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

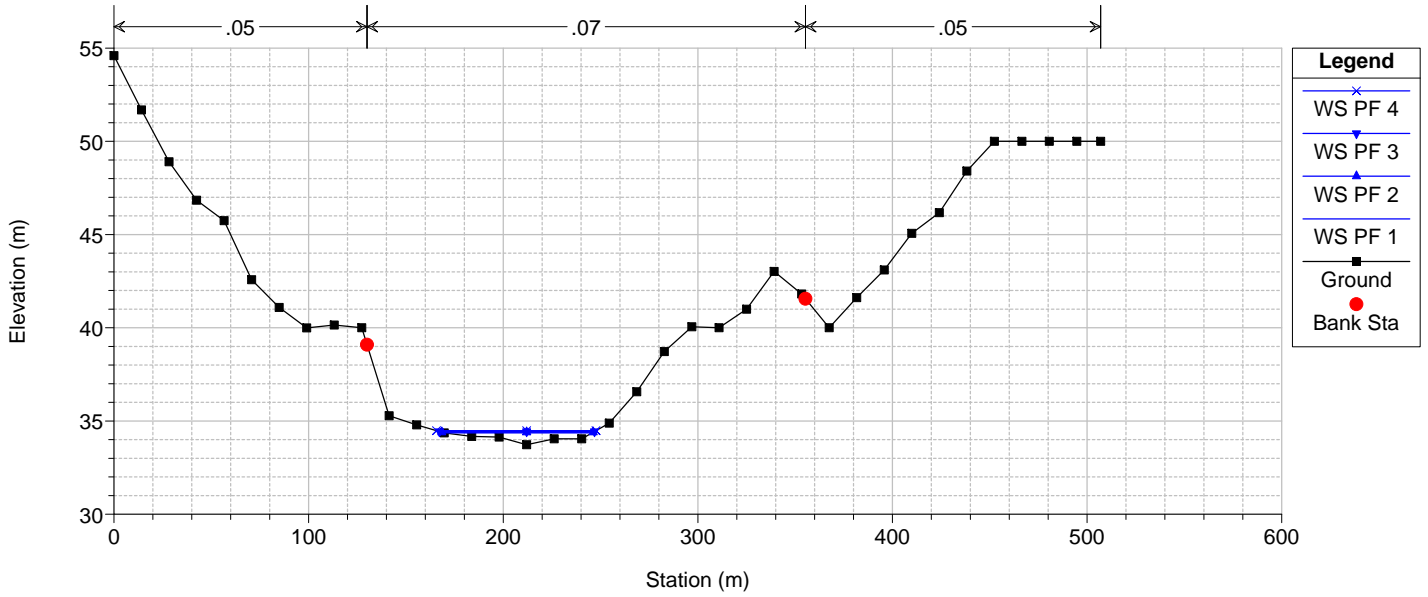
River = paggiassu_asta Reach = paggiassu_asta RS = 1660.02 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

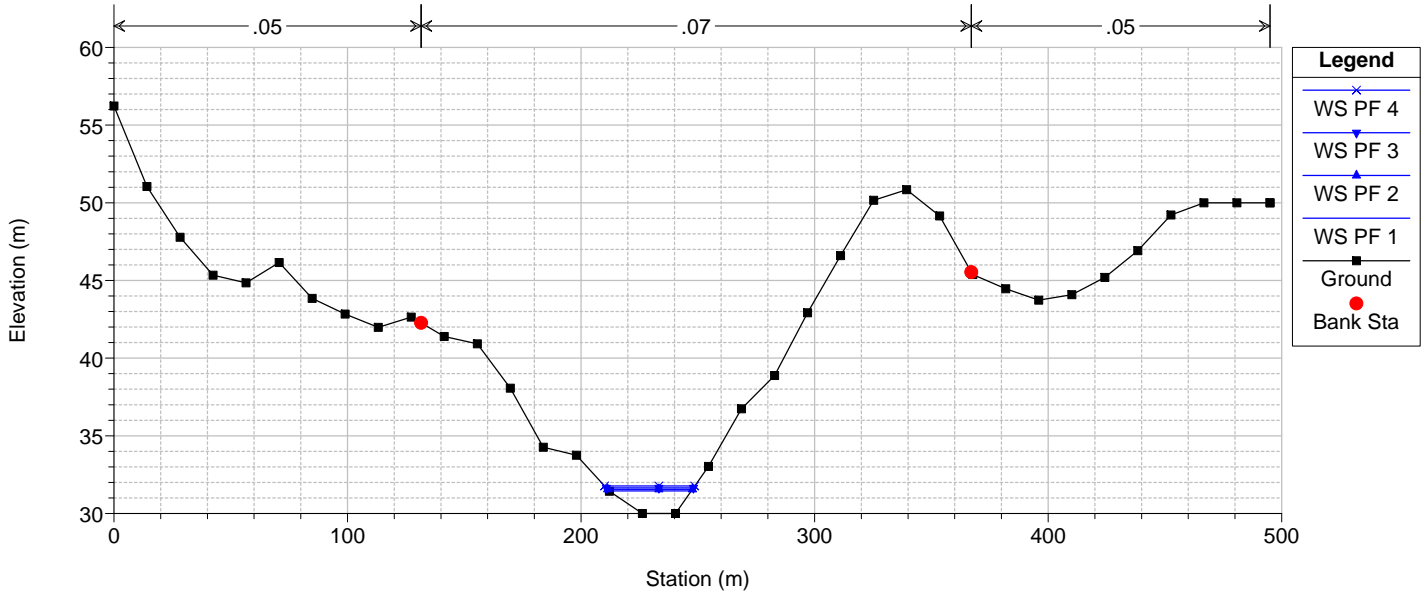
River = paggiassu_asta Reach = paggiassu_asta RS = 1596.21 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

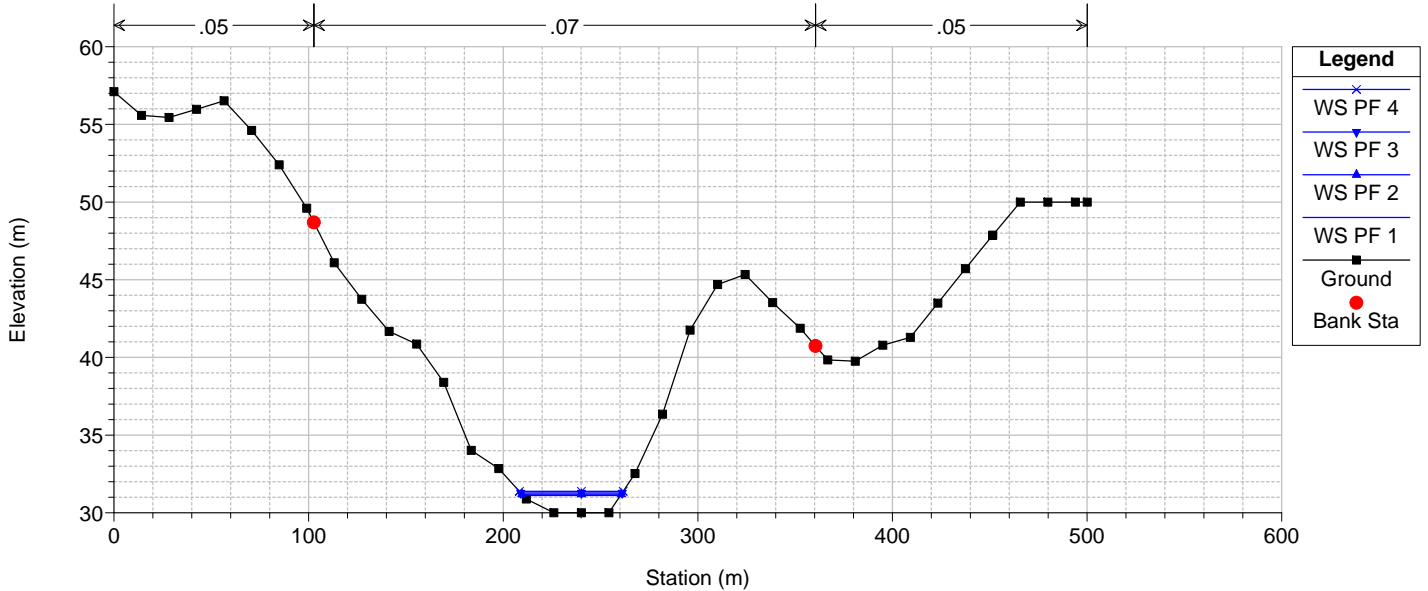
River = paggiassu_asta Reach = paggiassu_asta RS = 1529.72 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

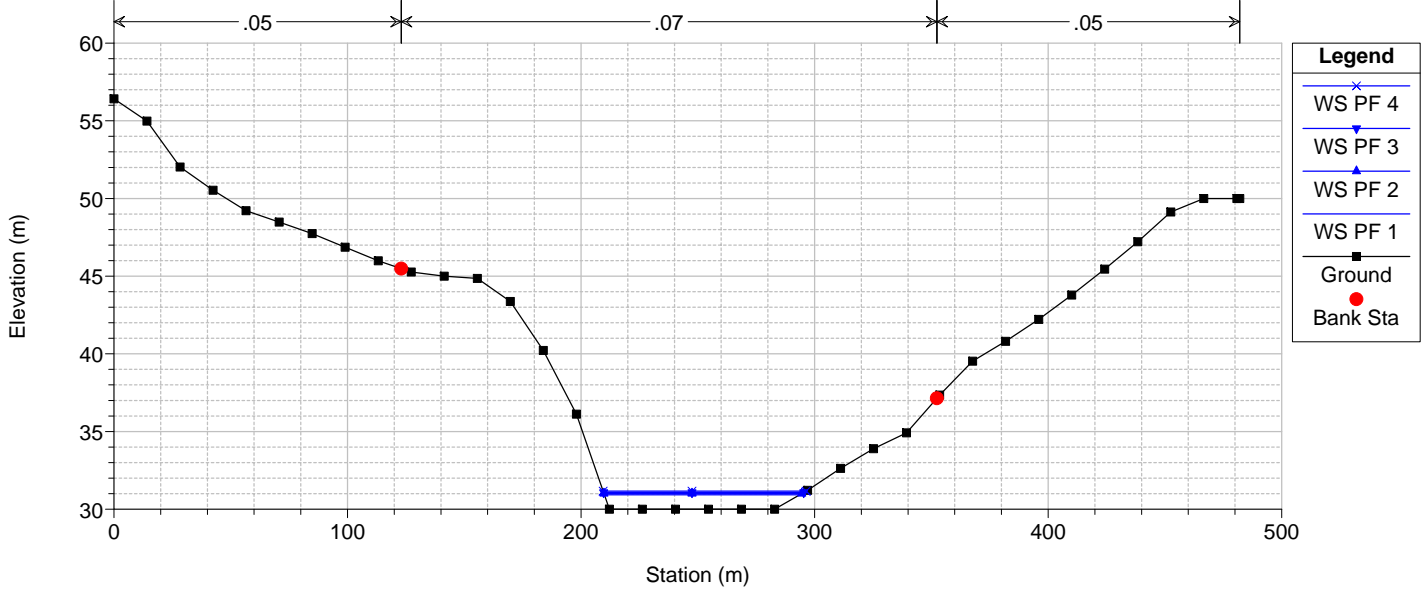
River = paggiassu_asta Reach = paggiassu_asta RS = 1456.82 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

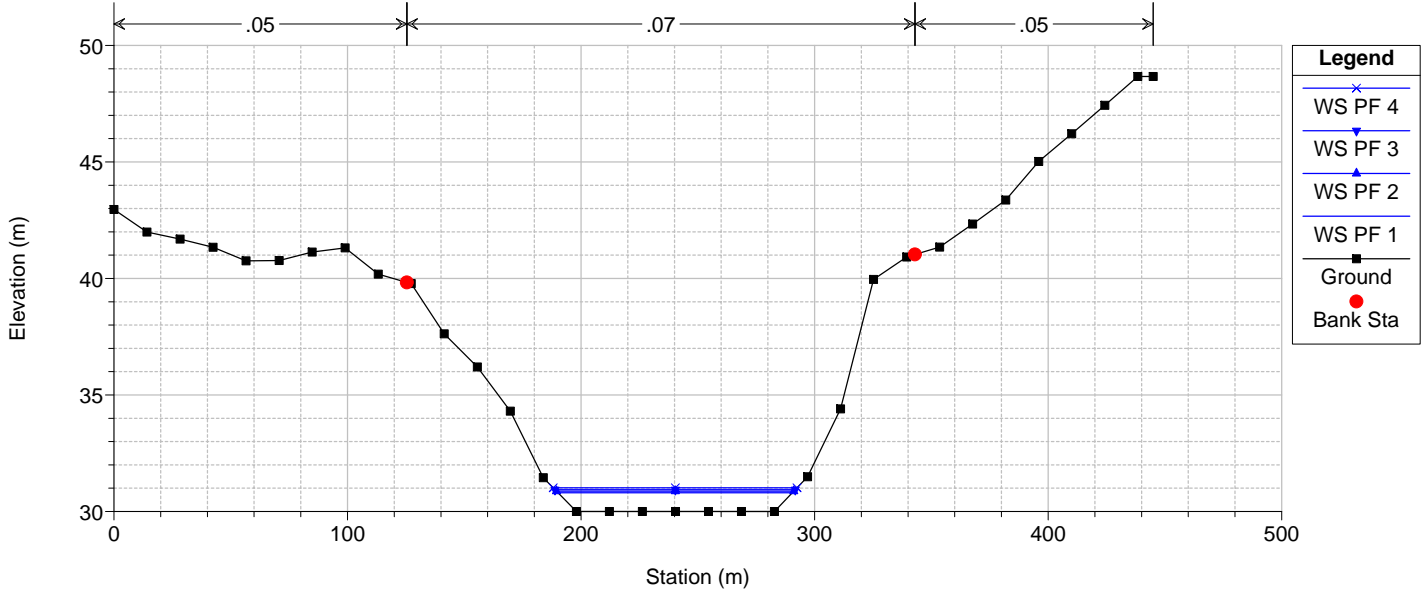
River = paggiassu_asta Reach = paggiassu_asta RS = 1380.19 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

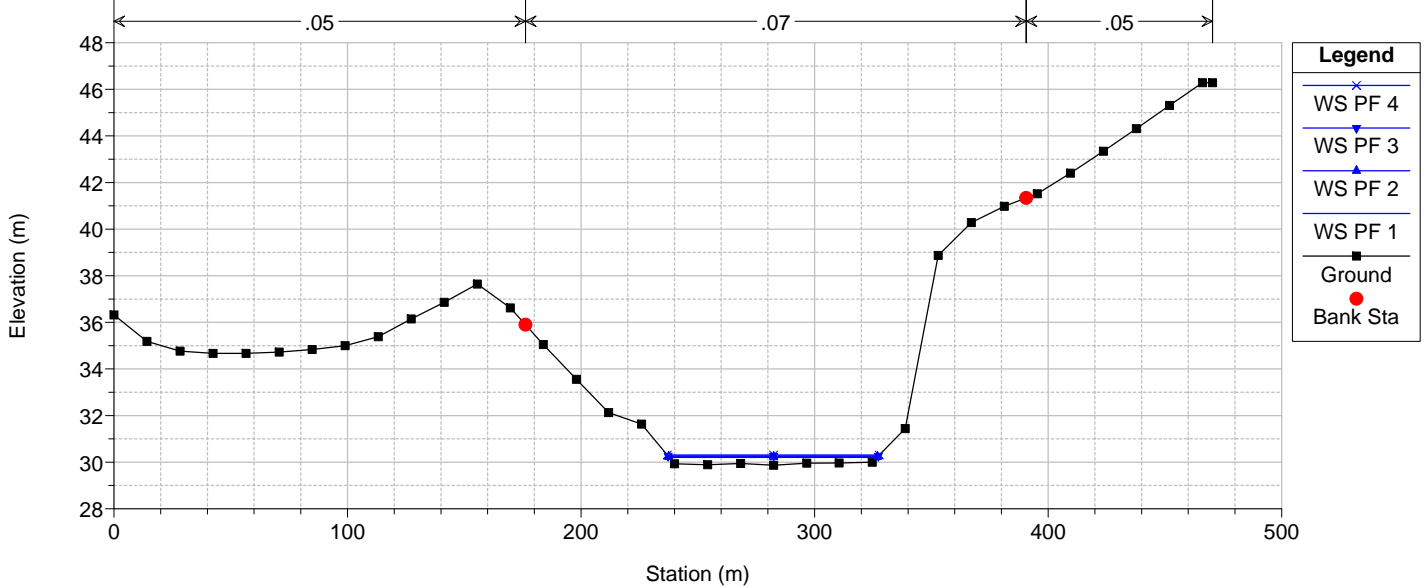
River = paggiassu_asta Reach = paggiassu_asta RS = 1310.50 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

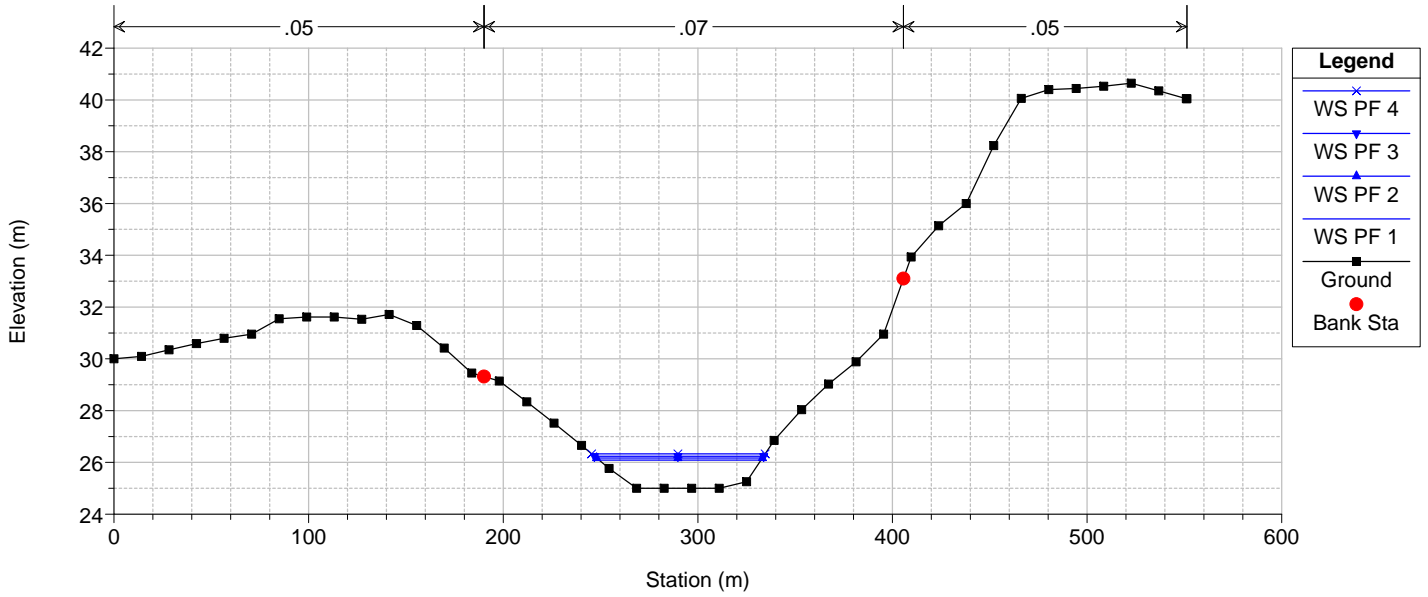
River = paggiassu_asta Reach = paggiassu_asta RS = 1229.67 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

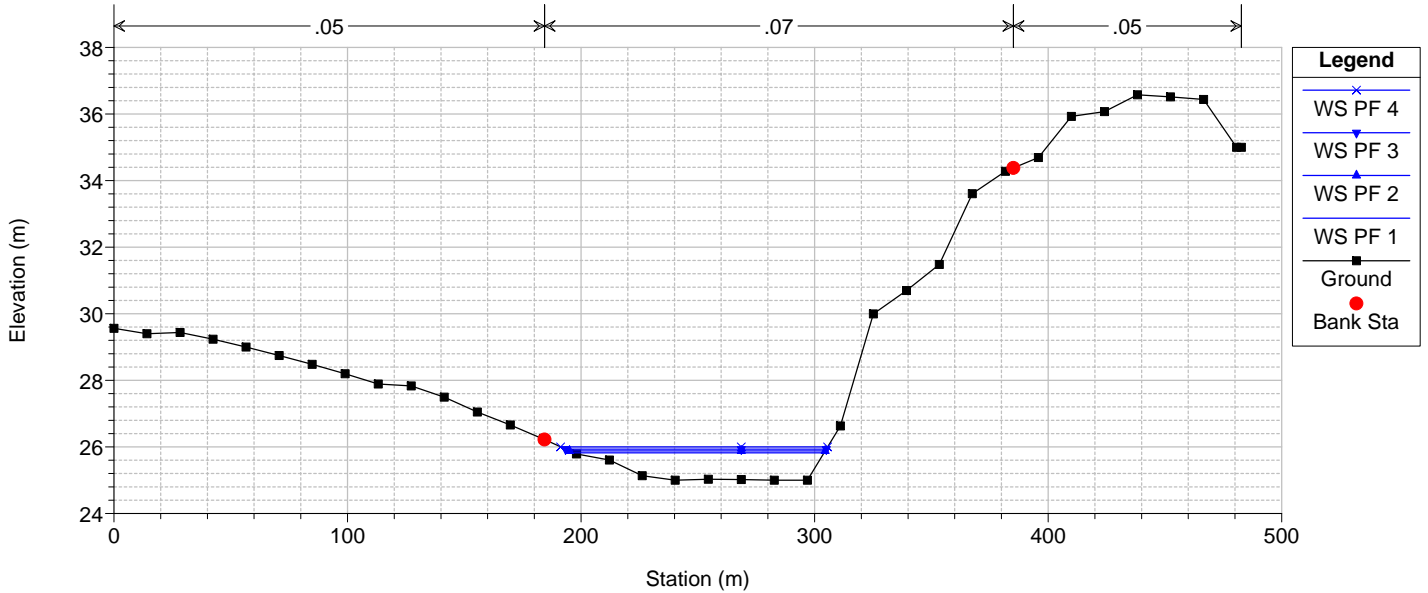
River = paggiassu_asta Reach = paggiassu_asta RS = 1089.47 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

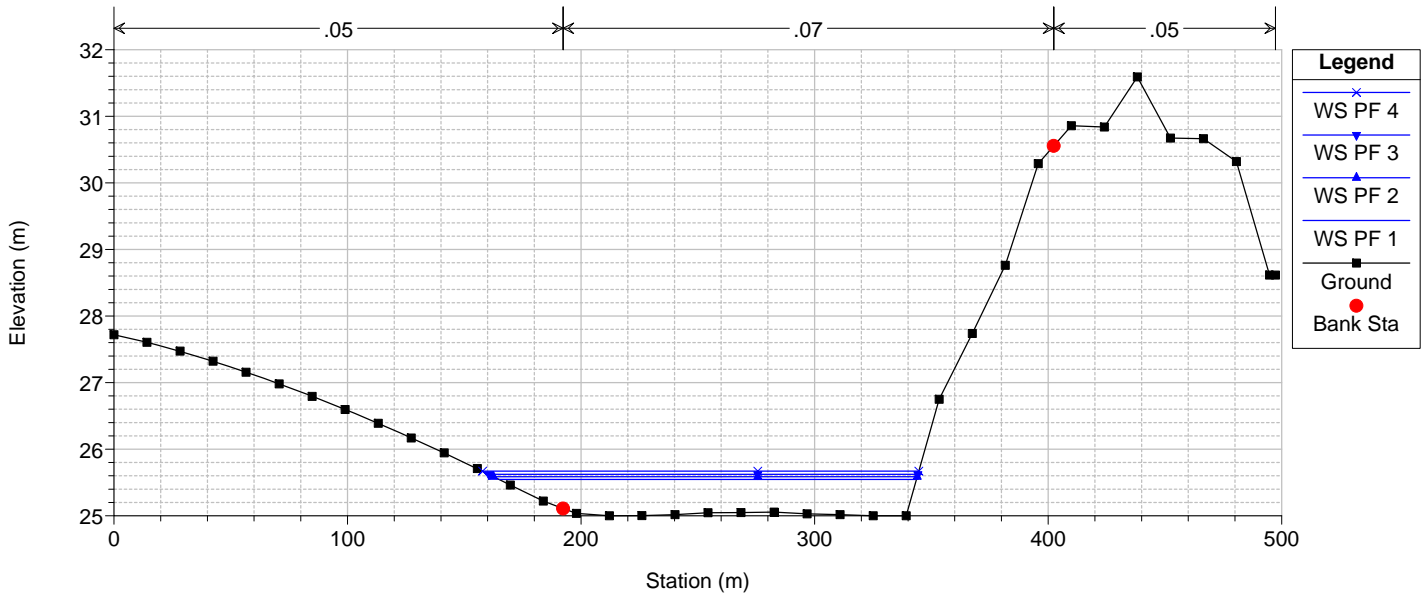
River = paggiassu_asta Reach = paggiassu_asta RS = 963.10 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

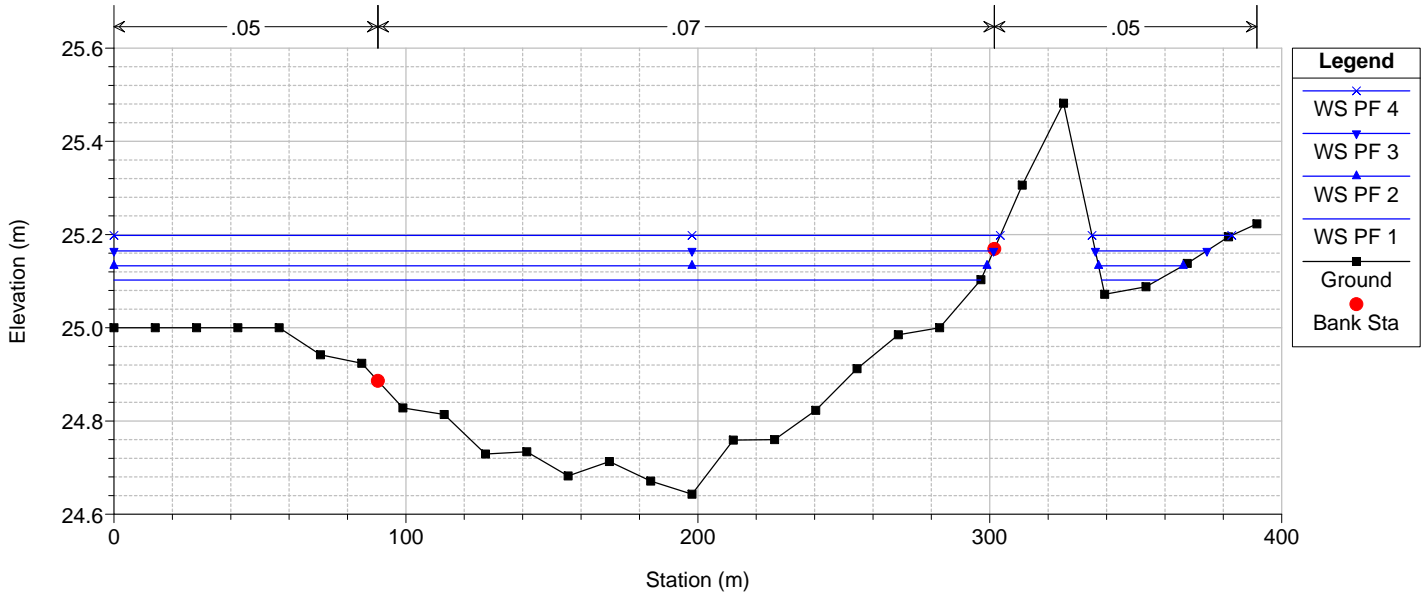
River = paggiassu_asta Reach = paggiassu_asta RS = 863.14 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

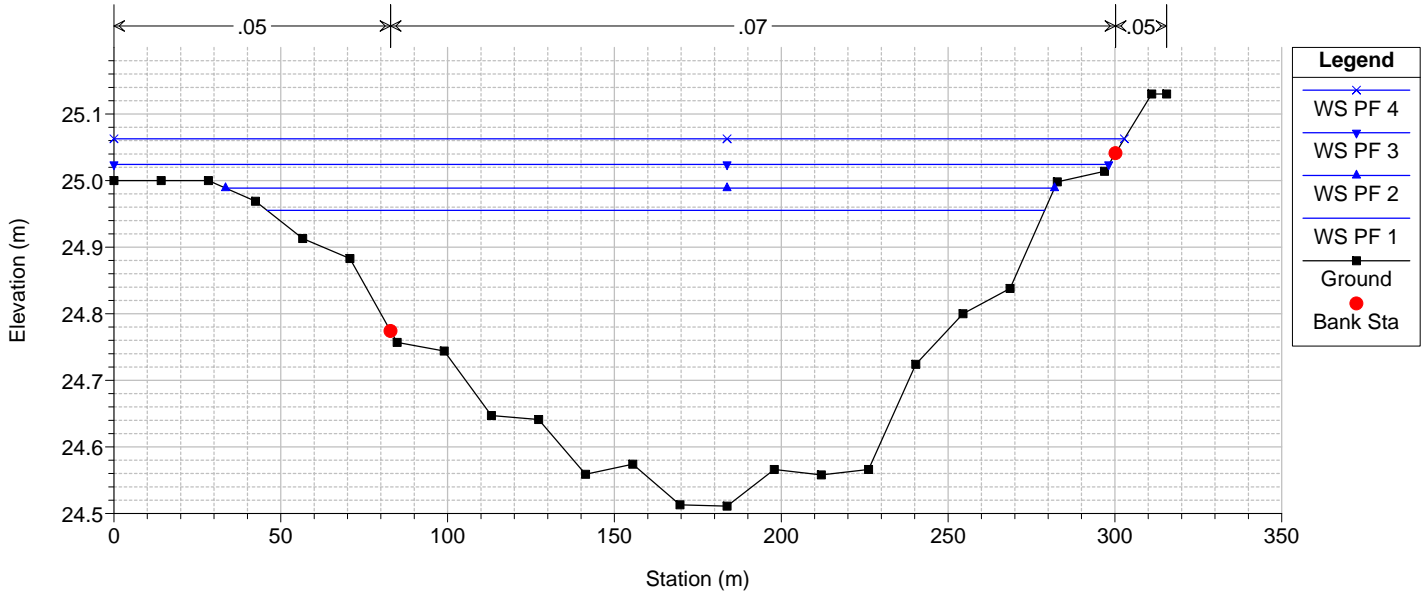
River = paggiassu_asta Reach = paggiassu_asta RS = 752.63 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

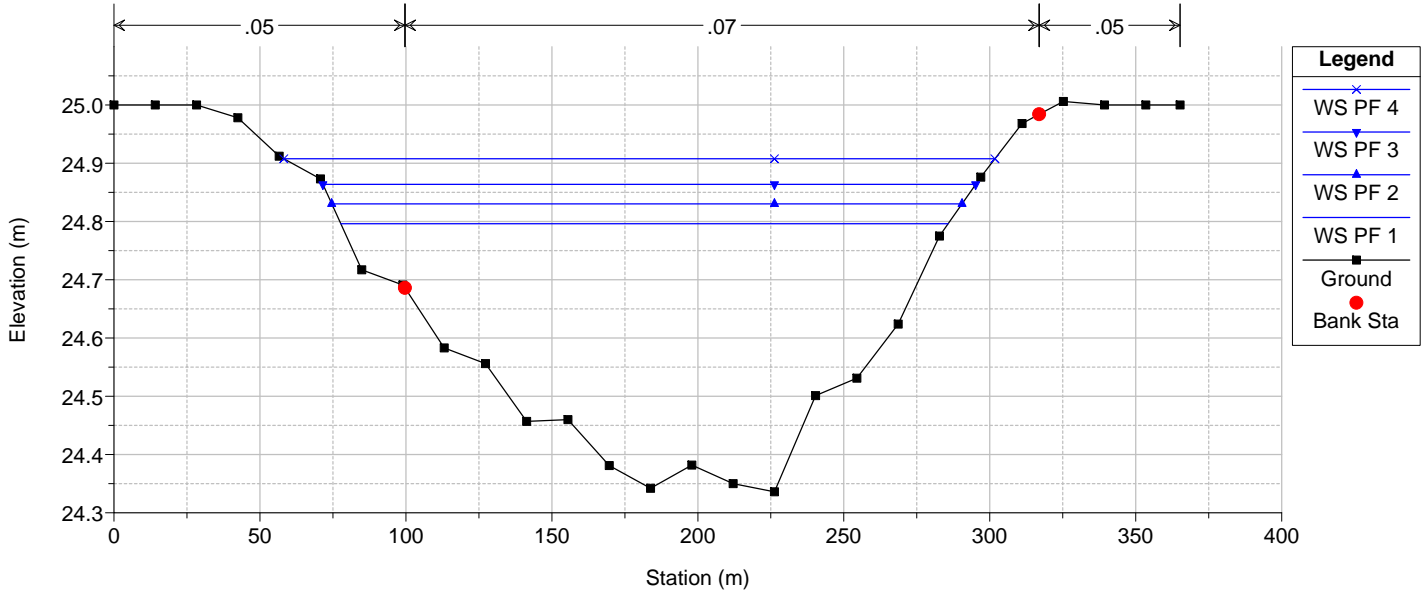
River = paggiassu_asta Reach = paggiassu_asta RS = 734.91 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

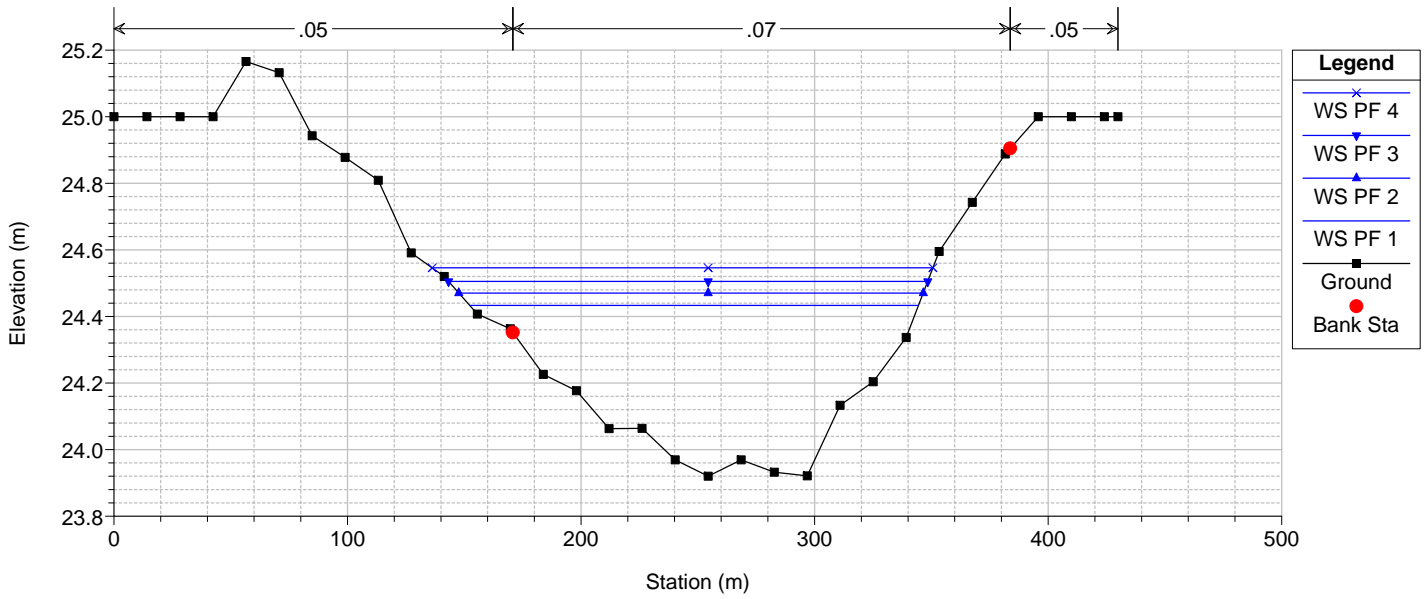
River = paggiassu_asta Reach = paggiassu_asta RS = 718.16 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

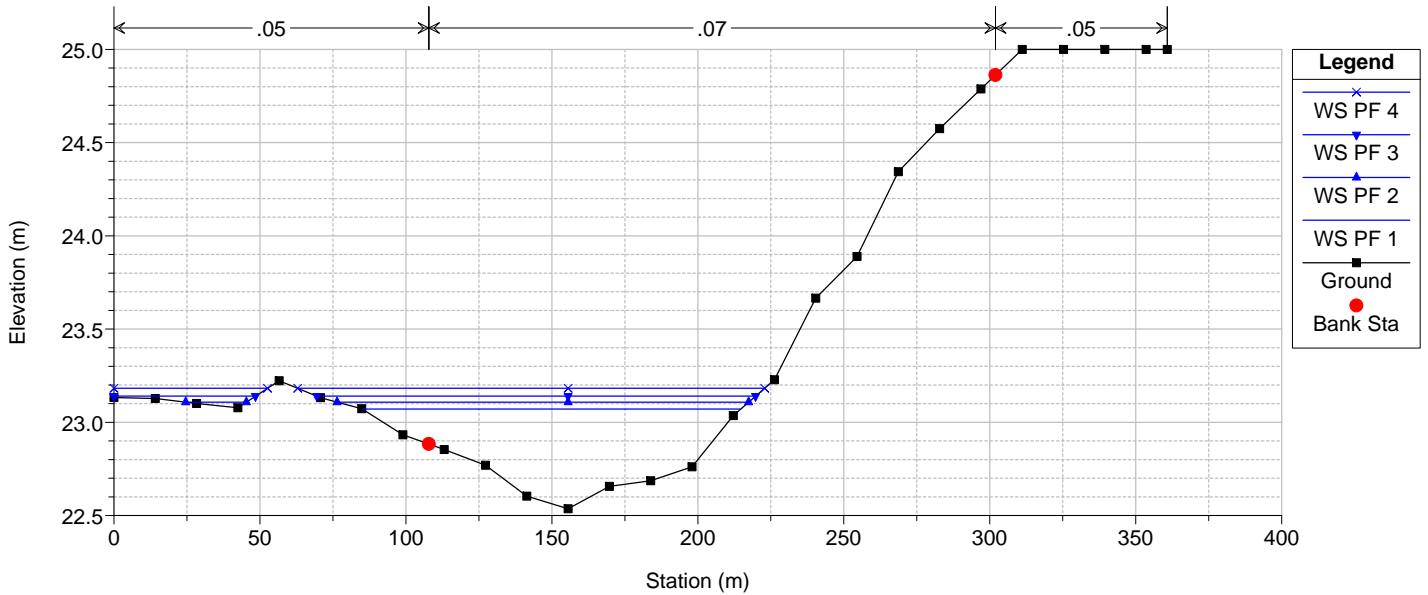
River = paggiassu_asta Reach = paggiassu_asta RS = 676.93 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

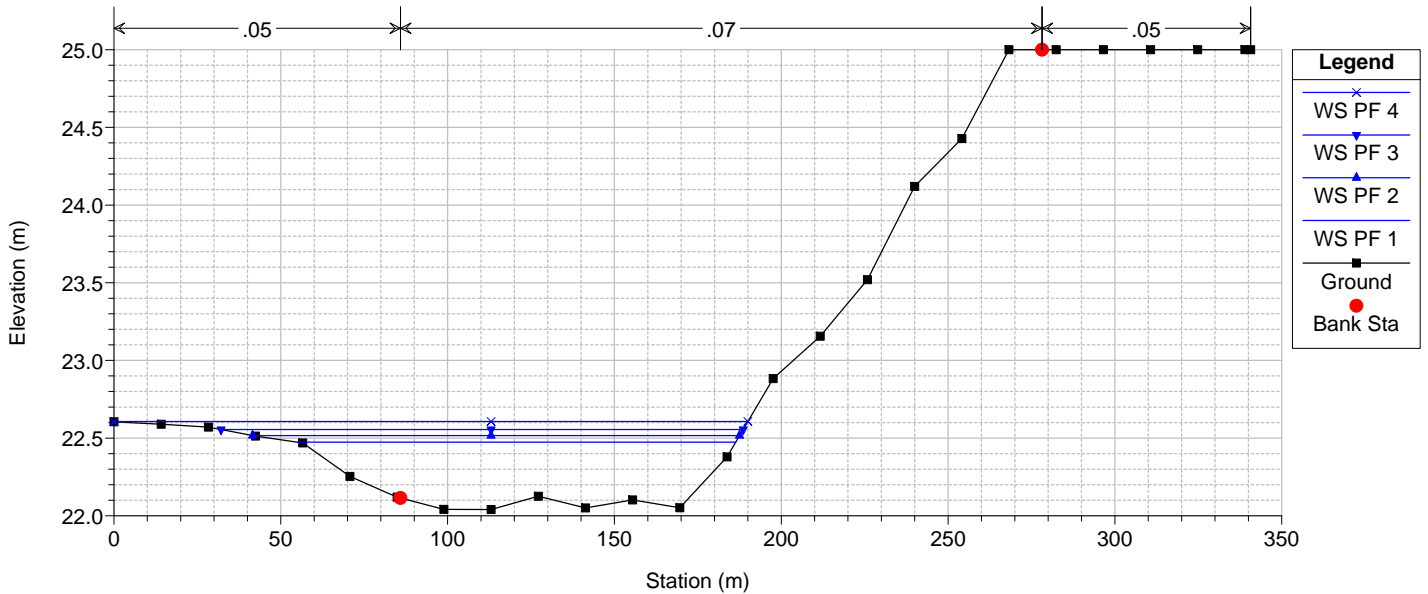
River = paggiassu_asta Reach = paggiassu_asta RS = 566.65 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

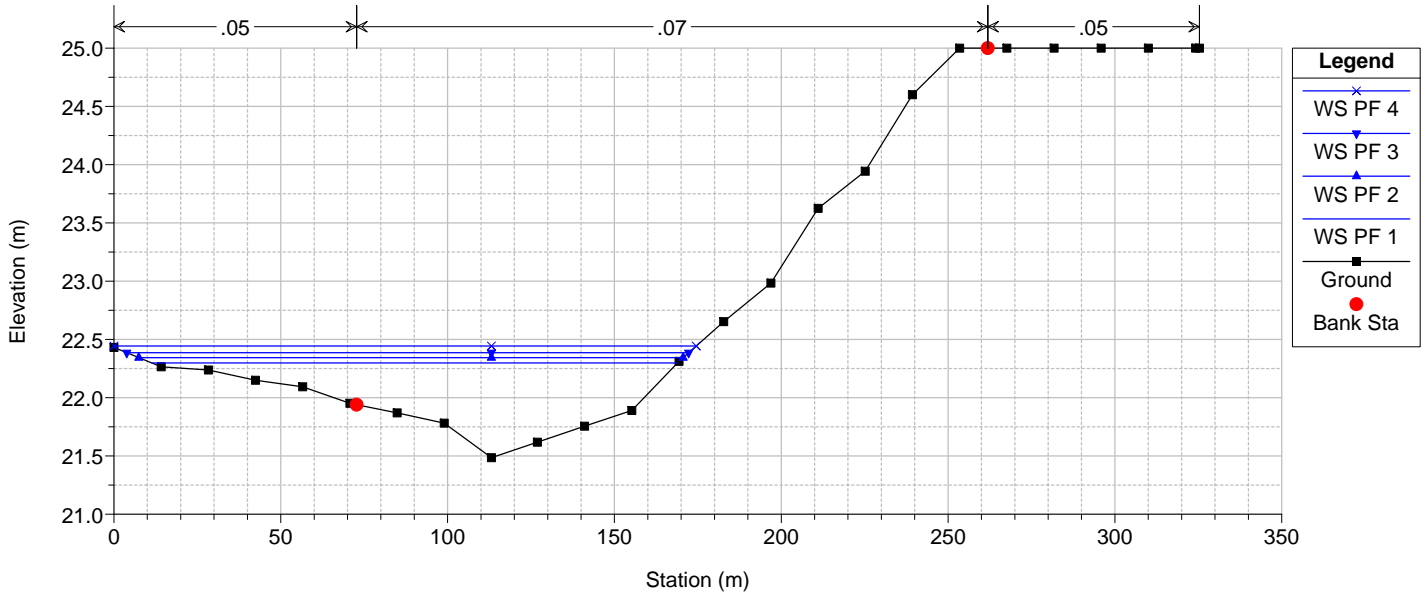
River = paggiassu_asta Reach = paggiassu_asta RS = 532.44 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

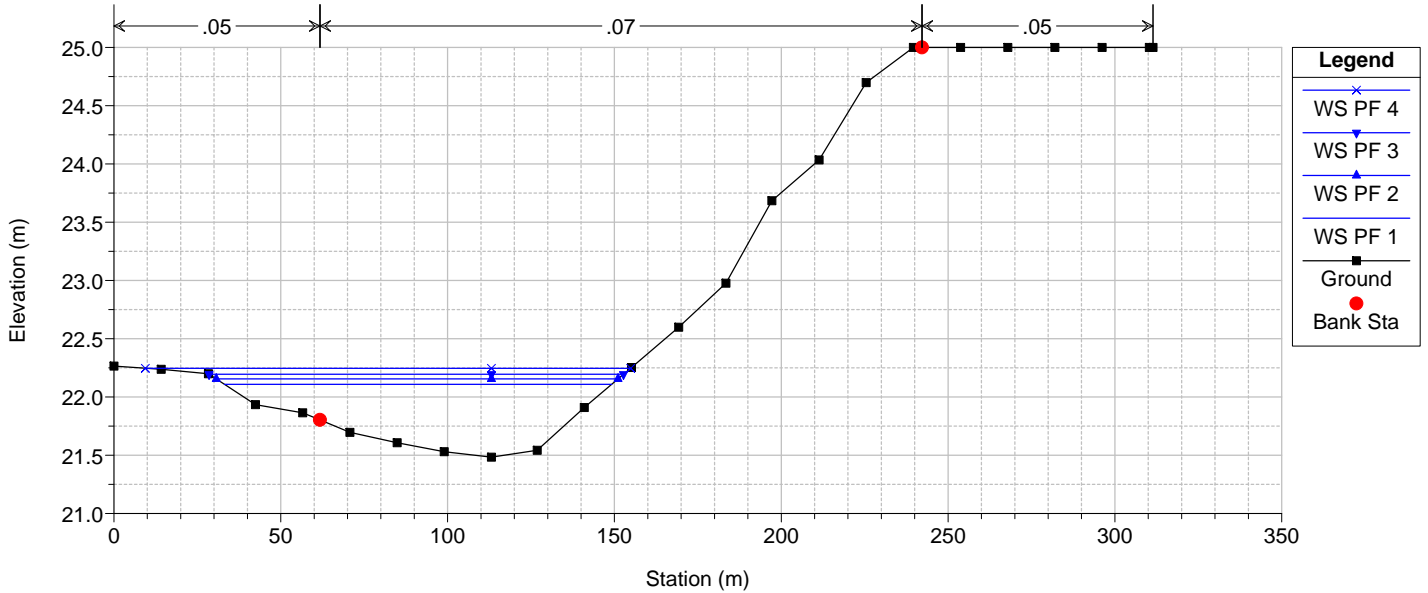
River = paggiassu_asta Reach = paggiassu_asta RS = 510.26 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

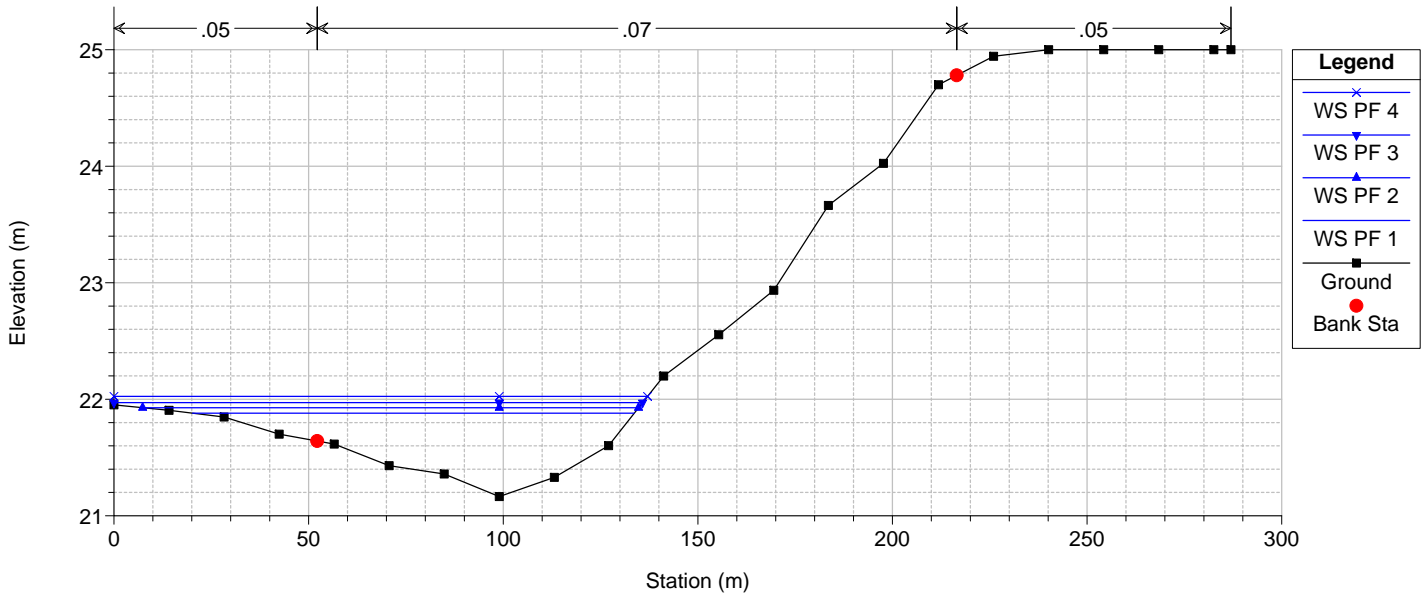
River = paggiassu_asta Reach = paggiassu_asta RS = 485.70 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

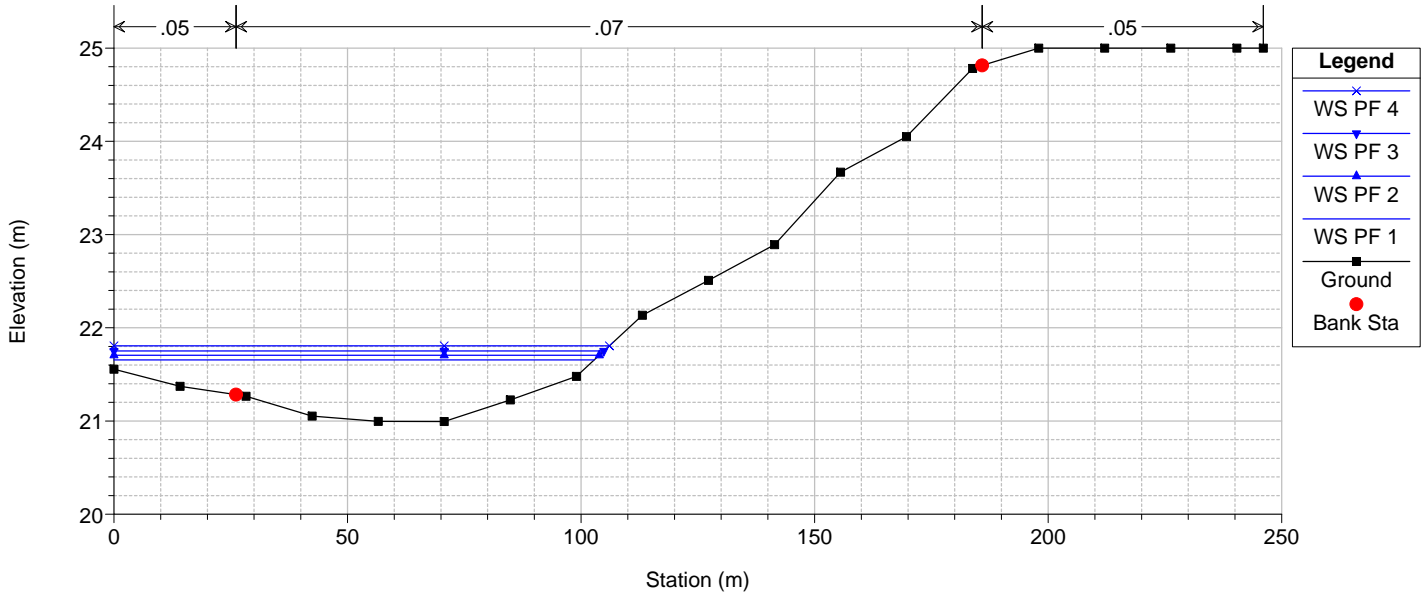
River = paggiassu_asta Reach = paggiassu_asta RS = 466.48 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

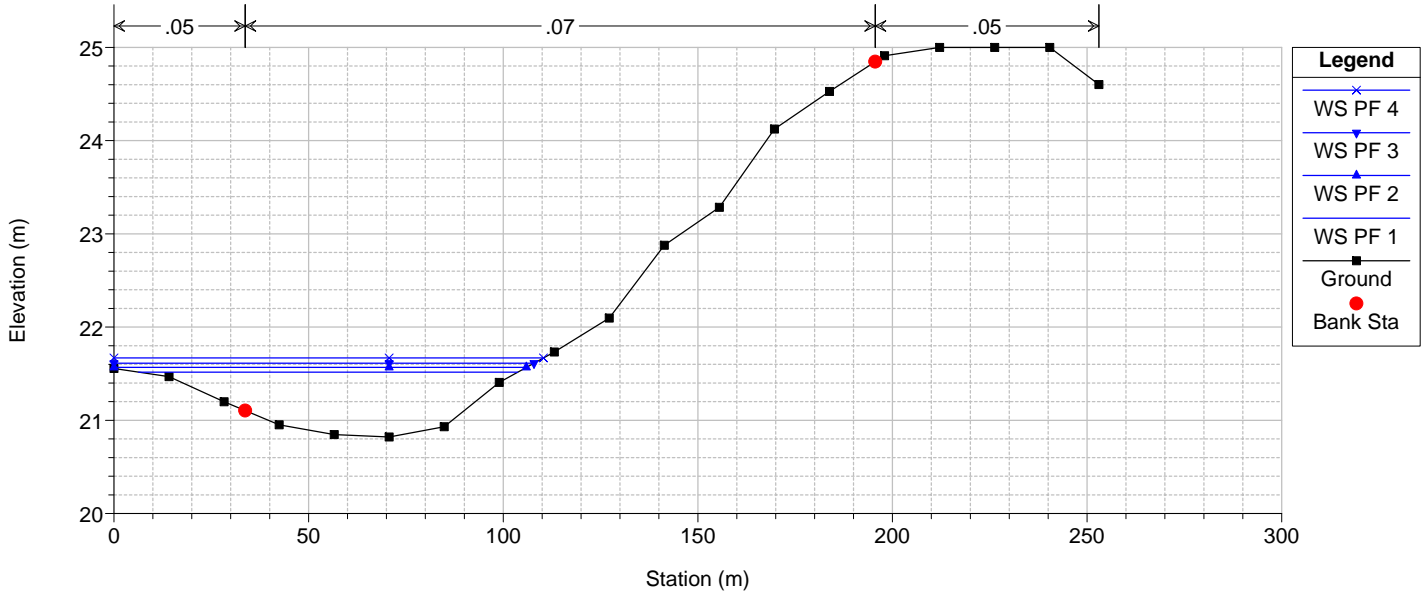
River = paggiassu_asta Reach = paggiassu_asta RS = 444.52 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

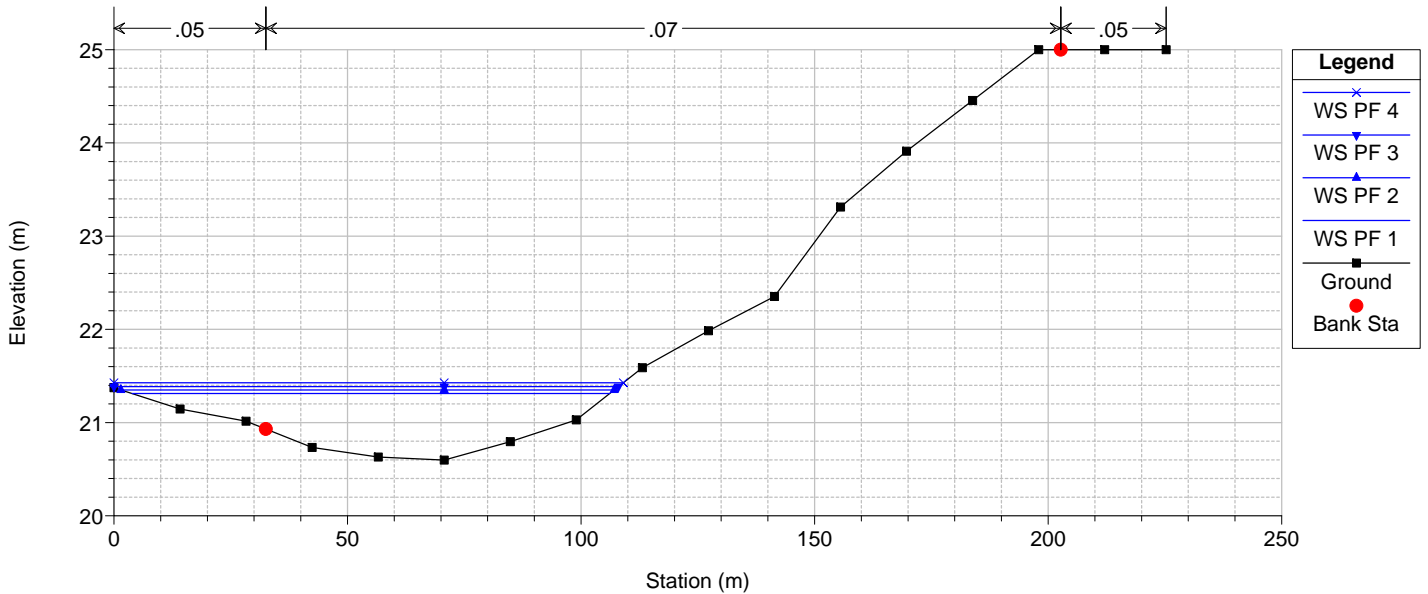
River = paggiassu_asta Reach = paggiassu_asta RS = 430.93 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

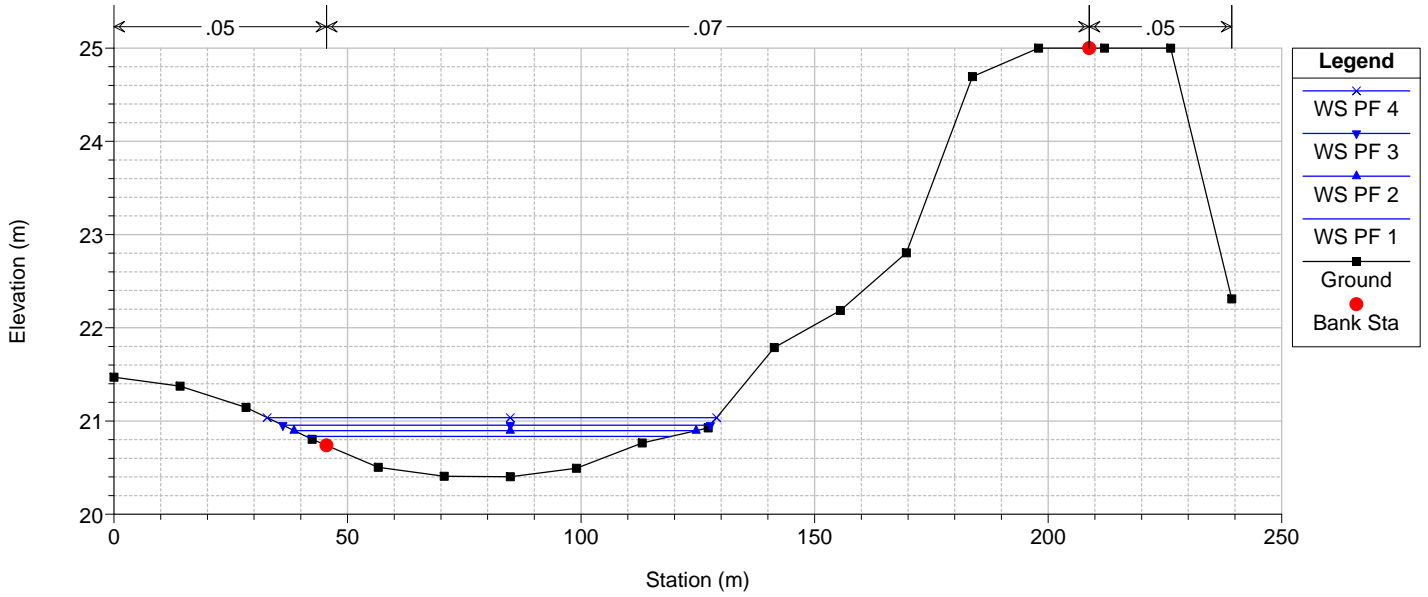
River = paggiassu_asta Reach = paggiassu_asta RS = 409.13 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

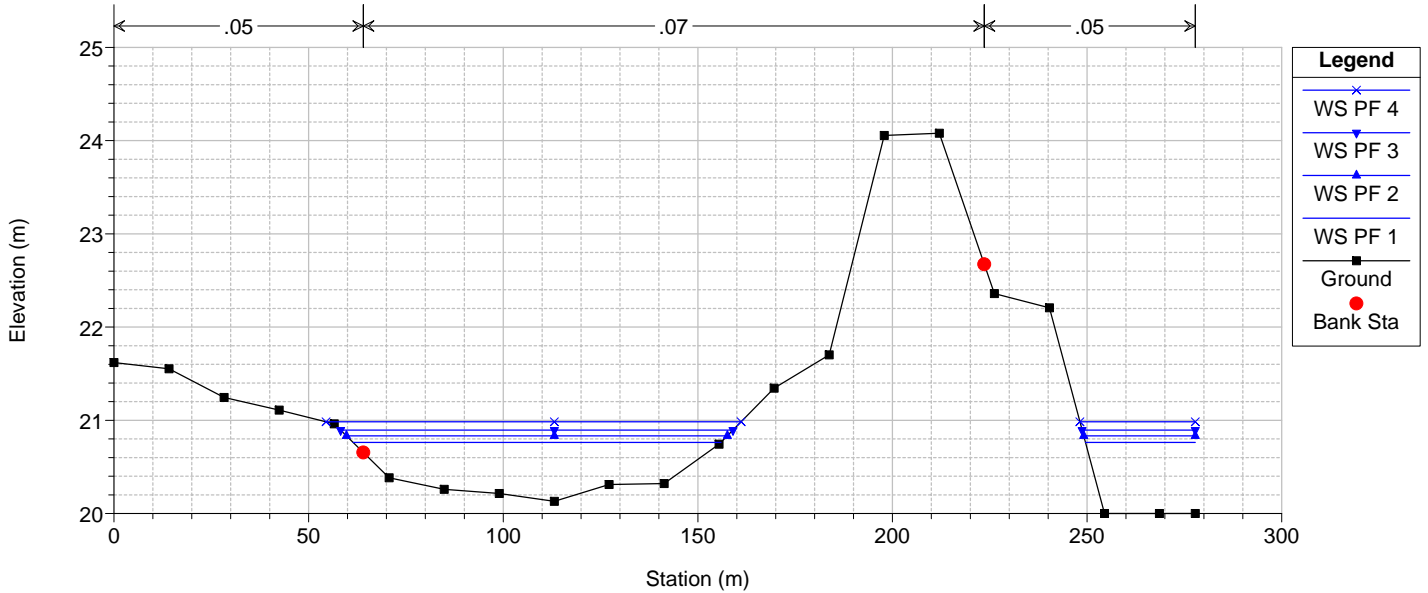
River = paggiassu_asta Reach = paggiassu_asta RS = 390.67 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

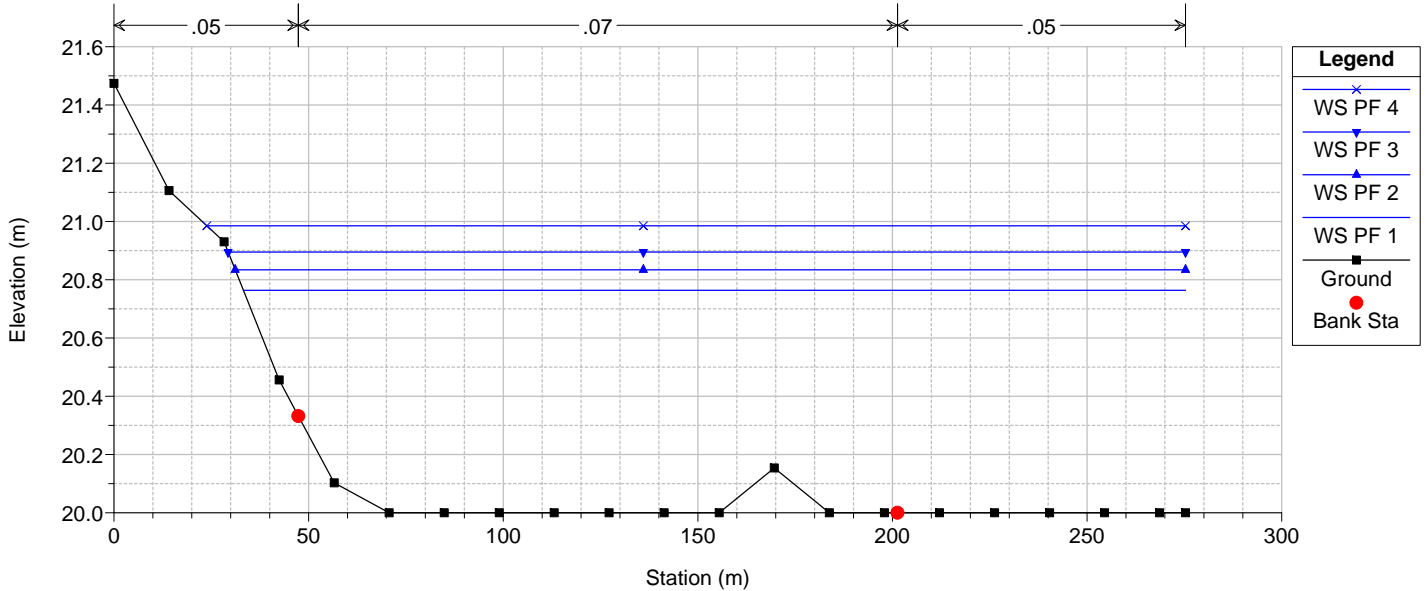
River = paggiassu_asta Reach = paggiassu_asta RS = 375.61 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

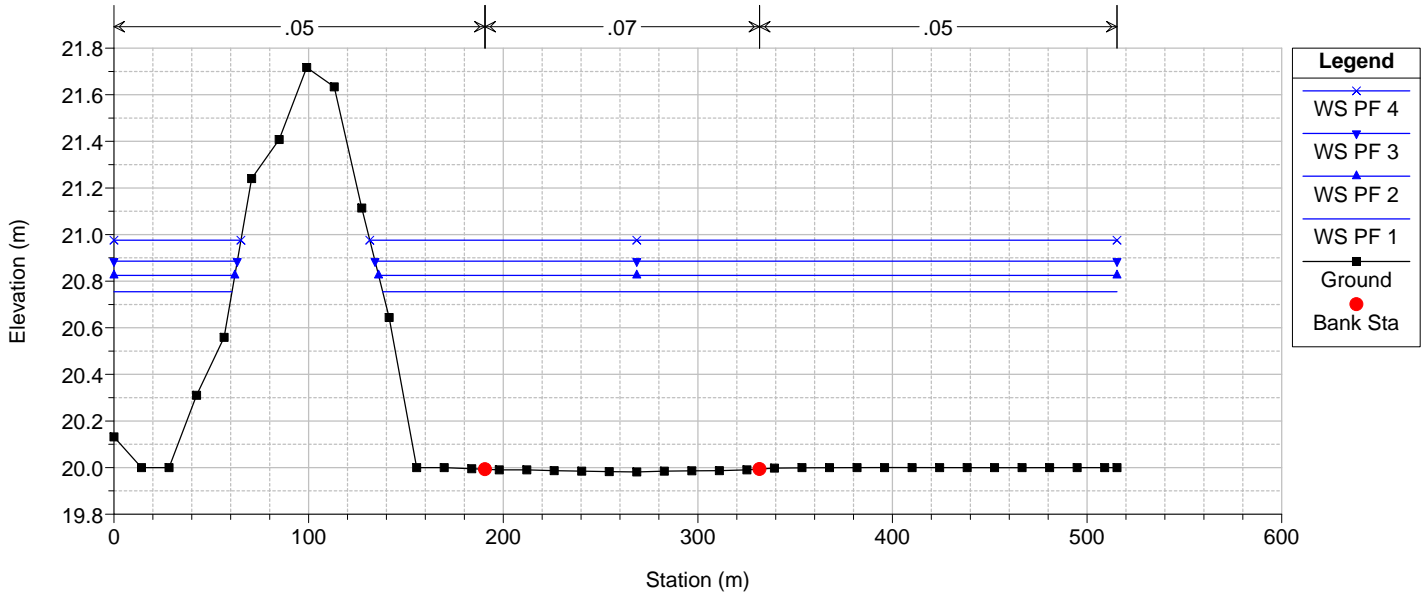
River = paggiassu_asta Reach = paggiassu_asta RS = 353.95 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

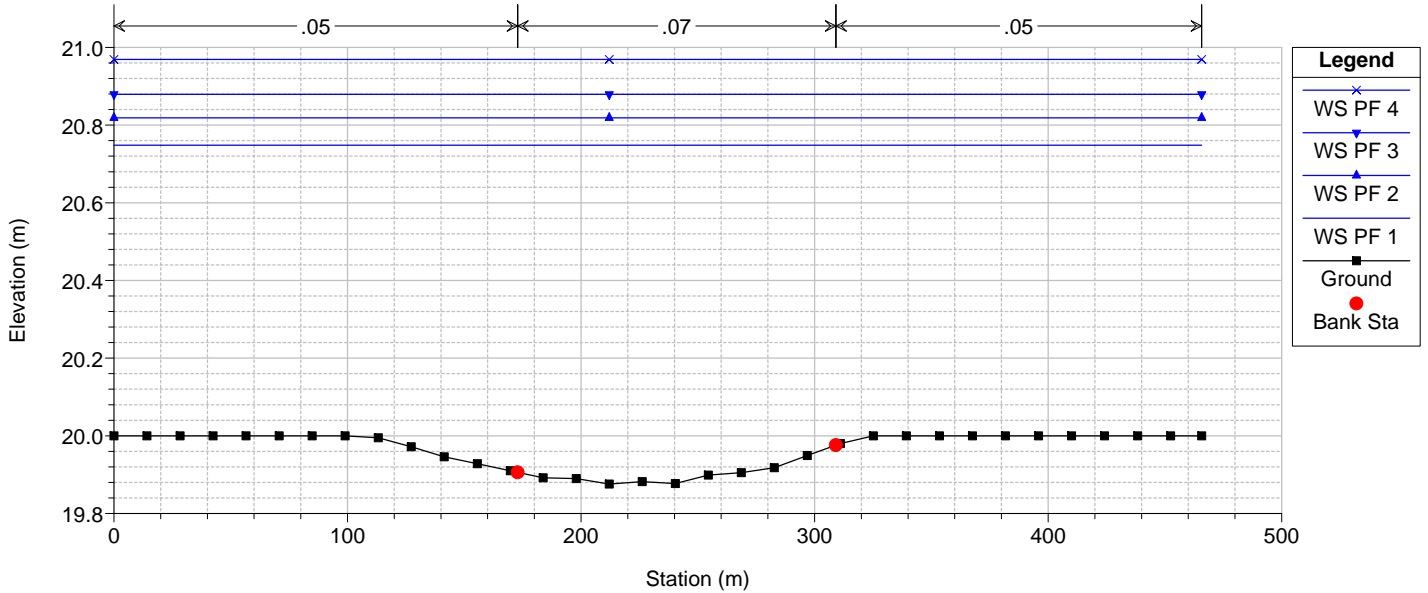
River = paggiassu_asta Reach = paggiassu_asta RS = 273.21 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

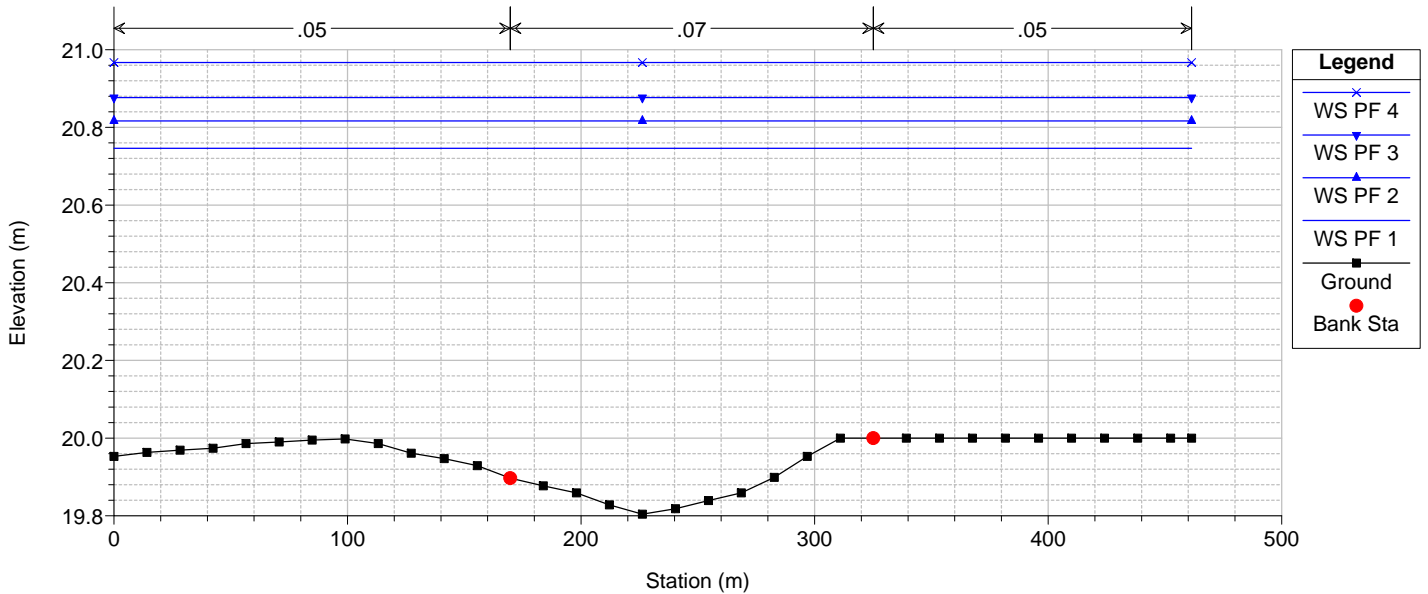
River = paggiassu_asta Reach = paggiassu_asta RS = 162.64 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

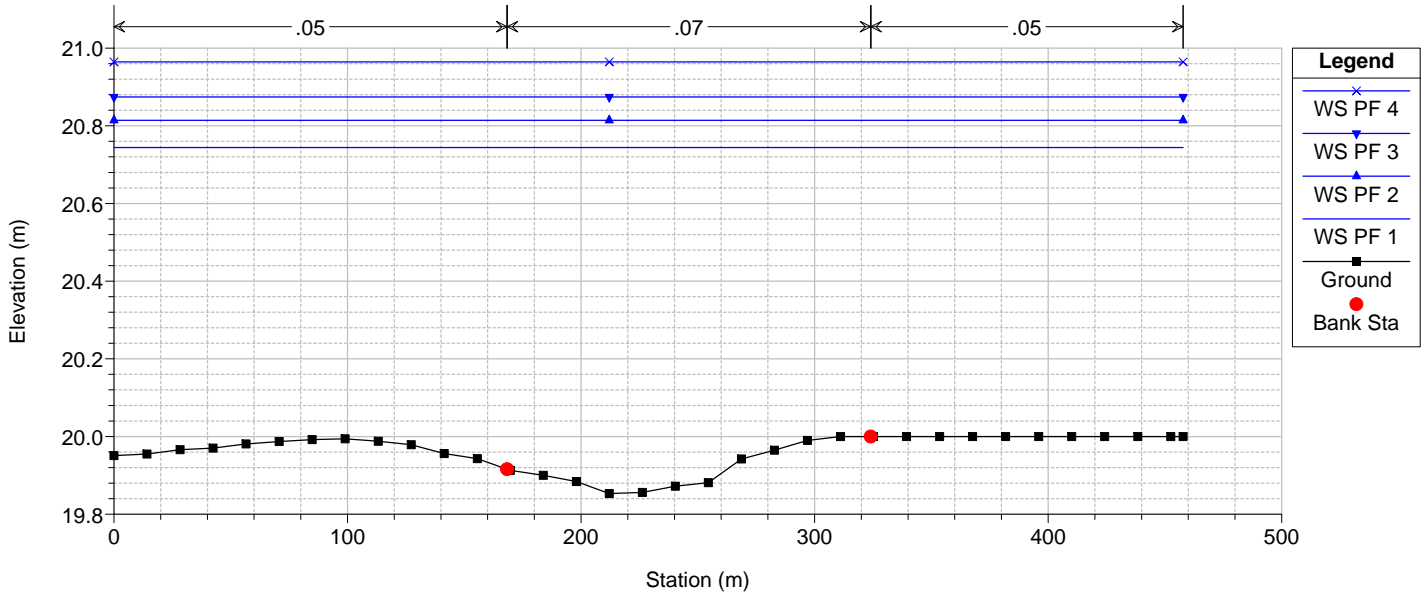
River = paggiassu_asta Reach = paggiassu_asta RS = 121.70 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

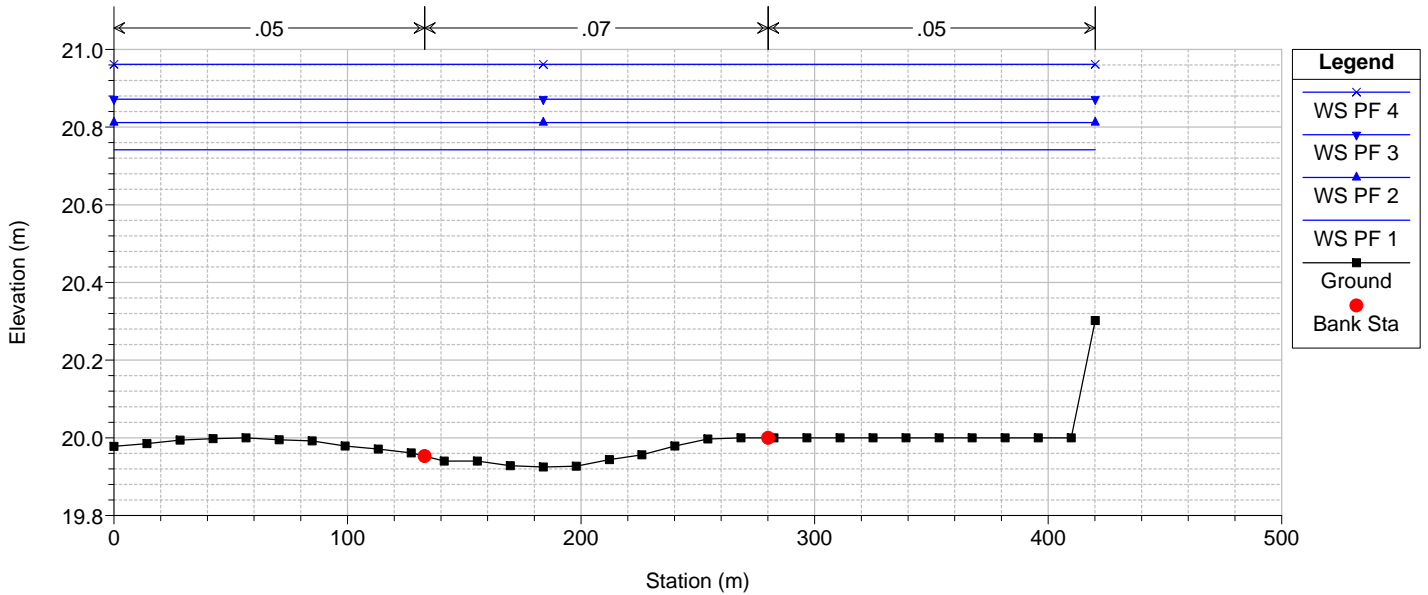
River = paggiassu_asta Reach = paggiassu_asta RS = 77.55 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

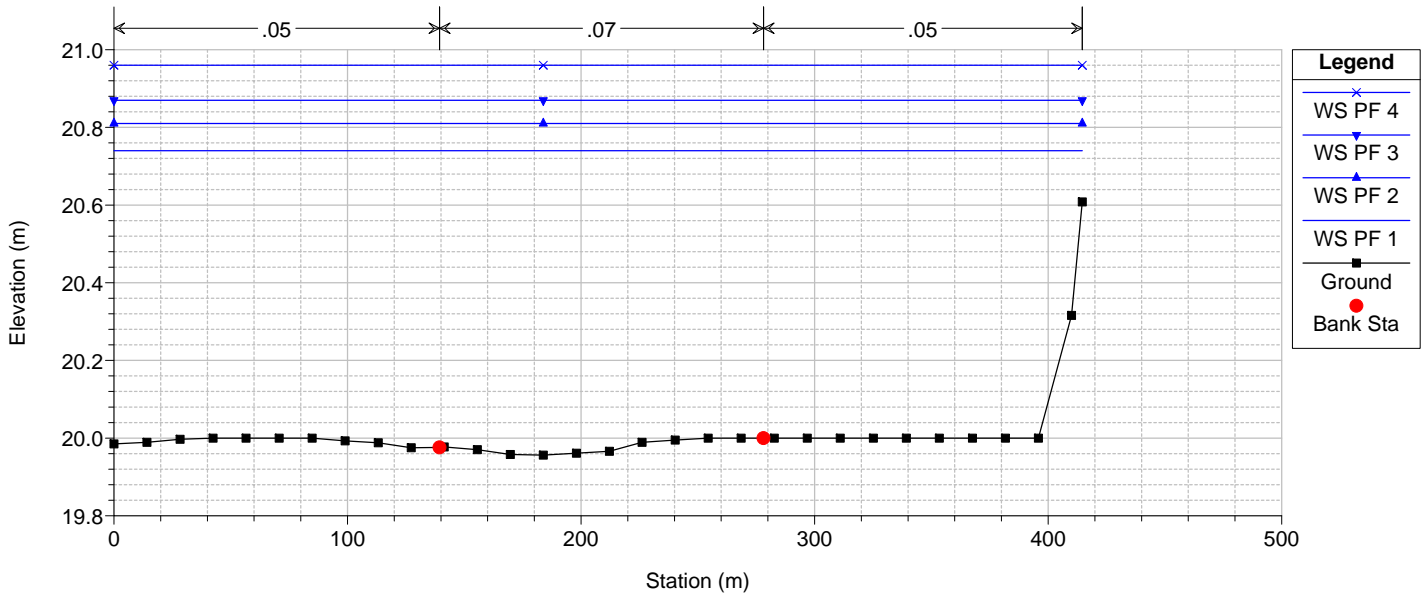
River = paggiassu_asta Reach = paggiassu_asta RS = 36.24 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



paggiassu Plan: Plan 04 10/25/2017

Geom: paggiassu4 Flow: paggiassu

River = paggiassu_asta Reach = paggiassu_asta RS = 13.44 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



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
paggiassu_asta	2959.04	PF 1	38.39	52.63	53.35	53.35	53.57	0.065581	2.05	18.69	44.42	1.01
paggiassu_asta	2959.04	PF 2	45.35	52.63	53.41	53.41	53.64	0.064064	2.12	21.39	47.59	1.01
paggiassu_asta	2959.04	PF 3	52.41	52.63	53.47	53.47	53.71	0.062864	2.18	24.02	50.51	1.01
paggiassu_asta	2959.04	PF 4	61.99	52.63	53.54	53.54	53.79	0.060098	2.24	27.73	54.35	1.00
paggiassu_asta	2840.34	PF 1	38.39	50.00	51.34	50.63	51.37	0.003037	0.78	49.46	50.39	0.25
paggiassu_asta	2840.34	PF 2	45.35	50.00	51.44	50.69	51.48	0.003170	0.83	54.46	51.54	0.26
paggiassu_asta	2840.34	PF 3	52.41	50.00	51.53	50.75	51.57	0.003290	0.88	59.24	52.62	0.27
paggiassu_asta	2840.34	PF 4	61.99	50.00	51.65	50.82	51.69	0.003434	0.95	65.34	53.96	0.28
paggiassu_asta	2728.66	PF 1	38.39	50.00	50.74		50.81	0.010052	1.11	34.68	50.92	0.43
paggiassu_asta	2728.66	PF 2	45.35	50.00	50.79		50.87	0.011140	1.21	37.34	51.52	0.46
paggiassu_asta	2728.66	PF 3	52.41	50.00	50.84		50.93	0.012183	1.32	39.82	52.06	0.48
paggiassu_asta	2728.66	PF 4	61.99	50.00	50.90		51.01	0.013524	1.44	42.90	52.74	0.51
paggiassu_asta	2619.36	PF 1	38.39	50.00	50.54		50.54	0.000942	0.29	124.44	244.63	0.13
paggiassu_asta	2619.36	PF 2	45.35	50.00	50.59		50.59	0.000964	0.31	136.65	245.35	0.13
paggiassu_asta	2619.36	PF 3	52.41	50.00	50.64		50.64	0.000984	0.33	148.23	246.03	0.13
paggiassu_asta	2619.36	PF 4	61.99	50.00	50.70		50.70	0.001008	0.35	162.89	246.88	0.14
paggiassu_asta	2505.82	PF 1	38.39	49.61	50.05	50.05	50.18	0.080037	1.56	24.53	101.82	1.02
paggiassu_asta	2505.82	PF 2	45.35	49.61	50.08	50.08	50.22	0.077151	1.64	27.57	103.27	1.02
paggiassu_asta	2505.82	PF 3	52.41	49.61	50.11	50.11	50.26	0.074716	1.72	30.53	104.67	1.01
paggiassu_asta	2505.82	PF 4	61.99	49.61	50.15	50.15	50.31	0.072074	1.80	34.36	106.45	1.01
paggiassu_asta	2398.16	PF 1	38.39	44.63	47.02	45.38	47.03	0.000474	0.43	89.68	55.20	0.11
paggiassu_asta	2398.16	PF 2	45.35	44.63	47.13	45.45	47.14	0.000552	0.48	95.42	56.32	0.12
paggiassu_asta	2398.16	PF 3	52.41	44.63	47.22	45.52	47.23	0.000630	0.52	100.81	57.35	0.13
paggiassu_asta	2398.16	PF 4	61.99	44.63	47.34	45.60	47.36	0.000726	0.58	107.80	58.66	0.14
paggiassu_asta	2343.24	PF 1	38.39	45.46	46.77	46.61	46.94	0.028588	1.78	21.62	34.12	0.71
paggiassu_asta	2343.24	PF 2	45.35	45.46	46.85	46.69	47.03	0.028893	1.88	24.11	35.16	0.73
paggiassu_asta	2343.24	PF 3	52.41	45.46	46.91	46.76	47.11	0.029977	2.00	26.26	36.04	0.75
paggiassu_asta	2343.24	PF 4	61.99	45.46	46.99	46.84	47.22	0.030802	2.12	29.18	37.19	0.77
paggiassu_asta	2299.10	PF 1	38.39	44.06	44.90	44.90	45.14	0.061427	2.18	17.59	36.29	1.00
paggiassu_asta	2299.10	PF 2	45.35	44.06	44.96	44.96	45.23	0.061004	2.29	19.78	37.69	1.01
paggiassu_asta	2299.10	PF 3	52.41	44.06	45.02	45.02	45.31	0.058284	2.36	22.21	39.19	1.00
paggiassu_asta	2299.10	PF 4	61.99	44.06	45.10	45.10	45.41	0.056728	2.46	25.21	40.96	1.00
paggiassu_asta	2255.57	PF 1	38.39	40.00	42.03	41.27	42.09	0.005339	1.12	34.30	30.48	0.34
paggiassu_asta	2255.57	PF 2	45.35	40.00	42.15	41.37	42.22	0.005622	1.19	38.02	31.92	0.35
paggiassu_asta	2255.57	PF 3	52.41	40.00	42.26	41.45	42.34	0.005900	1.26	41.53	33.22	0.36
paggiassu_asta	2255.57	PF 4	61.99	40.00	42.39	41.56	42.48	0.006229	1.35	46.06	34.82	0.37
paggiassu_asta	2219.92	PF 1	38.39	40.00	41.73		41.82	0.011120	1.36	28.22	32.70	0.47
paggiassu_asta	2219.92	PF 2	45.35	40.00	41.84		41.94	0.011051	1.42	32.03	34.78	0.47
paggiassu_asta	2219.92	PF 3	52.41	40.00	41.94		42.05	0.010947	1.47	35.66	36.34	0.47
paggiassu_asta	2219.92	PF 4	61.99	40.00	42.07		42.19	0.010846	1.54	40.38	38.27	0.48
paggiassu_asta	2087.71	PF 1	38.39	40.00	41.26		41.28	0.001977	0.63	60.48	60.39	0.20
paggiassu_asta	2087.71	PF 2	45.35	40.00	41.36		41.38	0.002084	0.68	66.40	61.76	0.21
paggiassu_asta	2087.71	PF 3	52.41	40.00	41.45		41.48	0.002182	0.73	71.98	62.96	0.22
paggiassu_asta	2087.71	PF 4	61.99	40.00	41.56		41.59	0.002301	0.78	79.10	64.45	0.23
paggiassu_asta	1968.37	PF 1	38.39	39.89	40.38	40.38	40.58	0.066331	2.00	19.23	48.04	1.01
paggiassu_asta	1968.37	PF 2	45.35	39.89	40.43	40.43	40.65	0.063981	2.10	21.61	48.77	1.01
paggiassu_asta	1968.37	PF 3	52.41	39.89	40.47	40.47	40.72	0.062289	2.19	23.90	49.46	1.01
paggiassu_asta	1968.37	PF 4	61.99	39.89	40.53	40.53	40.80	0.060223	2.31	26.89	50.36	1.01
paggiassu_asta	1902.62	PF 1	38.39	35.33	36.76	36.40	36.86	0.012849	1.43	26.94	32.48	0.50
paggiassu_asta	1902.62	PF 2	45.35	35.33	36.86	36.48	36.97	0.012748	1.50	30.20	33.44	0.50
paggiassu_asta	1902.62	PF 3	52.41	35.33	36.95	36.55	37.08	0.012728	1.57	33.31	34.33	0.51
paggiassu_asta	1902.62	PF 4	61.99	35.33	37.06	36.64	37.20	0.012749	1.66	37.30	35.44	0.52
paggiassu_asta	1794.46	PF 1	38.39	35.00	36.10		36.13	0.003959	0.79	48.68	59.12	0.28
paggiassu_asta	1794.46	PF 2	45.35	35.00	36.17		36.21	0.004250	0.86	52.98	60.01	0.29
paggiassu_asta	1794.46	PF 3	52.41	35.00	36.24		36.28	0.004509	0.92	57.09	60.84	0.30
paggiassu_asta	1794.46	PF 4	61.99	35.00	36.32		36.38	0.004847	1.00	62.20	61.87	0.32
paggiassu_asta	1660.02	PF 1	38.39	35.00	35.45		35.47	0.006195	0.65	58.80	132.83	0.31
paggiassu_asta	1660.02	PF 2	45.35	35.00	35.50		35.52	0.006174	0.70	65.17	133.42	0.32
paggiassu_asta	1660.02	PF 3	52.41	35.00	35.54		35.57	0.006275	0.74	70.85	133.94	0.32
paggiassu_asta	1660.02	PF 4	61.99	35.00	35.60		35.63	0.006305	0.79	78.40	134.63	0.33
paggiassu_asta	1596.21	PF 1	38.39	33.73	34.36	34.36	34.51	0.072575	1.71	22.50	76.20	1.00
paggiassu_asta	1596.21	PF 2	45.35	33.73	34.40	34.40	34.56	0.072917	1.81	25.04	77.82	1.02
paggiassu_asta	1596.21	PF 3	52.41	33.73	34.44	34.44	34.61	0.068448	1.86	28.11	79.73	1.00
paggiassu_asta	1596.21	PF 4	61.99	33.73	34.48	34.48	34.68	0.066262	1.95	31.73	81.94	1.00
paggiassu_asta	1529.72	PF 1	38.39	30.00	31.45	30.79	31.51	0.005527	1.07	35.85	35.17	0.34
paggiassu_asta	1529.72	PF 2	45.35	30.00	31.55	30.87	31.62	0.005814	1.15	39.51	36.28	0.35

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
paggiassu_asta	1529.72	PF 3	52.41	30.00	31.65	30.94	31.73	0.006075	1.22	43.01	37.30	0.36
paggiassu_asta	1529.72	PF 4	61.99	30.00	31.77	31.03	31.85	0.006395	1.31	47.48	38.57	0.38
paggiassu_asta	1456.82	PF 1	38.39	30.00	31.11		31.15	0.004304	0.86	44.42	50.01	0.29
paggiassu_asta	1456.82	PF 2	45.35	30.00	31.20		31.24	0.004531	0.93	48.75	51.08	0.30
paggiassu_asta	1456.82	PF 3	52.41	30.00	31.28		31.33	0.004739	0.99	52.88	52.09	0.31
paggiassu_asta	1456.82	PF 4	61.99	30.00	31.38		31.43	0.005000	1.07	58.10	53.33	0.33
paggiassu_asta	1380.19	PF 1	38.39	30.00	30.93		30.94	0.001723	0.53	71.81	83.65	0.18
paggiassu_asta	1380.19	PF 2	45.35	30.00	31.01		31.02	0.001842	0.58	78.18	84.71	0.19
paggiassu_asta	1380.19	PF 3	52.41	30.00	31.08		31.10	0.001948	0.62	84.25	85.70	0.20
paggiassu_asta	1380.19	PF 4	61.99	30.00	31.17		31.19	0.002083	0.67	91.84	86.92	0.21
paggiassu_asta	1310.50	PF 1	38.39	30.00	30.80		30.82	0.001946	0.52	74.39	100.32	0.19
paggiassu_asta	1310.50	PF 2	45.35	30.00	30.87		30.89	0.002061	0.56	81.23	101.63	0.20
paggiassu_asta	1310.50	PF 3	52.41	30.00	30.94		30.95	0.002159	0.60	87.81	102.87	0.21
paggiassu_asta	1310.50	PF 4	61.99	30.00	31.01		31.04	0.002289	0.65	95.99	104.39	0.21
paggiassu_asta	1229.67	PF 1	38.39	29.87	30.20	30.20	30.34	0.075673	1.62	23.63	88.87	1.01
paggiassu_asta	1229.67	PF 2	45.35	29.87	30.24	30.24	30.39	0.073434	1.72	26.42	89.44	1.01
paggiassu_asta	1229.67	PF 3	52.41	29.87	30.27	30.27	30.43	0.070990	1.80	29.18	90.00	1.01
paggiassu_asta	1229.67	PF 4	61.99	29.87	30.31	30.31	30.49	0.068653	1.90	32.70	90.70	1.01
paggiassu_asta	1089.47	PF 1	38.39	25.00	26.09	25.38	26.10	0.001566	0.52	73.69	83.21	0.18
paggiassu_asta	1089.47	PF 2	45.35	25.00	26.17	25.42	26.18	0.001691	0.56	80.32	85.15	0.19
paggiassu_asta	1089.47	PF 3	52.41	25.00	26.24	25.46	26.26	0.001809	0.61	86.58	86.95	0.19
paggiassu_asta	1089.47	PF 4	61.99	25.00	26.33	25.51	26.35	0.001953	0.66	94.52	89.17	0.20
paggiassu_asta	963.10	PF 1	38.39	25.00	25.82		25.84	0.002957	0.57	67.34	107.04	0.23
paggiassu_asta	963.10	PF 2	45.35	25.00	25.88		25.90	0.003126	0.61	73.84	109.45	0.24
paggiassu_asta	963.10	PF 3	52.41	25.00	25.93		25.96	0.003305	0.66	79.83	111.62	0.25
paggiassu_asta	963.10	PF 4	61.99	25.00	26.00		26.03	0.003520	0.71	87.47	114.33	0.26
paggiassu_asta	863.14	PF 1	38.39	25.00	25.55		25.56	0.002553	0.46	84.06	178.74	0.21
paggiassu_asta	863.14	PF 2	45.35	25.00	25.59		25.60	0.002728	0.50	91.45	181.41	0.22
paggiassu_asta	863.14	PF 3	52.41	25.00	25.62		25.64	0.002924	0.54	98.05	183.75	0.23
paggiassu_asta	863.14	PF 4	61.99	25.00	25.67		25.69	0.003134	0.59	106.70	186.78	0.24
paggiassu_asta	752.63	PF 1	38.39	24.64	25.10		25.12	0.007144	0.54	73.63	316.15	0.32
paggiassu_asta	752.63	PF 2	45.35	24.64	25.13		25.15	0.006856	0.56	83.49	328.05	0.31
paggiassu_asta	752.63	PF 3	52.41	24.64	25.17		25.18	0.006391	0.57	94.15	339.50	0.31
paggiassu_asta	752.63	PF 4	61.99	24.64	25.20		25.22	0.006280	0.60	105.61	351.48	0.31
paggiassu_asta	734.91	PF 1	38.39	24.51	24.96		24.97	0.009005	0.62	63.19	233.11	0.36
paggiassu_asta	734.91	PF 2	45.35	24.51	24.99		25.01	0.008911	0.65	71.19	248.51	0.36
paggiassu_asta	734.91	PF 3	52.41	24.51	25.02		25.05	0.009092	0.67	81.14	298.12	0.36
paggiassu_asta	734.91	PF 4	61.99	24.51	25.06		25.09	0.008550	0.70	92.74	302.82	0.36
paggiassu_asta	718.16	PF 1	38.39	24.34	24.80		24.82	0.009792	0.65	59.75	208.01	0.37
paggiassu_asta	718.16	PF 2	45.35	24.34	24.83		24.85	0.009808	0.69	66.99	215.90	0.38
paggiassu_asta	718.16	PF 3	52.41	24.34	24.86		24.89	0.009693	0.72	74.33	223.62	0.38
paggiassu_asta	718.16	PF 4	61.99	24.34	24.91		24.94	0.009512	0.75	84.55	243.61	0.38
paggiassu_asta	676.93	PF 1	38.39	23.92	24.43		24.45	0.007995	0.63	61.26	192.17	0.34
paggiassu_asta	676.93	PF 2	45.35	23.92	24.47		24.49	0.007969	0.67	68.54	198.87	0.35
paggiassu_asta	676.93	PF 3	52.41	23.92	24.51		24.53	0.007937	0.70	75.62	205.17	0.35
paggiassu_asta	676.93	PF 4	61.99	23.92	24.55		24.57	0.008098	0.75	84.16	214.44	0.36
paggiassu_asta	566.65	PF 1	38.39	22.54	23.07	22.95	23.12	0.020073	1.00	39.36	129.57	0.54
paggiassu_asta	566.65	PF 2	45.35	22.54	23.11		23.16	0.020045	1.05	44.75	161.76	0.55
paggiassu_asta	566.65	PF 3	52.41	22.54	23.14		23.20	0.020172	1.10	50.50	198.84	0.56
paggiassu_asta	566.65	PF 4	61.99	22.54	23.18		23.24	0.019289	1.13	59.15	212.55	0.55
paggiassu_asta	532.44	PF 1	38.39	22.04	22.47		22.51	0.014782	0.90	43.33	131.38	0.47
paggiassu_asta	532.44	PF 2	45.35	22.04	22.52		22.56	0.014630	0.95	49.24	145.92	0.48
paggiassu_asta	532.44	PF 3	52.41	22.04	22.56		22.60	0.014254	0.99	55.11	156.48	0.48
paggiassu_asta	532.44	PF 4	61.99	22.04	22.61		22.66	0.013945	1.05	63.89	189.99	0.48
paggiassu_asta	510.26	PF 1	38.39	21.49	22.30		22.32	0.005781	0.70	58.68	157.61	0.31
paggiassu_asta	510.26	PF 2	45.35	21.49	22.34		22.37	0.005818	0.73	65.94	163.17	0.31
paggiassu_asta	510.26	PF 3	52.41	21.49	22.39		22.41	0.005853	0.76	72.91	168.40	0.32
paggiassu_asta	510.26	PF 4	61.99	21.49	22.44		22.47	0.005692	0.79	82.76	174.51	0.32
paggiassu_asta	485.70	PF 1	38.39	21.48	22.11		22.15	0.010429	0.87	45.44	116.09	0.41
paggiassu_asta	485.70	PF 2	45.35	21.48	22.15		22.20	0.010463	0.92	50.89	120.45	0.41
paggiassu_asta	485.70	PF 3	52.41	21.48	22.19		22.24	0.010710	0.96	55.77	124.22	0.42
paggiassu_asta	485.70	PF 4	61.99	21.48	22.25		22.30	0.011385	1.04	62.68	145.44	0.44
paggiassu_asta	466.48	PF 1	38.39	21.17	21.88		21.93	0.013105	0.97	41.07	113.43	0.46
paggiassu_asta	466.48	PF 2	45.35	21.17	21.93		21.98	0.012944	1.02	46.77	127.43	0.46
paggiassu_asta	466.48	PF 3	52.41	21.17	21.97		22.02	0.012620	1.06	52.57	135.81	0.46
paggiassu_asta	466.48	PF 4	61.99	21.17	22.02		22.08	0.012075	1.09	59.90	137.09	0.46

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
paggiassu_asta	444.52	PF 1	38.39	20.99	21.65		21.69	0.009263	0.87	45.02	102.79	0.39
paggiassu_asta	444.52	PF 2	45.35	20.99	21.71		21.75	0.009106	0.91	50.31	103.89	0.39
paggiassu_asta	444.52	PF 3	52.41	20.99	21.75		21.80	0.009180	0.95	54.99	104.86	0.40
paggiassu_asta	444.52	PF 4	61.99	20.99	21.81		21.86	0.009307	1.01	60.87	106.06	0.41
paggiassu_asta	430.93	PF 1	38.39	20.82	21.52		21.56	0.010597	0.96	41.62	97.45	0.42
paggiassu_asta	430.93	PF 2	45.35	20.82	21.57		21.62	0.010887	1.01	46.82	105.94	0.43
paggiassu_asta	430.93	PF 3	52.41	20.82	21.61		21.67	0.011013	1.05	51.64	107.90	0.44
paggiassu_asta	430.93	PF 4	61.99	20.82	21.67		21.73	0.011156	1.10	57.74	110.34	0.45
paggiassu_asta	409.13	PF 1	38.39	20.60	21.31	21.07	21.35	0.009206	0.90	44.44	102.26	0.39
paggiassu_asta	409.13	PF 2	45.35	20.60	21.35	21.11	21.40	0.010007	0.97	48.46	105.63	0.41
paggiassu_asta	409.13	PF 3	52.41	20.60	21.39	21.15	21.44	0.010737	1.04	52.23	108.00	0.43
paggiassu_asta	409.13	PF 4	61.99	20.60	21.43		21.49	0.011677	1.12	56.75	109.05	0.46
paggiassu_asta	390.67	PF 1	38.39	20.40	20.83	20.83	20.98	0.070039	1.71	22.60	78.04	0.99
paggiassu_asta	390.67	PF 2	45.35	20.40	20.90	20.87	21.03	0.055540	1.65	27.74	86.10	0.90
paggiassu_asta	390.67	PF 3	52.41	20.40	20.95	20.91	21.09	0.044980	1.61	32.93	91.54	0.83
paggiassu_asta	390.67	PF 4	61.99	20.40	21.04		21.16	0.033158	1.55	40.52	96.21	0.73
paggiassu_asta	375.61	PF 1	38.39	20.13	20.76	20.49	20.79	0.003548	0.50	60.72	122.75	0.24
paggiassu_asta	375.61	PF 2	45.35	20.13	20.83		20.86	0.003343	0.53	69.47	126.56	0.24
paggiassu_asta	375.61	PF 3	52.41	20.13	20.89		20.92	0.003275	0.56	77.26	129.86	0.24
paggiassu_asta	375.61	PF 4	61.99	20.13	20.98		21.01	0.003030	0.58	89.11	136.26	0.23
paggiassu_asta	353.95	PF 1	38.39	20.00	20.76		20.77	0.000287	0.20	172.34	242.03	0.07
paggiassu_asta	353.95	PF 2	45.35	20.00	20.83		20.84	0.000294	0.21	189.49	244.13	0.08
paggiassu_asta	353.95	PF 3	52.41	20.00	20.90		20.90	0.000307	0.23	204.48	245.96	0.08
paggiassu_asta	353.95	PF 4	61.99	20.00	20.99		20.99	0.000309	0.24	226.82	251.44	0.08
paggiassu_asta	273.21	PF 1	38.39	19.98	20.75		20.76	0.000072	0.10	313.52	437.86	0.04
paggiassu_asta	273.21	PF 2	45.35	19.98	20.82		20.83	0.000074	0.11	344.48	441.44	0.04
paggiassu_asta	273.21	PF 3	52.41	19.98	20.89		20.89	0.000078	0.12	371.48	444.54	0.04
paggiassu_asta	273.21	PF 4	61.99	19.98	20.98		20.98	0.000078	0.13	411.79	449.13	0.04
paggiassu_asta	162.64	PF 1	38.39	19.88	20.75		20.75	0.000047	0.09	365.22	465.75	0.03
paggiassu_asta	162.64	PF 2	45.35	19.88	20.82		20.82	0.000049	0.09	397.92	465.75	0.03
paggiassu_asta	162.64	PF 3	52.41	19.88	20.88		20.88	0.000052	0.10	426.14	465.75	0.03
paggiassu_asta	162.64	PF 4	61.99	19.88	20.97		20.97	0.000053	0.11	468.12	465.75	0.03
paggiassu_asta	121.70	PF 1	38.39	19.80	20.75		20.75	0.000046	0.09	368.28	461.43	0.03
paggiassu_asta	121.70	PF 2	45.35	19.80	20.82		20.82	0.000049	0.10	400.63	461.43	0.03
paggiassu_asta	121.70	PF 3	52.41	19.80	20.88		20.88	0.000052	0.10	428.53	461.43	0.03
paggiassu_asta	121.70	PF 4	61.99	19.80	20.97		20.97	0.000053	0.11	470.09	461.43	0.03
paggiassu_asta	77.55	PF 1	38.39	19.85	20.74		20.74	0.000050	0.09	358.41	457.77	0.03
paggiassu_asta	77.55	PF 2	45.35	19.85	20.81		20.81	0.000052	0.10	390.45	457.77	0.03
paggiassu_asta	77.55	PF 3	52.41	19.85	20.87		20.88	0.000056	0.10	418.06	457.77	0.03
paggiassu_asta	77.55	PF 4	61.99	19.85	20.96		20.97	0.000057	0.11	459.26	457.77	0.03
paggiassu_asta	36.24	PF 1	38.39	19.93	20.74		20.74	0.000066	0.10	318.53	420.14	0.04
paggiassu_asta	36.24	PF 2	45.35	19.93	20.81		20.81	0.000069	0.11	347.89	420.14	0.04
paggiassu_asta	36.24	PF 3	52.41	19.93	20.87		20.87	0.000072	0.11	373.16	420.14	0.04
paggiassu_asta	36.24	PF 4	61.99	19.93	20.96		20.96	0.000073	0.12	410.94	420.14	0.04
paggiassu_asta	13.44	PF 1	38.39	19.96	20.74	20.09	20.74	0.000073	0.10	306.64	414.62	0.04
paggiassu_asta	13.44	PF 2	45.35	19.96	20.81	20.10	20.81	0.000075	0.11	335.58	414.62	0.04
paggiassu_asta	13.44	PF 3	52.41	19.96	20.87	20.11	20.87	0.000079	0.12	360.47	414.62	0.04
paggiassu_asta	13.44	PF 4	61.99	19.96	20.96	20.13	20.96	0.000079	0.13	397.75	414.62	0.04

COMUNE DI ALGHERO (SS)

Studio di compatibilità idraulica ai sensi dell'art. 8 comma 2bis delle N.A. del PAI

Area d'indagine: territorio comunale

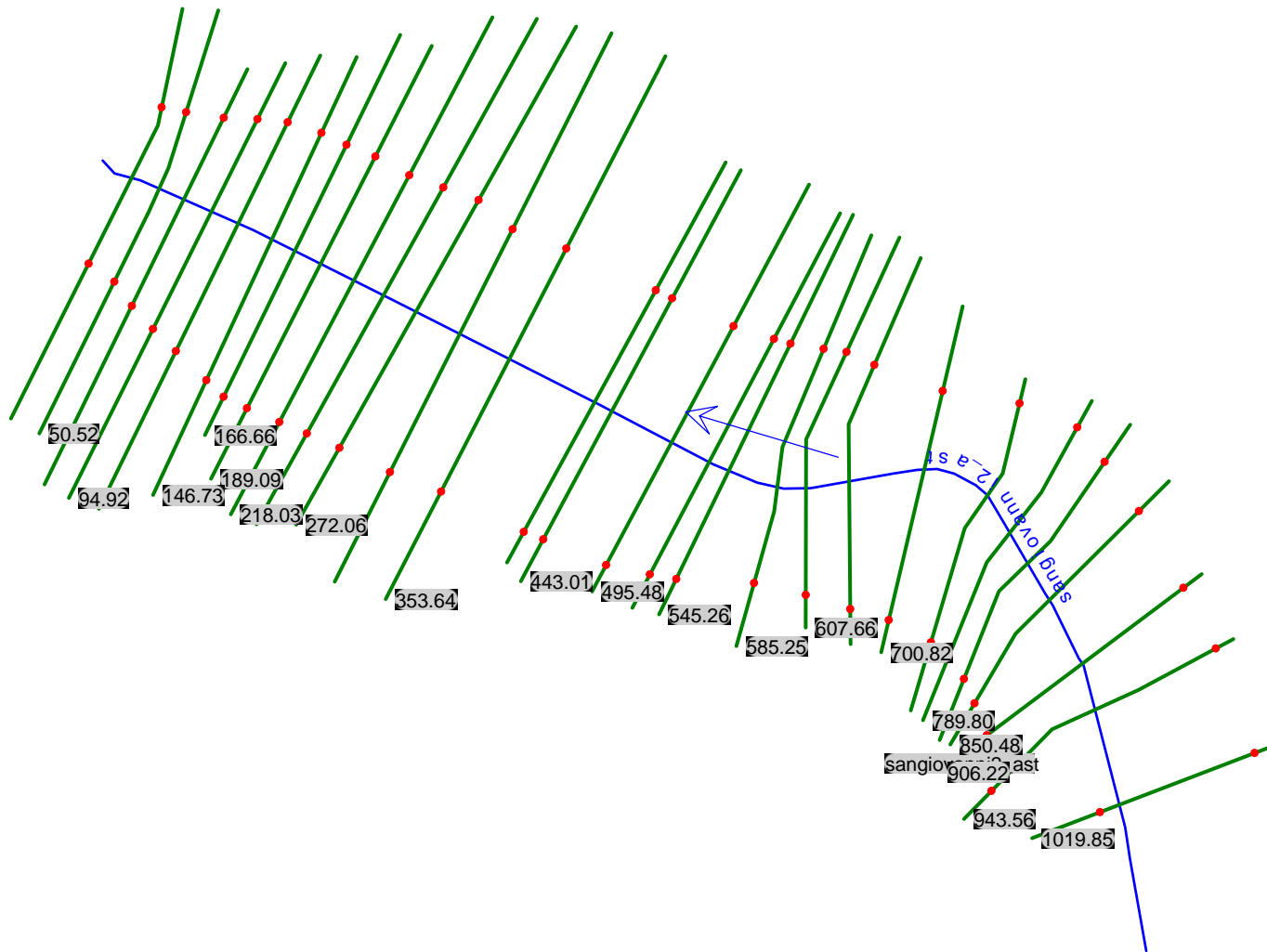
SIMULAZIONI IN MOTO PERMANENTE

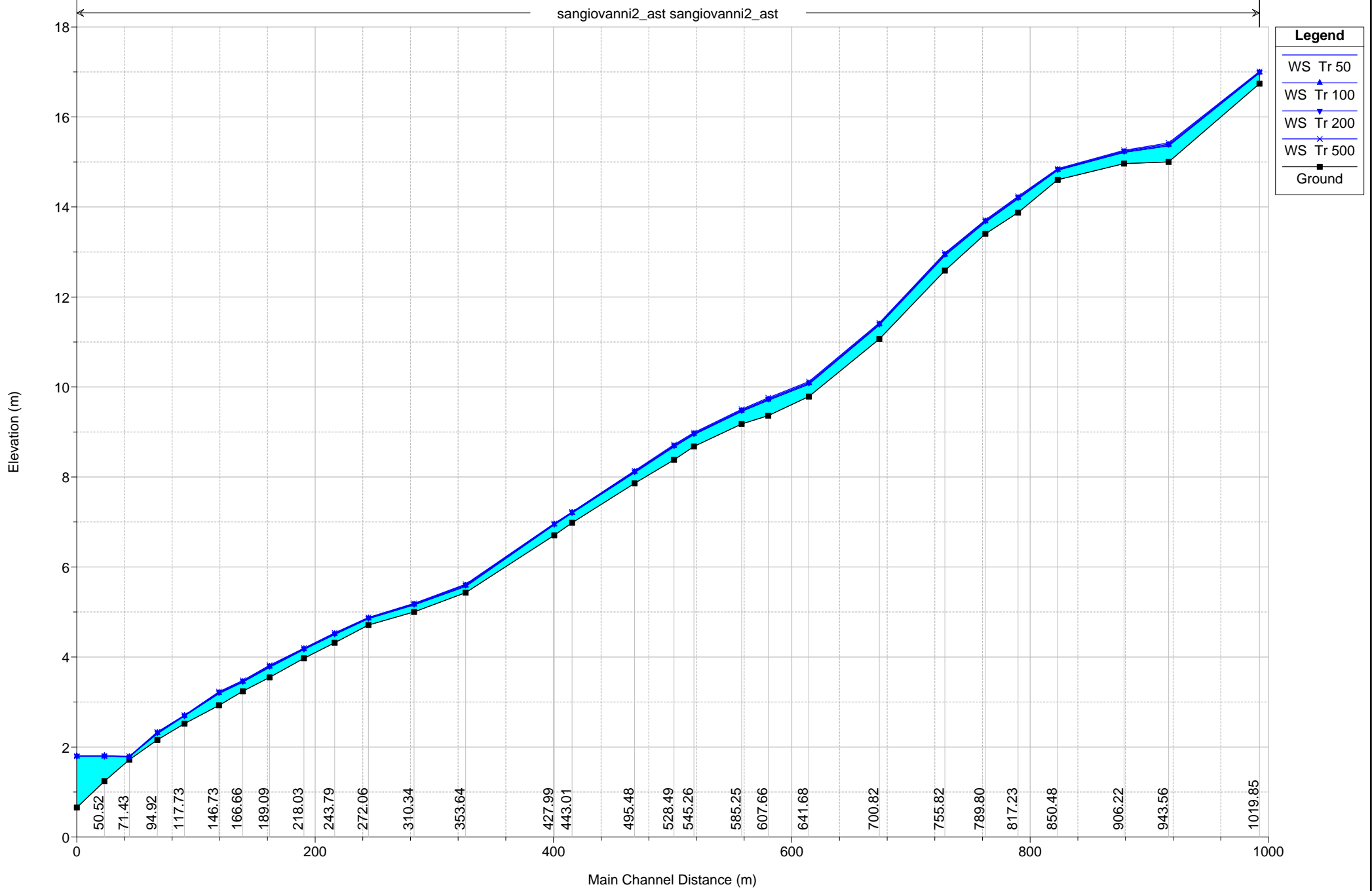
Rio San Giovanni

- Schemi planimetrici
- Profili longitudinali dei tiranti idrici per le portate con tempi di ritorno di 50-100-200-500 anni
- Sezioni trasversali con i tiranti idrici per le portate con tempi di ritorno di 50-100-200-500 anni
- Tabelle numeriche delle grandezze geometriche e idrauliche di input e output

River	Reach	RS	PORTATE mc/s			
			tr 50	tr 100	tr 200	tr 500
sangiovanni2_ast	sangiovanni2	1019.85	2.96	10.91	12.62	14.34

River	Reach	PROFILI	CONDIZIONI AL CONTORNO	
			upstream	downstream
sangiovanni2_ast	sangiovanni2_ast		Normal depth S=0.01	Known WS=1.80 m slm

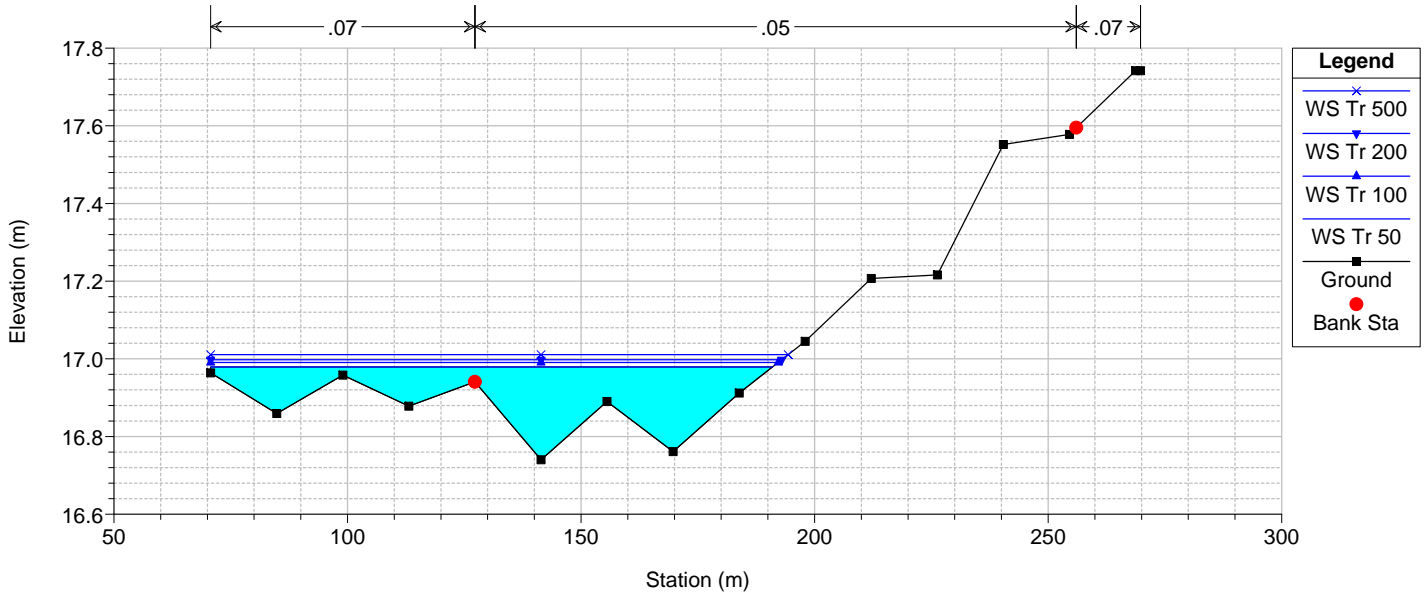




san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

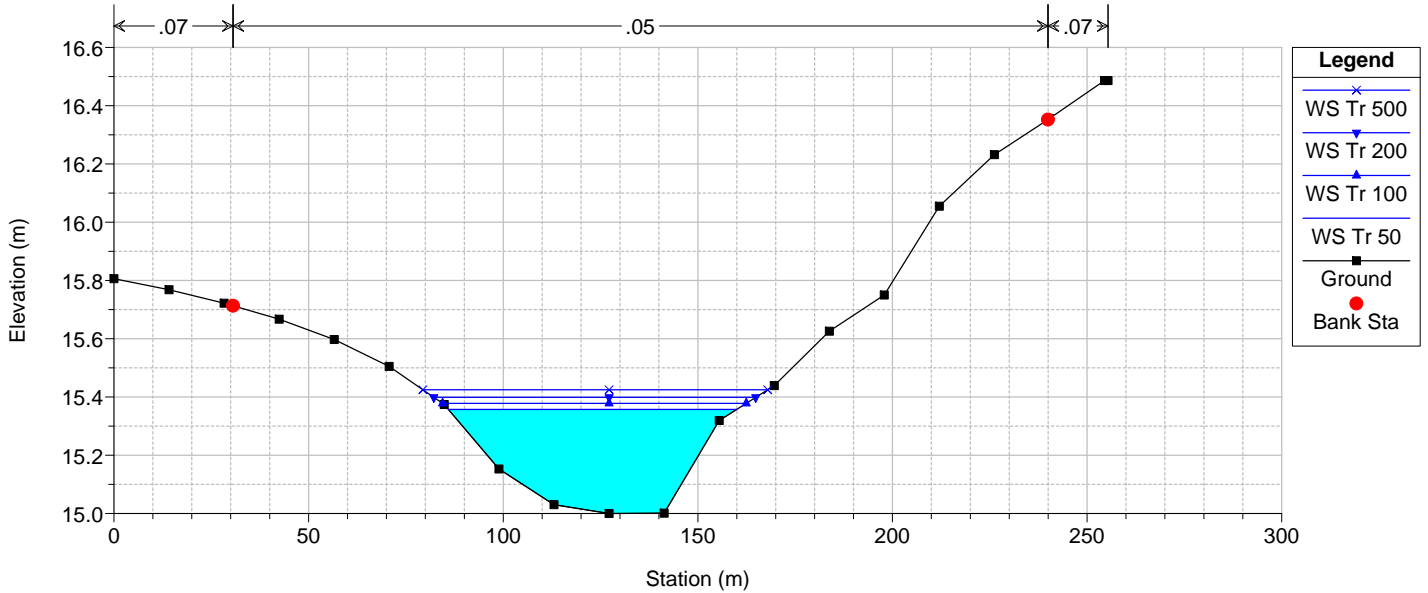
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 1019.85 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

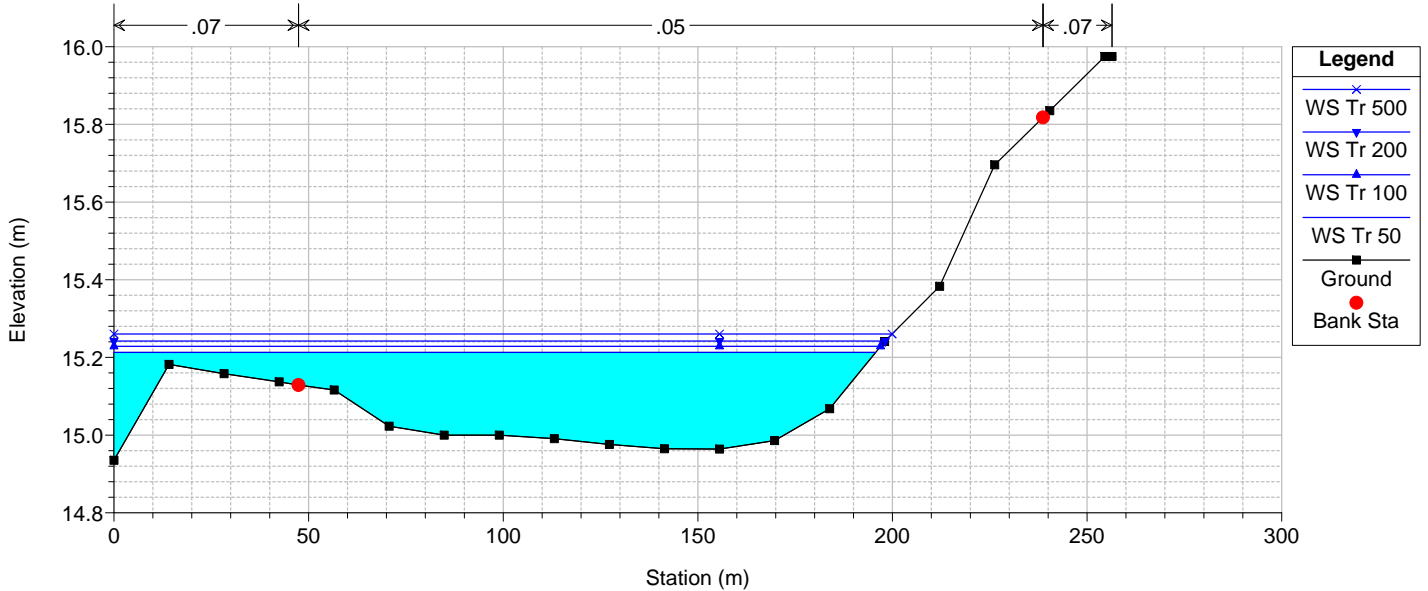
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 943.56 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

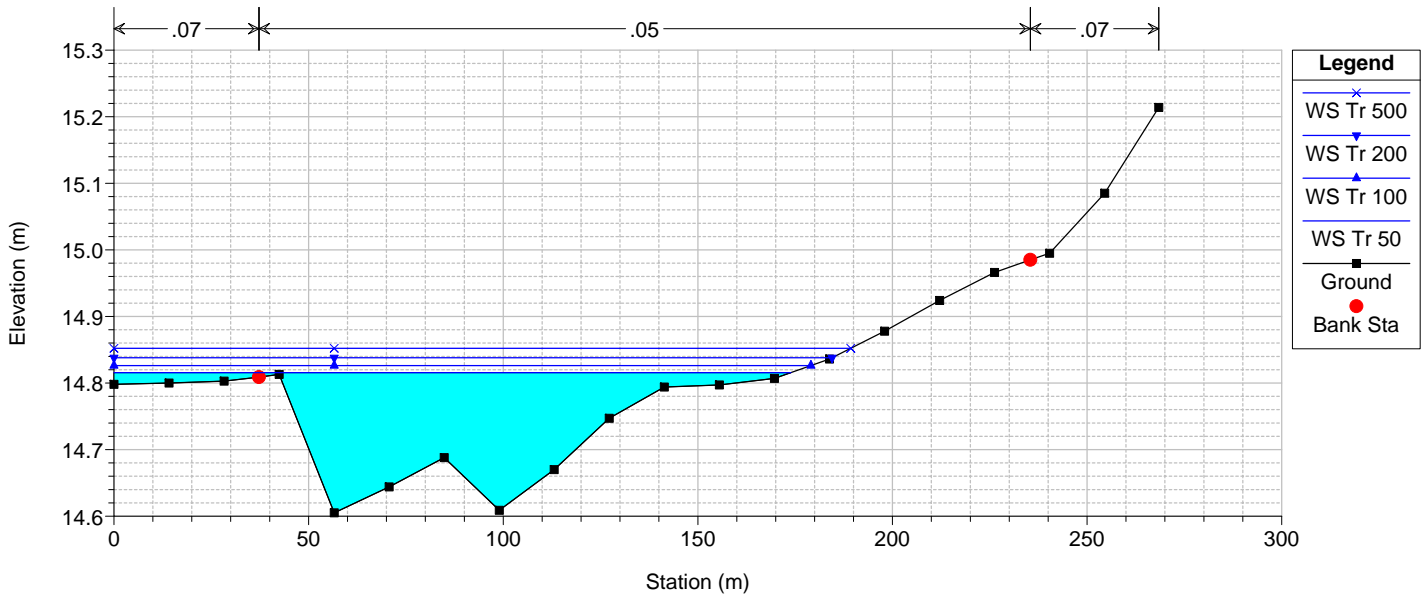
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 906.22 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

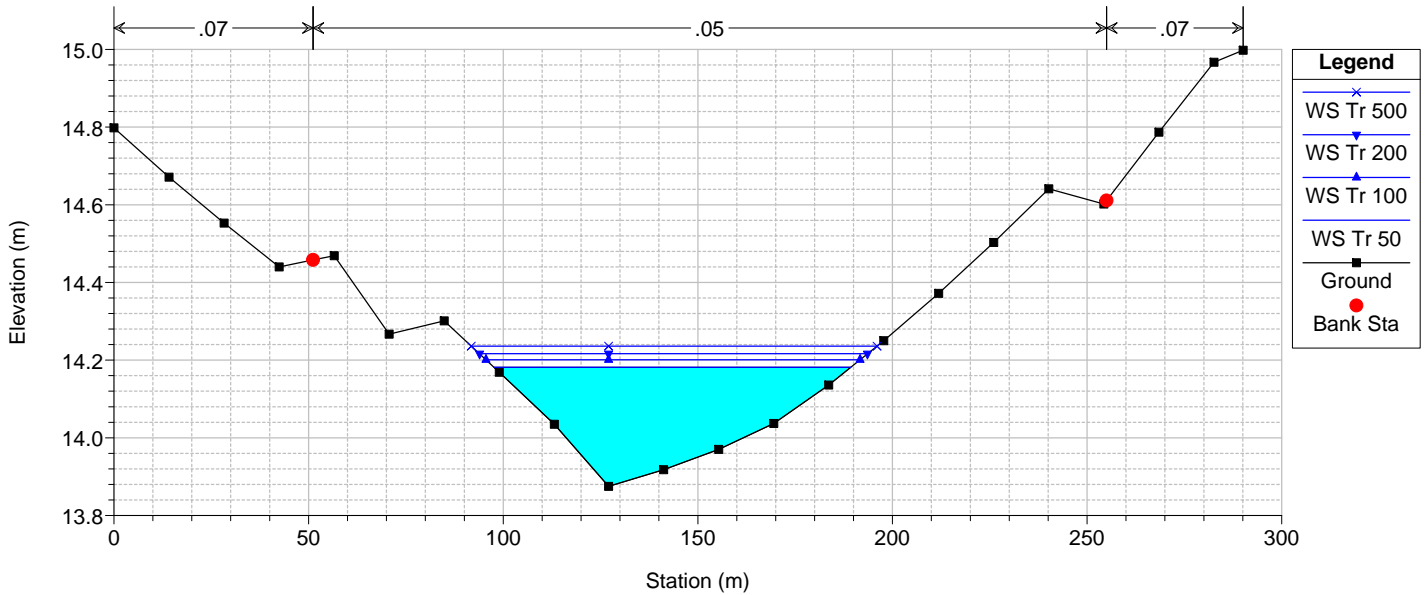
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 850.48 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

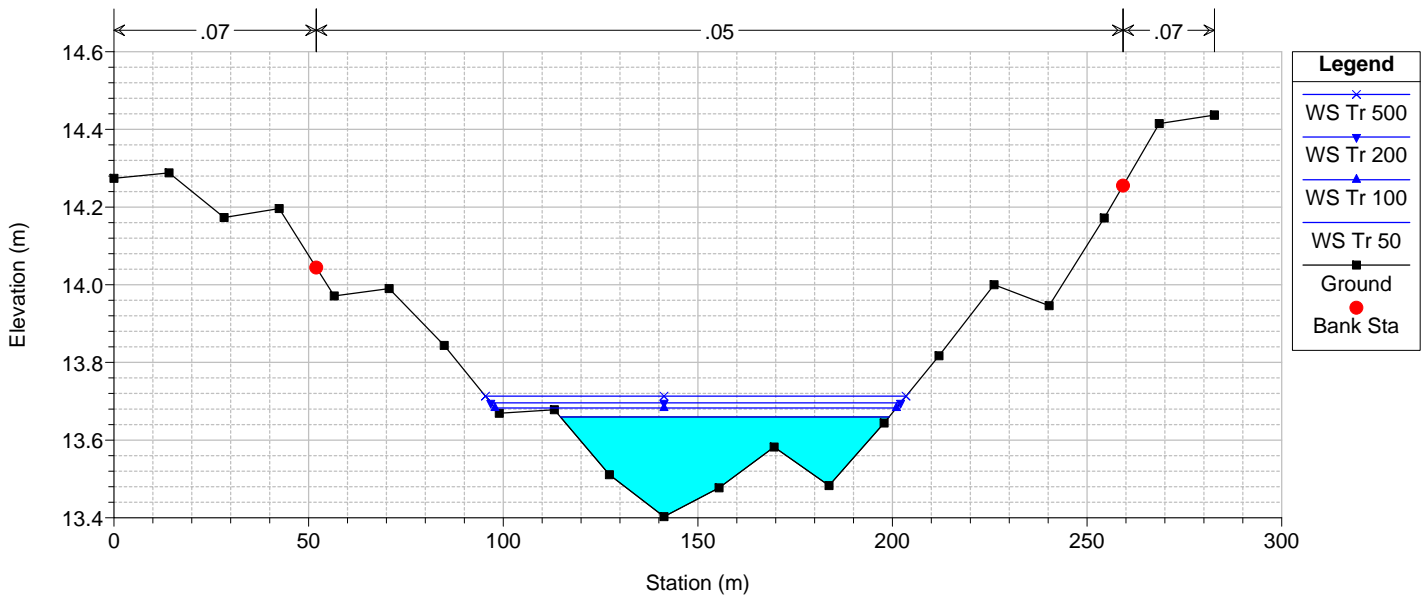
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 817.23 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

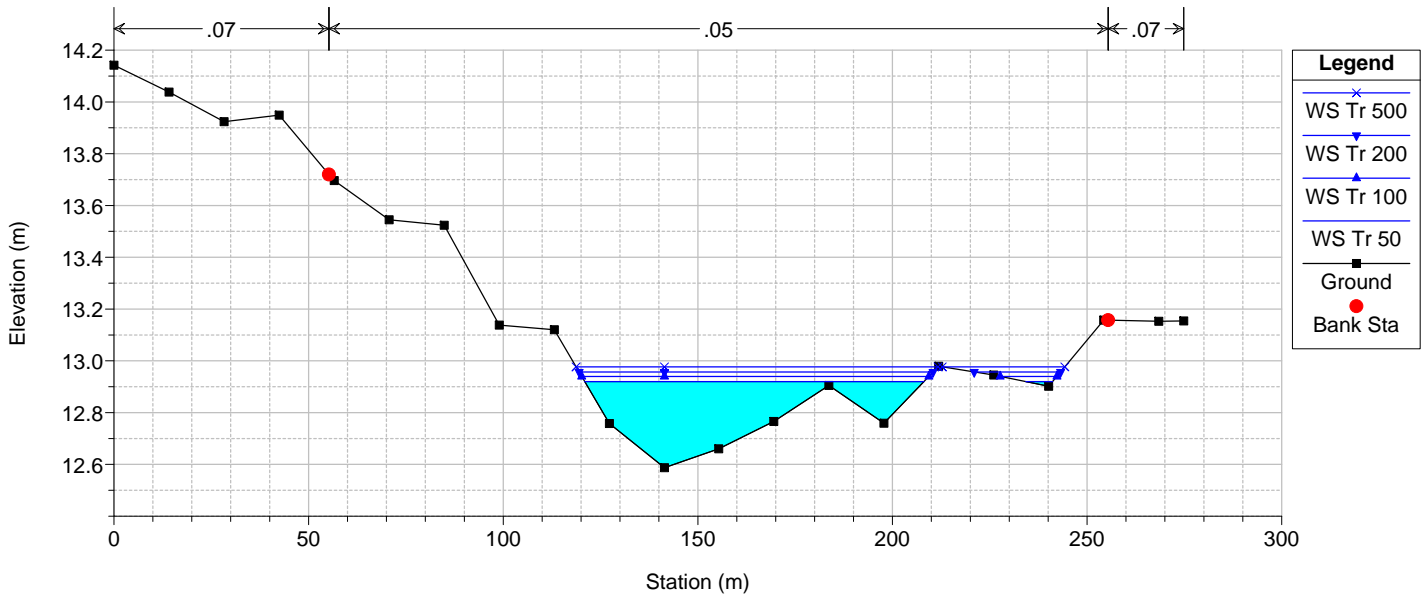
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 789.80 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

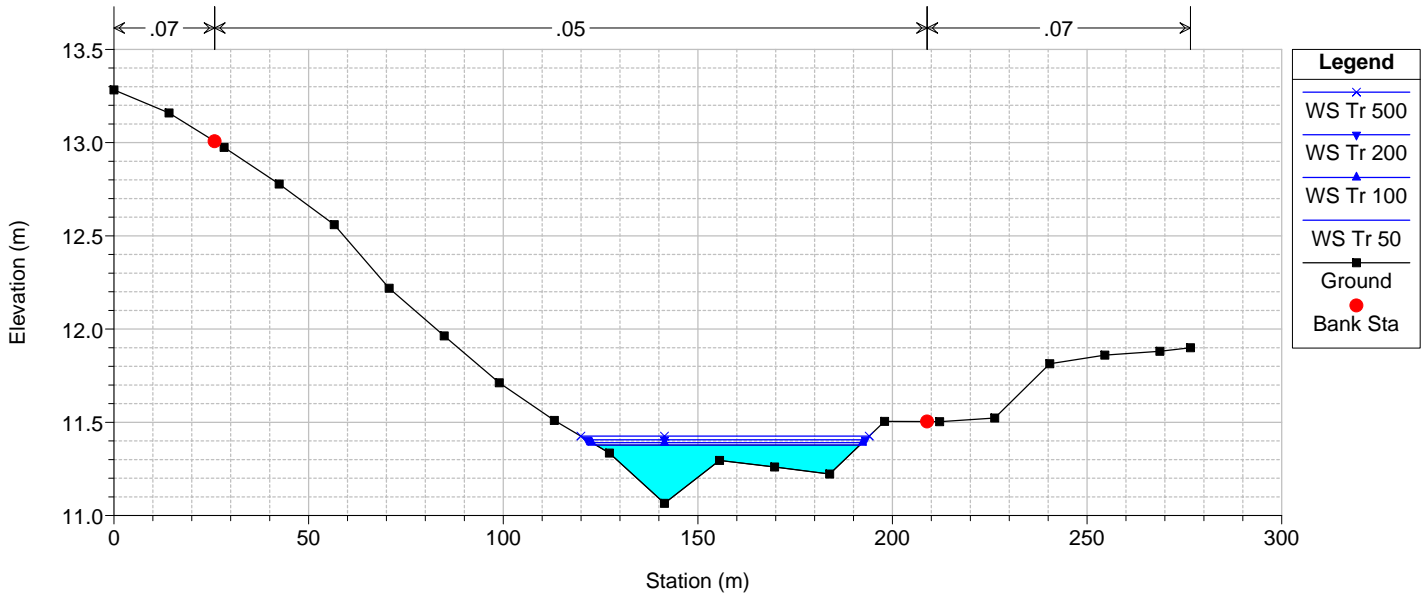
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 755.82 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

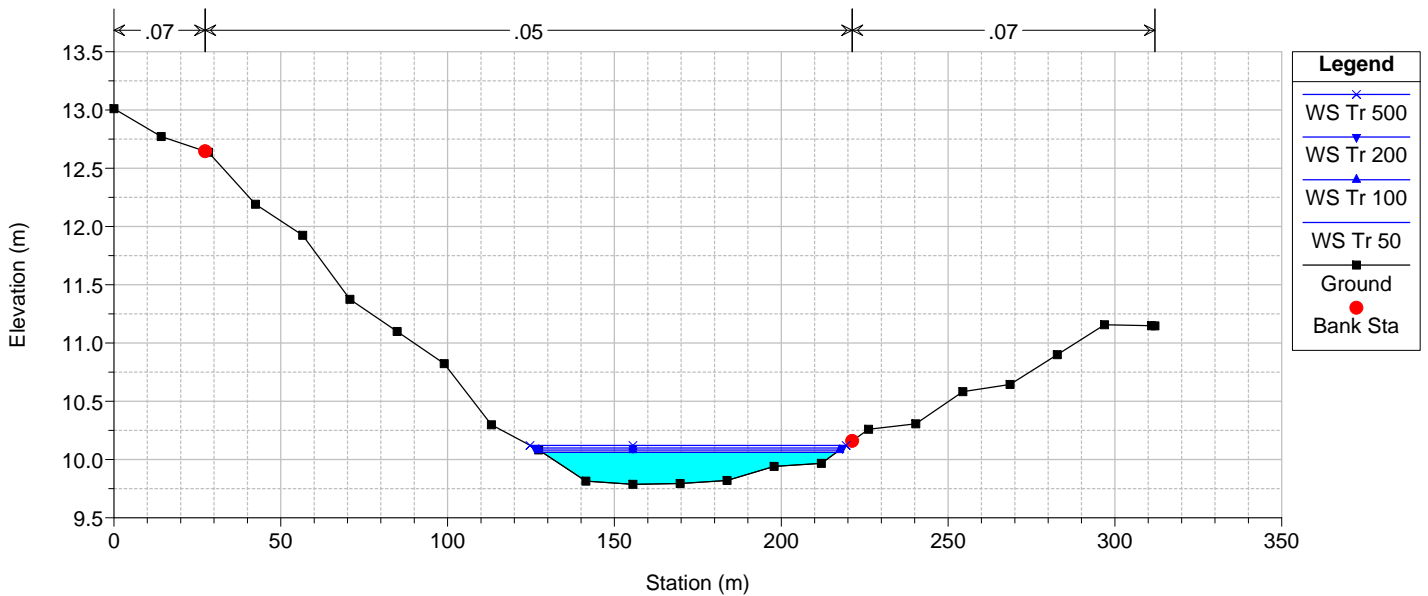
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 700.82 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

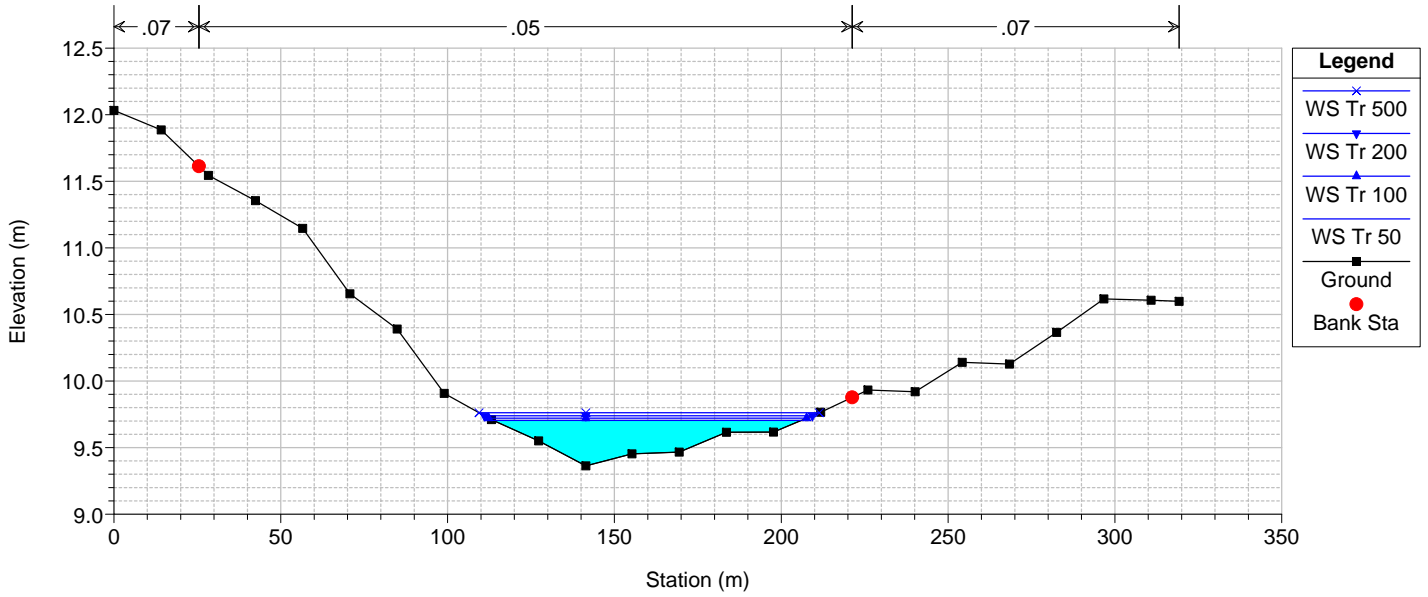
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 641.68 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

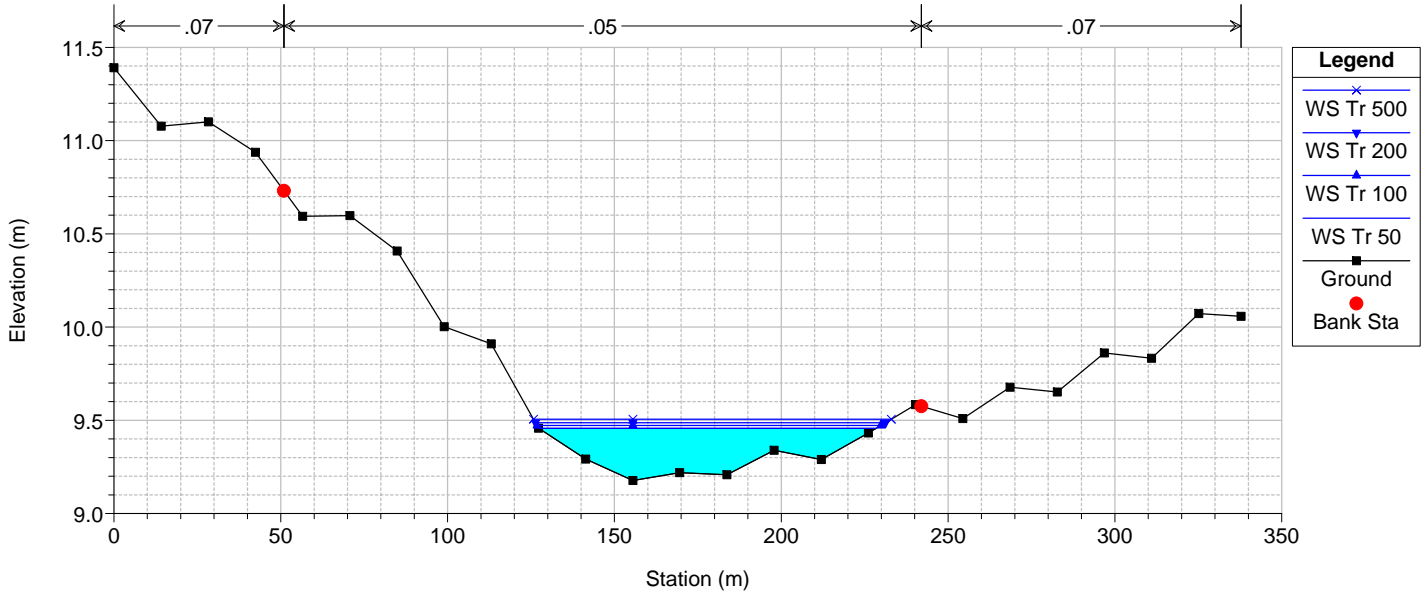
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 607.66 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

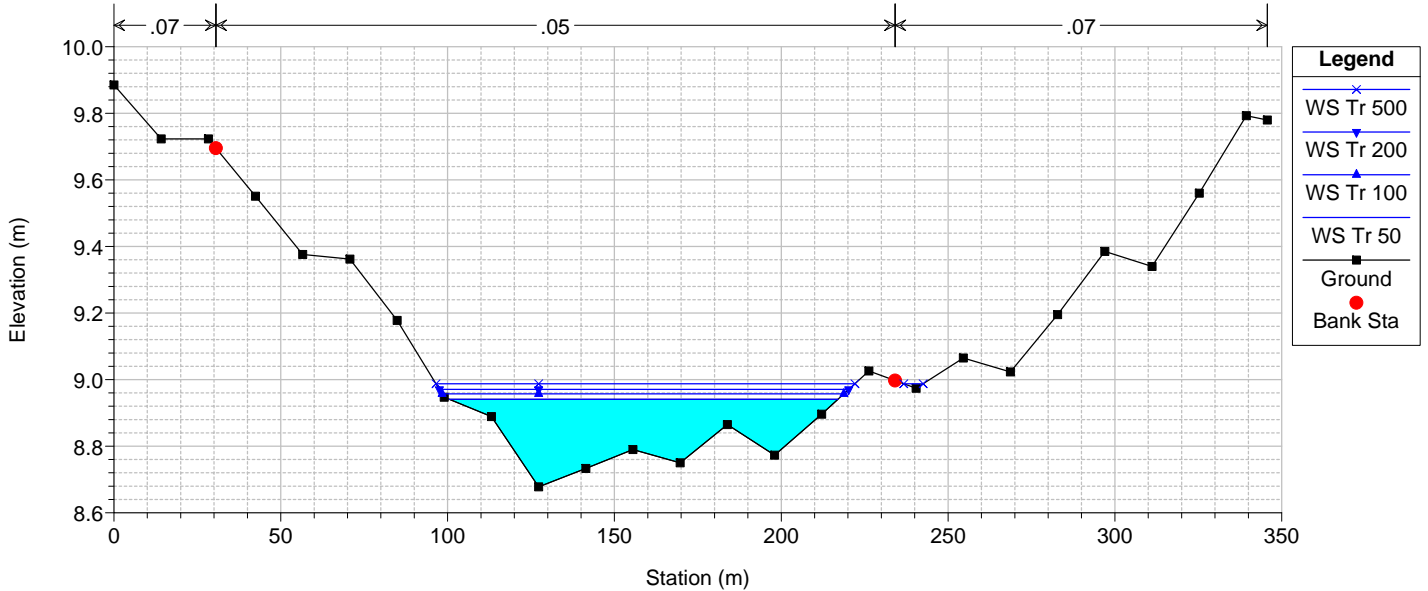
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 585.25 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

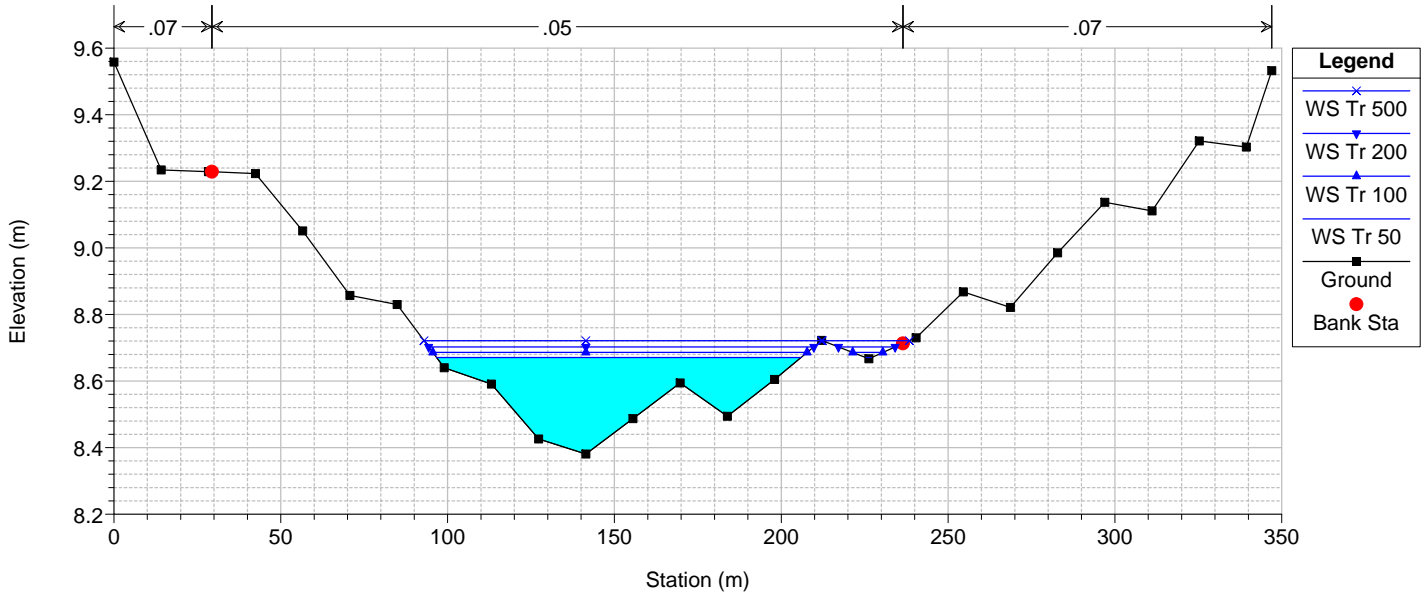
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 545.26 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

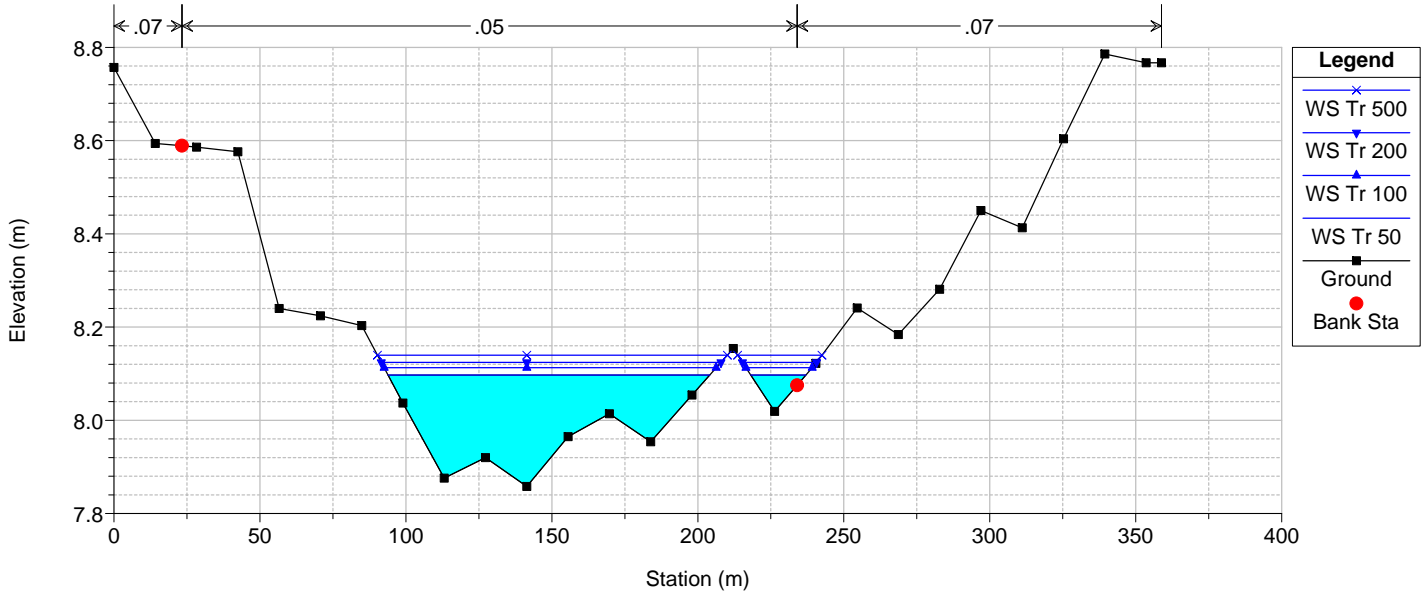
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 528.49 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

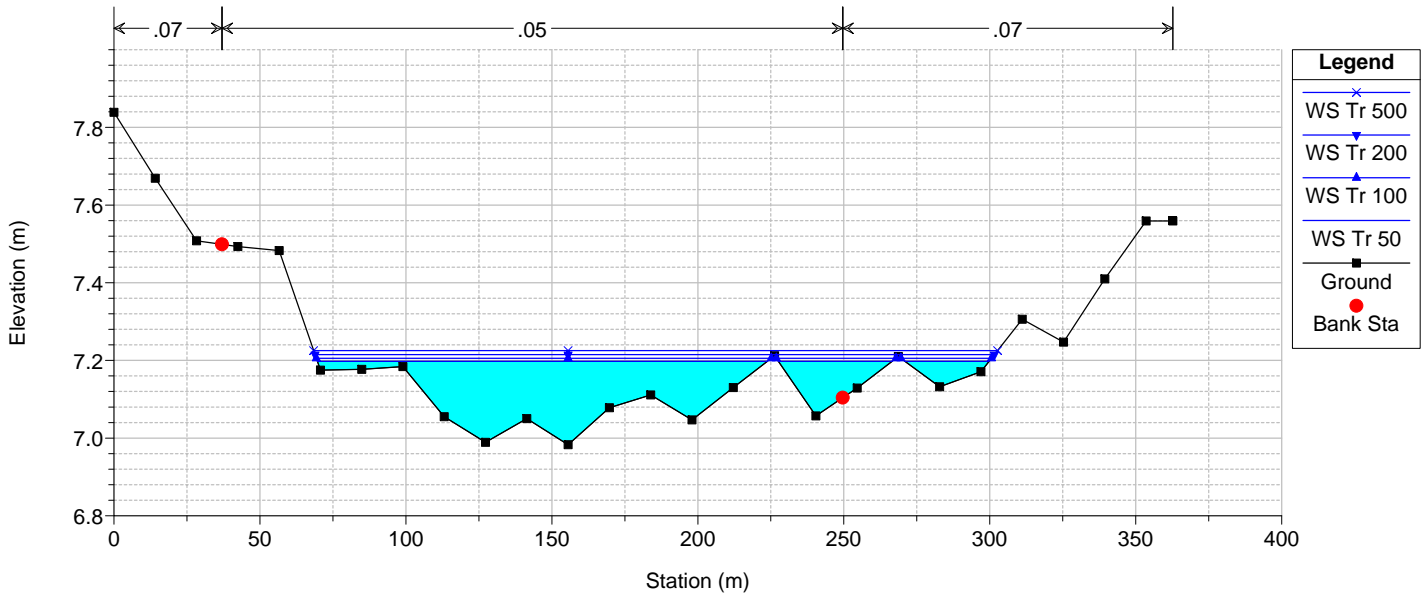
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 495.48 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

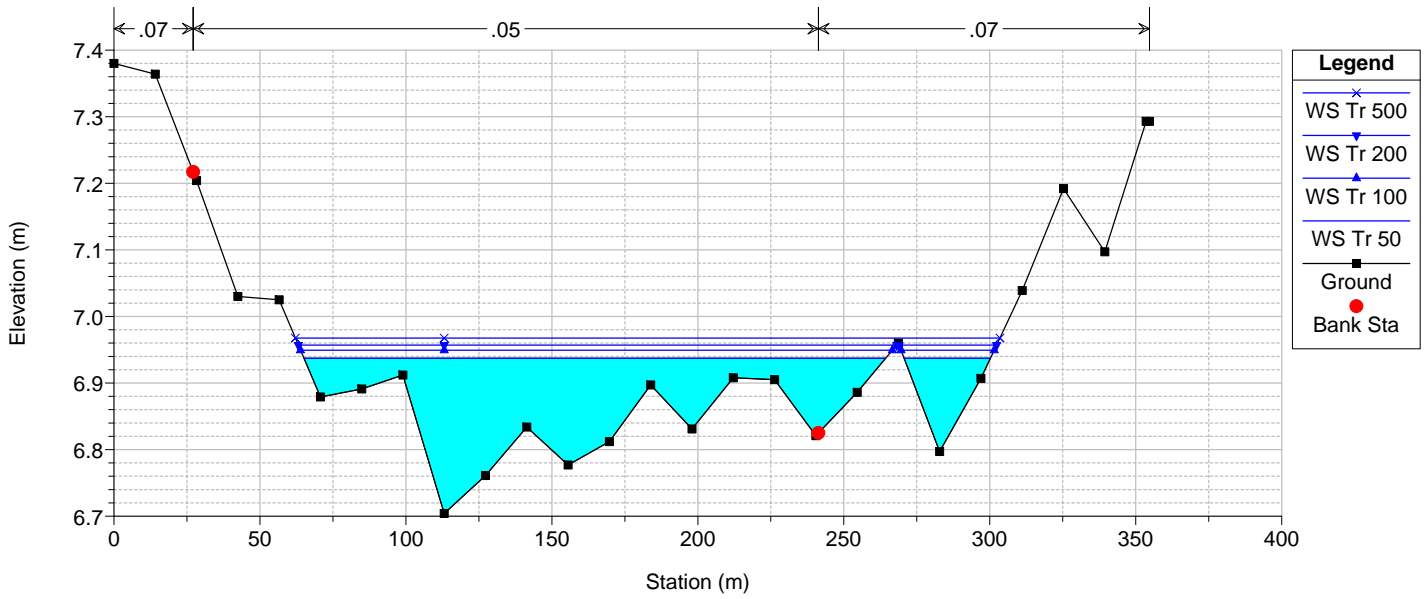
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 443.01 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

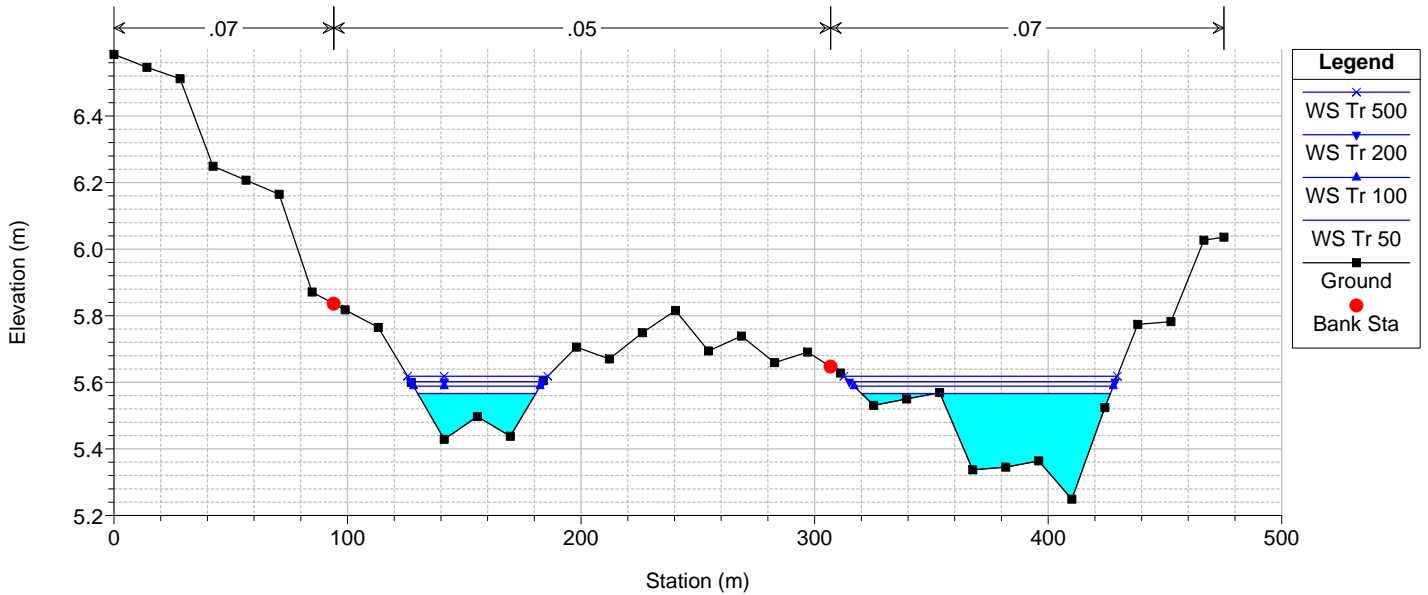
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 427.99 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

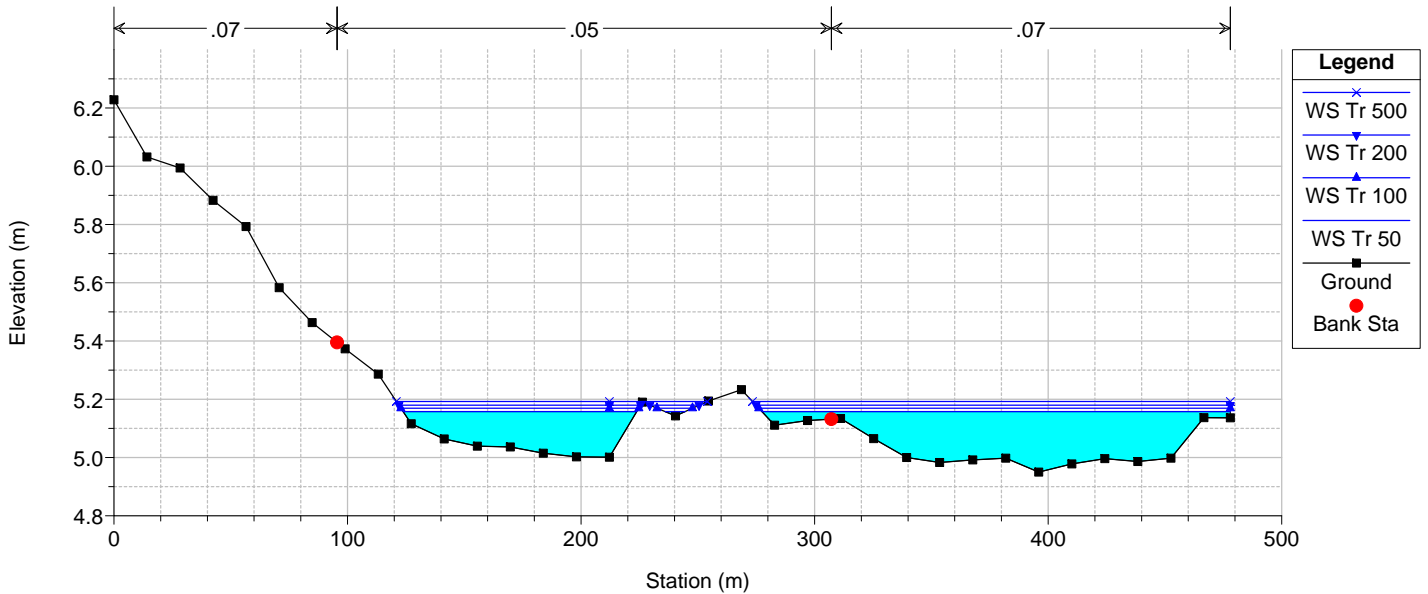
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 353.64 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

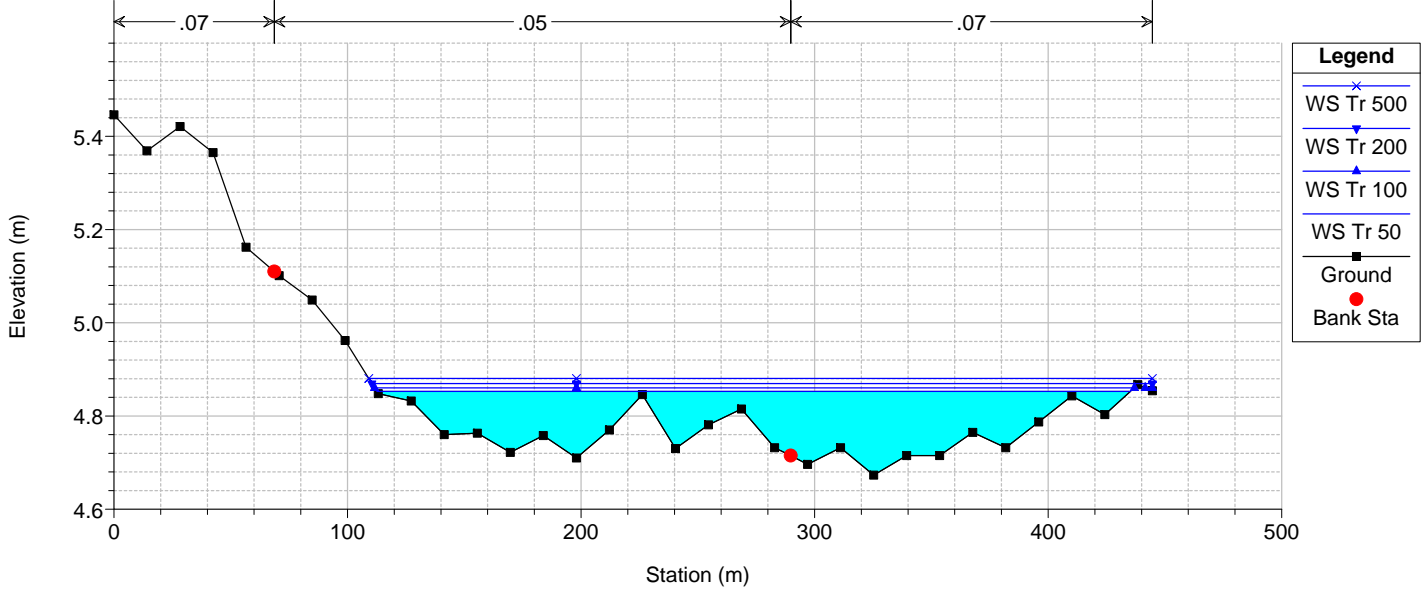
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 310.34 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

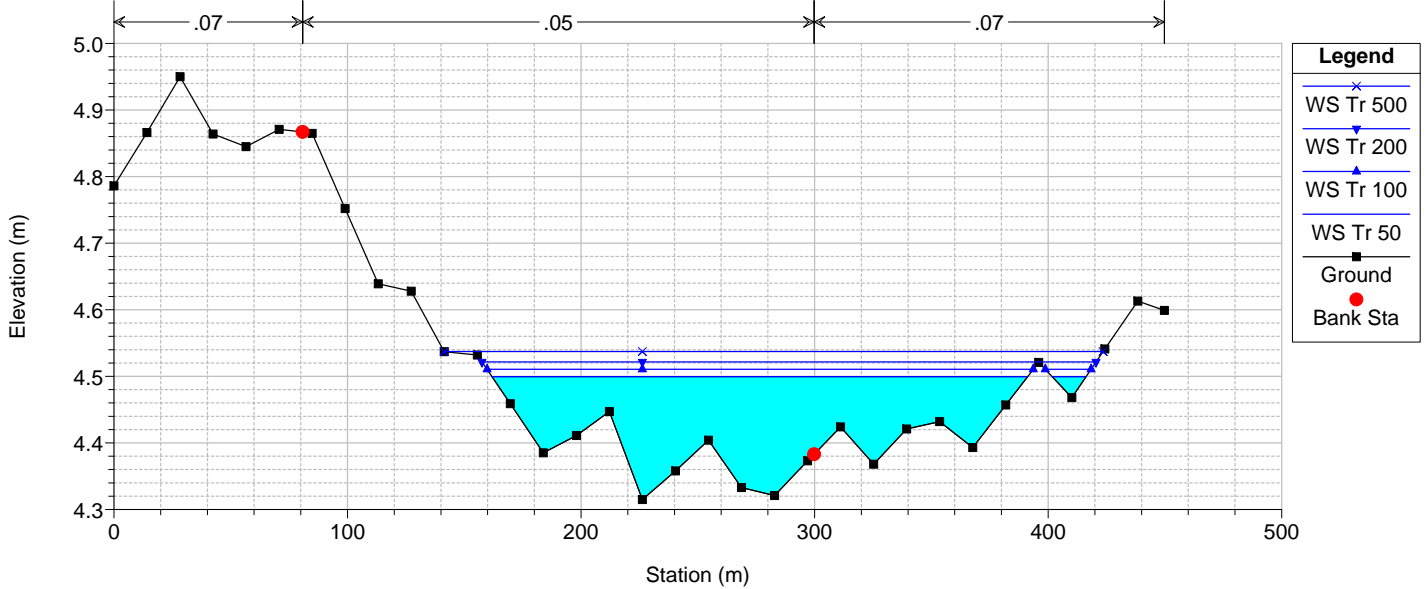
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 272.06 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

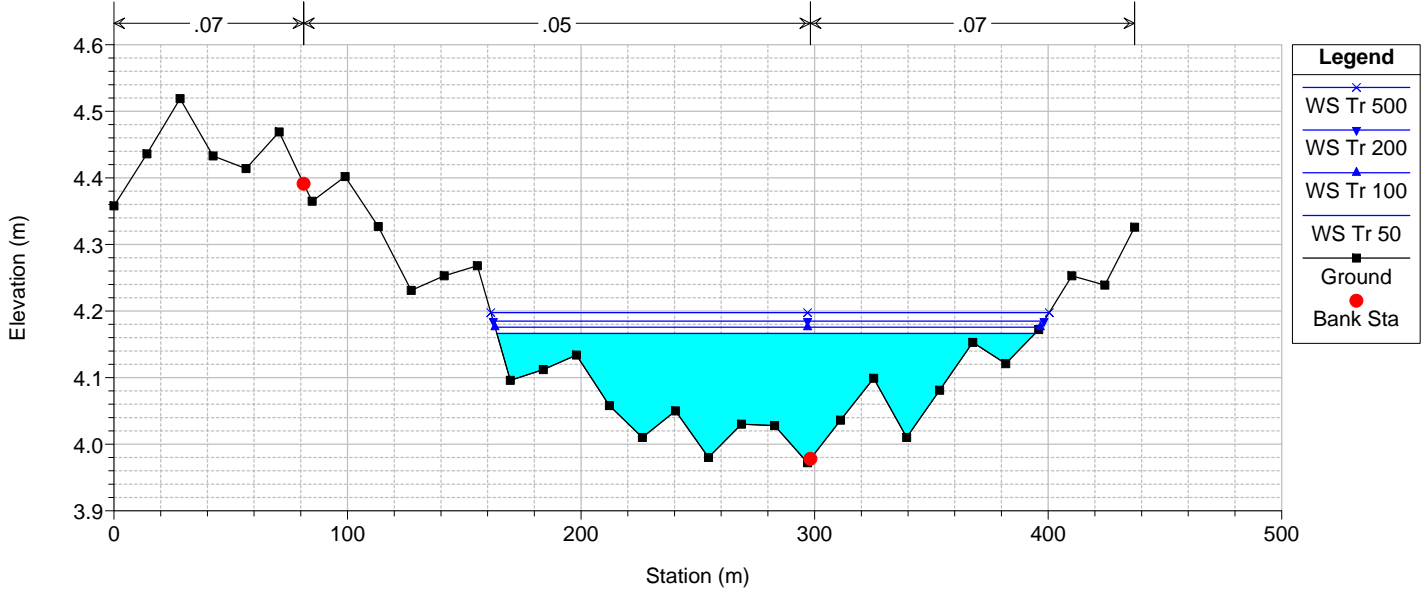
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 243.79 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

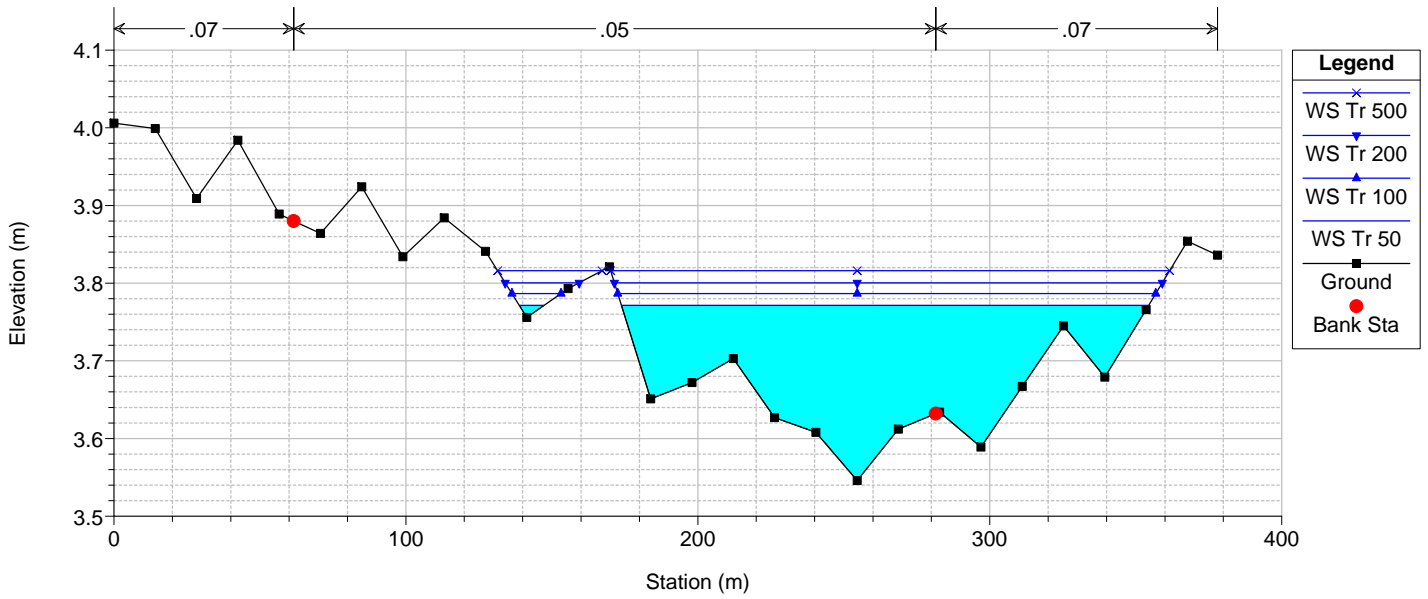
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 218.03 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

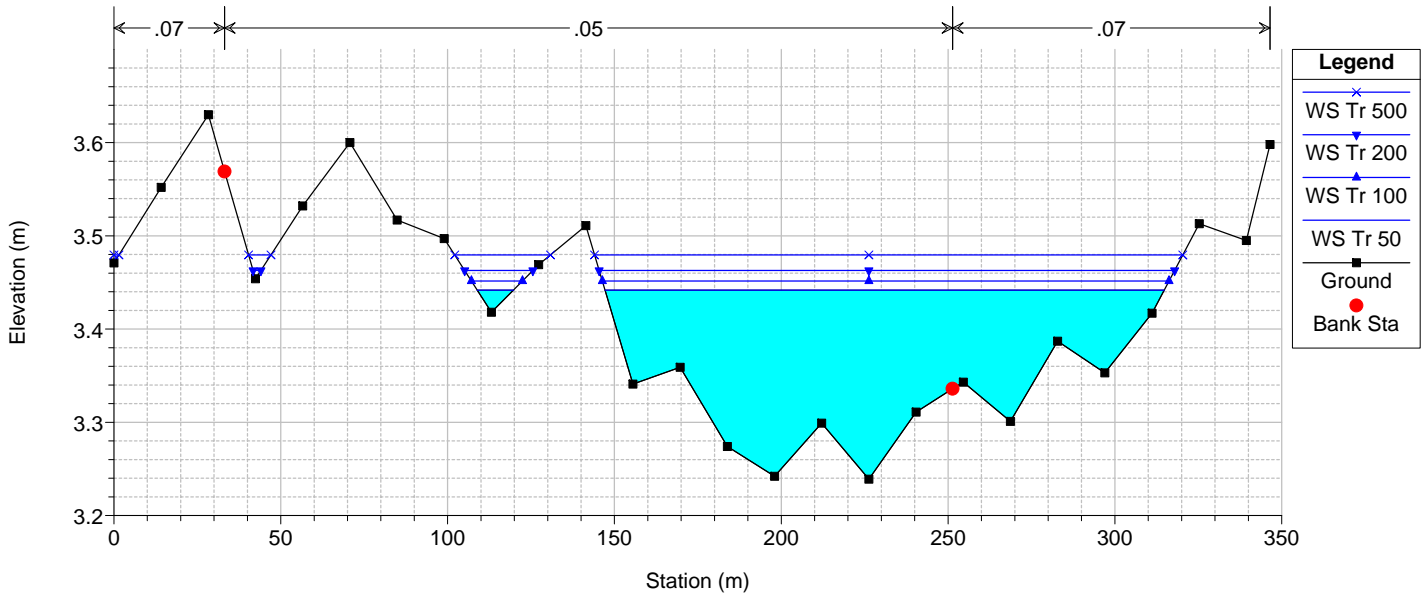
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 189.09 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

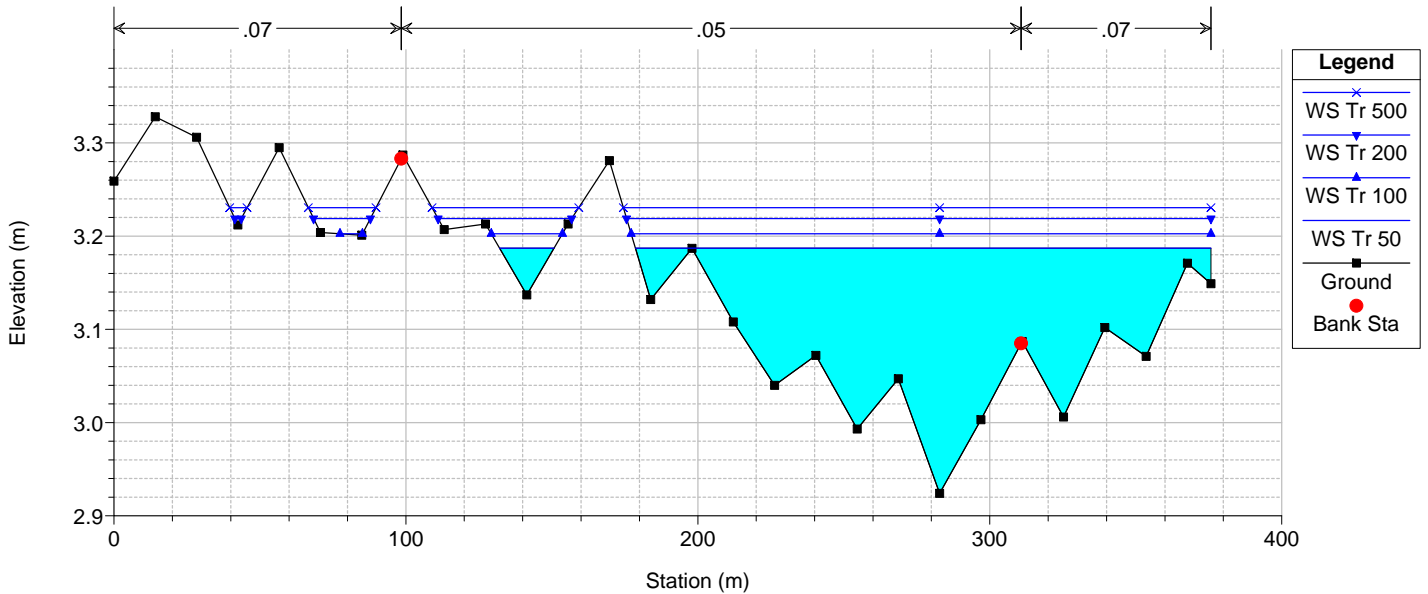
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 166.66 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

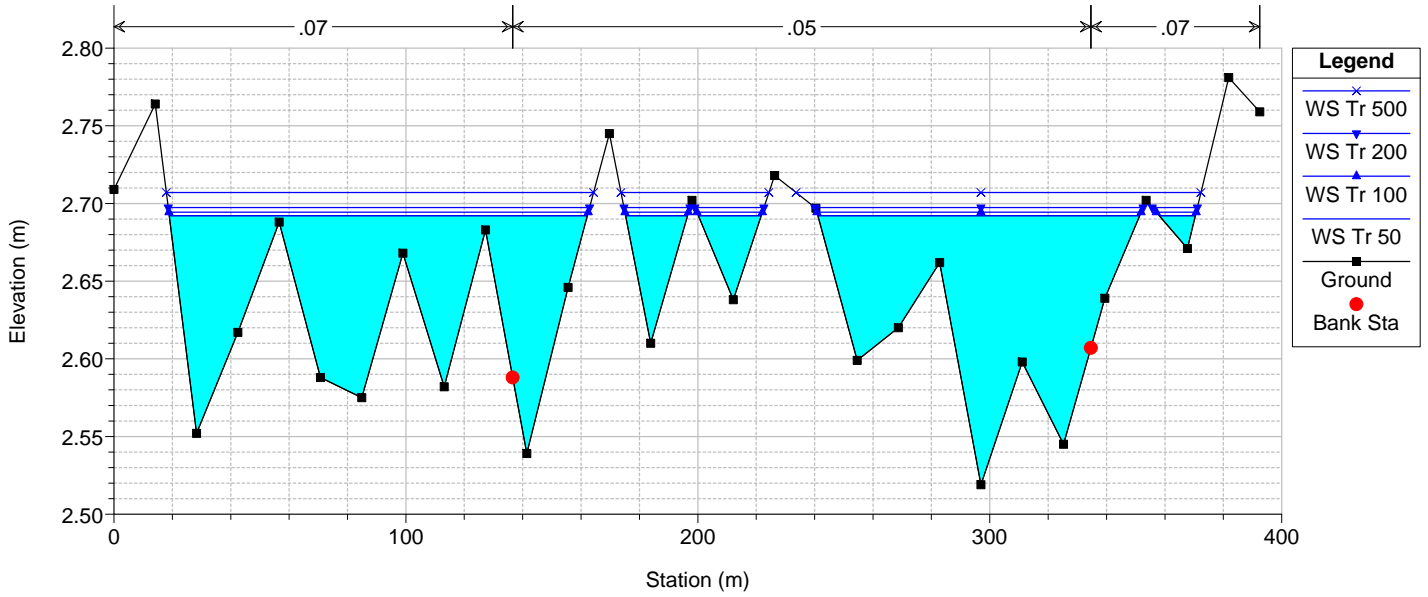
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 146.73 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

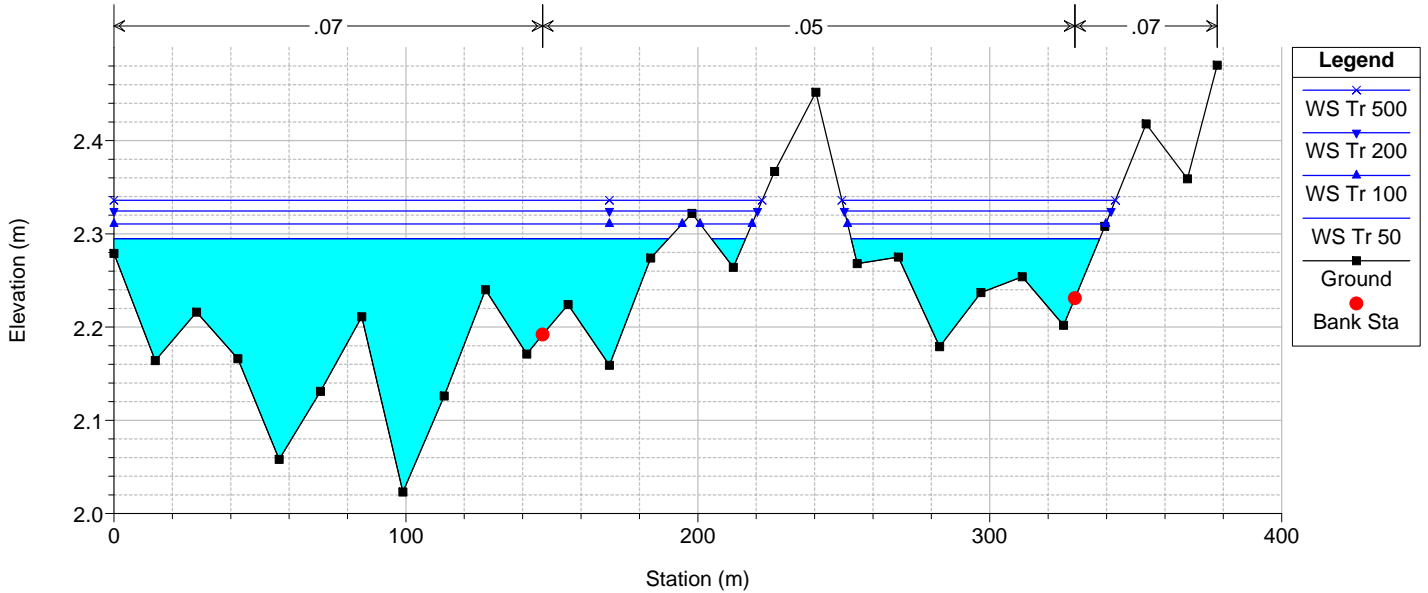
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 117.73 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

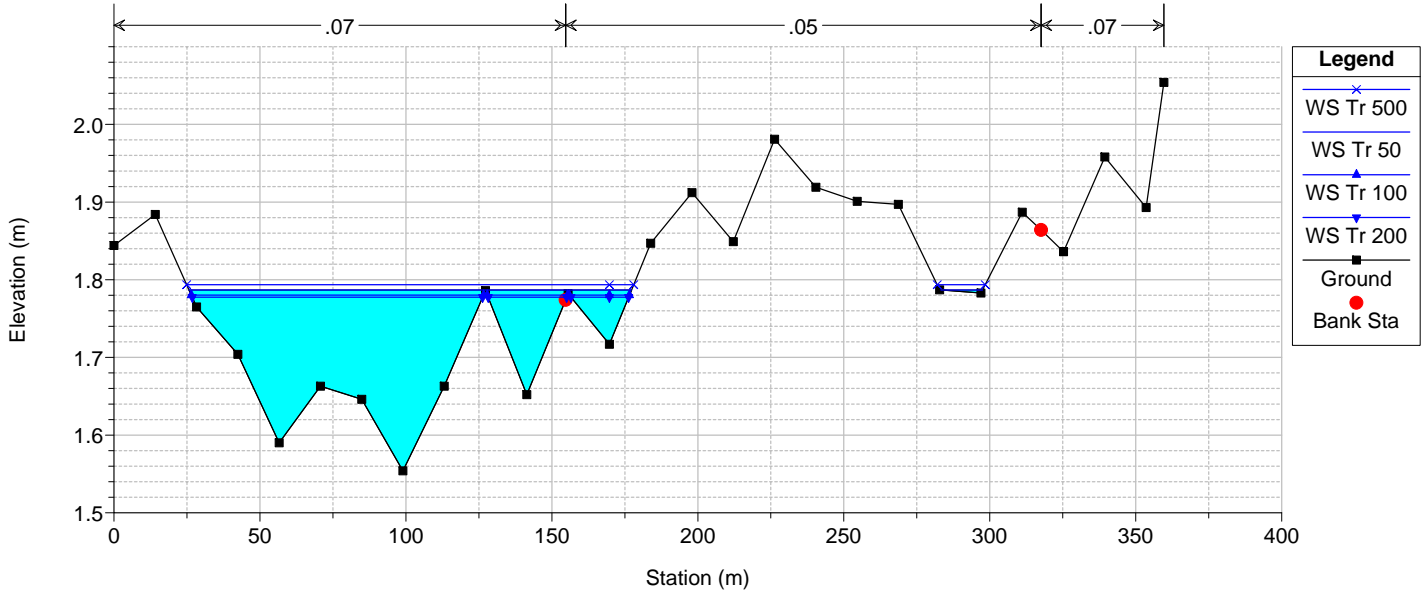
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 94.92 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

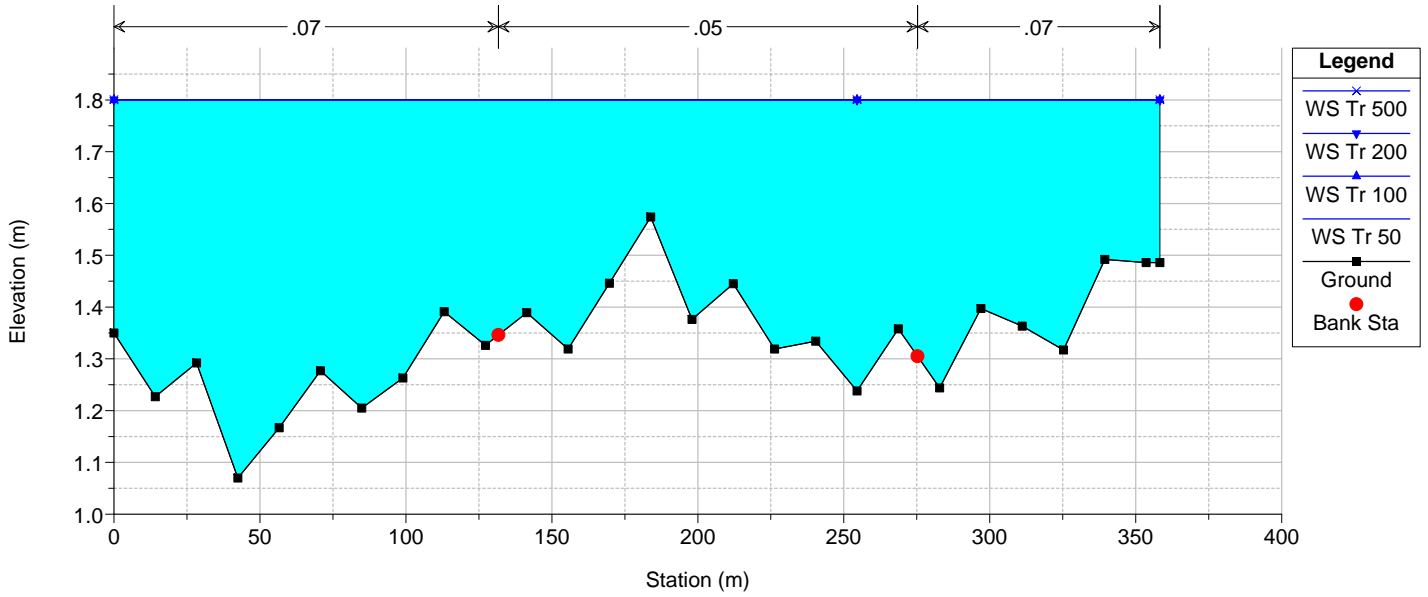
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 71.43 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

Geom: san_giovanni_dbt Flow: san_giovanni_dbt

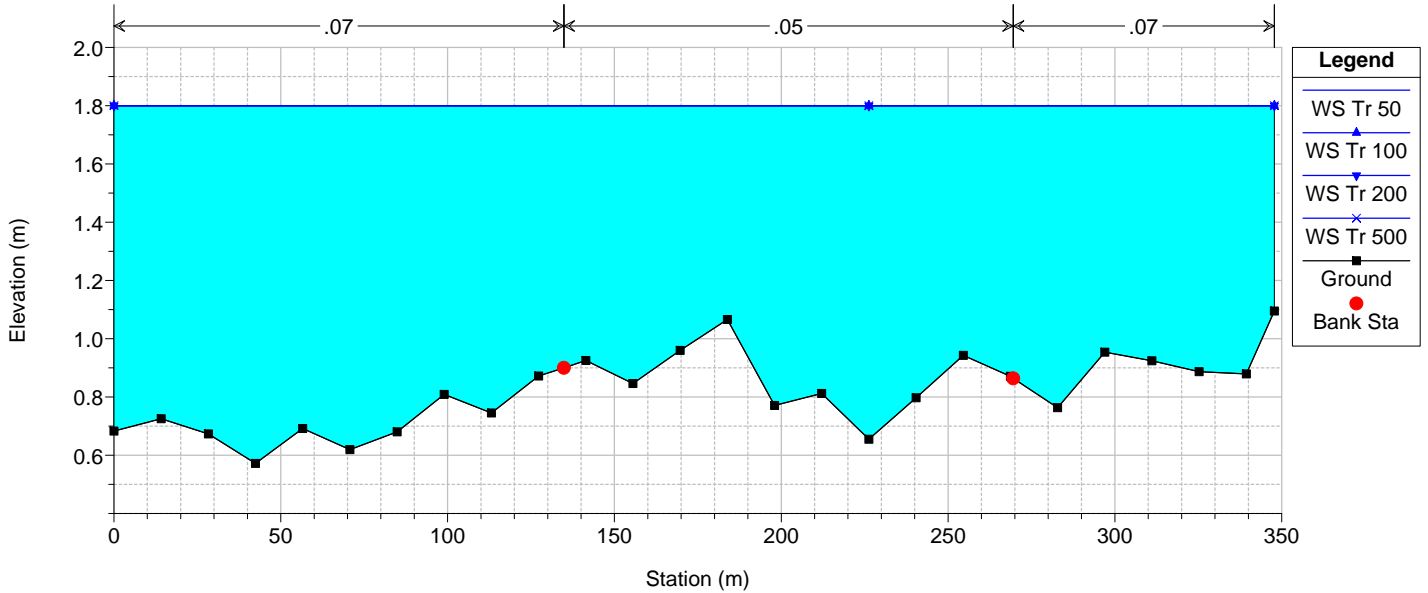
River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 50.52 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



san_giovanni_dbt Plan: Plan 02 10/27/2017

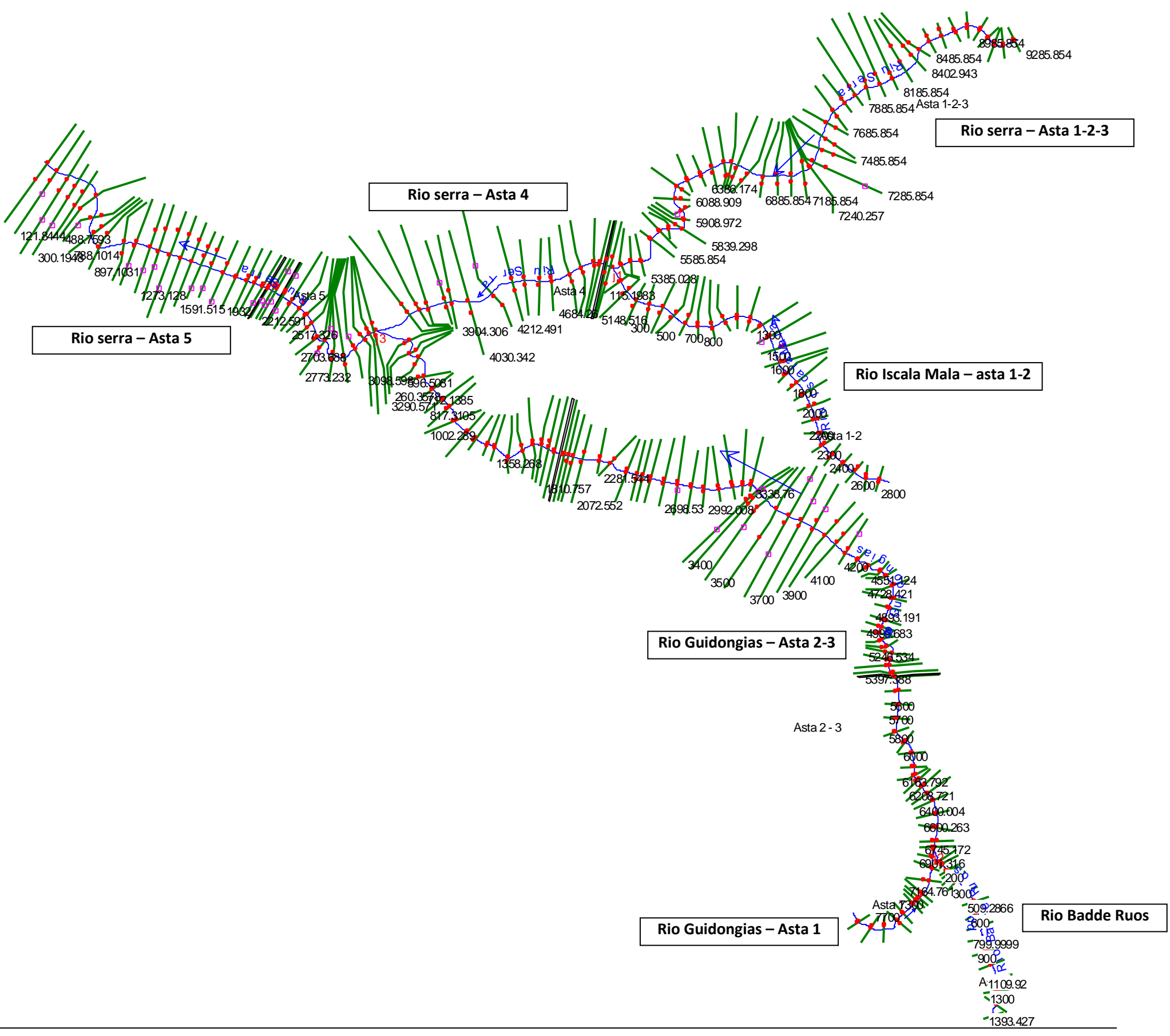
Geom: san_giovanni_dbt Flow: san_giovanni_dbt

River = sangiovanni2_ast Reach = sangiovanni2_ast RS = 27.38 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



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
sangiovanni2_ast	1019.85	Tr 50	10.91	16.74	16.98	16.98	17.03	0.039206	1.05	12.49	120.25	0.91
sangiovanni2_ast	1019.85	Tr 100	12.62	16.74	16.99	16.99	17.04	0.038748	1.09	13.92	121.50	0.91
sangiovanni2_ast	1019.85	Tr 200	14.34	16.74	17.00	17.00	17.06	0.042301	1.17	14.77	122.25	0.96
sangiovanni2_ast	1019.85	Tr 500	16.70	16.74	17.01	17.01	17.08	0.042598	1.22	16.39	123.64	0.97
sangiovanni2_ast	943.56	Tr 50	10.91	15.00	15.36	15.22	15.38	0.006235	0.61	17.84	74.08	0.40
sangiovanni2_ast	943.56	Tr 100	12.62	15.00	15.38	15.23	15.40	0.006737	0.65	19.43	78.03	0.42
sangiovanni2_ast	943.56	Tr 200	14.34	15.00	15.40	15.25	15.42	0.007153	0.68	21.08	82.69	0.43
sangiovanni2_ast	943.56	Tr 500	16.70	15.00	15.42	15.27	15.45	0.007615	0.72	23.30	88.54	0.45
sangiovanni2_ast	906.22	Tr 50	10.91	14.96	15.21		15.22	0.002839	0.36	32.92	195.69	0.26
sangiovanni2_ast	906.22	Tr 100	12.62	14.96	15.23		15.24	0.002913	0.38	35.98	196.97	0.27
sangiovanni2_ast	906.22	Tr 200	14.34	14.96	15.24		15.25	0.003018	0.40	38.72	198.13	0.27
sangiovanni2_ast	906.22	Tr 500	16.70	14.96	15.26		15.27	0.003138	0.43	42.32	199.93	0.28
sangiovanni2_ast	850.48	Tr 50	10.91	14.61	14.82	14.79	14.85	0.032349	0.78	14.38	173.94	0.78
sangiovanni2_ast	850.48	Tr 100	12.62	14.61	14.83	14.81	14.86	0.031948	0.81	16.24	179.03	0.79
sangiovanni2_ast	850.48	Tr 200	14.34	14.61	14.84	14.82	14.87	0.029931	0.82	18.37	184.44	0.77
sangiovanni2_ast	850.48	Tr 500	16.70	14.61	14.85	14.83	14.89	0.027905	0.84	21.04	189.28	0.76
sangiovanni2_ast	817.23	Tr 50	10.91	13.88	14.18		14.21	0.012734	0.70	15.68	91.65	0.54
sangiovanni2_ast	817.23	Tr 100	12.62	13.88	14.20		14.23	0.012590	0.72	17.50	96.13	0.54
sangiovanni2_ast	817.23	Tr 200	14.34	13.88	14.22		14.25	0.012973	0.75	19.00	99.67	0.55
sangiovanni2_ast	817.23	Tr 500	16.70	13.88	14.24		14.27	0.013365	0.79	21.01	104.22	0.57
sangiovanni2_ast	789.80	Tr 50	10.91	13.40	13.66	13.64	13.70	0.028680	0.92	11.90	84.46	0.78
sangiovanni2_ast	789.80	Tr 100	12.62	13.40	13.68	13.65	13.72	0.028975	0.90	14.02	103.12	0.78
sangiovanni2_ast	789.80	Tr 200	14.34	13.40	13.70	13.66	13.74	0.028125	0.93	15.40	105.27	0.78
sangiovanni2_ast	789.80	Tr 500	16.70	13.40	13.71	13.69	13.76	0.027183	0.97	17.23	108.06	0.78
sangiovanni2_ast	755.82	Tr 50	10.91	12.59	12.92		12.95	0.017485	0.76	14.41	94.09	0.62
sangiovanni2_ast	755.82	Tr 100	12.62	12.59	12.94		12.97	0.017391	0.77	16.38	103.81	0.62
sangiovanni2_ast	755.82	Tr 200	14.34	12.59	12.96		12.99	0.017637	0.79	18.23	113.16	0.63
sangiovanni2_ast	755.82	Tr 500	16.70	12.59	12.98		13.01	0.018120	0.81	20.59	124.52	0.64
sangiovanni2_ast	700.82	Tr 50	10.91	11.06	11.38	11.38	11.45	0.048126	1.17	9.33	67.78	1.01
sangiovanni2_ast	700.82	Tr 100	12.62	11.06	11.39	11.39	11.47	0.048564	1.23	10.26	69.55	1.02
sangiovanni2_ast	700.82	Tr 200	14.34	11.06	11.41	11.41	11.49	0.047255	1.27	11.29	71.46	1.02
sangiovanni2_ast	700.82	Tr 500	16.70	11.06	11.43	11.43	11.51	0.044928	1.31	12.74	74.07	1.01
sangiovanni2_ast	641.68	Tr 50	10.91	9.79	10.06	9.98	10.08	0.009287	0.64	16.98	88.20	0.47
sangiovanni2_ast	641.68	Tr 100	12.62	9.79	10.08	9.99	10.10	0.009204	0.67	18.75	90.20	0.47
sangiovanni2_ast	641.68	Tr 200	14.34	9.79	10.10	10.00	10.12	0.009331	0.71	20.33	92.17	0.48
sangiovanni2_ast	641.68	Tr 500	16.70	9.79	10.12	10.02	10.15	0.009399	0.74	22.48	94.78	0.49
sangiovanni2_ast	607.66	Tr 50	10.91	9.36	9.70		9.73	0.011929	0.68	16.04	92.31	0.52
sangiovanni2_ast	607.66	Tr 100	12.62	9.36	9.72		9.75	0.012107	0.72	17.65	95.26	0.53
sangiovanni2_ast	607.66	Tr 200	14.34	9.36	9.74		9.77	0.011854	0.74	19.42	98.30	0.53
sangiovanni2_ast	607.66	Tr 500	16.70	9.36	9.76		9.79	0.011822	0.77	21.60	101.93	0.54
sangiovanni2_ast	585.25	Tr 50	10.91	9.18	9.46		9.48	0.010348	0.63	17.36	101.07	0.48
sangiovanni2_ast	585.25	Tr 100	12.62	9.18	9.47		9.49	0.010683	0.67	18.91	103.03	0.50
sangiovanni2_ast	585.25	Tr 200	14.34	9.18	9.49		9.51	0.010828	0.70	20.48	104.90	0.51
sangiovanni2_ast	585.25	Tr 500	16.70	9.18	9.51		9.53	0.011092	0.74	22.47	107.24	0.52
sangiovanni2_ast	545.26	Tr 50	10.91	8.68	8.94		8.96	0.016275	0.68	16.04	116.44	0.59
sangiovanni2_ast	545.26	Tr 100	12.62	8.68	8.96		8.98	0.015515	0.70	17.99	120.41	0.58
sangiovanni2_ast	545.26	Tr 200	14.34	8.68	8.97		9.00	0.015418	0.73	19.61	122.67	0.58
sangiovanni2_ast	545.26	Tr 500	16.70	8.68	8.99		9.02	0.015332	0.77	21.76	131.33	0.59
sangiovanni2_ast	528.49	Tr 50	10.91	8.38	8.67		8.69	0.015935	0.69	15.82	110.86	0.58
sangiovanni2_ast	528.49	Tr 100	12.62	8.38	8.69		8.71	0.016828	0.72	17.61	121.22	0.60
sangiovanni2_ast	528.49	Tr 200	14.34	8.38	8.70		8.73	0.016758	0.73	19.72	132.46	0.60
sangiovanni2_ast	528.49	Tr 500	16.70	8.38	8.72		8.75	0.016689	0.75	22.33	145.26	0.61
sangiovanni2_ast	495.48	Tr 50	10.91	7.86	8.10		8.12	0.019088	0.69	15.81	129.06	0.62
sangiovanni2_ast	495.48	Tr 100	12.62	7.86	8.11		8.14	0.017952	0.71	17.92	136.47	0.61
sangiovanni2_ast	495.48	Tr 200	14.34	7.86	8.12		8.15	0.018323	0.74	19.49	141.73	0.63
sangiovanni2_ast	495.48	Tr 500	16.70	7.86	8.14		8.17	0.018368	0.78	21.74	148.71	0.63
sangiovanni2_ast	443.01	Tr 50	10.91	6.98	7.20		7.21	0.015753	0.56	20.58	222.05	0.55
sangiovanni2_ast	443.01	Tr 100	12.62	6.98	7.21		7.22	0.016860	0.60	22.27	227.85	0.58
sangiovanni2_ast	443.01	Tr 200	14.34	6.98	7.21		7.23	0.016611	0.63	24.46	232.68	0.58
sangiovanni2_ast	443.01	Tr 500	16.70	6.98	7.23		7.25	0.016783	0.67	26.92	234.28	0.59
sangiovanni2_ast	427.99	Tr 50	10.91	6.70	6.94	6.91	6.95	0.019686	0.58	20.18	228.80	0.61
sangiovanni2_ast	427.99	Tr 100	12.62	6.70	6.95	6.91	6.97	0.017664	0.60	22.98	234.61	0.58
sangiovanni2_ast	427.99	Tr 200	14.34	6.70	6.96	6.92	6.98	0.018088	0.63	24.79	238.29	0.60
sangiovanni2_ast	427.99	Tr 500	16.70	6.70	6.97	6.93	6.99	0.018119	0.67	27.34	241.34	0.61
sangiovanni2_ast	353.64	Tr 50	10.91	5.43	5.57		5.58	0.016690	0.50	18.96	154.97	0.55
sangiovanni2_ast	353.64	Tr 100	12.62	5.43	5.59		5.60	0.018255	0.59	22.49	165.19	0.59
sangiovanni2_ast	353.64	Tr 200	14.34	5.43	5.60		5.62	0.017667	0.61	24.80	170.27	0.59

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
sangiovanni2_ast	353.64	Tr 500	16.70	5.43	5.62		5.64	0.017560	0.64	27.61	177.04	0.59
sangiovanni2_ast	310.34	Tr 50	10.91	5.00	5.16		5.16	0.006028	0.31	36.12	309.24	0.33
sangiovanni2_ast	310.34	Tr 100	12.62	5.00	5.17		5.17	0.006044	0.32	39.76	319.08	0.34
sangiovanni2_ast	310.34	Tr 200	14.34	5.00	5.18		5.19	0.006155	0.34	43.04	327.68	0.34
sangiovanni2_ast	310.34	Tr 500	16.70	5.00	5.19		5.20	0.006296	0.35	47.26	337.67	0.35
sangiovanni2_ast	272.06	Tr 50	10.91	4.71	4.85		4.86	0.011712	0.41	29.33	322.64	0.45
sangiovanni2_ast	272.06	Tr 100	12.62	4.71	4.86		4.87	0.011988	0.44	31.88	328.43	0.47
sangiovanni2_ast	272.06	Tr 200	14.34	4.71	4.87		4.88	0.011745	0.46	34.96	334.18	0.47
sangiovanni2_ast	272.06	Tr 500	16.70	4.71	4.88		4.89	0.011481	0.48	38.60	335.53	0.47
sangiovanni2_ast	243.79	Tr 50	10.91	4.32	4.50		4.51	0.012420	0.53	23.92	243.89	0.50
sangiovanni2_ast	243.79	Tr 100	12.62	4.32	4.51		4.52	0.012251	0.56	26.63	253.42	0.50
sangiovanni2_ast	243.79	Tr 200	14.34	4.32	4.52		4.54	0.012228	0.58	29.50	262.92	0.51
sangiovanni2_ast	243.79	Tr 500	16.70	4.32	4.54		4.55	0.012283	0.59	33.68	282.15	0.51
sangiovanni2_ast	218.03	Tr 50	10.91	3.97	4.17		4.18	0.013009	0.54	23.62	230.50	0.51
sangiovanni2_ast	218.03	Tr 100	12.62	3.97	4.18		4.19	0.013312	0.57	25.77	233.46	0.52
sangiovanni2_ast	218.03	Tr 200	14.34	3.97	4.18		4.20	0.013472	0.60	27.89	235.78	0.53
sangiovanni2_ast	218.03	Tr 500	16.70	3.97	4.20		4.21	0.013227	0.63	30.97	239.12	0.53
sangiovanni2_ast	189.09	Tr 50	10.91	3.55	3.77		3.79	0.013809	0.59	21.40	189.00	0.53
sangiovanni2_ast	189.09	Tr 100	12.62	3.55	3.79		3.80	0.013260	0.59	24.38	201.12	0.52
sangiovanni2_ast	189.09	Tr 200	14.34	3.55	3.80		3.82	0.012934	0.60	27.24	213.03	0.52
sangiovanni2_ast	189.09	Tr 500	16.70	3.55	3.82		3.83	0.013024	0.61	30.66	227.25	0.52
sangiovanni2_ast	166.66	Tr 50	10.91	3.24	3.44		3.46	0.014915	0.62	20.02	178.47	0.55
sangiovanni2_ast	166.66	Tr 100	12.62	3.24	3.45		3.47	0.016076	0.66	21.80	185.19	0.58
sangiovanni2_ast	166.66	Tr 200	14.34	3.24	3.46		3.48	0.016640	0.68	23.94	195.25	0.59
sangiovanni2_ast	166.66	Tr 500	16.70	3.24	3.48		3.50	0.016547	0.68	27.33	213.14	0.59
sangiovanni2_ast	146.73	Tr 50	10.91	2.92	3.19		3.20	0.011123	0.50	24.01	215.76	0.47
sangiovanni2_ast	146.73	Tr 100	12.62	2.92	3.20		3.21	0.010095	0.51	27.43	230.56	0.45
sangiovanni2_ast	146.73	Tr 200	14.34	2.92	3.22		3.23	0.009686	0.49	31.55	267.55	0.44
sangiovanni2_ast	146.73	Tr 500	16.70	2.92	3.23		3.24	0.010041	0.52	34.74	280.62	0.46
sangiovanni2_ast	117.73	Tr 50	10.91	2.52	2.69	2.67	2.71	0.027554	0.59	21.44	308.56	0.69
sangiovanni2_ast	117.73	Tr 100	12.62	2.52	2.69	2.68	2.71	0.033730	0.67	22.14	312.64	0.77
sangiovanni2_ast	117.73	Tr 200	14.34	2.52	2.70	2.68	2.72	0.038779	0.72	23.09	318.45	0.82
sangiovanni2_ast	117.73	Tr 500	16.70	2.52	2.71	2.70	2.73	0.037448	0.73	26.26	335.80	0.82
sangiovanni2_ast	94.92	Tr 50	10.91	2.16	2.29		2.30	0.011316	0.33	28.56	286.81	0.43
sangiovanni2_ast	94.92	Tr 100	12.62	2.16	2.31		2.32	0.009653	0.34	33.23	300.89	0.40
sangiovanni2_ast	94.92	Tr 200	14.34	2.16	2.32	2.25	2.33	0.008679	0.35	37.50	311.77	0.39
sangiovanni2_ast	94.92	Tr 500	16.70	2.16	2.34	2.26	2.34	0.008832	0.38	41.11	315.71	0.40
sangiovanni2_ast	71.43	Tr 50	10.91	1.72	1.79		1.81	0.044585	0.34	15.71	165.73	0.72
sangiovanni2_ast	71.43	Tr 100	12.62	1.72	1.78		1.82	0.067533	0.51	14.67	148.25	0.93
sangiovanni2_ast	71.43	Tr 200	14.34	1.72	1.78	1.78	1.83	0.094066	0.59	14.27	146.13	1.09
sangiovanni2_ast	71.43	Tr 500	16.70	1.72	1.79	1.79	1.85	0.085409	0.53	16.85	169.59	1.03
sangiovanni2_ast	50.52	Tr 50	10.91	1.24	1.80		1.80	0.000044	0.07	167.78	358.27	0.04
sangiovanni2_ast	50.52	Tr 100	12.62	1.24	1.80		1.80	0.000058	0.09	167.79	358.27	0.04
sangiovanni2_ast	50.52	Tr 200	14.34	1.24	1.80	1.35	1.80	0.000075	0.10	167.81	358.27	0.05
sangiovanni2_ast	50.52	Tr 500	16.70	1.24	1.80	1.36	1.80	0.000102	0.11	167.83	358.27	0.06
sangiovanni2_ast	27.38	Tr 50	10.91	0.66	1.80	0.77	1.80	0.000004	0.04	344.28	347.81	0.01
sangiovanni2_ast	27.38	Tr 100	12.62	0.66	1.80	0.78	1.80	0.000005	0.04	344.28	347.81	0.01
sangiovanni2_ast	27.38	Tr 200	14.34	0.66	1.80	0.79	1.80	0.000007	0.05	344.28	347.81	0.02
sangiovanni2_ast	27.38	Tr 500	16.70	0.66	1.80	0.81	1.80	0.000009	0.06	344.28	347.81	0.02



COMUNE DI ALGHERO (SS)

Studio di compatibilità idraulica ai sensi dell'art. 8 comma 2bis delle N.A. del PAI

Area d'indagine: territorio comunale

SIMULAZIONI IN MOTO PERMANENTE

Gruppo Rio Sa Serra

Aste torrentizie studiate:

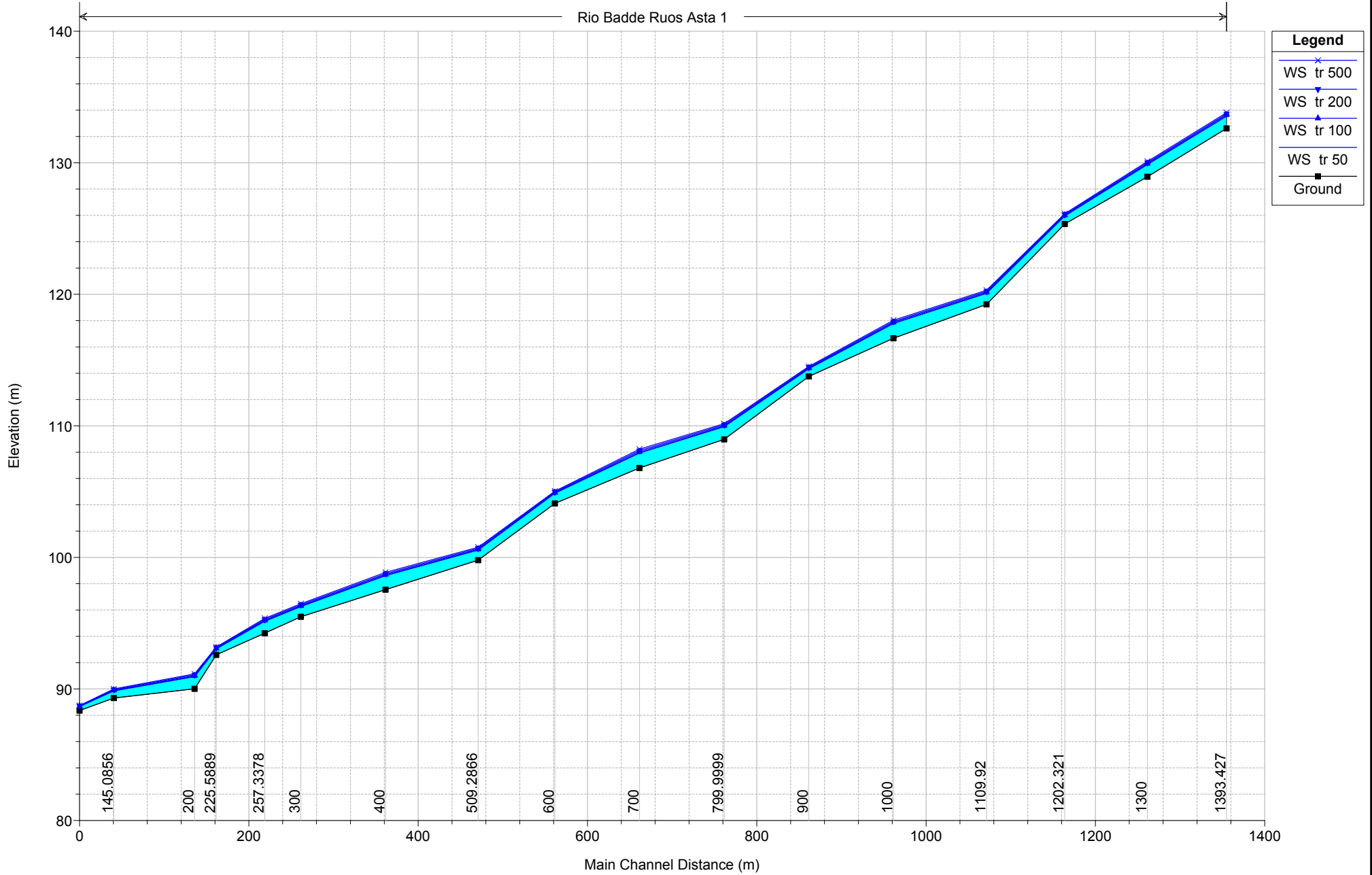
- Rio Badde Ruos
- Rio Guidongias (3 aste)
 - Rio Iscala Mala
 - Rio Serra (5 aste)

- Schemi planimetrici
- Profili longitudinali dei tiranti idrici per le portate con tempi di ritorno di 50-100-200-500 anni
- Sezioni trasversali con i tiranti idrici per le portate con tempi di ritorno di 50-100-200-500 anni
- Tabelle numeriche delle grandezze geometriche e idrauliche di input e output

River	Reach	RS	PORTATE mc/s			
			tr 50	tr 100	tr 200	tr 500
Rio Badde Ruos	Asta 1	1393.427	15.225	18.13	21.107	25.216
Rio Guidongias	Asta 1	7700	10.458	12.145	13.901	16.447
Rio Guidongias	Asta 2 - 3	6745.172	33.418	40.453	47.628	57.292
Rio Guidongias	Asta 2 - 3	4200	49.405	59.451	69.648	83.295
Rio Guidongias	Asta 2 - 3	1606.547	50.319	60.409	70.635	84.302
Riu Iscala Mala	Asta 1-2	2800	151.105	179.316	207.73	245.48
Riu Iscala Mala	Asta 1-2	1300	166.766	197.612	228.653	269.867
Riu Serra	Asta 1-2-3	9285.854	352.557	417.904	483.673	570.998
Riu Serra	Asta 1-2-3	7985.854	356.502	421.825	487.504	574.627
Riu Serra	Asta 4	5148.516	476.811	564.356	652.379	769.134
Riu Serra	Asta 5	3290.571	505.336	598.146	691.463	815.236
Riu Serra	Asta 5	1834.316	508.139	600.211	692.699	815.274

River	Reach	PROFILI	CONDIZIONI AL CONTORNO	
			upstream	downstream
Rio Badde Ruos	Asta 1	tutti	Critical depth	junction=j2
Rio Guidongias	Asta 1	tutti	Critical depth	junction=j2
Rio Guidongias	Asta 2 - 3	tutti	junction=j2	junction=j3
Riu Iscala Mala	Asta 1-2	tutti	Critical depth	junction=j1
Riu Serra	Asta 1-2-3	tutti	Critical depth	junction=j1
Riu Serra	Asta 4	tutti	junction=j1	junction=j3
Riu Serra	Asta 5	tutti	junction=j3	Known WS=1.80 m slm

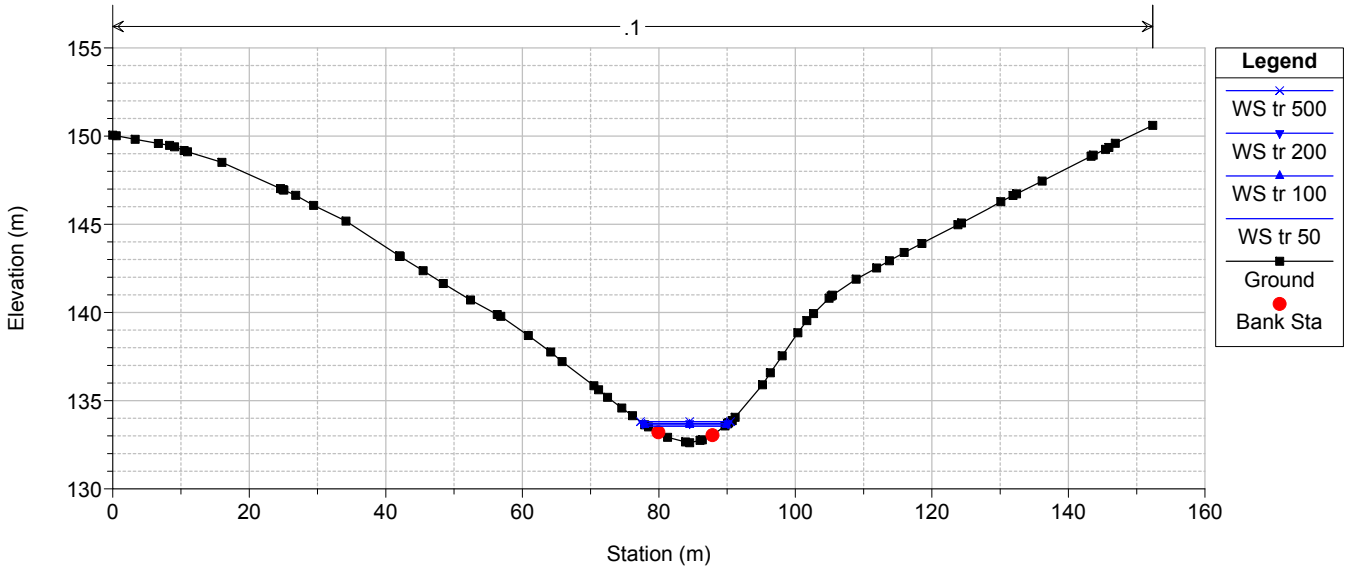
Rio Badde Ruos Asta 1



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

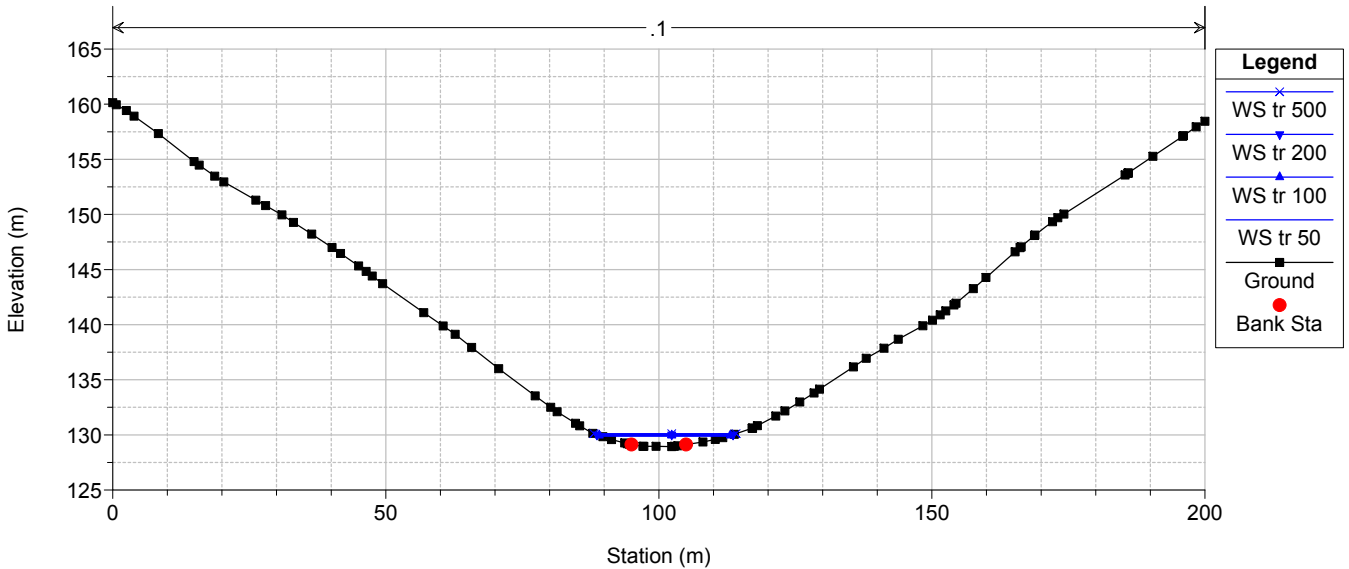
River = Rio Badde Ruos Reach = Asta 1 RS = 1393.427 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

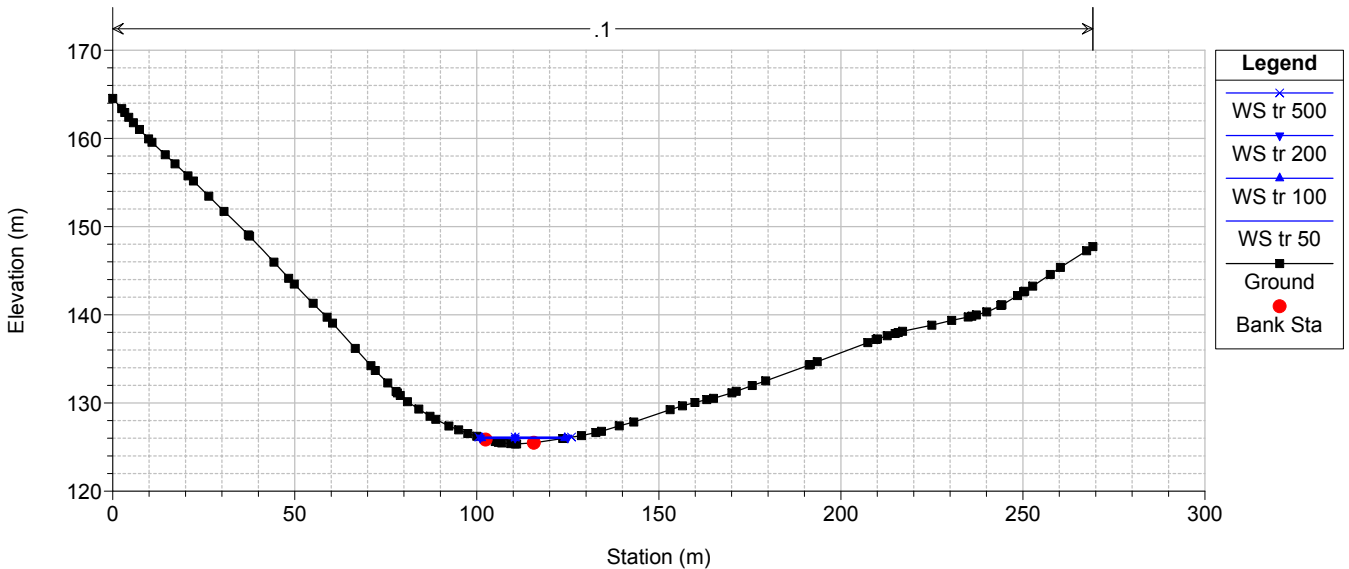
River = Rio Badde Ruos Reach = Asta 1 RS = 1300 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

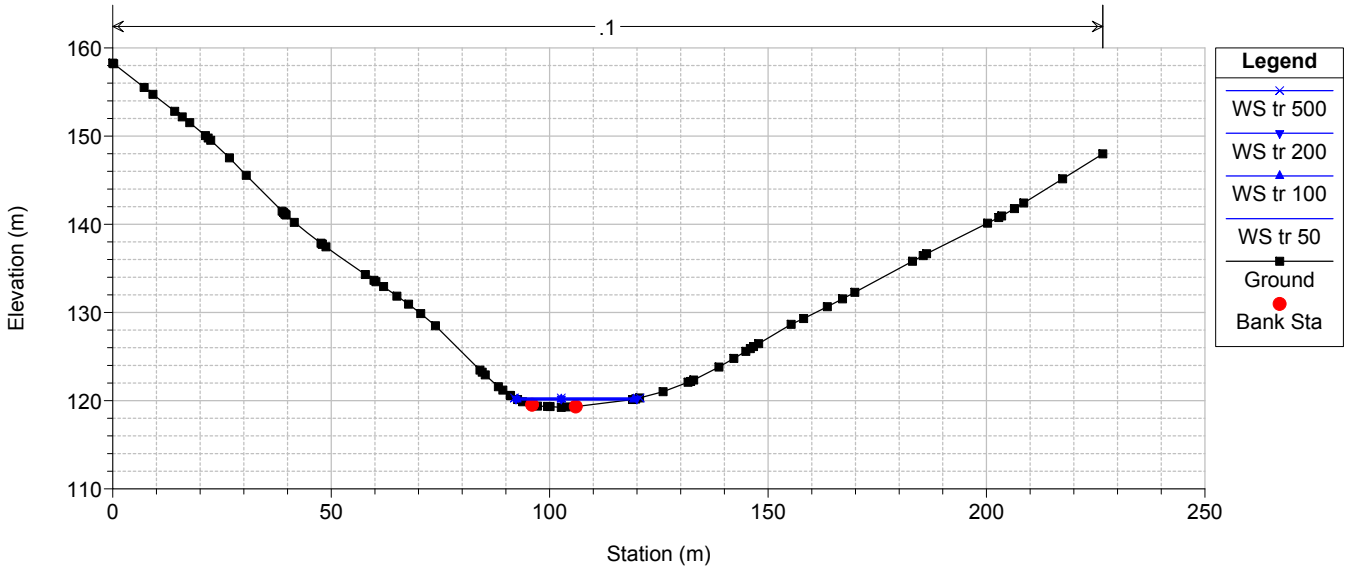
River = Rio Badde Ruos Reach = Asta 1 RS = 1202.321 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

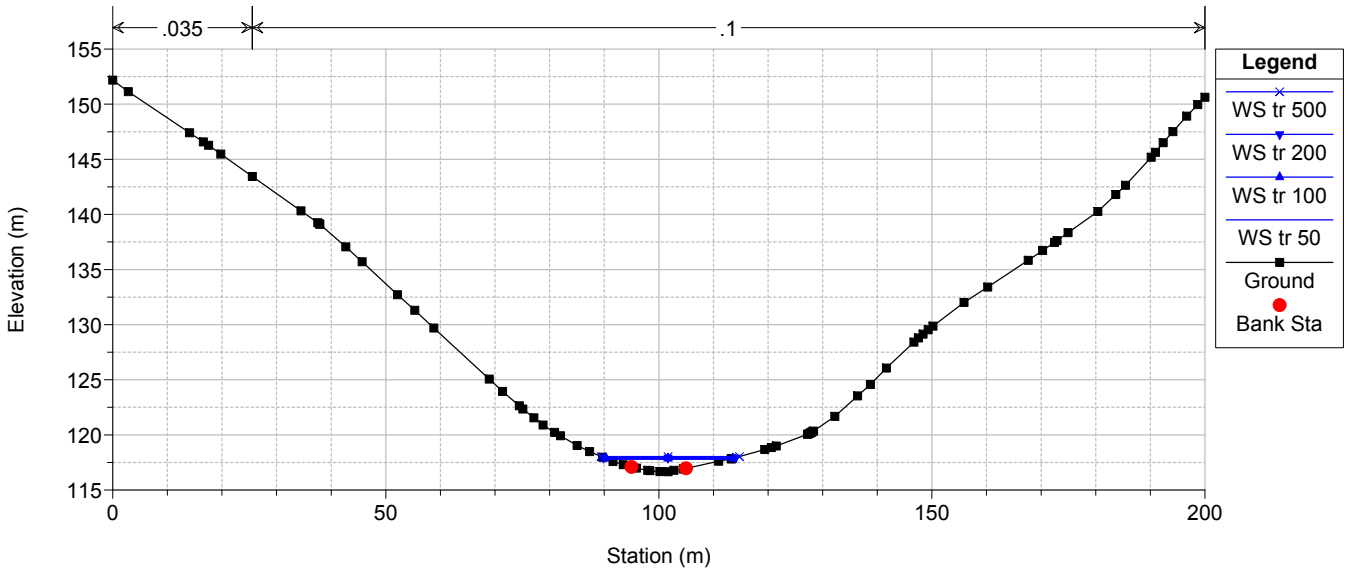
River = Rio Badde Ruos Reach = Asta 1 RS = 1109.92 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

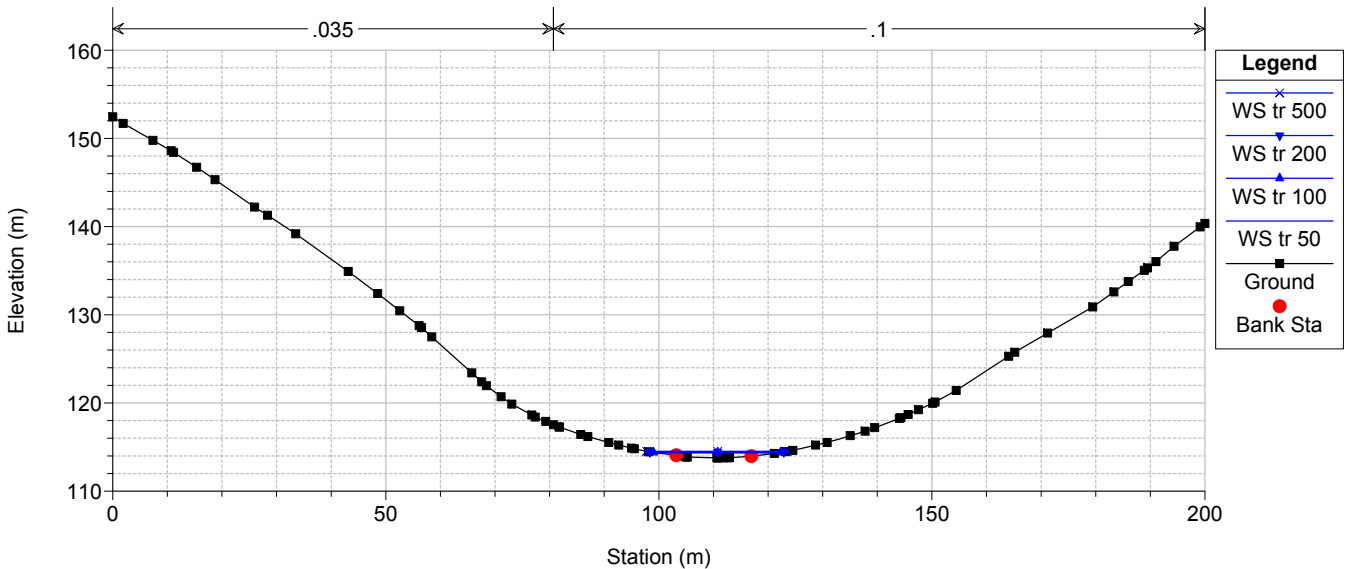
River = Rio Badde Ruos Reach = Asta 1 RS = 1000 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

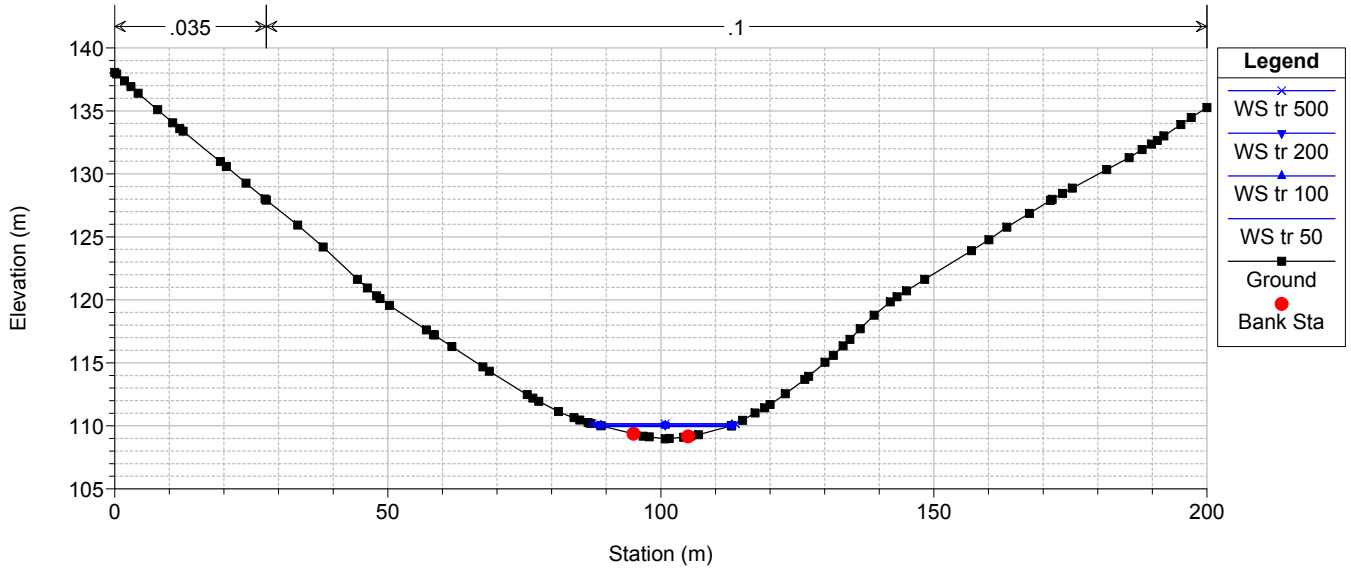
River = Rio Badde Ruos Reach = Asta 1 RS = 900 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

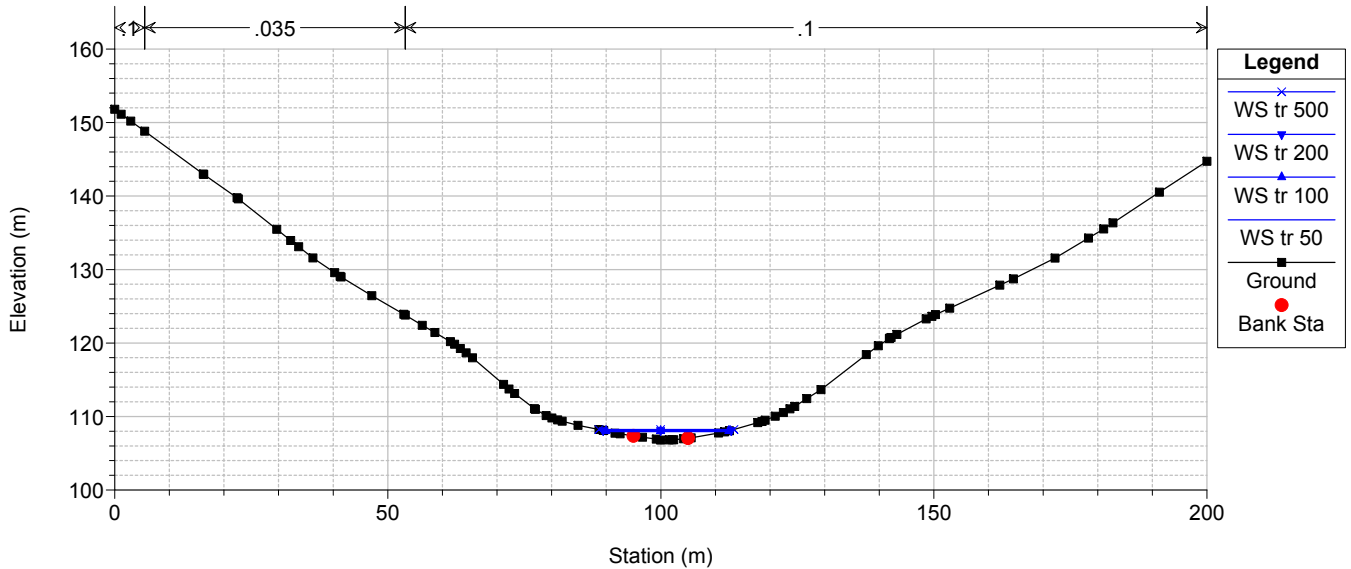
River = Rio Badde Ruos Reach = Asta 1 RS = 799.9999 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

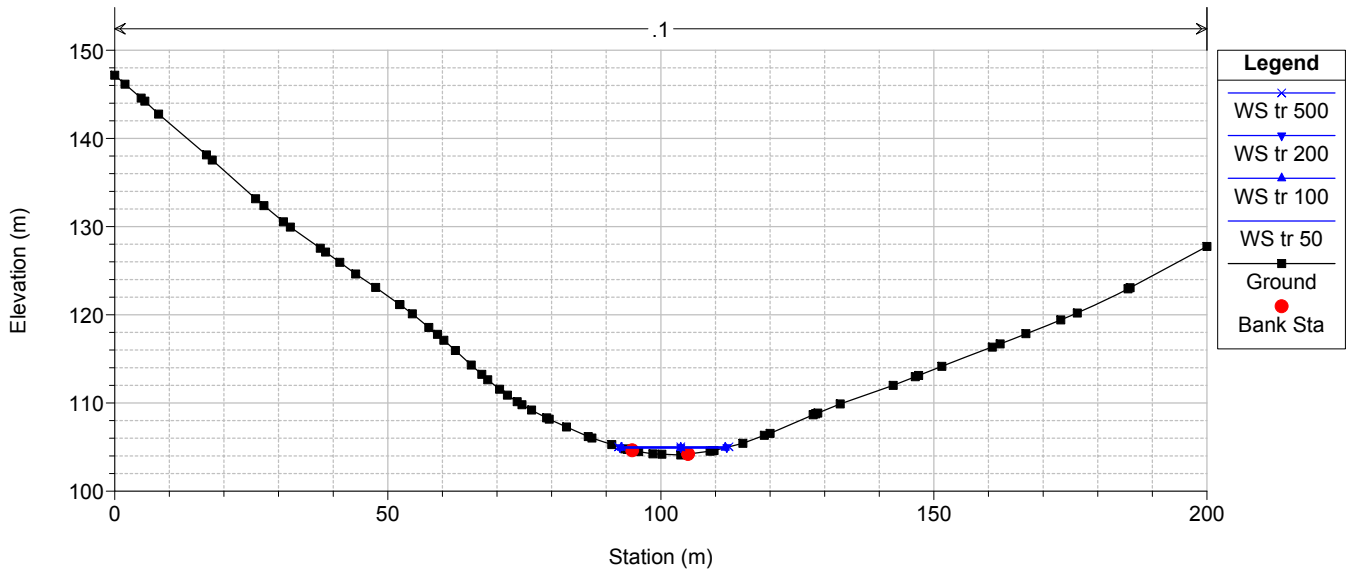
River = Rio Badde Ruos Reach = Asta 1 RS = 700 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

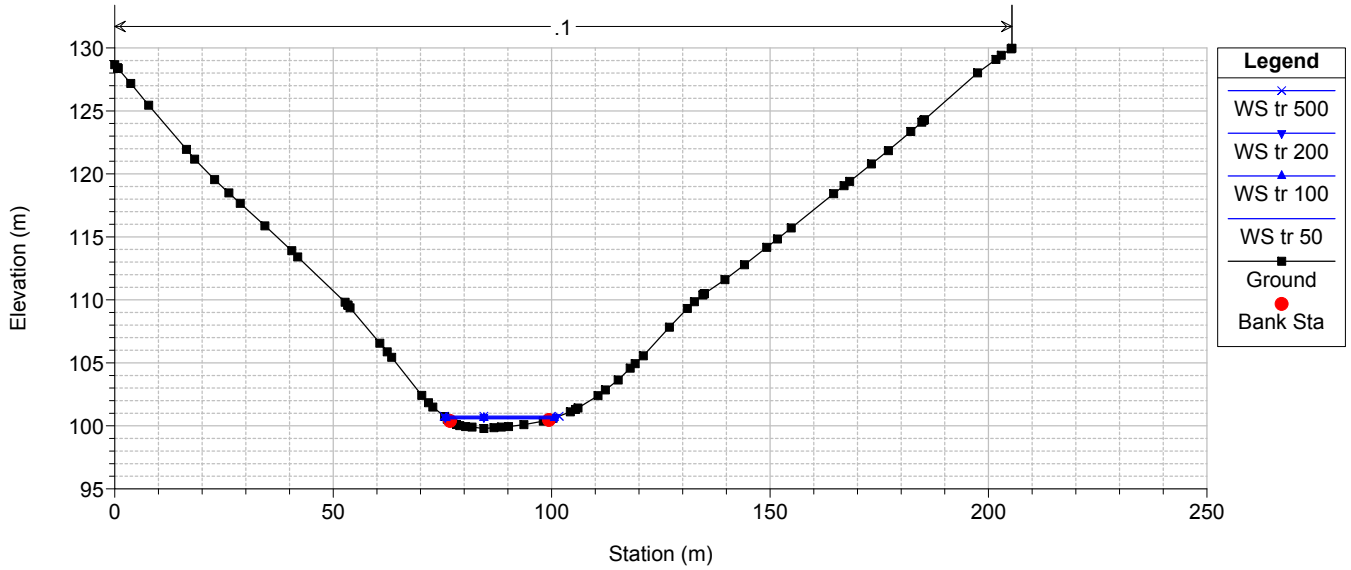
River = Rio Badde Ruos Reach = Asta 1 RS = 600 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

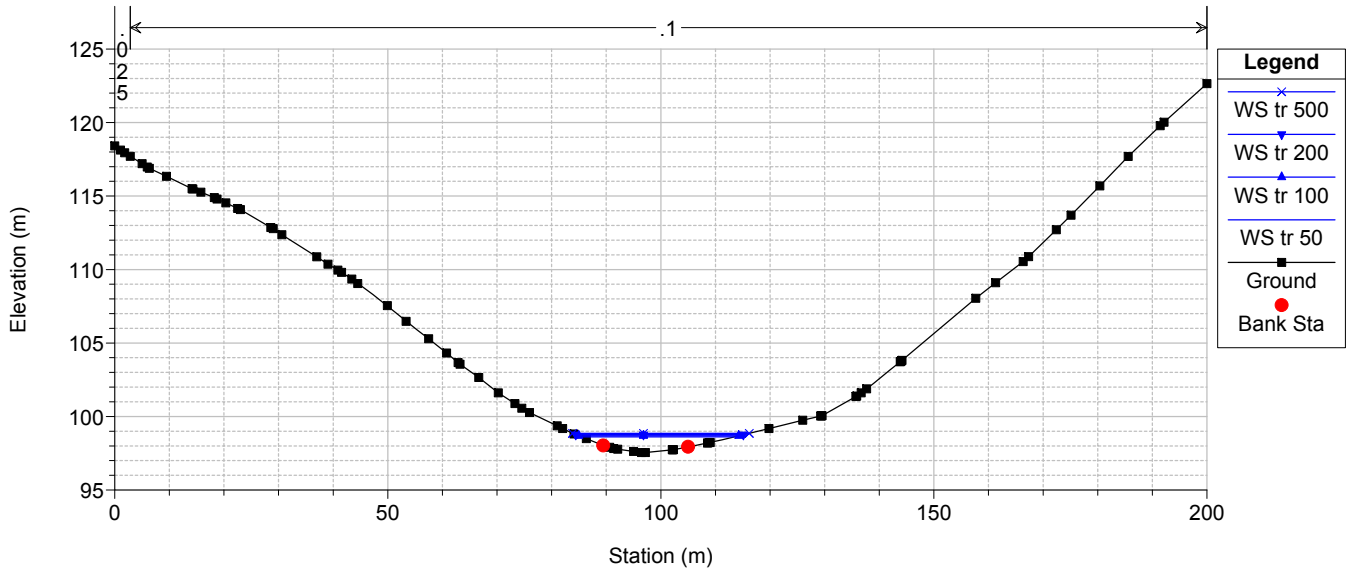
River = Rio Badde Ruos Reach = Asta 1 RS = 509.2866 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

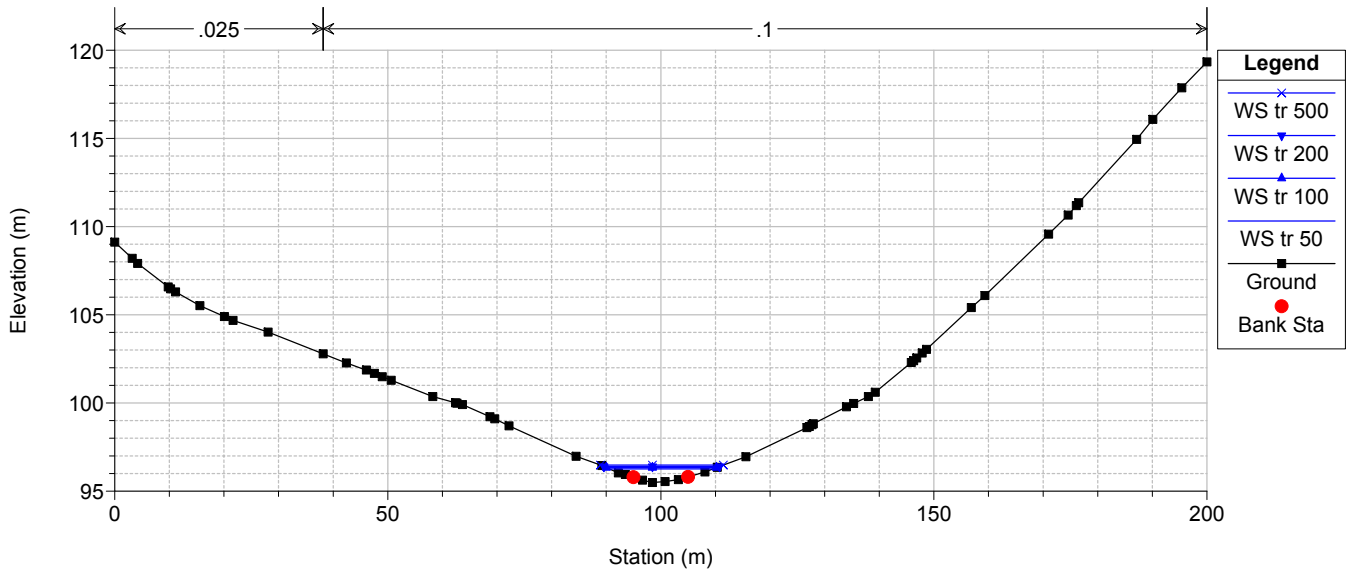
River = Rio Badde Ruos Reach = Asta 1 RS = 400 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

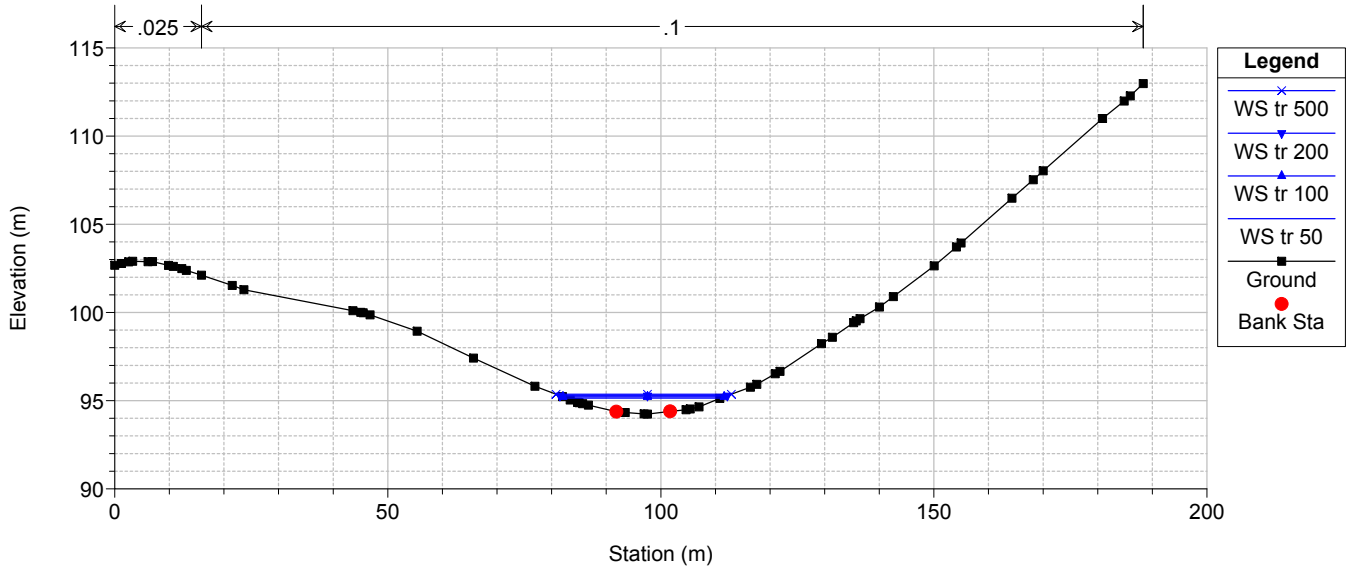
River = Rio Badde Ruos Reach = Asta 1 RS = 300 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

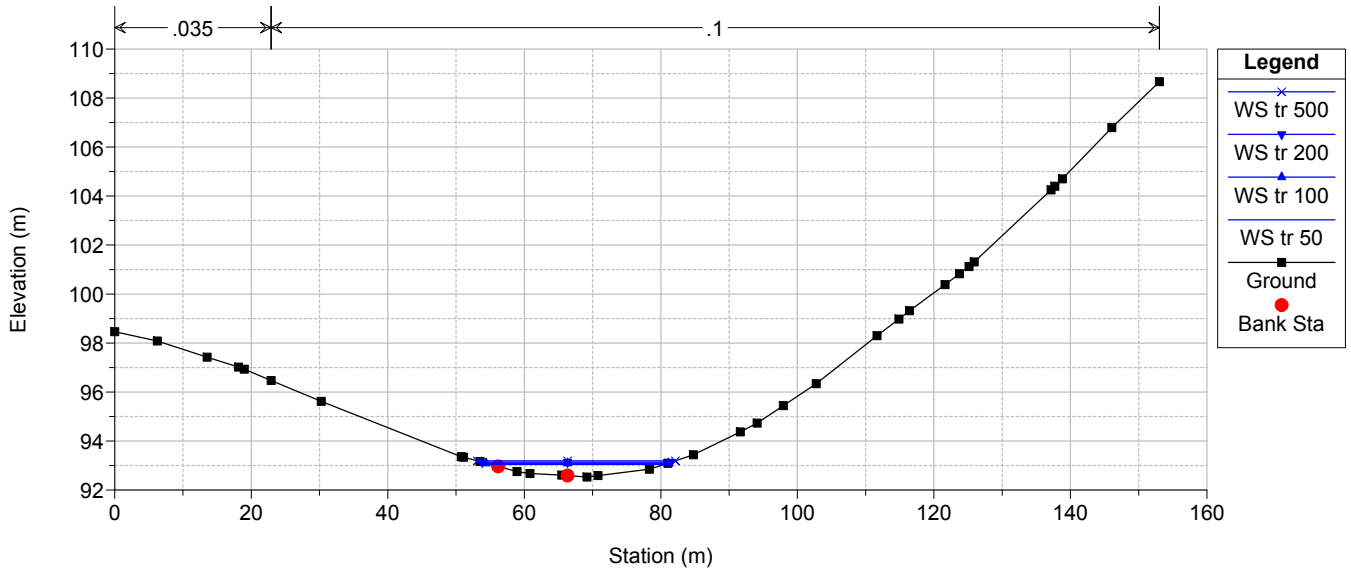
River = Rio Badde Ruos Reach = Asta 1 RS = 257.3378 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

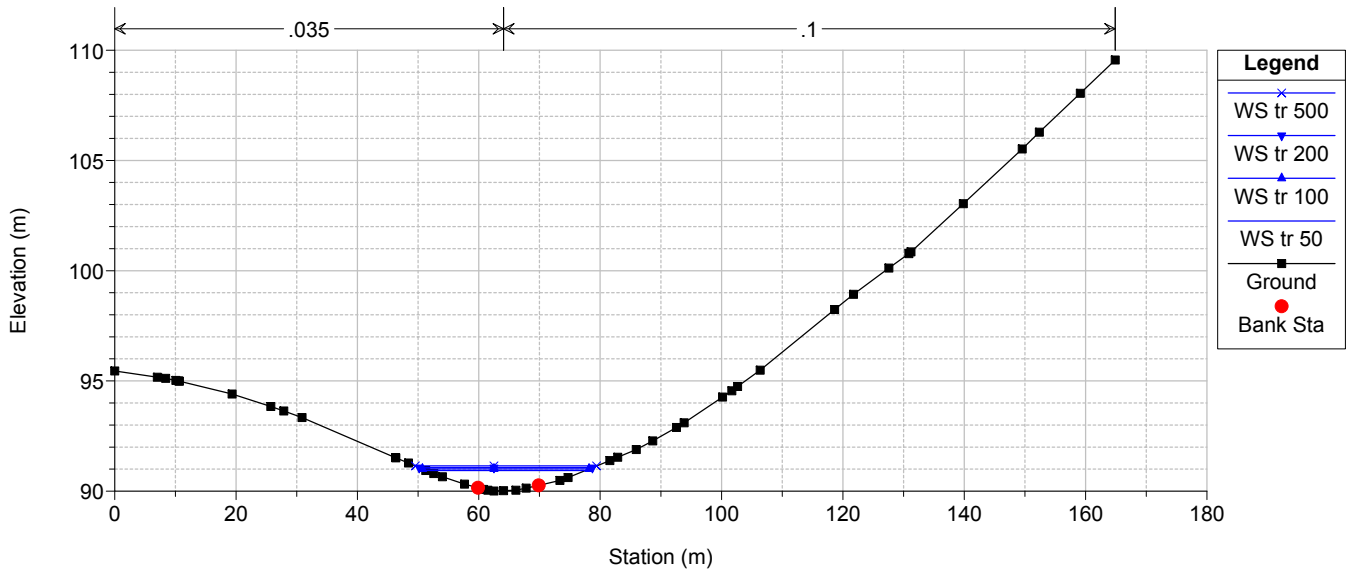
River = Rio Badde Ruos Reach = Asta 1 RS = 225.5889 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

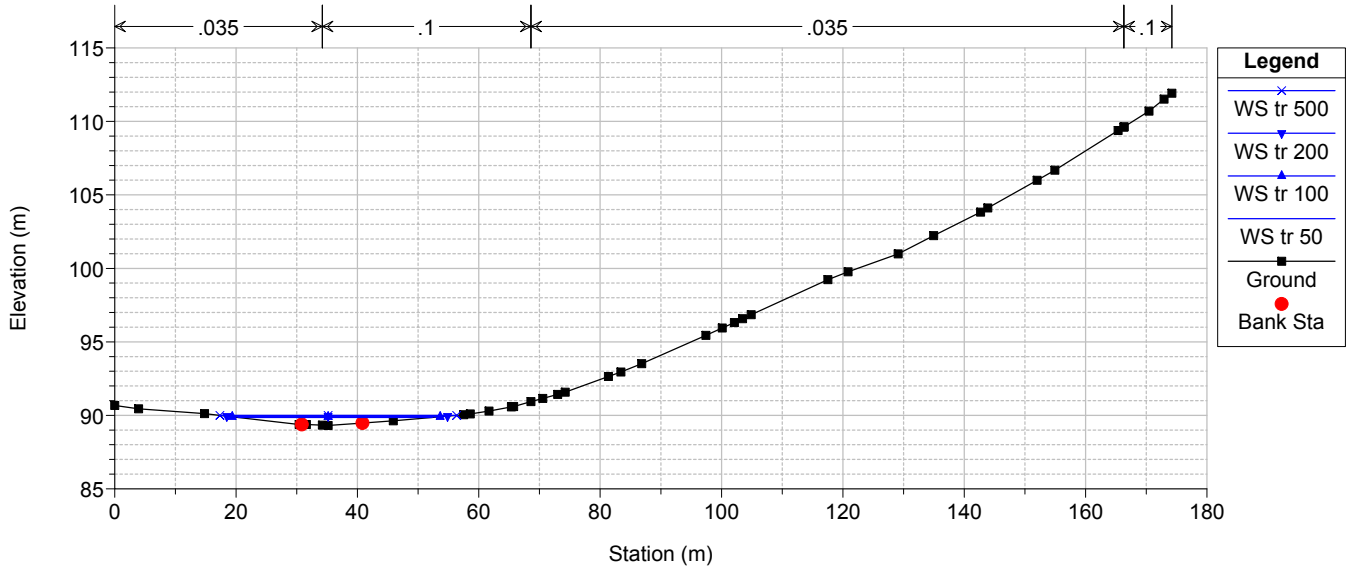
River = Rio Badde Ruos Reach = Asta 1 RS = 200 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

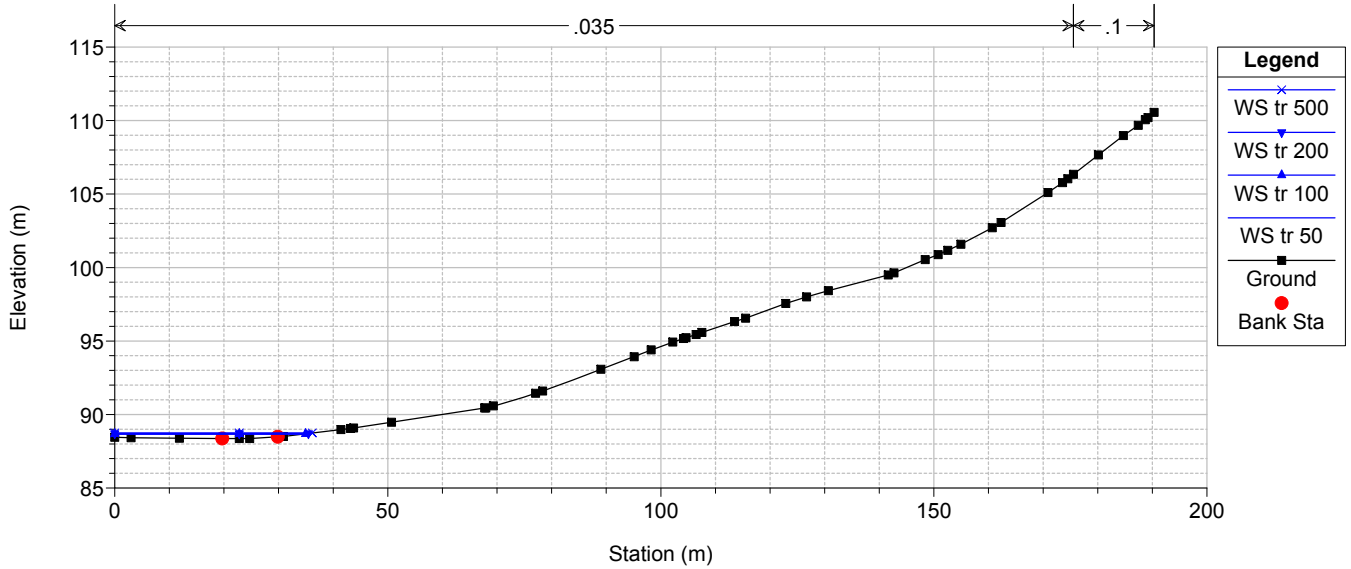
River = Rio Badde Ruos Reach = Asta 1 RS = 145.0856 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

River = Rio Badde Ruos Reach = Asta 1 RS = 104.5972 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2

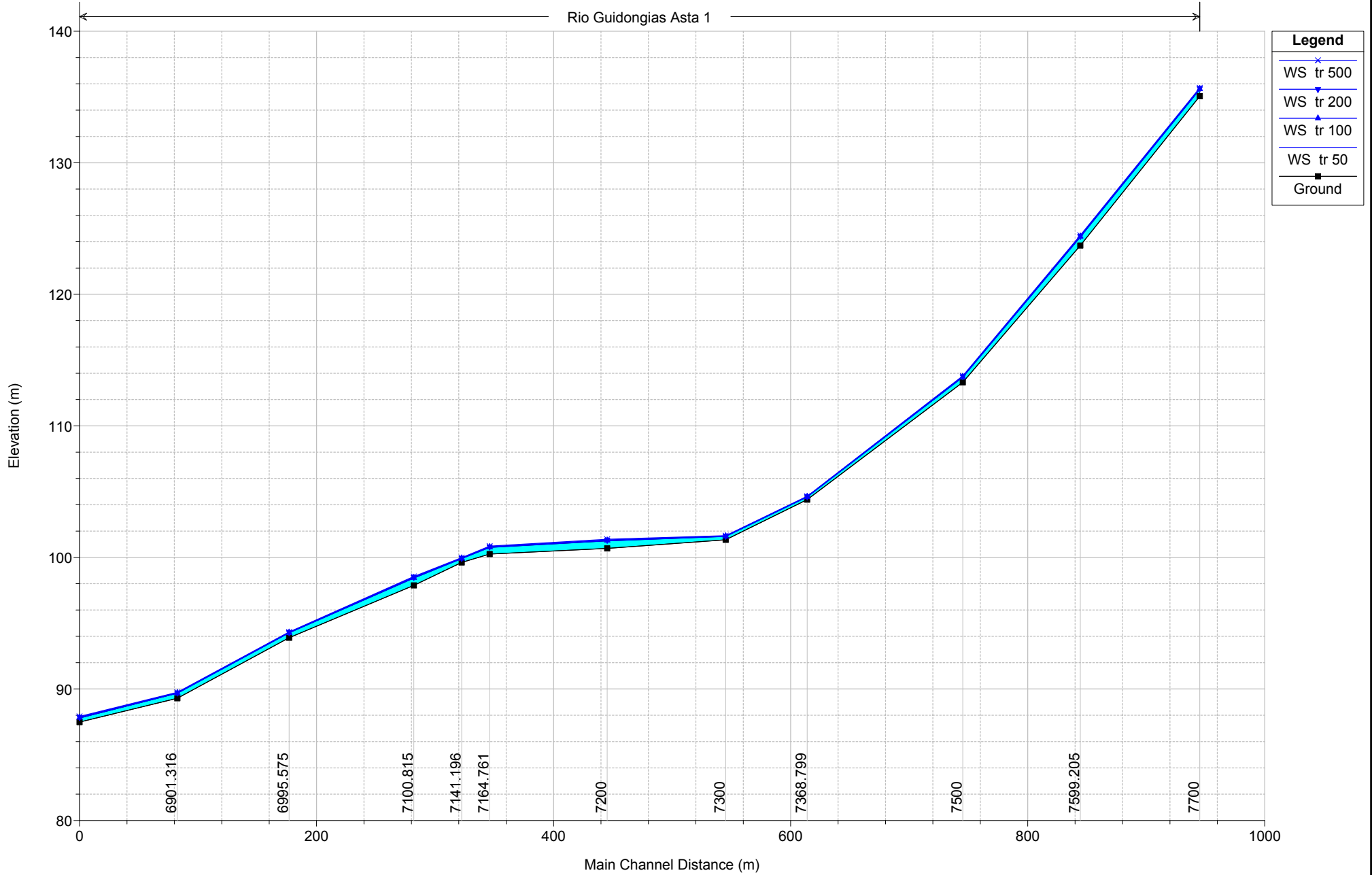


Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta 1	1393.427	tr 50	15.23	132.61	133.55	133.55	133.85	0.098066	2.51	6.47	11.31	0.94
Asta 1	1393.427	tr 100	18.13	132.61	133.63	133.63	133.96	0.092287	2.62	7.47	11.98	0.93
Asta 1	1393.427	tr 200	21.11	132.61	133.71	133.71	134.07	0.089439	2.74	8.41	12.48	0.93
Asta 1	1393.427	tr 500	25.22	132.61	133.81	133.81	134.20	0.086444	2.89	9.65	13.19	0.93
Asta 1	1300	tr 50	15.23	128.94	129.88	129.57	129.94	0.018786	1.26	14.24	23.06	0.43
Asta 1	1300	tr 100	18.13	128.94	129.95	129.63	130.02	0.019232	1.35	15.99	24.03	0.44
Asta 1	1300	tr 200	21.11	128.94	130.02	129.69	130.10	0.019735	1.43	17.65	24.93	0.45
Asta 1	1300	tr 500	25.22	128.94	130.11	129.76	130.20	0.020107	1.52	19.90	26.03	0.46
Asta 1	1202.321	tr 50	15.23	125.35	125.96	125.96	126.16	0.117418	2.07	8.07	21.67	0.96
Asta 1	1202.321	tr 100	18.13	125.35	126.02	126.02	126.23	0.111644	2.17	9.26	22.88	0.96
Asta 1	1202.321	tr 200	21.11	125.35	126.07	126.07	126.30	0.105854	2.25	10.49	24.07	0.95
Asta 1	1202.321	tr 500	25.22	125.35	126.13	126.13	126.38	0.102427	2.37	12.04	25.47	0.95
Asta 1	1109.92	tr 50	15.23	119.23	120.08	119.87	120.16	0.029097	1.41	12.94	25.25	0.52
Asta 1	1109.92	tr 100	18.13	119.23	120.15	119.93	120.24	0.027979	1.47	14.89	26.69	0.52
Asta 1	1109.92	tr 200	21.11	119.23	120.22	119.98	120.32	0.026897	1.52	16.80	27.68	0.51
Asta 1	1109.92	tr 500	25.22	119.23	120.31	120.04	120.41	0.025835	1.59	19.27	28.70	0.51
Asta 1	1000	tr 50	15.23	116.66	117.78		117.85	0.015798	1.23	14.52	22.19	0.40
Asta 1	1000	tr 100	18.13	116.66	117.86		117.94	0.016177	1.32	16.36	23.31	0.41
Asta 1	1000	tr 200	21.11	116.66	117.94		118.02	0.016592	1.40	18.11	24.21	0.42
Asta 1	1000	tr 500	25.22	116.66	118.03	117.62	118.12	0.017020	1.49	20.42	25.34	0.43
Asta 1	900	tr 50	15.23	113.76	114.34	114.34	114.54	0.106766	2.04	8.18	22.03	0.93
Asta 1	900	tr 100	18.13	113.76	114.40	114.40	114.61	0.102593	2.14	9.40	23.29	0.92
Asta 1	900	tr 200	21.11	113.76	114.45	114.45	114.68	0.098029	2.22	10.65	24.52	0.92
Asta 1	900	tr 500	25.22	113.76	114.52	114.52	114.76	0.093733	2.33	12.29	25.78	0.91
Asta 1	799.9999	tr 50	15.23	108.97	109.94	109.68	110.02	0.024056	1.38	12.97	22.57	0.48
Asta 1	799.9999	tr 100	18.13	108.97	110.01	109.74	110.10	0.024317	1.46	14.69	23.88	0.49
Asta 1	799.9999	tr 200	21.11	108.97	110.08	109.80	110.18	0.024443	1.54	16.36	24.90	0.50
Asta 1	799.9999	tr 500	25.22	108.97	110.17	109.87	110.28	0.024534	1.63	18.58	26.22	0.50
Asta 1	700	tr 50	15.23	106.80	107.94		108.01	0.016911	1.26	14.10	21.43	0.41
Asta 1	700	tr 100	18.13	106.80	108.03	107.65	108.11	0.016497	1.32	16.13	22.50	0.41
Asta 1	700	tr 200	21.11	106.80	108.12	107.72	108.20	0.016223	1.38	18.10	23.43	0.41
Asta 1	700	tr 500	25.22	106.80	108.23		108.32	0.015918	1.45	20.72	24.70	0.42
Asta 1	600	tr 50	15.23	104.10	104.88		105.03	0.064544	1.85	9.09	18.49	0.75
Asta 1	600	tr 100	18.13	104.10	104.93	104.85	105.11	0.069131	2.01	10.01	19.05	0.78
Asta 1	600	tr 200	21.11	104.10	104.98	104.91	105.18	0.072808	2.16	10.91	19.58	0.81
Asta 1	600	tr 500	25.22	104.10	105.03	104.98	105.28	0.077339	2.34	12.08	20.24	0.85
Asta 1	509.2866	tr 50	15.23	99.79	100.56		100.64	0.037464	1.27	12.10	24.08	0.55
Asta 1	509.2866	tr 100	18.13	99.79	100.63		100.72	0.035497	1.33	13.74	24.77	0.55
Asta 1	509.2866	tr 200	21.11	99.79	100.69		100.79	0.034181	1.40	15.32	25.44	0.55
Asta 1	509.2866	tr 500	25.22	99.79	100.77		100.88	0.032818	1.48	17.42	26.31	0.55
Asta 1	400	tr 50	15.23	97.55	98.61		98.65	0.010605	0.95	17.95	27.84	0.32
Asta 1	400	tr 100	18.13	97.55	98.69		98.74	0.010845	1.02	20.20	29.30	0.33
Asta 1	400	tr 200	21.11	97.55	98.77		98.82	0.011002	1.08	22.44	30.69	0.34
Asta 1	400	tr 500	25.22	97.55	98.86		98.92	0.011181	1.15	25.40	32.35	0.34
Asta 1	300	tr 50	15.23	95.49	96.26	96.21	96.44	0.069517	1.98	8.77	19.06	0.78
Asta 1	300	tr 100	18.13	95.49	96.33	96.27	96.52	0.066271	2.07	10.12	20.16	0.78
Asta 1	300	tr 200	21.11	95.49	96.40	96.33	96.60	0.064206	2.15	11.43	21.17	0.78
Asta 1	300	tr 500	25.22	95.49	96.48	96.41	96.70	0.061958	2.25	13.18	22.50	0.77
Asta 1	257.3378	tr 50	15.23	94.24	95.15	94.83	95.20	0.015244	1.10	16.68	28.39	0.38
Asta 1	257.3378	tr 100	18.13	94.24	95.22	94.88	95.27	0.015681	1.18	18.68	29.50	0.39
Asta 1	257.3378	tr 200	21.11	94.24	95.28	94.93	95.34	0.015934	1.24	20.69	30.66	0.40
Asta 1	257.3378	tr 500	25.22	94.24	95.37	94.99	95.43	0.016378	1.33	23.26	32.08	0.41
Asta 1	225.5889	tr 50	15.23	92.59	93.05	93.05	93.22	0.141137	1.83	8.35	25.54	1.00
Asta 1	225.5889	tr 100	18.13	92.59	93.09	93.09	93.28	0.133210	1.93	9.57	26.69	0.99
Asta 1	225.5889	tr 200	21.11	92.59	93.13	93.13	93.34	0.129805	2.04	10.69	27.68	1.00
Asta 1	225.5889	tr 500	25.22	92.59	93.19	93.19	93.41	0.123719	2.16	12.26	29.01	0.99
Asta 1	200	tr 50	15.23	90.01	90.94	90.64	91.00	0.005016	1.17	15.12	26.28	0.40
Asta 1	200	tr 100	18.13	90.01	91.01	90.70	91.08	0.005189	1.25	16.95	27.47	0.41
Asta 1	200	tr 200	21.11	90.01	91.07	90.75	91.15	0.005384	1.33	18.67	28.54	0.43
Asta 1	200	tr 500	25.22	90.01	91.14	90.82	91.24	0.005633	1.42	20.90	29.86	0.44
Asta 1	145.0856	tr 50	15.23	89.31	89.86	89.86	90.02	0.031009	1.80	9.70	32.02	0.83
Asta 1	145.0856	tr 100	18.13	89.31	89.90	89.90	90.08	0.029946	1.87	11.21	34.27	0.82
Asta 1	145.0856	tr 200	21.11	89.31	89.95	89.95	90.14	0.029023	1.94	12.73	36.38	0.82
Asta 1	145.0856	tr 500	25.22	89.31	90.00	90.00	90.20	0.028089	2.02	14.74	39.01	0.82
Asta 1	104.5972	tr 50	15.23	88.36	88.66	88.69	88.84	0.026197	1.91	8.28	34.35	1.18
Asta 1	104.5972	tr 100	18.13	88.36	88.69	88.73	88.89	0.027105	2.06	9.15	34.93	1.22
Asta 1	104.5972	tr 200	21.11	88.36	88.71	88.76	88.95	0.027916	2.21	9.99	35.47	1.26

HEC-RAS Plan: Plan 01 River: Rio Badde Ruos Reach: Asta 1 (Continued)

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
Asta 1	104.5972	tr 500	25.22	88.36	88.74	88.81	89.01	0.028755	2.38	11.09	36.18	1.30

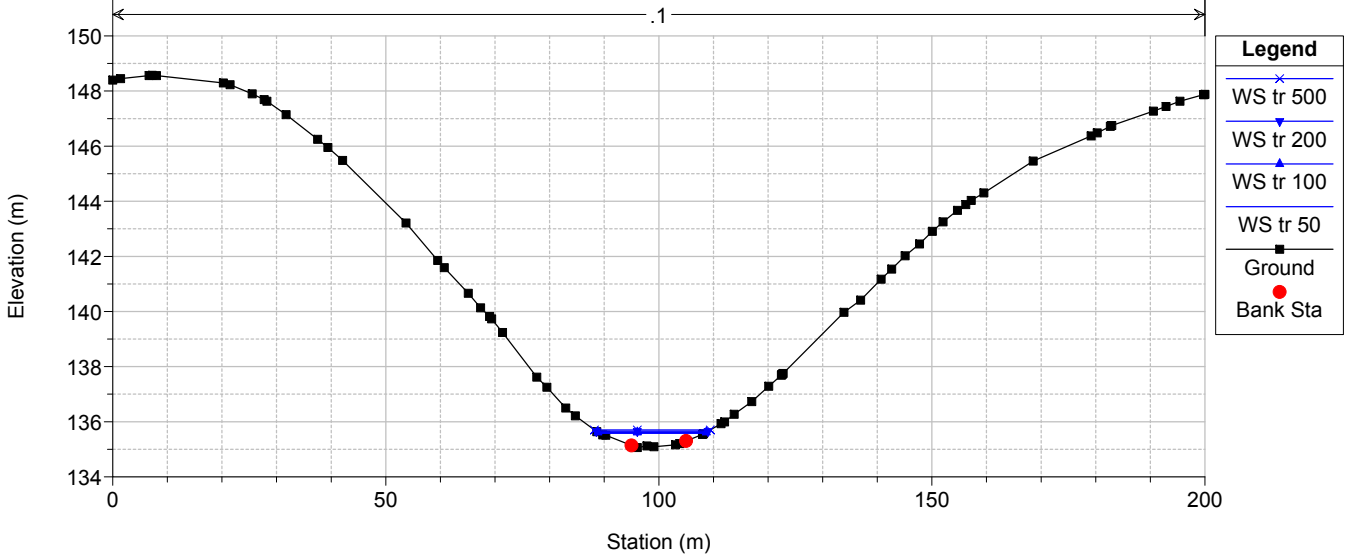
Rio Guidongias Asta 1



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

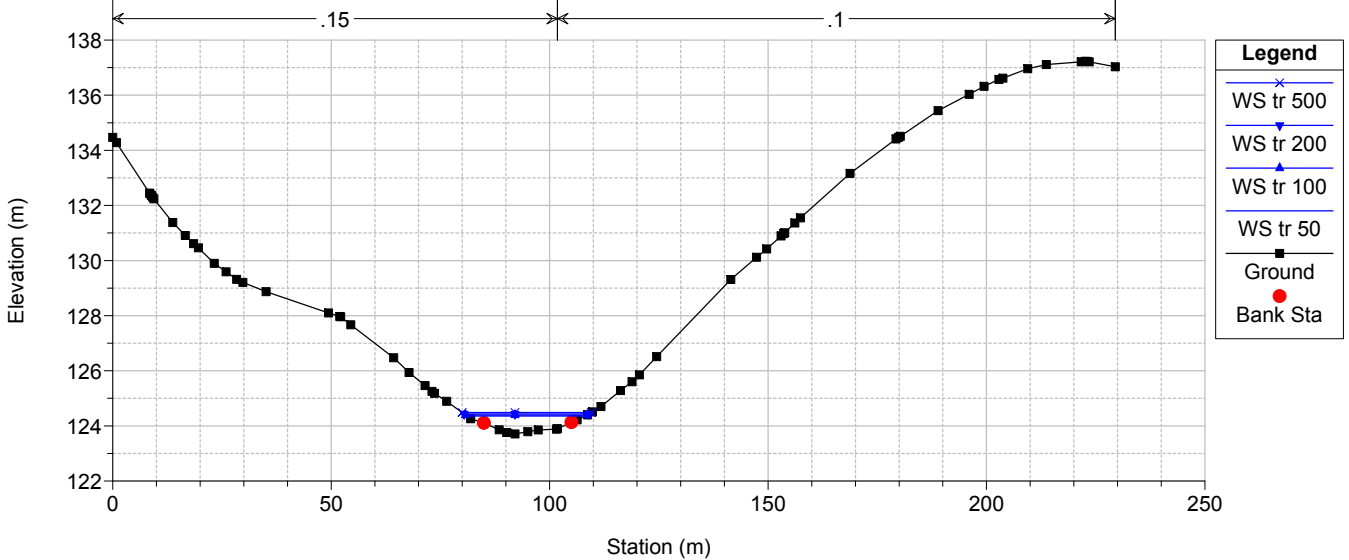
River = Rio Guidongias Reach = Asta 1 RS = 7700 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

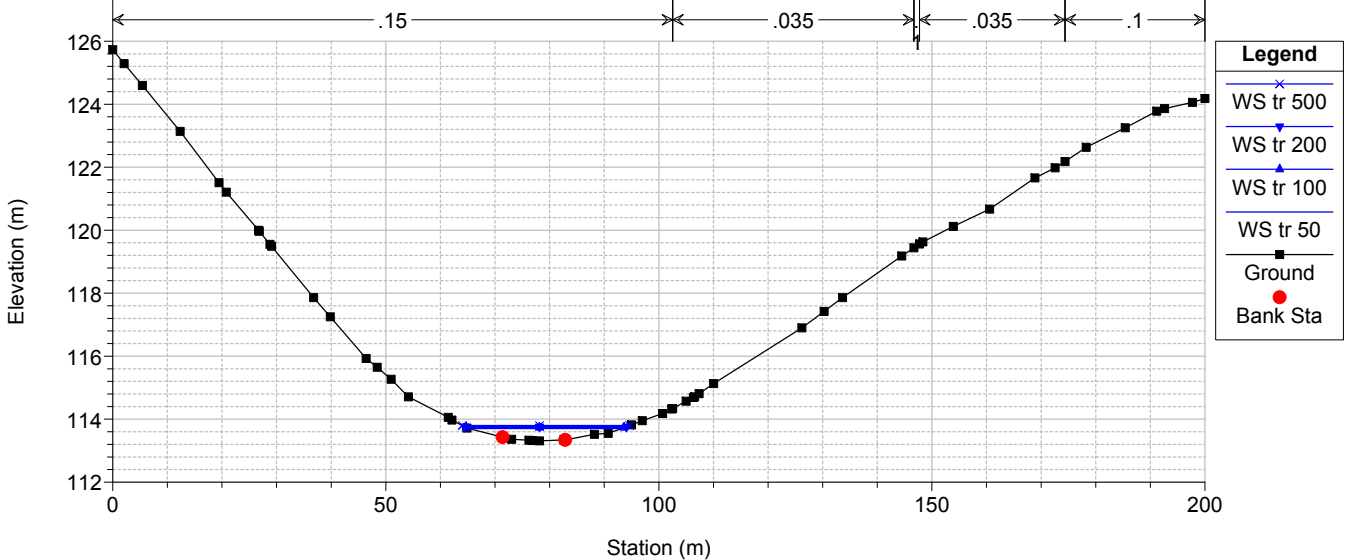
River = Rio Guidongias Reach = Asta 1 RS = 7599.205 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

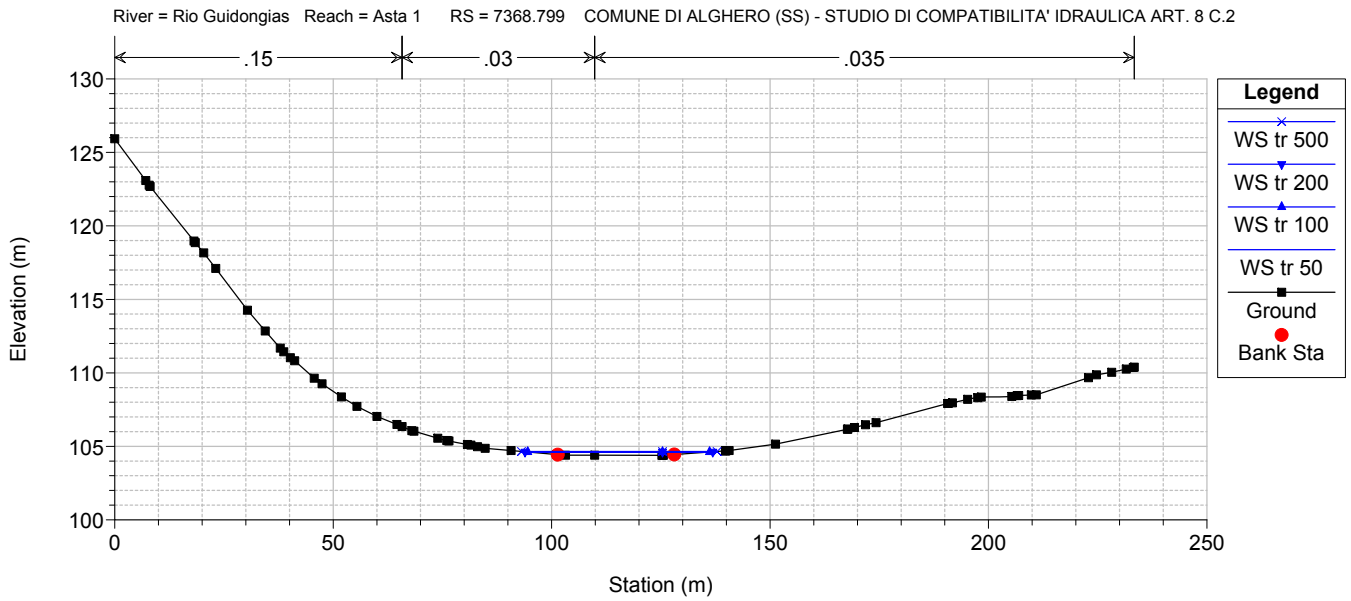
River = Rio Guidongias Reach = Asta 1 RS = 7500 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

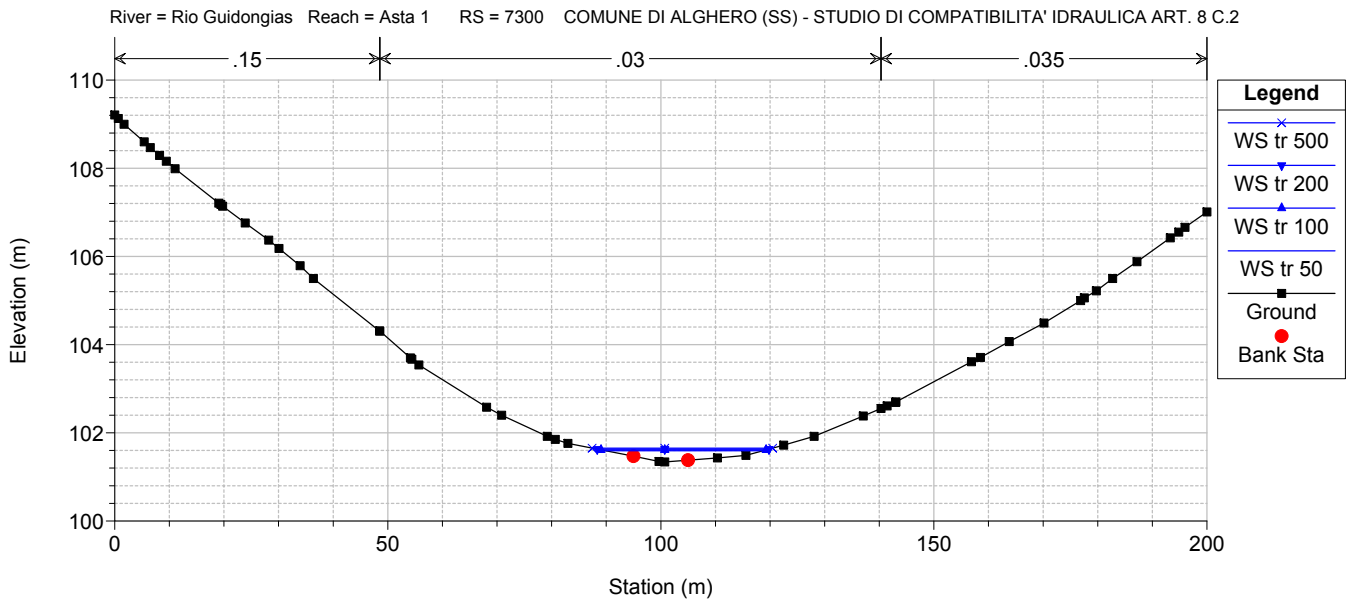
River = Rio Guidongias Reach = Asta 1 RS = 7368.799 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

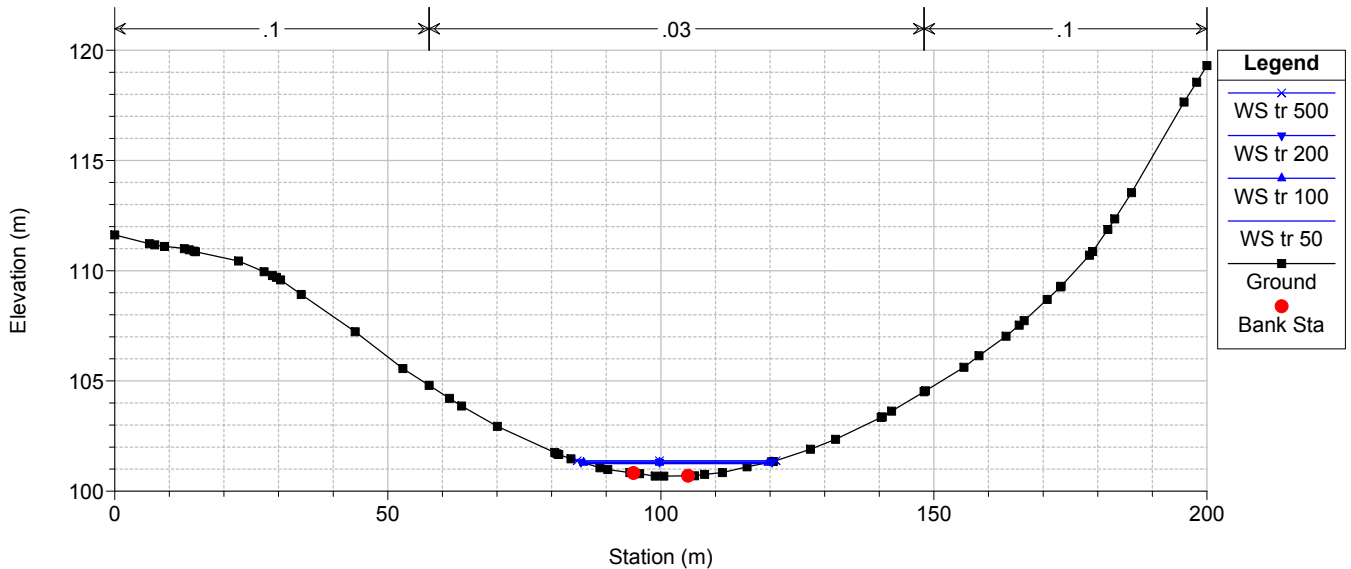
River = Rio Guidongias Reach = Asta 1 RS = 7300 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

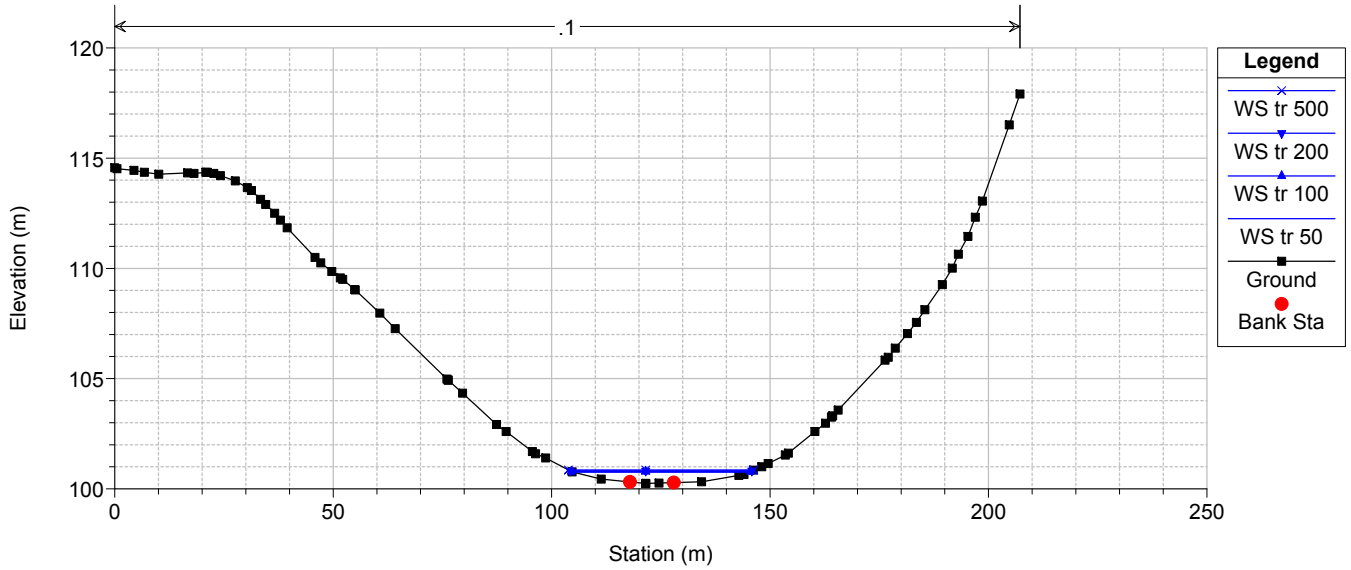
River = Rio Guidongias Reach = Asta 1 RS = 7200 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

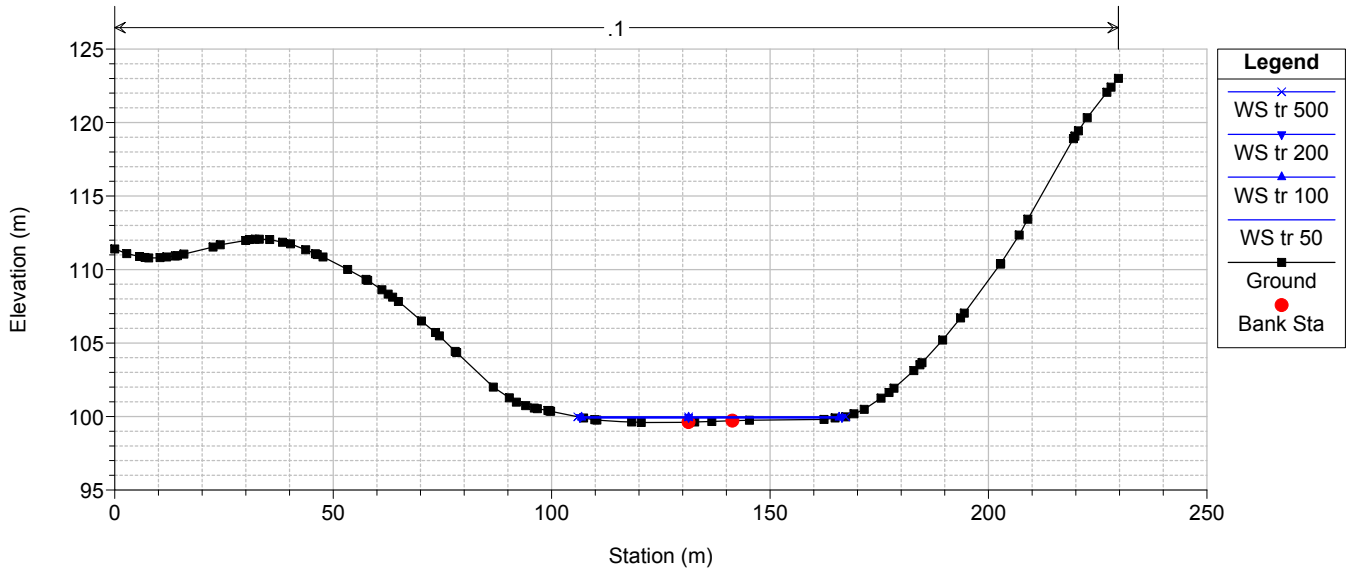
River = Rio Guidongias Reach = Asta 1 RS = 7164.761 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

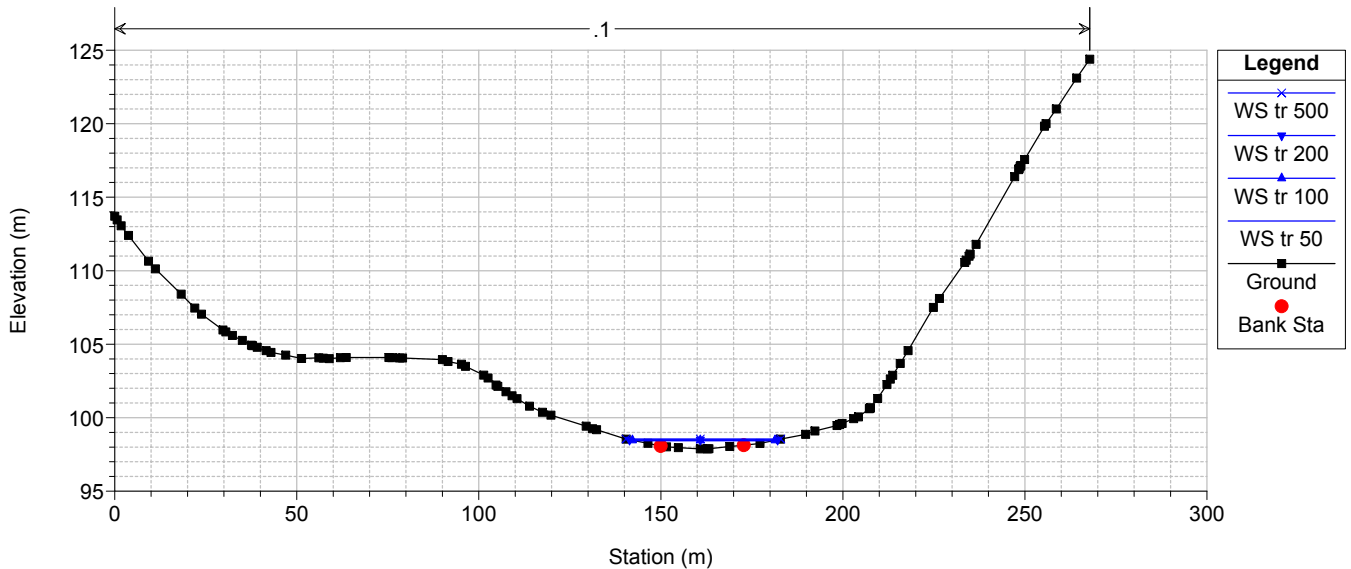
River = Rio Guidongias Reach = Asta 1 RS = 7141.196 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

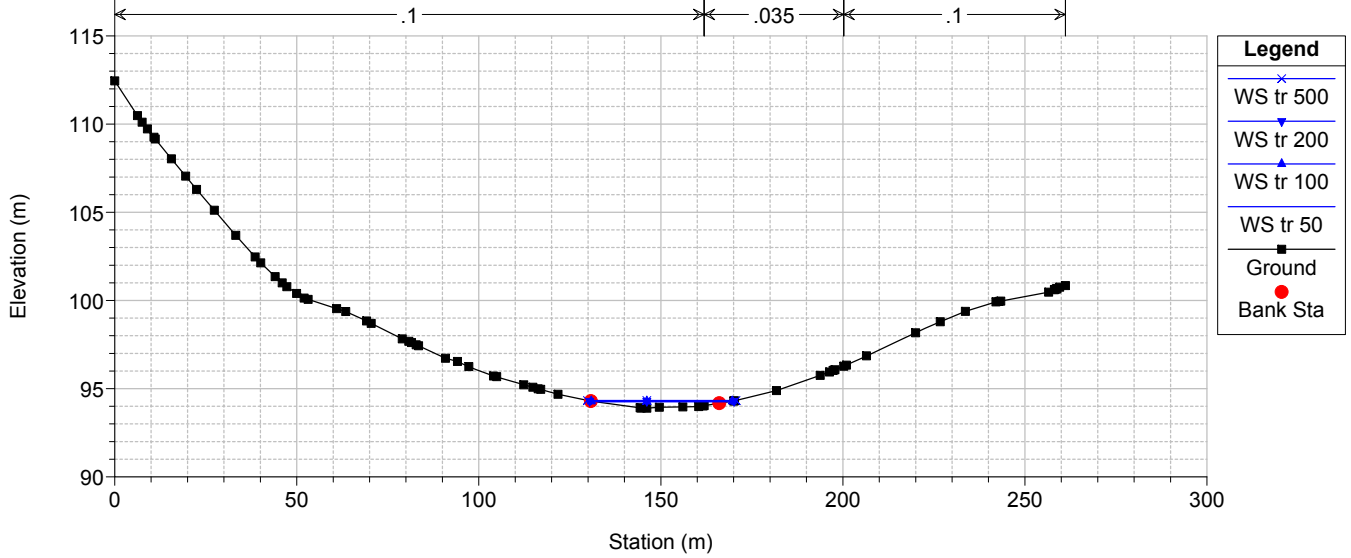
River = Rio Guidongias Reach = Asta 1 RS = 7100.815 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

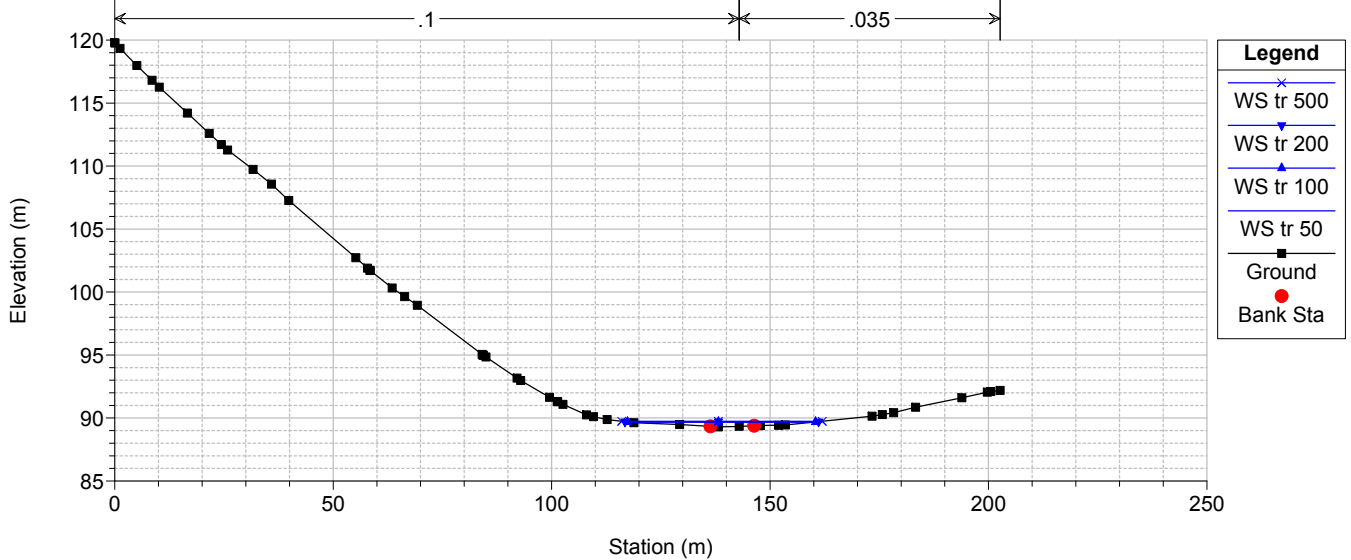
River = Rio Guidongias Reach = Asta 1 RS = 6995.575 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

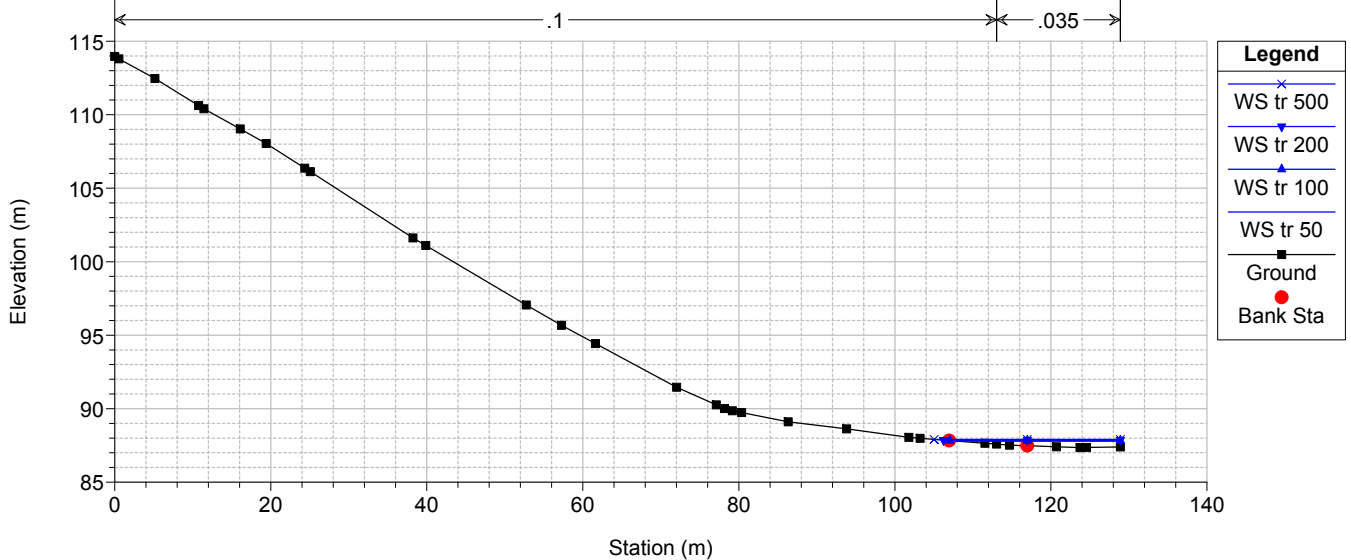
River = Rio Guidongias Reach = Asta 1 RS = 6901.316 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

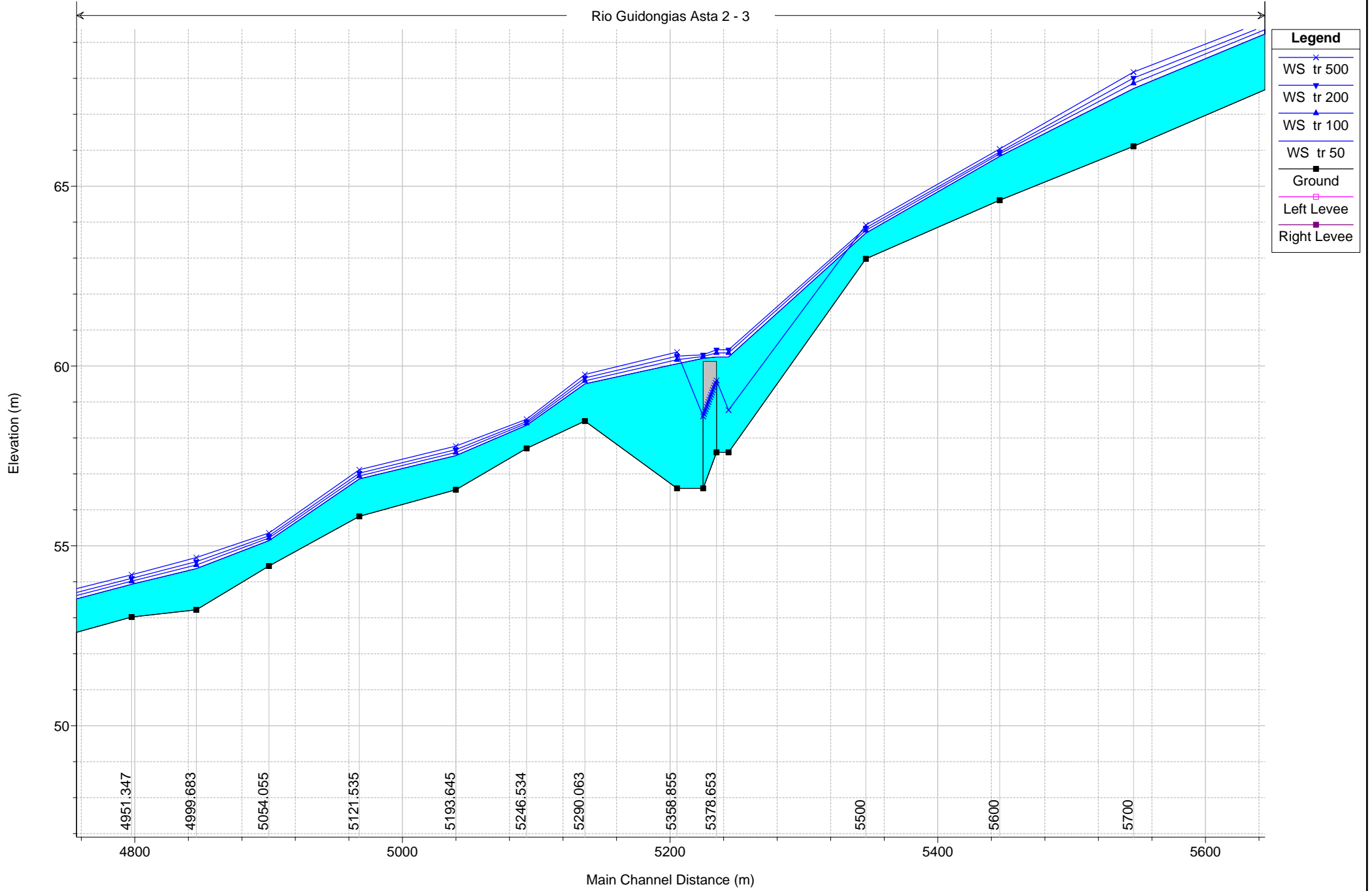
River = Rio Guidongias Reach = Asta 1 RS = 6818.769 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



HEC-RAS Plan: Plan 01 River: Rio Guidongias Reach: Asta 1

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
Asta 1	7700	tr 50	10.46	135.06	135.58	135.58	135.74	0.108333	1.92	6.19	19.17	0.92
Asta 1	7700	tr 100	12.15	135.06	135.62	135.62	135.79	0.106408	2.01	6.92	19.83	0.92
Asta 1	7700	tr 200	13.90	135.06	135.65	135.65	135.84	0.104018	2.08	7.66	20.46	0.92
Asta 1	7700	tr 500	16.45	135.06	135.70	135.70	135.91	0.102156	2.19	8.67	21.21	0.93
Asta 1	7599.205	tr 50	10.46	123.71	124.36	124.18	124.41	0.056513	1.03	10.63	26.99	0.47
Asta 1	7599.205	tr 100	12.15	123.71	124.39	124.21	124.45	0.057512	1.10	11.69	27.84	0.48
Asta 1	7599.205	tr 200	13.90	123.71	124.43	124.24	124.50	0.058151	1.15	12.76	28.58	0.49
Asta 1	7599.205	tr 500	16.45	123.71	124.49	124.29	124.56	0.058108	1.23	14.29	29.59	0.50
Asta 1	7500	tr 50	10.46	113.31	113.70	113.70	113.83	0.268373	1.75	7.03	27.86	0.93
Asta 1	7500	tr 100	12.15	113.31	113.73	113.73	113.87	0.258613	1.82	7.91	28.90	0.93
Asta 1	7500	tr 200	13.90	113.31	113.76	113.76	113.91	0.253407	1.89	8.75	29.67	0.93
Asta 1	7500	tr 500	16.45	113.31	113.80	113.80	113.96	0.254314	2.00	9.83	30.62	0.94
Asta 1	7368.799	tr 50	10.46	104.39	104.60	104.64	104.75	0.030873	1.79	6.33	40.26	1.28
Asta 1	7368.799	tr 100	12.15	104.39	104.61	104.66	104.78	0.031322	1.89	6.98	41.62	1.31
Asta 1	7368.799	tr 200	13.90	104.39	104.63	104.68	104.81	0.031467	1.99	7.64	42.96	1.33
Asta 1	7368.799	tr 500	16.45	104.39	104.65	104.71	104.86	0.031594	2.12	8.58	44.78	1.35
Asta 1	7300	tr 50	10.46	101.34	101.60	101.69	101.92	0.056780	2.84	4.35	28.94	1.96
Asta 1	7300	tr 100	12.15	101.34	101.61	101.72	101.96	0.055253	2.95	4.88	30.23	1.96
Asta 1	7300	tr 200	13.90	101.34	101.63	101.75	102.01	0.054413	3.07	5.40	31.44	1.97
Asta 1	7300	tr 500	16.45	101.34	101.65	101.78	102.06	0.053474	3.23	6.13	33.06	1.98
Asta 1	7200	tr 50	10.46	100.68	101.25	101.07	101.29	0.002225	1.04	12.19	32.45	0.45
Asta 1	7200	tr 100	12.15	100.68	101.29	101.10	101.34	0.002248	1.10	13.51	33.77	0.46
Asta 1	7200	tr 200	13.90	100.68	101.33	101.13	101.38	0.002261	1.15	14.85	35.05	0.47
Asta 1	7200	tr 500	16.45	100.68	101.38	101.17	101.44	0.002279	1.21	16.66	36.40	0.47
Asta 1	7164.761	tr 50	10.46	100.25	100.76		100.79	0.021200	0.90	14.05	40.23	0.41
Asta 1	7164.761	tr 100	12.15	100.25	100.79		100.82	0.022379	0.96	15.25	40.96	0.43
Asta 1	7164.761	tr 200	13.90	100.25	100.82		100.86	0.022830	1.01	16.56	41.60	0.44
Asta 1	7164.761	tr 500	16.45	100.25	100.86		100.90	0.023852	1.09	18.25	42.44	0.45
Asta 1	7141.196	tr 50	10.46	99.62	99.90	99.86	99.95	0.070914	1.04	11.21	57.78	0.67
Asta 1	7141.196	tr 100	12.15	99.62	99.93	99.88	99.98	0.065996	1.07	12.69	58.96	0.66
Asta 1	7141.196	tr 200	13.90	99.62	99.95	99.90	100.01	0.065155	1.12	13.94	59.95	0.66
Asta 1	7141.196	tr 500	16.45	99.62	99.98	99.92	100.04	0.062886	1.17	15.77	61.34	0.66
Asta 1	7100.815	tr 50	10.46	97.87	98.43		98.46	0.022476	0.89	13.02	37.84	0.42
Asta 1	7100.815	tr 100	12.15	97.87	98.46		98.50	0.023189	0.94	14.31	39.18	0.43
Asta 1	7100.815	tr 200	13.90	97.87	98.50		98.54	0.022963	0.99	15.80	40.67	0.43
Asta 1	7100.815	tr 500	16.45	97.87	98.55	98.34	98.60	0.022998	1.05	17.79	42.54	0.44
Asta 1	6995.575	tr 50	10.46	93.89	94.26	94.23	94.34	0.084346	1.26	8.35	36.96	0.82
Asta 1	6995.575	tr 100	12.15	93.89	94.29	94.25	94.37	0.079868	1.30	9.36	38.73	0.81
Asta 1	6995.575	tr 200	13.90	93.89	94.31	94.28	94.40	0.082016	1.38	10.08	39.70	0.84
Asta 1	6995.575	tr 500	16.45	93.89	94.33	94.31	94.44	0.082218	1.48	11.13	40.84	0.85
Asta 1	6901.316	tr 50	10.46	89.29	89.67	89.66	89.77	0.031559	1.34	9.02	41.96	0.74
Asta 1	6901.316	tr 100	12.15	89.29	89.69	89.69	89.80	0.032644	1.43	9.90	43.06	0.76
Asta 1	6901.316	tr 200	13.90	89.29	89.71	89.71	89.83	0.032078	1.48	10.94	44.33	0.76
Asta 1	6901.316	tr 500	16.45	89.29	89.74	89.74	89.88	0.032013	1.56	12.31	45.94	0.77
Asta 1	6818.769	tr 50	10.46	87.48	87.79	87.79	87.95	0.015902	1.10	6.20	20.89	0.84
Asta 1	6818.769	tr 100	12.15	87.48	87.83	87.83	88.00	0.015323	1.11	7.01	21.85	0.81
Asta 1	6818.769	tr 200	13.90	87.48	87.86	87.86	88.05	0.015280	1.16	7.75	22.68	0.78
Asta 1	6818.769	tr 500	16.45	87.48	87.91	87.91	88.11	0.014972	1.21	8.85	23.86	0.75

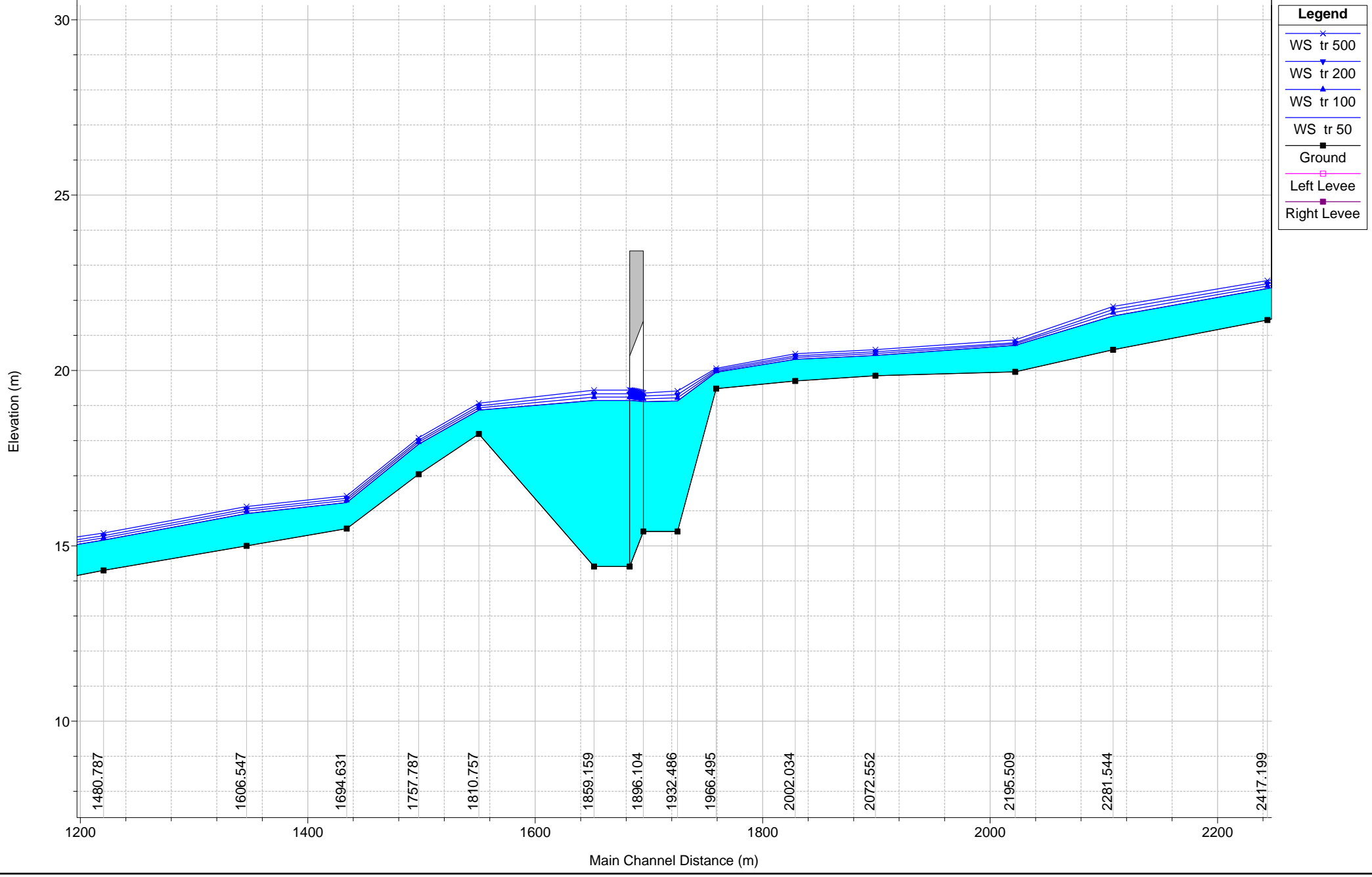
Rio Guidongias Asta 2 - 3



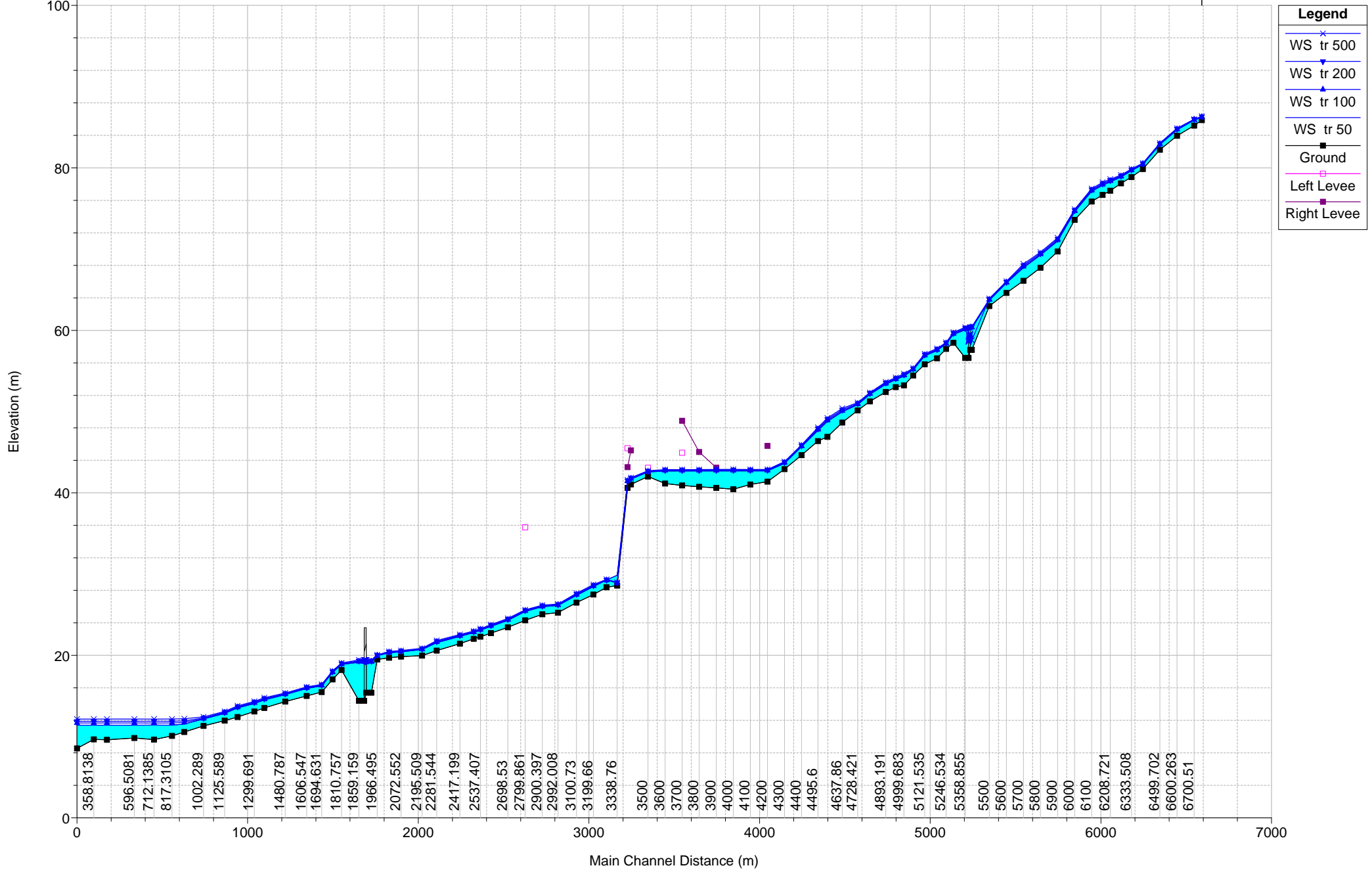
Legend

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

Rio Guidongias Asta 2 - 3



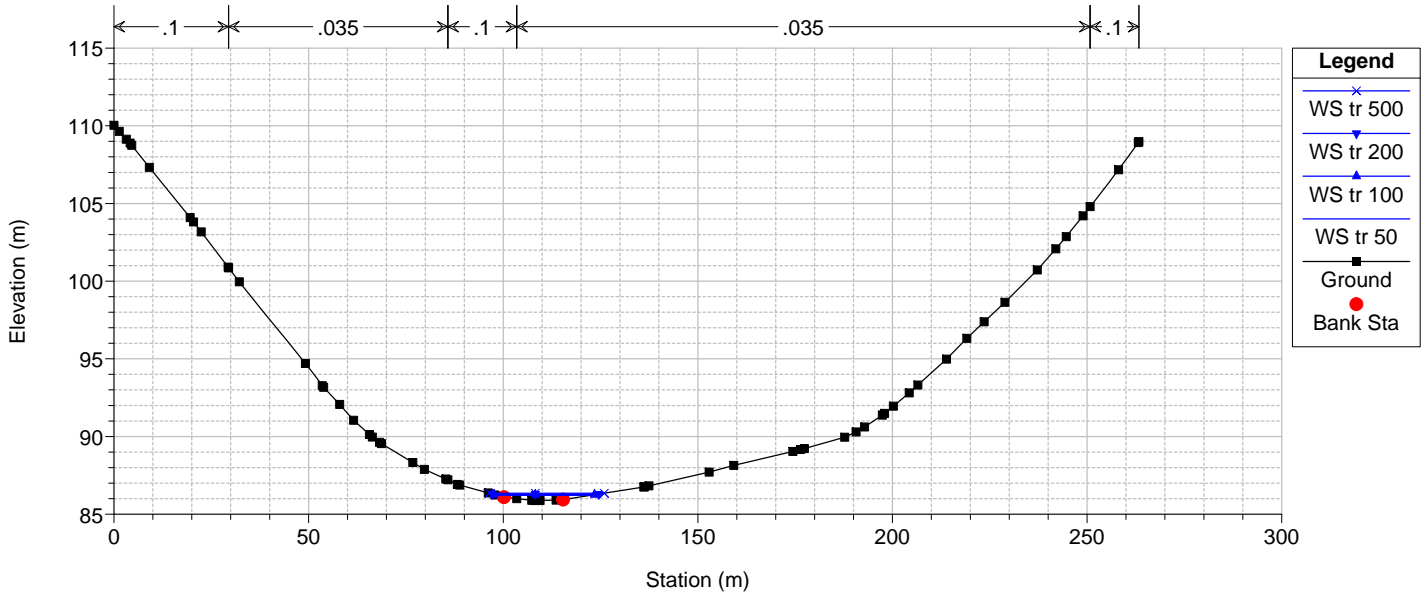
Rio Guidongias Asta 2 - 3



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

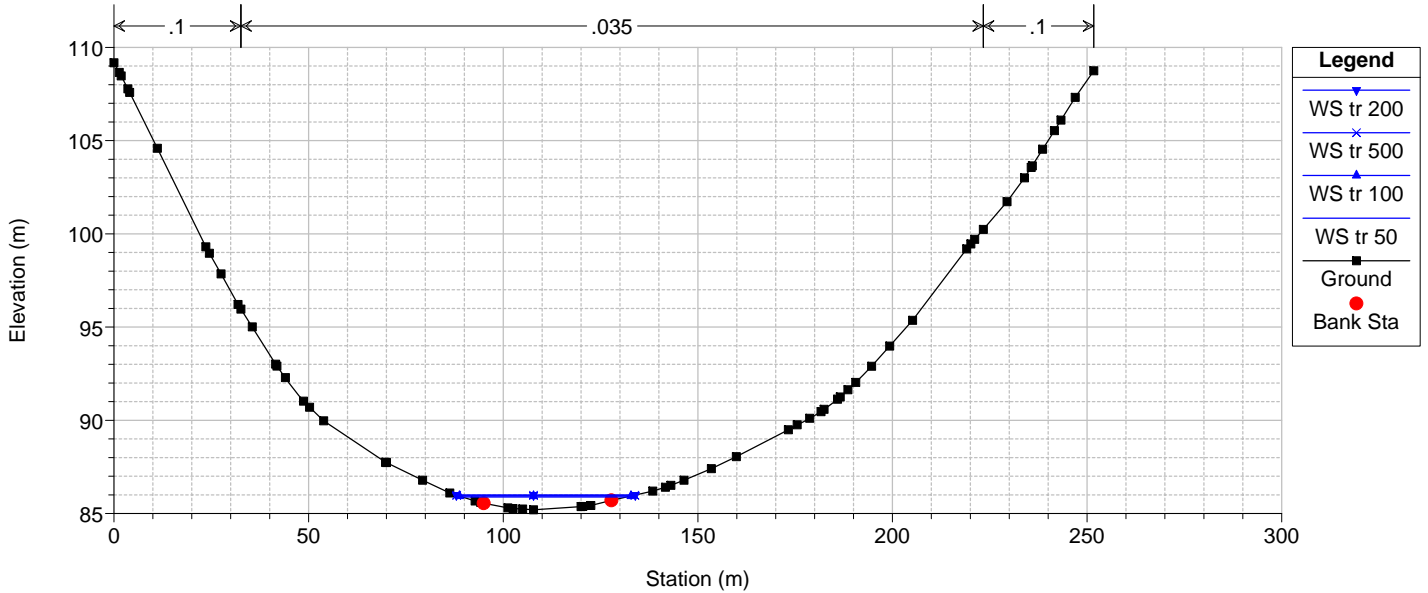
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6745.172 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

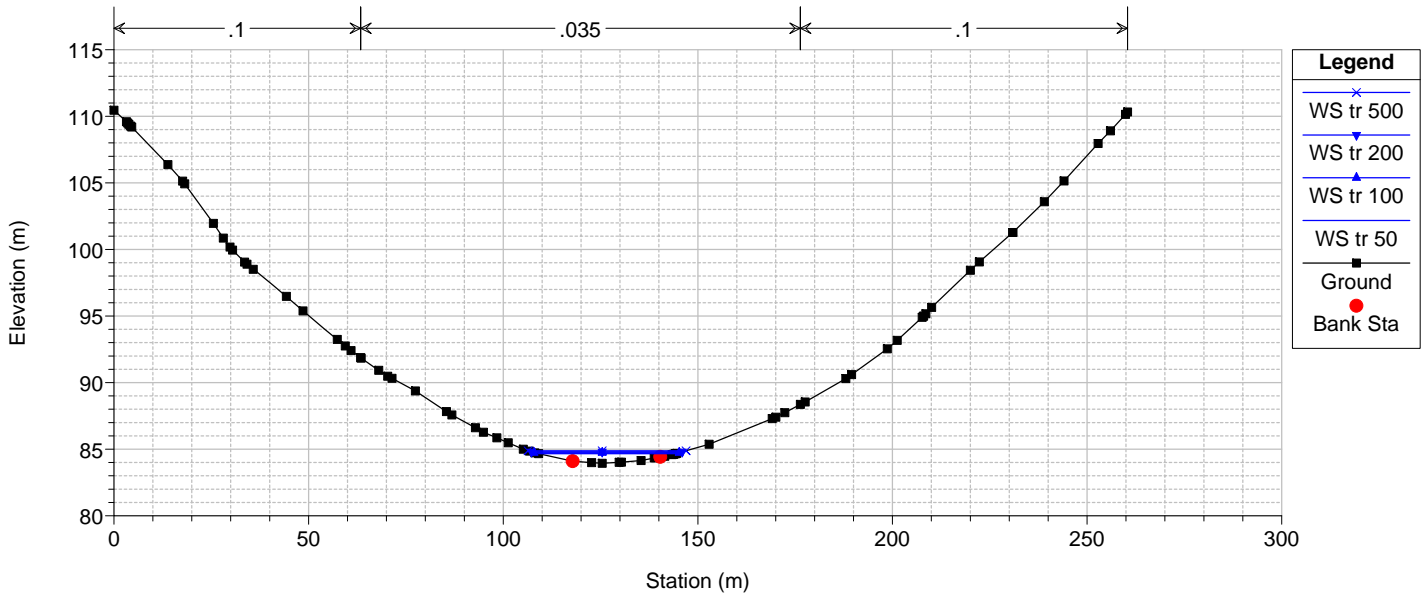
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6700.51 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

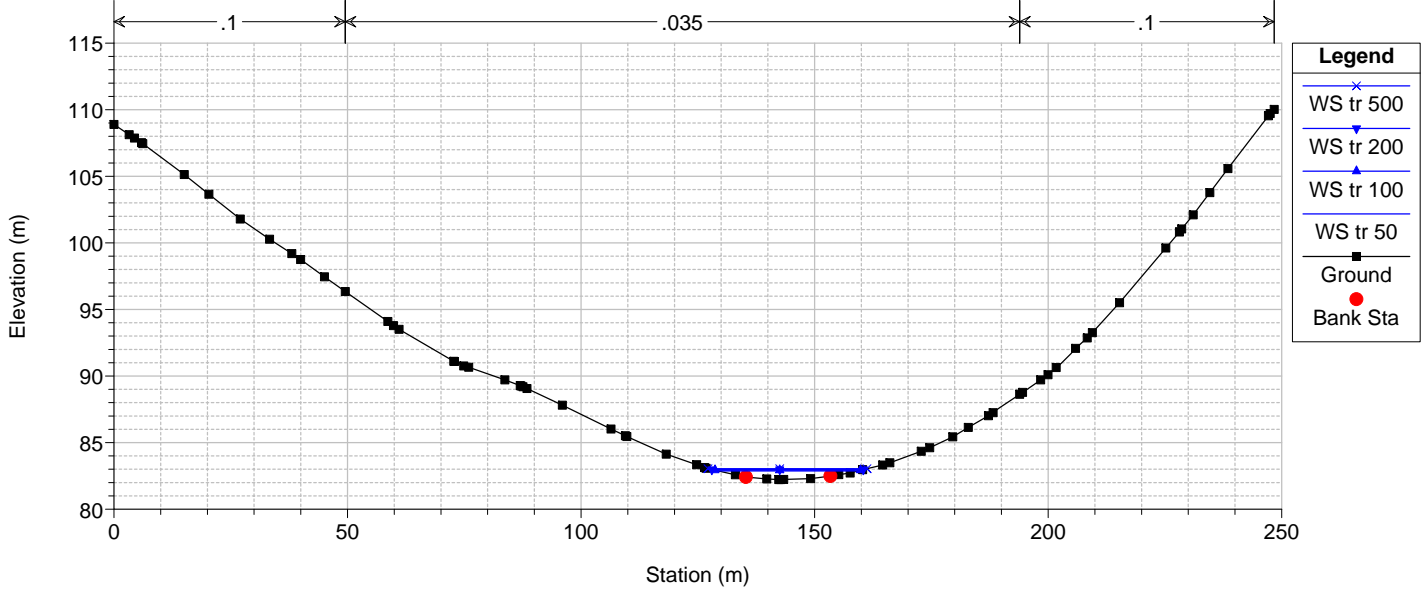
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6600.263 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

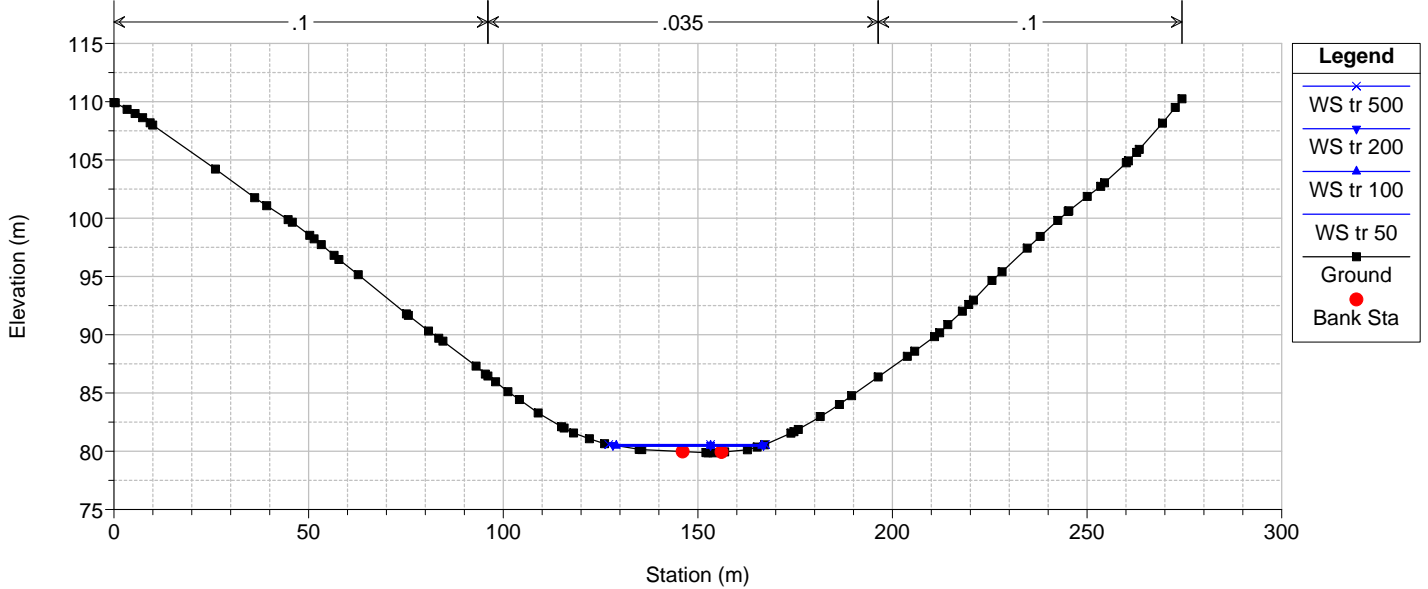
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6499.702 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

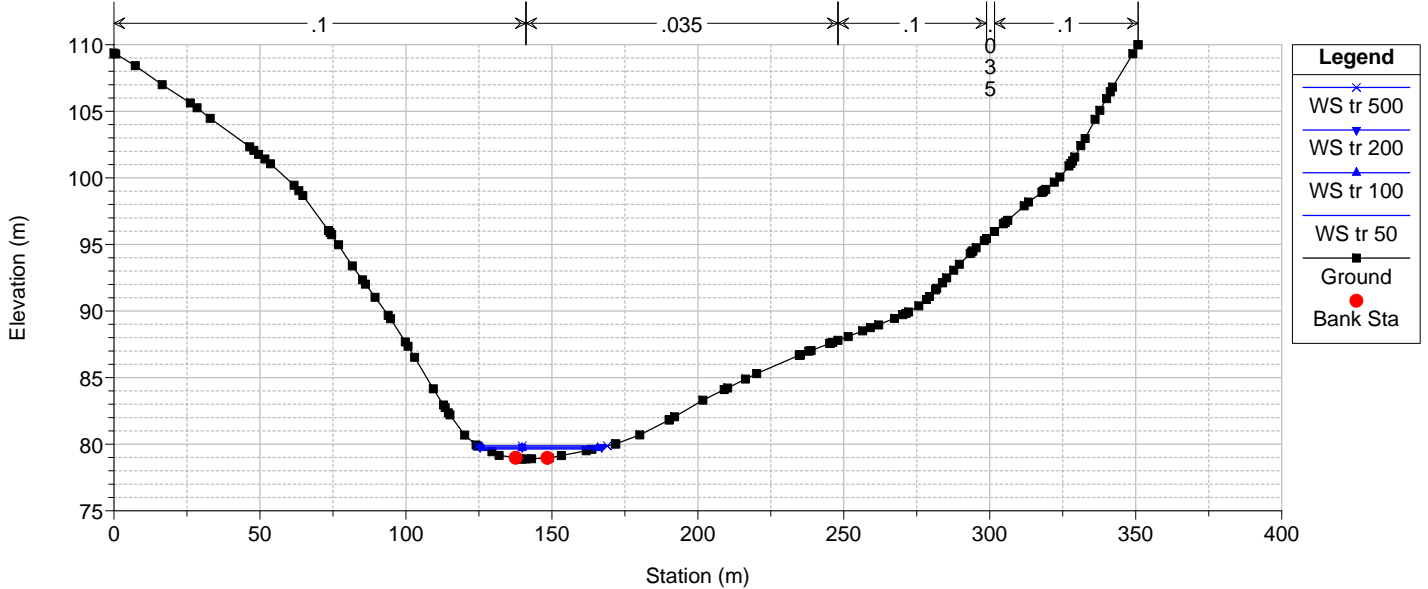
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6400.004 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

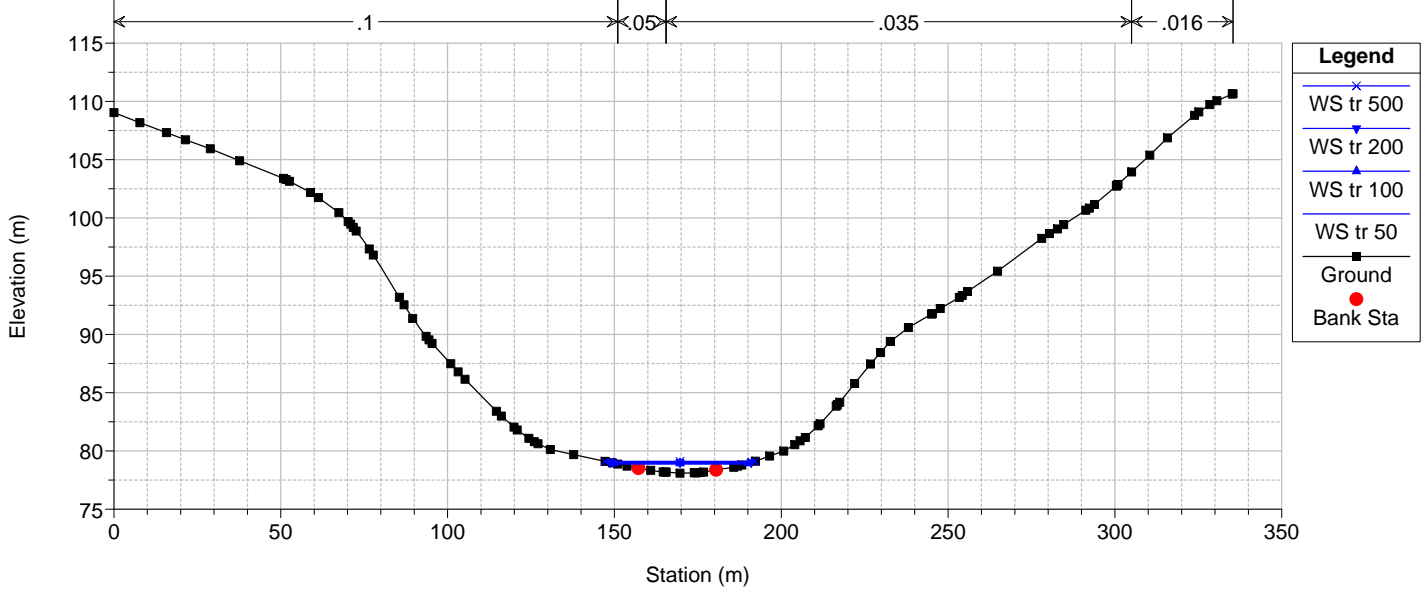
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6333.508 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

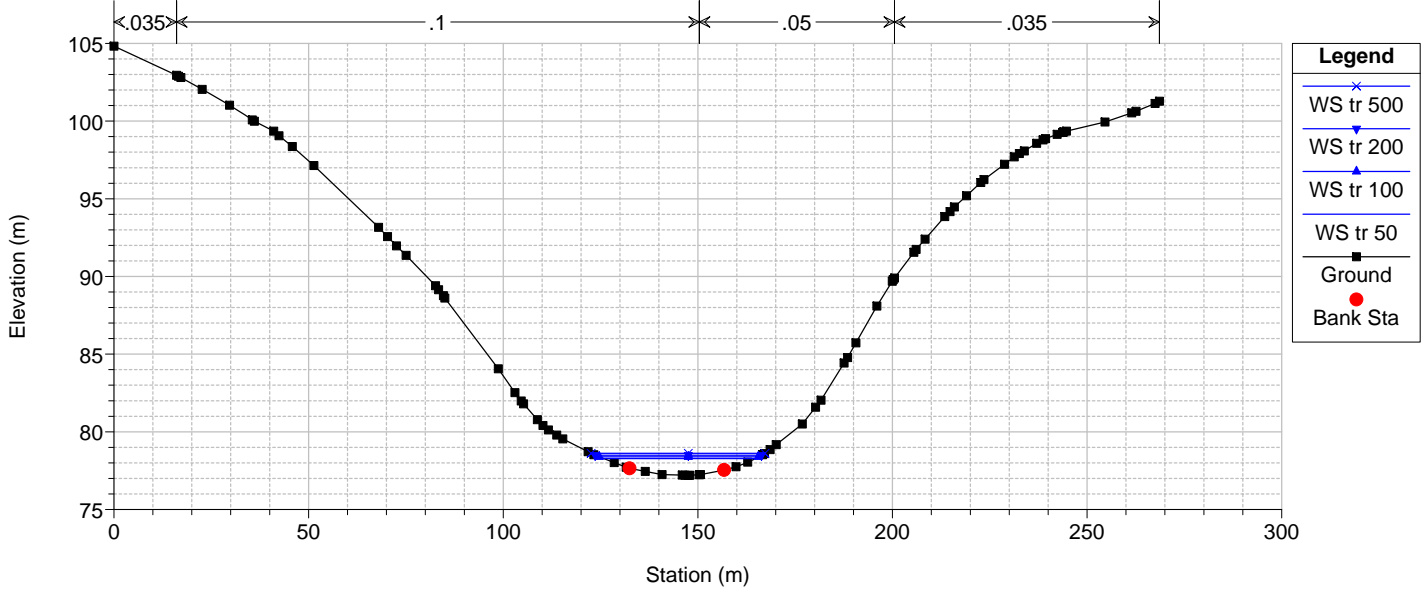
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6271.83 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

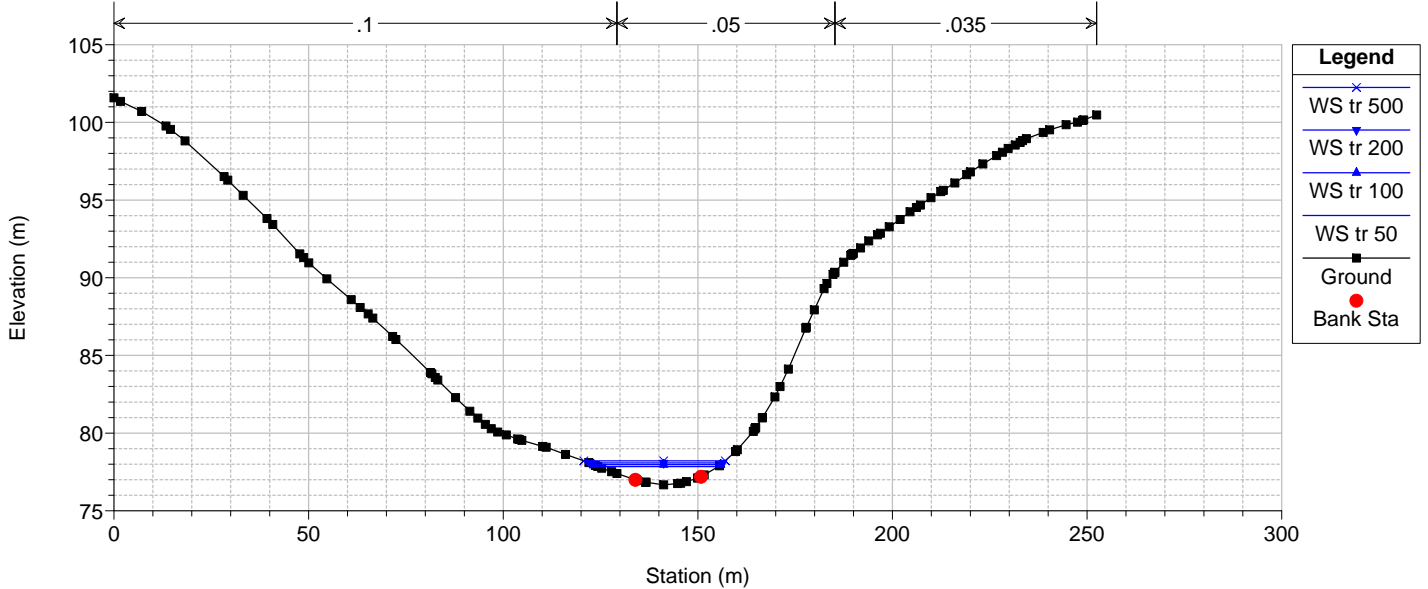
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6208.721 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

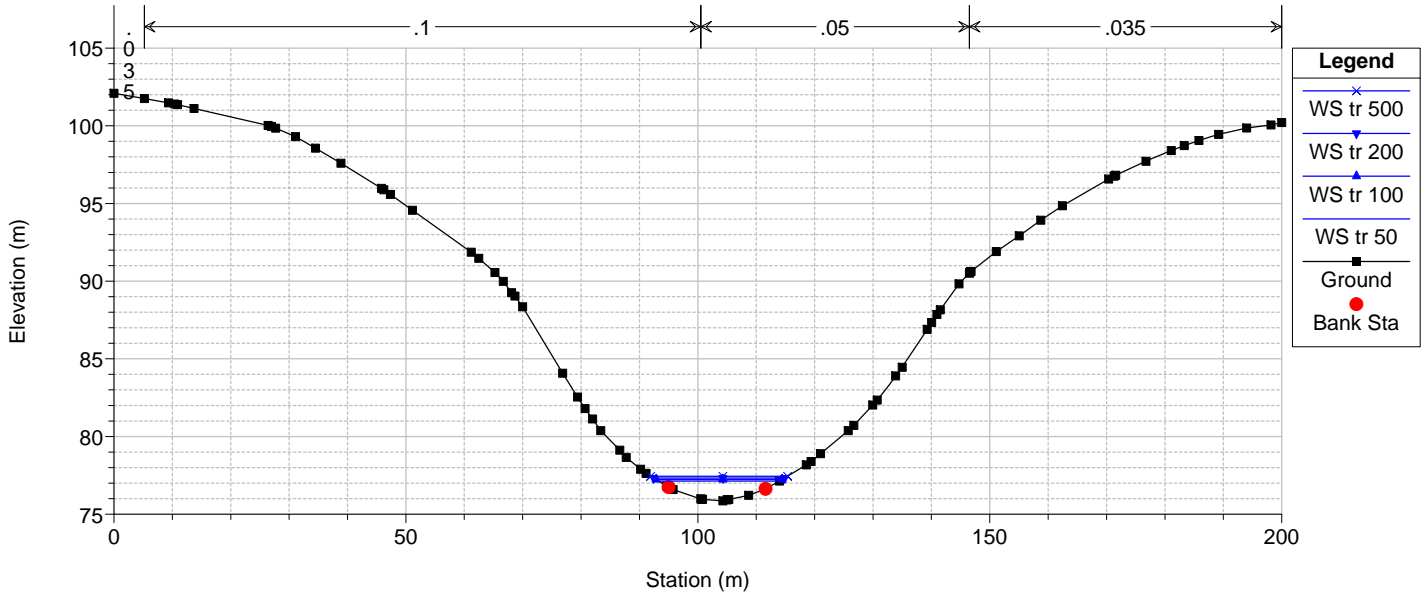
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6163.792 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

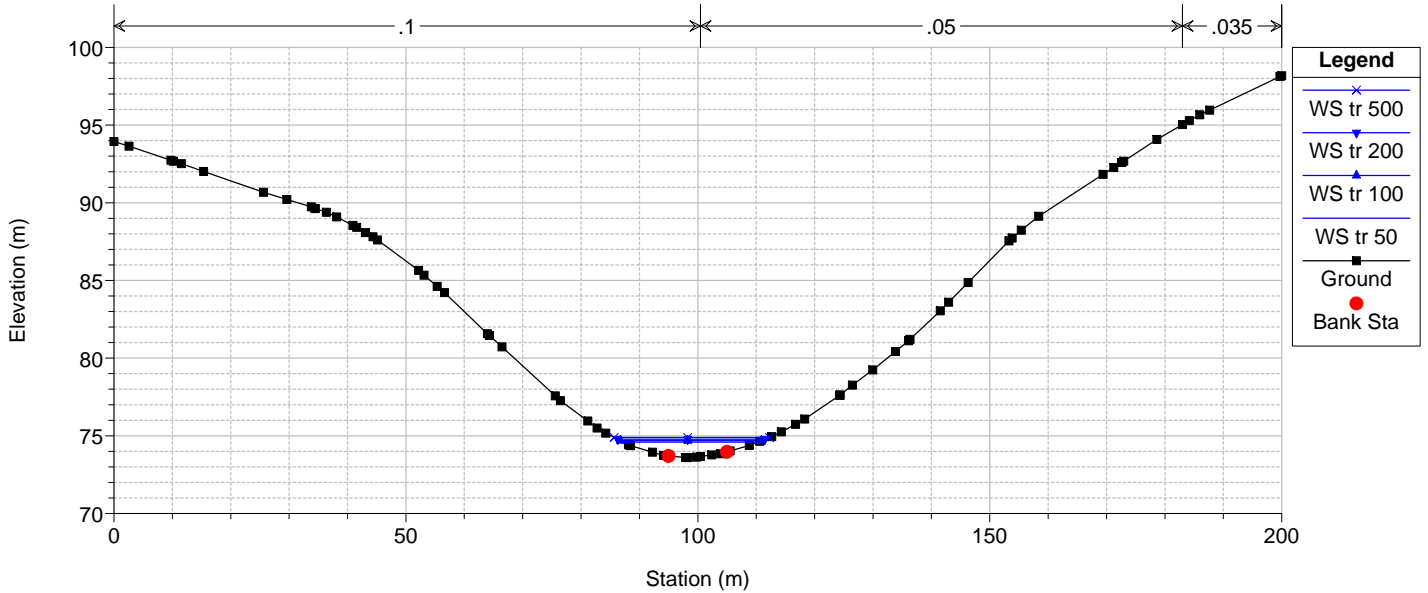
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6100 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

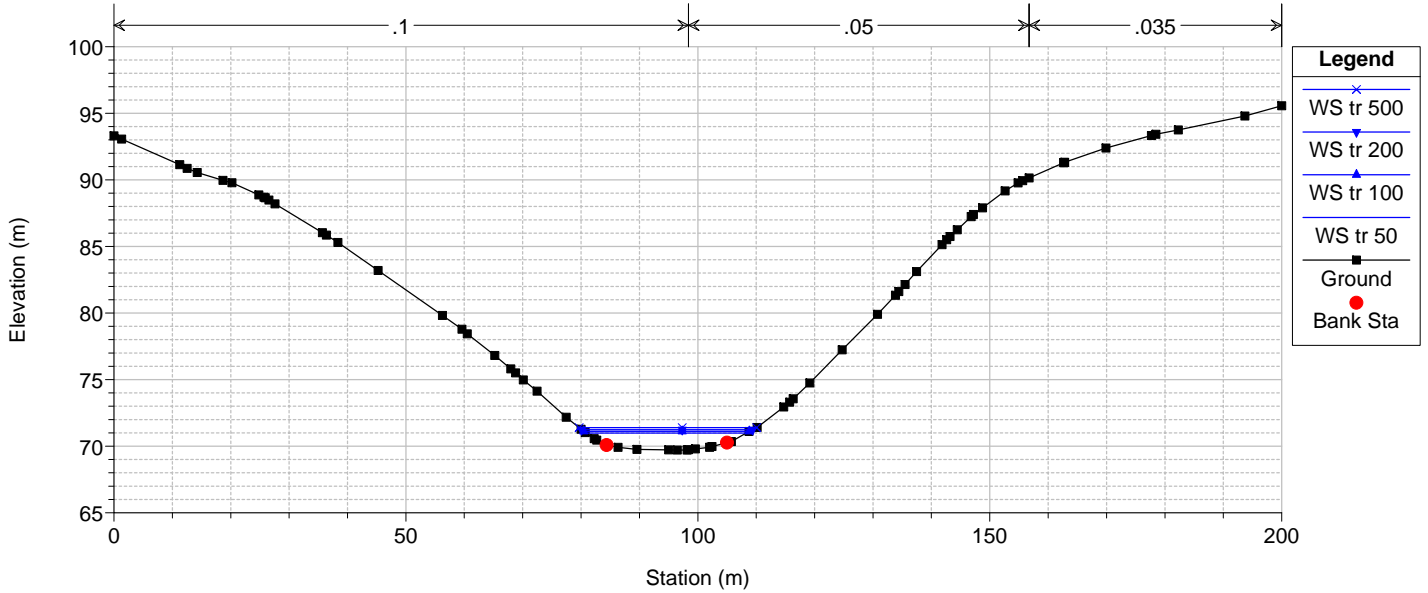
River = Rio Guidongias Reach = Asta 2 - 3 RS = 6000 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

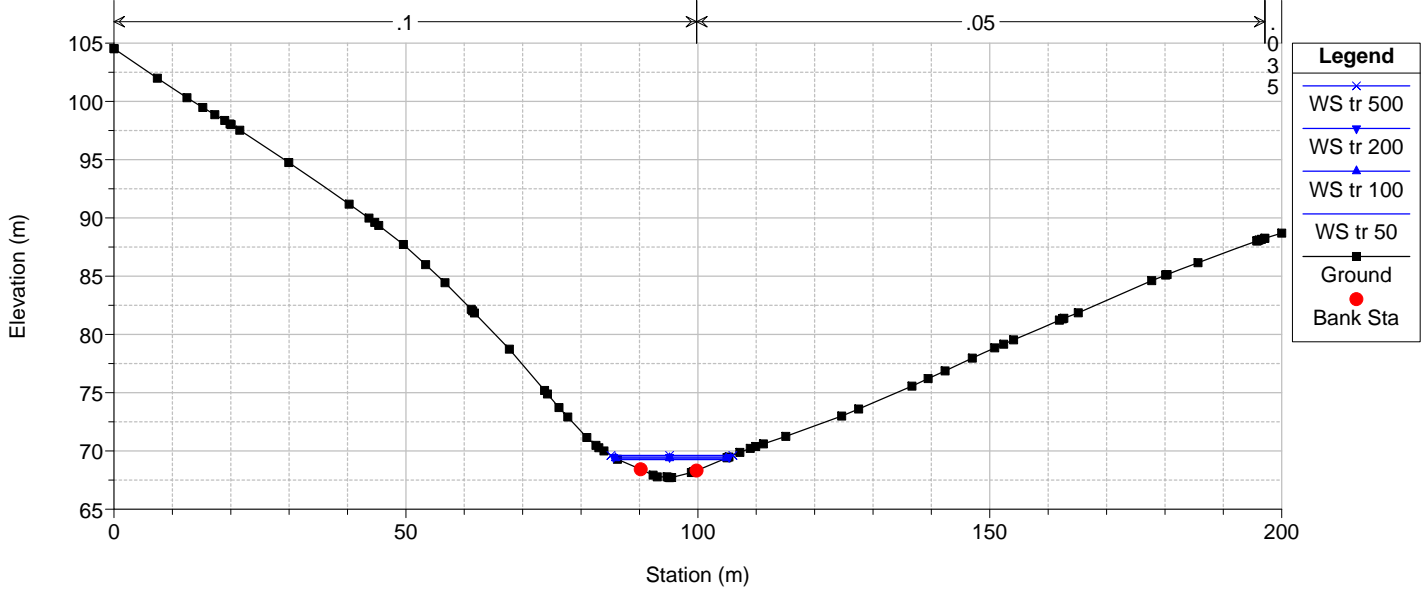
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5900 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

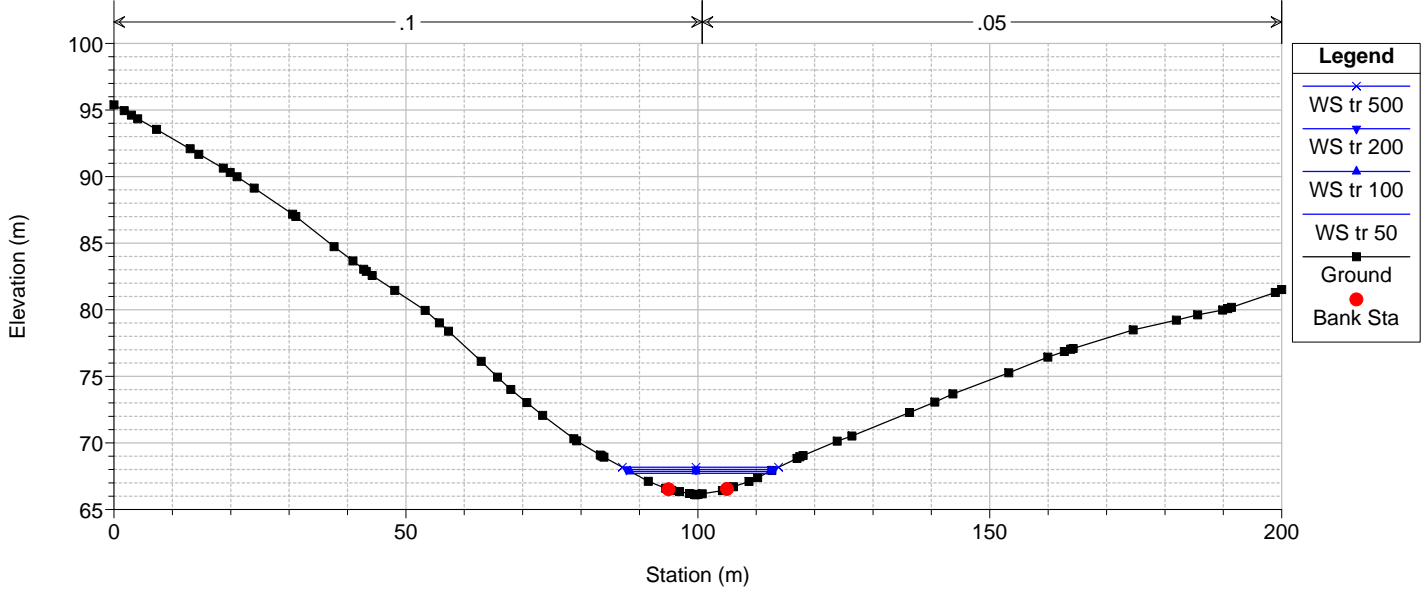
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5800 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

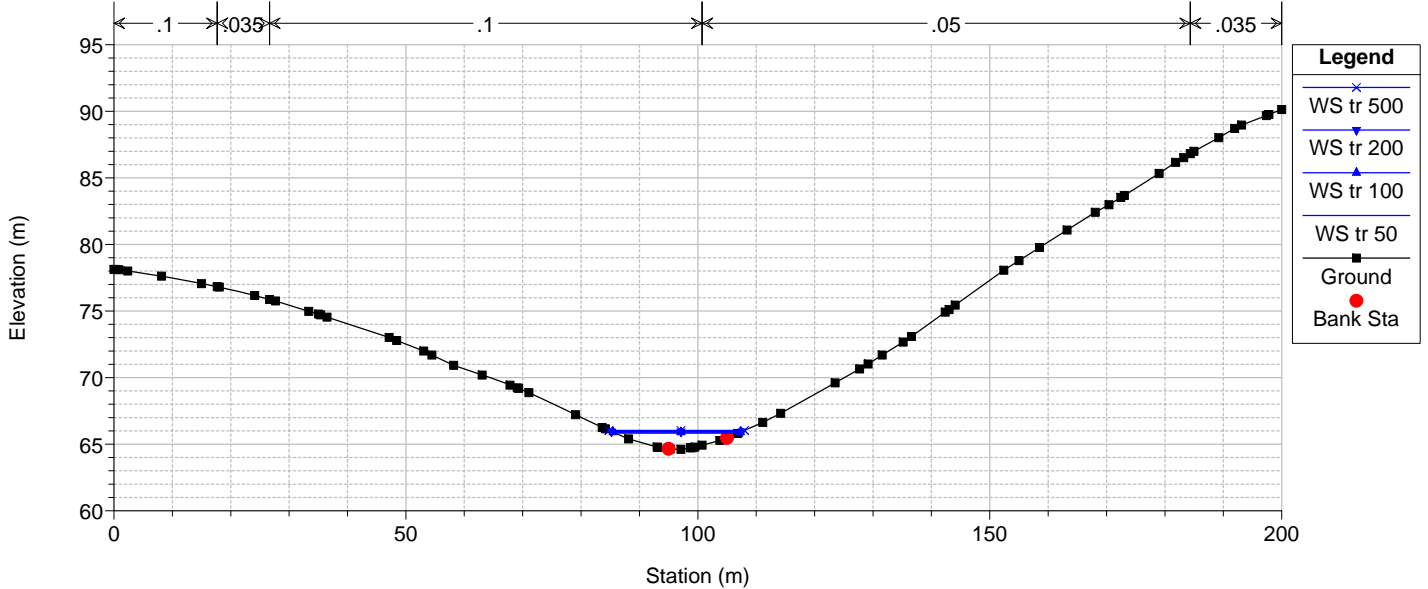
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5700 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

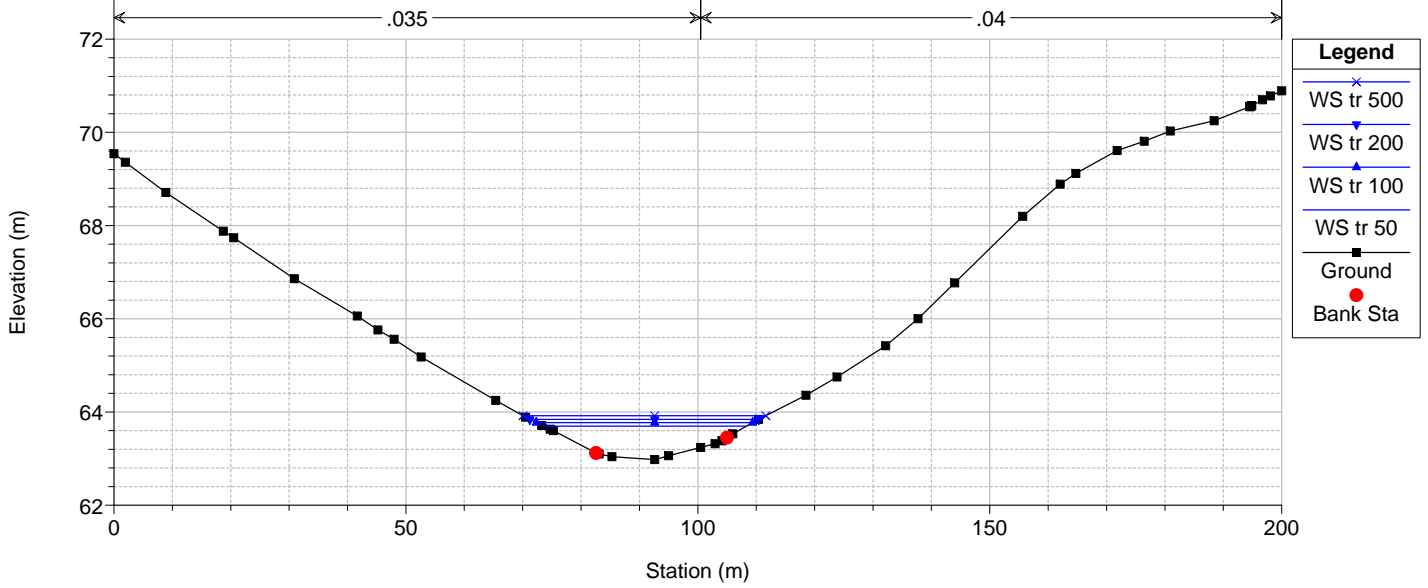
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5600 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

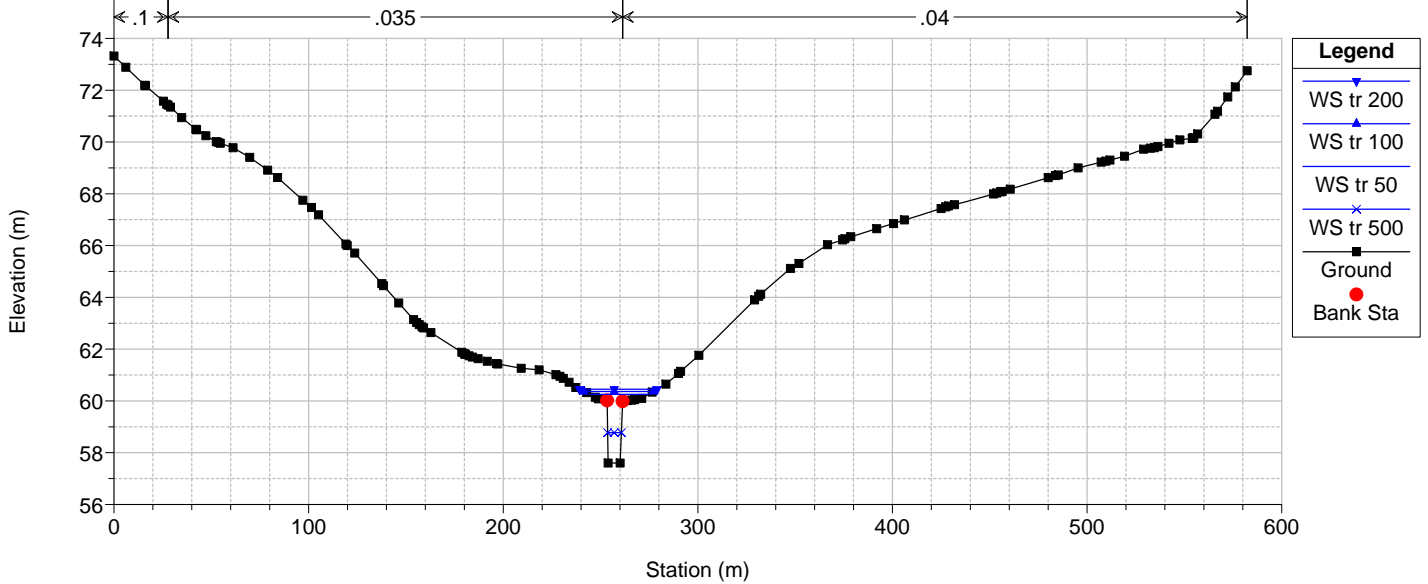
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5500 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

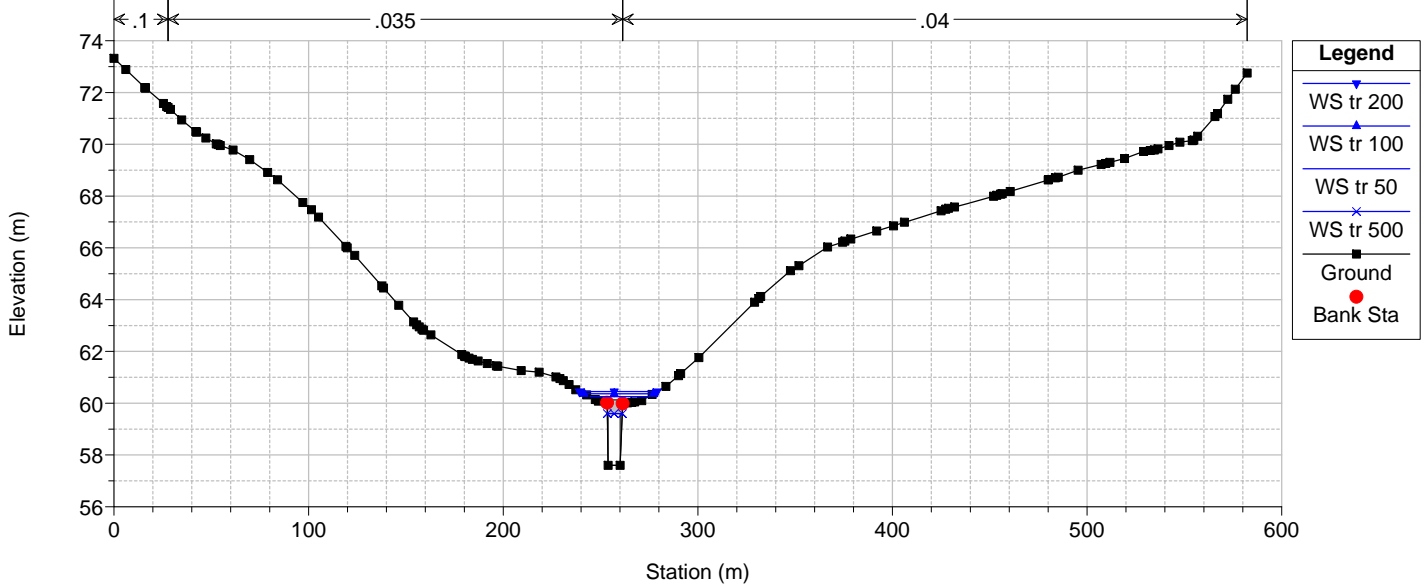
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5397.388 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

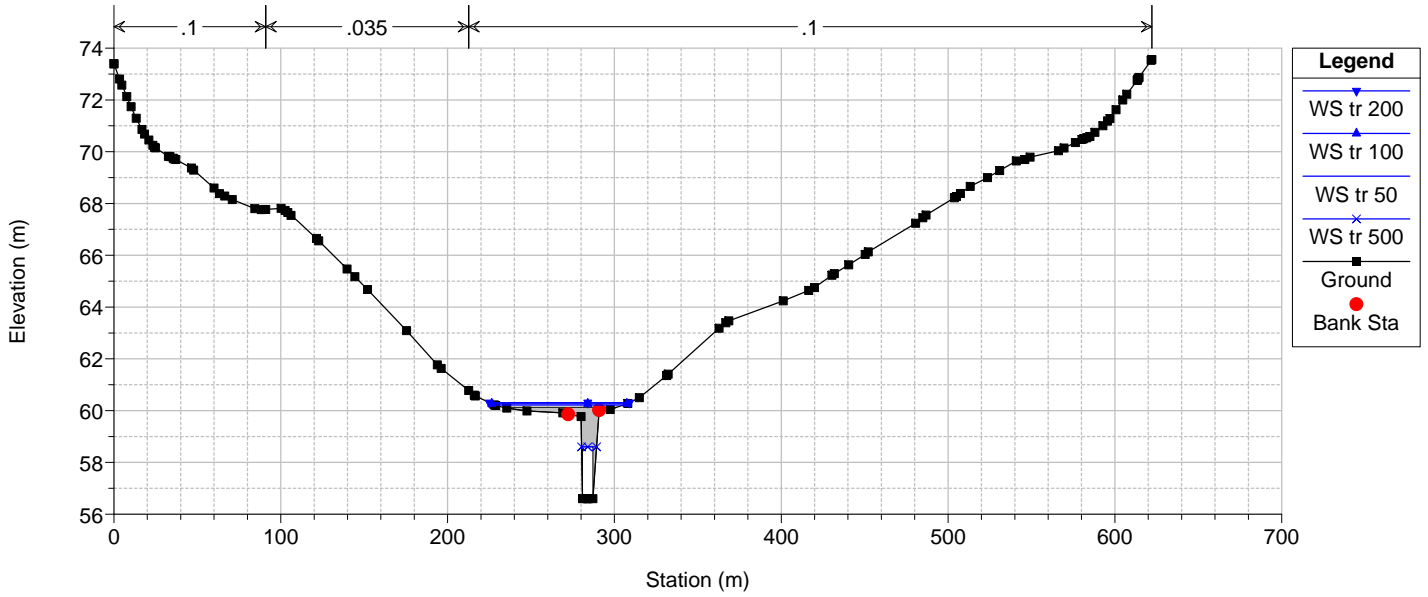
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5378.653 Culv COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

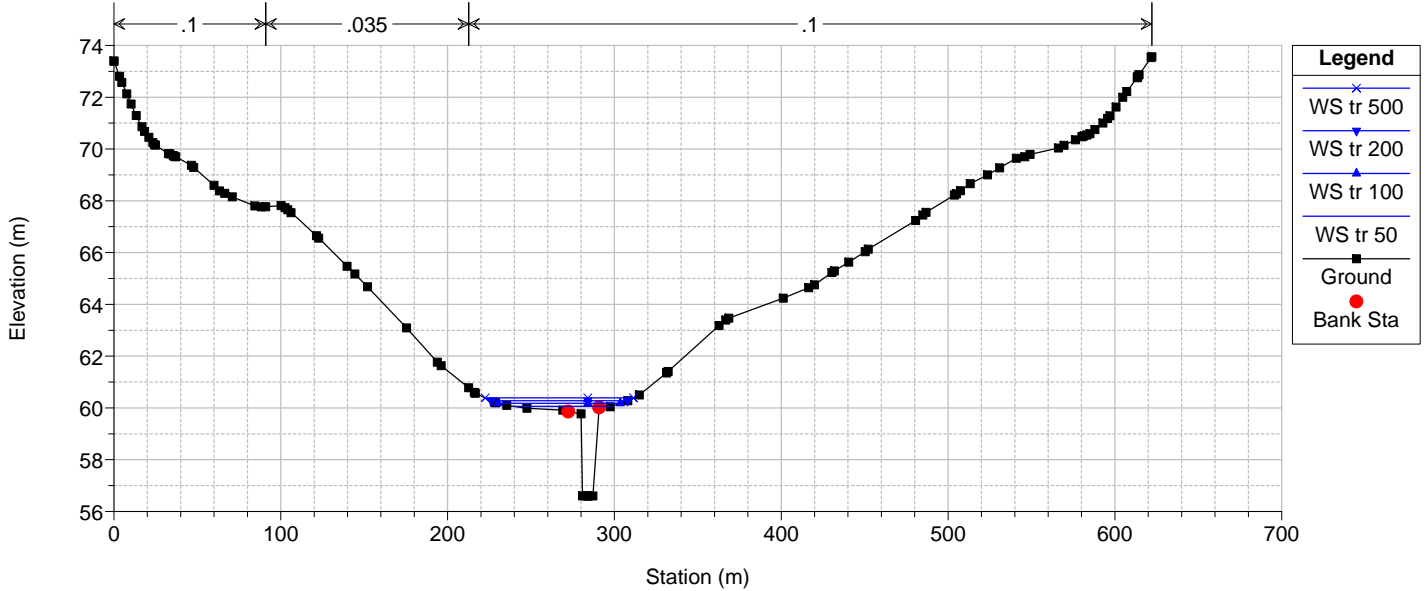
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5378.653 Culv COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

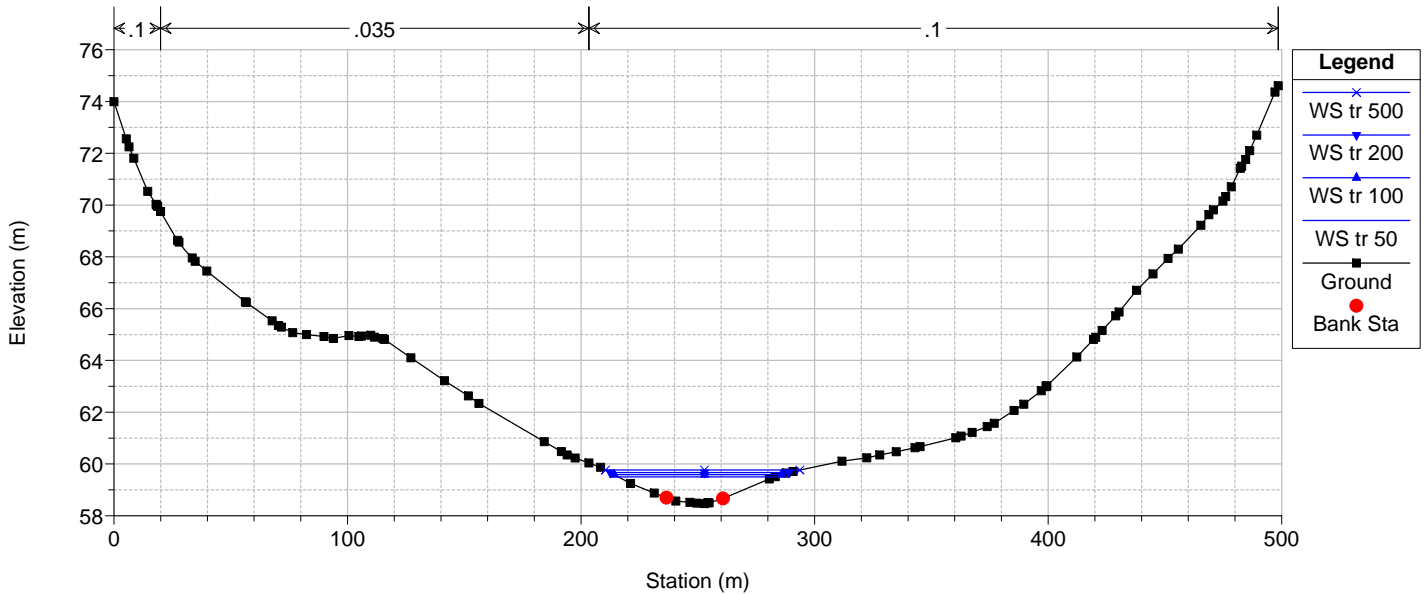
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5358.855 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

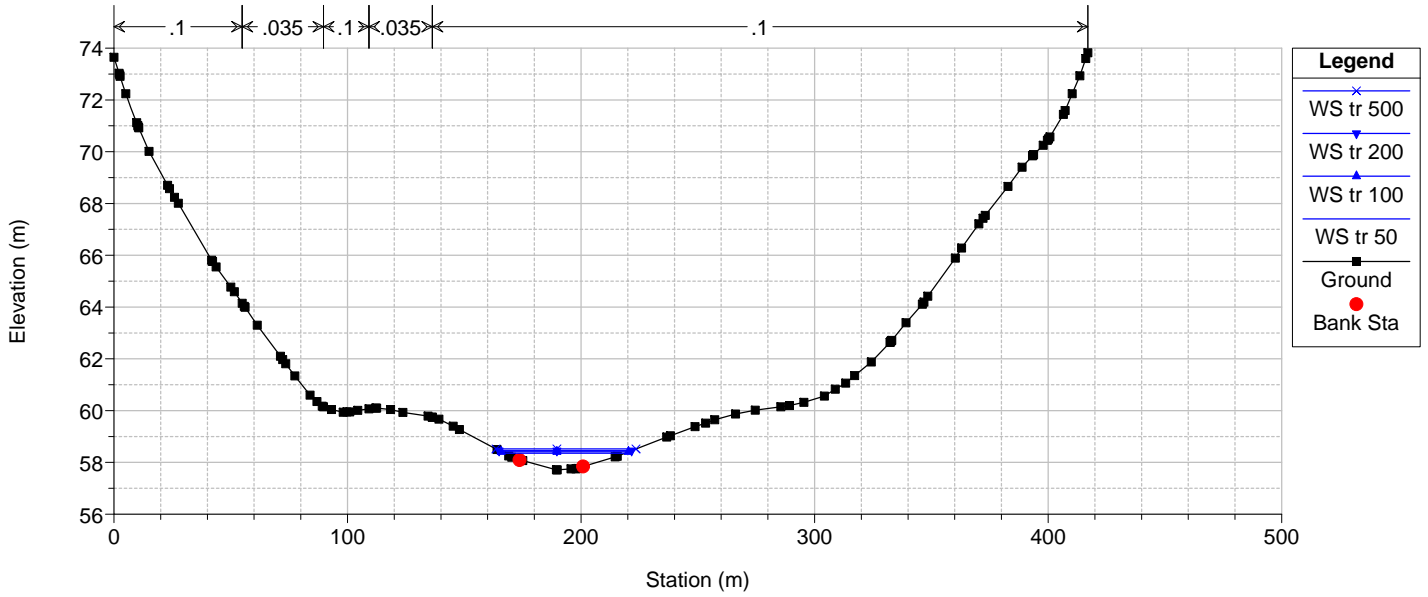
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5290.063 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

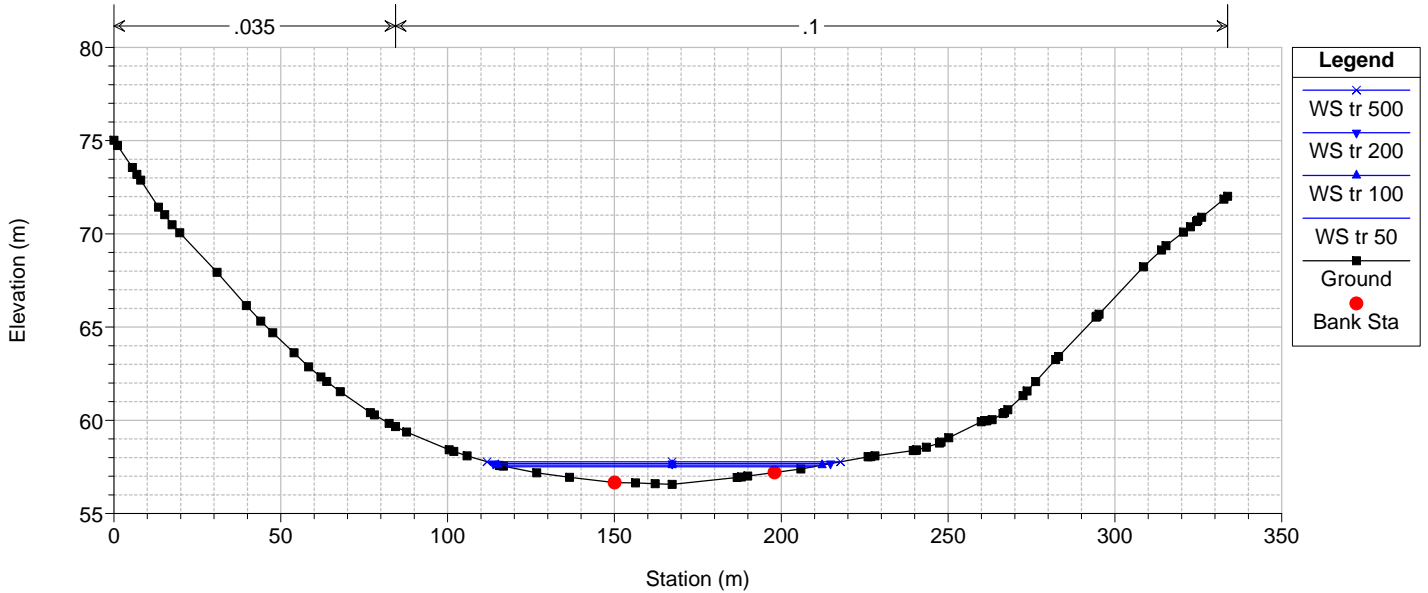
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5246.534 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

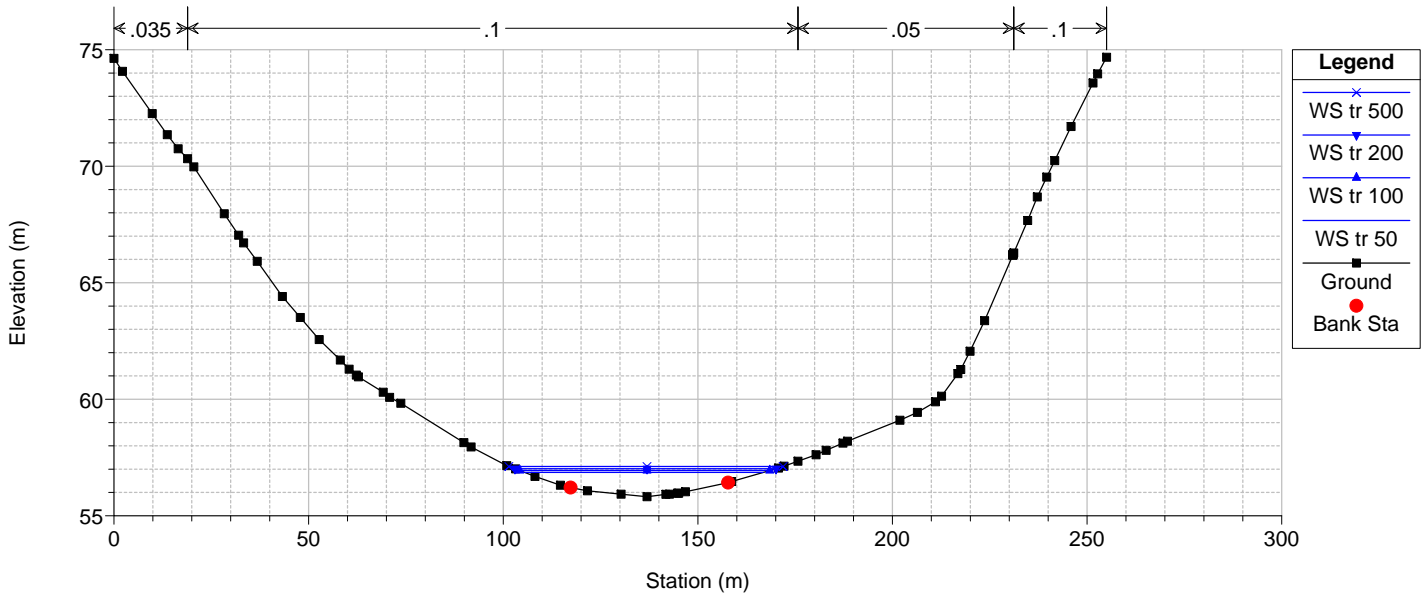
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5193.645 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

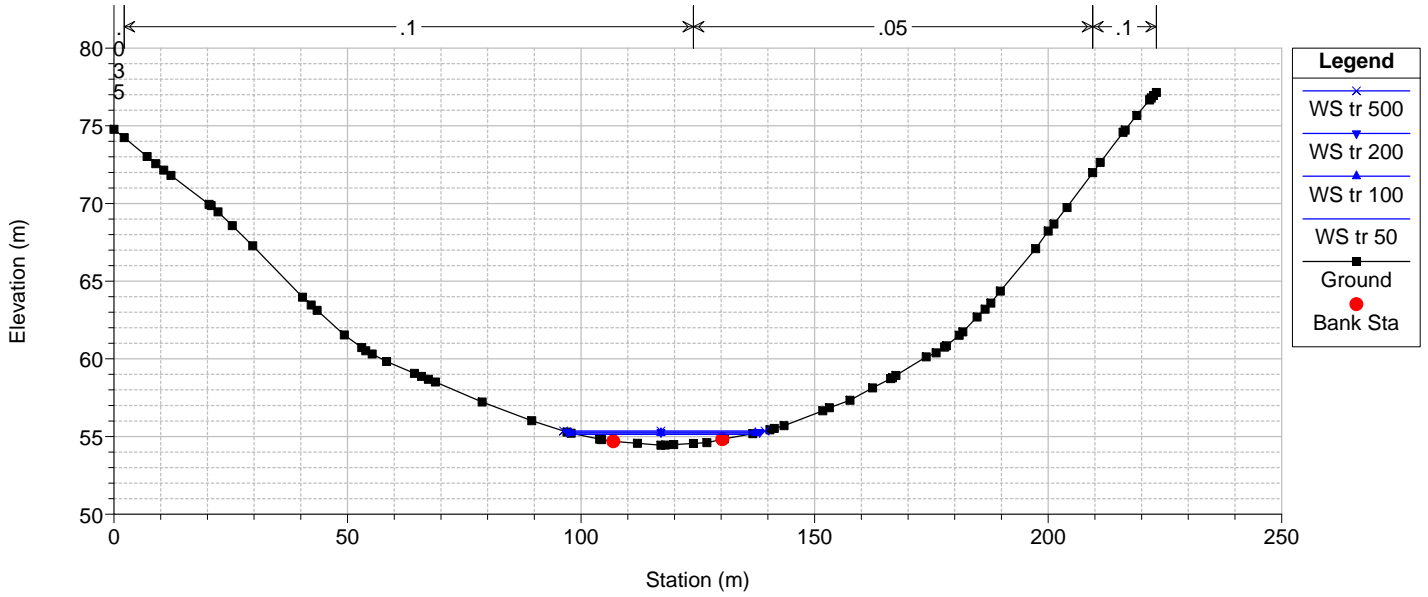
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5121.535 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

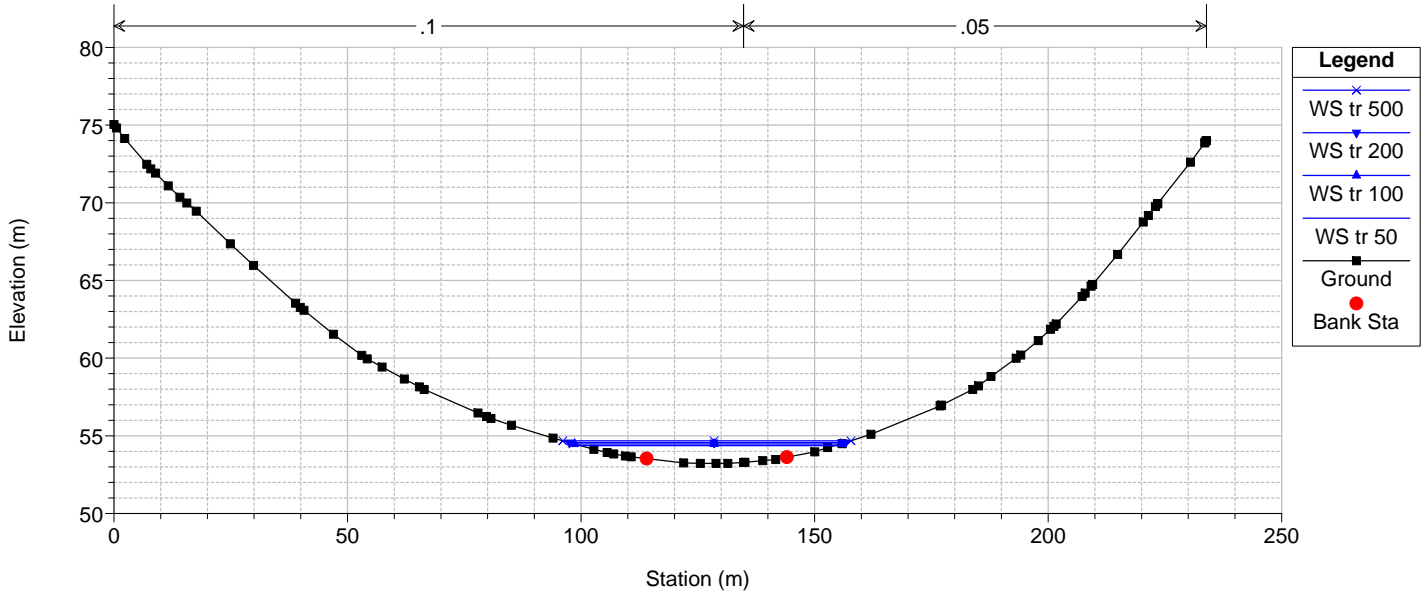
River = Rio Guidongias Reach = Asta 2 - 3 RS = 5054.055 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

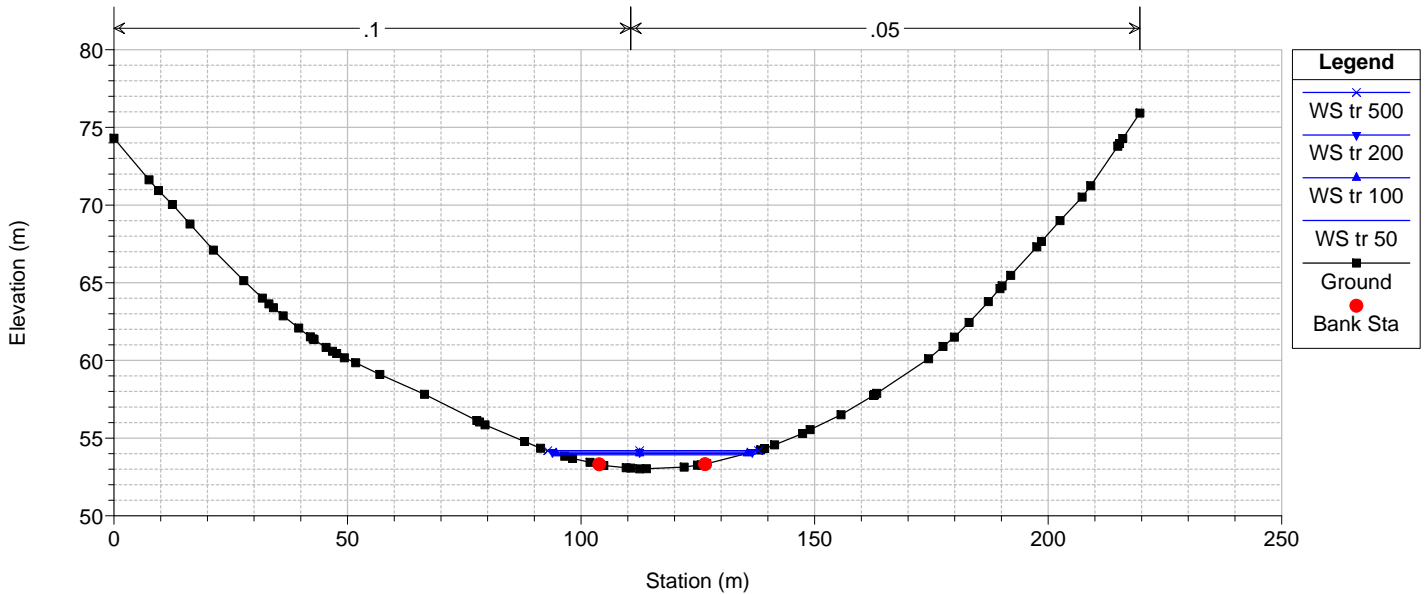
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4999.683 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

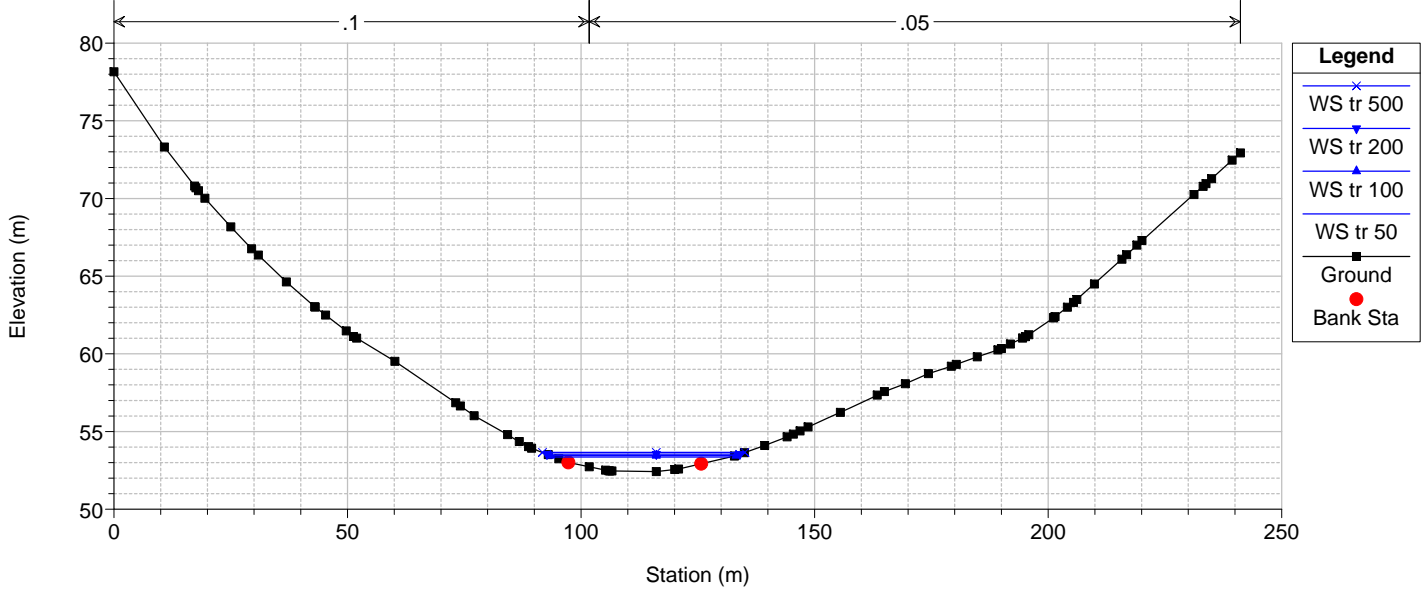
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4951.347 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

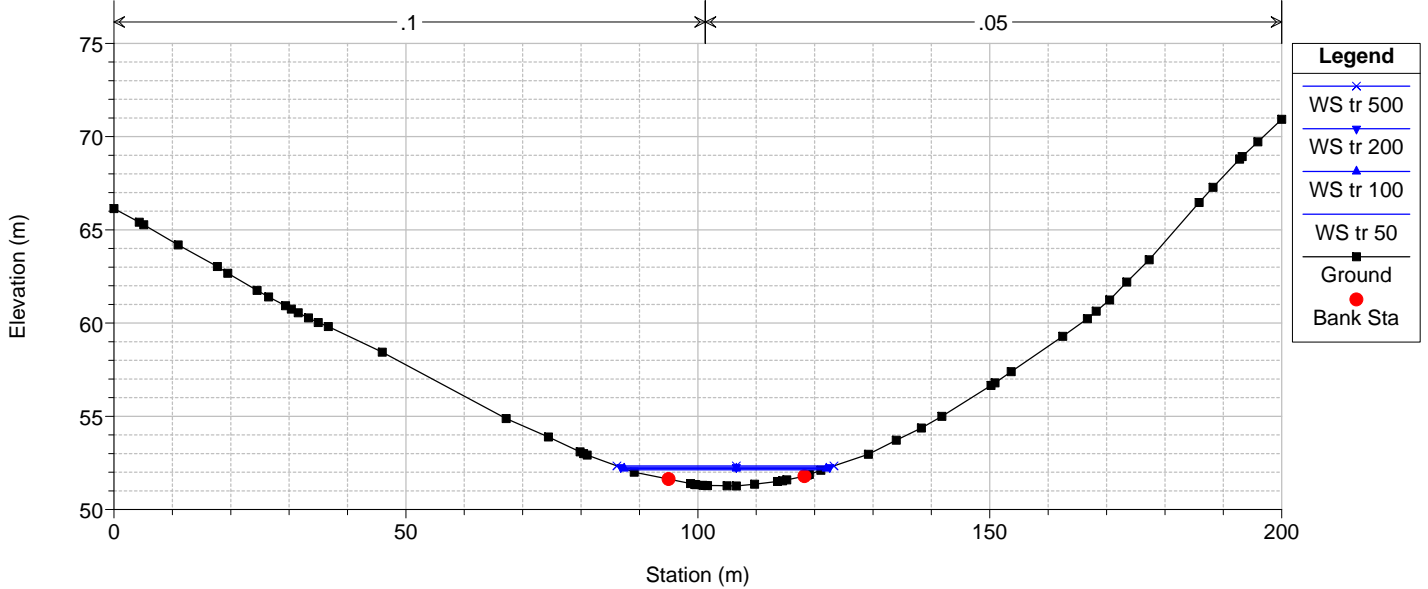
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4893.191 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

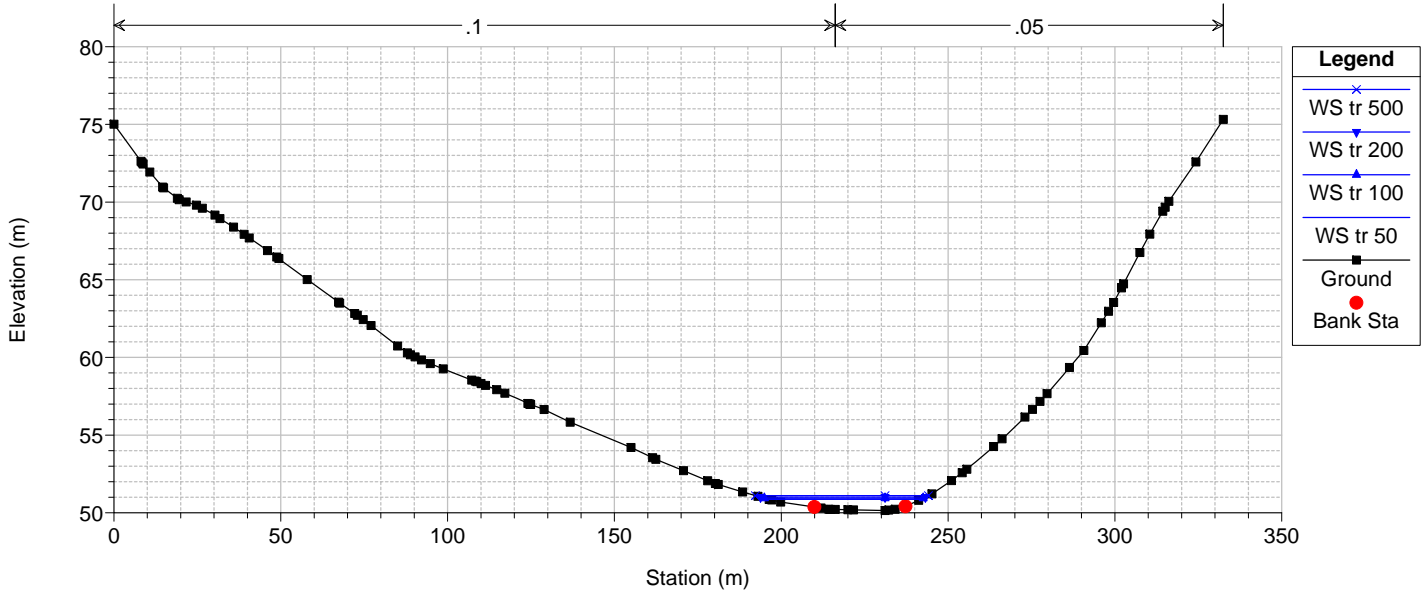
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4800 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

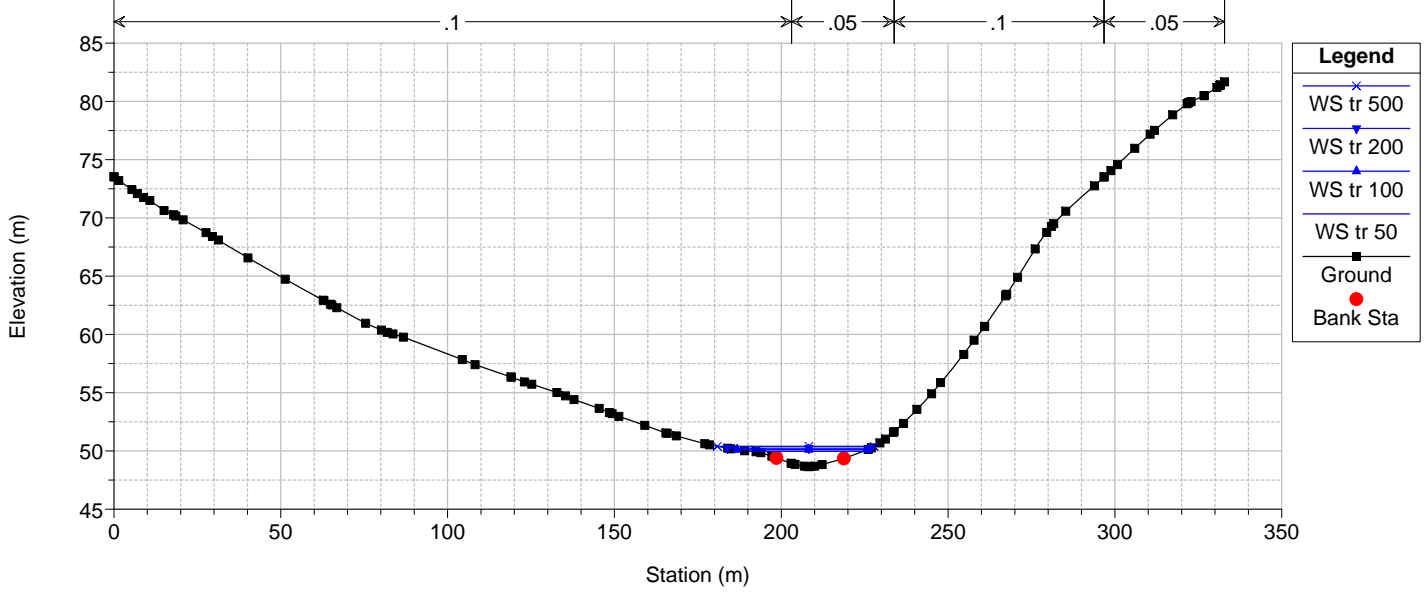
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4728.421 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

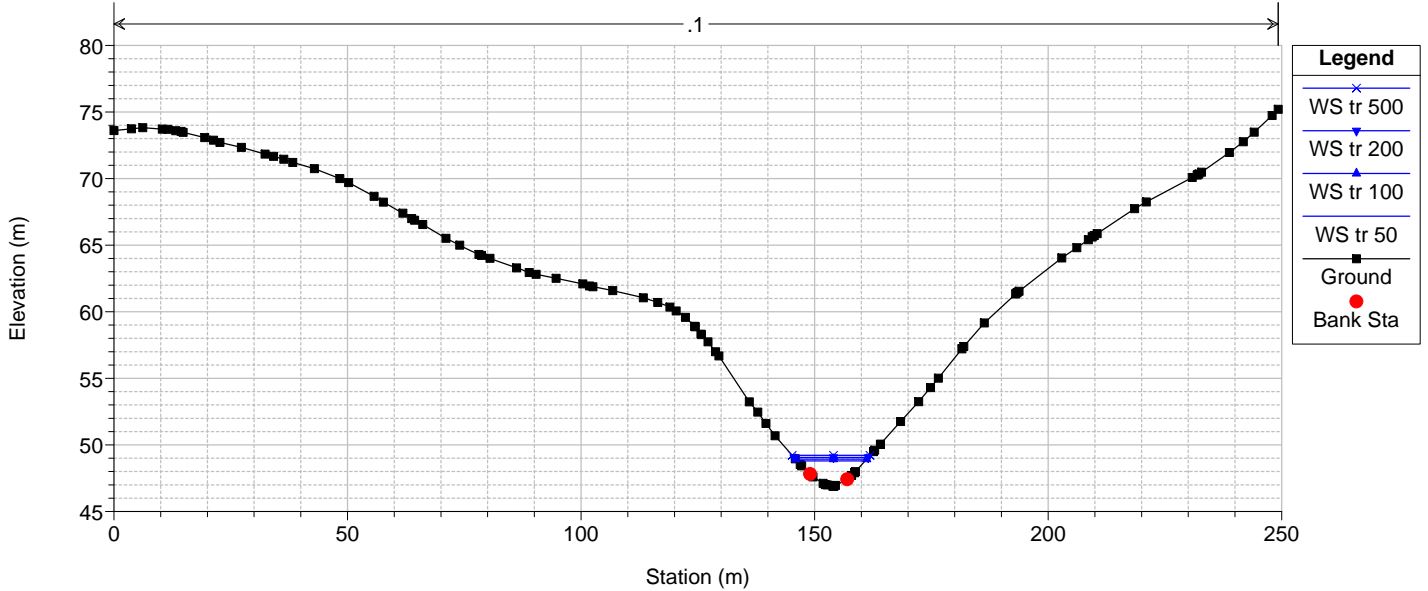
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4637.86 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

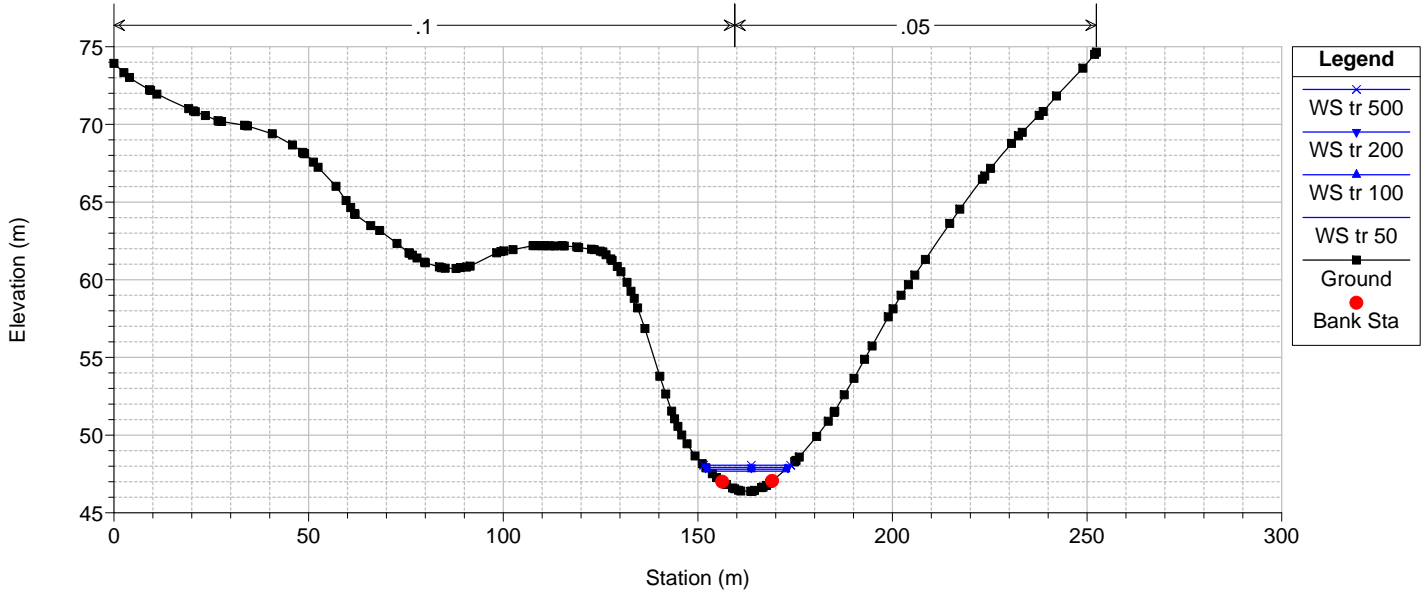
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4551.124 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

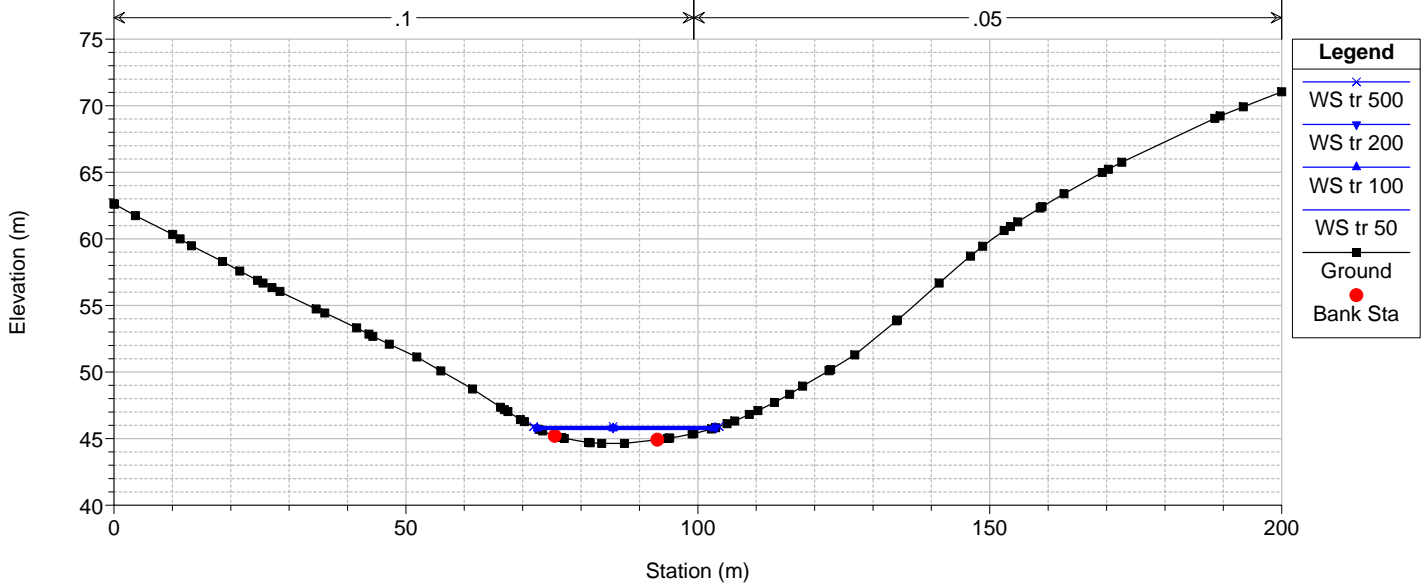
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4495.6 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

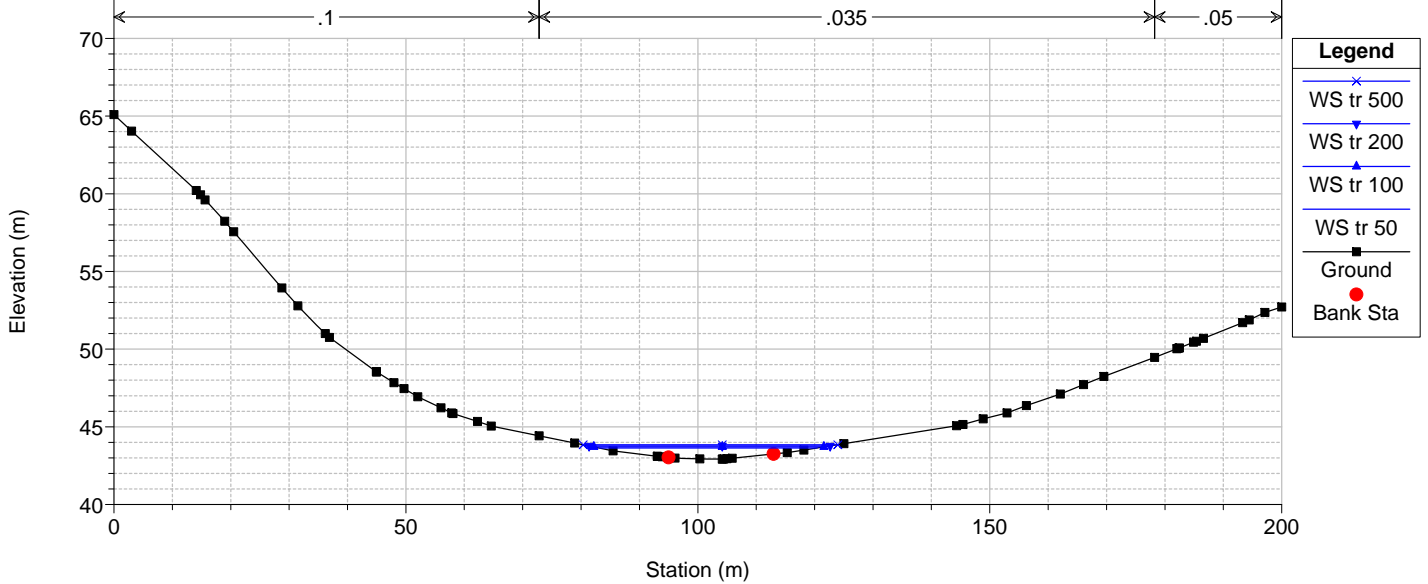
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4400 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

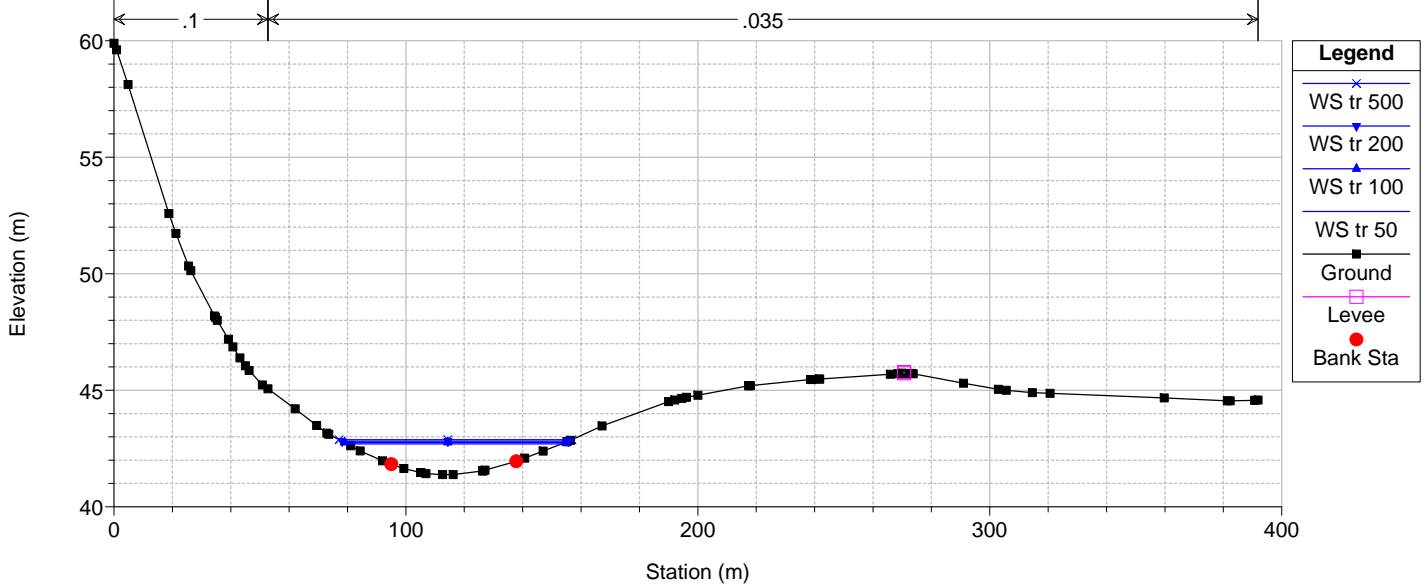
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4300 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

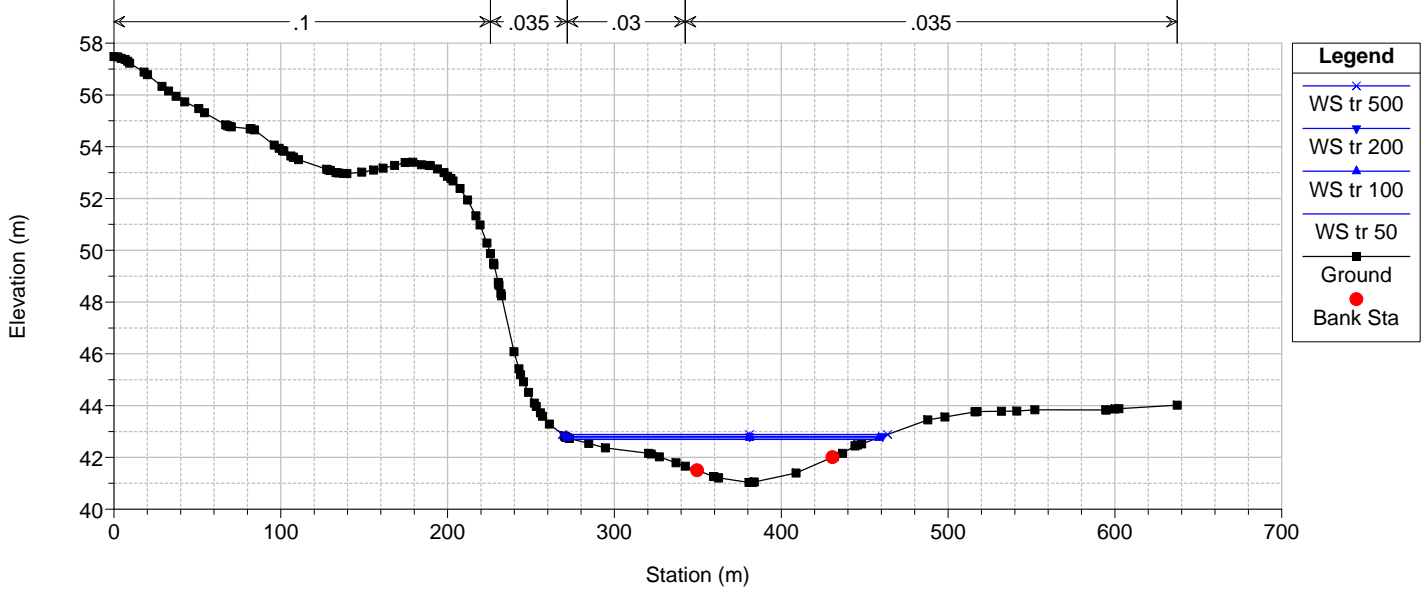
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4200 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

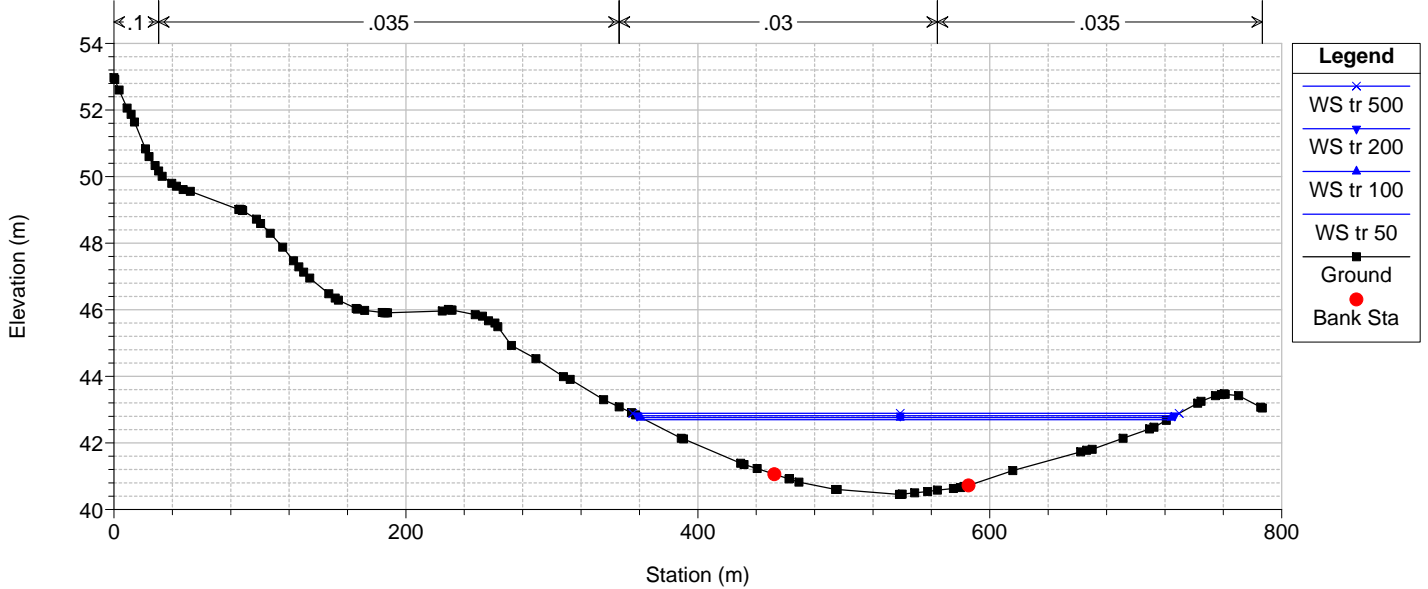
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4100 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

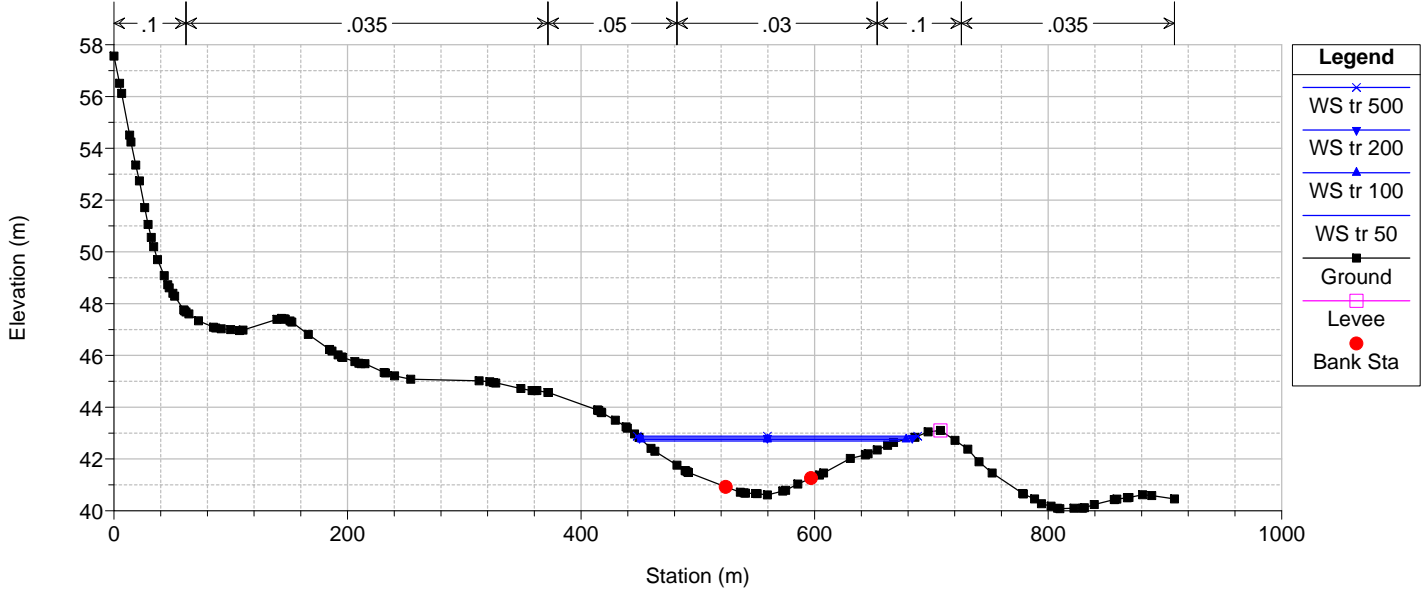
River = Rio Guidongias Reach = Asta 2 - 3 RS = 4000 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

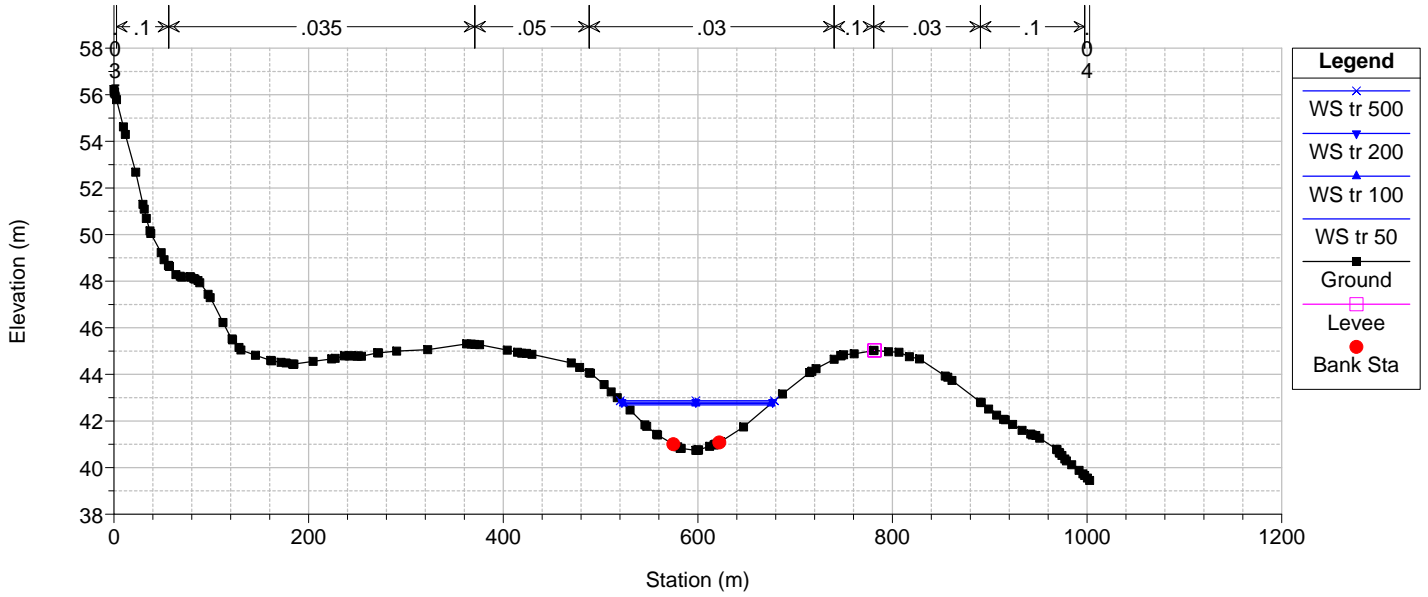
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3900 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

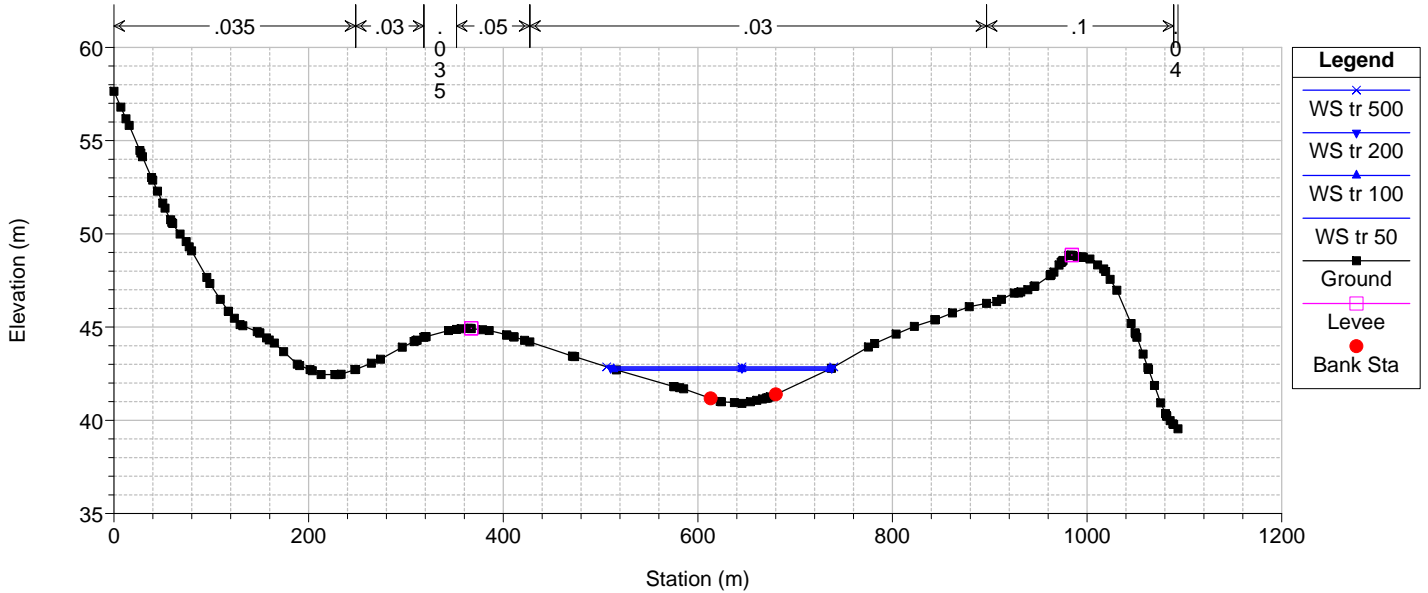
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3800 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

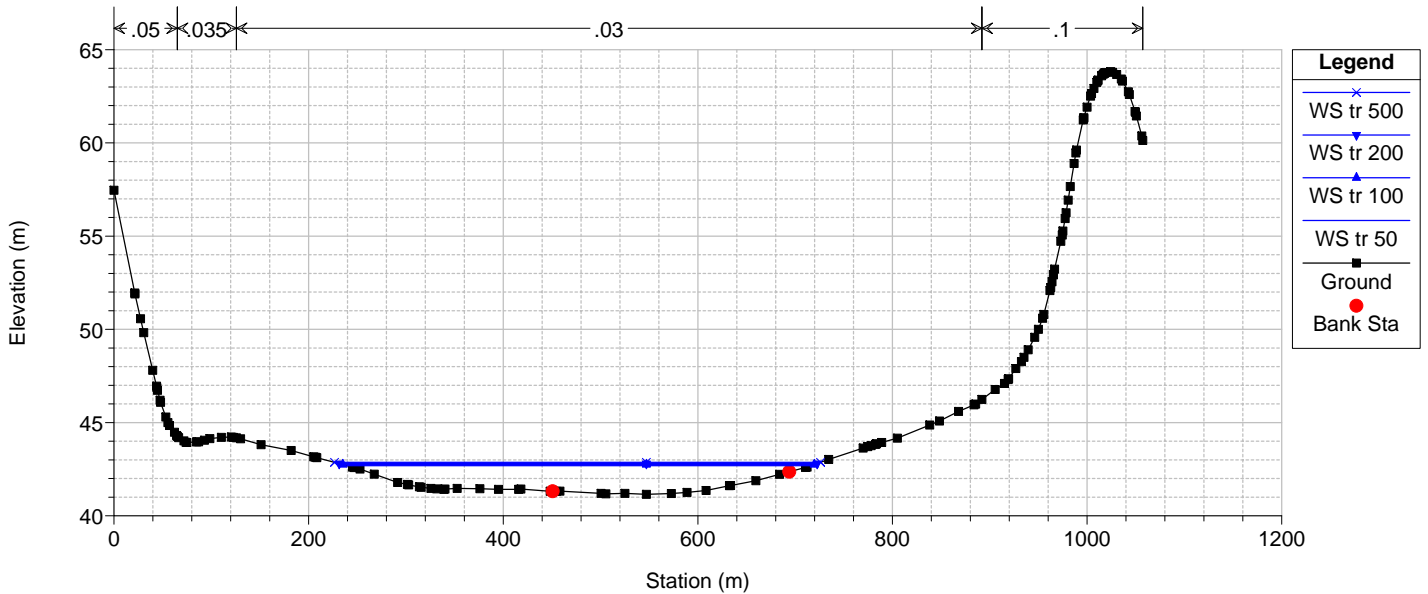
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3700 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

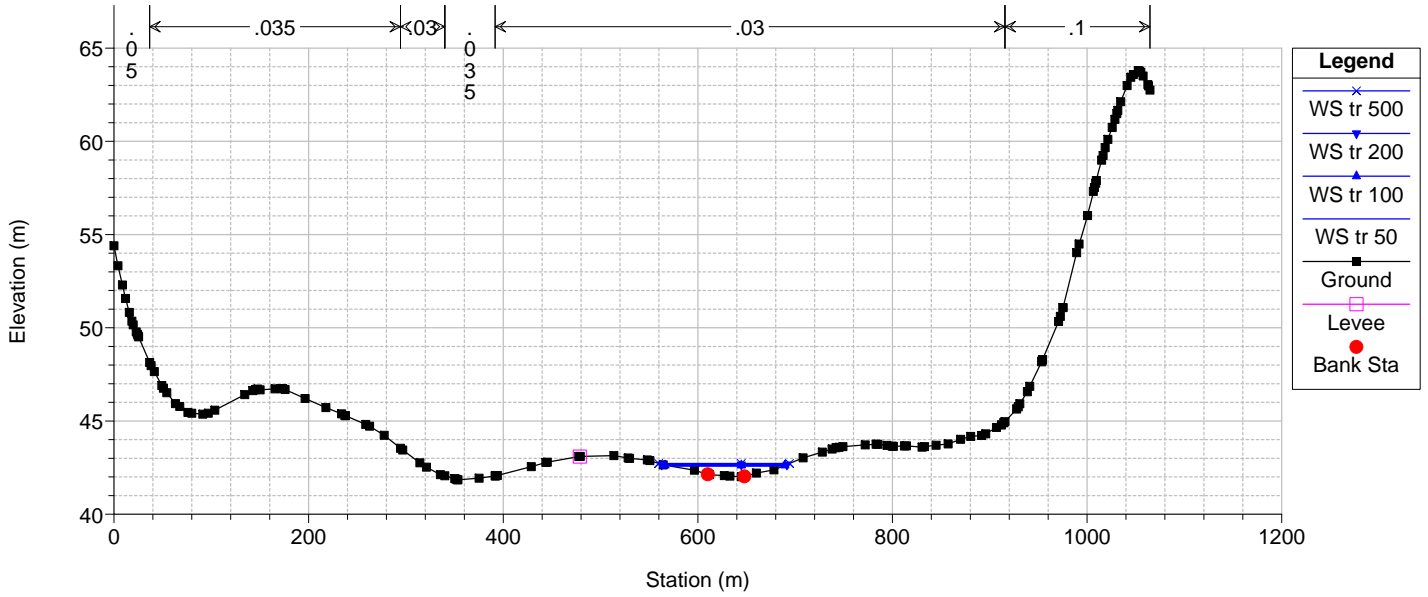
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3600 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

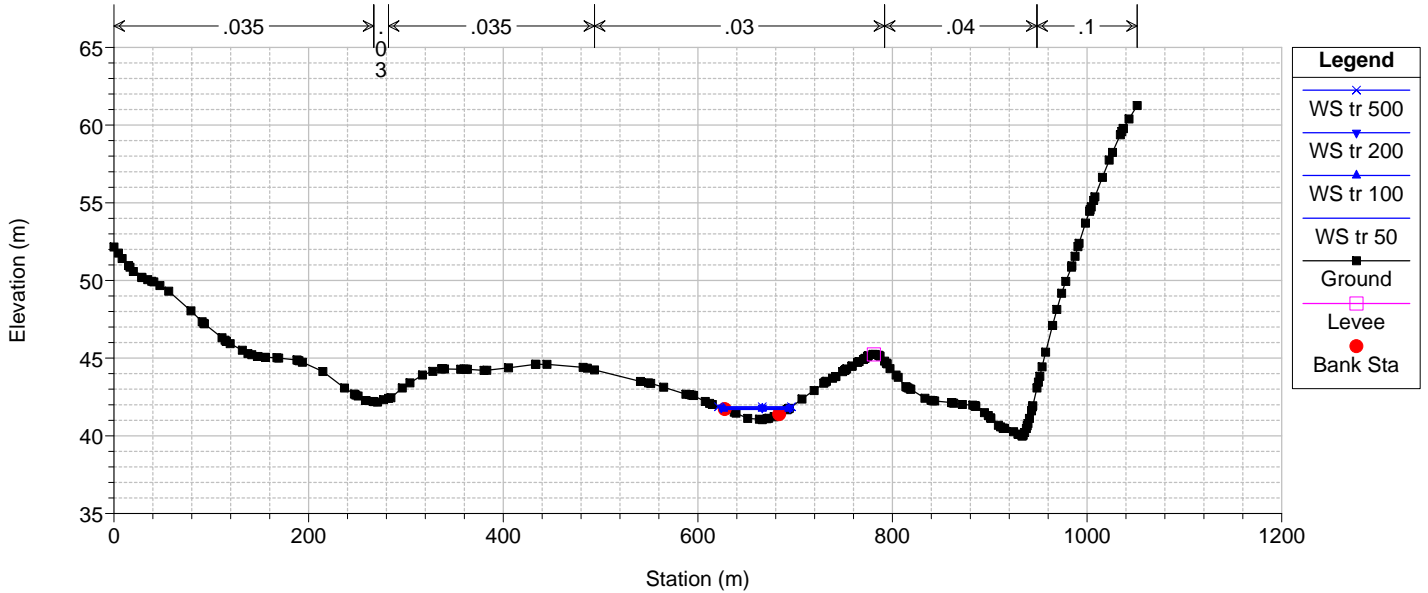
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3500 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

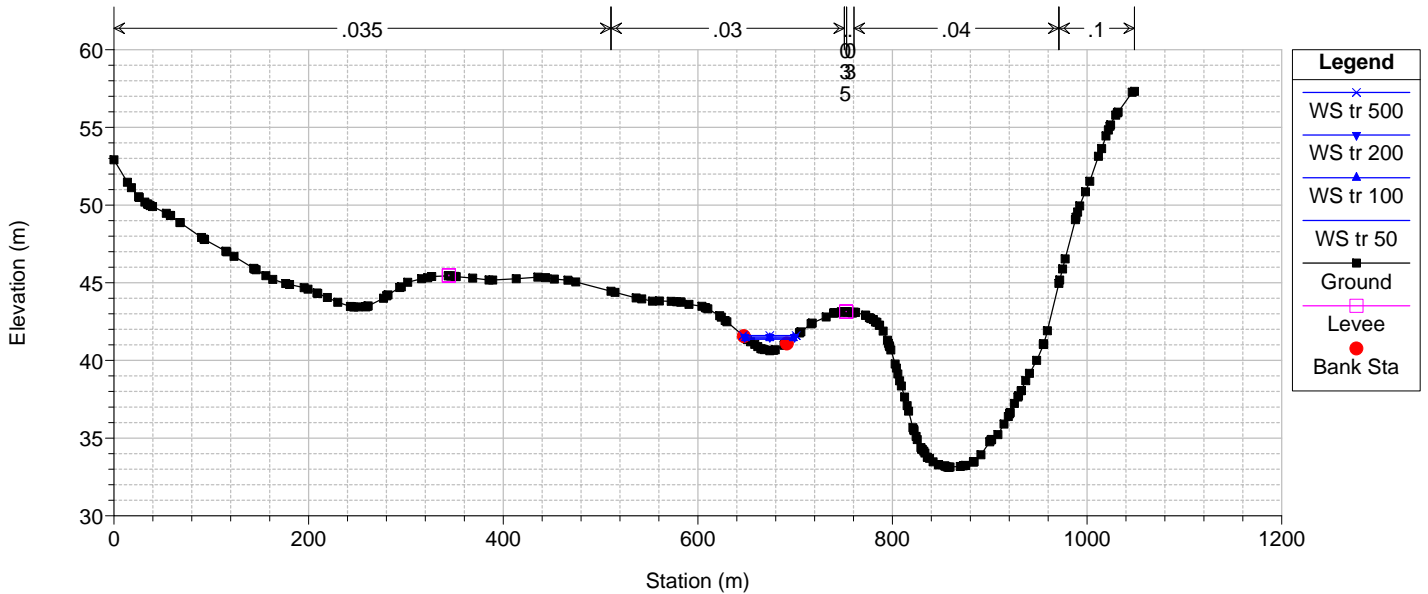
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3419.624 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

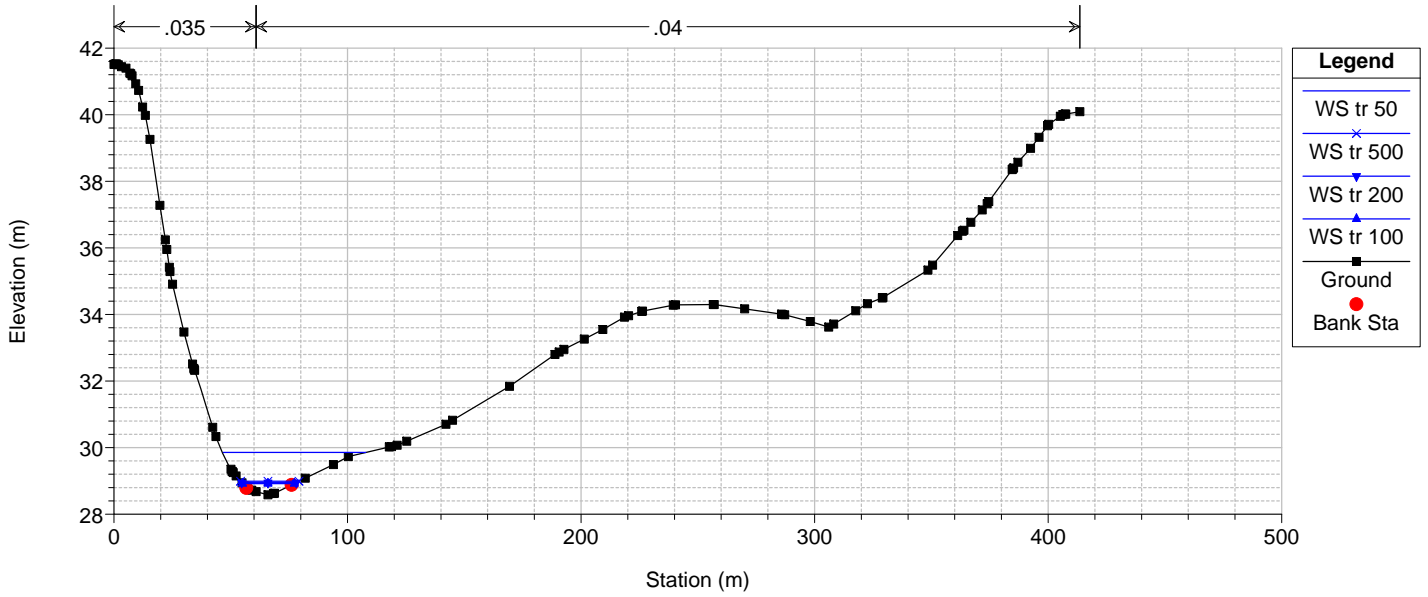
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3400 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

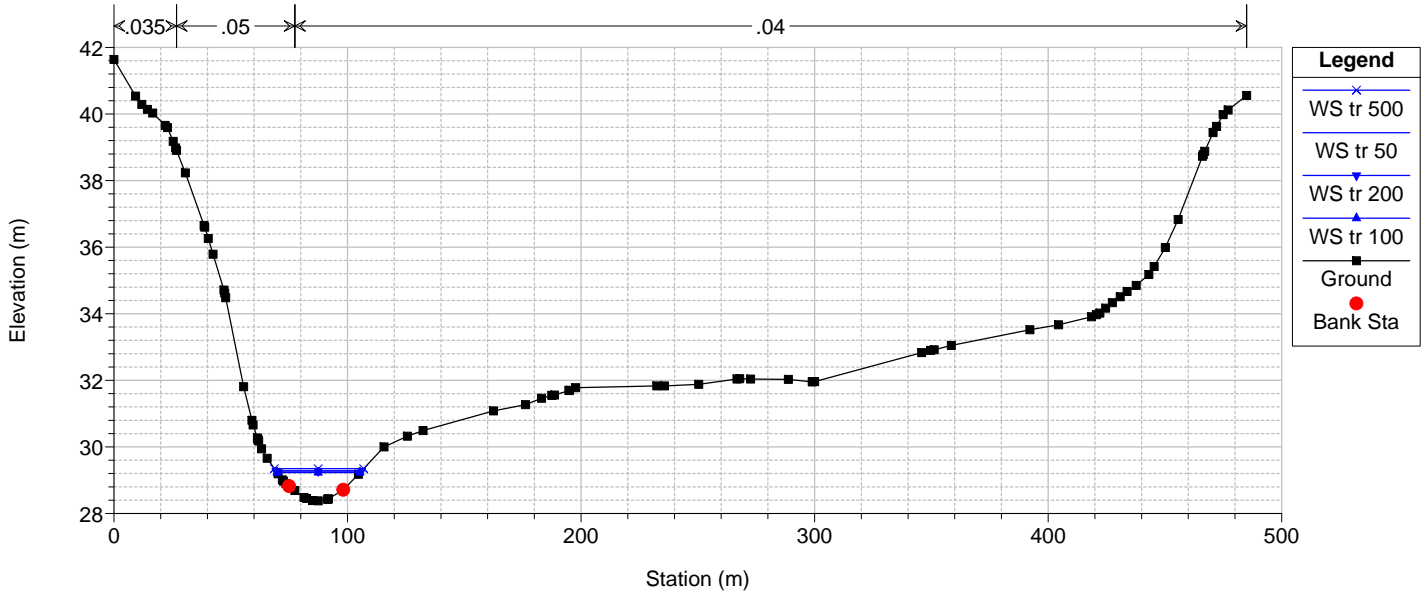
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3338.76 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

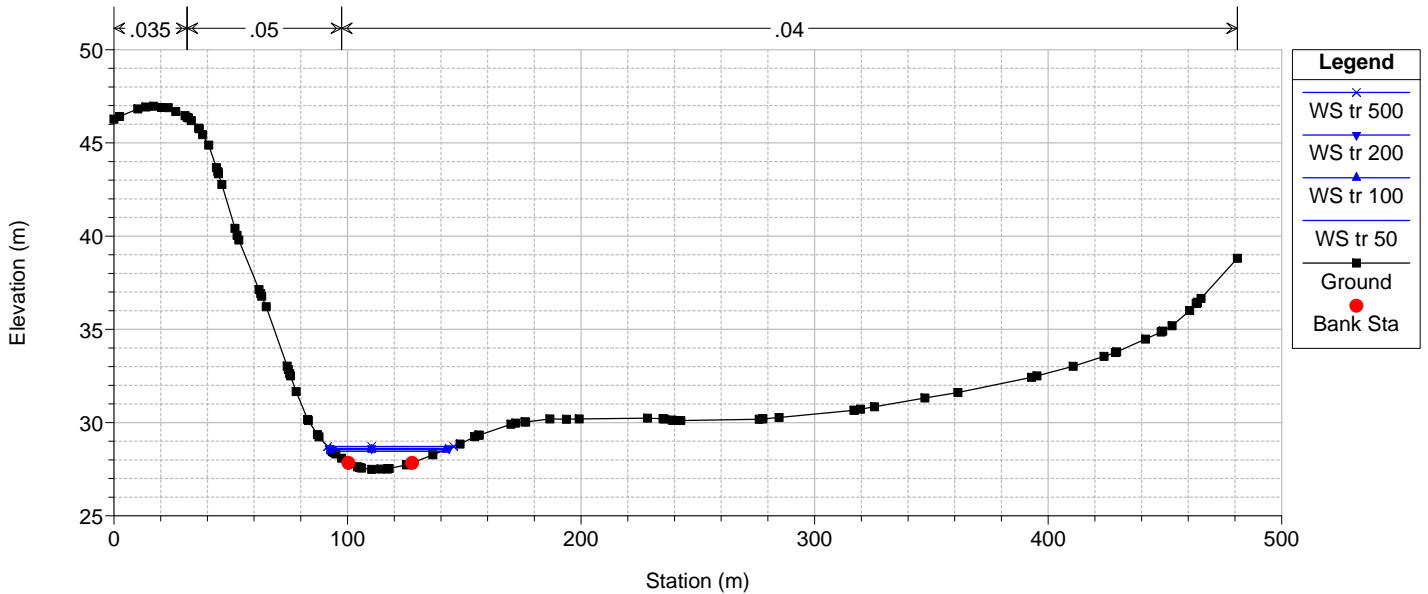
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3276.439 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

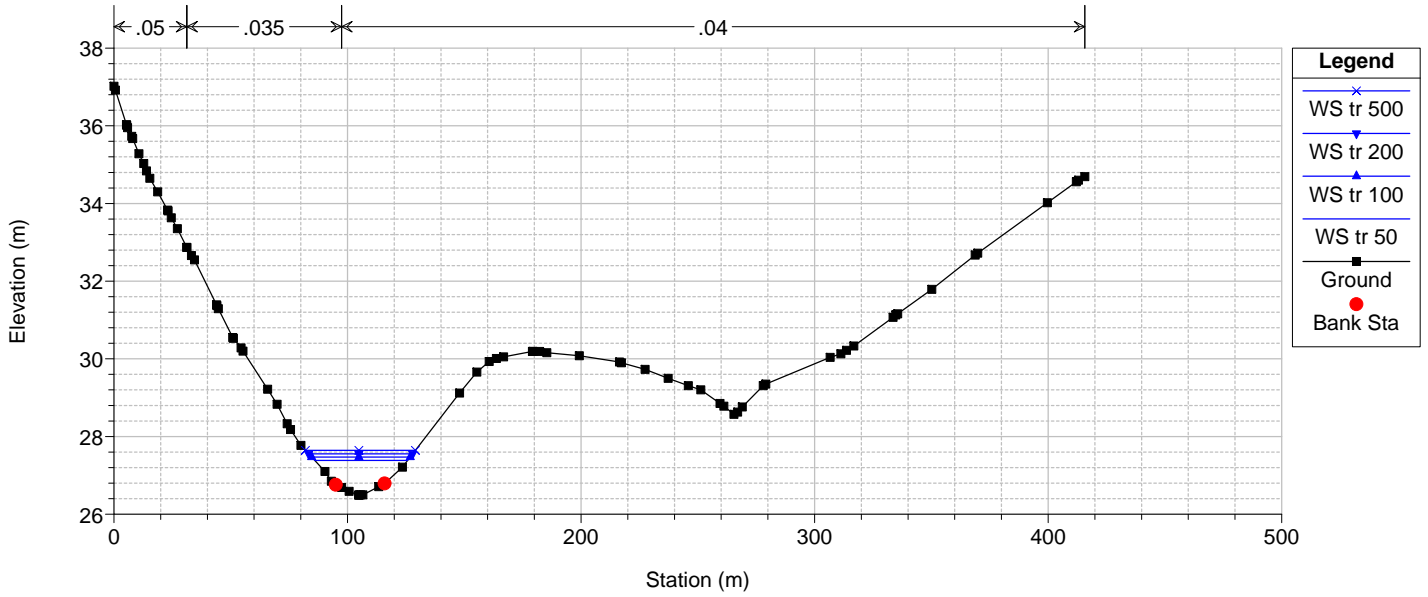
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3199.66 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

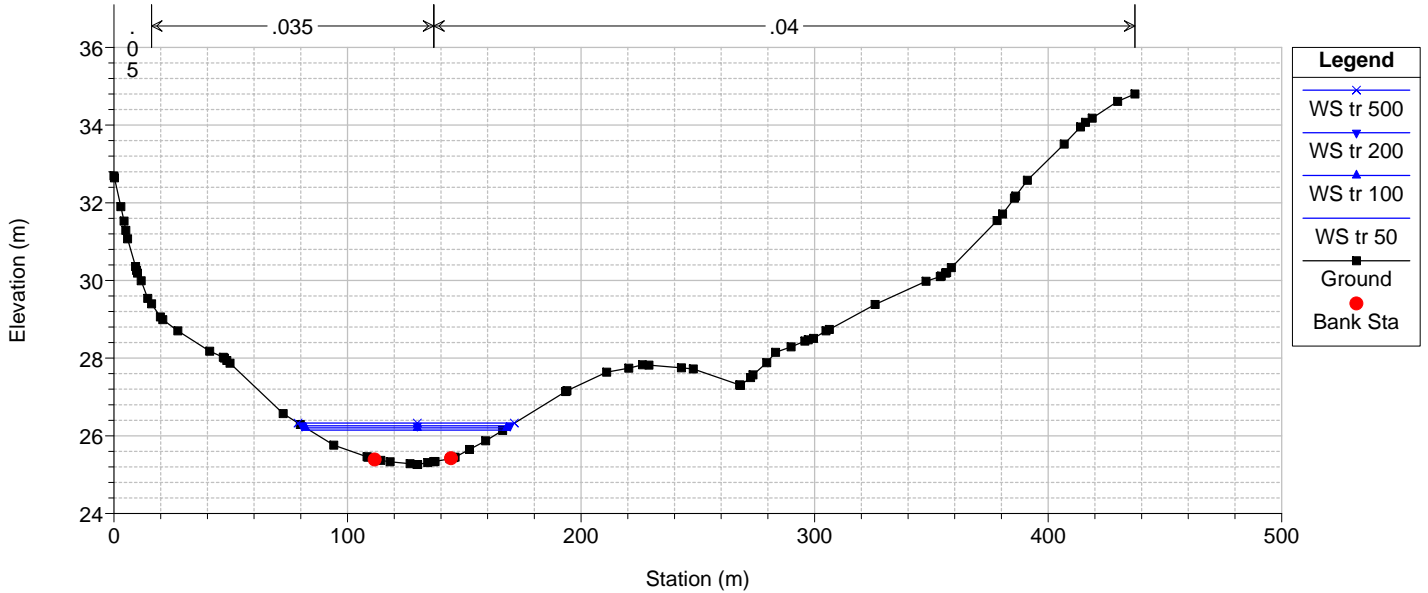
River = Rio Guidongias Reach = Asta 2 - 3 RS = 3100.73 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

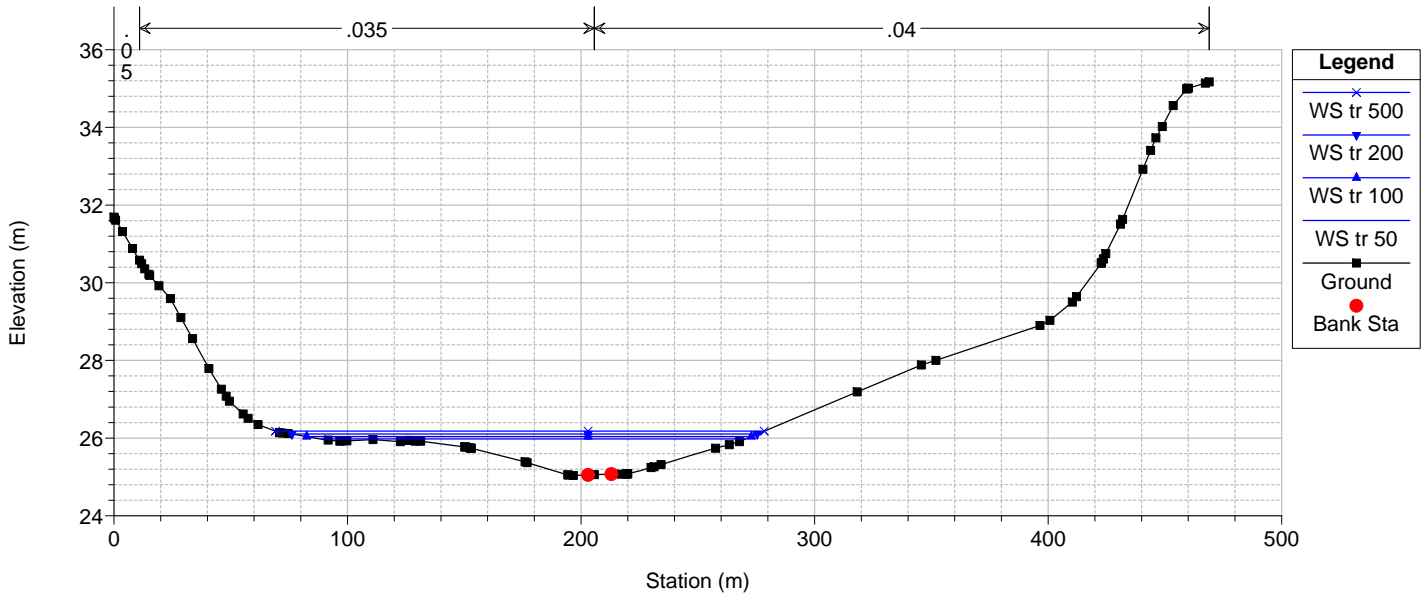
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2992.008 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

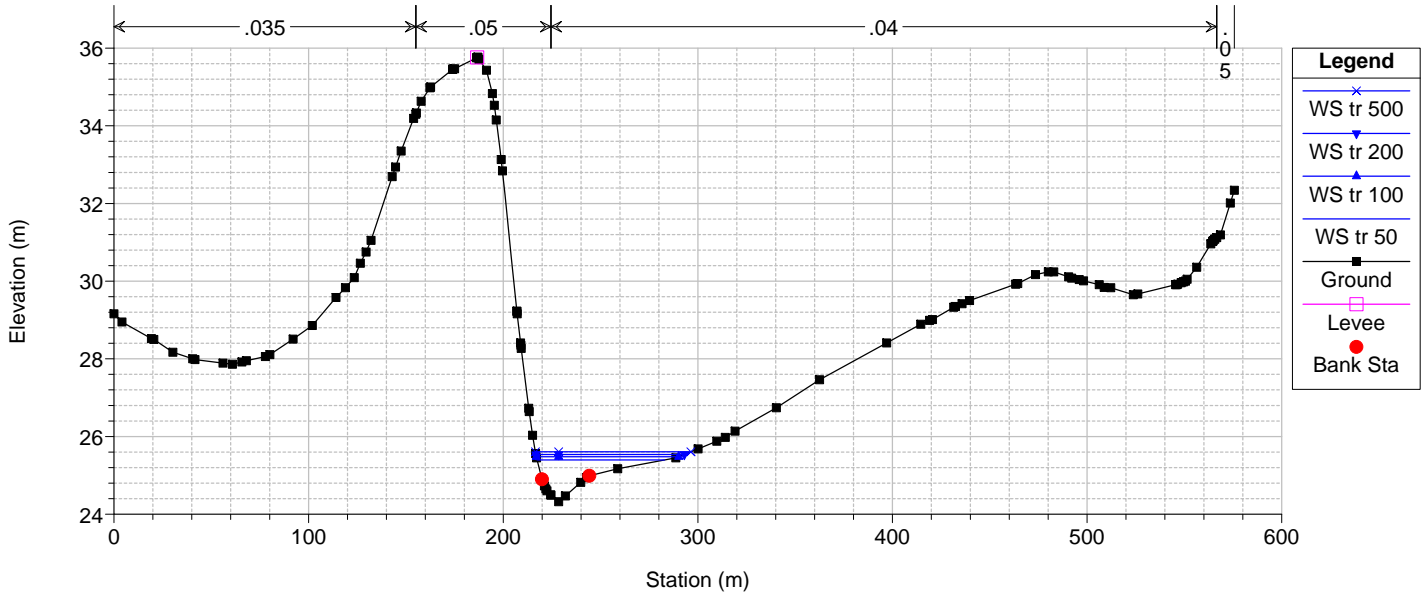
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2900.397 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

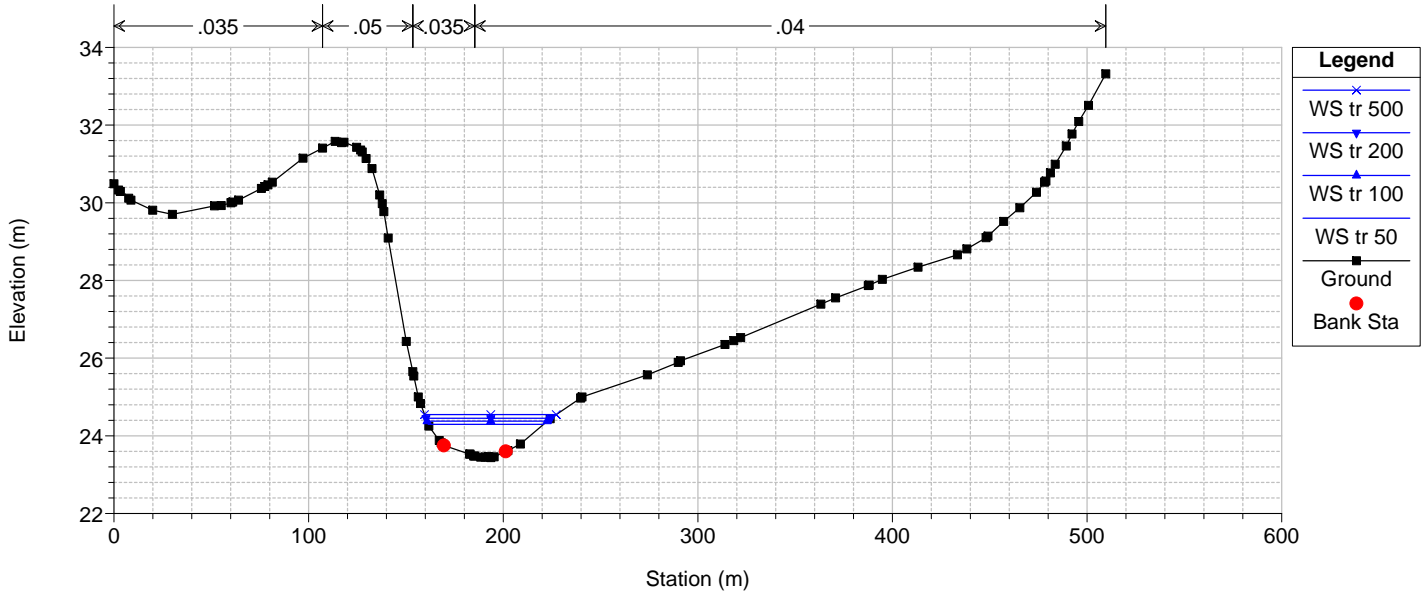
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2799.861 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

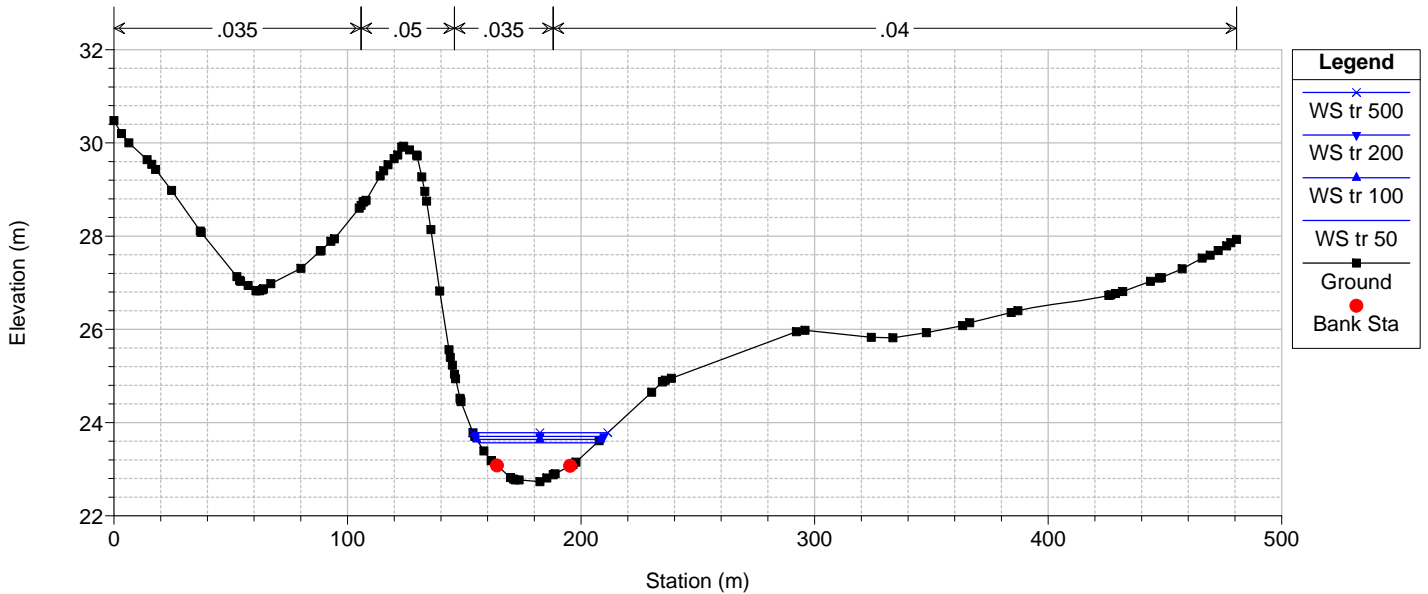
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2698.53 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

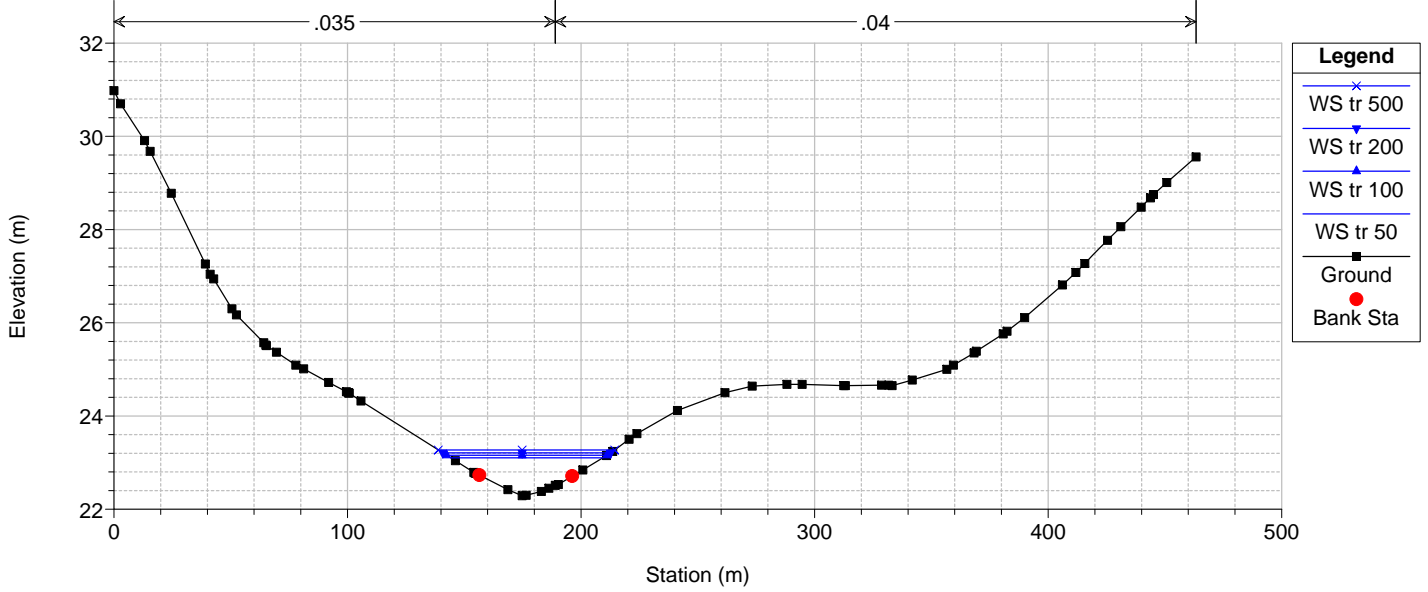
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2599.269 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

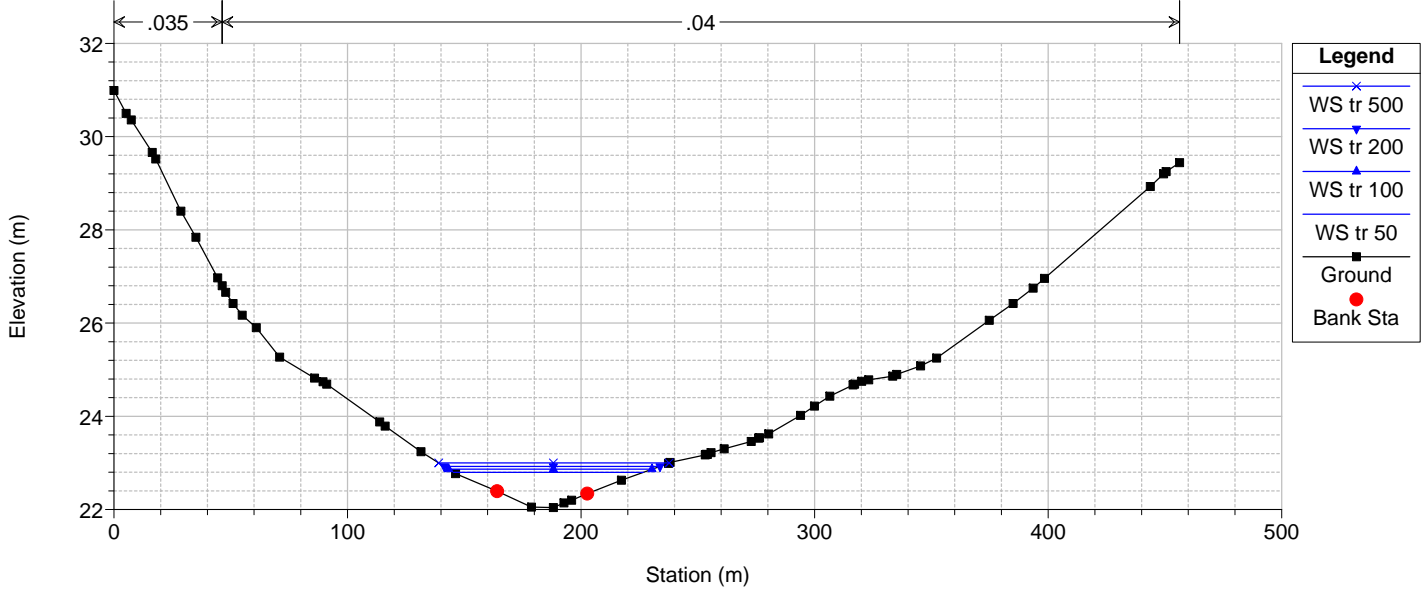
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2537.407 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

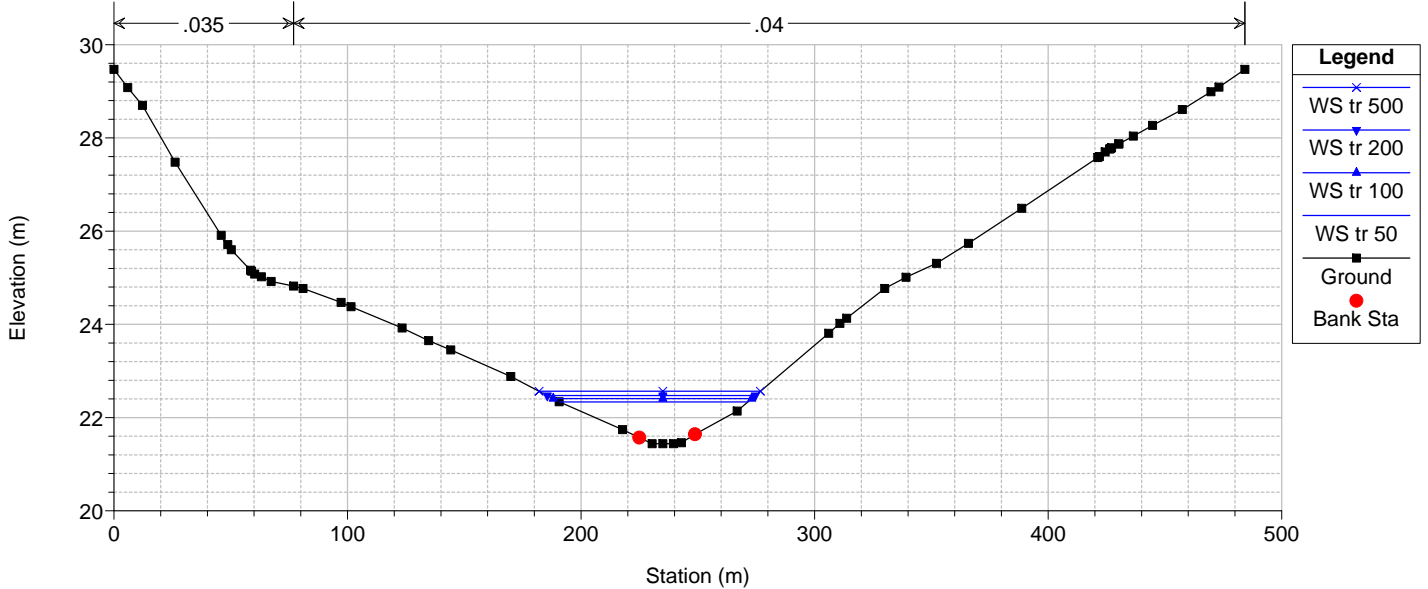
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2498.135 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

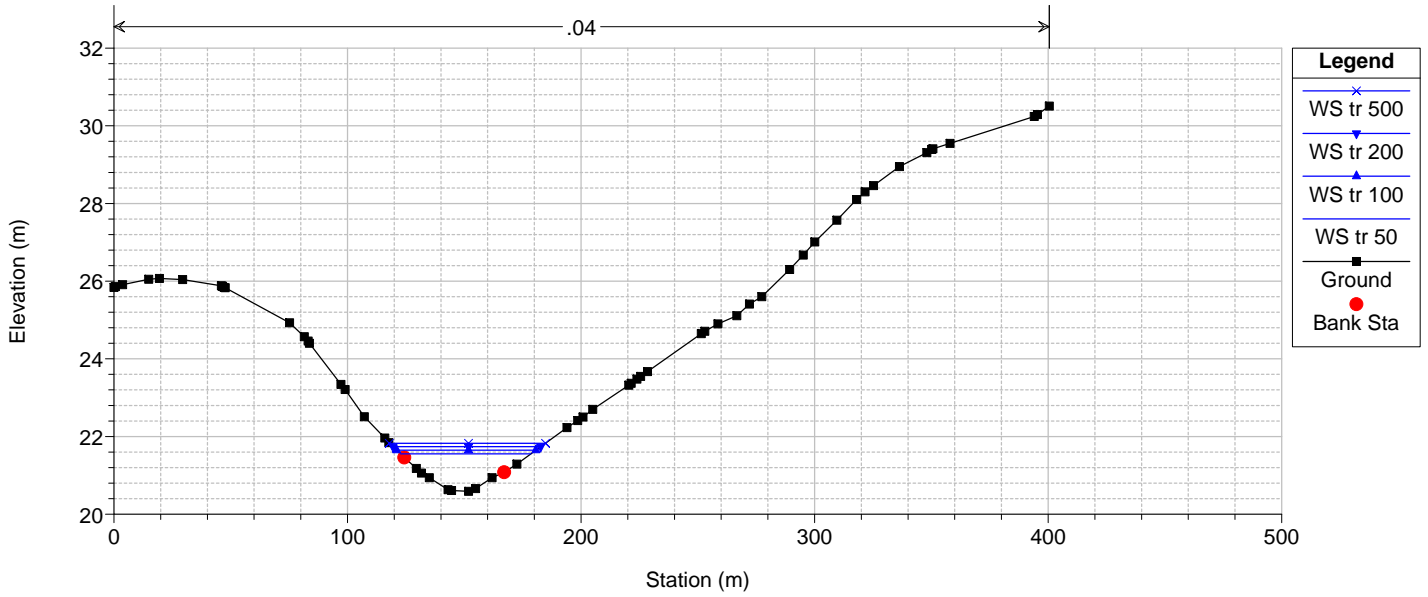
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2417.199 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

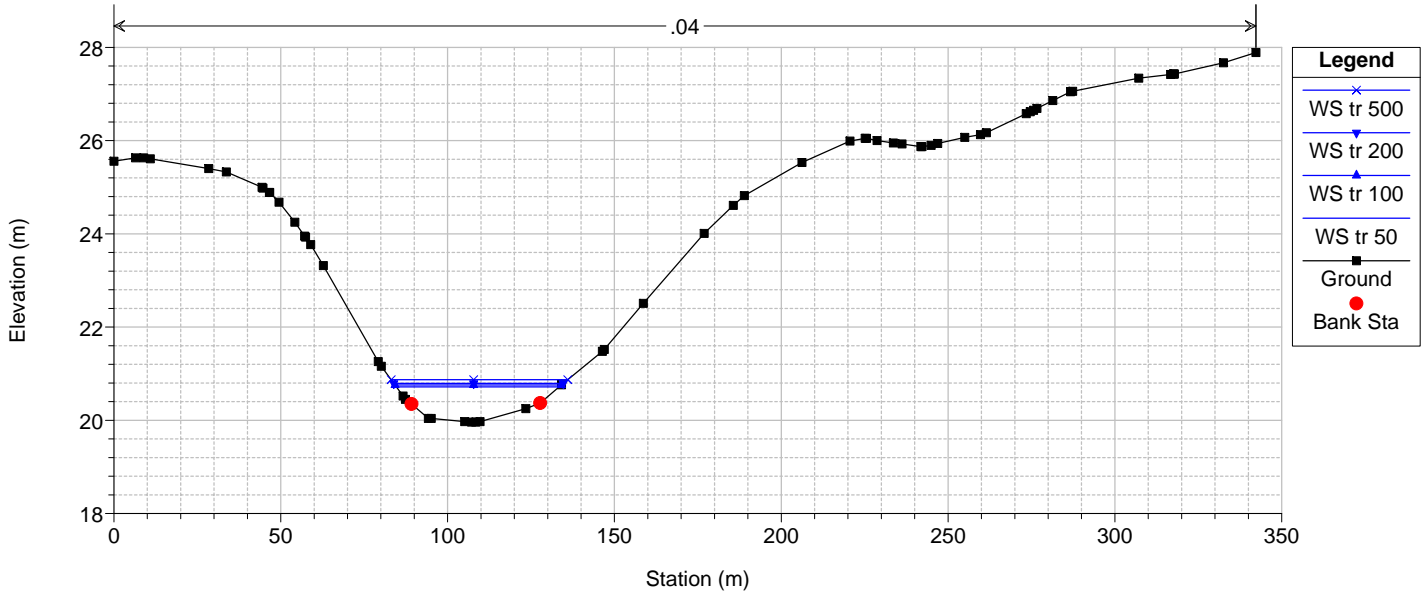
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2281.544 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

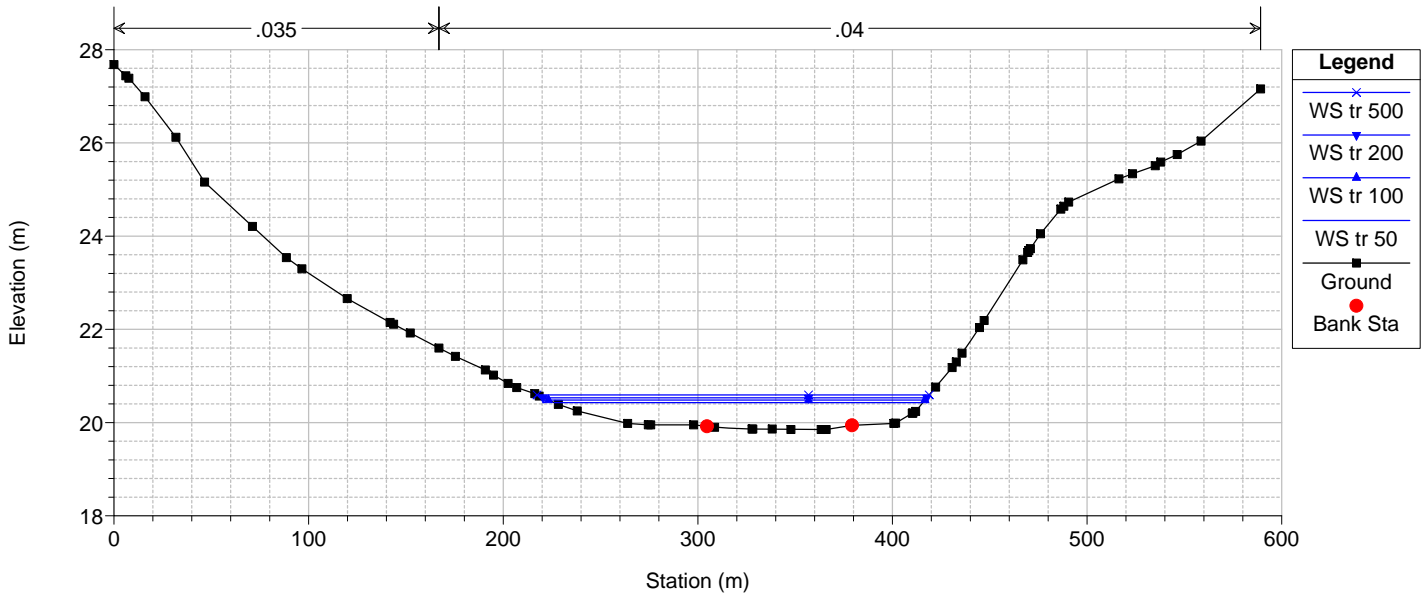
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2195.509 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

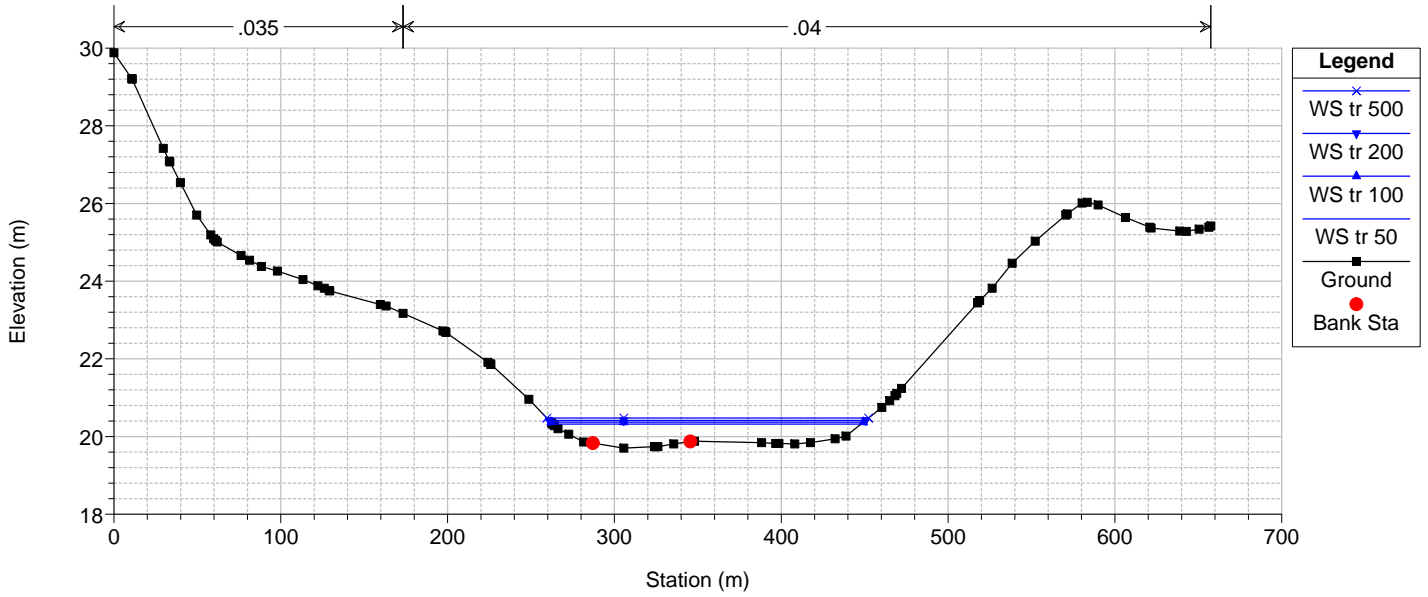
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2072.552 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

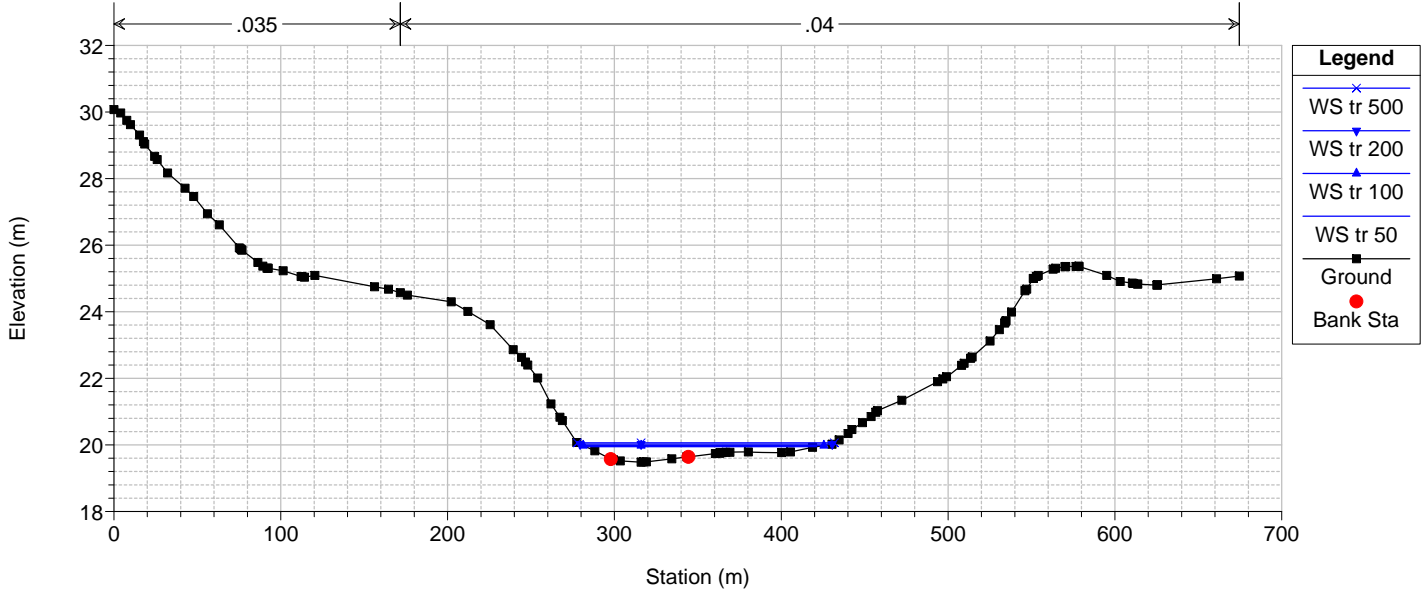
River = Rio Guidongias Reach = Asta 2 - 3 RS = 2002.034 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

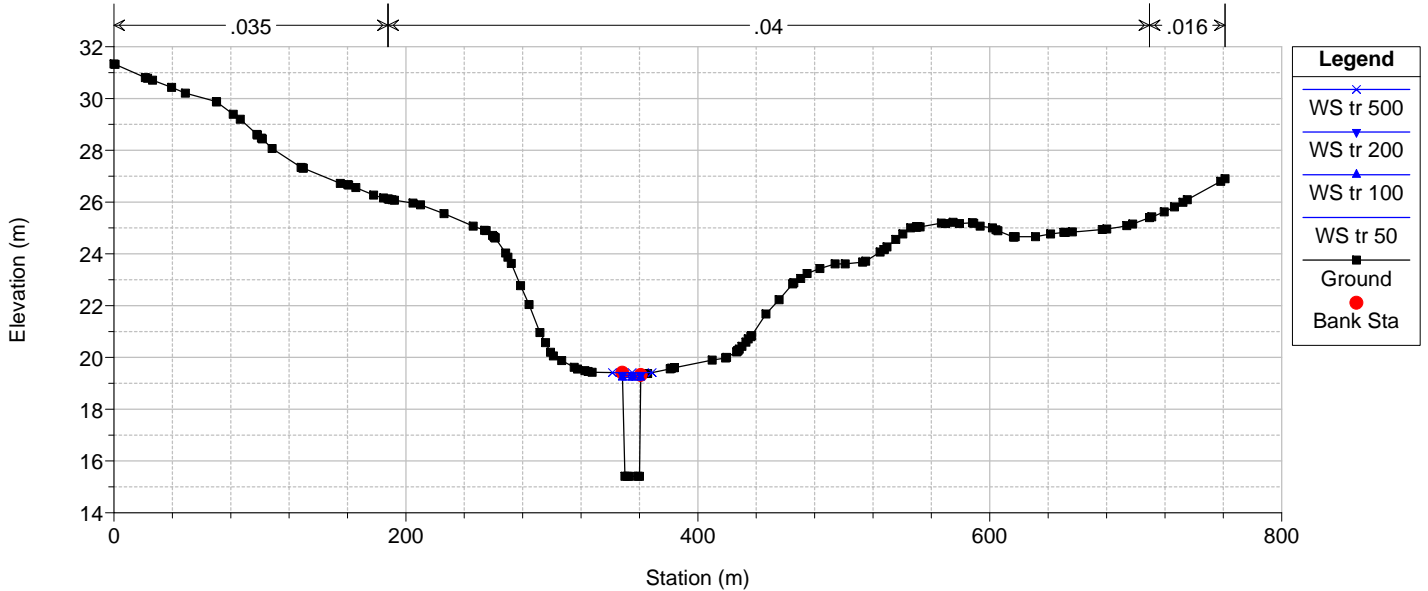
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1966.495 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

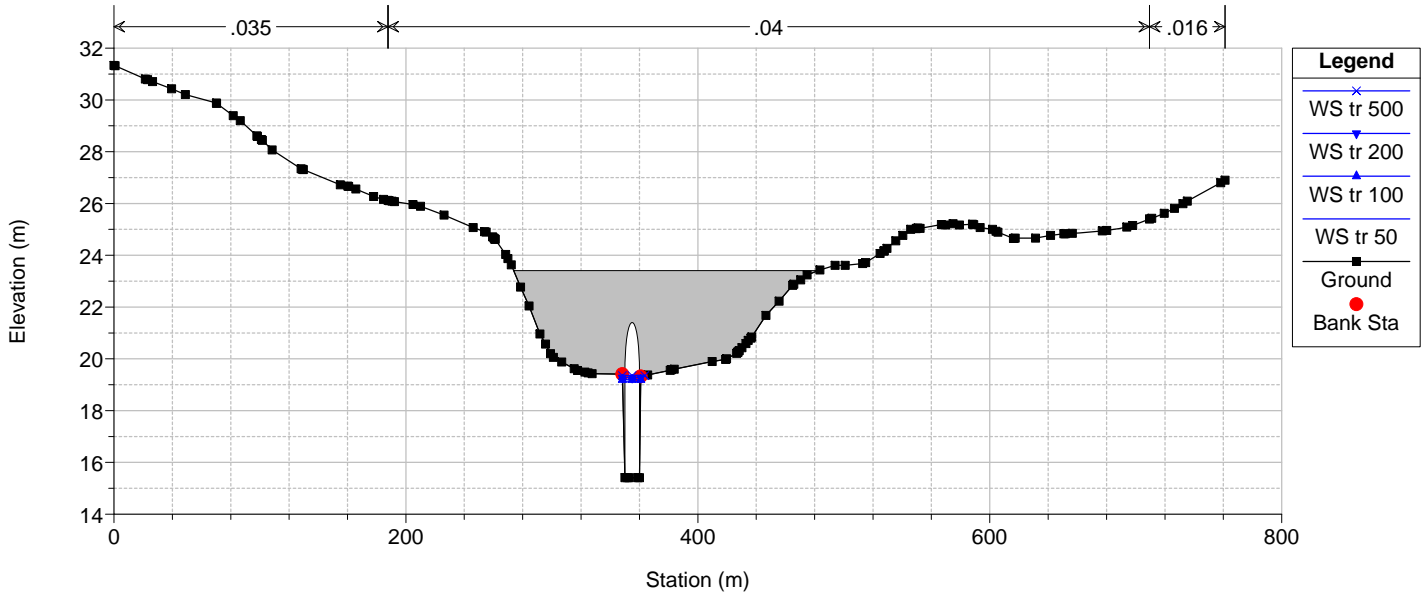
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1932.486 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

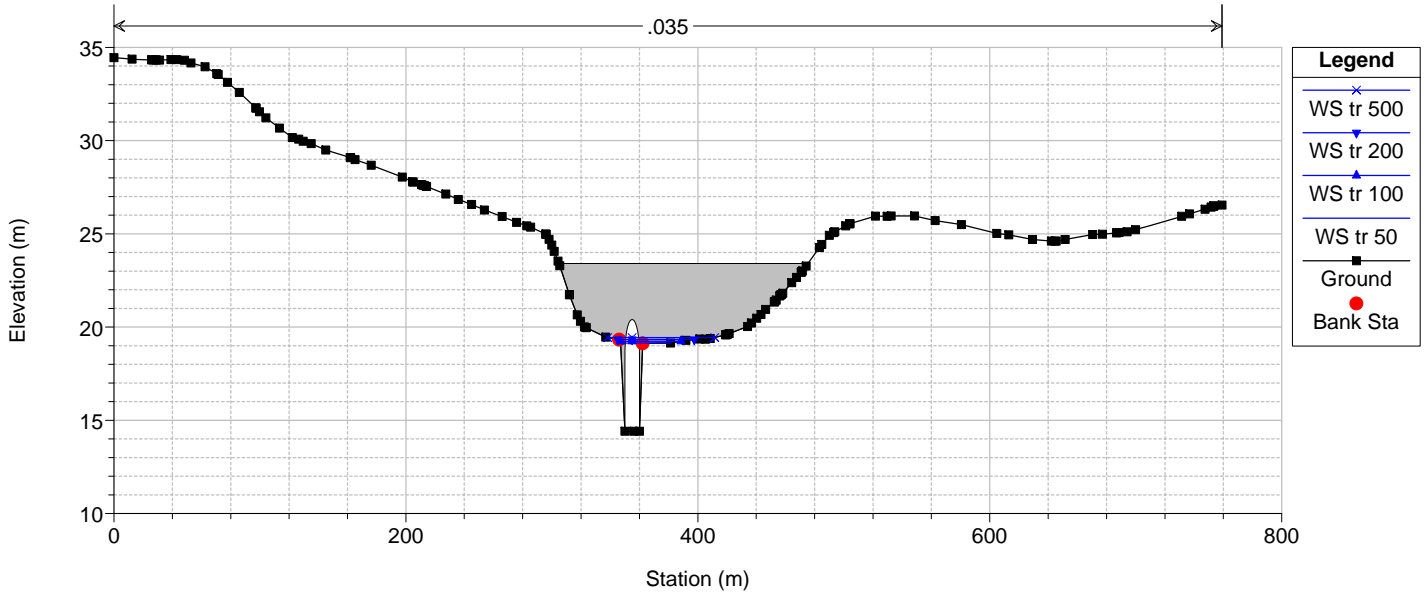
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1896.104 Culv COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

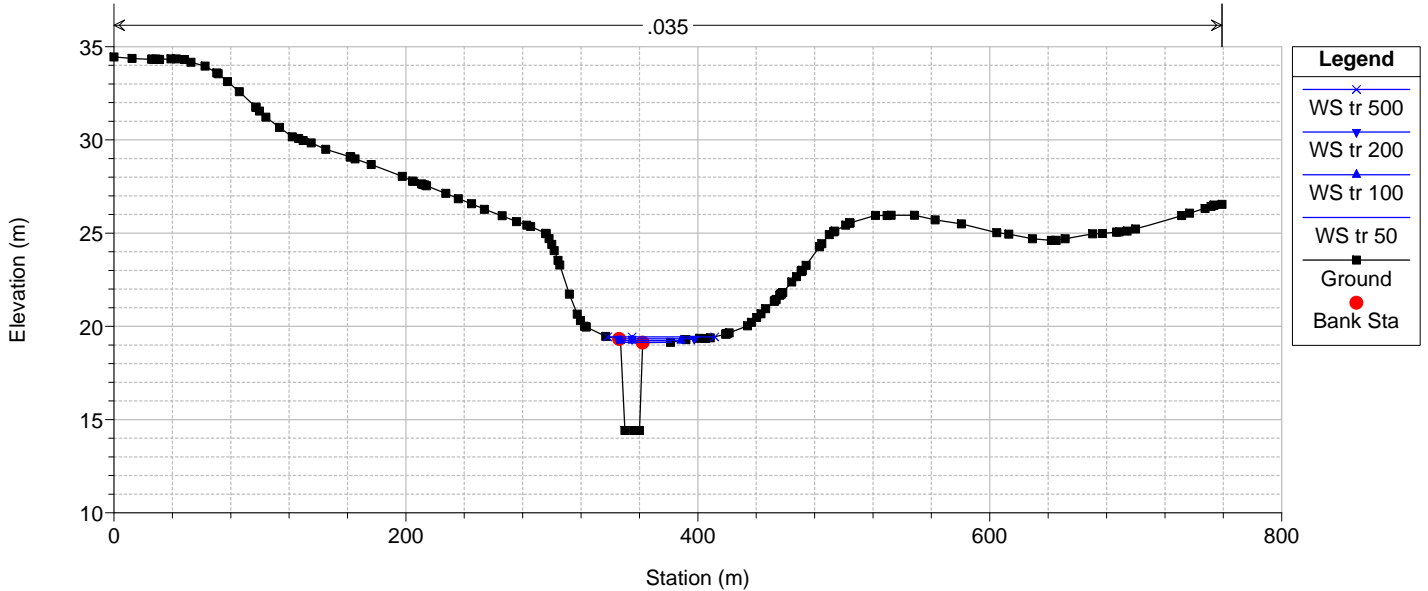
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1896.104 Culv COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

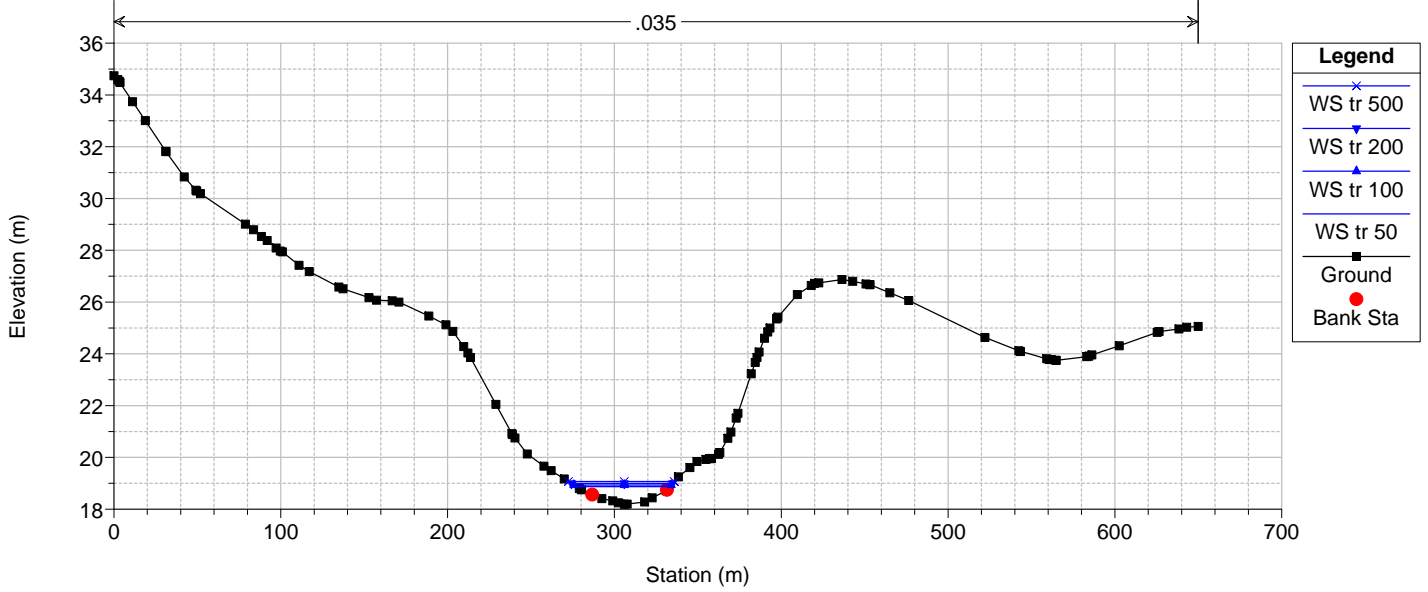
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1859.159 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

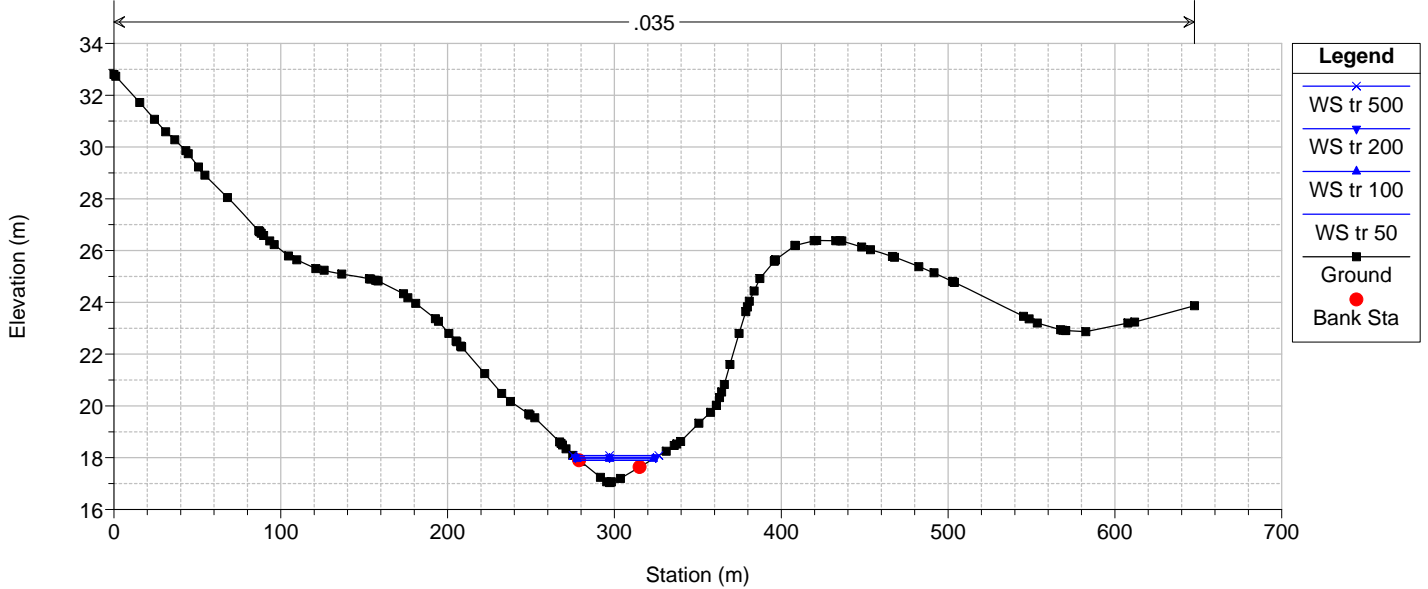
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1810.757 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

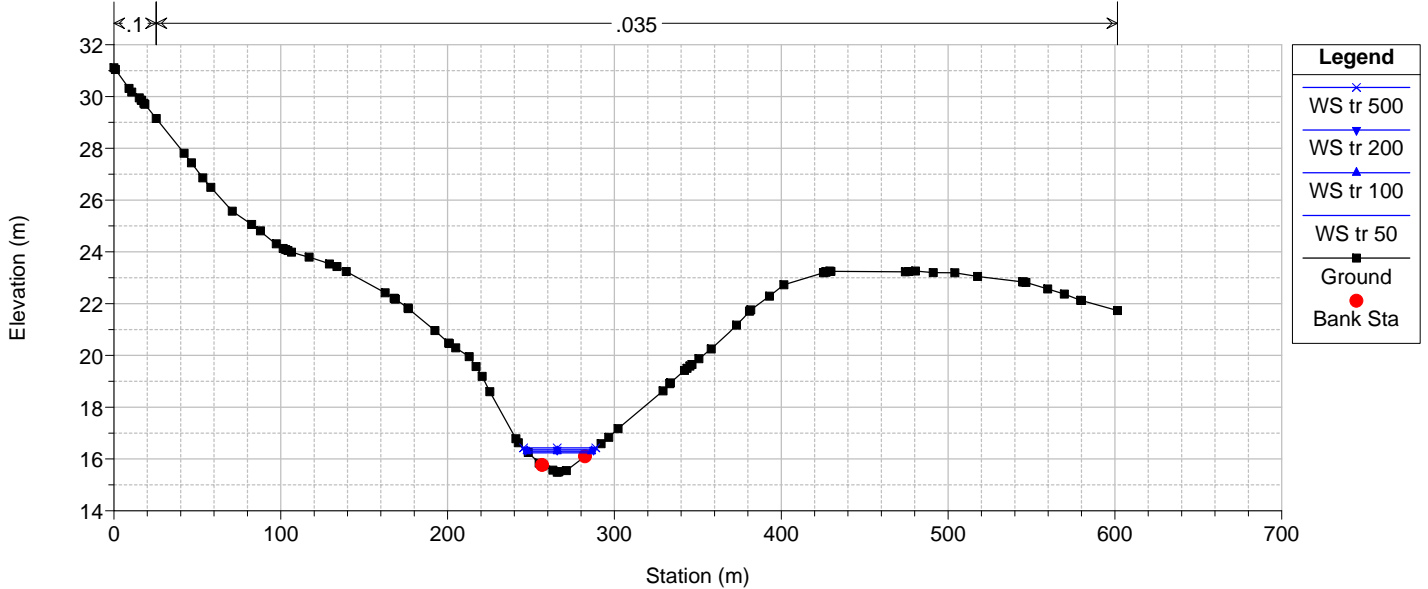
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1757.787 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

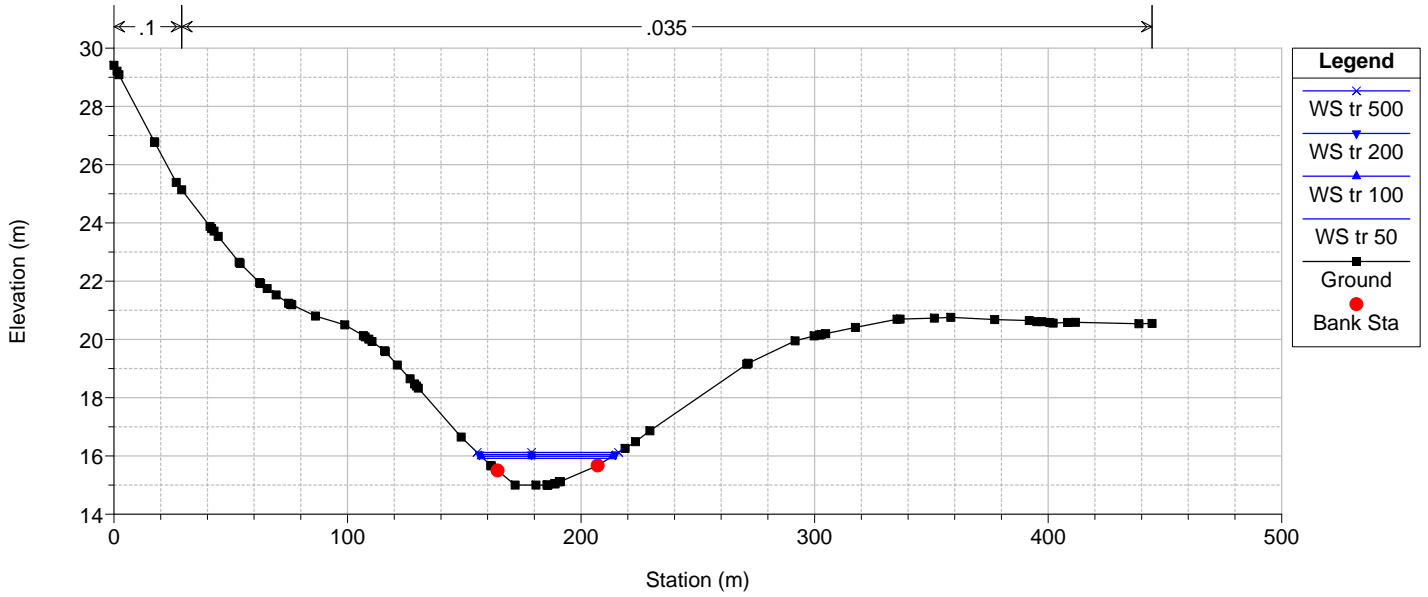
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1694.631 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

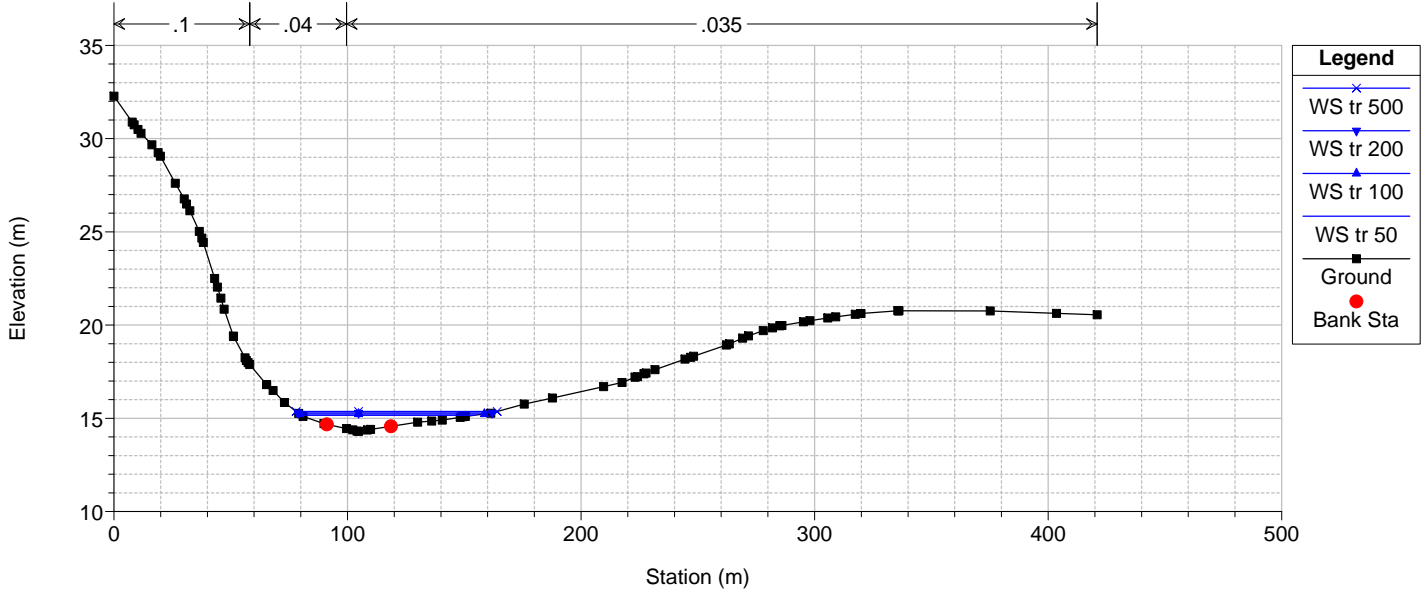
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1606.547 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

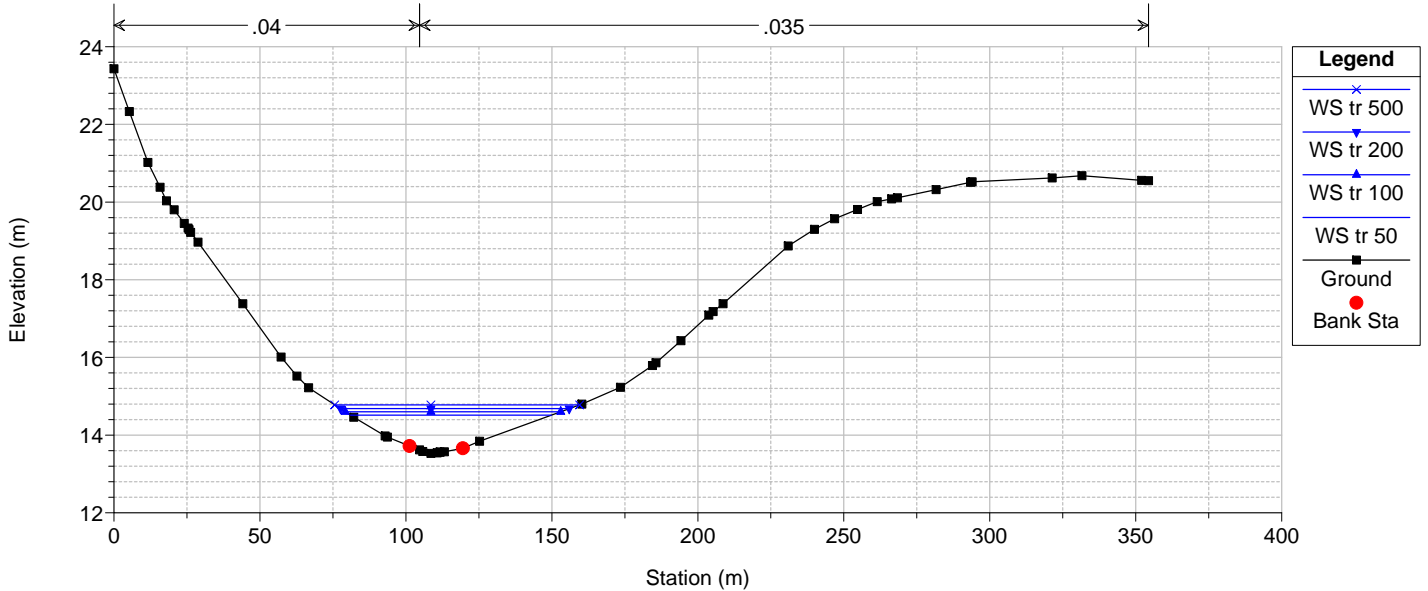
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1480.787 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

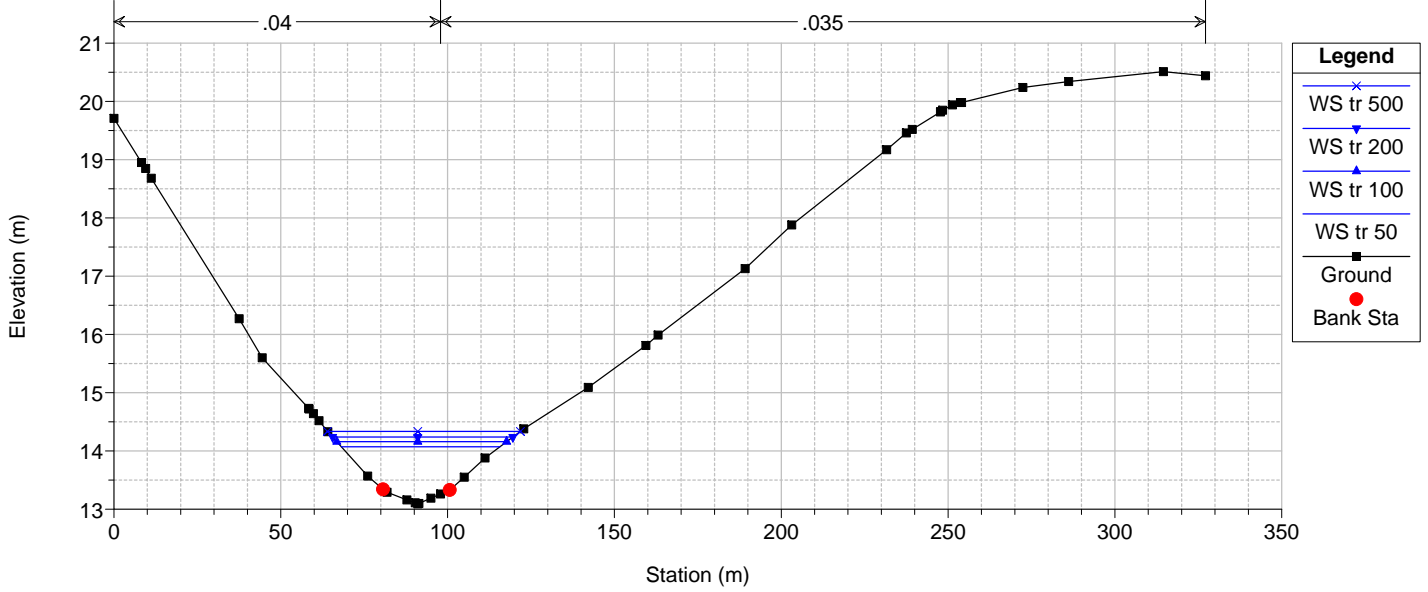
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1358.268 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

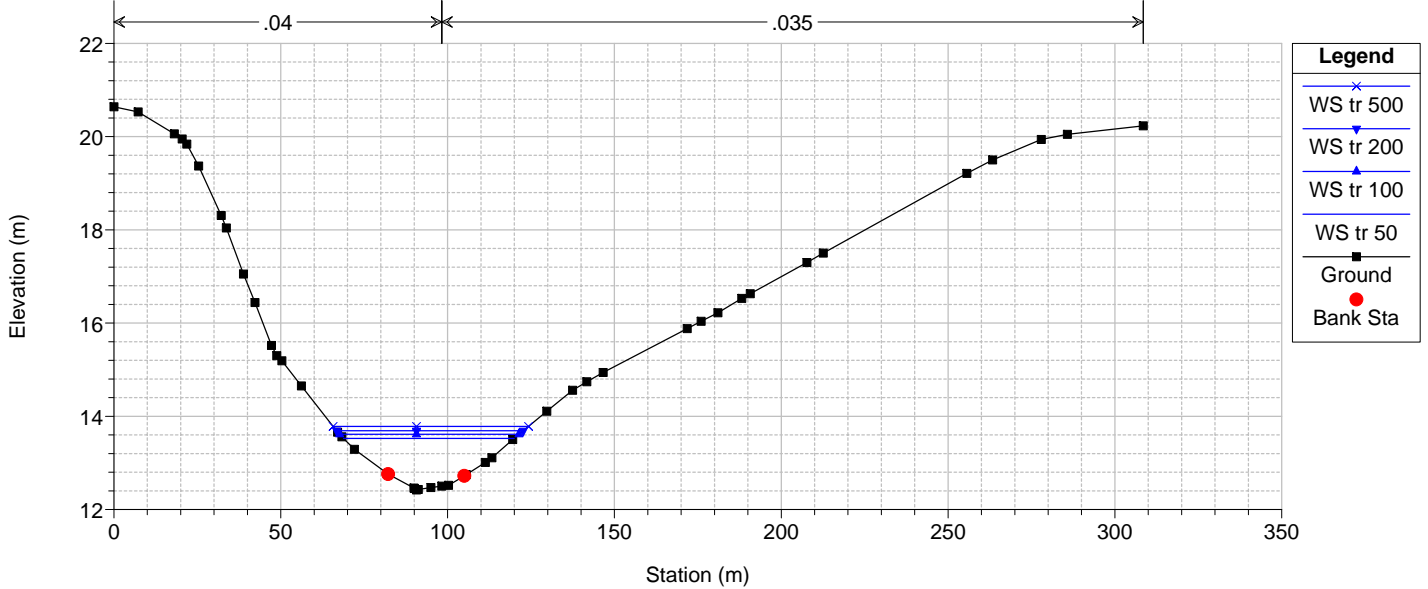
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1299.691 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

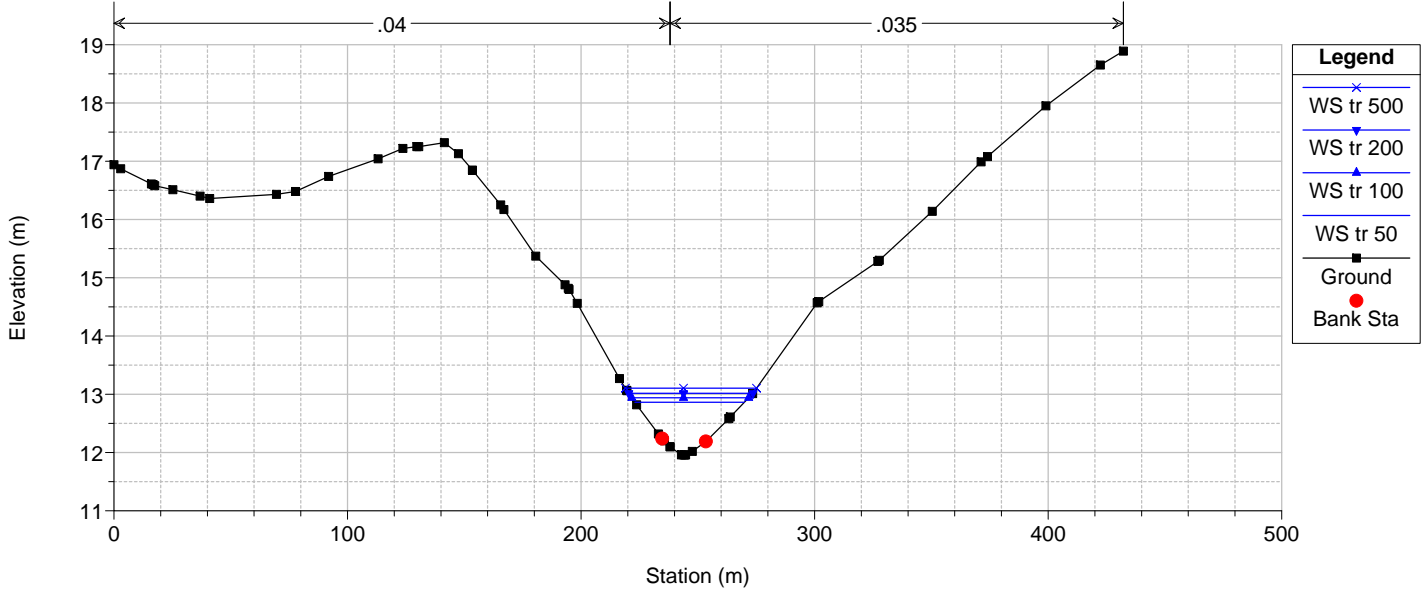
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1201.662 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

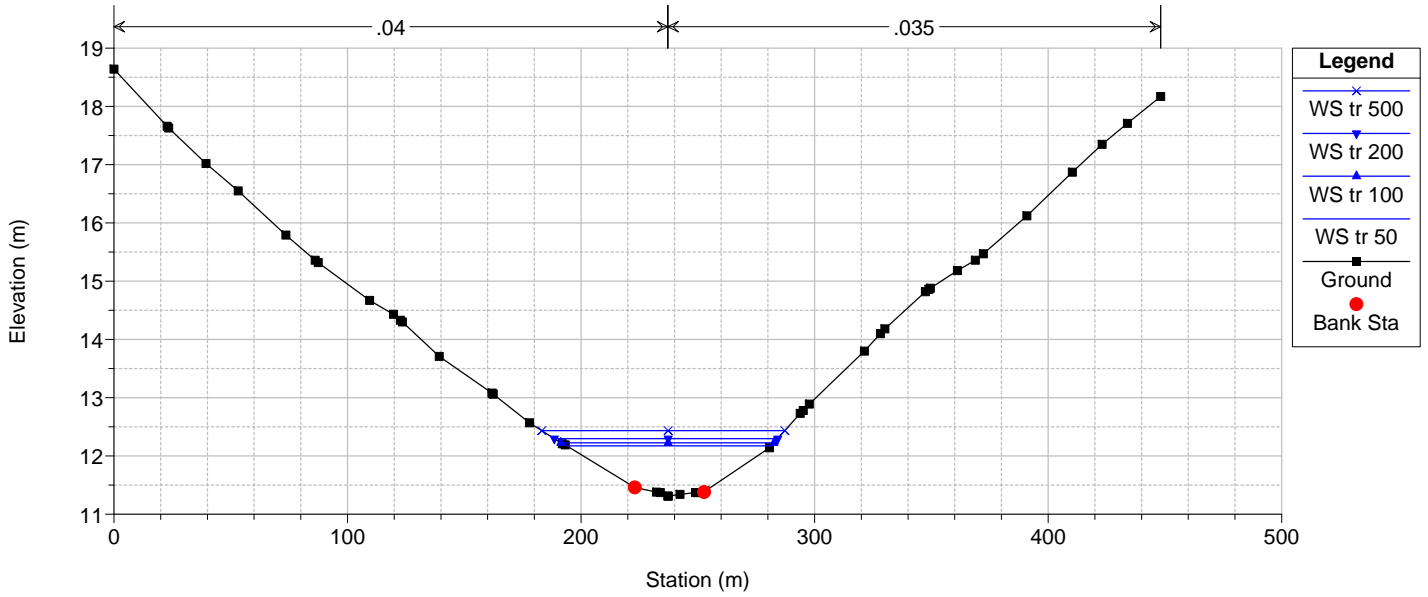
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1125.589 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

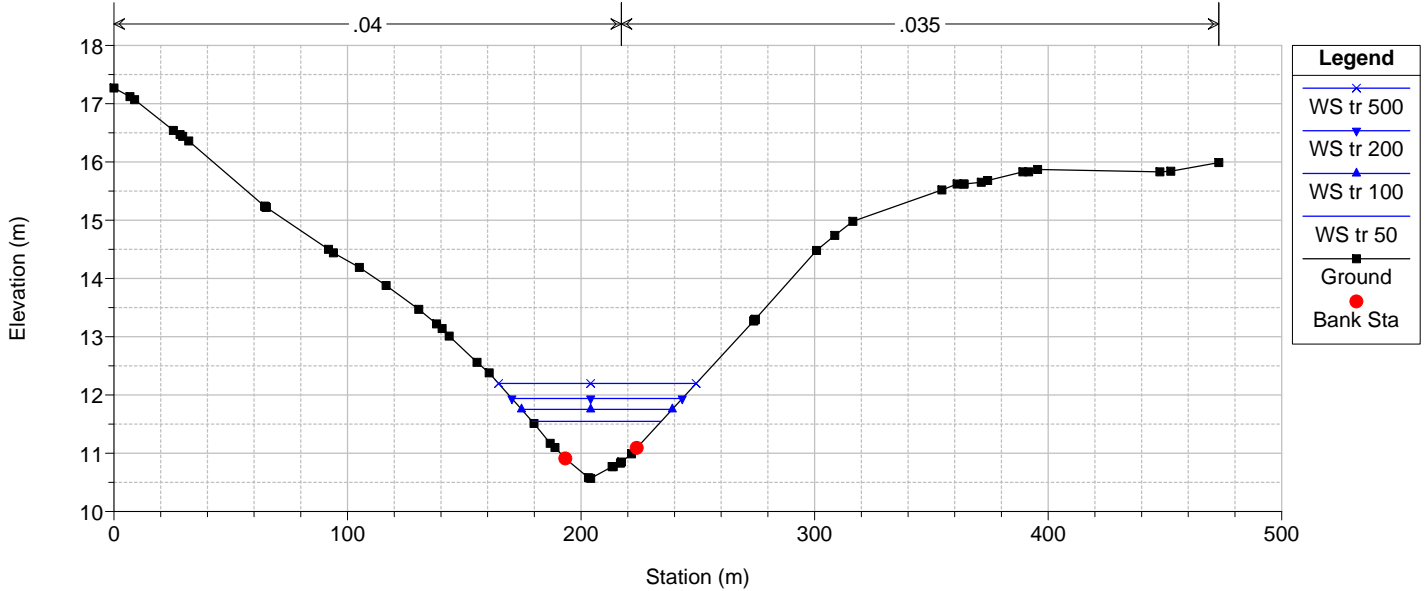
River = Rio Guidongias Reach = Asta 2 - 3 RS = 1002.289 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

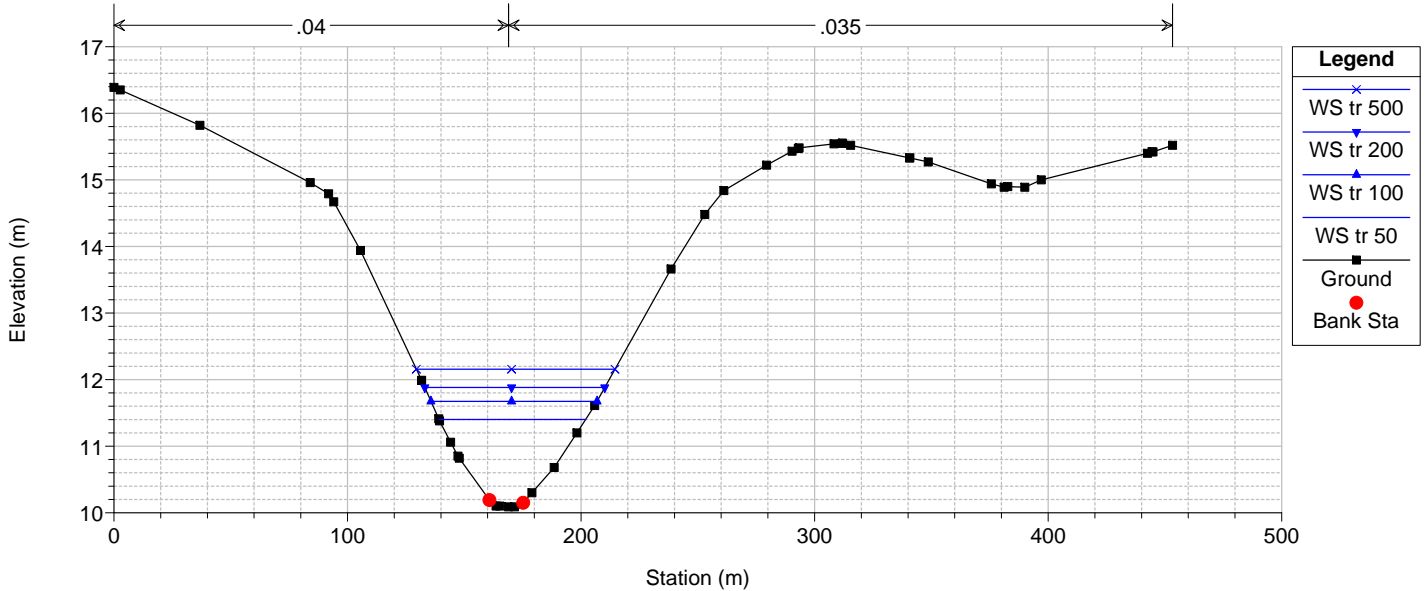
River = Rio Guidongias Reach = Asta 2 - 3 RS = 889.1185 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

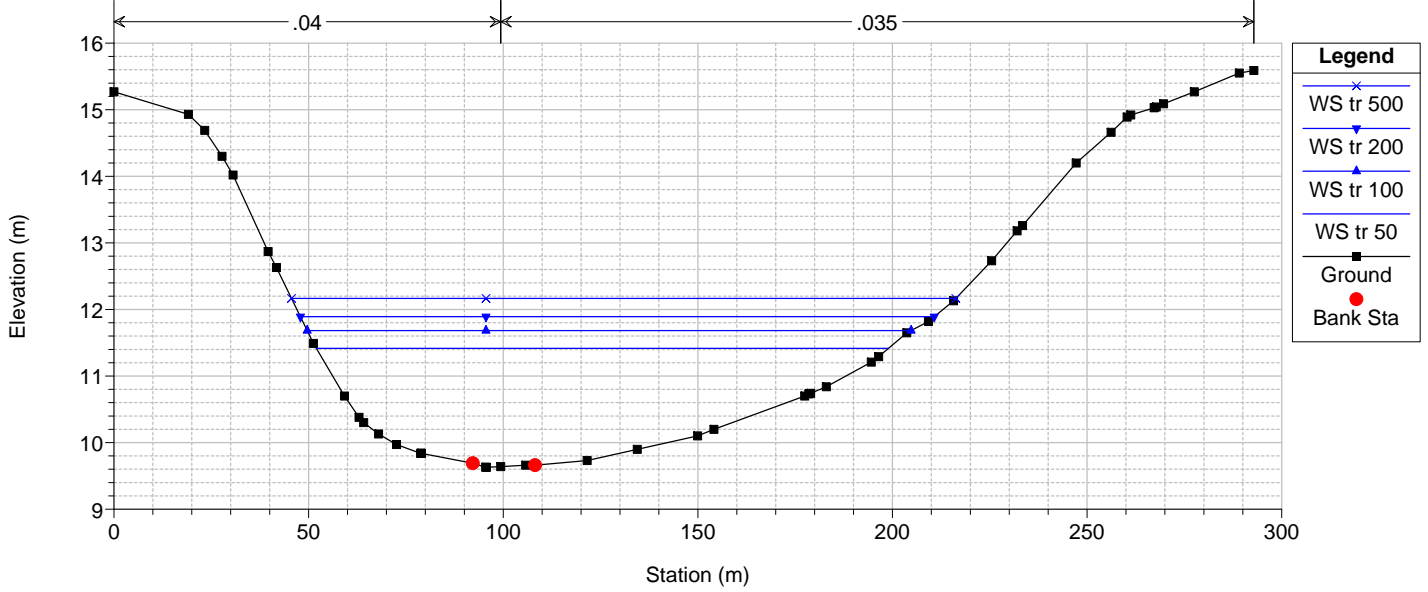
River = Rio Guidongias Reach = Asta 2 - 3 RS = 817.3105 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

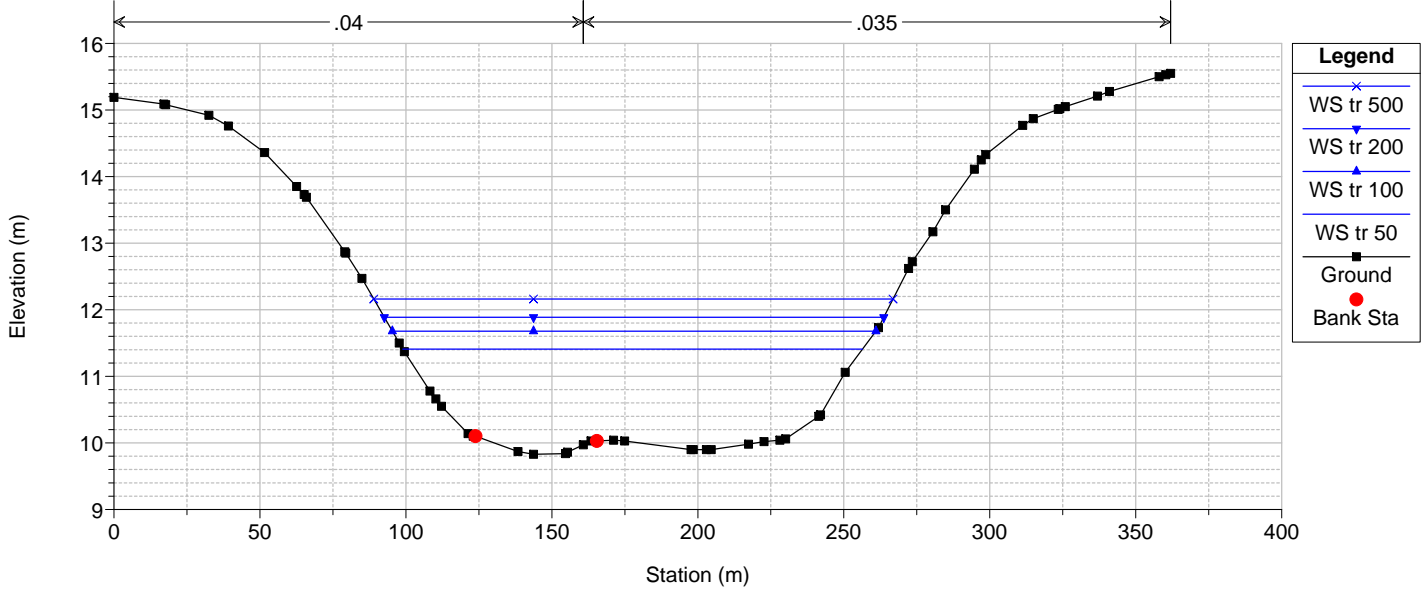
River = Rio Guidongias Reach = Asta 2 - 3 RS = 712.1385 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

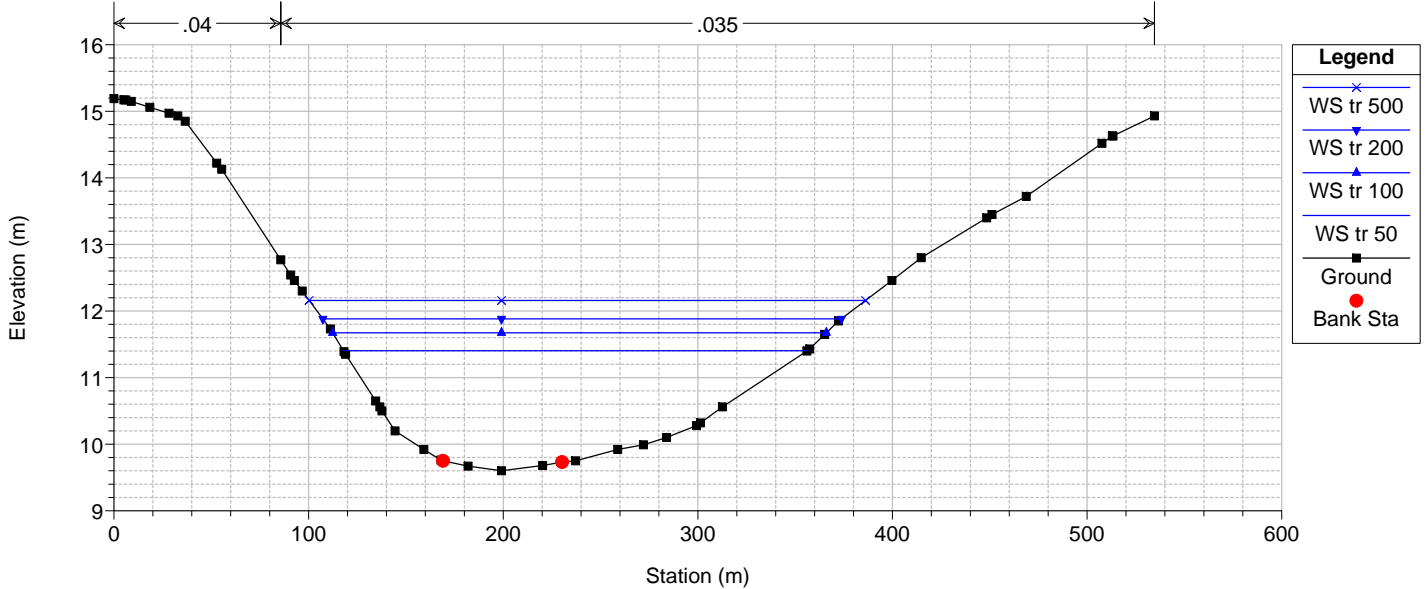
River = Rio Guidongias Reach = Asta 2 - 3 RS = 596.5081 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

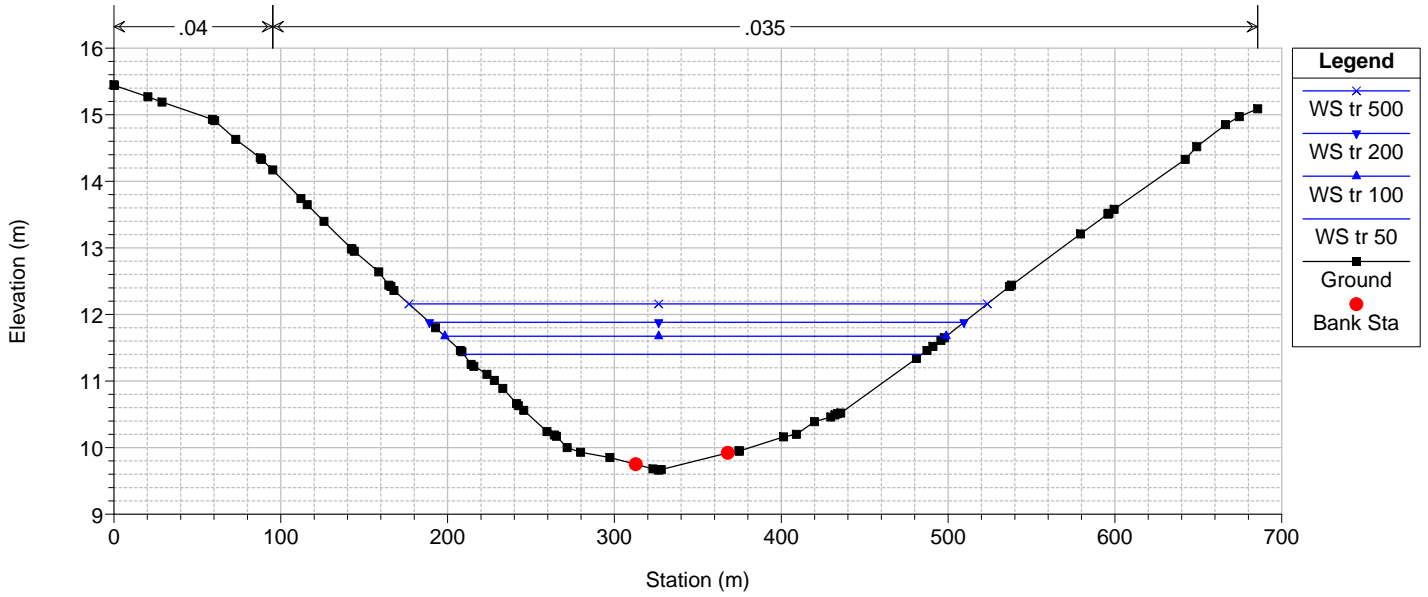
River = Rio Guidongias Reach = Asta 2 - 3 RS = 435.7049 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

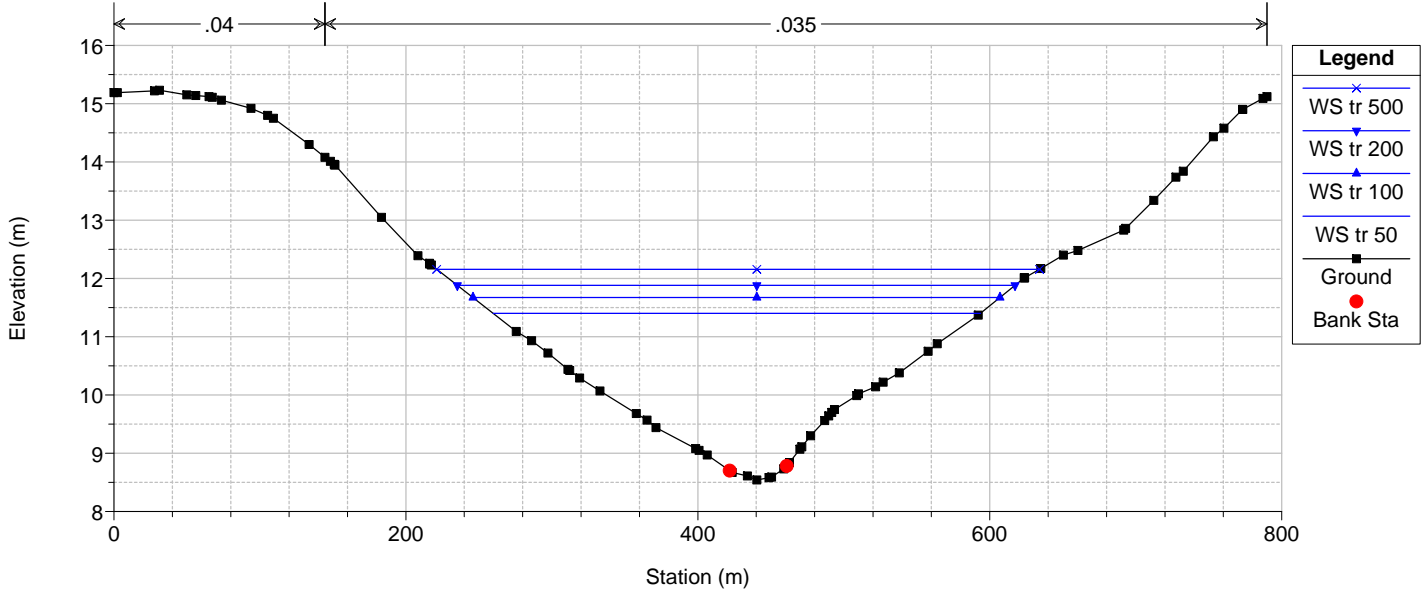
River = Rio Guidongias Reach = Asta 2 - 3 RS = 358.8138 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

River = Rio Guidongias Reach = Asta 2 - 3 RS = 260.3578 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



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
Asta 2 - 3	6745.172	tr 50	33.42	85.88	86.21	86.60	88.62	0.399518	7.16	5.09	23.99	4.43
Asta 2 - 3	6745.172	tr 100	40.45	85.88	86.26	86.67	88.67	0.340730	7.22	6.21	25.79	4.13
Asta 2 - 3	6745.172	tr 200	47.63	85.88	86.30	86.74	88.73	0.298255	7.28	7.35	27.46	3.91
Asta 2 - 3	6745.172	tr 500	57.29	85.88	86.35	86.82	88.80	0.257601	7.36	8.90	29.57	3.68
Asta 2 - 3	6700.51	tr 50	33.42	85.20	85.88	85.83	86.06	0.010352	1.89	18.44	42.06	0.83
Asta 2 - 3	6700.51	tr 100	40.45	85.20	85.94	85.90	86.14	0.010608	2.04	20.83	44.07	0.86
Asta 2 - 3	6700.51	tr 200	47.63	85.20	85.99	85.96	86.22	0.010734	2.18	23.22	46.00	0.87
Asta 2 - 3	6700.51	tr 500	57.29	85.20	85.98	86.04	86.33	0.016141	2.65	22.91	45.75	1.07
Asta 2 - 3	6600.263	tr 50	33.42	83.94	84.67	84.67	84.90	0.012740	2.25	16.16	35.41	0.94
Asta 2 - 3	6600.263	tr 100	40.45	83.94	84.74	84.74	85.00	0.012148	2.37	18.77	37.29	0.94
Asta 2 - 3	6600.263	tr 200	47.63	83.94	84.80	84.80	85.09	0.011806	2.49	21.21	38.75	0.94
Asta 2 - 3	6600.263	tr 500	57.29	83.94	84.88	84.88	85.20	0.011354	2.62	24.44	40.60	0.94
Asta 2 - 3	6499.702	tr 50	33.42	82.22	82.88	82.97	83.25	0.021026	2.85	12.97	29.94	1.20
Asta 2 - 3	6499.702	tr 100	40.45	82.22	82.93	83.04	83.37	0.022176	3.10	14.55	31.14	1.25
Asta 2 - 3	6499.702	tr 200	47.63	82.22	82.98	83.12	83.47	0.022375	3.29	16.26	32.42	1.28
Asta 2 - 3	6499.702	tr 500	57.29	82.22	83.05	83.20	83.60	0.022749	3.53	18.43	34.03	1.31
Asta 2 - 3	6400.004	tr 50	33.42	79.86	80.42	80.53	80.79	0.029261	3.15	12.96	35.78	1.40
Asta 2 - 3	6400.004	tr 100	40.45	79.86	80.48	80.59	80.88	0.028004	3.30	15.00	37.37	1.39
Asta 2 - 3	6400.004	tr 200	47.63	79.86	80.52	80.65	80.97	0.028028	3.48	16.79	38.71	1.41
Asta 2 - 3	6400.004	tr 500	57.29	79.86	80.58	80.72	81.08	0.027917	3.69	19.10	40.27	1.43
Asta 2 - 3	6333.508	tr 50	33.42	78.87	79.64	79.64	79.88	0.018272	2.44	17.86	37.23	0.92
Asta 2 - 3	6333.508	tr 100	40.45	78.87	79.71	79.71	79.98	0.018463	2.60	20.43	39.40	0.93
Asta 2 - 3	6333.508	tr 200	47.63	78.87	79.78	79.78	80.07	0.017876	2.71	23.26	41.67	0.93
Asta 2 - 3	6333.508	tr 500	57.29	78.87	79.88	79.88	80.18	0.016620	2.80	27.31	44.57	0.92
Asta 2 - 3	6271.83	tr 50	33.42	78.09	78.87	78.81	79.05	0.010031	1.98	18.56	38.08	0.79
Asta 2 - 3	6271.83	tr 100	40.45	78.09	78.94	78.88	79.15	0.009618	2.08	21.60	40.20	0.78
Asta 2 - 3	6271.83	tr 200	47.63	78.09	79.02	78.94	79.23	0.009237	2.17	24.65	42.28	0.78
Asta 2 - 3	6271.83	tr 500	57.29	78.09	79.11	79.03	79.34	0.008784	2.27	28.72	44.97	0.77
Asta 2 - 3	6208.721	tr 50	33.42	77.19	78.28		78.36	0.011012	1.25	28.25	38.88	0.41
Asta 2 - 3	6208.721	tr 100	40.45	77.19	78.39		78.47	0.010688	1.32	32.48	40.84	0.41
Asta 2 - 3	6208.721	tr 200	47.63	77.19	78.49		78.58	0.010338	1.39	36.73	42.71	0.41
Asta 2 - 3	6208.721	tr 500	57.29	77.19	78.62		78.72	0.009840	1.46	42.35	44.66	0.41
Asta 2 - 3	6163.792	tr 50	33.42	76.67	77.84		77.97	0.006794	1.66	22.67	30.95	0.53
Asta 2 - 3	6163.792	tr 100	40.45	76.67	77.96		78.10	0.006468	1.74	26.50	32.66	0.52
Asta 2 - 3	6163.792	tr 200	47.63	76.67	78.08		78.22	0.006231	1.82	30.24	34.17	0.52
Asta 2 - 3	6163.792	tr 500	57.29	76.67	78.22		78.38	0.005921	1.91	35.29	36.38	0.52
Asta 2 - 3	6100	tr 50	33.42	75.85	77.13	76.93	77.34	0.014688	2.07	16.74	20.69	0.68
Asta 2 - 3	6100	tr 100	40.45	75.85	77.23	77.03	77.48	0.015250	2.24	18.89	21.58	0.70
Asta 2 - 3	6100	tr 200	47.63	75.85	77.33	77.13	77.61	0.015565	2.39	21.05	22.43	0.71
Asta 2 - 3	6100	tr 500	57.29	75.85	77.44	77.26	77.77	0.016181	2.59	23.68	23.43	0.73
Asta 2 - 3	6000	tr 50	33.42	73.60	74.59	74.59	74.92	0.046847	2.76	14.51	22.96	0.94
Asta 2 - 3	6000	tr 100	40.45	73.60	74.69	74.69	75.04	0.044355	2.90	16.85	24.15	0.93
Asta 2 - 3	6000	tr 200	47.63	73.60	74.78	74.78	75.16	0.043440	3.05	18.99	25.20	0.94
Asta 2 - 3	6000	tr 500	57.29	73.60	74.89	74.89	75.31	0.041418	3.19	21.94	26.57	0.94
Asta 2 - 3	5900	tr 50	33.42	69.71	70.98	70.49	71.07	0.008991	1.32	26.57	27.45	0.39
Asta 2 - 3	5900	tr 100	40.45	69.71	71.12	70.58	71.21	0.008837	1.41	30.24	28.38	0.40
Asta 2 - 3	5900	tr 200	47.63	69.71	71.24	70.66	71.35	0.008674	1.49	33.85	29.31	0.40
Asta 2 - 3	5900	tr 500	57.29	69.71	71.39	70.76	71.51	0.008588	1.60	38.35	30.42	0.41
Asta 2 - 3	5800	tr 50	33.42	67.71	69.26		69.49	0.033815	2.17	16.23	18.00	0.61
Asta 2 - 3	5800	tr 100	40.45	67.71	69.38		69.65	0.034412	2.32	18.41	18.96	0.62
Asta 2 - 3	5800	tr 200	47.63	67.71	69.48		69.78	0.035307	2.47	20.43	19.79	0.64
Asta 2 - 3	5800	tr 500	57.29	67.71	69.62		69.96	0.035285	2.61	23.22	20.88	0.65
Asta 2 - 3	5700	tr 50	33.42	66.11	67.71		67.85	0.009509	1.73	22.36	22.70	0.46
Asta 2 - 3	5700	tr 100	40.45	66.11	67.86		68.01	0.009247	1.82	25.85	23.99	0.46
Asta 2 - 3	5700	tr 200	47.63	66.11	68.01		68.16	0.008940	1.90	29.38	25.26	0.46
Asta 2 - 3	5700	tr 500	57.29	66.11	68.17		68.35	0.008789	2.01	33.75	26.75	0.47
Asta 2 - 3	5600	tr 50	33.42	64.61	65.83	65.70	66.08	0.042350	2.48	15.90	21.07	0.82
Asta 2 - 3	5600	tr 100	40.45	64.61	65.90	65.81	66.21	0.047502	2.77	17.37	21.80	0.89
Asta 2 - 3	5600	tr 200	47.63	64.61	65.95	65.91	66.34	0.054195	3.07	18.54	22.35	0.96
Asta 2 - 3	5600	tr 500	57.29	64.61	66.04	66.04	66.50	0.058455	3.38	20.46	23.24	1.01
Asta 2 - 3	5500	tr 50	33.42	62.98	63.70	63.70	63.94	0.012905	2.27	15.98	34.88	0.95
Asta 2 - 3	5500	tr 100	40.45	62.98	63.77	63.77	64.04	0.012344	2.39	18.61	37.07	0.94
Asta 2 - 3	5500	tr 200	47.63	62.98	63.84	63.84	64.13	0.011714	2.49	21.32	39.18	0.93
Asta 2 - 3	5500	tr 500	57.29	62.98	63.92	63.93	64.24	0.011592	2.64	24.47	41.56	0.94
Asta 2 - 3	5397.388	tr 50	33.42	57.60	60.25	58.99	60.39	0.001769	1.69	22.64	29.93	0.35
Asta 2 - 3	5397.388	tr 100	40.45	57.60	60.37	59.17	60.53	0.002050	1.88	26.40	35.50	0.38
Asta 2 - 3	5397.388	tr 200	47.63	57.60	60.45	59.35	60.65	0.002363	2.07	29.65	39.87	0.41

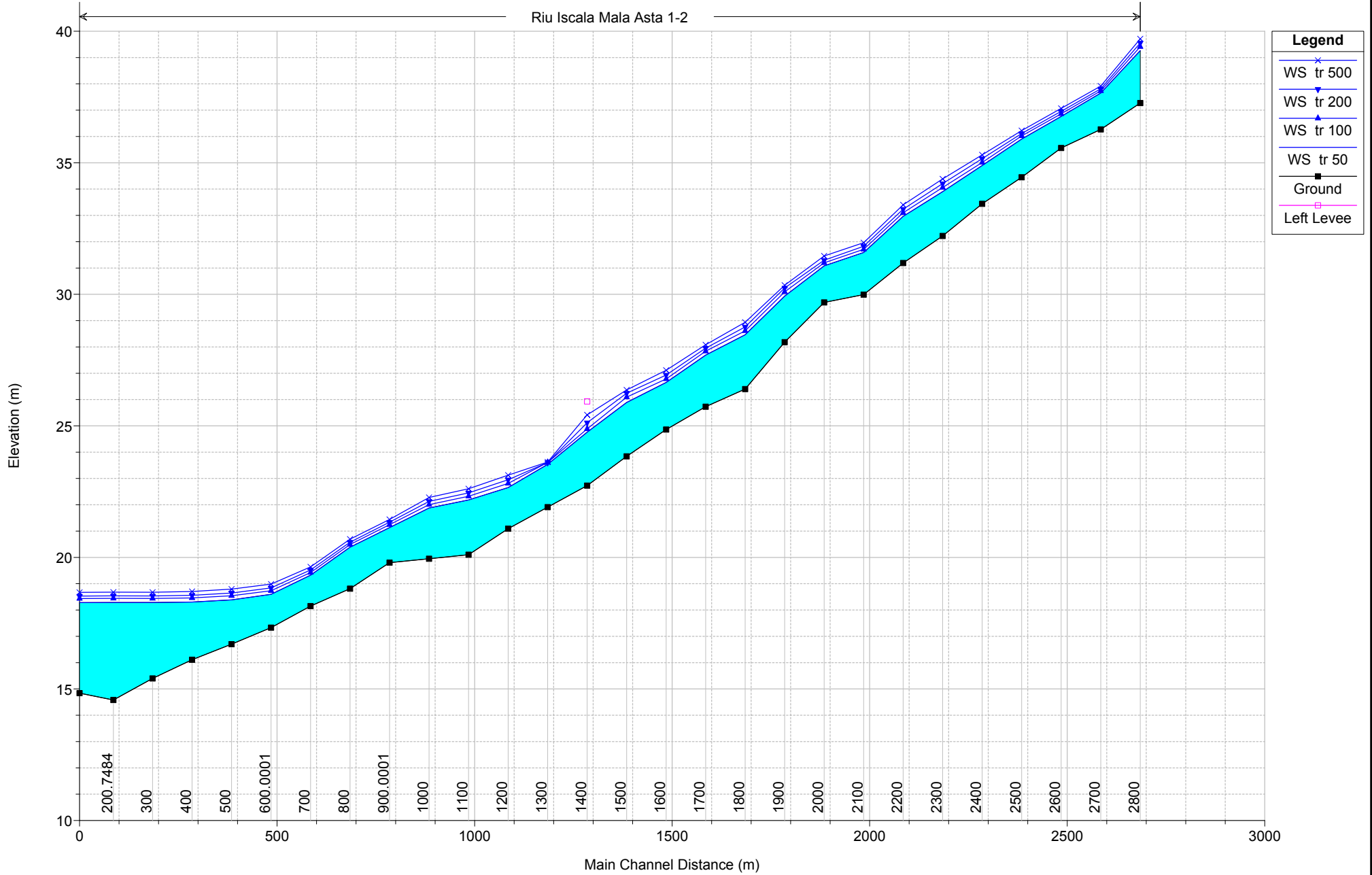
Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta 2 - 3	5397.388	tr 500	57.29	57.60	58.77	59.57	61.53	0.076999	7.35	7.80	7.08	2.24
Asta 2 - 3	5378.653		Culvert									
Asta 2 - 3	5358.855	tr 50	33.42	56.60	60.06		60.12	0.006738	1.04	35.11	58.78	0.25
Asta 2 - 3	5358.855	tr 100	40.45	56.60	60.18		60.24	0.007307	1.13	42.74	73.07	0.27
Asta 2 - 3	5358.855	tr 200	47.63	56.60	60.27		60.34	0.007686	1.20	50.33	81.61	0.28
Asta 2 - 3	5358.855	tr 500	57.29	56.60	60.39		60.46	0.007993	1.27	60.04	88.92	0.28
Asta 2 - 3	5290.063	tr 50	33.42	58.47	59.50	59.10	59.54	0.010618	1.00	41.08	67.00	0.33
Asta 2 - 3	5290.063	tr 100	40.45	58.47	59.59	59.16	59.63	0.010826	1.07	47.06	71.62	0.33
Asta 2 - 3	5290.063	tr 200	47.63	58.47	59.67	59.22	59.72	0.010971	1.13	53.00	76.30	0.34
Asta 2 - 3	5290.063	tr 500	57.29	58.47	59.77	59.29	59.82	0.011276	1.21	60.63	83.21	0.35
Asta 2 - 3	5246.534	tr 50	33.42	57.71	58.36	58.33	58.52	0.087450	1.90	19.84	51.87	0.85
Asta 2 - 3	5246.534	tr 100	40.45	57.71	58.41	58.38	58.59	0.087724	2.03	22.67	54.47	0.86
Asta 2 - 3	5246.534	tr 200	47.63	57.71	58.46	58.43	58.66	0.089114	2.16	25.31	56.78	0.88
Asta 2 - 3	5246.534	tr 500	57.29	57.71	58.52	58.50	58.75	0.087219	2.29	29.10	59.95	0.88
Asta 2 - 3	5193.645	tr 50	33.42	56.56	57.51		57.53	0.007424	0.70	52.71	92.03	0.26
Asta 2 - 3	5193.645	tr 100	40.45	56.56	57.60		57.62	0.007224	0.74	60.79	97.06	0.26
Asta 2 - 3	5193.645	tr 200	47.63	56.56	57.68		57.70	0.007023	0.78	68.71	101.05	0.26
Asta 2 - 3	5193.645	tr 500	57.29	56.56	57.77		57.80	0.006851	0.83	78.78	105.91	0.26
Asta 2 - 3	5121.535	tr 50	33.42	55.82	56.86		56.90	0.010843	0.92	39.46	61.23	0.32
Asta 2 - 3	5121.535	tr 100	40.45	55.82	56.94		56.99	0.011163	0.99	44.64	64.22	0.33
Asta 2 - 3	5121.535	tr 200	47.63	55.82	57.02		57.07	0.011336	1.05	49.81	67.08	0.34
Asta 2 - 3	5121.535	tr 500	57.29	55.82	57.12		57.18	0.011550	1.13	56.41	70.46	0.35
Asta 2 - 3	5054.055	tr 50	33.42	54.44	55.15	55.15	55.38	0.068918	2.21	16.45	37.21	0.93
Asta 2 - 3	5054.055	tr 100	40.45	54.44	55.22	55.22	55.47	0.063647	2.31	19.24	39.53	0.91
Asta 2 - 3	5054.055	tr 200	47.63	54.44	55.28	55.28	55.55	0.061372	2.42	21.76	41.16	0.91
Asta 2 - 3	5054.055	tr 500	57.29	54.44	55.36	55.36	55.66	0.058624	2.54	25.05	43.12	0.91
Asta 2 - 3	4999.683	tr 50	33.42	53.22	54.37	53.84	54.40	0.004651	0.88	42.14	54.52	0.28
Asta 2 - 3	4999.683	tr 100	40.45	53.22	54.47	53.91	54.51	0.004718	0.95	47.77	57.00	0.28
Asta 2 - 3	4999.683	tr 200	47.63	53.22	54.56	53.97	54.61	0.004765	1.01	53.20	59.13	0.29
Asta 2 - 3	4999.683	tr 500	57.29	53.22	54.68	54.04	54.73	0.004837	1.08	60.05	61.66	0.30
Asta 2 - 3	4951.347	tr 50	33.42	53.02	53.93		54.05	0.011964	1.63	23.34	38.96	0.58
Asta 2 - 3	4951.347	tr 100	40.45	53.02	54.02		54.16	0.011923	1.74	26.82	40.96	0.59
Asta 2 - 3	4951.347	tr 200	47.63	53.02	54.10		54.25	0.011933	1.84	30.17	42.81	0.60
Asta 2 - 3	4951.347	tr 500	57.29	53.02	54.20		54.37	0.011896	1.96	34.54	45.09	0.61
Asta 2 - 3	4893.191	tr 50	33.42	52.42	53.36		53.47	0.008457	1.50	23.51	37.66	0.55
Asta 2 - 3	4893.191	tr 100	40.45	52.42	53.45		53.58	0.008262	1.59	27.19	39.70	0.55
Asta 2 - 3	4893.191	tr 200	47.63	52.42	53.54		53.68	0.008104	1.67	30.78	41.31	0.55
Asta 2 - 3	4893.191	tr 500	57.29	52.42	53.65		53.80	0.007896	1.77	35.48	43.31	0.55
Asta 2 - 3	4800	tr 50	33.42	51.26	52.13	52.02	52.31	0.019642	1.94	18.89	33.37	0.73
Asta 2 - 3	4800	tr 100	40.45	51.26	52.20	52.10	52.41	0.020584	2.11	21.26	34.63	0.76
Asta 2 - 3	4800	tr 200	47.63	51.26	52.26	52.17	52.51	0.021403	2.27	23.53	35.81	0.79
Asta 2 - 3	4800	tr 500	57.29	51.26	52.34	52.26	52.63	0.022728	2.47	26.25	37.18	0.82
Asta 2 - 3	4728.421	tr 50	33.42	50.14	50.86		51.00	0.016706	1.74	22.21	45.59	0.69
Asta 2 - 3	4728.421	tr 100	40.45	50.14	50.94		51.10	0.016136	1.84	25.83	47.57	0.69
Asta 2 - 3	4728.421	tr 200	47.63	50.14	51.01		51.18	0.015621	1.93	29.41	49.45	0.69
Asta 2 - 3	4728.421	tr 500	57.29	50.14	51.11		51.29	0.014882	2.03	34.22	51.88	0.69
Asta 2 - 3	4637.86	tr 50	33.42	48.65	49.97		50.08	0.006724	1.54	24.02	33.66	0.49
Asta 2 - 3	4637.86	tr 100	40.45	48.65	50.11		50.23	0.006208	1.60	29.06	39.13	0.48
Asta 2 - 3	4637.86	tr 200	47.63	48.65	50.24		50.36	0.005760	1.65	34.35	42.98	0.46
Asta 2 - 3	4637.86	tr 500	57.29	48.65	50.40		50.53	0.005263	1.70	41.56	46.98	0.45
Asta 2 - 3	4551.124	tr 50	33.42	46.89	48.79		49.02	0.027829	2.25	16.83	14.55	0.57
Asta 2 - 3	4551.124	tr 100	40.45	46.89	48.93		49.20	0.029431	2.44	18.93	15.25	0.59
Asta 2 - 3	4551.124	tr 200	47.63	46.89	49.06		49.37	0.030959	2.63	20.91	15.89	0.62
Asta 2 - 3	4551.124	tr 500	57.29	46.89	49.21		49.57	0.032924	2.86	23.39	16.66	0.64
Asta 2 - 3	4495.6	tr 50	33.42	46.38	47.68	47.49	47.93	0.014496	2.29	15.94	19.06	0.70
Asta 2 - 3	4495.6	tr 100	40.45	46.38	47.80	47.61	48.09	0.014457	2.45	18.35	20.16	0.71
Asta 2 - 3	4495.6	tr 200	47.63	46.38	47.91	47.73	48.23	0.014417	2.59	20.72	21.17	0.72
Asta 2 - 3	4495.6	tr 500	57.29	46.38	48.05	47.86	48.41	0.014354	2.76	23.78	22.34	0.73
Asta 2 - 3	4400	tr 50	33.42	44.64	45.69	45.48	45.83	0.035740	1.77	20.43	29.19	0.59
Asta 2 - 3	4400	tr 100	40.45	44.64	45.76	45.56	45.94	0.038437	1.93	22.64	30.12	0.62
Asta 2 - 3	4400	tr 200	47.63	44.64	45.83	45.64	46.03	0.040950	2.08	24.71	30.90	0.65
Asta 2 - 3	4400	tr 500	57.29	44.64	45.91	45.74	46.15	0.044545	2.28	27.15	31.74	0.69
Asta 2 - 3	4300	tr 50	33.42	42.92	43.64	43.64	43.87	0.012329	2.30	16.68	37.35	0.93
Asta 2 - 3	4300	tr 100	40.45	42.92	43.70	43.70	43.96	0.011949	2.42	19.31	39.38	0.94
Asta 2 - 3	4300	tr 200	47.63	42.92	43.77	43.77	44.04	0.011660	2.54	21.87	41.27	0.94
Asta 2 - 3	4300	tr 500	57.29	42.92	43.85	43.85	44.15	0.011286	2.67	25.24	43.63	0.94

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
Asta 2 - 3	4200	tr 50	49.40	41.38	42.70	42.08	42.73	0.000828	0.89	61.38	73.34	0.27
Asta 2 - 3	4200	tr 100	59.45	41.38	42.76	42.15	42.81	0.000982	1.01	65.93	75.52	0.29
Asta 2 - 3	4200	tr 200	69.65	41.38	42.81	42.22	42.87	0.001137	1.12	70.08	77.47	0.32
Asta 2 - 3	4200	tr 500	83.29	41.38	42.88	42.30	42.95	0.001333	1.25	75.27	79.75	0.35
Asta 2 - 3	4100	tr 50	49.40	41.03	42.70		42.70	0.000105	0.36	157.48	180.75	0.10
Asta 2 - 3	4100	tr 100	59.45	41.03	42.76		42.77	0.000125	0.40	168.95	186.67	0.11
Asta 2 - 3	4100	tr 200	69.65	41.03	42.81		42.82	0.000145	0.45	179.54	190.69	0.12
Asta 2 - 3	4100	tr 500	83.29	41.03	42.88		42.89	0.000169	0.50	192.89	194.93	0.13
Asta 2 - 3	4000	tr 50	49.40	40.45	42.70		42.70	0.000005	0.12	497.44	358.00	0.03
Asta 2 - 3	4000	tr 100	59.45	40.45	42.76		42.76	0.000007	0.14	520.14	363.46	0.03
Asta 2 - 3	4000	tr 200	69.65	40.45	42.82		42.82	0.000009	0.16	540.84	368.37	0.03
Asta 2 - 3	4000	tr 500	83.29	40.45	42.89		42.89	0.000011	0.18	566.82	374.29	0.04
Asta 2 - 3	3900	tr 50	49.40	40.61	42.70	41.16	42.70	0.000020	0.23	262.69	219.81	0.05
Asta 2 - 3	3900	tr 100	59.45	40.61	42.76	41.21	42.76	0.000025	0.26	276.58	227.06	0.06
Asta 2 - 3	3900	tr 200	69.65	40.61	42.81	41.26	42.82	0.000030	0.29	289.43	233.57	0.07
Asta 2 - 3	3900	tr 500	83.29	40.61	42.88	41.31	42.89	0.000038	0.33	305.76	240.09	0.07
Asta 2 - 3	3800	tr 50	49.40	40.74	42.69	41.34	42.69	0.000047	0.34	178.29	148.80	0.08
Asta 2 - 3	3800	tr 100	59.45	40.74	42.75	41.40	42.76	0.000060	0.39	187.39	152.02	0.09
Asta 2 - 3	3800	tr 200	69.65	40.74	42.80	41.45	42.81	0.000073	0.44	195.69	154.89	0.10
Asta 2 - 3	3800	tr 500	83.29	40.74	42.87	41.52	42.88	0.000090	0.51	206.10	158.42	0.11
Asta 2 - 3	3700	tr 50	49.40	40.91	42.69	41.44	42.69	0.000040	0.29	213.46	215.73	0.07
Asta 2 - 3	3700	tr 100	59.45	40.91	42.75	41.49	42.75	0.000050	0.33	226.55	221.86	0.08
Asta 2 - 3	3700	tr 200	69.65	40.91	42.80	41.53	42.81	0.000060	0.37	238.51	227.18	0.09
Asta 2 - 3	3700	tr 500	83.29	40.91	42.87	41.59	42.87	0.000072	0.42	253.59	233.34	0.10
Asta 2 - 3	3600	tr 50	49.40	41.15	42.69		42.69	0.000007	0.10	525.66	476.86	0.03
Asta 2 - 3	3600	tr 100	59.45	41.15	42.75		42.75	0.000008	0.11	554.52	484.43	0.03
Asta 2 - 3	3600	tr 200	69.65	41.15	42.80		42.80	0.000010	0.13	580.64	491.18	0.03
Asta 2 - 3	3600	tr 500	83.29	41.15	42.87		42.87	0.000012	0.15	613.29	499.48	0.04
Asta 2 - 3	3500	tr 50	49.40	42.01	42.57	42.51	42.68	0.005771	1.62	37.62	114.99	0.72
Asta 2 - 3	3500	tr 100	59.45	42.01	42.62	42.56	42.73	0.005595	1.69	43.64	123.16	0.72
Asta 2 - 3	3500	tr 200	69.65	42.01	42.67	42.60	42.79	0.005561	1.78	49.09	128.66	0.73
Asta 2 - 3	3500	tr 500	83.29	42.01	42.72	42.66	42.85	0.005414	1.86	56.36	134.40	0.73
Asta 2 - 3	3419.624	tr 50	49.40	41.04	41.69	41.69	41.89	0.010846	2.00	25.29	63.09	0.97
Asta 2 - 3	3419.624	tr 100	59.45	41.04	41.75	41.75	41.97	0.010578	2.12	28.97	67.08	0.97
Asta 2 - 3	3419.624	tr 200	69.65	41.04	41.81	41.81	42.05	0.009969	2.21	32.77	70.72	0.96
Asta 2 - 3	3419.624	tr 500	83.29	41.04	41.87	41.87	42.14	0.009419	2.32	37.67	75.04	0.95
Asta 2 - 3	3400	tr 50	49.40	40.62	41.36	41.40	41.65	0.013190	2.40	21.01	46.12	1.09
Asta 2 - 3	3400	tr 100	59.45	40.62	41.44	41.47	41.74	0.012107	2.48	24.63	48.91	1.06
Asta 2 - 3	3400	tr 200	69.65	40.62	41.51	41.54	41.83	0.011300	2.55	28.15	51.26	1.04
Asta 2 - 3	3400	tr 500	83.29	40.62	41.60	41.62	41.94	0.010244	2.63	32.88	54.52	1.01
Asta 2 - 3	3338.76	tr 50	49.40	28.58	29.85	29.48	29.94	0.002618	1.45	42.52	61.03	0.43
Asta 2 - 3	3338.76	tr 100	59.45	28.58	28.92	29.56	38.01	1.991672	13.42	4.50	22.15	9.02
Asta 2 - 3	3338.76	tr 200	69.65	28.58	28.95	29.63	38.53	1.793476	13.82	5.17	23.36	8.74
Asta 2 - 3	3338.76	tr 500	83.29	28.58	28.99	29.72	38.84	1.528674	14.08	6.15	25.03	8.27
Asta 2 - 3	3276.439	tr 50	49.40	28.38	29.28	29.28	29.59	0.015216	2.55	21.31	36.66	0.93
Asta 2 - 3	3276.439	tr 100	59.45	28.38	29.23	29.37	29.76	0.028546	3.34	19.43	35.44	1.27
Asta 2 - 3	3276.439	tr 200	69.65	28.38	29.28	29.46	29.90	0.030456	3.60	21.26	36.63	1.32
Asta 2 - 3	3276.439	tr 500	83.29	28.38	29.35	29.56	30.06	0.031698	3.89	23.82	38.23	1.37
Asta 2 - 3	3199.66	tr 50	49.40	27.49	28.46	28.29	28.62	0.006741	1.85	29.63	47.01	0.64
Asta 2 - 3	3199.66	tr 100	59.45	27.49	28.54	28.37	28.72	0.006855	1.99	33.62	49.27	0.65
Asta 2 - 3	3199.66	tr 200	69.65	27.49	28.62	28.45	28.82	0.007035	2.11	37.32	51.28	0.67
Asta 2 - 3	3199.66	tr 500	83.29	27.49	28.71	28.55	28.94	0.007093	2.25	42.34	53.88	0.68
Asta 2 - 3	3100.73	tr 50	49.40	26.49	27.39	27.39	27.67	0.014146	2.53	22.06	39.85	0.92
Asta 2 - 3	3100.73	tr 100	59.45	26.49	27.47	27.47	27.78	0.013621	2.66	25.50	42.21	0.92
Asta 2 - 3	3100.73	tr 200	69.65	26.49	27.55	27.55	27.88	0.012973	2.76	29.06	44.52	0.91
Asta 2 - 3	3100.73	tr 500	83.29	26.49	27.64	27.64	28.01	0.012761	2.91	33.24	47.09	0.92
Asta 2 - 3	2992.008	tr 50	49.40	25.26	26.15	25.87	26.21	0.002644	1.25	47.34	82.88	0.44
Asta 2 - 3	2992.008	tr 100	59.45	25.26	26.20	25.93	26.28	0.002889	1.37	52.36	86.09	0.47
Asta 2 - 3	2992.008	tr 200	69.65	25.26	26.26	25.98	26.35	0.003098	1.48	57.21	89.09	0.49
Asta 2 - 3	2992.008	tr 500	83.29	25.26	26.33	26.05	26.43	0.003351	1.61	63.26	92.65	0.51
Asta 2 - 3	2900.397	tr 50	49.40	25.05	25.98		26.00	0.001723	1.02	75.37	181.68	0.34
Asta 2 - 3	2900.397	tr 100	59.45	25.05	26.04		26.07	0.001679	1.05	86.90	190.39	0.34
Asta 2 - 3	2900.397	tr 200	69.65	25.05	26.10		26.13	0.001596	1.07	99.11	199.19	0.33
Asta 2 - 3	2900.397	tr 500	83.29	25.05	26.18		26.21	0.001516	1.09	114.65	209.23	0.33
Asta 2 - 3	2799.861	tr 50	49.40	24.32	25.40	25.40	25.62	0.012034	2.24	26.86	65.58	0.81
Asta 2 - 3	2799.861	tr 100	59.45	24.32	25.48	25.48	25.70	0.010893	2.28	32.76	73.21	0.78

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
Asta 2 - 3	2799.861	tr 200	69.65	24.32	25.54	25.54	25.77	0.010980	2.39	37.05	76.29	0.79
Asta 2 - 3	2799.861	tr 500	83.29	24.32	25.61	25.61	25.86	0.011124	2.52	42.39	79.93	0.81
Asta 2 - 3	2698.53	tr 50	49.40	23.44	24.29	24.13	24.42	0.005790	1.67	33.62	59.23	0.62
Asta 2 - 3	2698.53	tr 100	59.45	23.44	24.38	24.19	24.51	0.005647	1.76	38.53	61.75	0.62
Asta 2 - 3	2698.53	tr 200	69.65	23.44	24.45	24.26	24.60	0.005526	1.85	43.32	64.18	0.62
Asta 2 - 3	2698.53	tr 500	83.29	23.44	24.55	24.33	24.71	0.005403	1.95	49.55	67.67	0.62
Asta 2 - 3	2599.269	tr 50	49.40	22.73	23.57		23.75	0.007788	1.98	27.57	50.64	0.75
Asta 2 - 3	2599.269	tr 100	59.45	22.73	23.64		23.85	0.007923	2.13	31.27	53.07	0.77
Asta 2 - 3	2599.269	tr 200	69.65	22.73	23.70	23.62	23.94	0.008052	2.26	34.82	55.29	0.78
Asta 2 - 3	2599.269	tr 500	83.29	22.73	23.78	23.71	24.05	0.008209	2.42	39.29	57.78	0.80
Asta 2 - 3	2537.407	tr 50	49.40	22.29	23.10	23.02	23.26	0.007848	1.83	29.79	65.06	0.74
Asta 2 - 3	2537.407	tr 100	59.45	22.29	23.16	23.09	23.34	0.008180	1.98	33.62	68.71	0.76
Asta 2 - 3	2537.407	tr 200	69.65	22.29	23.21	23.15	23.42	0.008518	2.12	37.23	71.86	0.79
Asta 2 - 3	2537.407	tr 500	83.29	22.29	23.27	23.23	23.51	0.008910	2.28	41.81	75.57	0.82
Asta 2 - 3	2498.135	tr 50	49.40	22.04	22.80		22.93	0.008658	1.71	33.59	81.27	0.69
Asta 2 - 3	2498.135	tr 100	59.45	22.04	22.86		23.00	0.008329	1.79	39.17	87.07	0.69
Asta 2 - 3	2498.135	tr 200	69.65	22.04	22.92		23.07	0.008082	1.87	44.63	92.39	0.68
Asta 2 - 3	2498.135	tr 500	83.29	22.04	23.00		23.16	0.007860	1.96	51.60	98.59	0.69
Asta 2 - 3	2417.199	tr 50	49.40	21.44	22.34		22.42	0.004491	1.51	41.78	80.61	0.52
Asta 2 - 3	2417.199	tr 100	59.45	21.44	22.41		22.50	0.004574	1.60	47.58	84.98	0.53
Asta 2 - 3	2417.199	tr 200	69.65	21.44	22.47		22.58	0.004589	1.68	53.42	89.12	0.54
Asta 2 - 3	2417.199	tr 500	83.29	21.44	22.56		22.67	0.004436	1.75	61.75	94.73	0.54
Asta 2 - 3	2281.544	tr 50	49.40	20.59	21.55	21.37	21.68	0.006725	1.60	32.35	55.86	0.61
Asta 2 - 3	2281.544	tr 100	59.45	20.59	21.65	21.44	21.78	0.006178	1.67	37.77	59.64	0.60
Asta 2 - 3	2281.544	tr 200	69.65	20.59	21.74	21.51	21.88	0.005717	1.73	43.30	63.27	0.59
Asta 2 - 3	2281.544	tr 500	83.29	20.59	21.83	21.59	21.99	0.005731	1.84	49.08	66.85	0.60
Asta 2 - 3	2195.509	tr 50	49.40	19.96	20.72	20.65	20.91	0.012051	1.99	25.82	48.77	0.81
Asta 2 - 3	2195.509	tr 100	59.45	19.96	20.76	20.72	21.00	0.013963	2.24	27.81	49.85	0.88
Asta 2 - 3	2195.509	tr 200	69.65	19.96	20.79	20.79	21.09	0.015961	2.48	29.57	50.79	0.95
Asta 2 - 3	2195.509	tr 500	83.29	19.96	20.87	20.87	21.21	0.015503	2.62	33.69	52.96	0.95
Asta 2 - 3	2072.552	tr 50	49.40	19.85	20.43		20.45	0.001552	0.67	84.18	189.38	0.29
Asta 2 - 3	2072.552	tr 100	59.45	19.85	20.48		20.50	0.001565	0.71	94.72	193.50	0.29
Asta 2 - 3	2072.552	tr 200	69.65	19.85	20.53		20.56	0.001599	0.76	104.31	197.16	0.30
Asta 2 - 3	2072.552	tr 500	83.29	19.85	20.59	20.25	20.62	0.001623	0.81	116.69	201.52	0.30
Asta 2 - 3	2002.034	tr 50	49.40	19.70	20.32		20.34	0.001546	0.66	83.72	184.80	0.28
Asta 2 - 3	2002.034	tr 100	59.45	19.70	20.37		20.39	0.001587	0.71	93.42	187.38	0.29
Asta 2 - 3	2002.034	tr 200	69.65	19.70	20.42		20.44	0.001659	0.77	101.90	189.69	0.30
Asta 2 - 3	2002.034	tr 500	83.29	19.70	20.48		20.50	0.001709	0.82	113.20	192.72	0.31
Asta 2 - 3	1966.495	tr 50	49.40	19.48	19.95	19.95	20.07	0.016545	1.77	34.85	138.60	0.88
Asta 2 - 3	1966.495	tr 100	59.45	19.48	19.98	19.98	20.12	0.016916	1.89	39.54	144.35	0.91
Asta 2 - 3	1966.495	tr 200	69.65	19.48	20.02	20.02	20.17	0.015765	1.93	45.47	151.07	0.89
Asta 2 - 3	1966.495	tr 500	83.29	19.48	20.06	20.06	20.22	0.015874	2.04	51.27	153.96	0.90
Asta 2 - 3	1932.486	tr 50	49.40	15.41	19.13	16.74	19.20	0.000717	1.18	41.86	12.50	0.21
Asta 2 - 3	1932.486	tr 100	59.45	15.41	19.22	16.91	19.32	0.000963	1.38	43.00	12.56	0.24
Asta 2 - 3	1932.486	tr 200	69.65	15.41	19.31	17.08	19.44	0.001231	1.58	44.11	12.62	0.27
Asta 2 - 3	1932.486	tr 500	83.29	15.41	19.42	17.29	19.59	0.001604	1.83	45.85	27.18	0.31
Asta 2 - 3	1896.104		Culvert									
Asta 2 - 3	1859.159	tr 50	49.40	14.41	19.15		19.18	0.000207	0.83	59.75	34.69	0.13
Asta 2 - 3	1859.159	tr 100	59.45	14.41	19.24		19.29	0.000277	0.97	63.34	41.38	0.15
Asta 2 - 3	1859.159	tr 200	69.65	14.41	19.33		19.39	0.000368	1.10	67.53	52.28	0.18
Asta 2 - 3	1859.159	tr 500	83.29	14.41	19.44		19.52	0.000467	1.27	74.48	73.38	0.20
Asta 2 - 3	1810.757	tr 50	49.40	18.19	18.87	18.87	19.10	0.014000	2.13	24.10	55.98	0.96
Asta 2 - 3	1810.757	tr 100	59.45	18.19	18.93	18.93	19.18	0.013403	2.25	27.65	58.33	0.96
Asta 2 - 3	1810.757	tr 200	69.65	18.19	18.99	18.99	19.26	0.012847	2.36	31.19	60.59	0.95
Asta 2 - 3	1810.757	tr 500	83.29	18.19	19.07	19.07	19.36	0.012237	2.48	35.80	63.40	0.95
Asta 2 - 3	1757.787	tr 50	49.40	17.04	17.90	17.95	18.23	0.019097	2.56	19.81	42.92	1.13
Asta 2 - 3	1757.787	tr 100	59.45	17.04	17.96	18.03	18.33	0.019001	2.74	22.45	45.68	1.15
Asta 2 - 3	1757.787	tr 200	69.65	17.04	18.01	18.11	18.43	0.018953	2.91	25.04	48.23	1.16
Asta 2 - 3	1757.787	tr 500	83.29	17.04	18.08	18.19	18.55	0.018826	3.10	28.44	51.40	1.18
Asta 2 - 3	1694.631	tr 50	49.40	15.49	16.24	16.38	16.74	0.028970	3.24	16.20	36.47	1.40
Asta 2 - 3	1694.631	tr 100	59.45	15.49	16.30	16.47	16.86	0.028337	3.45	18.55	38.67	1.41
Asta 2 - 3	1694.631	tr 200	69.65	15.49	16.36	16.55	16.98	0.027781	3.63	20.86	40.74	1.42
Asta 2 - 3	1694.631	tr 500	83.29	15.49	16.43	16.65	17.12	0.027251	3.84	23.85	43.25	1.43
Asta 2 - 3	1606.547	tr 50	50.32	15.00	15.92	15.72	16.04	0.004763	1.59	32.91	53.95	0.60
Asta 2 - 3	1606.547	tr 100	60.41	15.00	15.99	15.79	16.13	0.004968	1.72	36.72	56.21	0.62
Asta 2 - 3	1606.547	tr 200	70.64	15.00	16.05	15.85	16.22	0.005215	1.85	40.20	58.20	0.64

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
Asta 2 - 3	1606.547	tr 500	84.30	15.00	16.12	15.94	16.32	0.005560	2.02	44.43	60.53	0.67
Asta 2 - 3	1480.787	tr 50	50.32	14.30	15.16		15.31	0.007340	1.88	32.76	74.23	0.72
Asta 2 - 3	1480.787	tr 100	60.41	14.30	15.23		15.39	0.007263	1.98	37.77	79.16	0.72
Asta 2 - 3	1480.787	tr 200	70.64	14.30	15.29		15.46	0.007103	2.06	42.77	83.10	0.72
Asta 2 - 3	1480.787	tr 500	84.30	14.30	15.36		15.54	0.006848	2.14	49.13	86.07	0.72
Asta 2 - 3	1358.268	tr 50	50.32	13.53	14.51		14.62	0.004284	1.73	38.14	68.81	0.58
Asta 2 - 3	1358.268	tr 100	60.41	13.53	14.60		14.72	0.004136	1.80	44.35	73.76	0.58
Asta 2 - 3	1358.268	tr 200	70.64	13.53	14.68		14.80	0.004020	1.87	50.43	78.31	0.57
Asta 2 - 3	1358.268	tr 500	84.30	13.53	14.78		14.91	0.003883	1.95	58.39	83.89	0.57
Asta 2 - 3	1299.691	tr 50	50.32	13.09	14.07		14.27	0.008659	2.15	27.51	47.54	0.74
Asta 2 - 3	1299.691	tr 100	60.41	13.09	14.16		14.37	0.008452	2.26	31.75	50.89	0.74
Asta 2 - 3	1299.691	tr 200	70.64	13.09	14.24		14.47	0.008232	2.36	35.99	54.04	0.74
Asta 2 - 3	1299.691	tr 500	84.30	13.09	14.34		14.58	0.008022	2.47	41.43	57.82	0.74
Asta 2 - 3	1201.662	tr 50	50.32	12.42	13.53	13.30	13.65	0.004489	1.71	34.21	51.13	0.55
Asta 2 - 3	1201.662	tr 100	60.41	12.42	13.61	13.37	13.76	0.004566	1.83	38.80	53.75	0.57
Asta 2 - 3	1201.662	tr 200	70.64	12.42	13.69	13.45	13.85	0.004703	1.95	42.97	55.96	0.58
Asta 2 - 3	1201.662	tr 500	84.30	12.42	13.78	13.53	13.96	0.004821	2.08	48.37	58.57	0.60
Asta 2 - 3	1125.589	tr 50	50.32	11.96	12.86	12.86	13.13	0.010986	2.53	24.19	46.86	0.91
Asta 2 - 3	1125.589	tr 100	60.41	11.96	12.94	12.94	13.23	0.010798	2.67	27.93	50.03	0.91
Asta 2 - 3	1125.589	tr 200	70.64	11.96	13.02	13.02	13.32	0.010356	2.76	31.91	53.16	0.90
Asta 2 - 3	1125.589	tr 500	84.30	11.96	13.10	13.10	13.43	0.010104	2.89	36.71	56.15	0.91
Asta 2 - 3	1002.289	tr 50	50.32	11.31	12.17	11.94	12.25	0.003402	1.36	45.68	87.51	0.48
Asta 2 - 3	1002.289	tr 100	60.41	11.31	12.23	12.00	12.31	0.003741	1.48	50.43	91.24	0.51
Asta 2 - 3	1002.289	tr 200	70.64	11.31	12.30	12.05	12.39	0.003617	1.54	57.16	95.66	0.51
Asta 2 - 3	1002.289	tr 500	84.30	11.31	12.44	12.12	12.52	0.002851	1.50	70.86	104.07	0.46
Asta 2 - 3	889.1185	tr 50	50.32	10.57	11.55		11.70	0.007074	1.83	30.88	55.34	0.66
Asta 2 - 3	889.1185	tr 100	60.41	10.57	11.75		11.87	0.004091	1.62	43.11	64.52	0.52
Asta 2 - 3	889.1185	tr 200	70.64	10.57	11.94		12.03	0.002756	1.49	55.99	72.94	0.44
Asta 2 - 3	889.1185	tr 500	84.30	10.57	12.20		12.27	0.001704	1.34	76.38	84.58	0.36
Asta 2 - 3	817.3105	tr 50	50.32	10.09	11.40		11.46	0.001621	1.27	50.82	62.82	0.36
Asta 2 - 3	817.3105	tr 100	60.41	10.09	11.67		11.72	0.001009	1.14	68.94	71.09	0.29
Asta 2 - 3	817.3105	tr 200	70.64	10.09	11.88		11.92	0.000787	1.09	84.43	77.07	0.26
Asta 2 - 3	817.3105	tr 500	84.30	10.09	12.16		12.19	0.000588	1.04	106.80	85.10	0.23
Asta 2 - 3	712.1385	tr 50	50.32	9.63	11.42		11.42	0.000078	0.35	179.87	147.00	0.08
Asta 2 - 3	712.1385	tr 100	60.41	9.63	11.68		11.69	0.000062	0.34	220.16	155.16	0.08
Asta 2 - 3	712.1385	tr 200	70.64	9.63	11.89		11.90	0.000057	0.35	253.27	162.83	0.07
Asta 2 - 3	712.1385	tr 500	84.30	9.63	12.17		12.17	0.000049	0.35	299.16	170.66	0.07
Asta 2 - 3	596.5081	tr 50	50.32	9.83	11.41		11.41	0.000066	0.27	194.23	157.50	0.07
Asta 2 - 3	596.5081	tr 100	60.41	9.83	11.68		11.68	0.000052	0.27	237.63	165.63	0.06
Asta 2 - 3	596.5081	tr 200	70.64	9.83	11.89		11.89	0.000047	0.27	272.75	171.08	0.06
Asta 2 - 3	596.5081	tr 500	84.30	9.83	12.16		12.17	0.000041	0.28	320.88	177.90	0.06
Asta 2 - 3	435.7049	tr 50	50.32	9.60	11.40		11.41	0.000027	0.21	288.81	238.38	0.05
Asta 2 - 3	435.7049	tr 100	60.41	9.60	11.67		11.68	0.000021	0.21	355.26	253.69	0.05
Asta 2 - 3	435.7049	tr 200	70.64	9.60	11.88		11.88	0.000019	0.21	409.58	266.45	0.05
Asta 2 - 3	435.7049	tr 500	84.30	9.60	12.16		12.16	0.000017	0.22	485.92	285.90	0.04
Asta 2 - 3	358.8138	tr 50	50.32	9.66	11.40		11.40	0.000028	0.21	300.95	274.63	0.05
Asta 2 - 3	358.8138	tr 100	60.41	9.66	11.67		11.67	0.000021	0.20	378.70	300.53	0.05
Asta 2 - 3	358.8138	tr 200	70.64	9.66	11.88		11.88	0.000019	0.20	443.65	320.34	0.04
Asta 2 - 3	358.8138	tr 500	84.30	9.66	12.16		12.16	0.000016	0.20	535.92	346.68	0.04
Asta 2 - 3	260.3578	tr 50	50.32	8.54	11.40		11.40	0.000007	0.15	493.69	333.88	0.03
Asta 2 - 3	260.3578	tr 100	60.41	8.54	11.67		11.67	0.000006	0.15	587.69	361.02	0.03
Asta 2 - 3	260.3578	tr 200	70.64	8.54	11.88		11.88	0.000006	0.15	665.44	382.01	0.03
Asta 2 - 3	260.3578	tr 500	84.30	8.54	12.16		12.16	0.000006	0.16	775.25	412.98	0.03

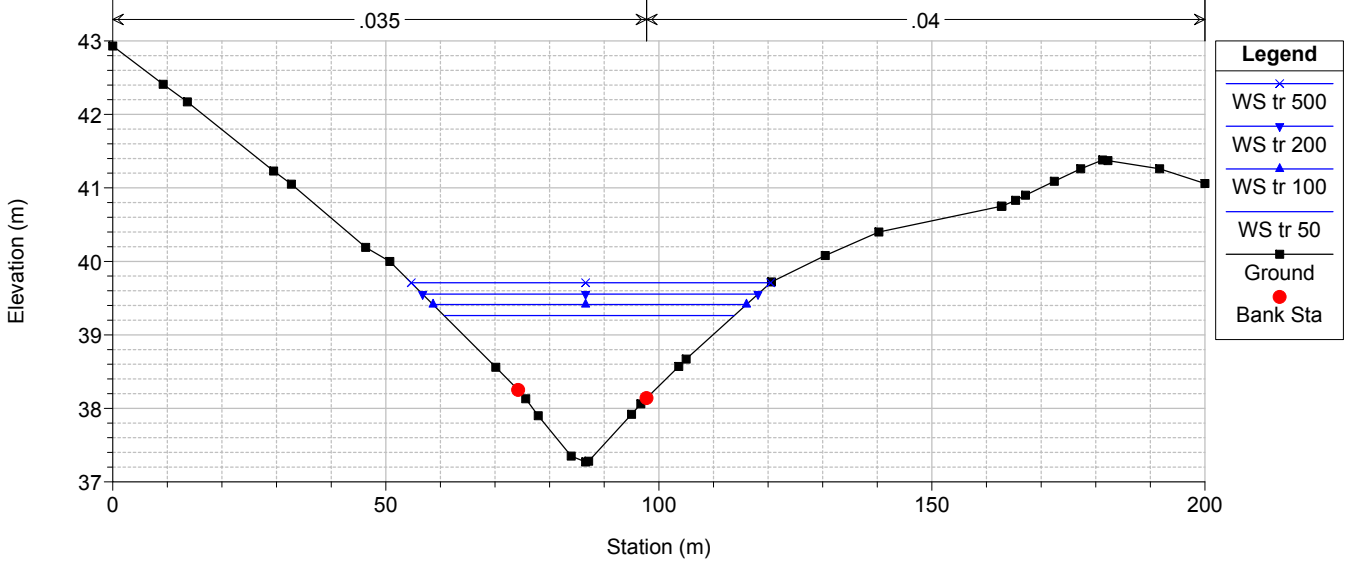
Riu Iscala Mala Asta 1-2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

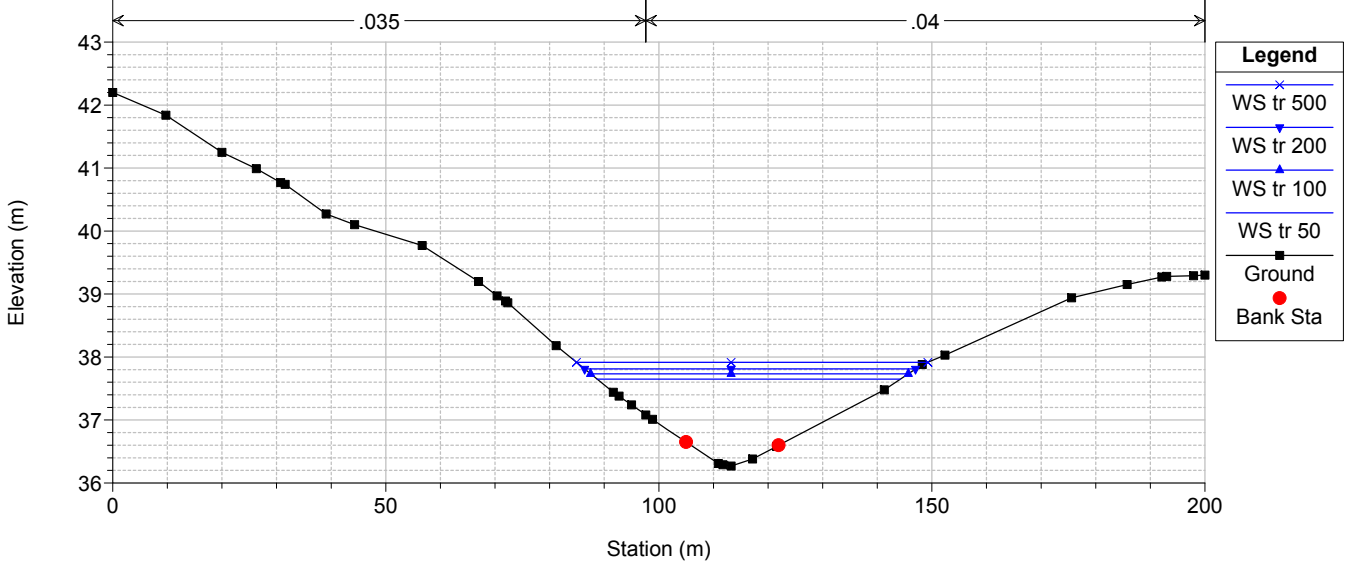
River = Riu Iscala Mala Reach = Asta 1-2 RS = 2800 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

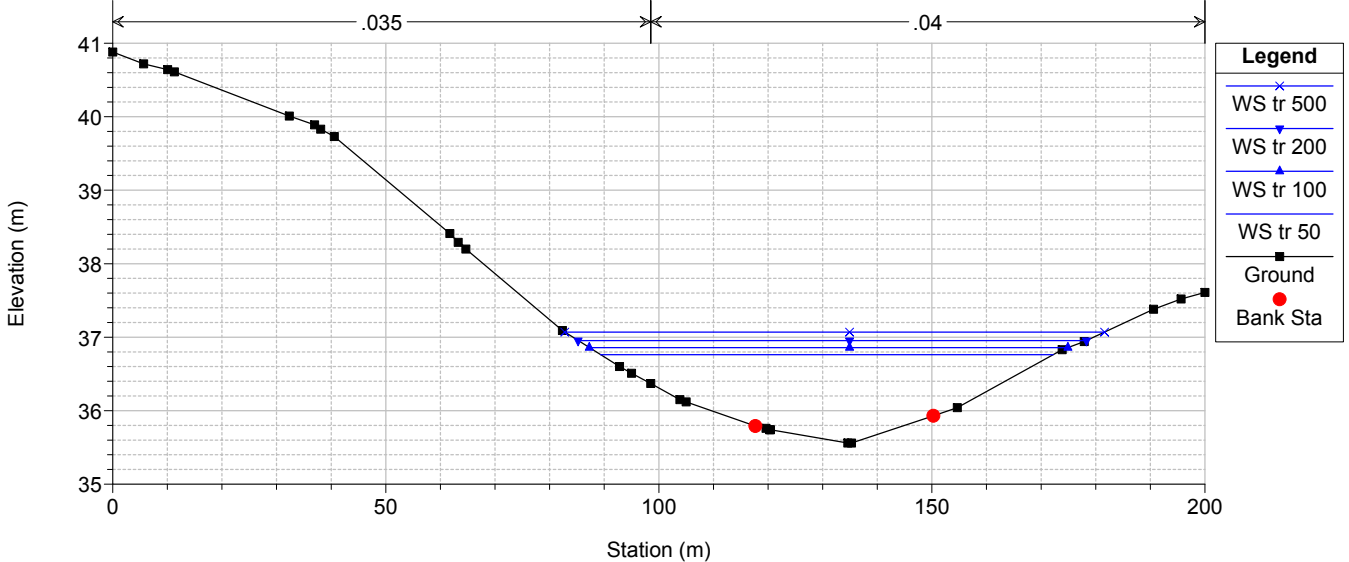
River = Riu Iscala Mala Reach = Asta 1-2 RS = 2700 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

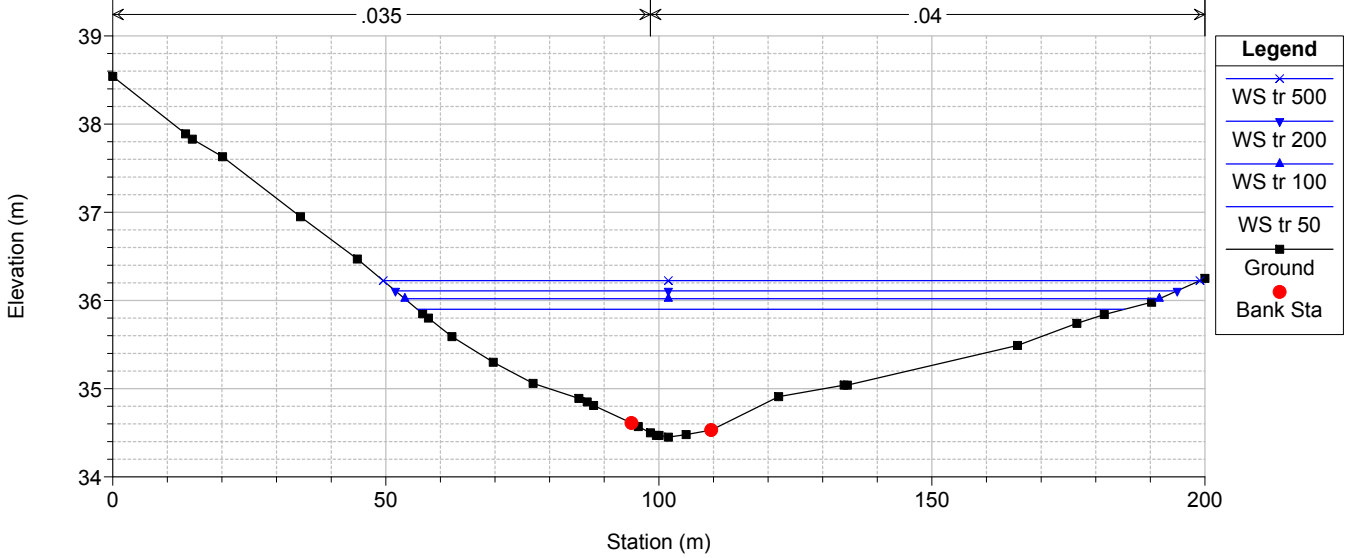
River = Riu Iscala Mala Reach = Asta 1-2 RS = 2600 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

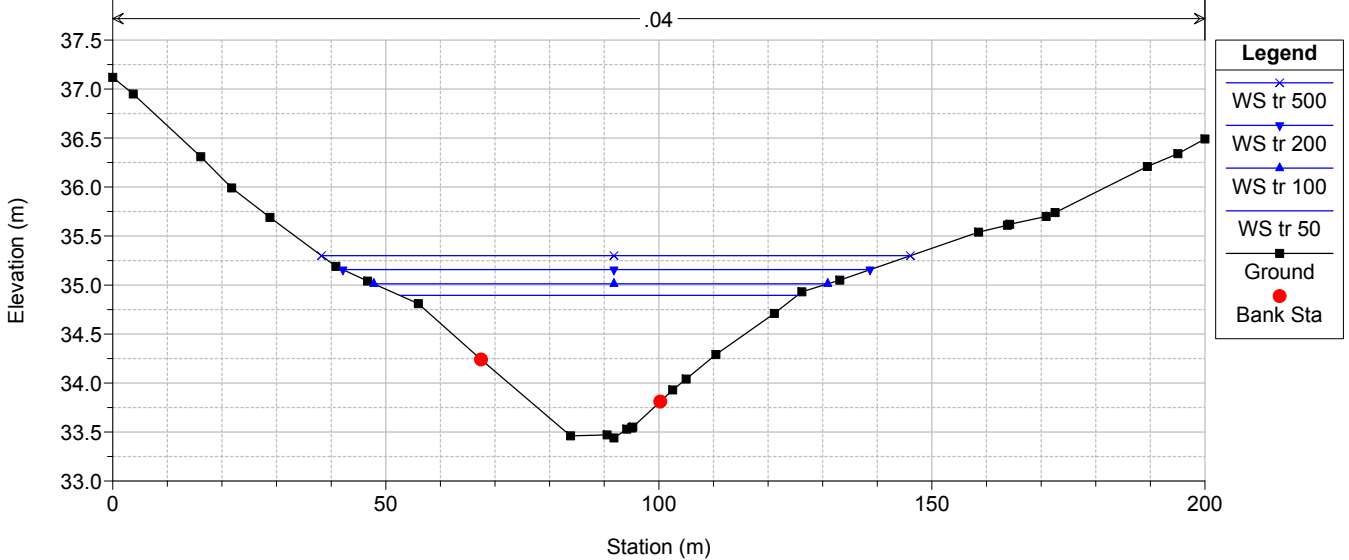
River = Riu Iscala Mala Reach = Asta 1-2 RS = 2500 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

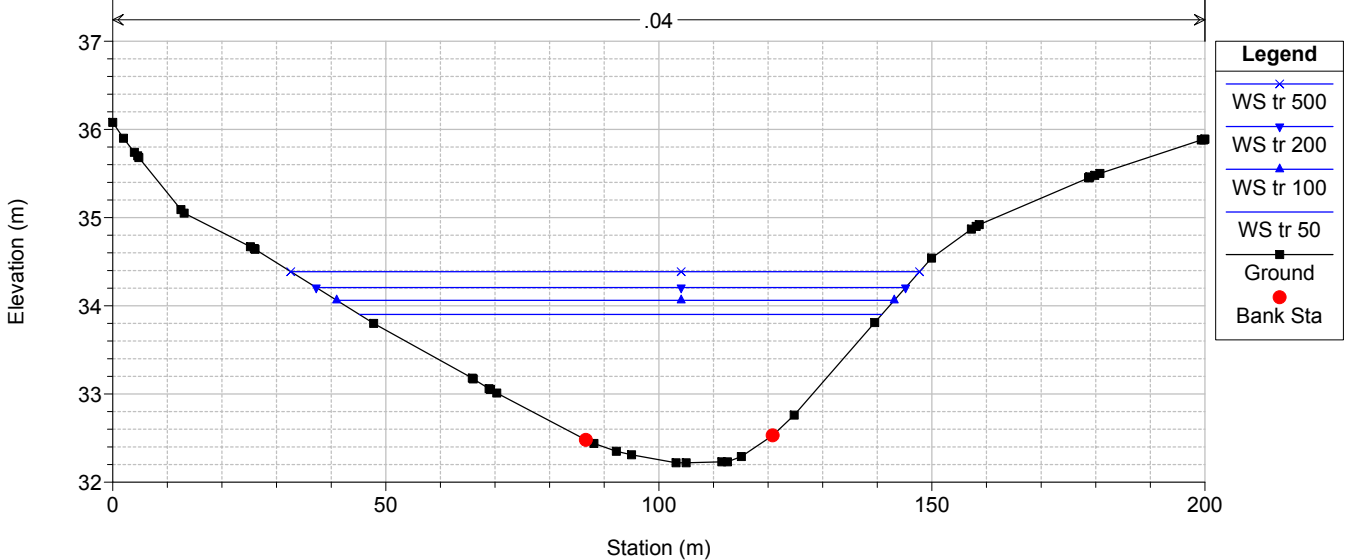
River = Riu Iscala Mala Reach = Asta 1-2 RS = 2400 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

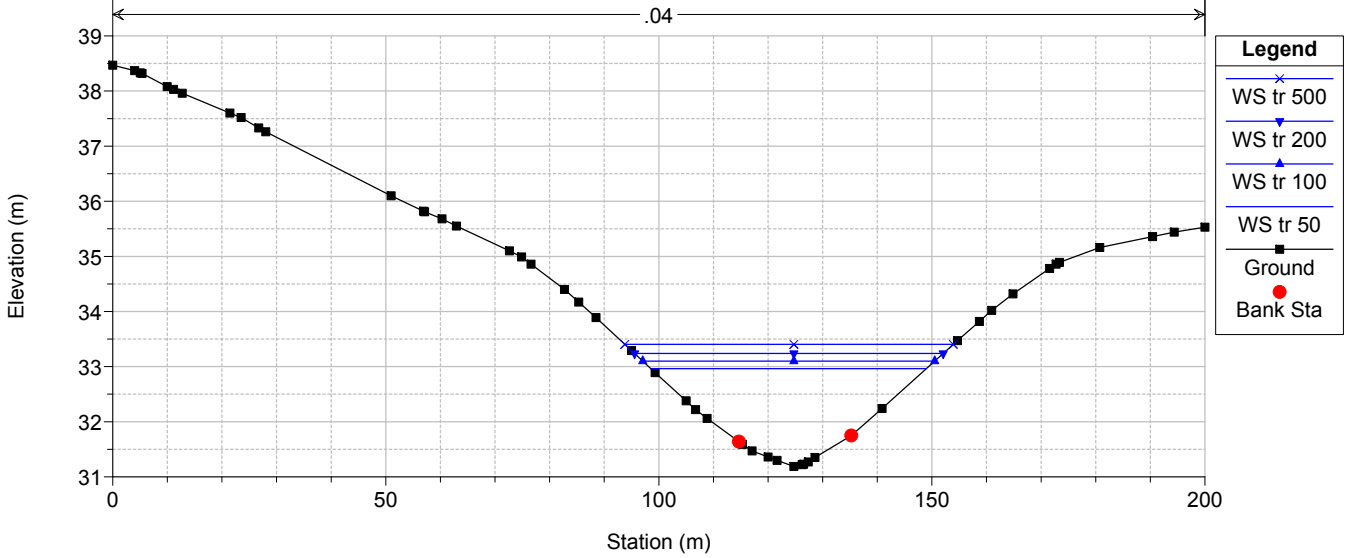
River = Riu Iscala Mala Reach = Asta 1-2 RS = 2300 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

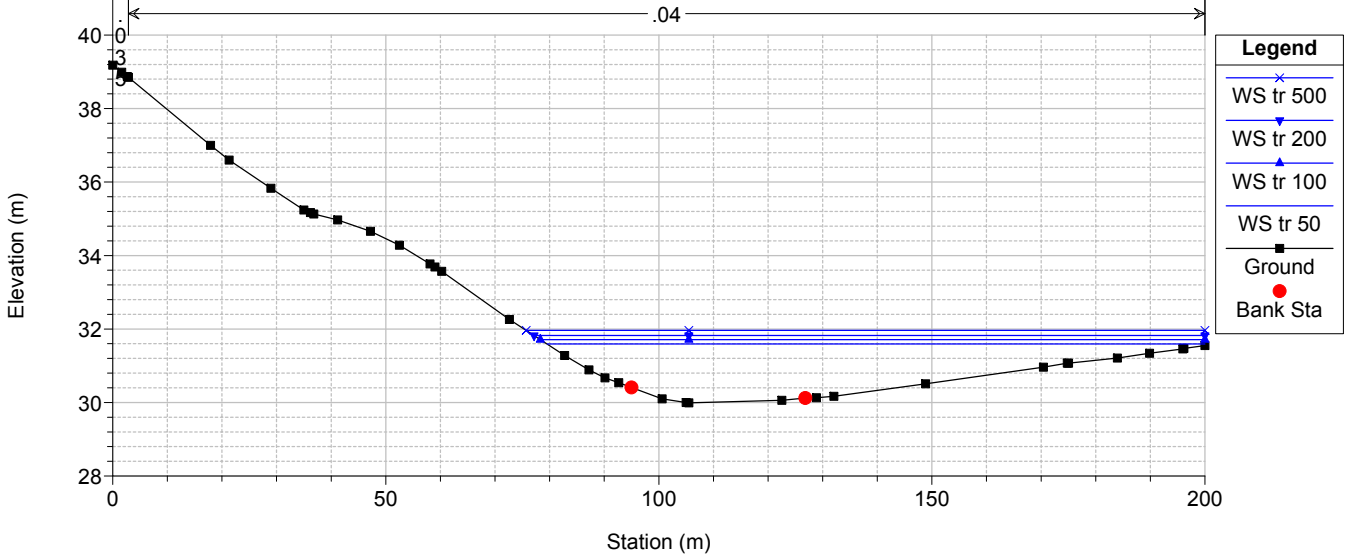
River = Riu Iscala Mala Reach = Asta 1-2 RS = 2200 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

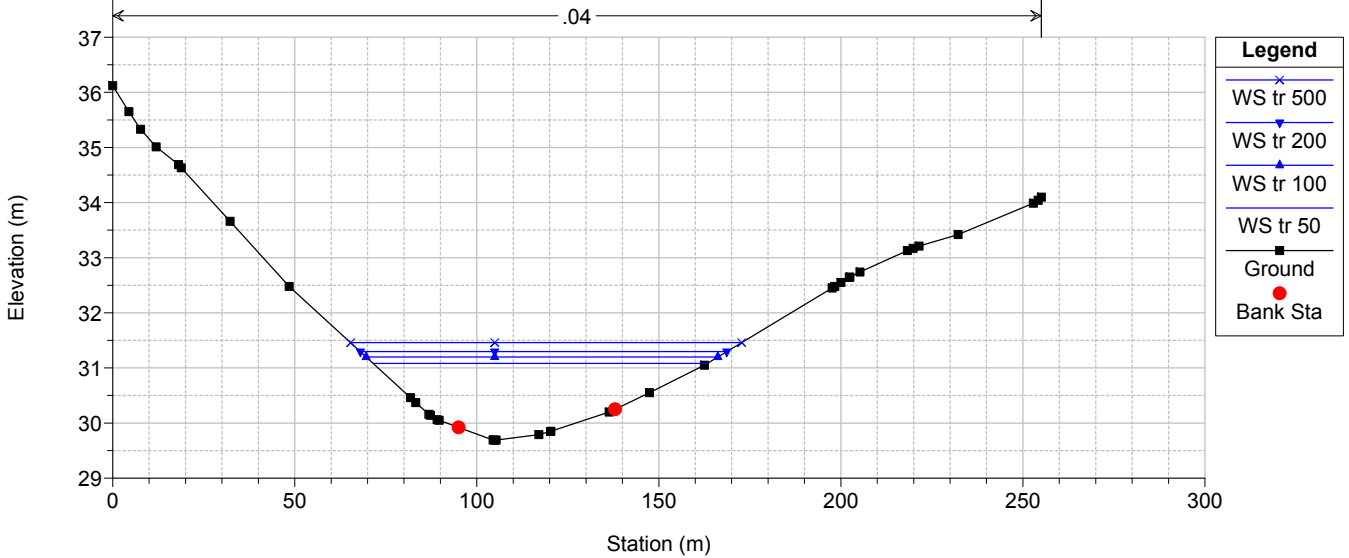
River = Riu Iscala Mala Reach = Asta 1-2 RS = 2100 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

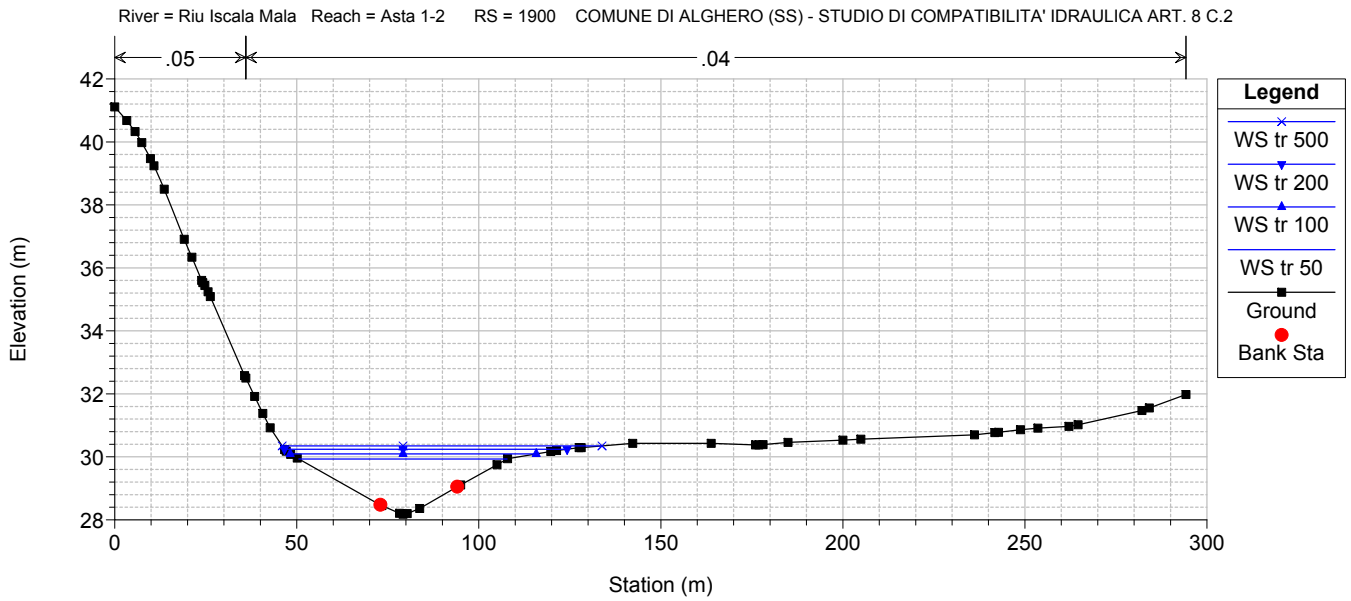
River = Riu Iscala Mala Reach = Asta 1-2 RS = 2000 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

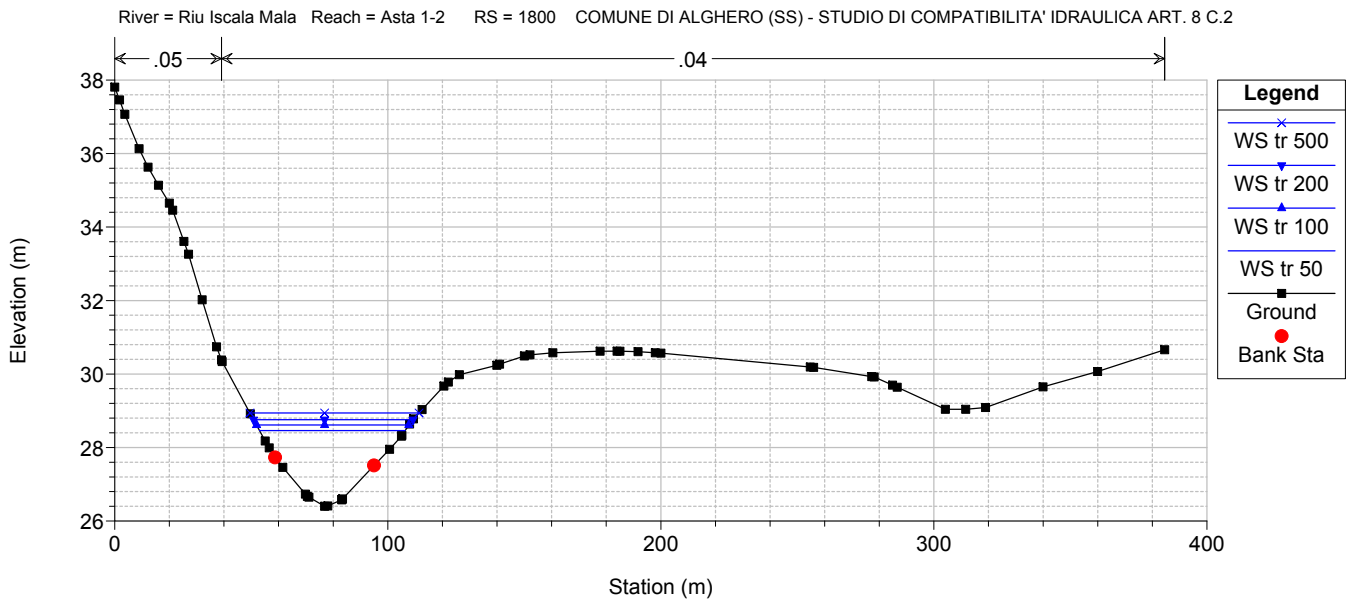
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1900 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

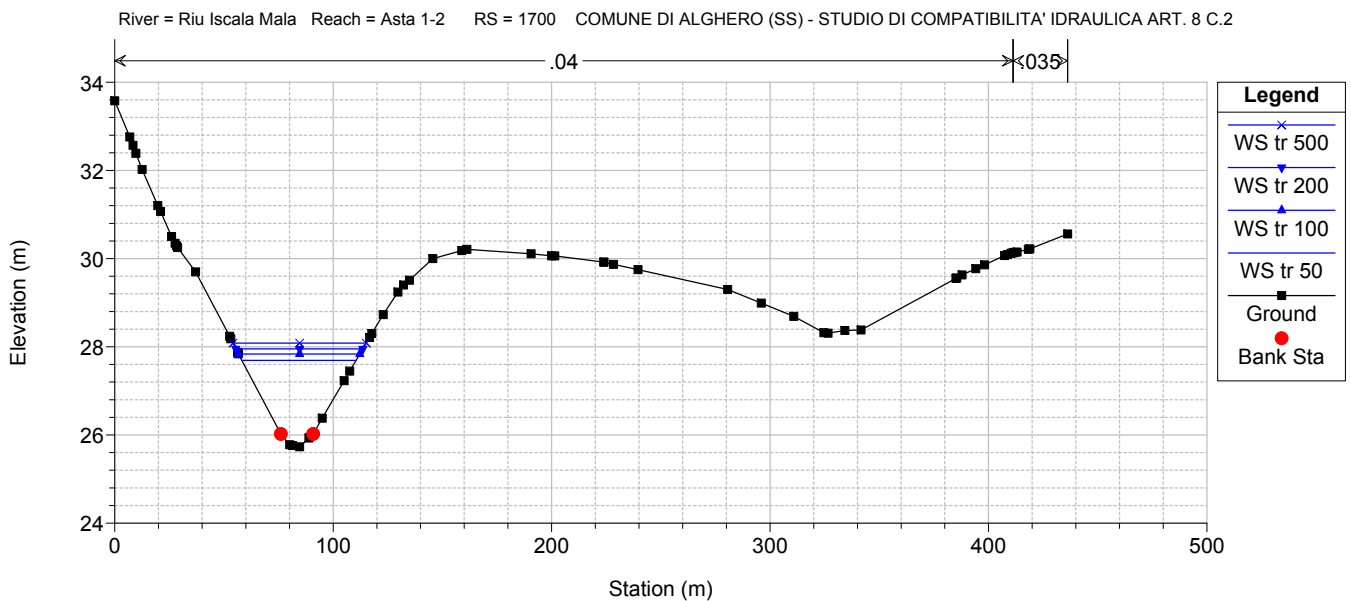
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1800 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

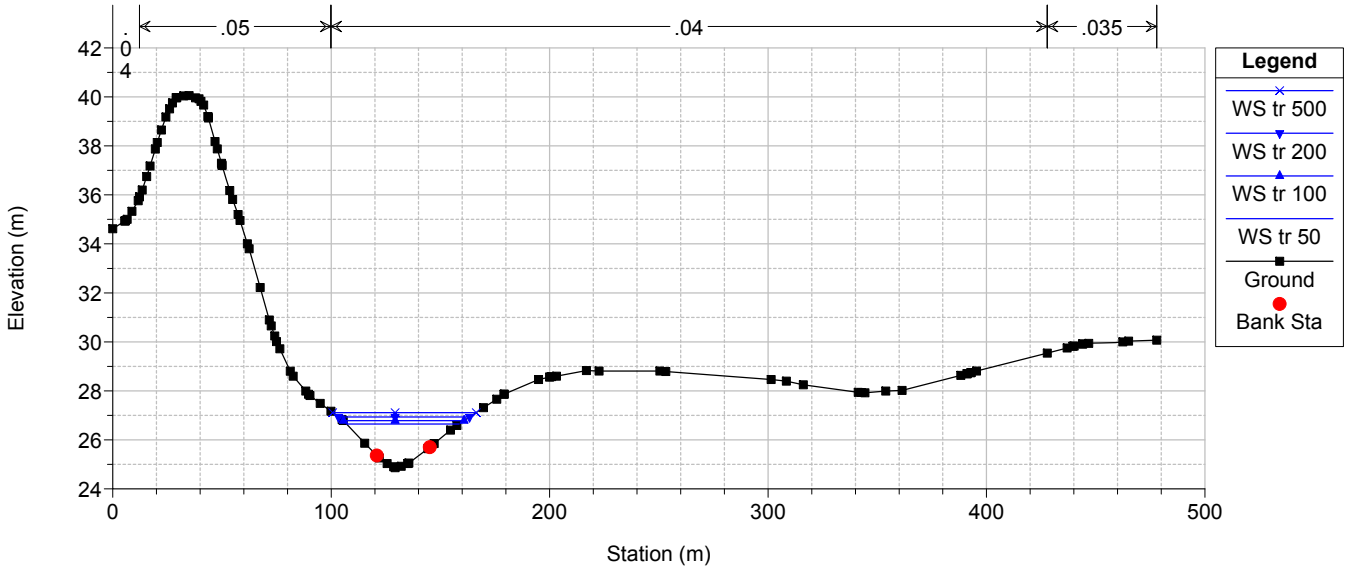
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1700 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

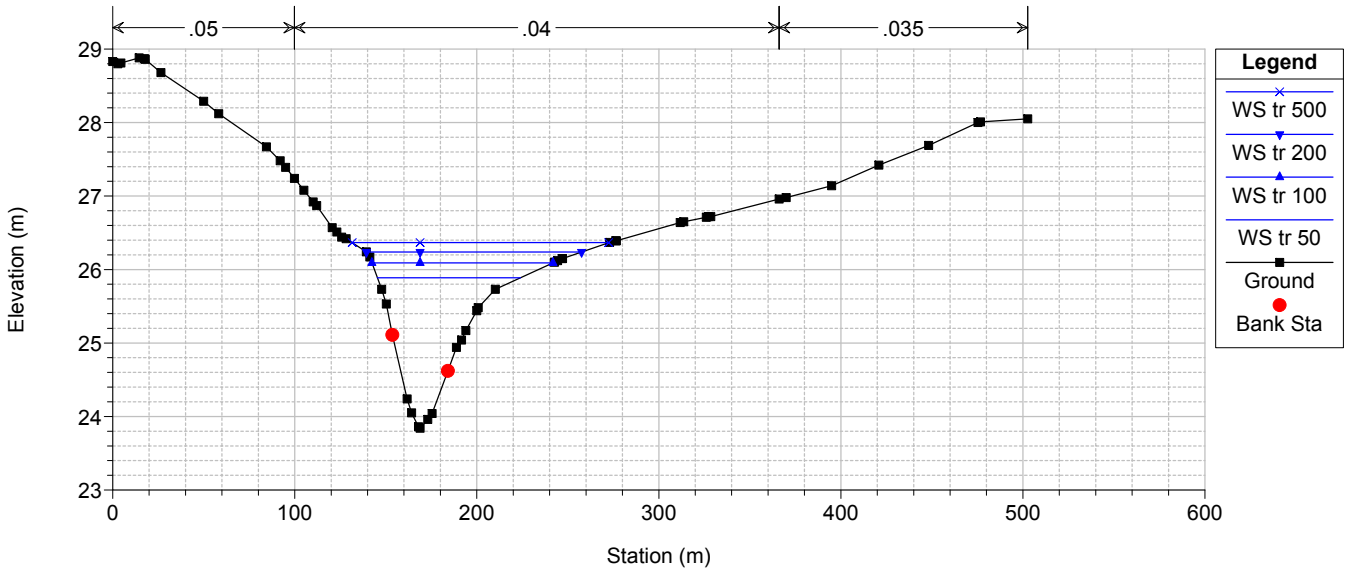
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1600 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

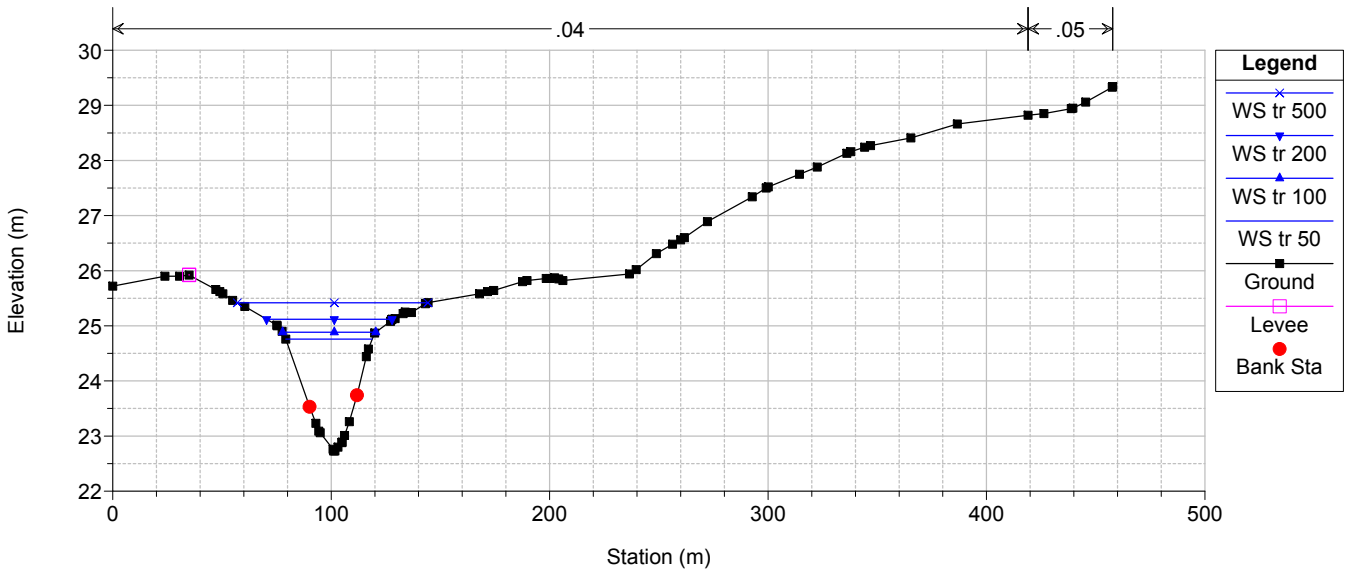
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1500 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

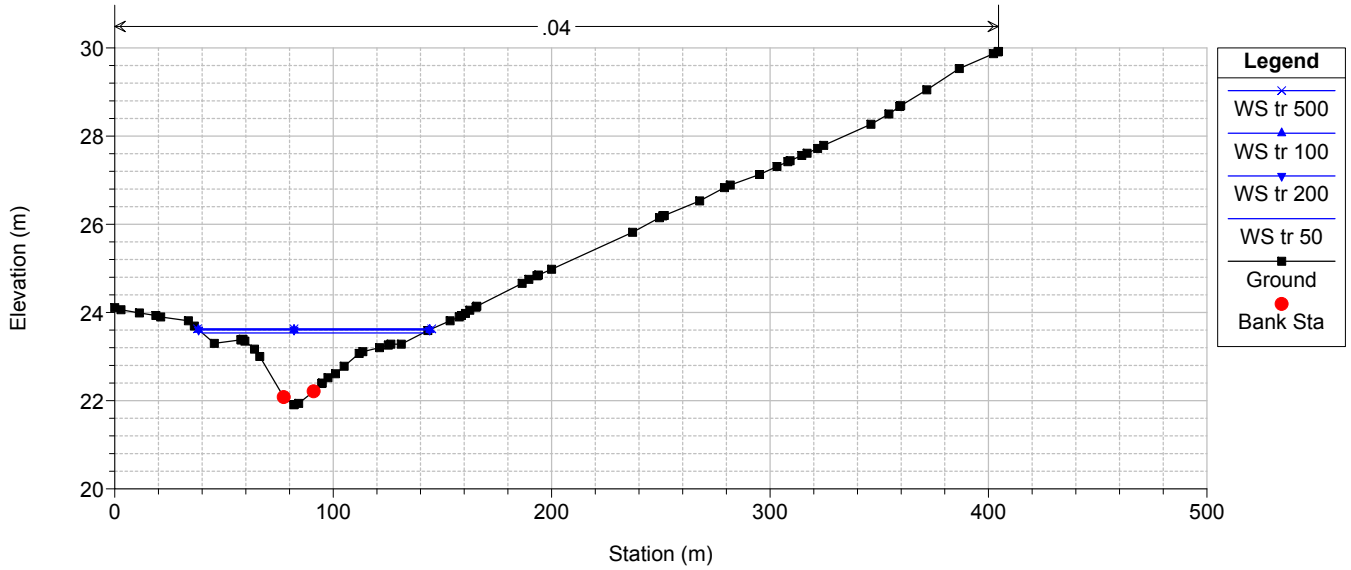
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1400 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

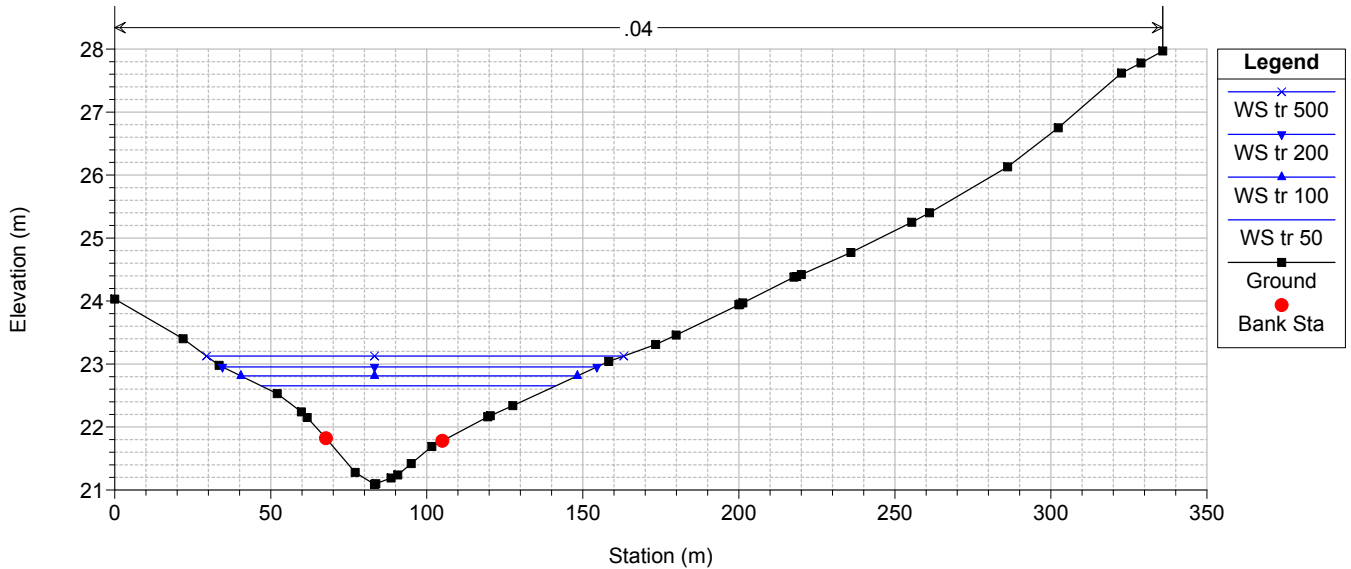
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1300 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

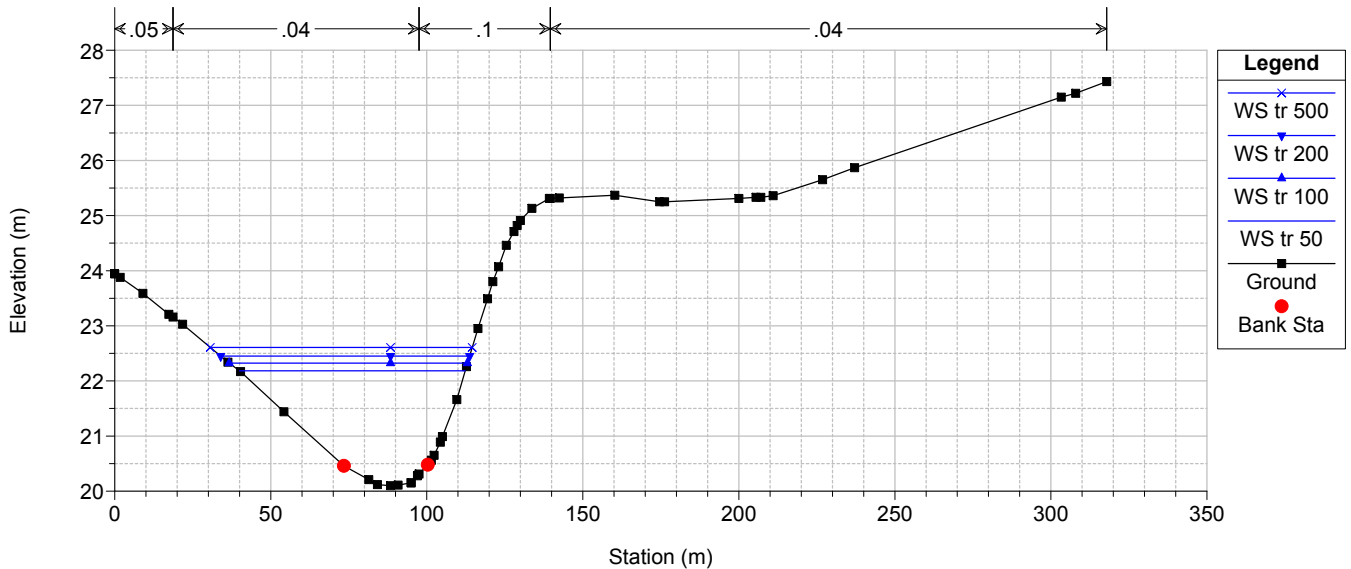
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1200 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

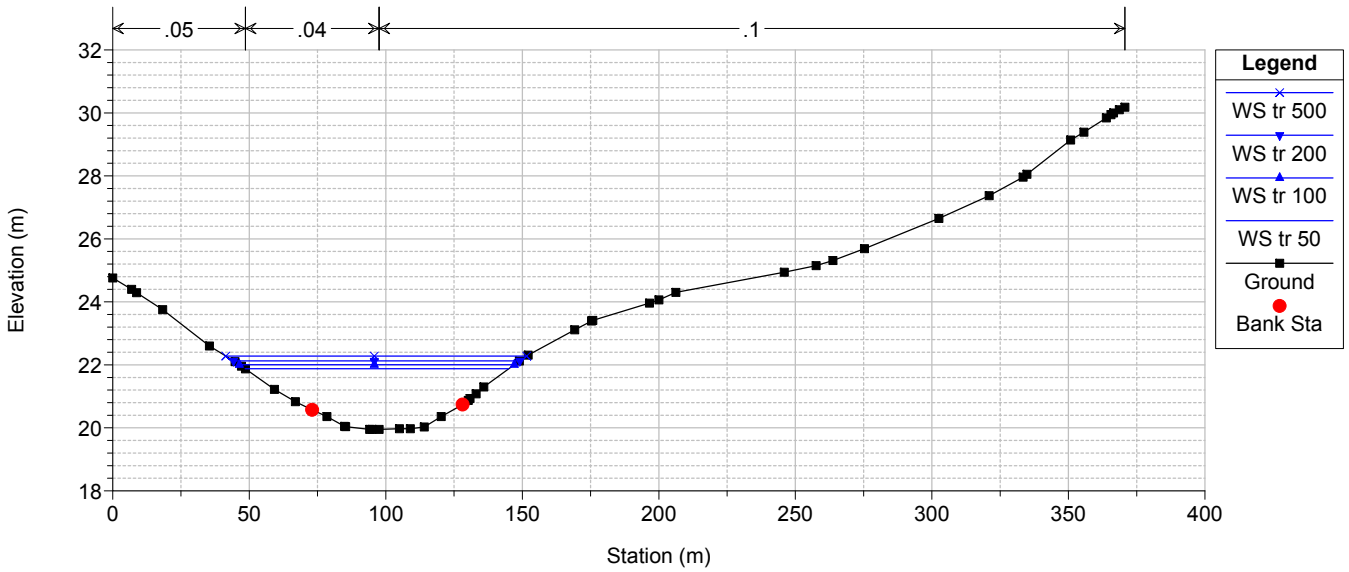
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1100 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

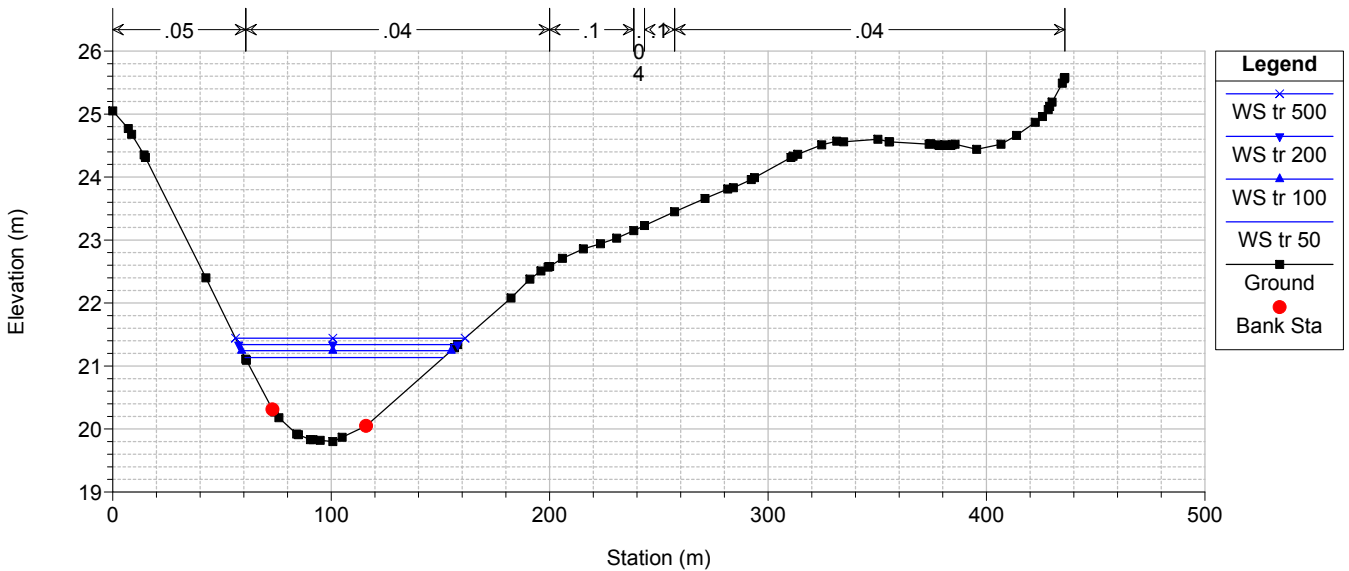
River = Riu Iscala Mala Reach = Asta 1-2 RS = 1000 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

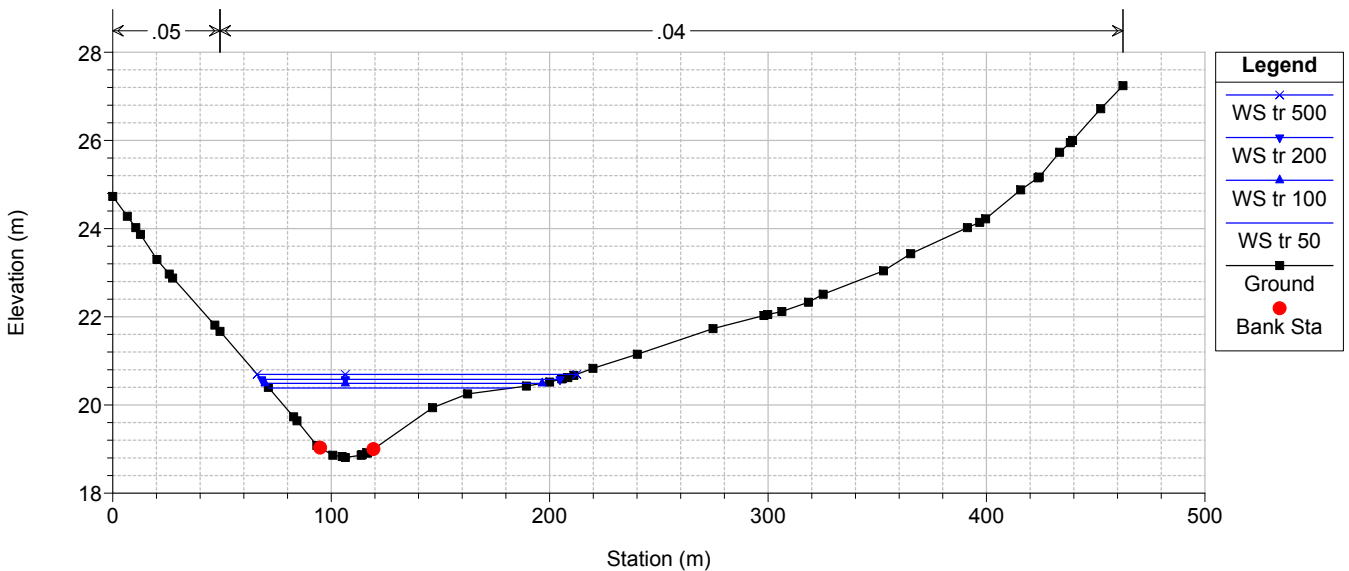
River = Riu Iscala Mala Reach = Asta 1-2 RS = 900.0001 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

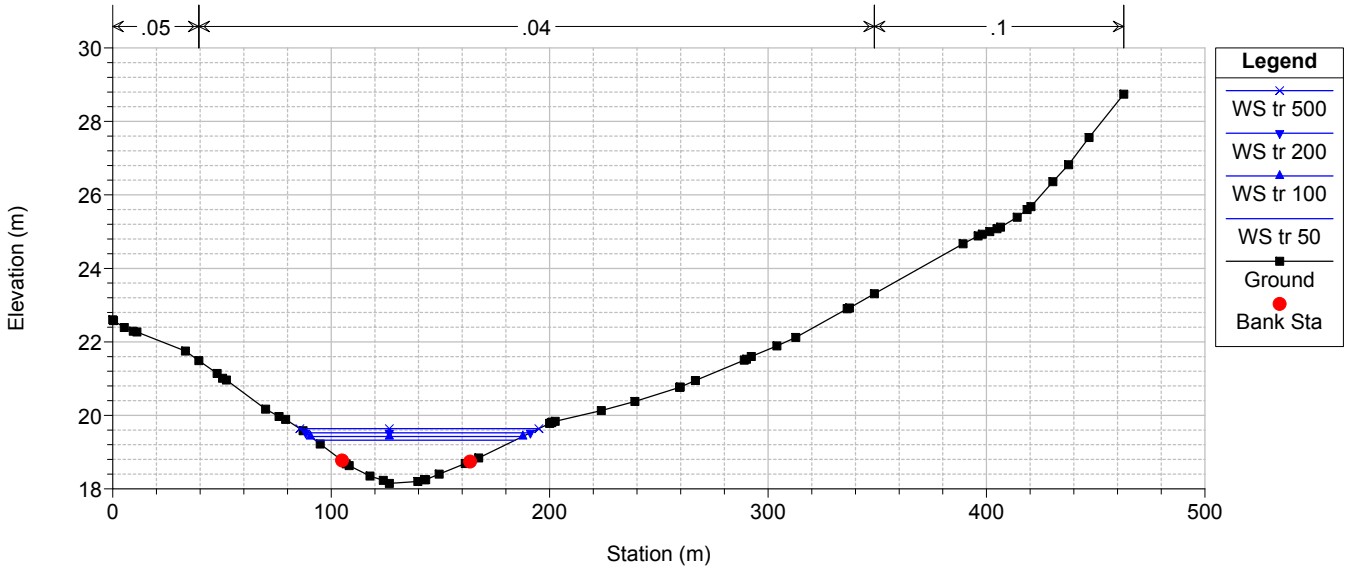
River = Riu Iscala Mala Reach = Asta 1-2 RS = 800 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

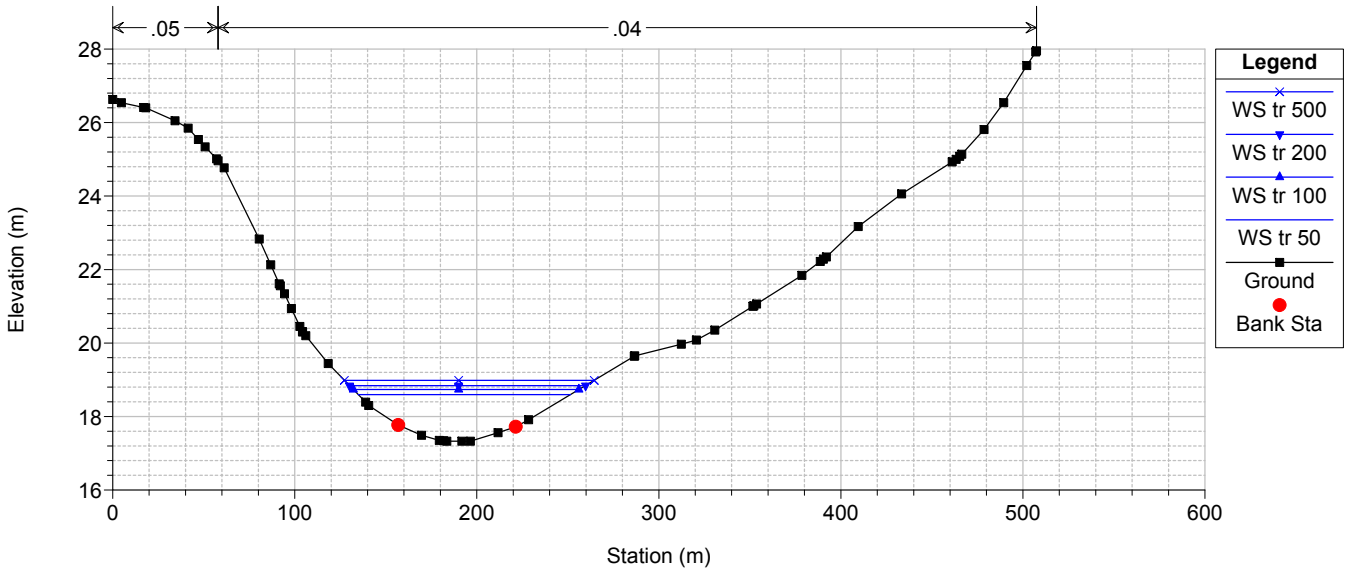
River = Riu Iscala Mala Reach = Asta 1-2 RS = 700 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

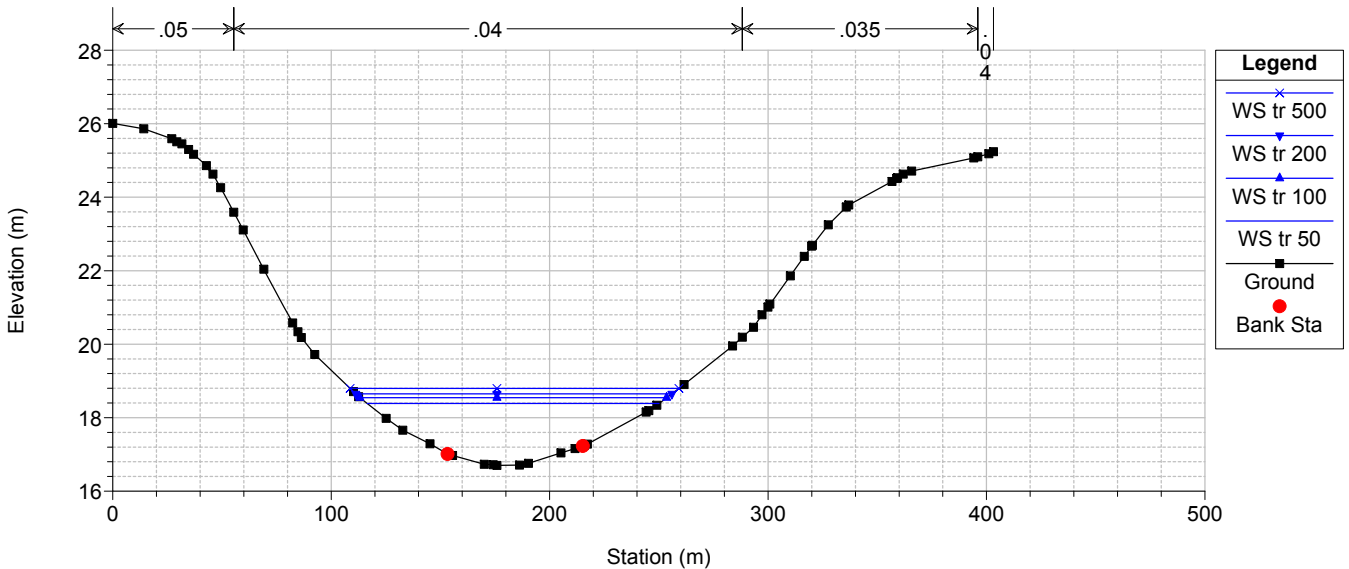
River = Riu Iscala Mala Reach = Asta 1-2 RS = 600.0001 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

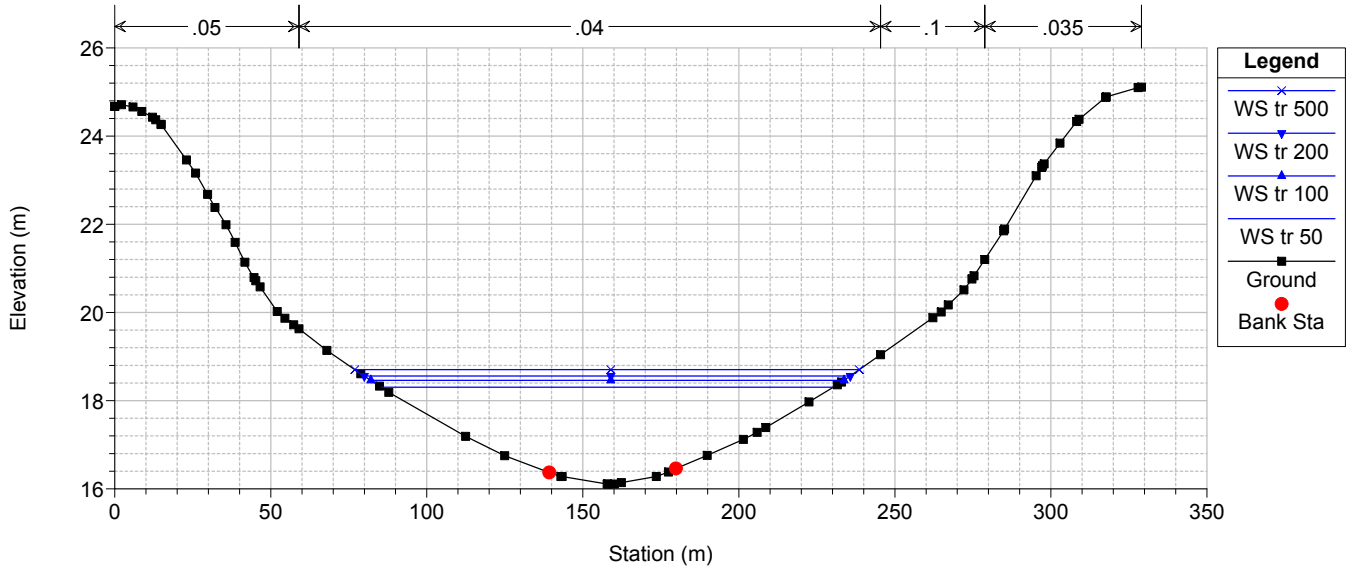
River = Riu Iscala Mala Reach = Asta 1-2 RS = 500 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

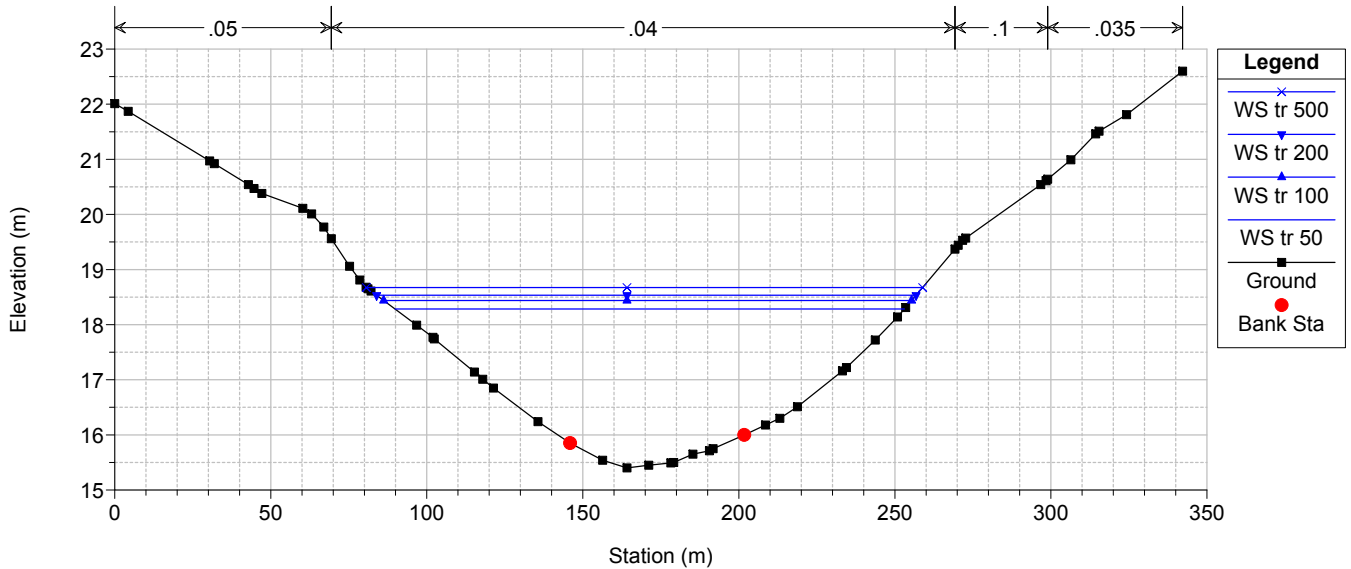
River = Riu Iscala Mala Reach = Asta 1-2 RS = 400 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

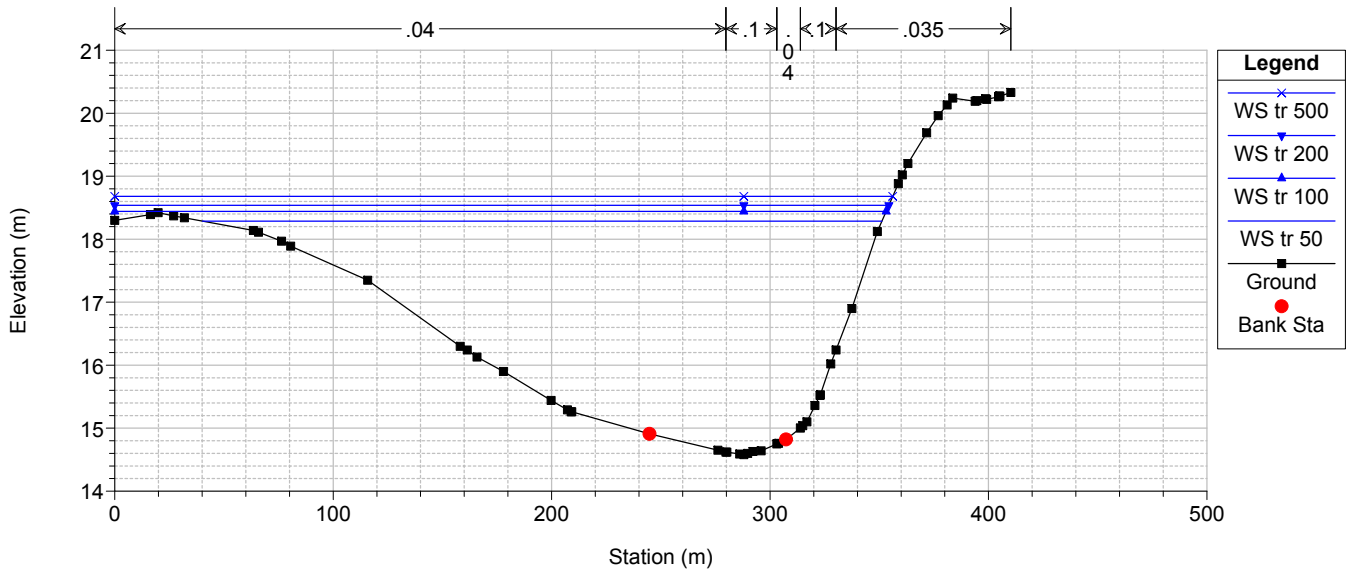
River = Riu Iscala Mala Reach = Asta 1-2 RS = 300 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

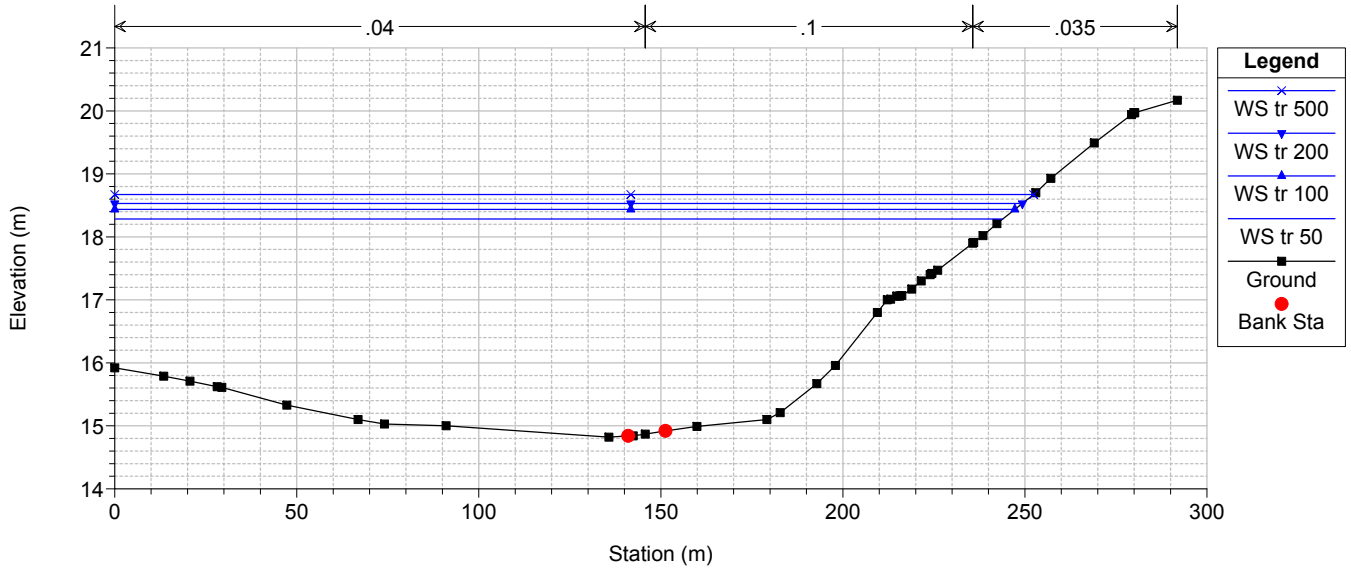
River = Riu Iscala Mala Reach = Asta 1-2 RS = 200.7484 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 29/09/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

River = Riu Iscala Mala Reach = Asta 1-2 RS = 115.1983 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2

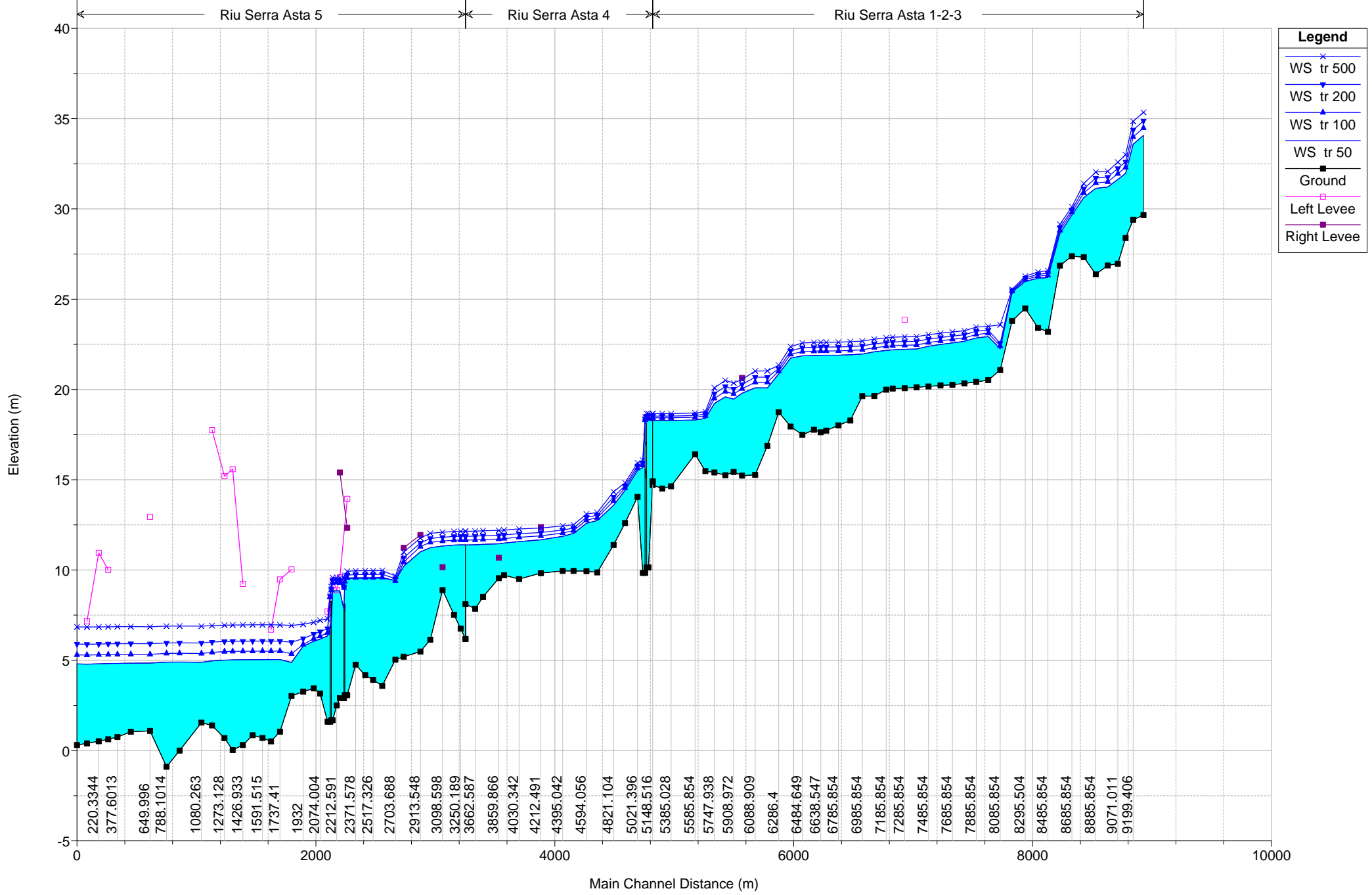


HEC-RAS Plan: Plan 01 River: Riu Iscala Mala Reach: Asta 1-2

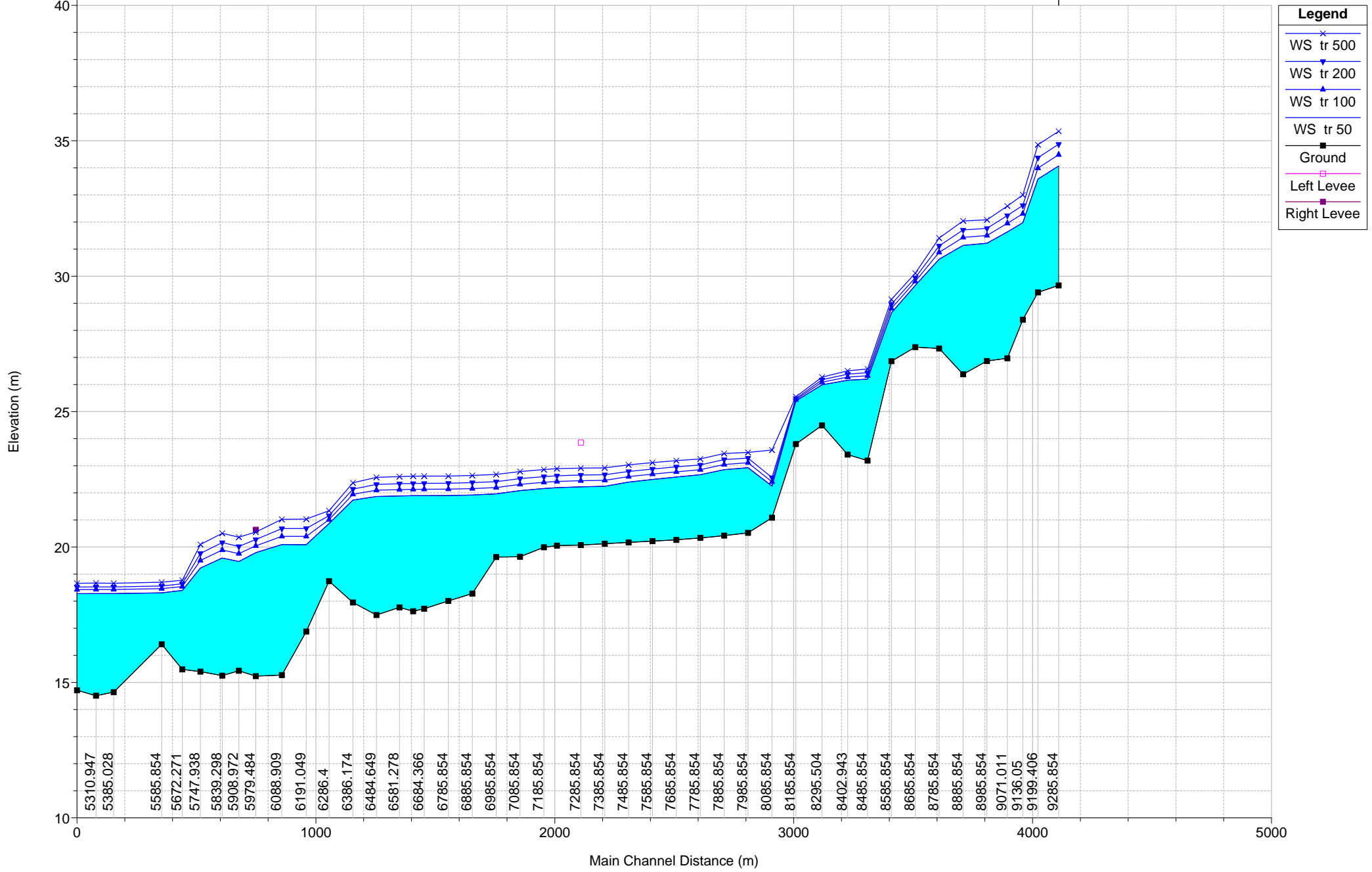
Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta 1-2	2800	tr 50	151.11	37.27	39.26	39.26	39.79	0.007973	3.44	52.55	53.11	0.88
Asta 1-2	2800	tr 100	179.32	37.27	39.41	39.41	39.97	0.007685	3.59	60.95	57.42	0.87
Asta 1-2	2800	tr 200	207.73	37.27	39.55	39.55	40.14	0.007438	3.72	69.28	61.39	0.87
Asta 1-2	2800	tr 500	245.48	37.27	39.71	39.71	40.34	0.007387	3.91	79.20	65.81	0.88
Asta 1-2	2700	tr 50	151.11	36.27	37.65	37.88	38.45	0.025078	4.54	41.32	55.56	1.31
Asta 1-2	2700	tr 100	179.32	36.27	37.73	38.02	38.64	0.026343	4.86	46.05	58.18	1.35
Asta 1-2	2700	tr 200	207.73	36.27	37.81	38.13	38.82	0.027344	5.15	50.63	60.60	1.39
Asta 1-2	2700	tr 500	245.48	36.27	37.92	38.27	39.02	0.027501	5.42	57.26	64.34	1.41
Asta 1-2	2600	tr 50	151.11	35.56	36.76	36.76	37.13	0.012871	2.95	59.86	82.91	0.91
Asta 1-2	2600	tr 100	179.32	35.56	36.86	36.86	37.26	0.012692	3.10	68.01	87.63	0.92
Asta 1-2	2600	tr 200	207.73	35.56	36.95	36.95	37.38	0.012253	3.22	76.70	93.09	0.92
Asta 1-2	2600	tr 500	245.48	35.56	37.07	37.07	37.52	0.011842	3.35	87.66	98.83	0.91
Asta 1-2	2500	tr 50	151.11	34.45	35.90	35.65	36.04	0.004476	2.16	98.69	129.48	0.58
Asta 1-2	2500	tr 100	179.32	34.45	36.02	35.73	36.16	0.004194	2.21	114.69	138.16	0.57
Asta 1-2	2500	tr 200	207.73	34.45	36.11	35.80	36.26	0.004194	2.29	127.38	143.17	0.58
Asta 1-2	2500	tr 500	245.48	34.45	36.22	35.89	36.39	0.004134	2.39	144.24	149.56	0.58
Asta 1-2	2400	tr 50	151.11	33.44	34.90	34.90	35.32	0.012041	3.10	57.03	72.87	0.90
Asta 1-2	2400	tr 100	179.32	33.44	35.01	35.01	35.47	0.011864	3.27	66.09	83.14	0.91
Asta 1-2	2400	tr 200	207.73	33.44	35.16	35.16	35.61	0.010399	3.28	79.13	96.55	0.87
Asta 1-2	2400	tr 500	245.48	33.44	35.30	35.30	35.76	0.009675	3.37	93.68	107.84	0.85
Asta 1-2	2300	tr 50	151.11	32.22	33.90	33.43	34.04	0.003027	1.88	98.73	95.71	0.47
Asta 1-2	2300	tr 100	179.32	32.22	34.06	33.54	34.21	0.002851	1.94	114.52	102.10	0.47
Asta 1-2	2300	tr 200	207.73	32.22	34.21	33.65	34.36	0.002726	2.00	129.82	107.94	0.46
Asta 1-2	2300	tr 500	245.48	32.22	34.39	33.77	34.55	0.002583	2.07	149.90	115.15	0.46
Asta 1-2	2200	tr 50	151.11	31.19	32.96	32.96	33.48	0.011062	3.52	51.48	50.42	0.90
Asta 1-2	2200	tr 100	179.32	31.19	33.10	33.10	33.67	0.010925	3.70	58.71	53.48	0.91
Asta 1-2	2200	tr 200	207.73	31.19	33.24	33.24	33.84	0.010595	3.84	66.24	56.50	0.91
Asta 1-2	2200	tr 500	245.48	31.19	33.40	33.40	34.04	0.010266	4.01	75.90	60.15	0.91
Asta 1-2	2100	tr 50	151.11	29.99	31.59	31.09	31.69	0.002549	1.66	115.56	120.45	0.43
Asta 1-2	2100	tr 100	179.32	29.99	31.71	31.20	31.82	0.002501	1.73	130.12	121.69	0.43
Asta 1-2	2100	tr 200	207.73	29.99	31.82	31.29	31.94	0.002470	1.80	143.81	122.85	0.44
Asta 1-2	2100	tr 500	245.48	29.99	31.96	31.39	32.09	0.002440	1.88	160.90	124.28	0.44
Asta 1-2	2000	tr 50	151.11	29.69	31.08	31.08	31.30	0.006316	2.24	77.86	91.75	0.65
Asta 1-2	2000	tr 100	179.32	29.69	31.20	31.20	31.44	0.006161	2.35	88.86	96.60	0.66
Asta 1-2	2000	tr 200	207.73	29.69	31.30	31.30	31.56	0.006212	2.48	98.52	100.67	0.67
Asta 1-2	2000	tr 500	245.48	29.69	31.46	31.46	31.72	0.005601	2.53	115.44	107.43	0.64
Asta 1-2	1900	tr 50	151.11	28.18	29.93	29.93	30.43	0.011978	3.48	52.67	57.20	0.93
Asta 1-2	1900	tr 100	179.32	28.18	30.09	30.09	30.61	0.010983	3.58	62.74	67.56	0.90
Asta 1-2	1900	tr 200	207.73	28.18	30.24	30.24	30.76	0.010000	3.62	73.60	77.64	0.87
Asta 1-2	1900	tr 500	245.48	28.18	30.35	30.35	30.94	0.010785	3.91	82.22	87.83	0.92
Asta 1-2	1800	tr 50	151.11	26.40	28.46	28.13	28.77	0.005660	2.52	64.27	53.33	0.65
Asta 1-2	1800	tr 100	179.32	26.40	28.61	28.29	28.96	0.005657	2.68	72.51	55.80	0.66
Asta 1-2	1800	tr 200	207.73	26.40	28.76	28.42	29.14	0.005596	2.82	80.81	58.35	0.66
Asta 1-2	1800	tr 500	245.48	26.40	28.94	28.58	29.35	0.005507	2.97	91.69	61.90	0.67
Asta 1-2	1700	tr 50	151.11	25.73	27.69	27.55	28.10	0.007759	3.31	58.51	52.25	0.78
Asta 1-2	1700	tr 100	179.32	25.73	27.84	27.70	28.29	0.007809	3.50	66.43	55.58	0.79
Asta 1-2	1700	tr 200	207.73	25.73	27.95	27.84	28.45	0.008160	3.71	73.01	58.15	0.82
Asta 1-2	1700	tr 500	245.48	25.73	28.08	28.01	28.65	0.008737	4.00	80.71	60.98	0.85
Asta 1-2	1600	tr 50	151.11	24.86	26.65	26.65	27.17	0.011095	3.43	51.26	51.56	0.90
Asta 1-2	1600	tr 100	179.32	24.86	26.78	26.78	27.35	0.010994	3.62	58.54	55.29	0.91
Asta 1-2	1600	tr 200	207.73	24.86	26.93	26.93	27.53	0.010400	3.73	67.04	60.00	0.89
Asta 1-2	1600	tr 500	245.48	24.86	27.11	27.11	27.73	0.009719	3.85	78.39	65.70	0.88
Asta 1-2	1500	tr 50	151.11	23.84	25.89	25.62	26.20	0.005767	2.62	69.49	78.60	0.66
Asta 1-2	1500	tr 100	179.32	23.84	26.09	25.73	26.39	0.004911	2.62	87.60	99.43	0.62
Asta 1-2	1500	tr 200	207.73	23.84	26.24	25.94	26.54	0.004643	2.68	103.61	118.20	0.61
Asta 1-2	1500	tr 500	245.48	23.84	26.37	26.13	26.69	0.004855	2.86	120.04	140.88	0.63
Asta 1-2	1400	tr 50	151.11	22.73	24.76	24.76	25.39	0.011024	3.68	46.17	39.63	0.91
Asta 1-2	1400	tr 100	179.32	22.73	24.88	24.88	25.62	0.011816	4.00	51.25	42.65	0.95
Asta 1-2	1400	tr 200	207.73	22.73	25.12	25.12	25.84	0.010066	4.01	62.93	57.40	0.90
Asta 1-2	1400	tr 500	245.48	22.73	25.42	25.42	26.05	0.007850	3.88	84.71	87.29	0.81
Asta 1-2	1300	tr 50	166.77	21.91	23.54	23.68	24.06	0.015252	4.07	63.58	101.21	1.06
Asta 1-2	1300	tr 100	197.61	21.91	23.61	23.76	24.18	0.016227	4.33	71.02	105.85	1.10
Asta 1-2	1300	tr 200	228.65	21.91	23.61	23.80	24.38	0.021809	5.01	70.91	105.78	1.27
Asta 1-2	1300	tr 500	269.87	21.91	23.63	23.95	24.63	0.028167	5.75	73.09	107.21	1.45
Asta 1-2	1200	tr 50	166.77	21.09	22.65	22.63	23.02	0.010148	2.92	69.18	94.35	0.83
Asta 1-2	1200	tr 100	197.61	21.09	22.81	22.75	23.16	0.008548	2.90	85.14	107.81	0.78
Asta 1-2	1200	tr 200	228.65	21.09	22.95	22.86	23.29	0.007453	2.89	101.39	119.96	0.74

HEC-RAS Plan: Plan 01 River: Riu Iscala Mala Reach: Asta 1-2 (Continued)

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
Asta 1-2	1200	tr 500	269.87	21.09	23.13	22.98	23.45	0.006405	2.87	123.26	133.68	0.70
Asta 1-2	1100	tr 50	166.77	20.10	22.18		22.40	0.003773	2.27	93.13	72.29	0.52
Asta 1-2	1100	tr 100	197.61	20.10	22.32		22.57	0.004017	2.45	103.50	76.32	0.54
Asta 1-2	1100	tr 200	228.65	20.10	22.45		22.72	0.004212	2.61	113.53	79.76	0.56
Asta 1-2	1100	tr 500	269.87	20.10	22.61		22.92	0.004424	2.80	126.33	83.89	0.58
Asta 1-2	1000	tr 50	166.77	19.95	21.88		21.98	0.003875	1.49	121.35	96.56	0.36
Asta 1-2	1000	tr 100	197.61	19.95	22.01		22.13	0.004057	1.60	134.09	100.76	0.38
Asta 1-2	1000	tr 200	228.65	19.95	22.13		22.27	0.004196	1.70	146.57	104.81	0.39
Asta 1-2	1000	tr 500	269.87	19.95	22.28		22.44	0.004326	1.81	162.85	110.19	0.40
Asta 1-2	900.0001	tr 50	166.77	19.80	21.13		21.42	0.008232	2.56	75.70	90.83	0.75
Asta 1-2	900.0001	tr 100	197.61	19.80	21.24		21.56	0.008108	2.69	85.97	95.98	0.75
Asta 1-2	900.0001	tr 200	228.65	19.80	21.34		21.68	0.008154	2.83	95.30	100.25	0.76
Asta 1-2	900.0001	tr 500	269.87	19.80	21.44	21.33	21.83	0.008522	3.03	105.80	105.07	0.79
Asta 1-2	800	tr 50	166.77	18.81	20.39	20.19	20.66	0.006998	2.75	83.62	111.23	0.71
Asta 1-2	800	tr 100	197.61	18.81	20.49	20.25	20.79	0.007208	2.91	96.19	126.90	0.73
Asta 1-2	800	tr 200	228.65	18.81	20.58	20.50	20.90	0.007356	3.05	107.91	136.65	0.75
Asta 1-2	800	tr 500	269.87	18.81	20.69	20.63	21.03	0.007238	3.16	124.20	146.34	0.75
Asta 1-2	700	tr 50	166.77	18.15	19.32	19.32	19.70	0.013639	2.80	64.67	91.48	0.92
Asta 1-2	700	tr 100	197.61	18.15	19.42	19.42	19.83	0.013054	2.94	74.22	97.19	0.92
Asta 1-2	700	tr 200	228.65	18.15	19.52	19.52	19.95	0.012341	3.03	84.19	102.82	0.91
Asta 1-2	700	tr 500	269.87	18.15	19.64	19.64	20.10	0.011938	3.18	96.21	109.44	0.91
Asta 1-2	600.0001	tr 50	166.77	17.33	18.60	18.34	18.77	0.005296	1.96	95.70	116.69	0.59
Asta 1-2	600.0001	tr 100	197.61	17.33	18.73	18.44	18.91	0.004768	2.01	112.09	123.92	0.57
Asta 1-2	600.0001	tr 200	228.65	17.33	18.84	18.52	19.03	0.004618	2.09	125.84	129.68	0.57
Asta 1-2	600.0001	tr 500	269.87	17.33	18.98	18.62	19.19	0.004347	2.17	144.87	137.25	0.56
Asta 1-2	500	tr 50	166.77	16.70	18.39		18.47	0.001702	1.36	142.51	133.66	0.35
Asta 1-2	500	tr 100	197.61	16.70	18.54		18.63	0.001616	1.42	163.79	140.42	0.35
Asta 1-2	500	tr 200	228.65	16.70	18.65		18.74	0.001688	1.51	178.87	144.67	0.36
Asta 1-2	500	tr 500	269.87	16.70	18.80		18.90	0.001699	1.60	200.73	150.51	0.37
Asta 1-2	400	tr 50	166.77	16.11	18.30		18.35	0.000735	1.10	191.35	144.87	0.24
Asta 1-2	400	tr 100	197.61	16.11	18.46		18.51	0.000754	1.17	214.46	151.67	0.25
Asta 1-2	400	tr 200	228.65	16.11	18.56		18.62	0.000836	1.27	229.59	155.76	0.27
Asta 1-2	400	tr 500	269.87	16.11	18.70		18.77	0.000896	1.37	252.45	161.66	0.28
Asta 1-2	300	tr 50	166.77	15.40	18.28		18.30	0.000221	0.72	286.37	163.27	0.14
Asta 1-2	300	tr 100	197.61	15.40	18.44		18.46	0.000246	0.78	311.97	169.21	0.15
Asta 1-2	300	tr 200	228.65	15.40	18.53		18.56	0.000286	0.86	328.23	172.87	0.16
Asta 1-2	300	tr 500	269.87	15.40	18.67		18.71	0.000327	0.95	352.94	178.26	0.17
Asta 1-2	200.7484	tr 50	166.77	14.58	18.29		18.29	0.000047	0.31	646.12	311.07	0.05
Asta 1-2	200.7484	tr 100	197.61	14.58	18.44		18.45	0.000058	0.35	697.80	353.15	0.06
Asta 1-2	200.7484	tr 200	228.65	14.58	18.54		18.54	0.000067	0.38	731.84	354.37	0.06
Asta 1-2	200.7484	tr 500	269.87	14.58	18.68		18.69	0.000076	0.42	782.46	356.16	0.07
Asta 1-2	115.1983	tr 50	166.77	14.84	18.28		18.29	0.000038	0.24	658.42	243.92	0.04
Asta 1-2	115.1983	tr 100	197.61	14.84	18.44		18.44	0.000045	0.26	696.04	247.26	0.04
Asta 1-2	115.1983	tr 200	228.65	14.84	18.53		18.54	0.000054	0.30	719.58	249.32	0.05
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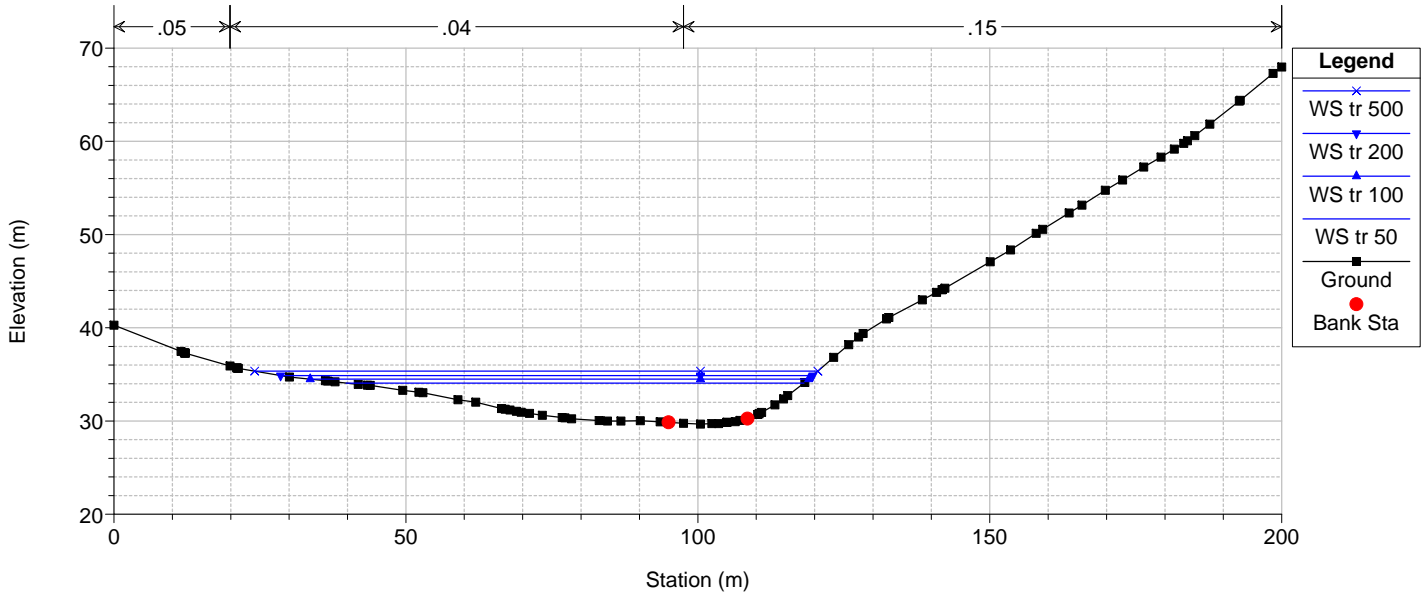
Riu Serra Asta 1-2-3



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

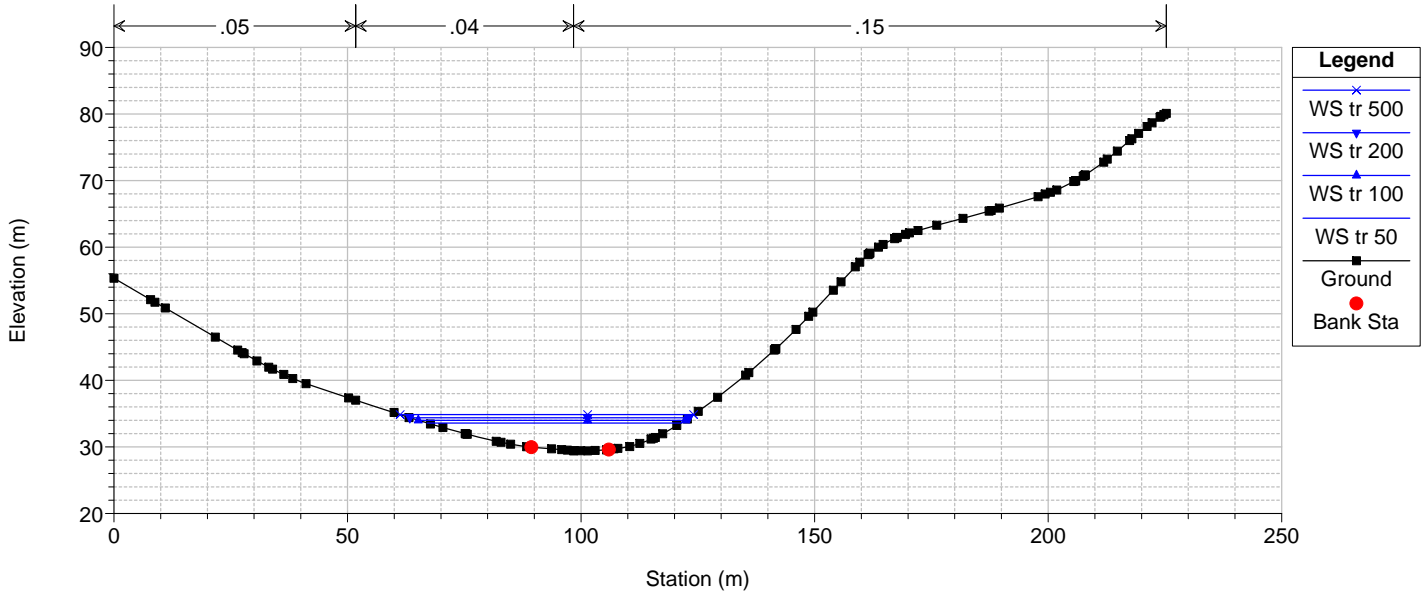
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

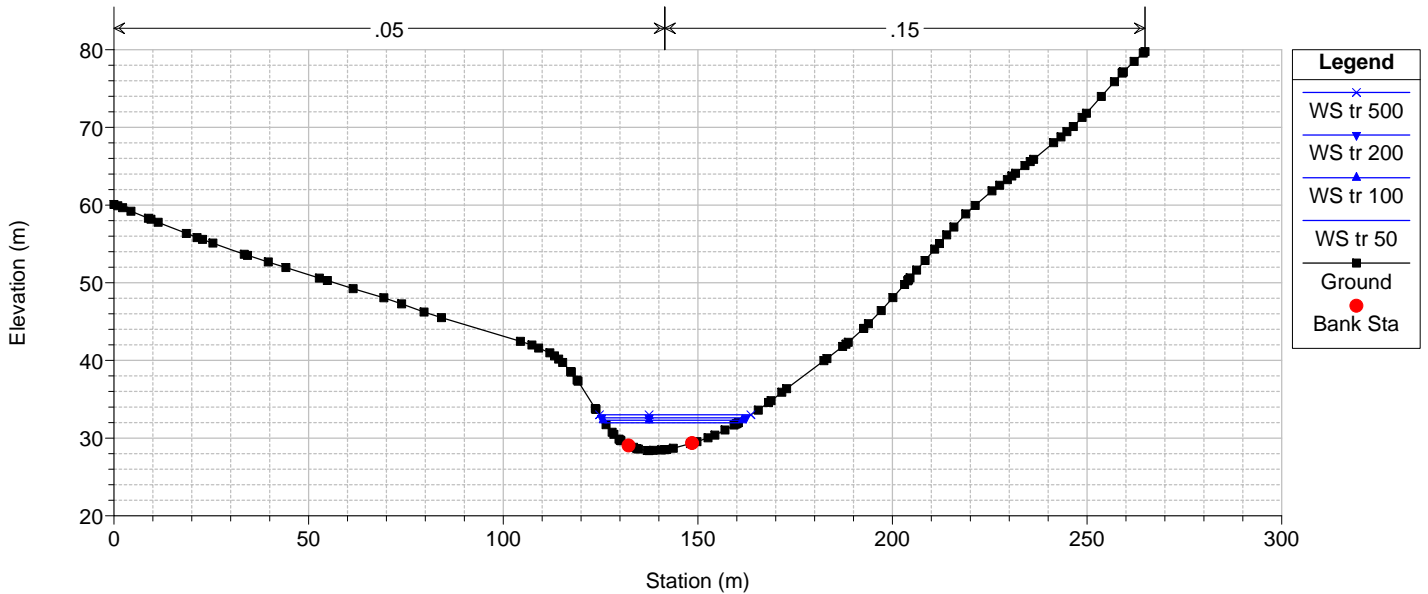
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

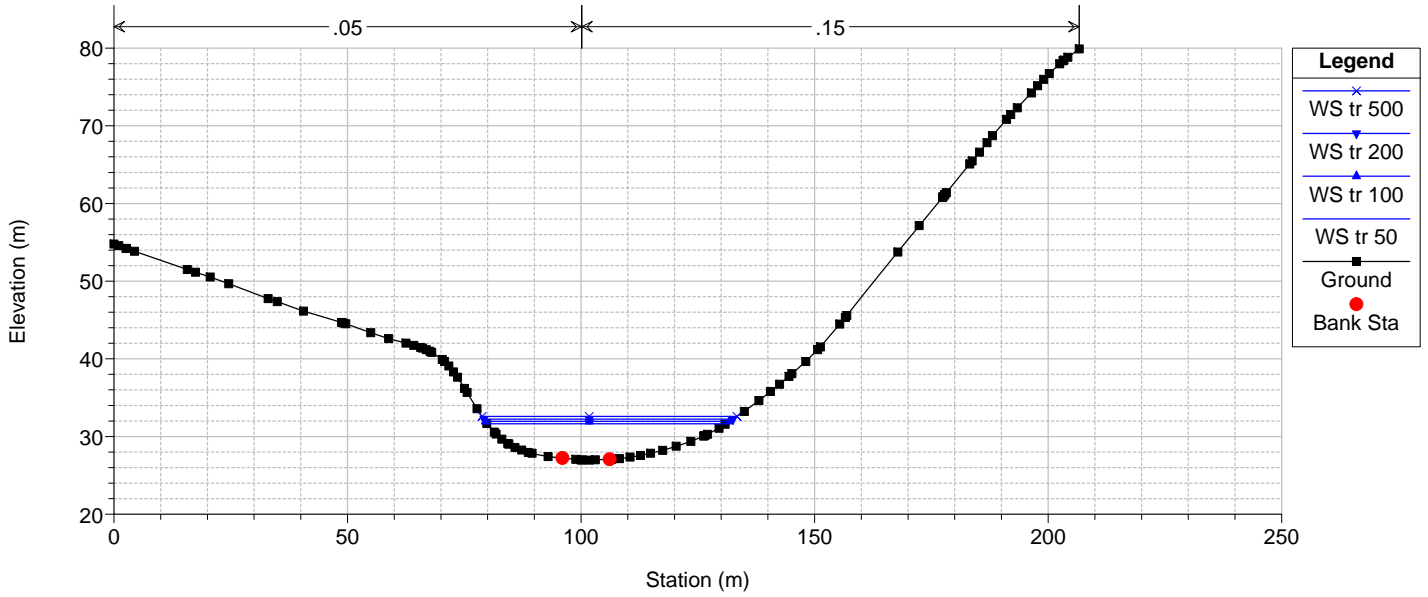
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

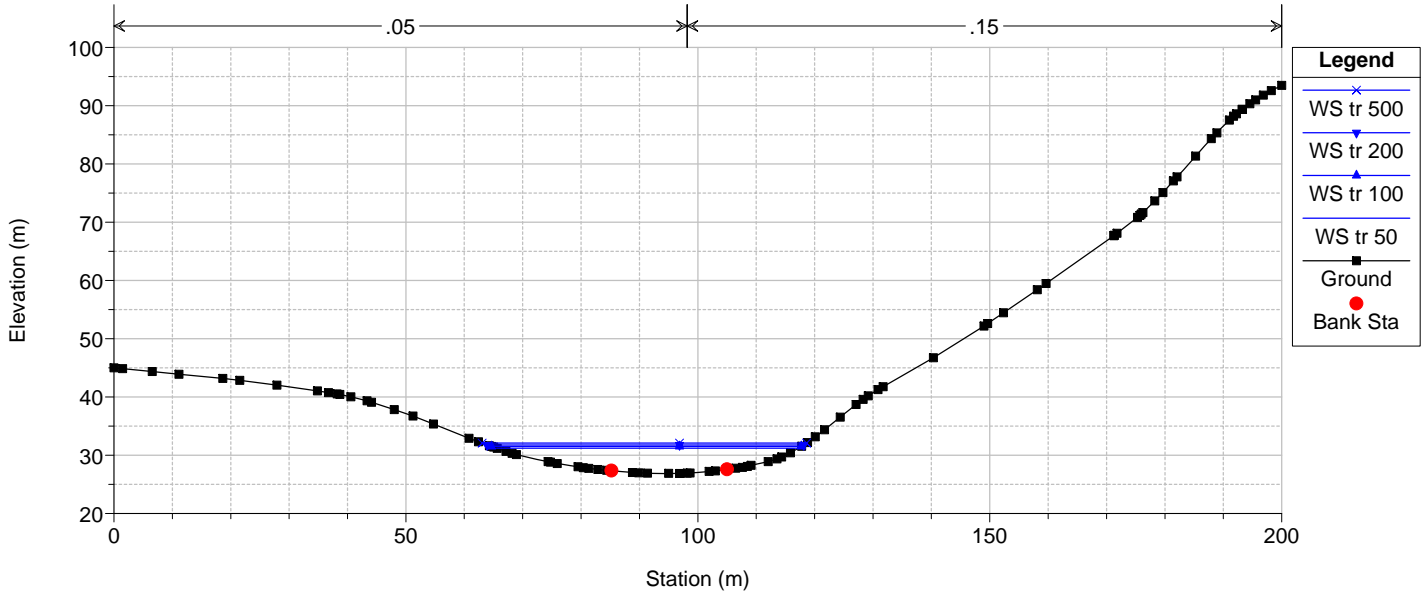
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

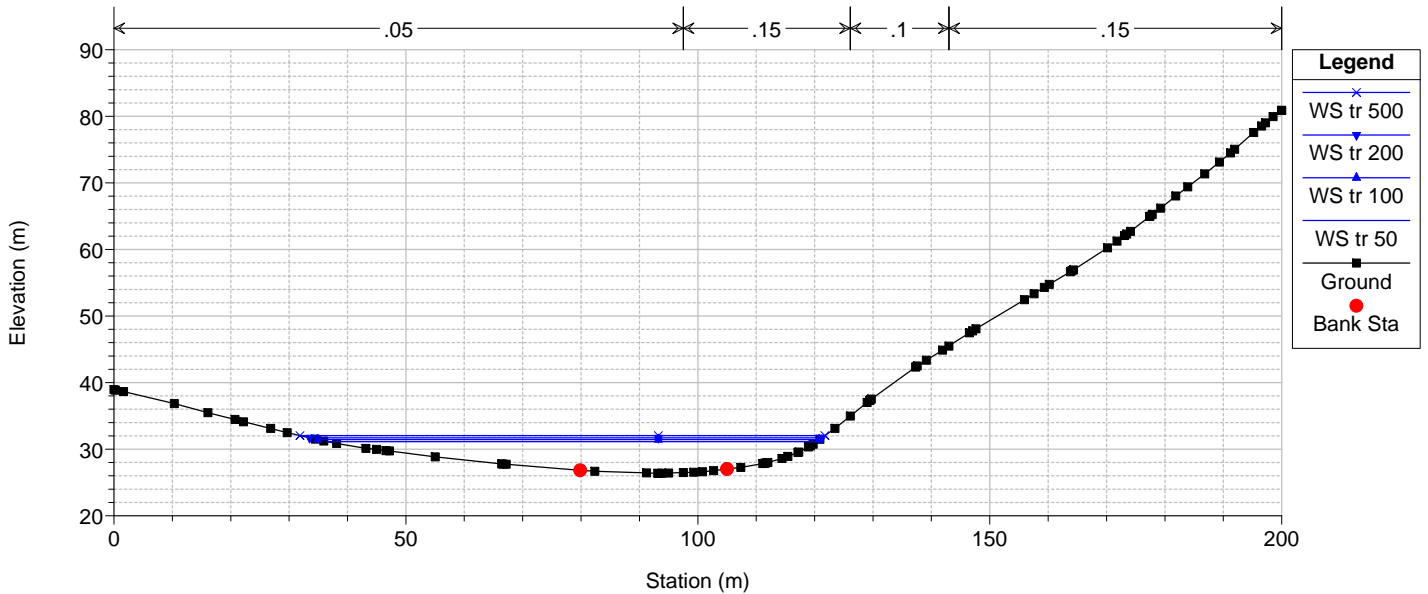
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rioserra_28092017 Plan: Plan 01 9/29/2017

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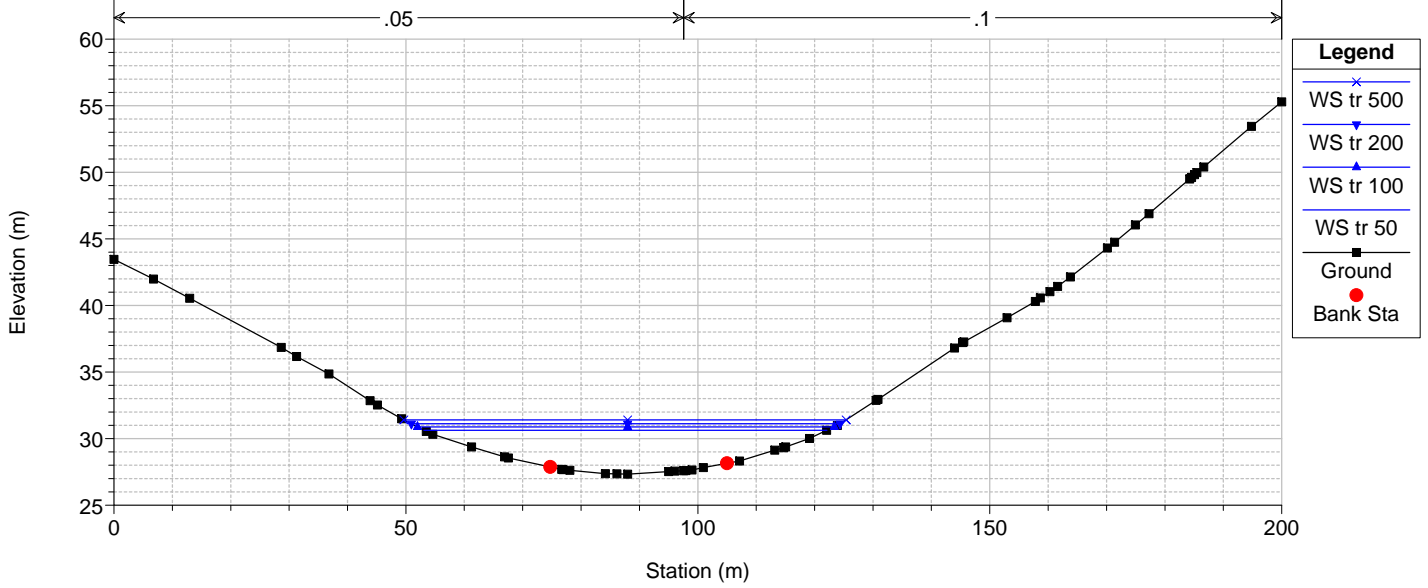
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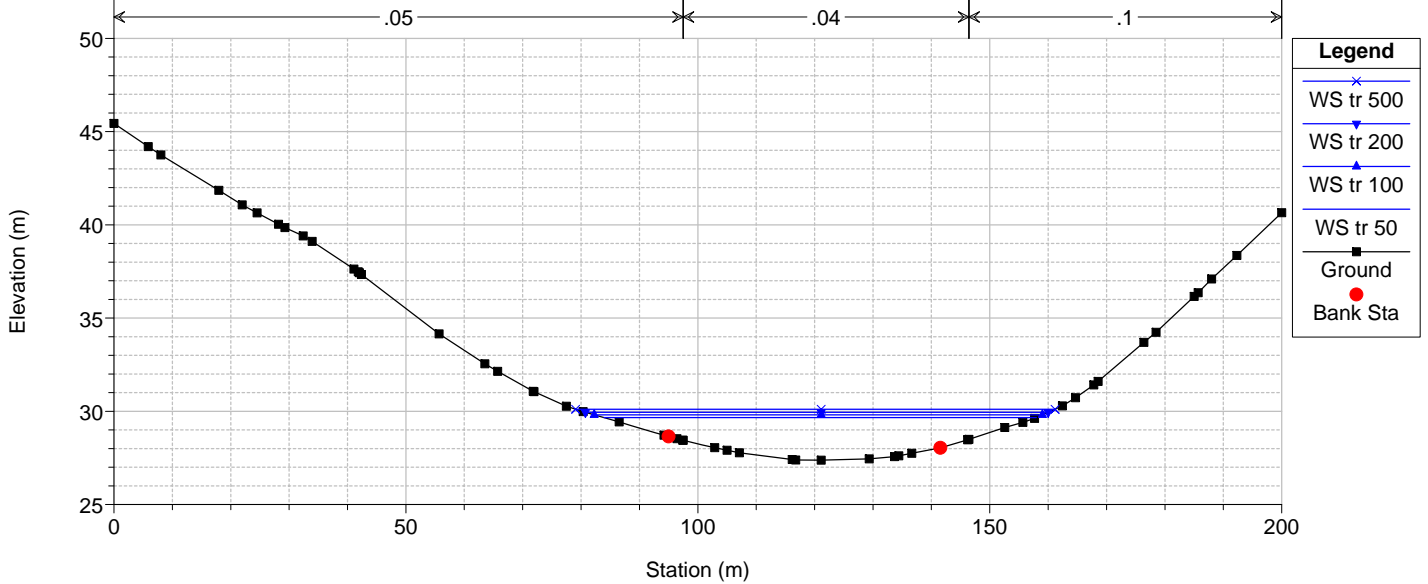
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

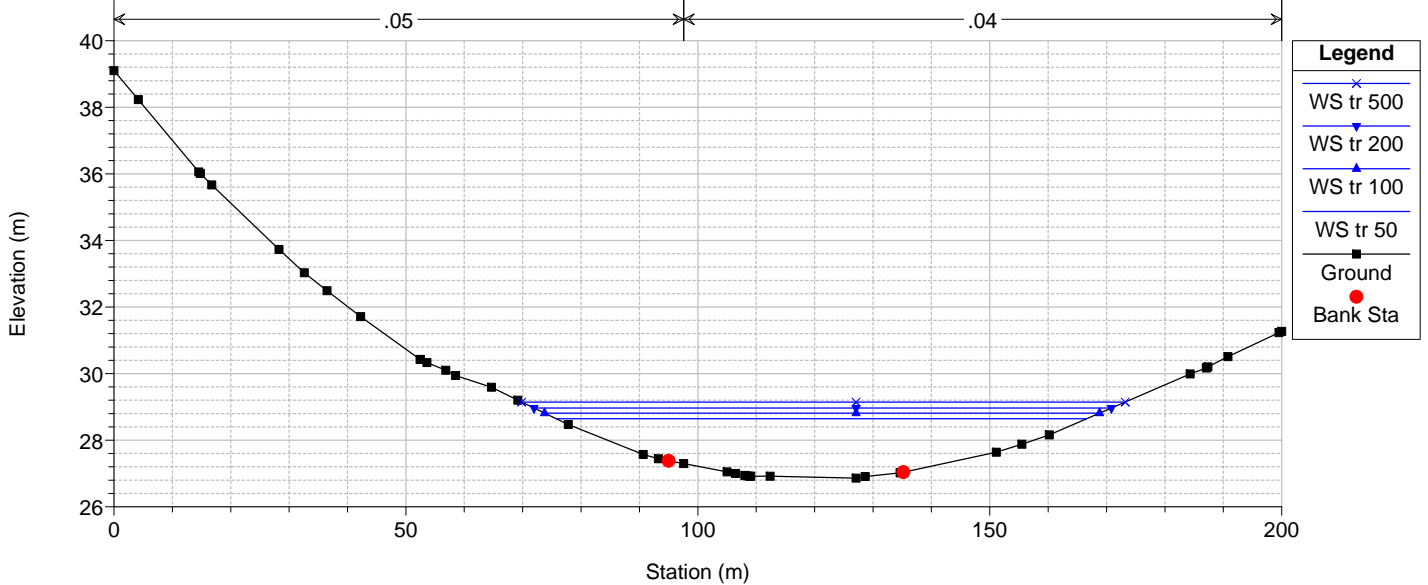
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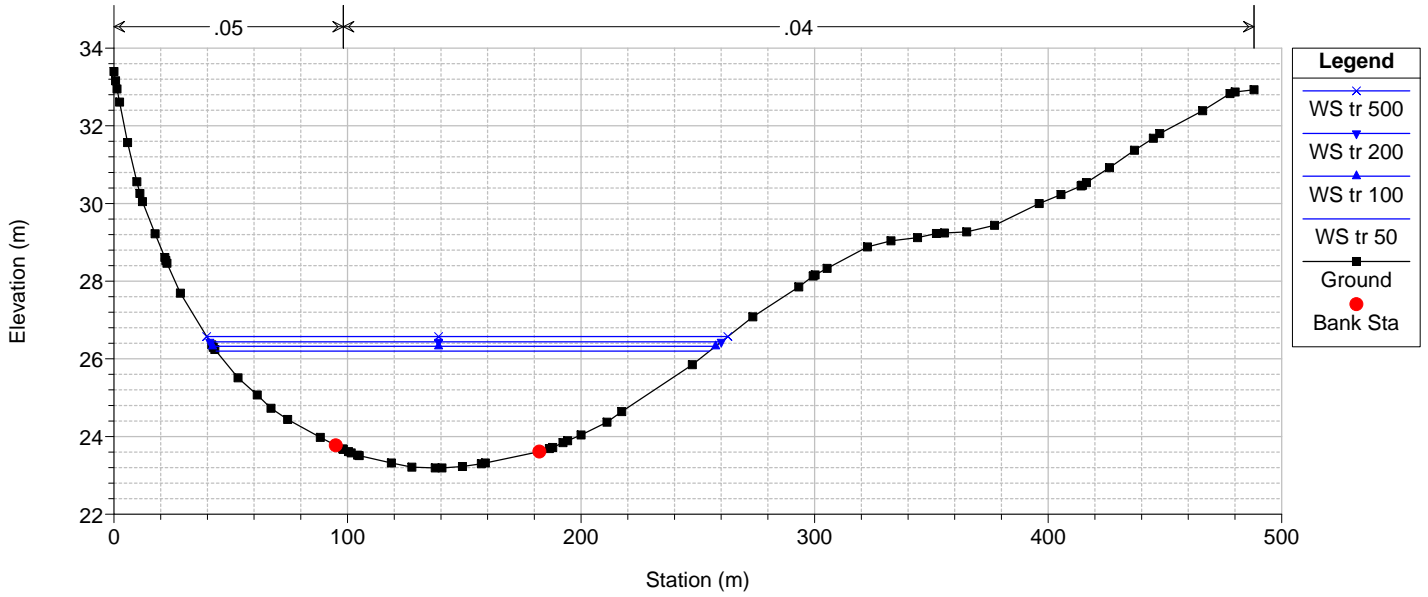
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

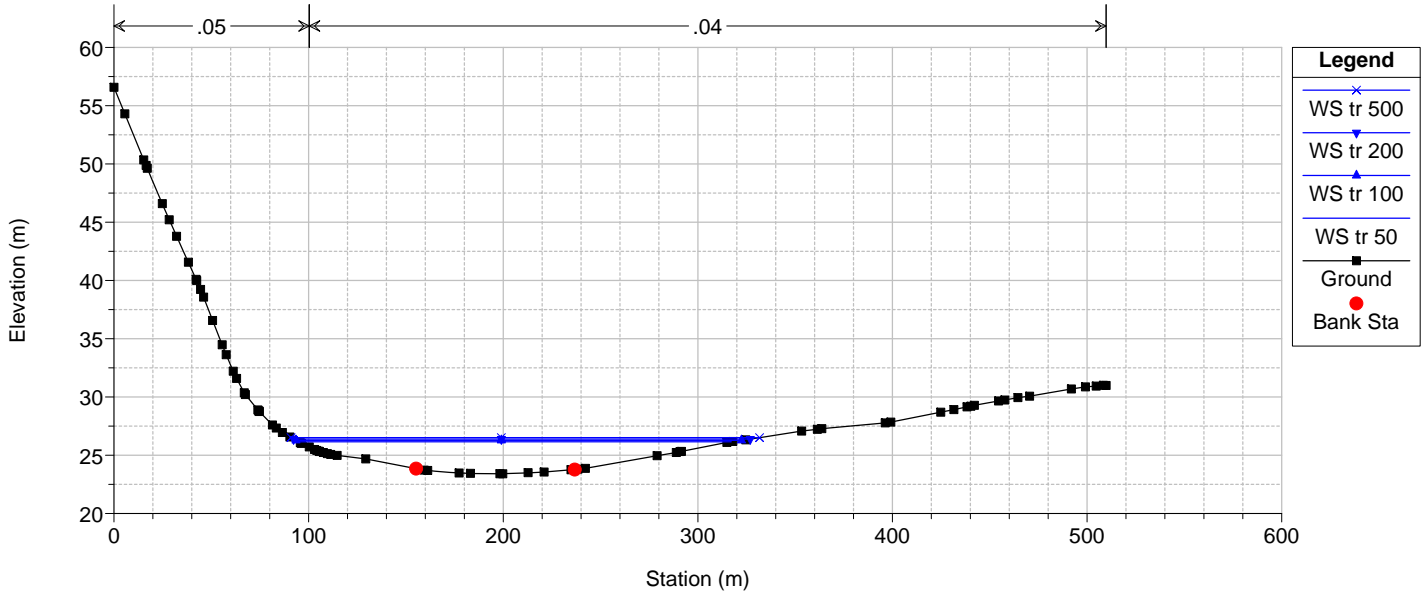
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

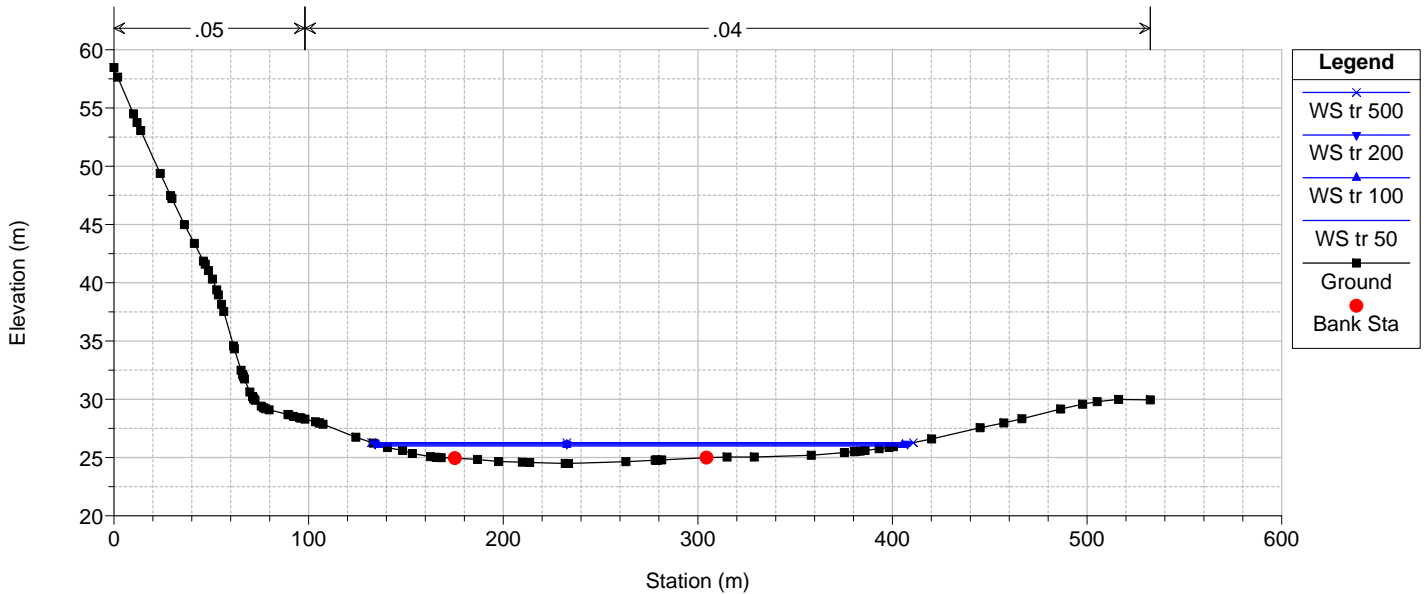
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

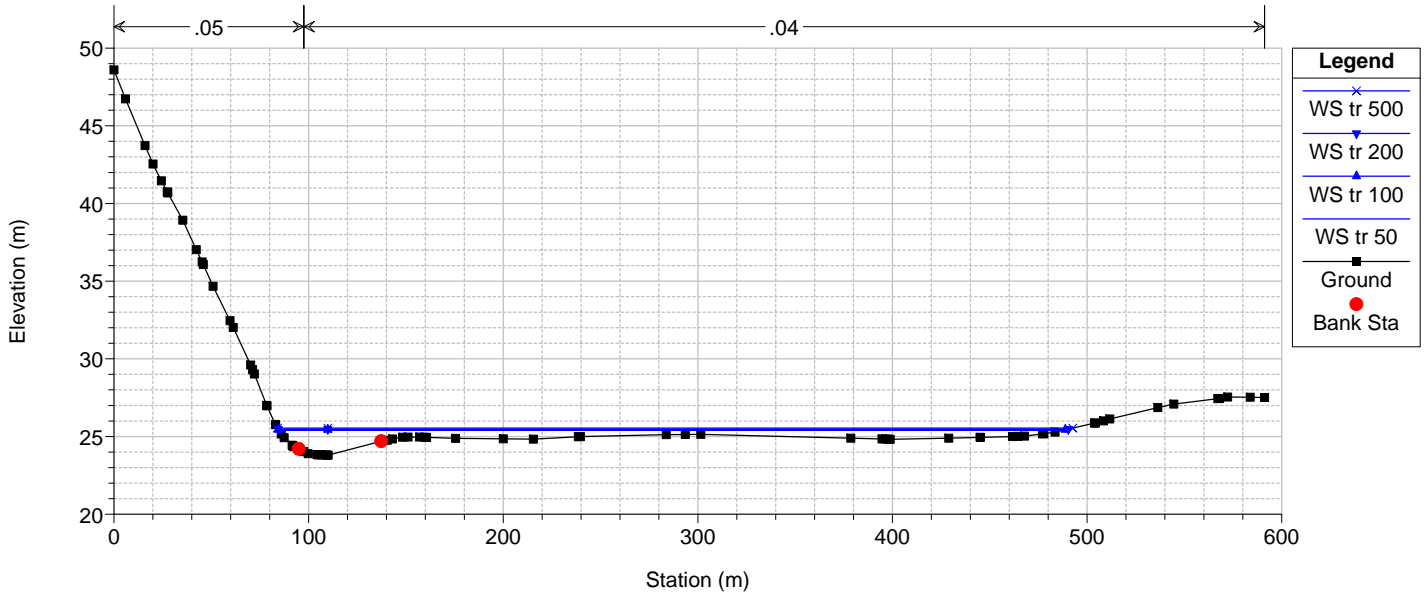
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

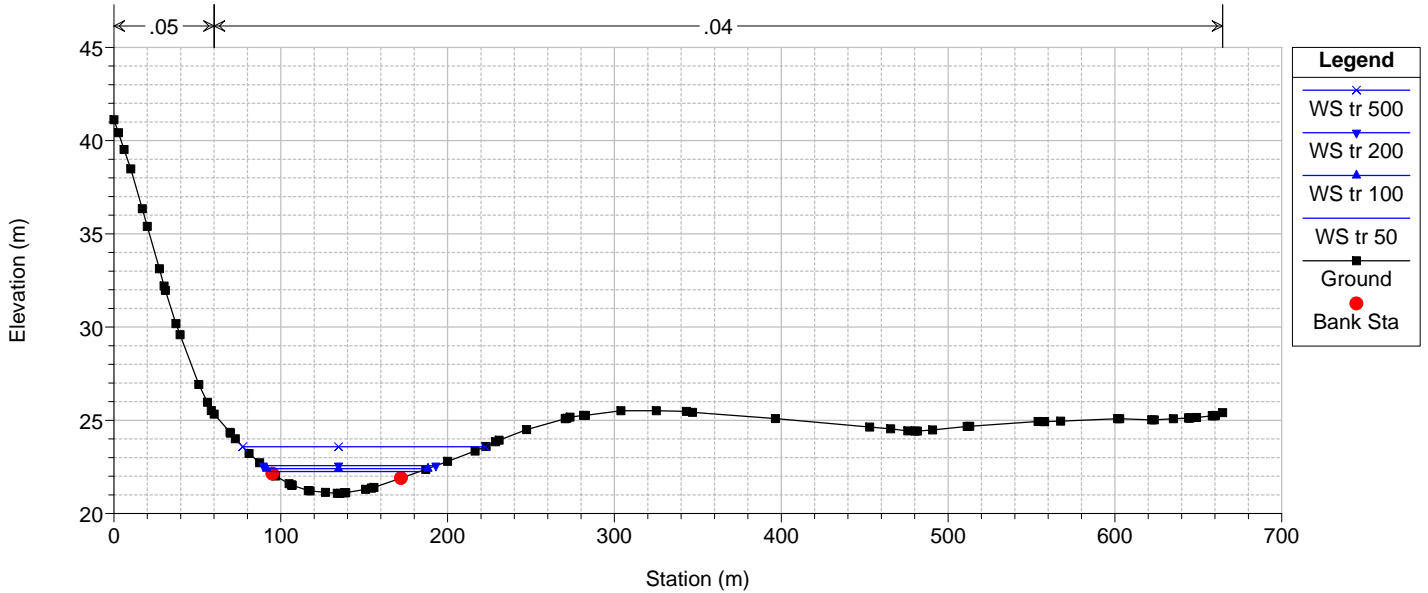
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

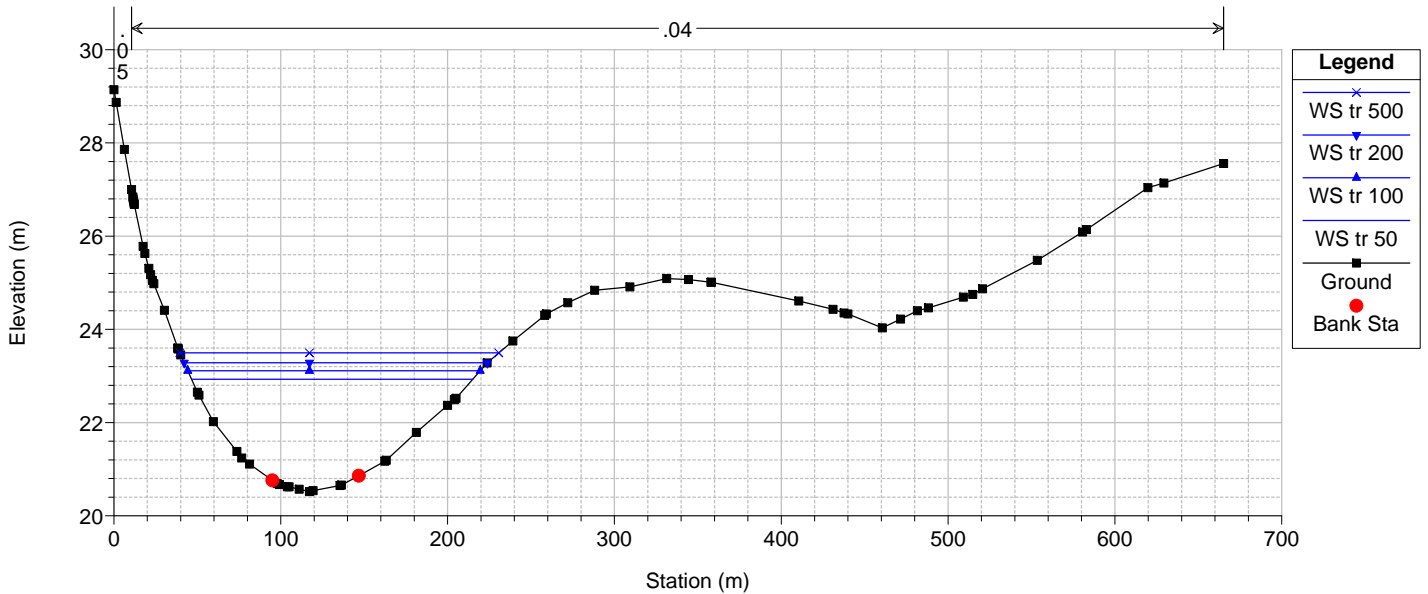
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rioserra_28092017 Plan: Plan 01 9/29/2017

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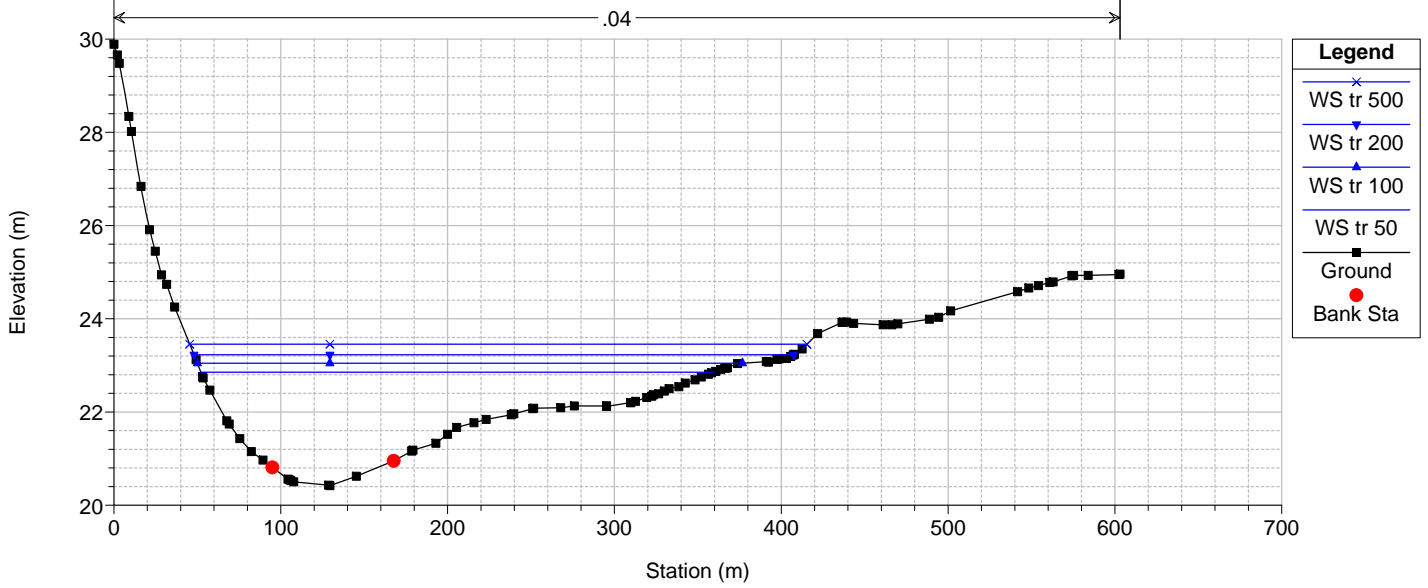
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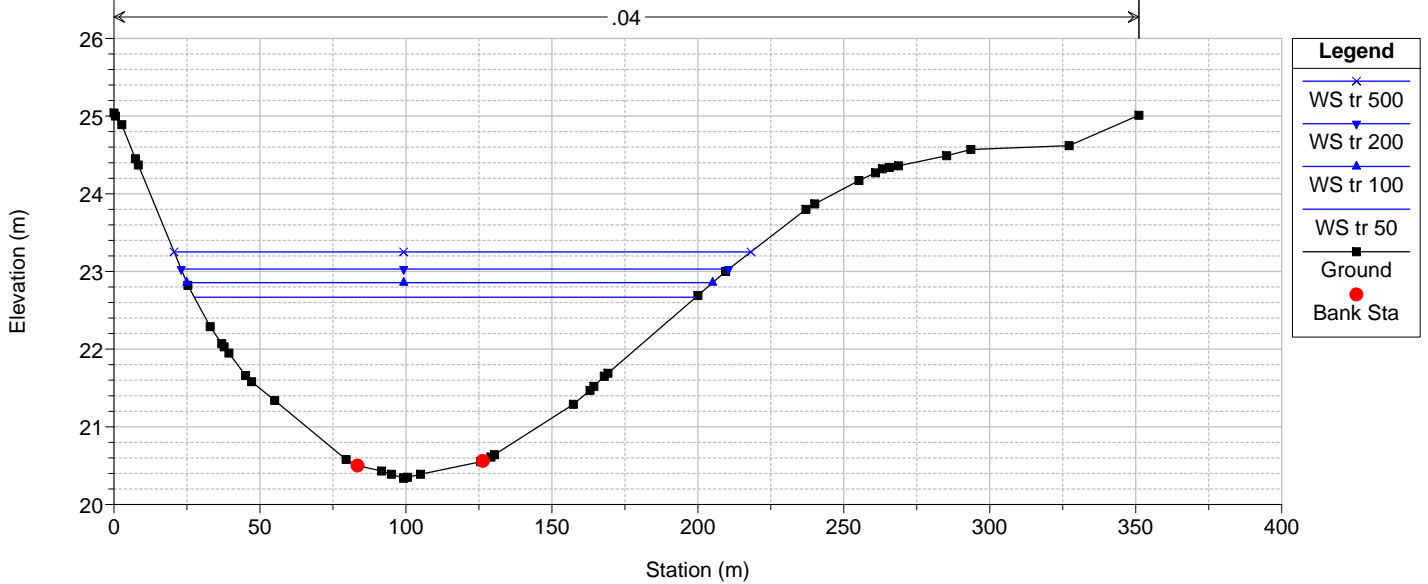
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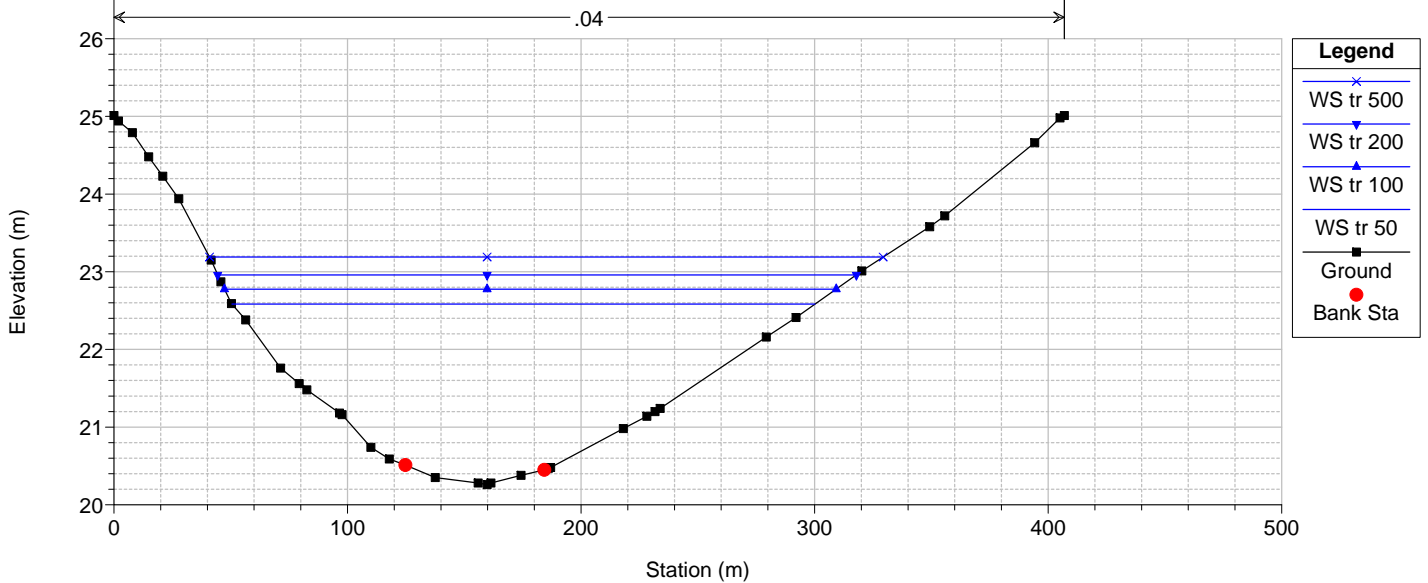
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

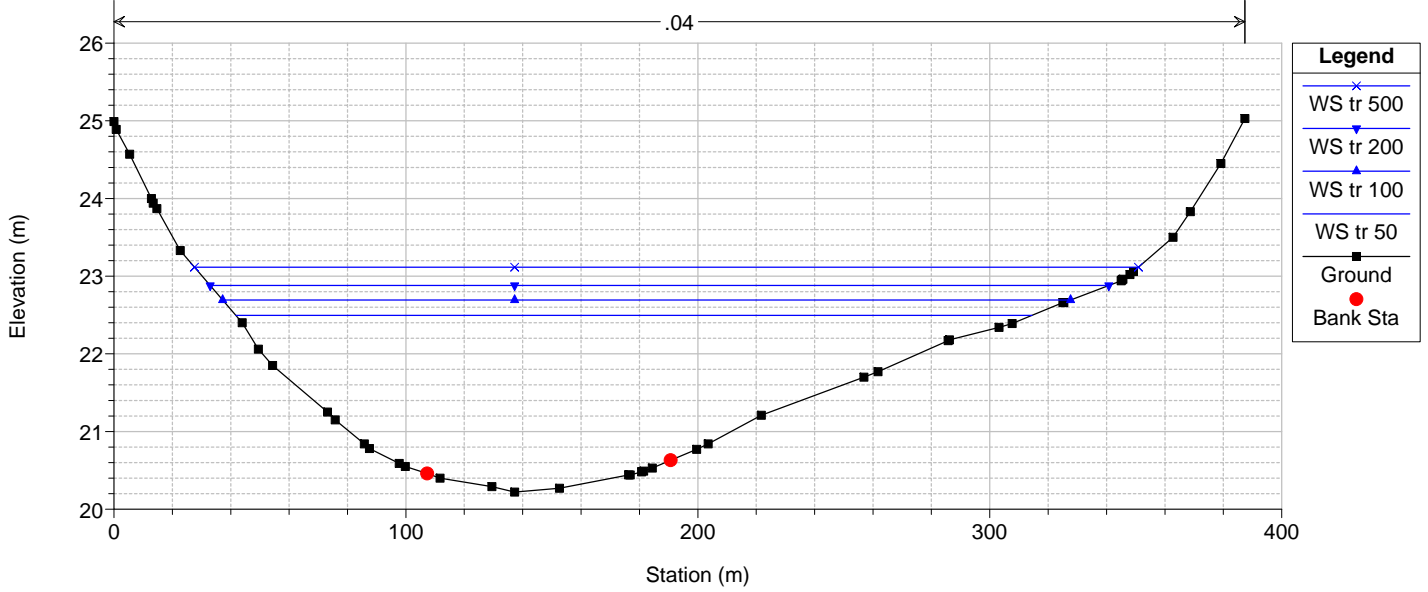
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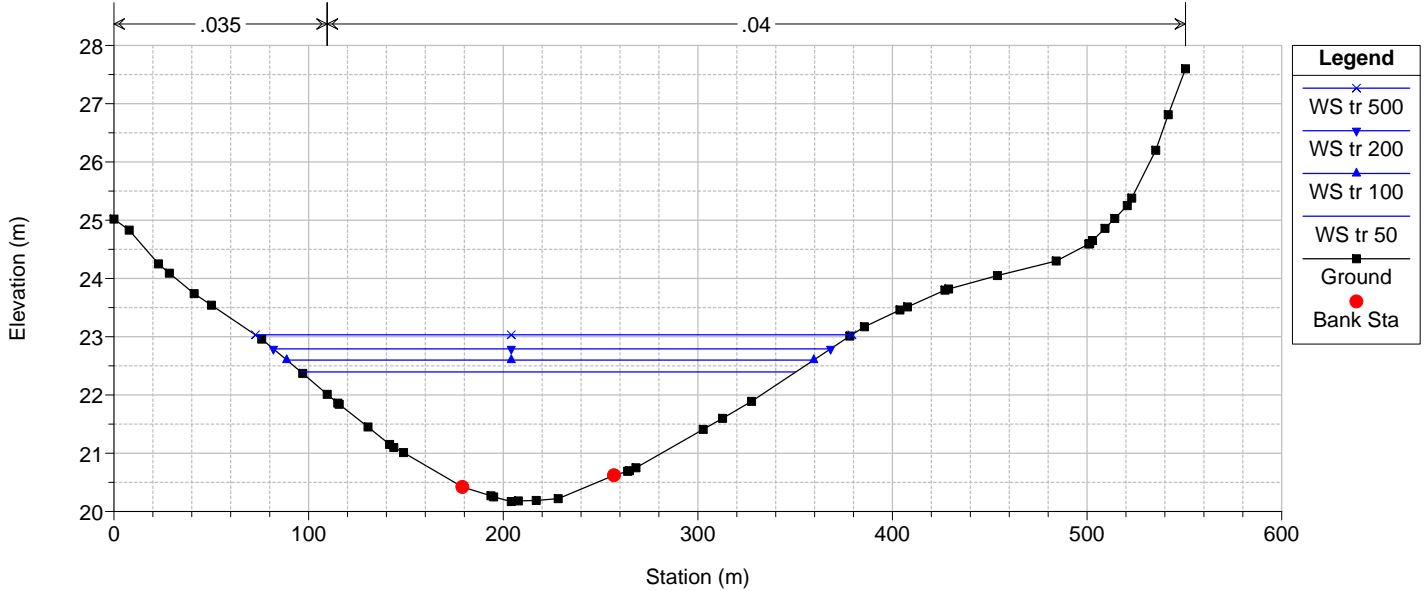
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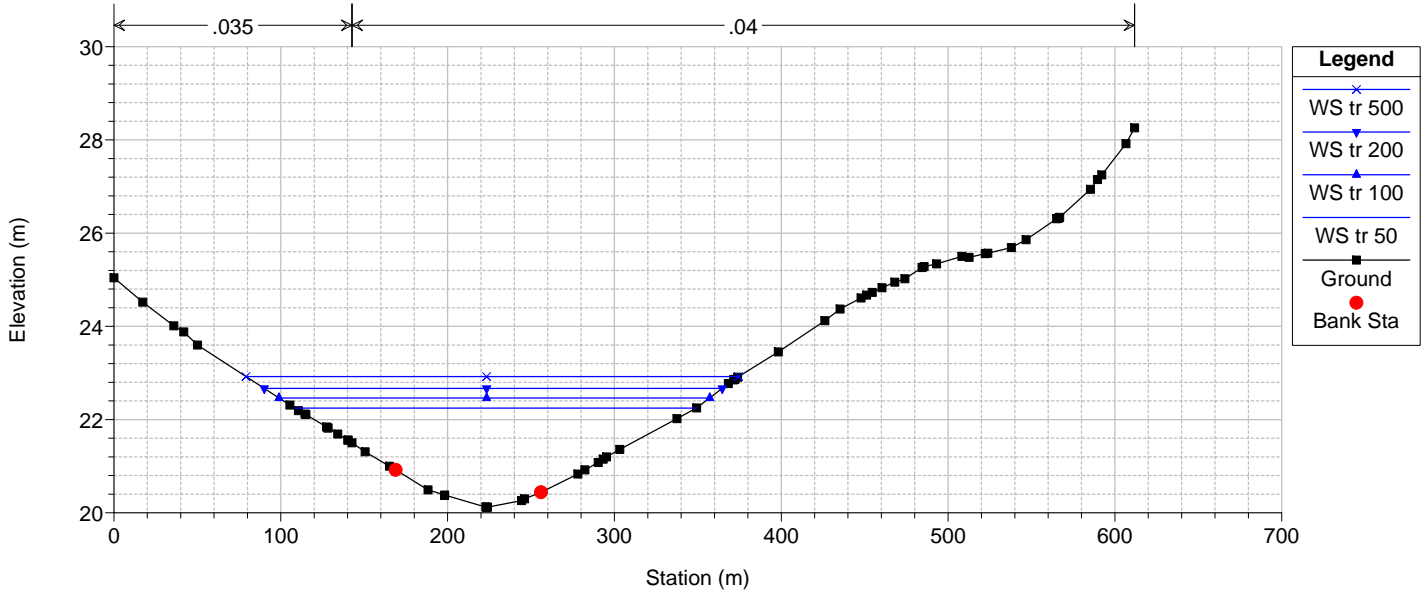
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

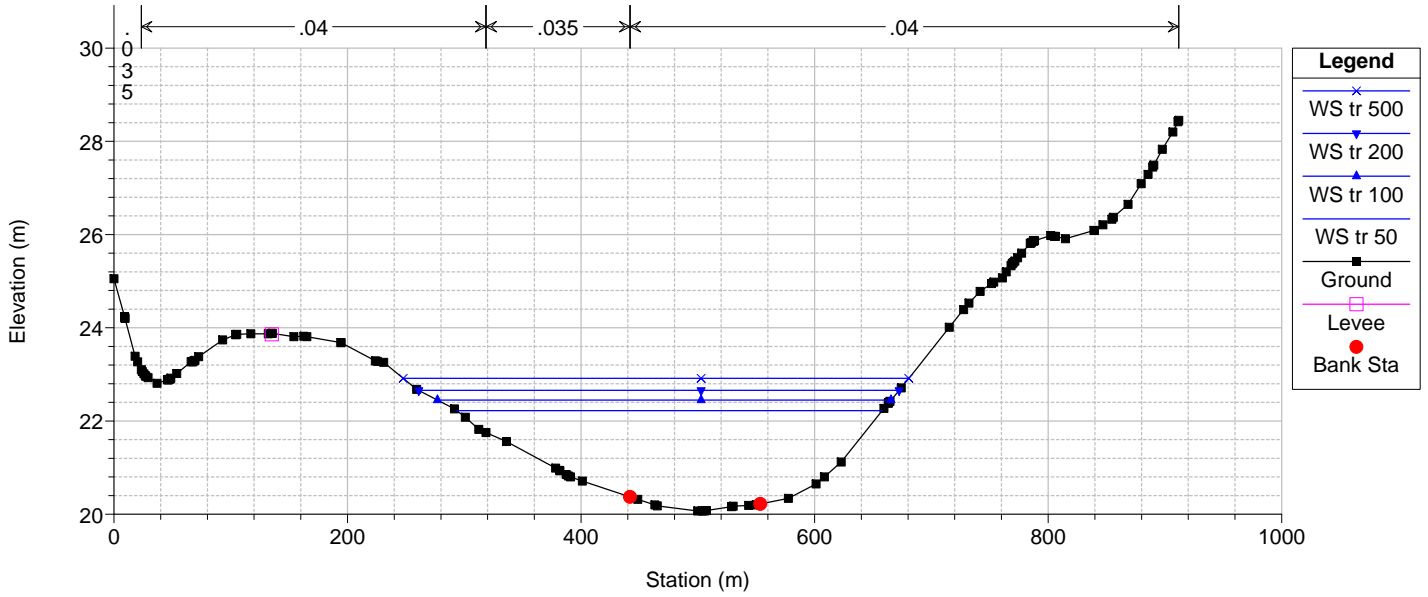
River = Riu Serra Reach = Asta 1-2-3 RS = 7385.854 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

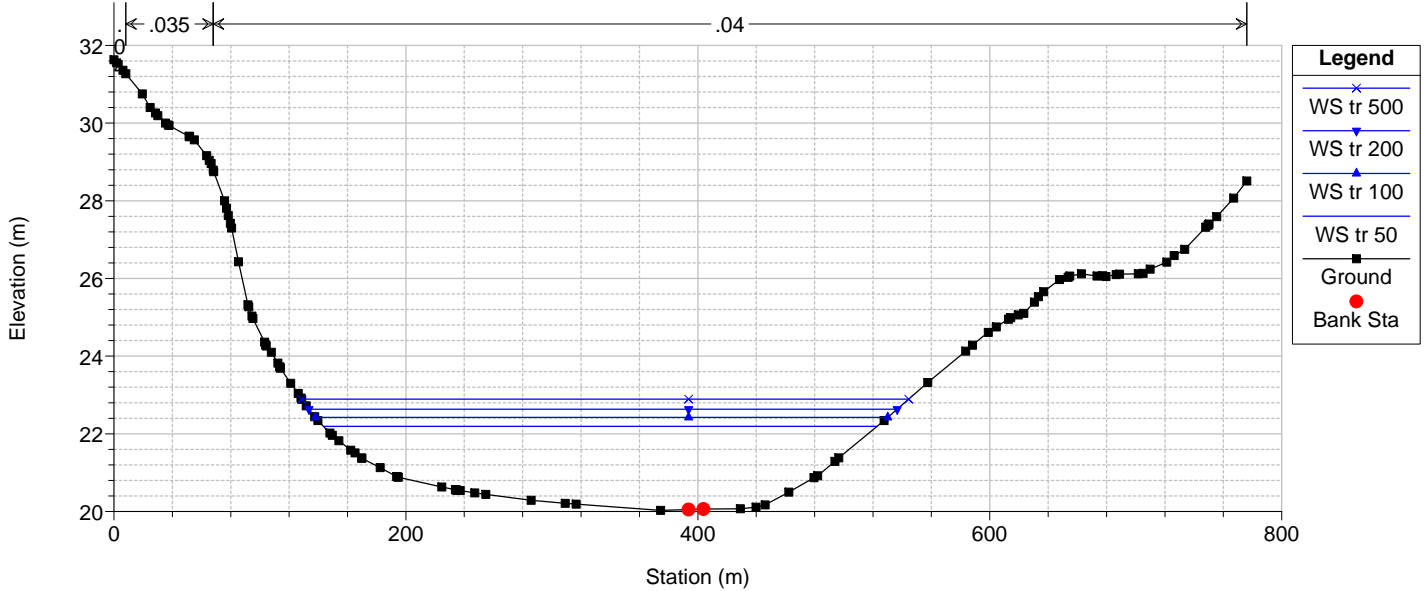
River = Riu Serra Reach = Asta 1-2-3 RS = 7285.854 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

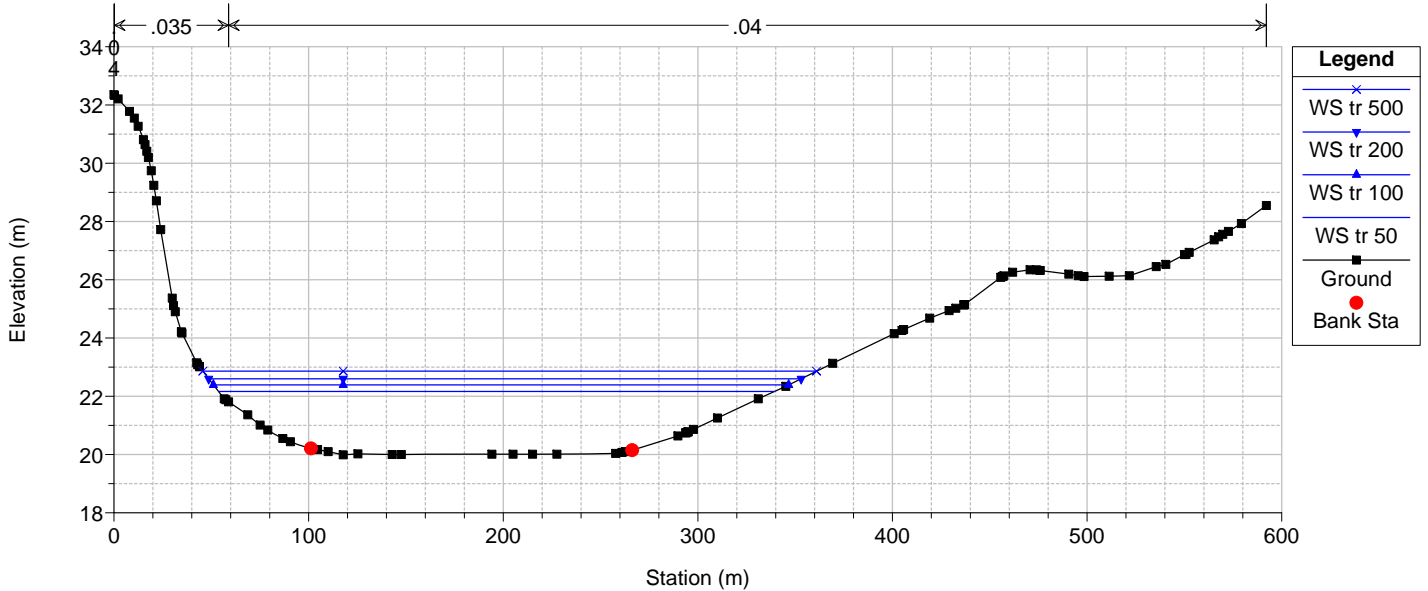
River = Riu Serra Reach = Asta 1-2-3 RS = 7240.257 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

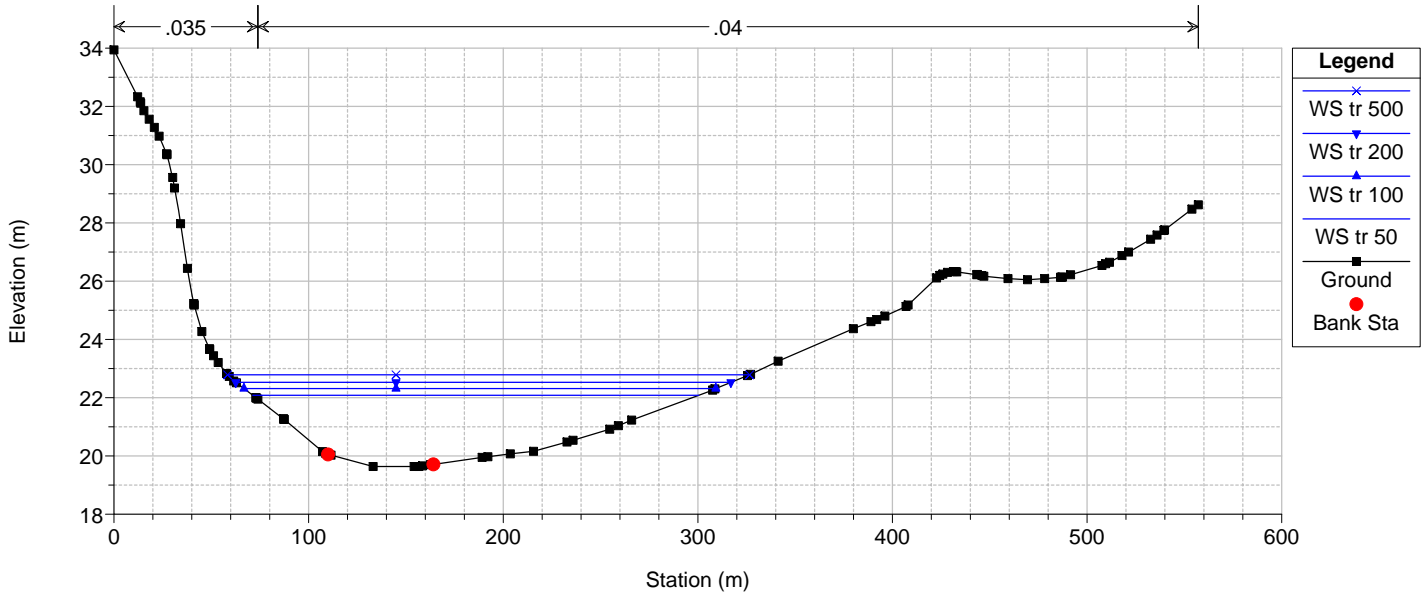
River = Riu Serra Reach = Asta 1-2-3 RS = 7185.854 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

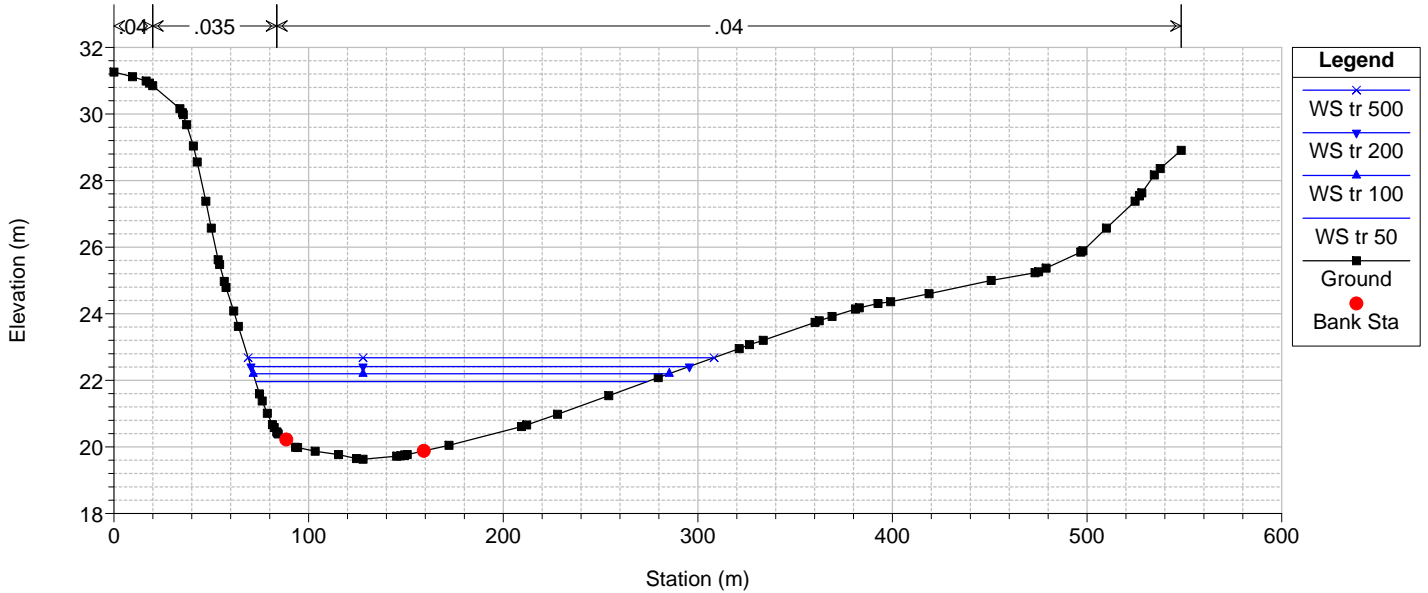
River = Riu Serra Reach = Asta 1-2-3 RS = 7085.854 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

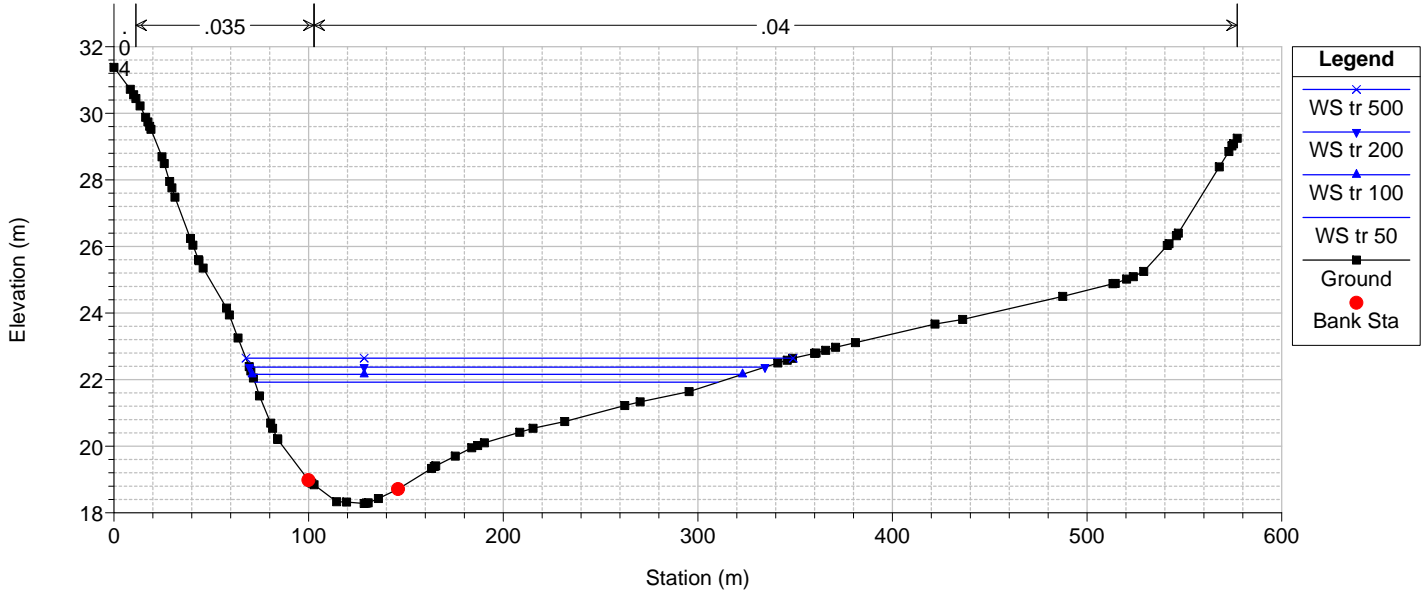
River = Riu Serra Reach = Asta 1-2-3 RS = 6985.854 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

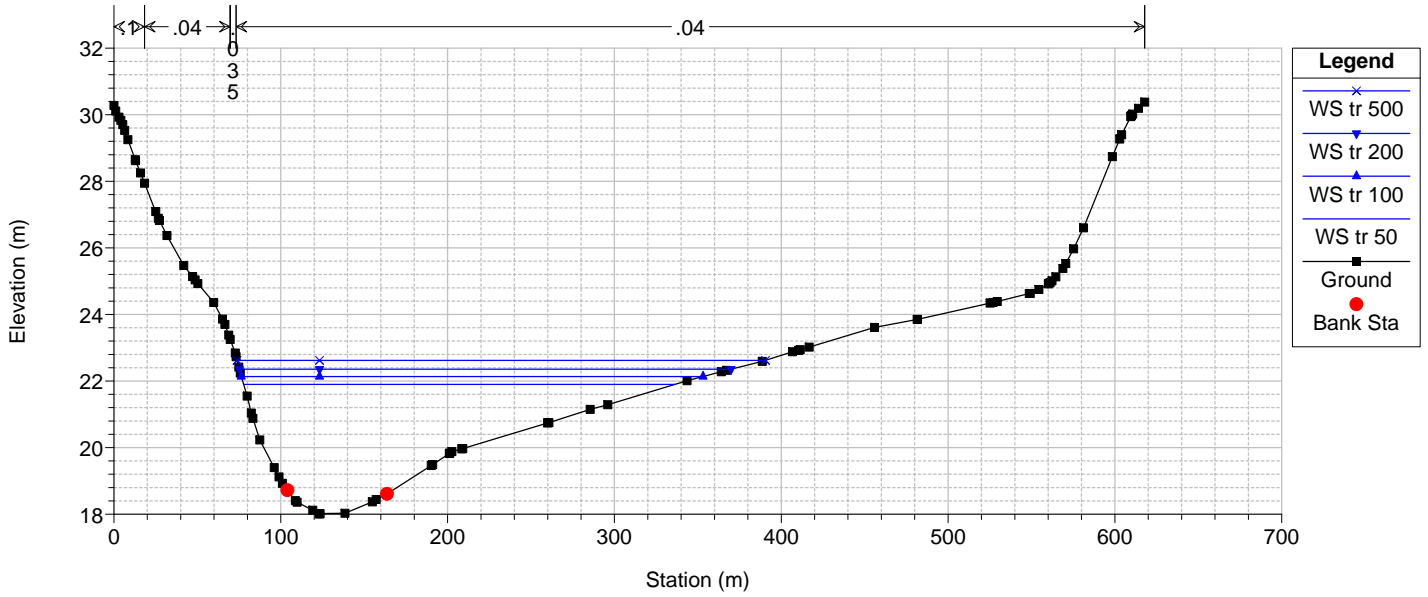
River = Riu Serra Reach = Asta 1-2-3 RS = 6885.854 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

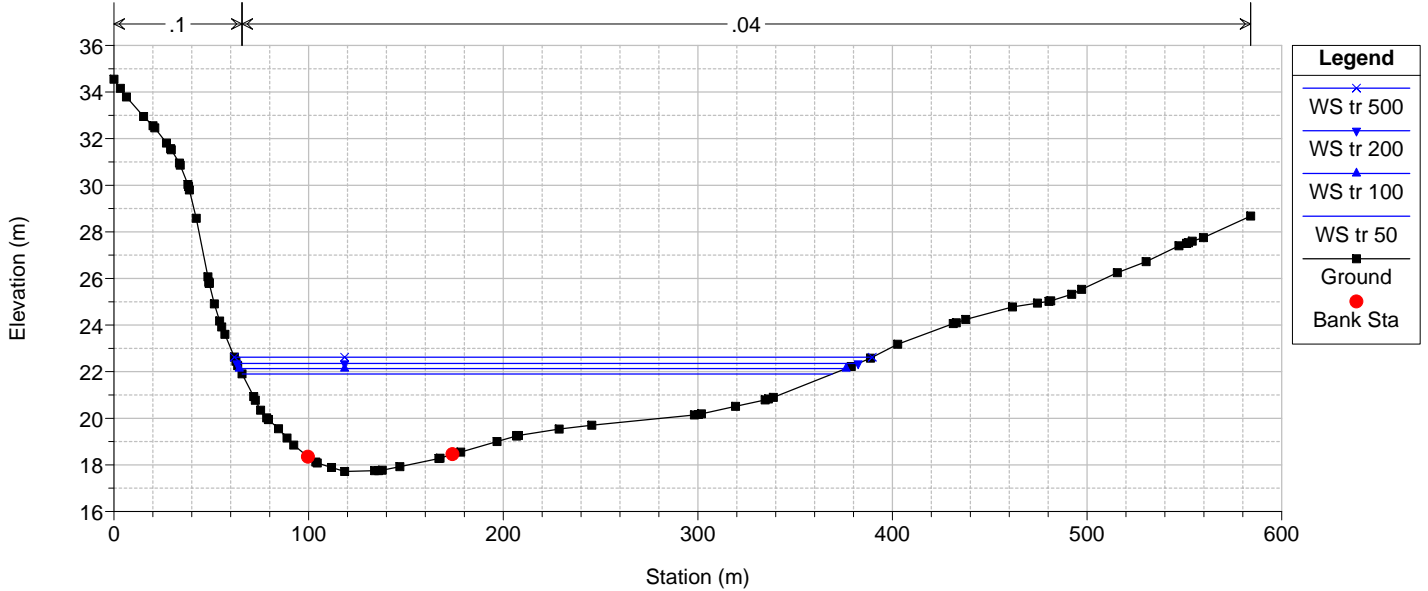
River = Riu Serra Reach = Asta 1-2-3 RS = 6785.854 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

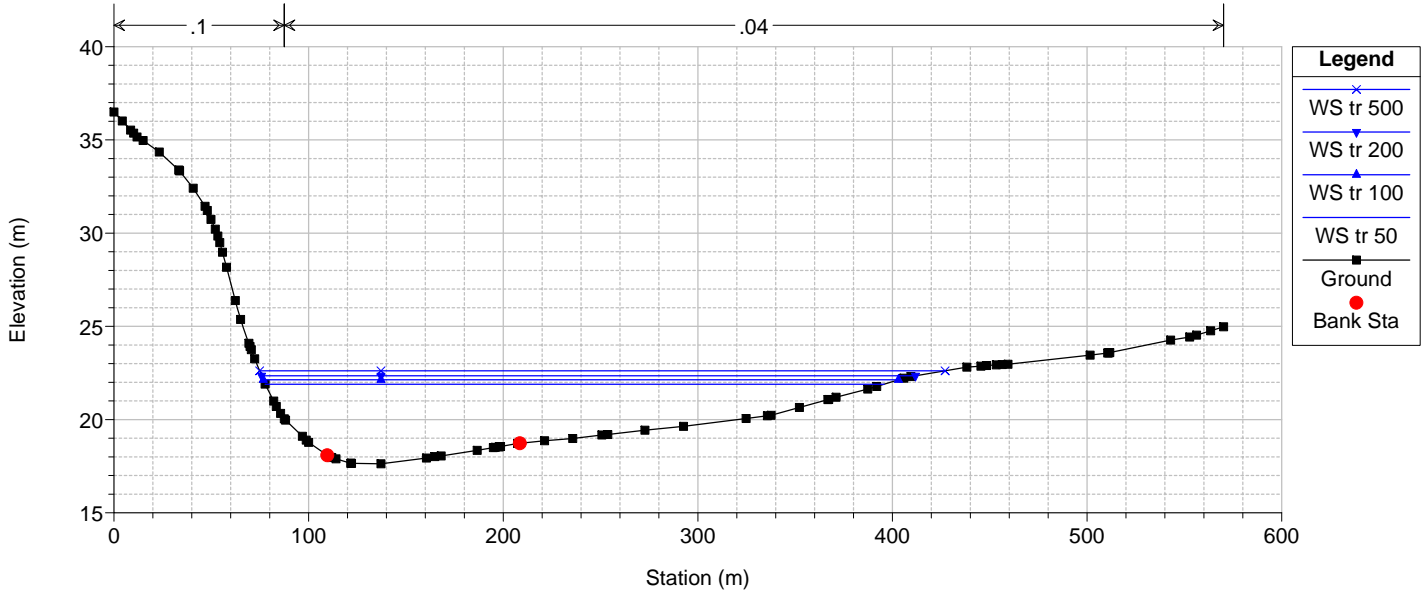
River = Riu Serra Reach = Asta 1-2-3 RS = 6684.366 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

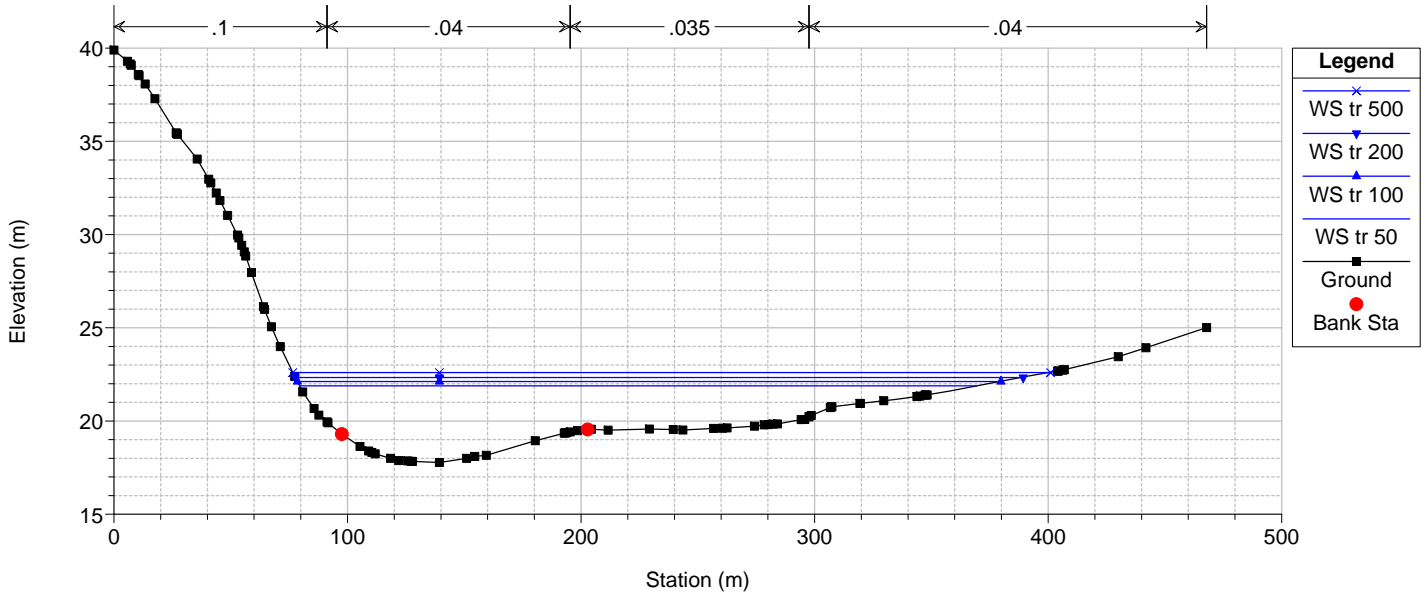
River = Riu Serra Reach = Asta 1-2-3 RS = 6638.547 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

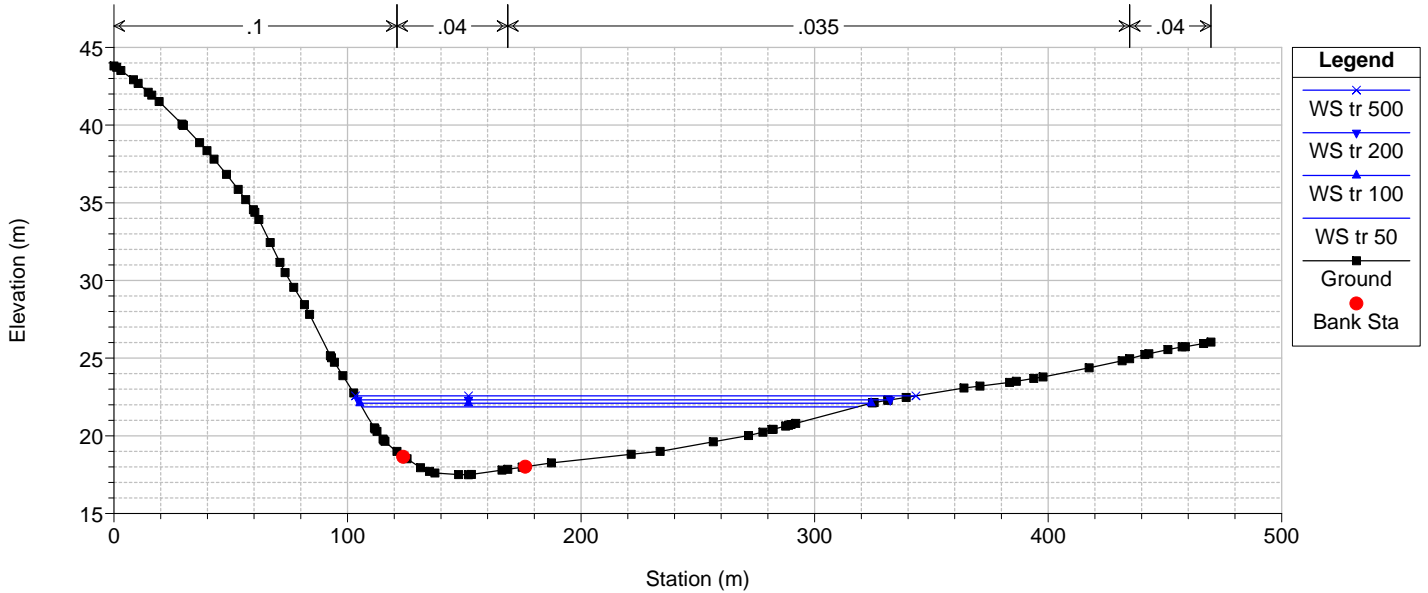
River = Riu Serra Reach = Asta 1-2-3 RS = 6581.278 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

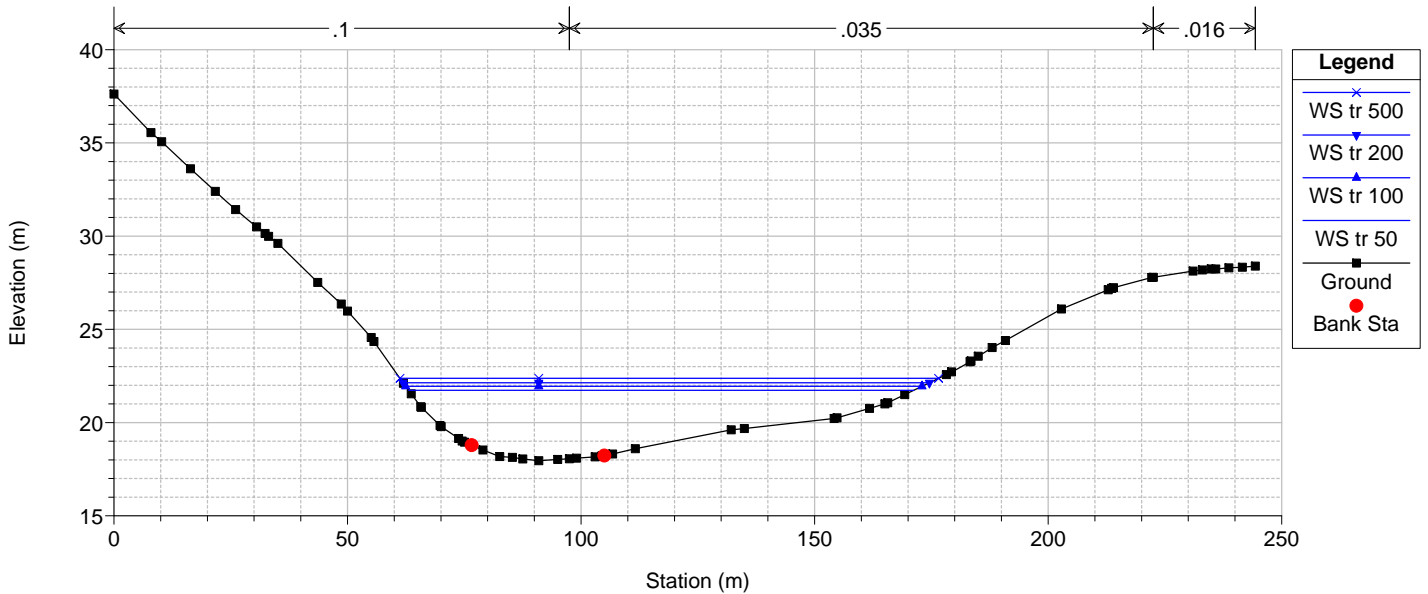
River = Riu Serra Reach = Asta 1-2-3 RS = 6484.649 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

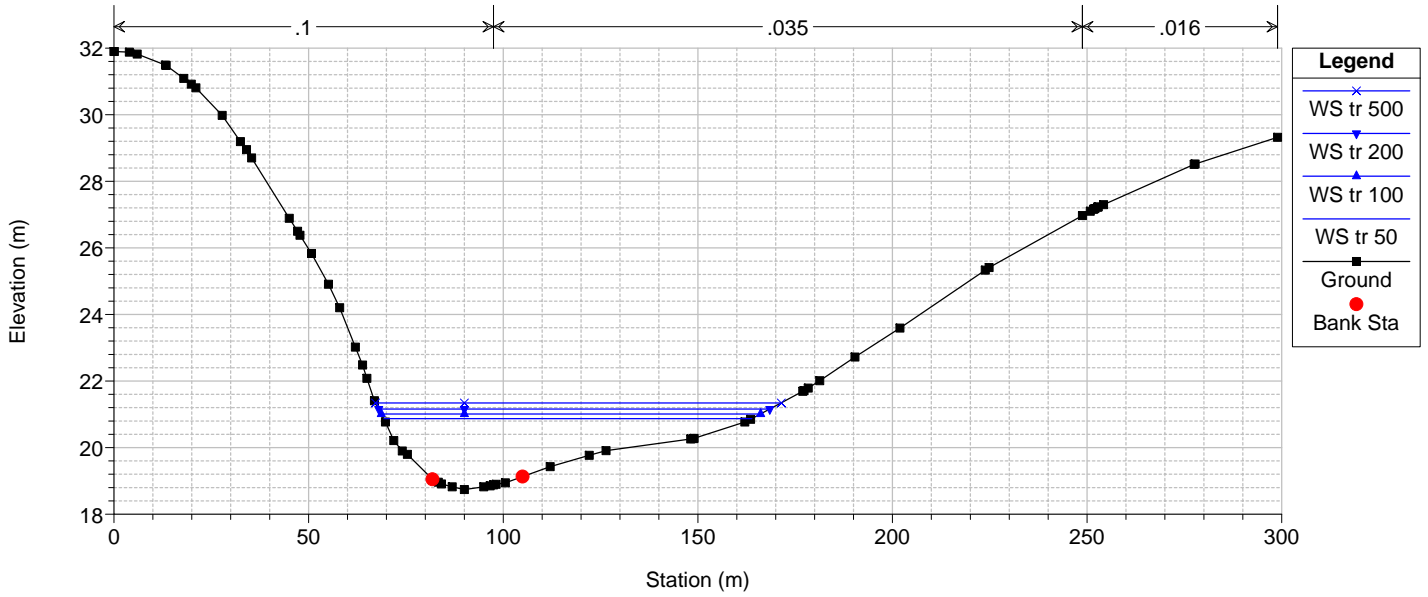
River = Riu Serra Reach = Asta 1-2-3 RS = 6386.174 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

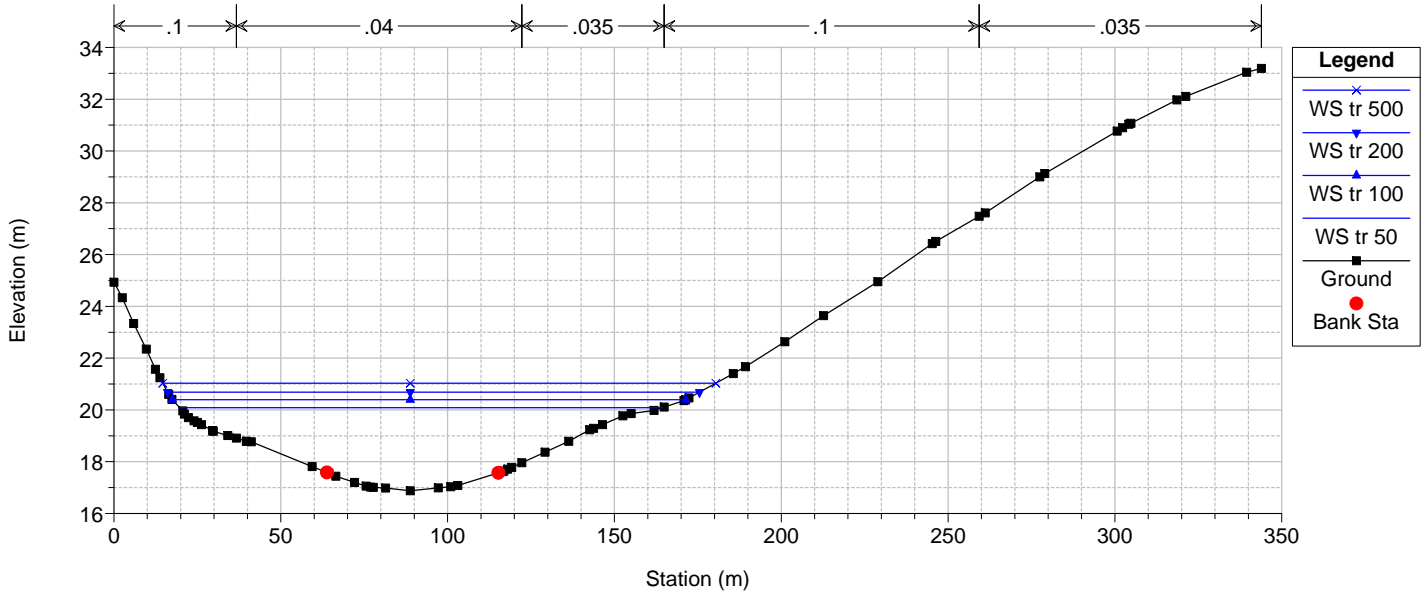
River = Riu Serra Reach = Asta 1-2-3 RS = 6286.4 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

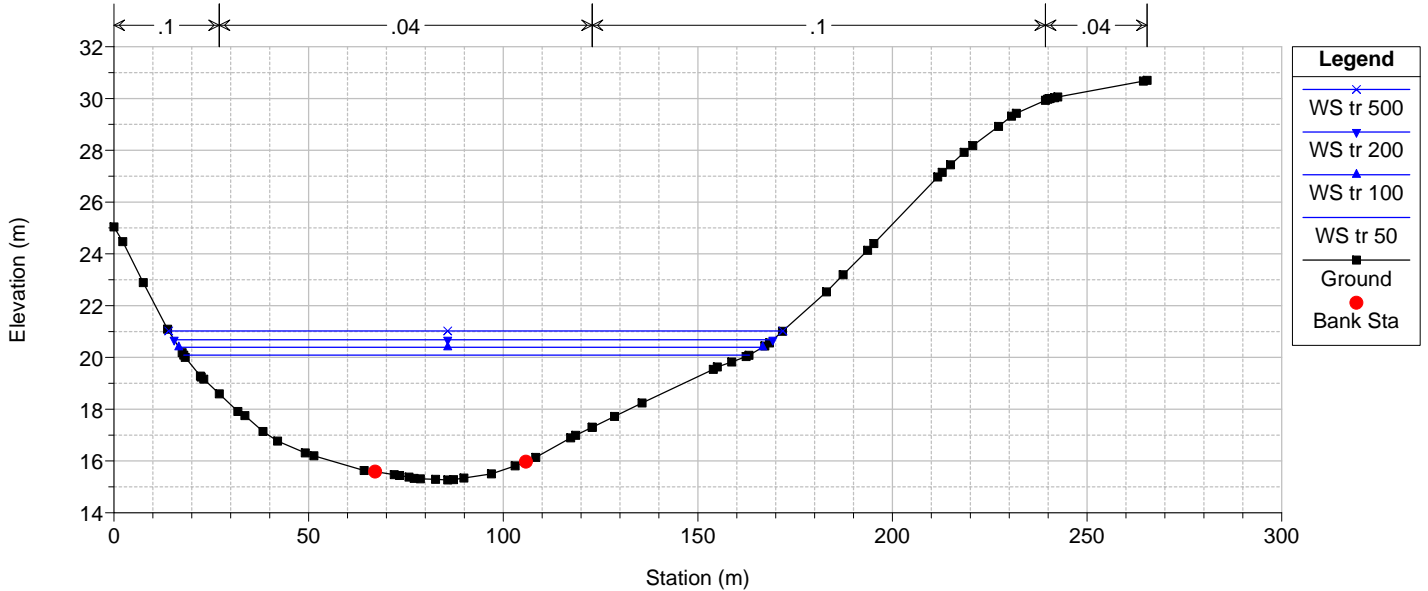
River = Riu Serra Reach = Asta 1-2-3 RS = 6191.049 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

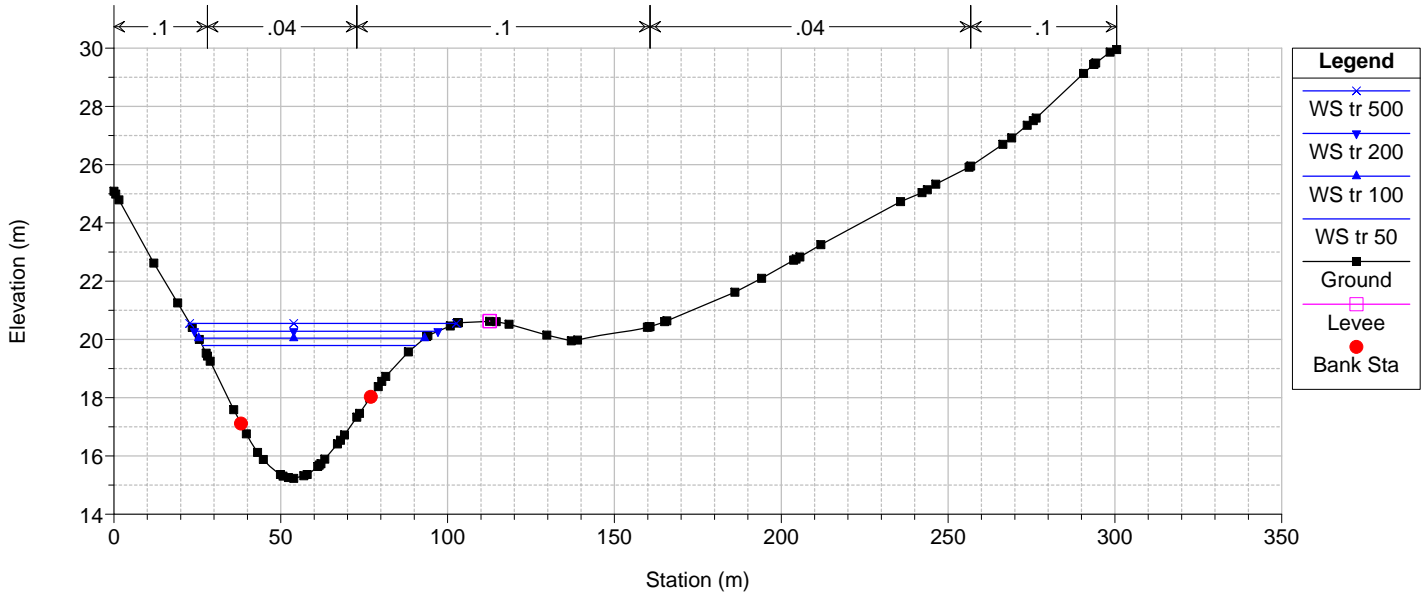
River = Riu Serra Reach = Asta 1-2-3 RS = 6088.909 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

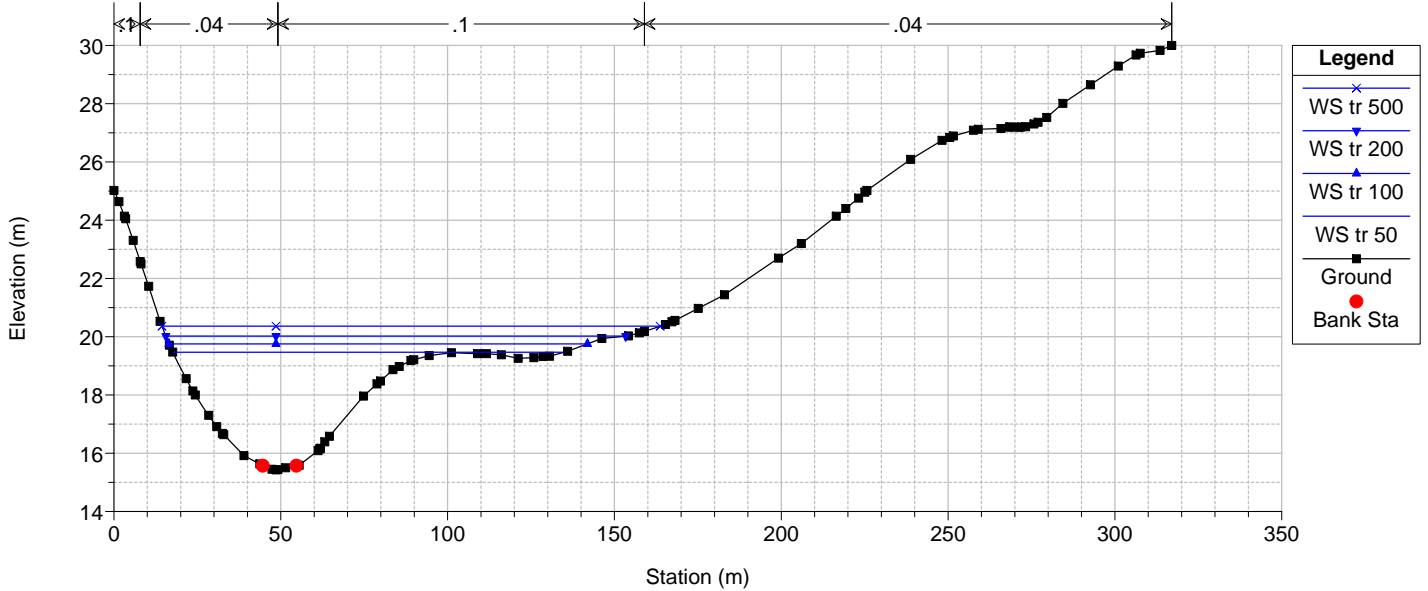
River = Riu Serra Reach = Asta 1-2-3 RS = 5979.484 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

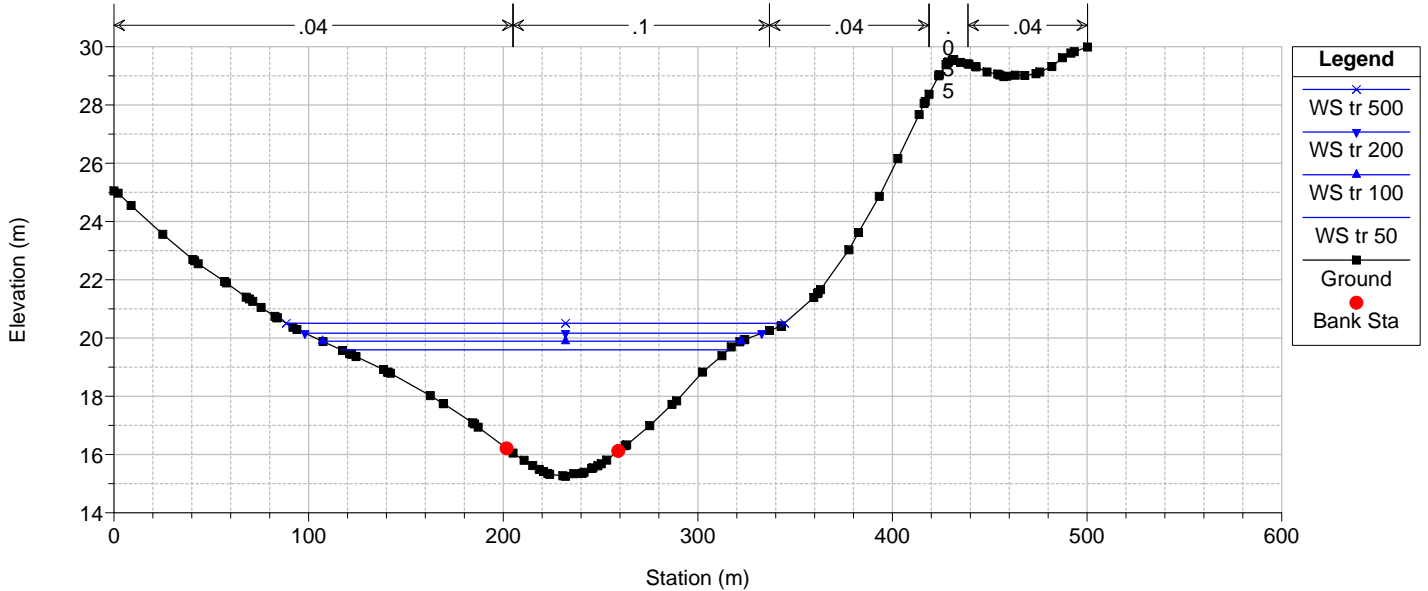
River = Riu Serra Reach = Asta 1-2-3 RS = 5908.972 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

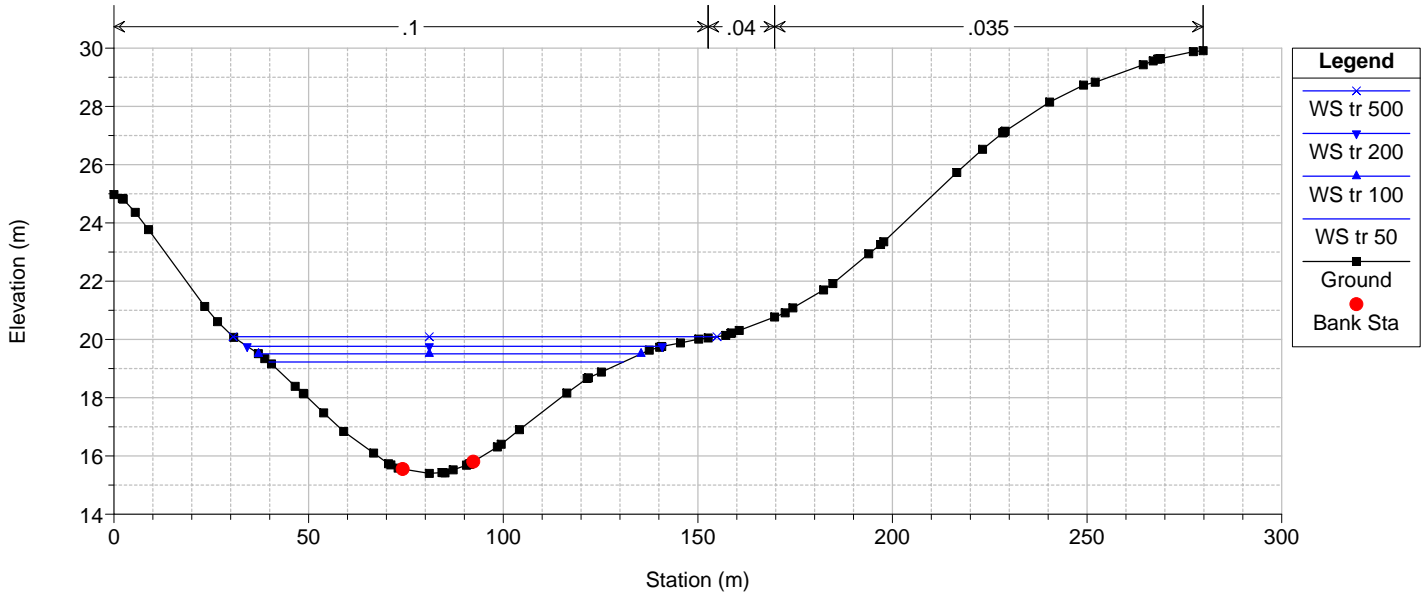
River = Riu Serra Reach = Asta 1-2-3 RS = 5839.298 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

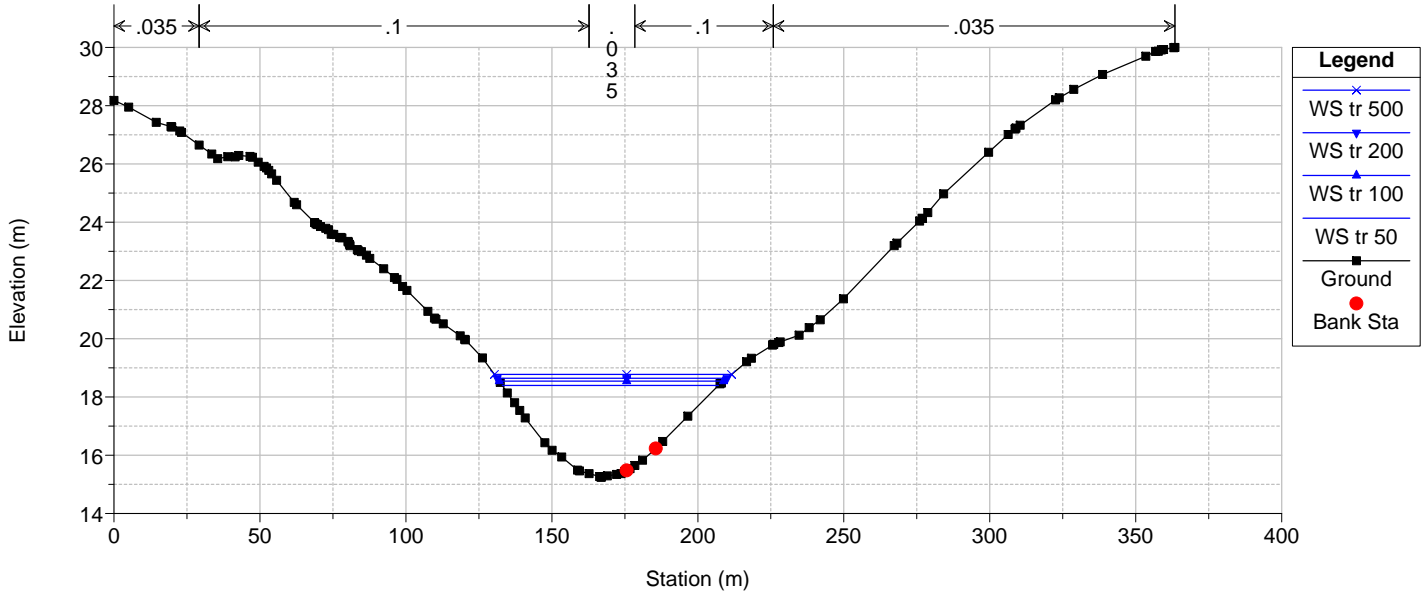
River = Riu Serra Reach = Asta 1-2-3 RS = 5747.938 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

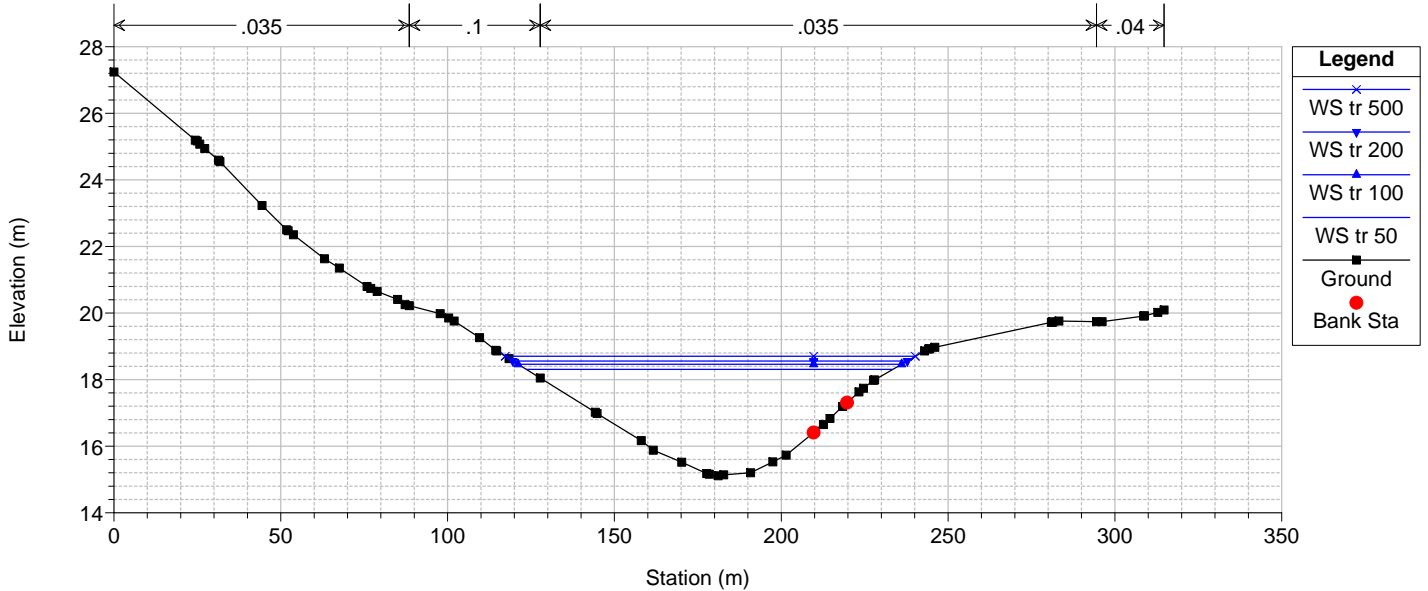
River = Riu Serra Reach = Asta 1-2-3 RS = 5672.271 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

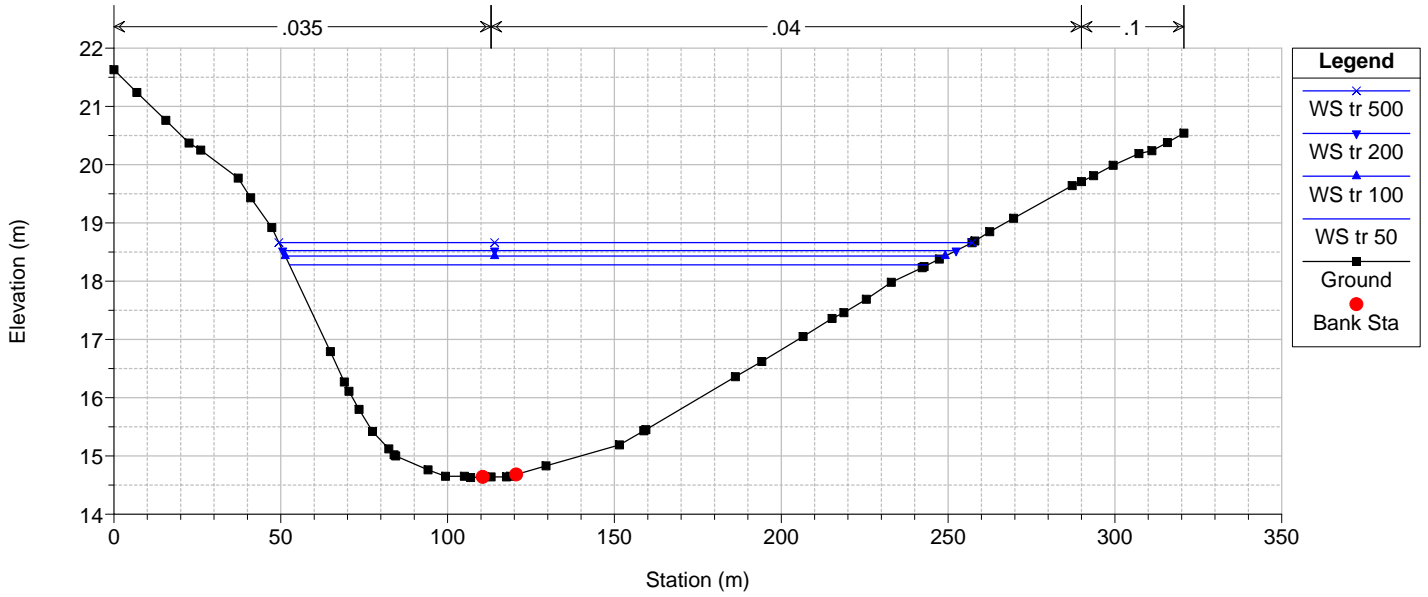
River = Riu Serra Reach = Asta 1-2-3 RS = 5585.854 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

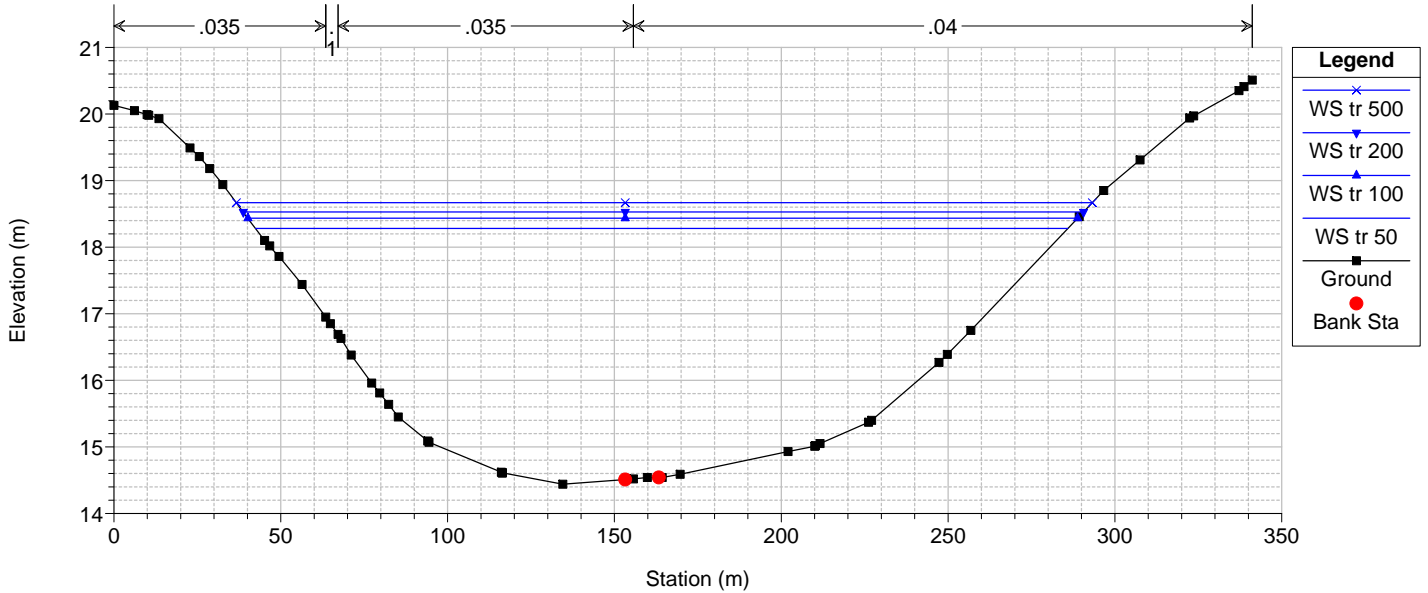
River = Riu Serra Reach = Asta 1-2-3 RS = 5385.028 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

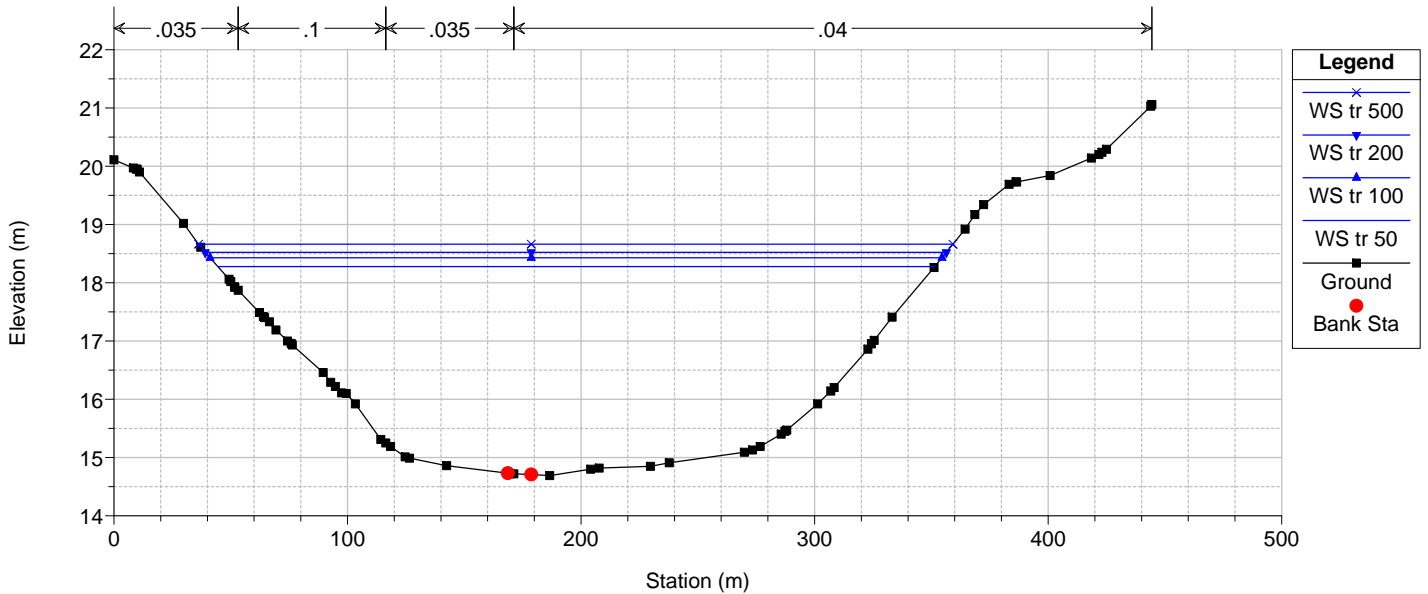
River = Riu Serra Reach = Asta 1-2-3 RS = 5310.947 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

River = Riu Serra Reach = Asta 1-2-3 RS = 5231.284 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



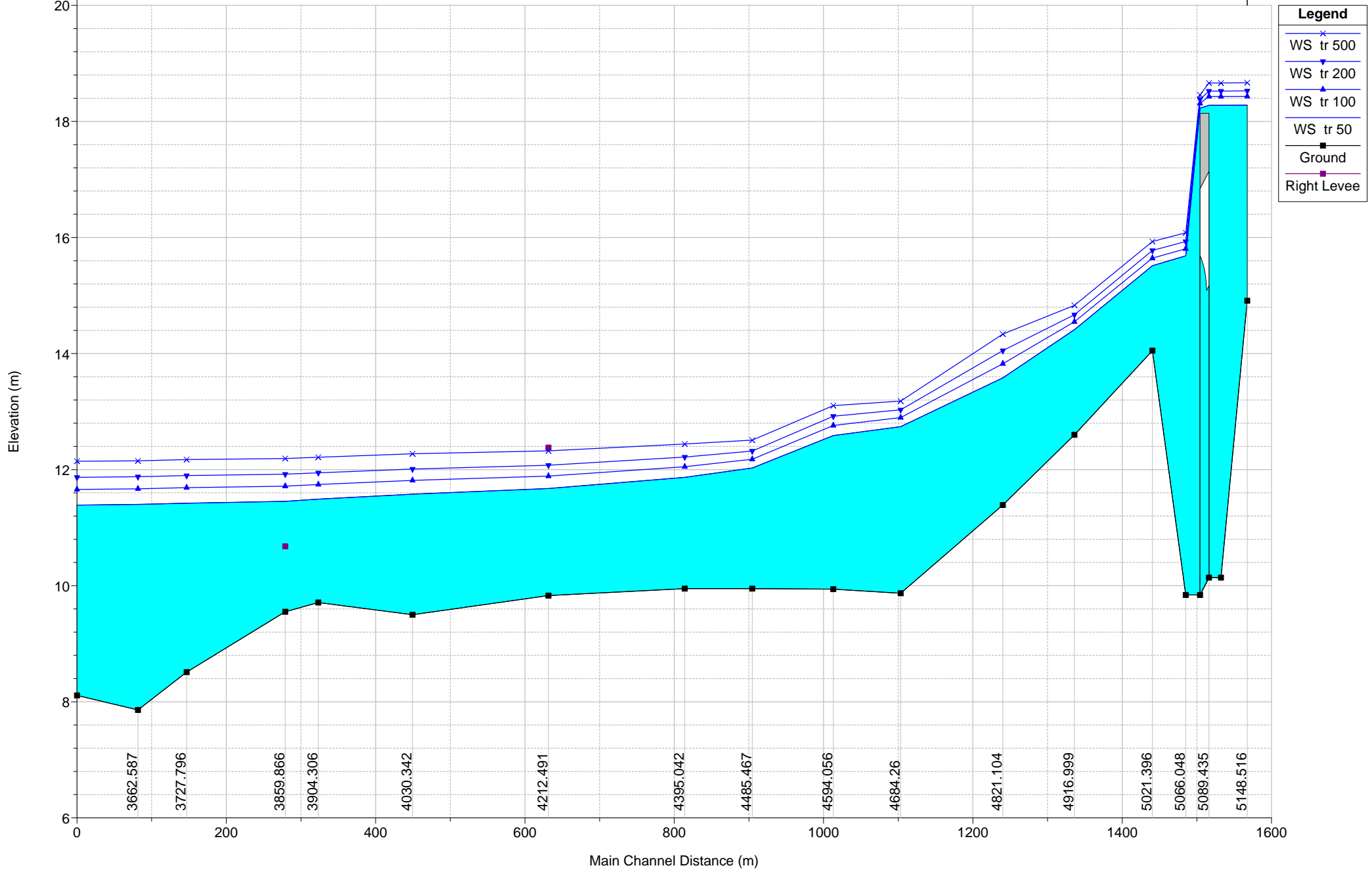
Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta 1-2-3	9285.854	tr 50	352.56	29.66	34.07	32.25	34.24	0.001876	1.15	216.96	78.44	0.18
Asta 1-2-3	9285.854	tr 100	417.90	29.66	34.49	32.48	34.66	0.001800	1.20	250.86	85.36	0.18
Asta 1-2-3	9285.854	tr 200	483.67	29.66	34.87	32.70	35.06	0.001695	1.23	285.25	91.15	0.17
Asta 1-2-3	9285.854	tr 500	571.00	29.66	35.35	32.99	35.54	0.001543	1.24	330.03	96.47	0.17
Asta 1-2-3	9199.406	tr 50	352.56	29.40	33.59		33.97	0.005023	2.89	150.47	54.30	0.46
Asta 1-2-3	9199.406	tr 100	417.90	29.40	33.99		34.40	0.004692	2.98	173.08	57.17	0.45
Asta 1-2-3	9199.406	tr 200	483.67	29.40	34.38		34.81	0.004409	3.06	195.55	59.83	0.45
Asta 1-2-3	9199.406	tr 500	571.00	29.40	34.85		35.31	0.004093	3.15	224.74	62.83	0.44
Asta 1-2-3	9136.05	tr 50	352.56	28.39	31.97	31.97	33.25	0.026539	5.30	81.25	34.27	0.94
Asta 1-2-3	9136.05	tr 100	417.90	28.39	32.30	32.30	33.71	0.026051	5.58	92.82	35.76	0.94
Asta 1-2-3	9136.05	tr 200	483.67	28.39	32.61	32.61	34.13	0.025646	5.83	104.08	37.14	0.94
Asta 1-2-3	9136.05	tr 500	571.00	28.39	33.00	33.00	34.66	0.025012	6.12	118.89	38.89	0.94
Asta 1-2-3	9071.011	tr 50	352.56	26.97	31.64	30.03	31.99	0.005936	2.55	169.43	51.12	0.38
Asta 1-2-3	9071.011	tr 100	417.90	26.97	31.95	30.32	32.37	0.006364	2.76	185.77	52.27	0.40
Asta 1-2-3	9071.011	tr 200	483.67	26.97	32.24	30.59	32.72	0.006766	2.95	201.04	53.31	0.41
Asta 1-2-3	9071.011	tr 500	571.00	26.97	32.59	30.92	33.15	0.007260	3.20	219.92	54.57	0.43
Asta 1-2-3	8985.854	tr 50	352.56	26.87	31.22		31.54	0.004534	2.72	156.39	51.70	0.43
Asta 1-2-3	8985.854	tr 100	417.90	26.87	31.50		31.89	0.004902	2.96	171.35	53.06	0.45
Asta 1-2-3	8985.854	tr 200	483.67	26.87	31.76		32.20	0.005232	3.17	185.42	54.22	0.47
Asta 1-2-3	8985.854	tr 500	571.00	26.87	32.08		32.60	0.005624	3.43	202.88	55.57	0.49
Asta 1-2-3	8885.854	tr 50	352.56	26.38	31.14		31.25	0.001390	1.66	262.02	83.91	0.25
Asta 1-2-3	8885.854	tr 100	417.90	26.38	31.43		31.57	0.001495	1.79	287.07	85.94	0.26
Asta 1-2-3	8885.854	tr 200	483.67	26.38	31.71		31.86	0.001586	1.91	310.82	87.72	0.27
Asta 1-2-3	8885.854	tr 500	571.00	26.38	32.04		32.22	0.001690	2.06	340.59	89.91	0.28
Asta 1-2-3	8785.854	tr 50	352.56	27.33	30.63		30.98	0.005729	2.85	149.61	69.03	0.52
Asta 1-2-3	8785.854	tr 100	417.90	27.33	30.88		31.28	0.005895	3.04	167.26	71.41	0.53
Asta 1-2-3	8785.854	tr 200	483.67	27.33	31.12		31.56	0.006013	3.21	184.35	73.43	0.55
Asta 1-2-3	8785.854	tr 500	571.00	27.33	31.41		31.90	0.006126	3.41	206.08	75.75	0.56
Asta 1-2-3	8685.854	tr 50	352.56	27.38	29.66	29.49	30.27	0.008408	3.57	109.49	74.05	0.82
Asta 1-2-3	8685.854	tr 100	417.90	27.38	29.81	29.68	30.52	0.009079	3.89	120.64	76.76	0.86
Asta 1-2-3	8685.854	tr 200	483.67	27.38	29.95	29.87	30.76	0.009692	4.19	131.21	79.25	0.90
Asta 1-2-3	8685.854	tr 500	571.00	27.38	30.11	30.10	31.07	0.010409	4.55	144.54	82.11	0.94
Asta 1-2-3	8585.854	tr 50	352.56	26.86	28.65	28.65	29.26	0.012116	3.82	108.89	90.88	0.95
Asta 1-2-3	8585.854	tr 100	417.90	26.86	28.81	28.81	29.48	0.011715	4.00	124.31	95.03	0.95
Asta 1-2-3	8585.854	tr 200	483.67	26.86	28.97	28.97	29.68	0.011401	4.16	139.27	98.88	0.95
Asta 1-2-3	8585.854	tr 500	571.00	26.86	29.14	29.14	29.93	0.011296	4.39	157.32	103.34	0.96
Asta 1-2-3	8485.854	tr 50	352.56	23.19	26.20	24.51	26.24	0.000406	1.00	425.40	211.27	0.19
Asta 1-2-3	8485.854	tr 100	417.90	23.19	26.32	24.64	26.38	0.000480	1.12	451.99	215.36	0.21
Asta 1-2-3	8485.854	tr 200	483.67	23.19	26.44	24.75	26.50	0.000552	1.23	476.95	218.98	0.22
Asta 1-2-3	8485.854	tr 500	571.00	23.19	26.57	24.89	26.65	0.000647	1.37	506.80	223.18	0.25
Asta 1-2-3	8402.943	tr 50	352.56	23.41	26.16		26.20	0.000511	1.07	394.85	222.32	0.21
Asta 1-2-3	8402.943	tr 100	417.90	23.41	26.27		26.33	0.000600	1.19	421.24	228.92	0.23
Asta 1-2-3	8402.943	tr 200	483.67	23.41	26.38		26.45	0.000684	1.31	446.22	234.61	0.25
Asta 1-2-3	8402.943	tr 500	571.00	23.41	26.51		26.59	0.000794	1.45	476.09	240.74	0.27
Asta 1-2-3	8295.504	tr 50	352.56	24.49	25.99		26.09	0.002629	1.53	262.63	264.48	0.43
Asta 1-2-3	8295.504	tr 100	417.90	24.49	26.09		26.20	0.002785	1.65	288.48	269.25	0.45
Asta 1-2-3	8295.504	tr 200	483.67	24.49	26.18		26.31	0.002930	1.76	312.62	273.63	0.46
Asta 1-2-3	8295.504	tr 500	571.00	24.49	26.27		26.43	0.003178	1.92	339.83	278.38	0.49
Asta 1-2-3	8185.854	tr 50	352.56	23.80	25.39	25.39	25.60	0.008790	2.71	209.26	402.42	0.77
Asta 1-2-3	8185.854	tr 100	417.90	23.80	25.44	25.44	25.68	0.009729	2.92	227.28	404.22	0.81
Asta 1-2-3	8185.854	tr 200	483.67	23.80	25.48	25.48	25.75	0.010531	3.10	244.41	405.93	0.85
Asta 1-2-3	8185.854	tr 500	571.00	23.80	25.55	25.55	25.84	0.010741	3.23	271.48	408.61	0.87
Asta 1-2-3	8085.854	tr 50	352.56	21.08	22.25	22.70	23.68	0.056308	5.32	67.60	89.88	1.84
Asta 1-2-3	8085.854	tr 100	417.90	21.08	22.40	22.85	23.80	0.044493	5.28	81.90	96.72	1.68
Asta 1-2-3	8085.854	tr 200	483.67	21.08	22.57	22.98	23.90	0.035234	5.19	97.97	103.62	1.54
Asta 1-2-3	8085.854	tr 500	571.00	21.08	23.58	23.15	23.96	0.004684	2.88	225.40	145.45	0.62
Asta 1-2-3	7985.854	tr 50	356.50	20.52	22.93	22.02	23.04	0.001503	1.69	260.32	168.60	0.36
Asta 1-2-3	7985.854	tr 100	421.83	20.52	23.11	22.15	23.23	0.001526	1.79	291.57	175.32	0.36
Asta 1-2-3	7985.854	tr 200	487.50	20.52	23.28	22.27	23.42	0.001534	1.87	322.46	181.75	0.37
Asta 1-2-3	7985.854	tr 500	574.63	20.52	23.49		23.64	0.001555	1.99	361.65	191.23	0.37
Asta 1-2-3	7885.854	tr 50	356.50	20.42	22.85		22.91	0.000850	1.25	380.48	307.49	0.27
Asta 1-2-3	7885.854	tr 100	421.83	20.42	23.05		23.11	0.000805	1.29	441.13	326.75	0.26
Asta 1-2-3	7885.854	tr 200	487.50	20.42	23.23		23.29	0.000777	1.32	504.37	359.51	0.26
Asta 1-2-3	7885.854	tr 500	574.63	20.42	23.45		23.51	0.000704	1.33	586.81	370.03	0.25

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
Asta 1-2-3	7785.854	tr 50	356.50	20.34	22.67		22.79	0.001783	1.80	250.13	171.86	0.39
Asta 1-2-3	7785.854	tr 100	421.83	20.34	22.86		22.98	0.001770	1.89	282.88	180.11	0.39
Asta 1-2-3	7785.854	tr 200	487.50	20.34	23.03		23.17	0.001743	1.97	315.26	187.56	0.39
Asta 1-2-3	7785.854	tr 500	574.63	20.34	23.25		23.40	0.001705	2.06	357.80	197.60	0.39
Asta 1-2-3	7685.854	tr 50	356.50	20.26	22.58		22.64	0.000936	1.30	351.21	249.67	0.28
Asta 1-2-3	7685.854	tr 100	421.83	20.26	22.78		22.84	0.000907	1.36	400.68	261.96	0.28
Asta 1-2-3	7685.854	tr 200	487.50	20.26	22.96		23.03	0.000876	1.40	449.80	273.44	0.28
Asta 1-2-3	7685.854	tr 500	574.63	20.26	23.19		23.26	0.000840	1.45	514.27	288.46	0.28
Asta 1-2-3	7585.854	tr 50	356.50	20.22	22.50		22.55	0.000859	1.22	366.55	272.73	0.27
Asta 1-2-3	7585.854	tr 100	421.83	20.22	22.69		22.75	0.000823	1.26	422.05	290.44	0.26
Asta 1-2-3	7585.854	tr 200	487.50	20.22	22.88		22.94	0.000788	1.30	478.14	307.86	0.26
Asta 1-2-3	7585.854	tr 500	574.63	20.22	23.12		23.18	0.000733	1.33	552.74	323.36	0.26
Asta 1-2-3	7485.854	tr 50	356.50	20.17	22.40		22.46	0.000991	1.29	340.89	254.40	0.28
Asta 1-2-3	7485.854	tr 100	421.83	20.17	22.60		22.67	0.000923	1.32	394.18	270.78	0.28
Asta 1-2-3	7485.854	tr 200	487.50	20.17	22.79		22.86	0.000864	1.35	447.84	286.33	0.27
Asta 1-2-3	7485.854	tr 500	574.63	20.17	23.03		23.10	0.000798	1.38	519.35	306.51	0.27
Asta 1-2-3	7385.854	tr 50	356.50	20.12	22.24		22.34	0.001545	1.49	287.69	240.75	0.35
Asta 1-2-3	7385.854	tr 100	421.83	20.12	22.46		22.55	0.001340	1.50	342.44	258.19	0.33
Asta 1-2-3	7385.854	tr 200	487.50	20.12	22.67		22.76	0.001191	1.50	397.14	274.49	0.32
Asta 1-2-3	7385.854	tr 500	574.63	20.12	22.92		23.01	0.001048	1.51	469.59	295.29	0.30
Asta 1-2-3	7285.854	tr 50	356.50	20.07	22.22	21.01	22.25	0.000380	0.79	521.86	364.39	0.18
Asta 1-2-3	7285.854	tr 100	421.83	20.07	22.45	21.09	22.47	0.000343	0.80	606.54	388.35	0.17
Asta 1-2-3	7285.854	tr 200	487.50	20.07	22.66	21.17	22.68	0.000316	0.82	690.35	411.39	0.17
Asta 1-2-3	7285.854	tr 500	574.63	20.07	22.92	21.26	22.94	0.000288	0.83	799.63	432.87	0.16
Asta 1-2-3	7240.257	tr 50	356.50	20.05	22.19		22.21	0.000294	0.71	606.40	379.39	0.16
Asta 1-2-3	7240.257	tr 100	421.83	20.05	22.42		22.44	0.000274	0.73	694.32	392.13	0.15
Asta 1-2-3	7240.257	tr 200	487.50	20.05	22.63		22.65	0.000259	0.76	778.34	402.96	0.15
Asta 1-2-3	7240.257	tr 500	574.63	20.05	22.89		22.91	0.000244	0.78	884.94	415.89	0.15
Asta 1-2-3	7185.854	tr 50	356.50	19.99	22.16		22.19	0.000377	0.81	487.70	285.60	0.18
Asta 1-2-3	7185.854	tr 100	421.83	19.99	22.39		22.42	0.000361	0.84	553.79	295.58	0.17
Asta 1-2-3	7185.854	tr 200	487.50	19.99	22.60		22.63	0.000349	0.88	617.02	304.45	0.17
Asta 1-2-3	7185.854	tr 500	574.63	19.99	22.86		22.90	0.000337	0.92	697.42	315.36	0.17
Asta 1-2-3	7085.854	tr 50	356.50	19.64	22.08		22.14	0.000759	1.22	363.49	229.20	0.25
Asta 1-2-3	7085.854	tr 100	421.83	19.64	22.31		22.37	0.000715	1.26	417.64	242.47	0.25
Asta 1-2-3	7085.854	tr 200	487.50	19.64	22.53		22.59	0.000682	1.29	470.37	254.42	0.25
Asta 1-2-3	7085.854	tr 500	574.63	19.64	22.79		22.85	0.000647	1.34	538.61	268.17	0.24
Asta 1-2-3	6985.854	tr 50	356.50	19.63	21.96		22.04	0.001150	1.42	301.50	201.31	0.31
Asta 1-2-3	6985.854	tr 100	421.83	19.63	22.20		22.28	0.001058	1.46	350.38	213.75	0.30
Asta 1-2-3	6985.854	tr 200	487.50	19.63	22.41		22.50	0.000992	1.50	397.92	225.27	0.30
Asta 1-2-3	6985.854	tr 500	574.63	19.63	22.68		22.77	0.000925	1.54	459.58	239.40	0.29
Asta 1-2-3	6885.854	tr 50	356.50	18.28	21.92		21.97	0.000411	1.16	423.31	238.07	0.20
Asta 1-2-3	6885.854	tr 100	421.83	18.28	22.16		22.21	0.000411	1.22	481.48	252.04	0.20
Asta 1-2-3	6885.854	tr 200	487.50	18.28	22.38		22.43	0.000412	1.27	537.87	264.92	0.20
Asta 1-2-3	6885.854	tr 500	574.63	18.28	22.64		22.70	0.000411	1.32	610.87	281.20	0.21
Asta 1-2-3	6785.854	tr 50	356.50	18.01	21.90		21.93	0.000255	0.95	507.17	258.50	0.16
Asta 1-2-3	6785.854	tr 100	421.83	18.01	22.14		22.17	0.000267	1.01	570.39	276.80	0.16
Asta 1-2-3	6785.854	tr 200	487.50	18.01	22.35		22.39	0.000276	1.07	632.53	294.78	0.17
Asta 1-2-3	6785.854	tr 500	574.63	18.01	22.62		22.66	0.000283	1.13	714.19	316.74	0.17
Asta 1-2-3	6684.366	tr 50	356.50	17.72	21.90		21.91	0.000103	0.63	732.05	303.13	0.10
Asta 1-2-3	6684.366	tr 100	421.83	17.72	22.13		22.15	0.000109	0.68	804.79	311.78	0.11
Asta 1-2-3	6684.366	tr 200	487.50	17.72	22.35		22.37	0.000115	0.72	873.45	319.26	0.11
Asta 1-2-3	6684.366	tr 500	574.63	17.72	22.62		22.64	0.000122	0.77	959.77	327.73	0.11
Asta 1-2-3	6638.547	tr 50	356.50	17.63	21.90		21.91	0.000075	0.53	821.96	318.14	0.09
Asta 1-2-3	6638.547	tr 100	421.83	17.63	22.13		22.14	0.000081	0.58	898.16	326.39	0.09
Asta 1-2-3	6638.547	tr 200	487.50	17.63	22.35		22.36	0.000088	0.62	970.02	335.90	0.10
Asta 1-2-3	6638.547	tr 500	574.63	17.63	22.62		22.63	0.000096	0.68	1061.71	352.22	0.10
Asta 1-2-3	6581.278	tr 50	356.50	17.77	21.88		21.90	0.000118	0.62	651.76	289.95	0.11
Asta 1-2-3	6581.278	tr 100	421.83	17.77	22.12		22.14	0.000124	0.67	721.37	301.28	0.11
Asta 1-2-3	6581.278	tr 200	487.50	17.77	22.34		22.36	0.000130	0.71	787.73	311.70	0.12
Asta 1-2-3	6581.278	tr 500	574.63	17.77	22.60		22.63	0.000136	0.76	872.21	324.42	0.12
Asta 1-2-3	6484.649	tr 50	356.50	17.49	21.87		21.89	0.000134	0.75	571.86	212.24	0.12
Asta 1-2-3	6484.649	tr 100	421.83	17.49	22.10		22.12	0.000148	0.82	622.02	218.93	0.13
Asta 1-2-3	6484.649	tr 200	487.50	17.49	22.31		22.34	0.000163	0.89	669.68	227.99	0.13

HEC-RAS Plan: Plan 01 River: Riu Serra Reach: Asta 1-2-3 (Continued)

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
Asta 1-2-3	6484.649	tr 500	574.63	17.49	22.57		22.61	0.000181	0.97	730.98	240.02	0.14
Asta 1-2-3	6386.174	tr 50	356.50	17.95	21.73		21.85	0.001334	1.28	255.99	108.16	0.22
Asta 1-2-3	6386.174	tr 100	421.83	17.95	21.95		22.08	0.001430	1.37	279.06	110.53	0.23
Asta 1-2-3	6386.174	tr 200	487.50	17.95	22.14		22.29	0.001523	1.46	300.44	112.69	0.23
Asta 1-2-3	6386.174	tr 500	574.63	17.95	22.37		22.55	0.001632	1.57	327.04	115.29	0.24
Asta 1-2-3	6286.4	tr 50	356.50	18.74	20.87	20.87	21.47	0.019271	3.40	109.85	94.56	0.77
Asta 1-2-3	6286.4	tr 100	421.83	18.74	21.01	21.01	21.68	0.018748	3.52	123.50	97.46	0.77
Asta 1-2-3	6286.4	tr 200	487.50	18.74	21.16	21.16	21.87	0.017708	3.58	138.15	100.48	0.76
Asta 1-2-3	6286.4	tr 500	574.63	18.74	21.34	21.34	22.12	0.016634	3.66	156.92	104.22	0.75
Asta 1-2-3	6191.049	tr 50	356.50	16.88	20.09	18.75	20.19	0.000962	1.60	268.43	144.62	0.30
Asta 1-2-3	6191.049	tr 100	421.83	16.88	20.39	18.95	20.50	0.000868	1.62	314.36	153.90	0.29
Asta 1-2-3	6191.049	tr 200	487.50	16.88	20.68	19.09	20.79	0.000796	1.64	359.78	159.41	0.28
Asta 1-2-3	6191.049	tr 500	574.63	16.88	21.03	19.26	21.14	0.000737	1.68	416.05	165.76	0.27
Asta 1-2-3	6088.909	tr 50	356.50	15.27	20.09		20.13	0.000215	1.02	436.92	145.34	0.15
Asta 1-2-3	6088.909	tr 100	421.83	15.27	20.39		20.44	0.000233	1.10	481.68	150.03	0.16
Asta 1-2-3	6088.909	tr 200	487.50	15.27	20.68		20.73	0.000248	1.18	525.18	153.81	0.17
Asta 1-2-3	6088.909	tr 500	574.63	15.27	21.02		21.08	0.000266	1.28	578.47	157.78	0.17
Asta 1-2-3	5979.484	tr 50	356.50	15.23	19.79	18.21	20.06	0.001632	2.35	168.28	64.02	0.39
Asta 1-2-3	5979.484	tr 100	421.83	15.23	20.04	18.46	20.36	0.001798	2.56	184.83	67.74	0.41
Asta 1-2-3	5979.484	tr 200	487.50	15.23	20.28	18.69	20.64	0.001944	2.76	201.35	72.97	0.43
Asta 1-2-3	5979.484	tr 500	574.63	15.23	20.55	18.98	20.98	0.002139	3.02	222.30	79.90	0.46
Asta 1-2-3	5908.972	tr 50	356.50	15.43	19.47		19.86	0.004709	2.87	177.44	117.28	0.46
Asta 1-2-3	5908.972	tr 100	421.83	15.43	19.75		20.16	0.004517	2.95	212.54	125.48	0.46
Asta 1-2-3	5908.972	tr 200	487.50	15.43	20.02		20.44	0.004399	3.03	247.05	137.85	0.45
Asta 1-2-3	5908.972	tr 500	574.63	15.43	20.36		20.77	0.004073	3.06	296.08	149.31	0.44
Asta 1-2-3	5839.298	tr 50	356.50	15.25	19.59		19.63	0.000887	0.80	460.49	198.96	0.13
Asta 1-2-3	5839.298	tr 100	421.83	15.25	19.89		19.93	0.000880	0.84	521.26	215.00	0.13
Asta 1-2-3	5839.298	tr 200	487.50	15.25	20.16		20.21	0.000871	0.87	583.16	234.72	0.13
Asta 1-2-3	5839.298	tr 500	574.63	15.25	20.50		20.55	0.000824	0.89	667.20	255.88	0.13
Asta 1-2-3	5747.938	tr 50	356.50	15.40	19.23		19.42	0.009912	2.39	199.24	91.05	0.40
Asta 1-2-3	5747.938	tr 100	421.83	15.40	19.50		19.72	0.010149	2.53	225.45	98.27	0.40
Asta 1-2-3	5747.938	tr 200	487.50	15.40	19.76		19.99	0.010340	2.67	252.11	106.65	0.41
Asta 1-2-3	5747.938	tr 500	574.63	15.40	20.09		20.34	0.010499	2.83	290.18	124.32	0.42
Asta 1-2-3	5672.271	tr 50	356.50	15.48	18.40		18.78	0.007190	2.56	142.32	74.02	0.51
Asta 1-2-3	5672.271	tr 100	421.83	15.48	18.54		19.01	0.008385	2.86	153.39	76.81	0.55
Asta 1-2-3	5672.271	tr 200	487.50	15.48	18.64		19.21	0.009934	3.18	161.15	78.71	0.60
Asta 1-2-3	5672.271	tr 500	574.63	15.48	18.77		19.48	0.011843	3.57	171.67	81.21	0.66
Asta 1-2-3	5585.854	tr 50	356.50	16.41	18.31		18.48	0.001482	1.41	200.55	109.87	0.37
Asta 1-2-3	5585.854	tr 100	421.83	16.41	18.46		18.66	0.001631	1.58	217.78	114.98	0.40
Asta 1-2-3	5585.854	tr 200	487.50	16.41	18.56		18.80	0.001884	1.77	229.12	118.23	0.43
Asta 1-2-3	5585.854	tr 500	574.63	16.41	18.70		18.99	0.002139	1.99	246.14	122.92	0.47
Asta 1-2-3	5385.028	tr 50	356.50	14.64	18.28		18.32	0.000317	1.09	431.92	191.25	0.18
Asta 1-2-3	5385.028	tr 100	421.83	14.64	18.43		18.48	0.000373	1.21	461.42	197.82	0.20
Asta 1-2-3	5385.028	tr 200	487.50	14.64	18.52		18.58	0.000448	1.35	480.02	201.84	0.22
Asta 1-2-3	5385.028	tr 500	574.63	14.64	18.66		18.73	0.000535	1.51	508.33	207.79	0.24
Asta 1-2-3	5310.947	tr 50	356.50	14.51	18.28		18.30	0.000106	0.64	645.07	243.48	0.11
Asta 1-2-3	5310.947	tr 100	421.83	14.51	18.43		18.45	0.000126	0.72	682.59	248.65	0.12
Asta 1-2-3	5310.947	tr 200	487.50	14.51	18.53		18.55	0.000153	0.81	706.13	251.83	0.13
Asta 1-2-3	5310.947	tr 500	574.63	14.51	18.67		18.70	0.000185	0.91	741.60	256.53	0.14
Asta 1-2-3	5231.284	tr 50	356.50	14.71	18.28		18.29	0.000092	0.58	780.95	307.01	0.10
Asta 1-2-3	5231.284	tr 100	421.83	14.71	18.43		18.44	0.000109	0.65	828.11	313.42	0.11
Asta 1-2-3	5231.284	tr 200	487.50	14.71	18.52		18.54	0.000132	0.73	857.54	317.35	0.12
Asta 1-2-3	5231.284	tr 500	574.63	14.71	18.66		18.68	0.000160	0.82	902.01	323.00	0.13

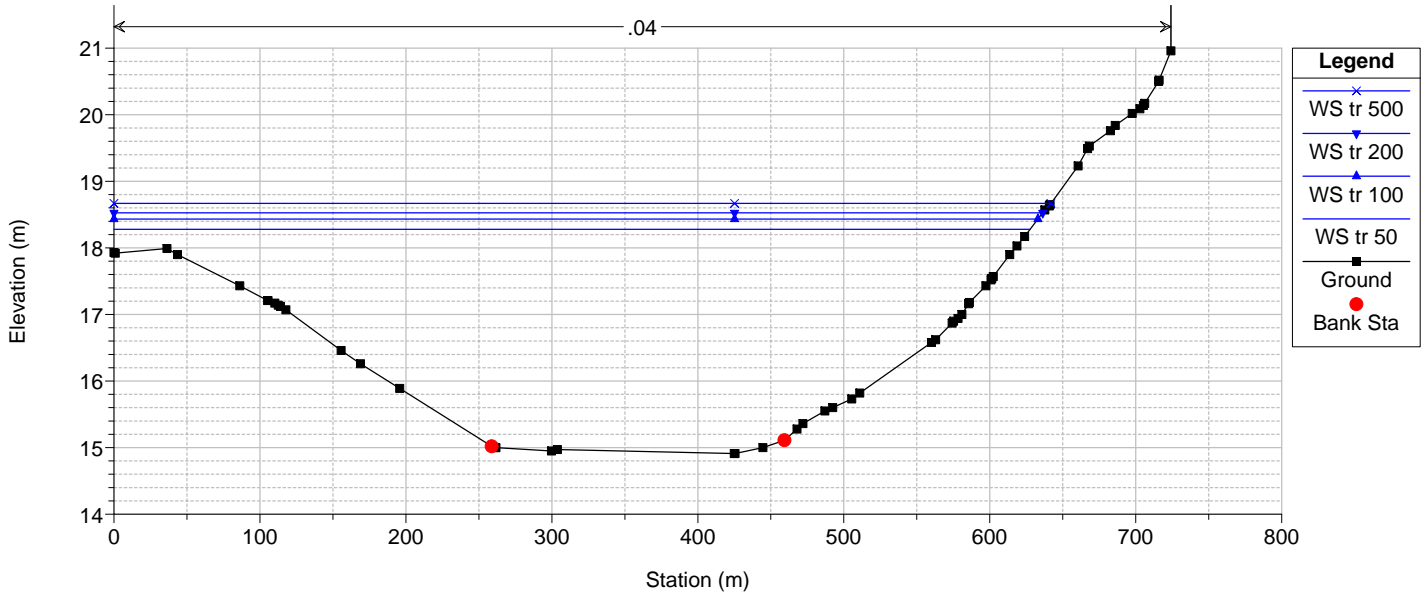
Riu Serra Asta 4



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

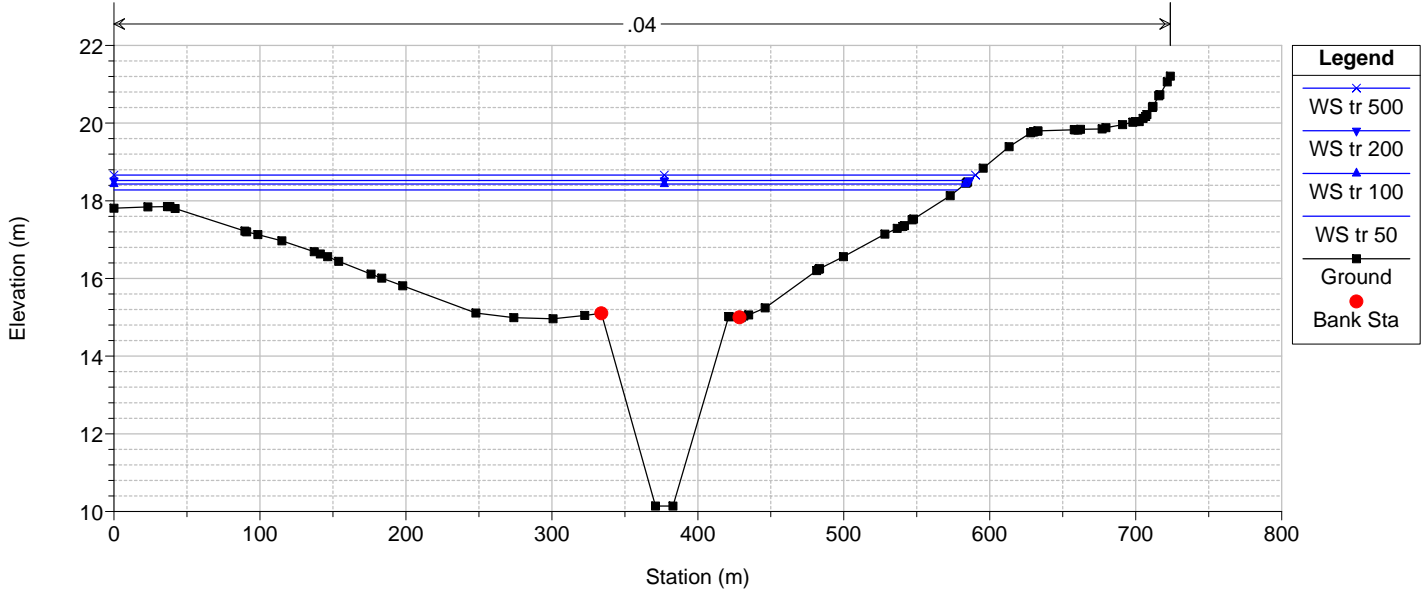
River = Riu Serra Reach = Asta 4 RS = 5148.516 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

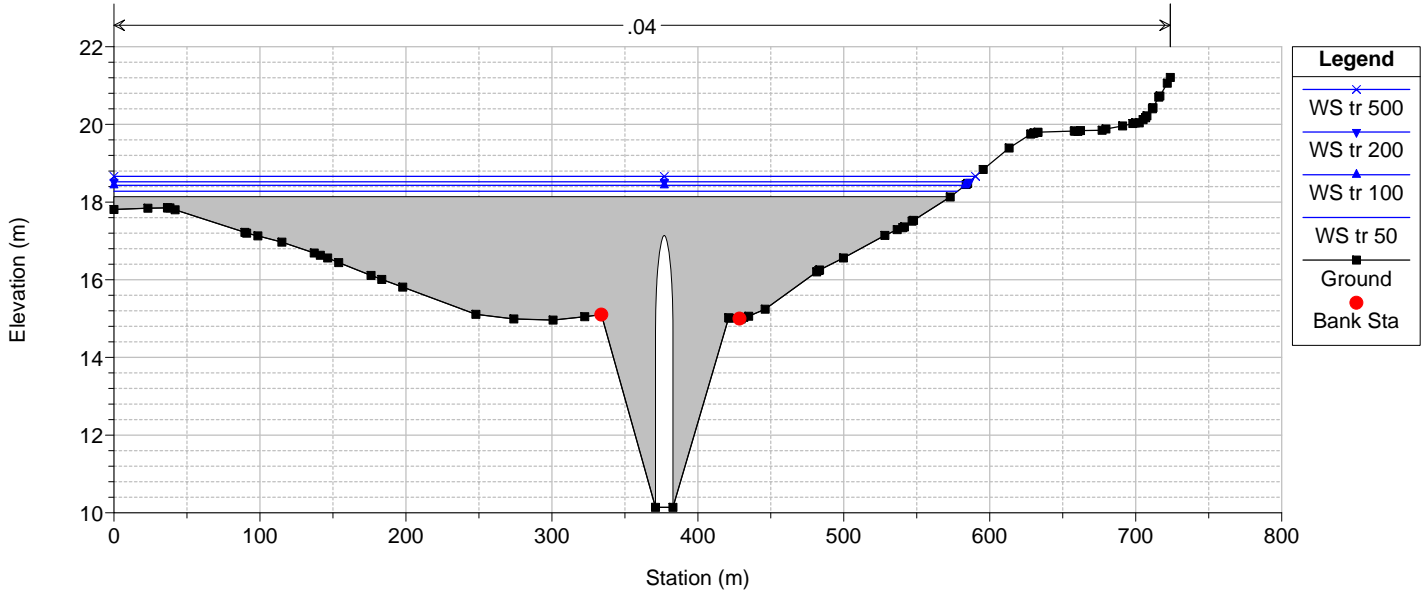
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

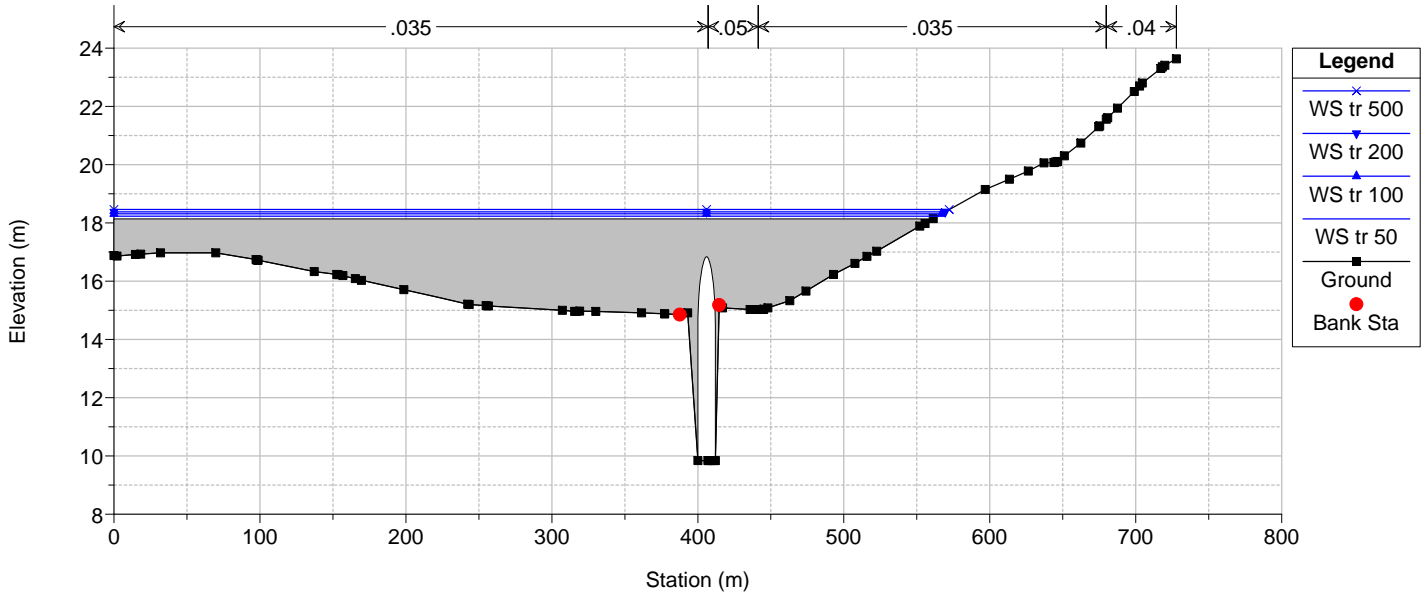
River = Riu Serra Reach = Asta 4 RS = 5089.435 Culv COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

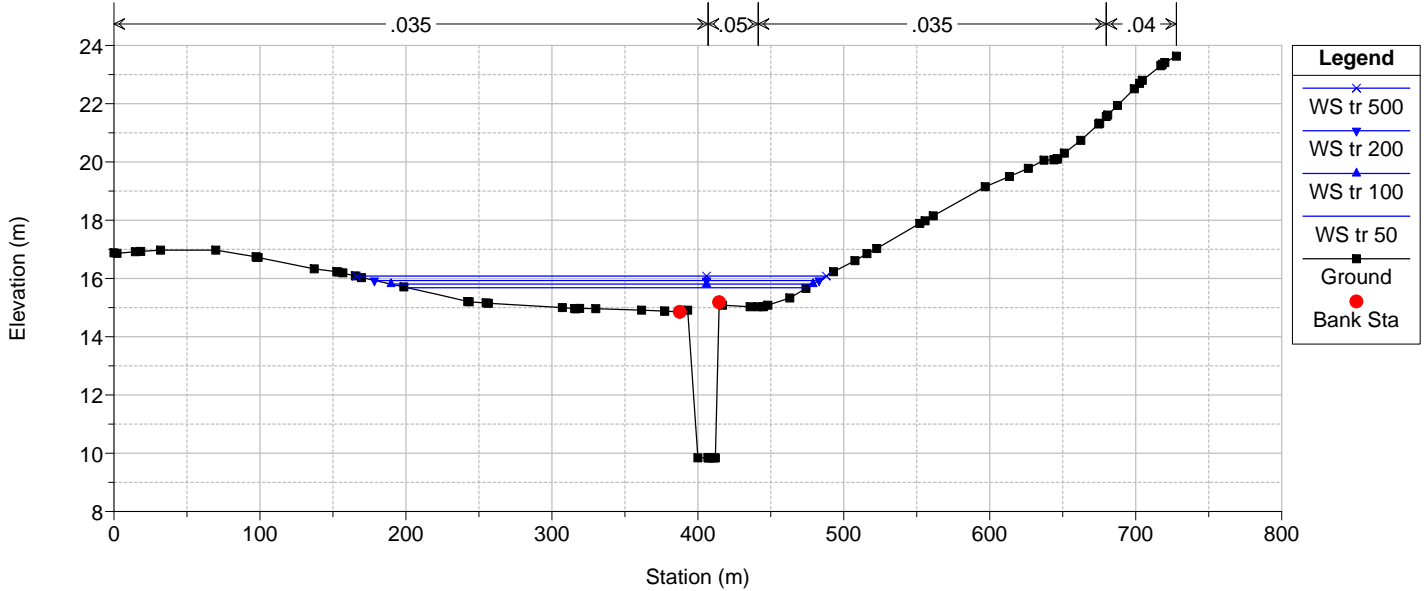
River = Riu Serra Reach = Asta 4 RS = 5089.435 Culv COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

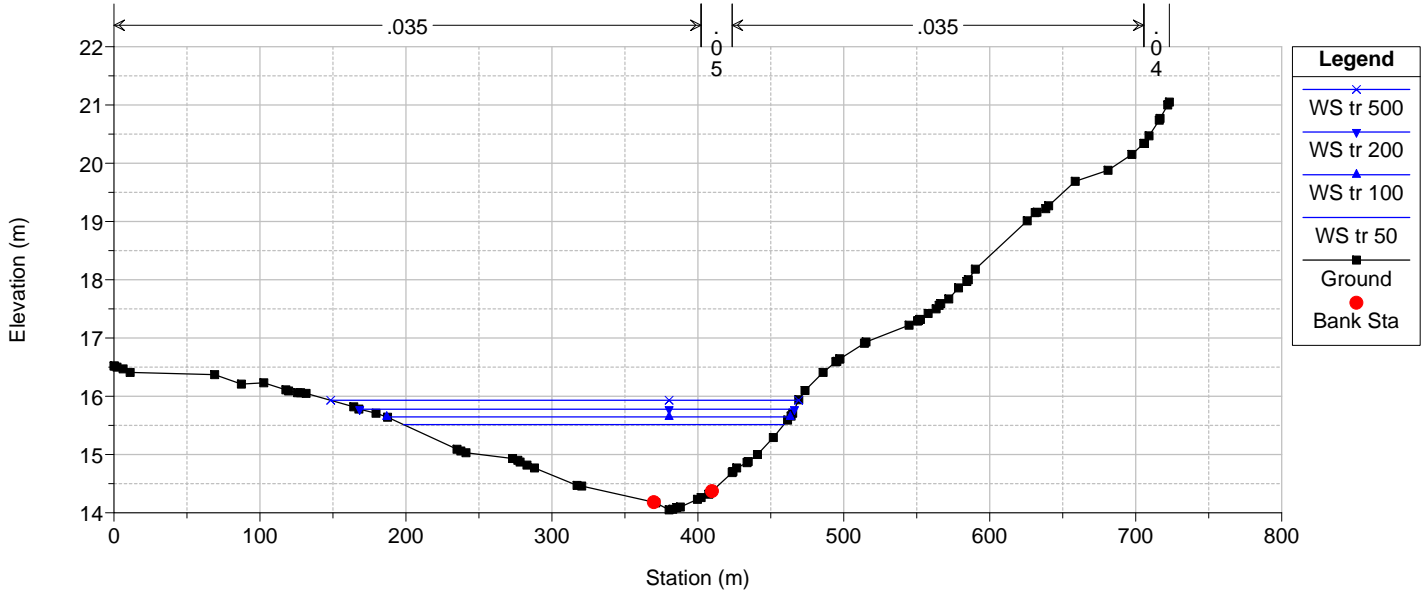
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

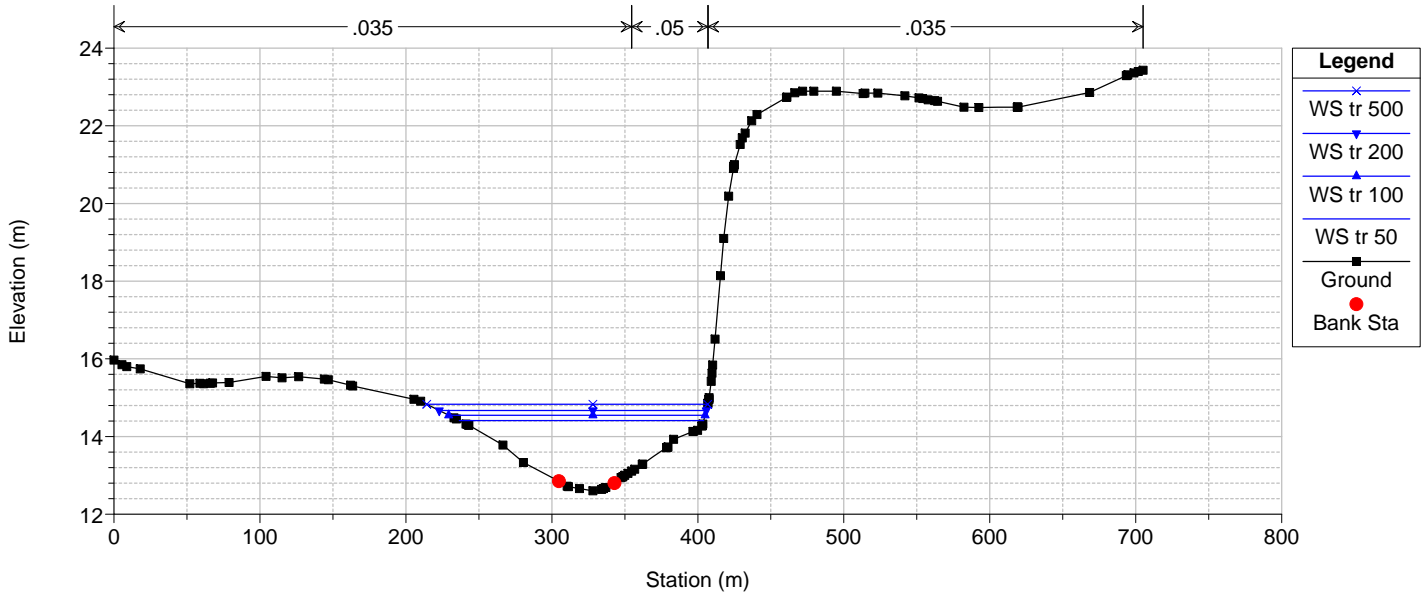
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rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

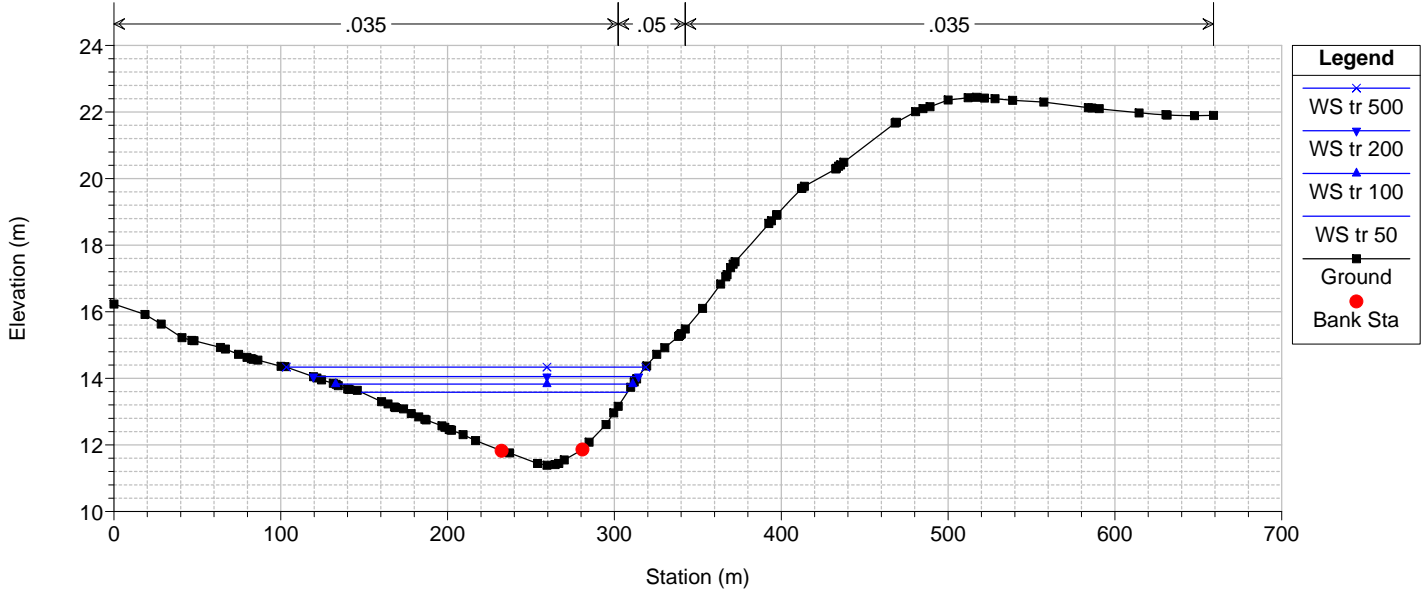
River = Riu Serra Reach = Asta 4 RS = 4916.999 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

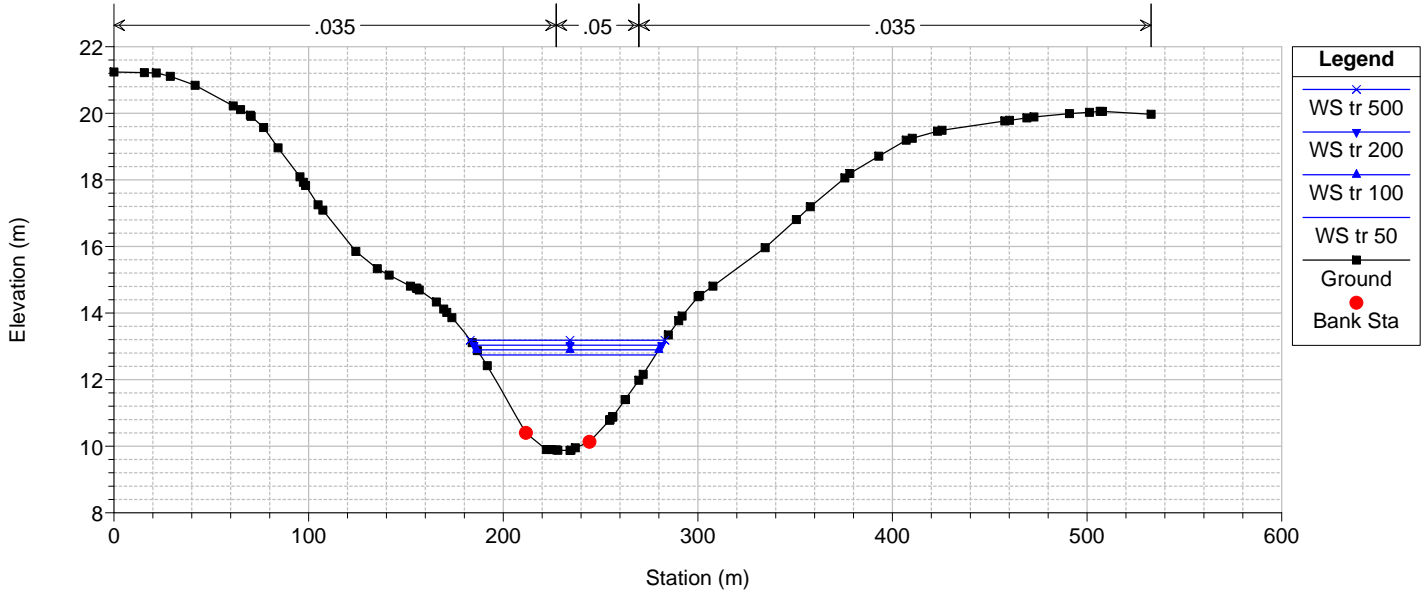
River = Riu Serra Reach = Asta 4 RS = 4821.104 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

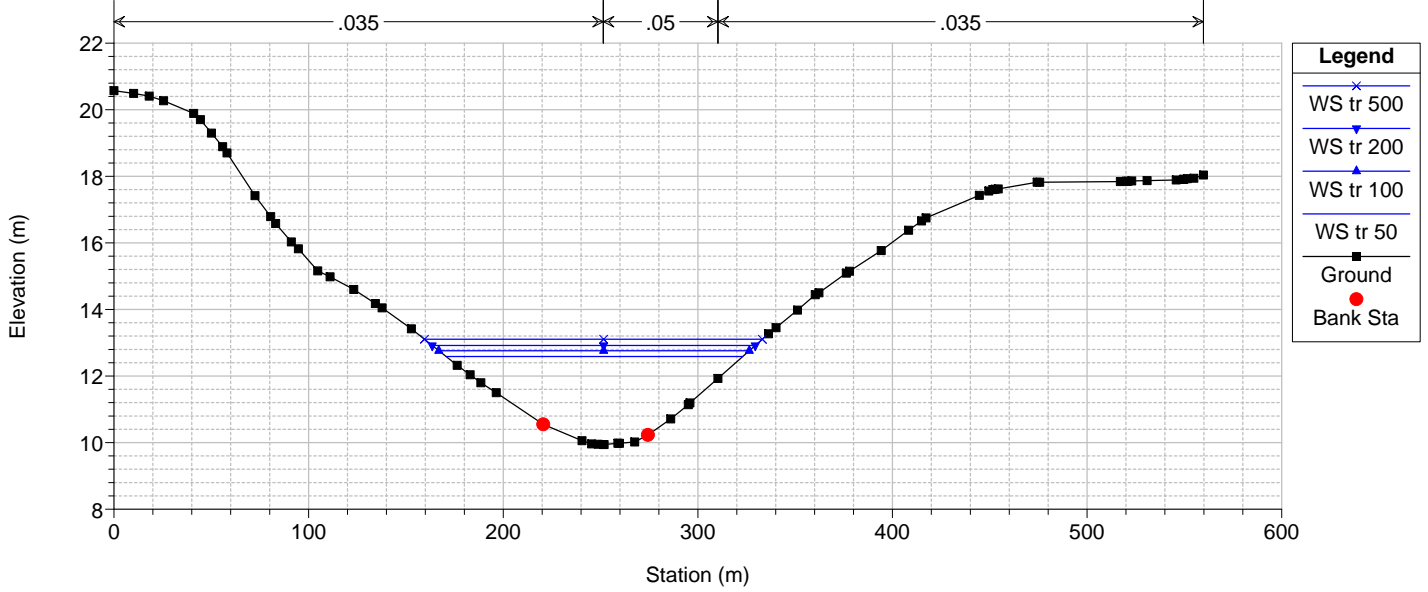
River = Riu Serra Reach = Asta 4 RS = 4684.26 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

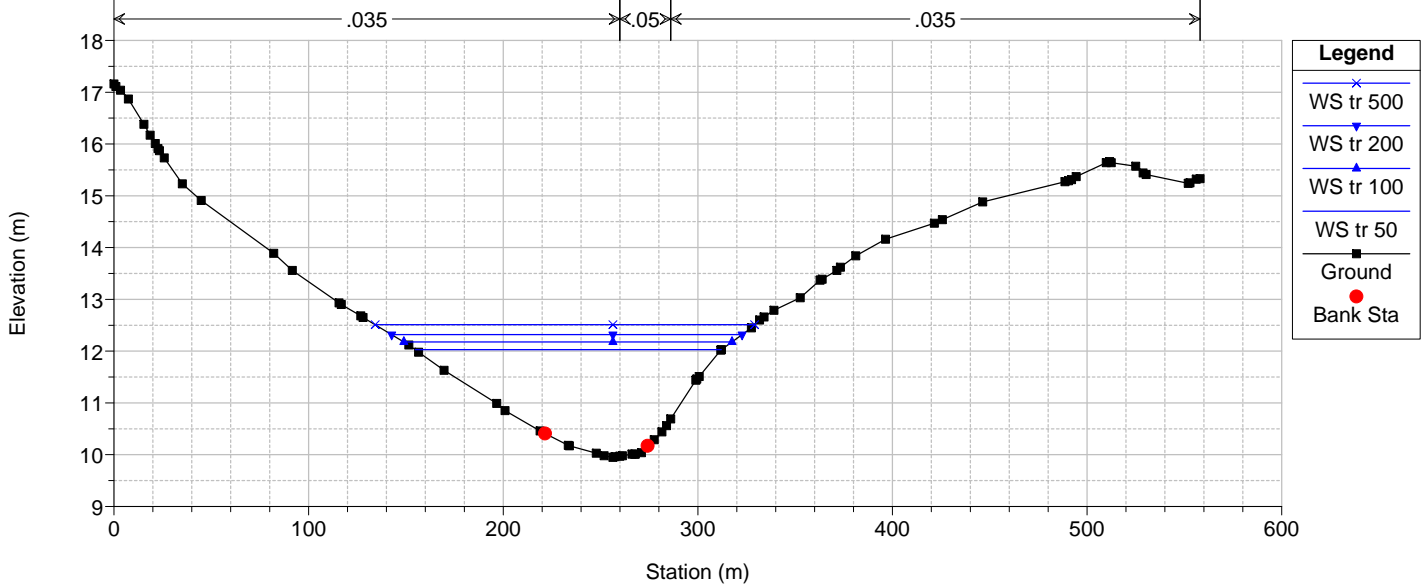
River = Riu Serra Reach = Asta 4 RS = 4594.056 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

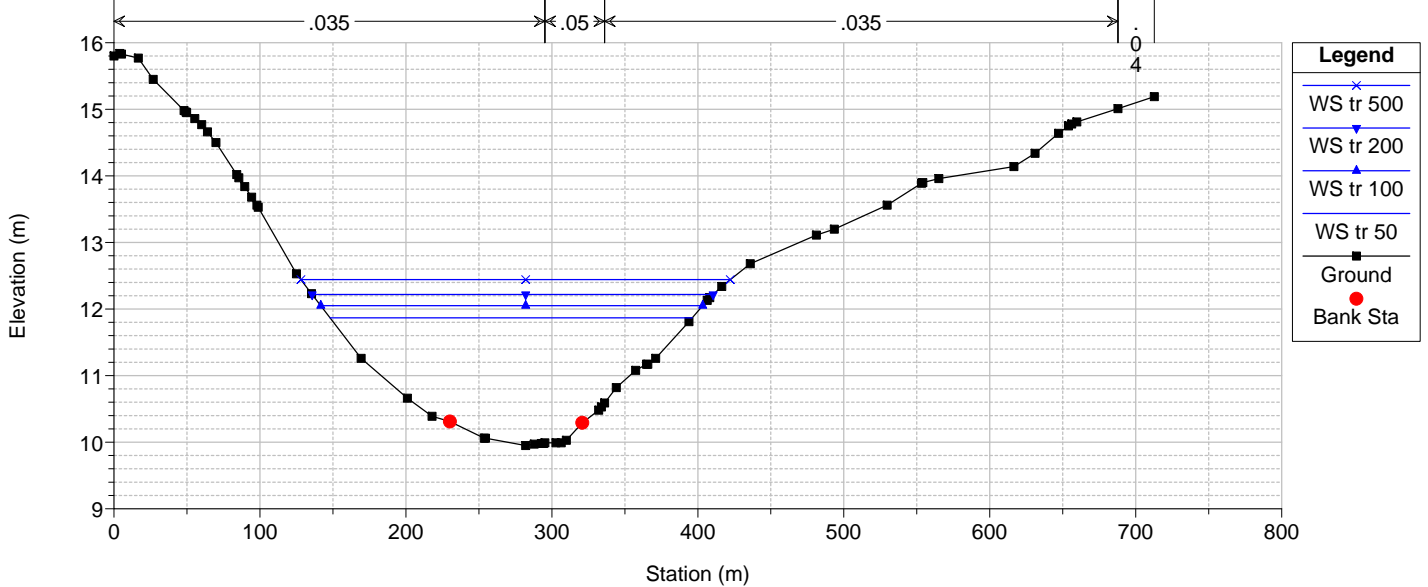
River = Riu Serra Reach = Asta 4 RS = 4485.467 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

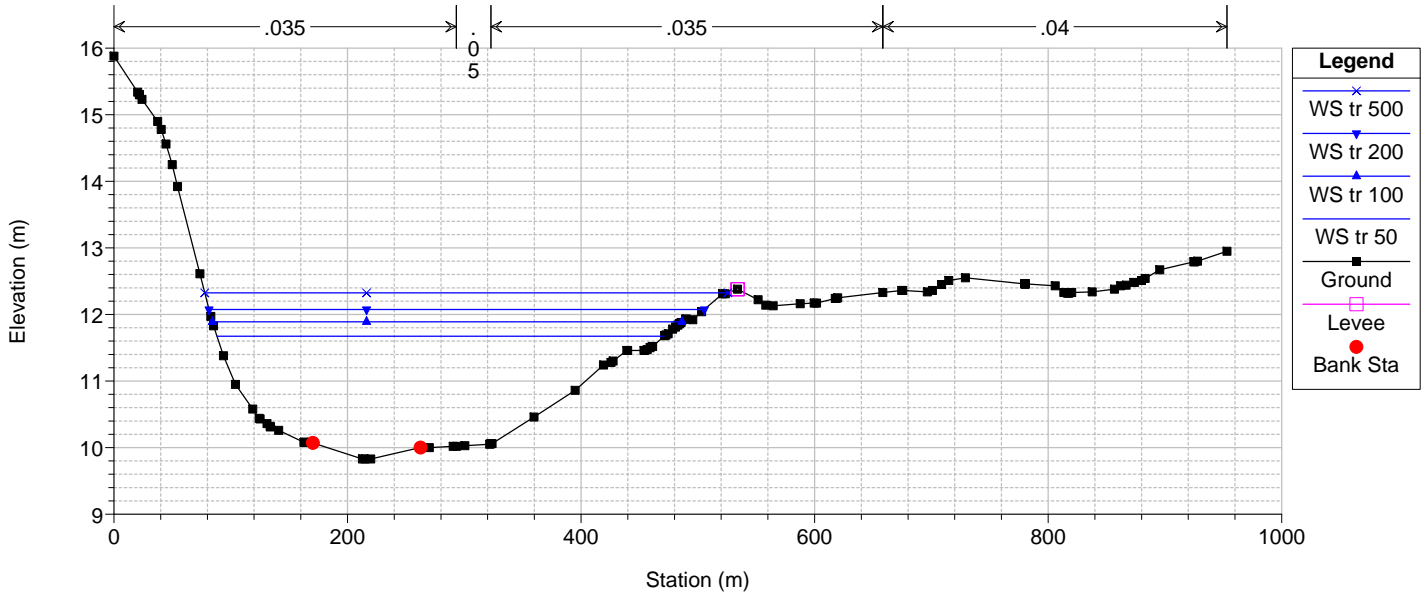
River = Riu Serra Reach = Asta 4 RS = 4395.042 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

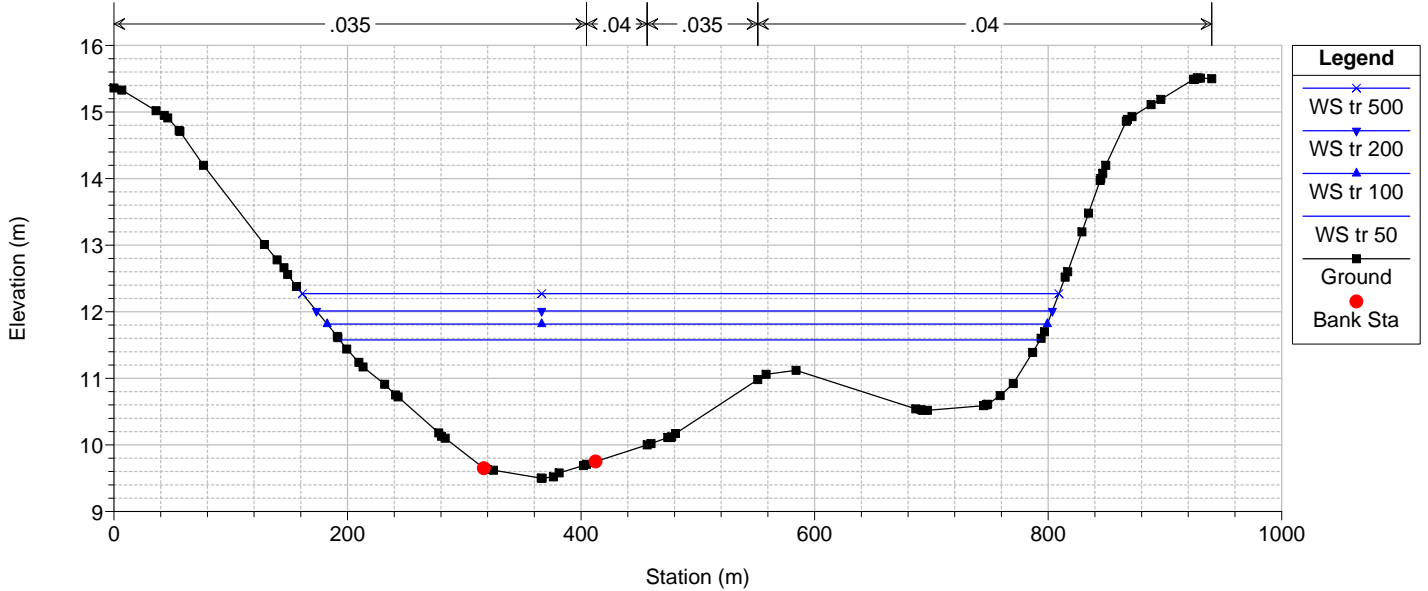
River = Riu Serra Reach = Asta 4 RS = 4212.491 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

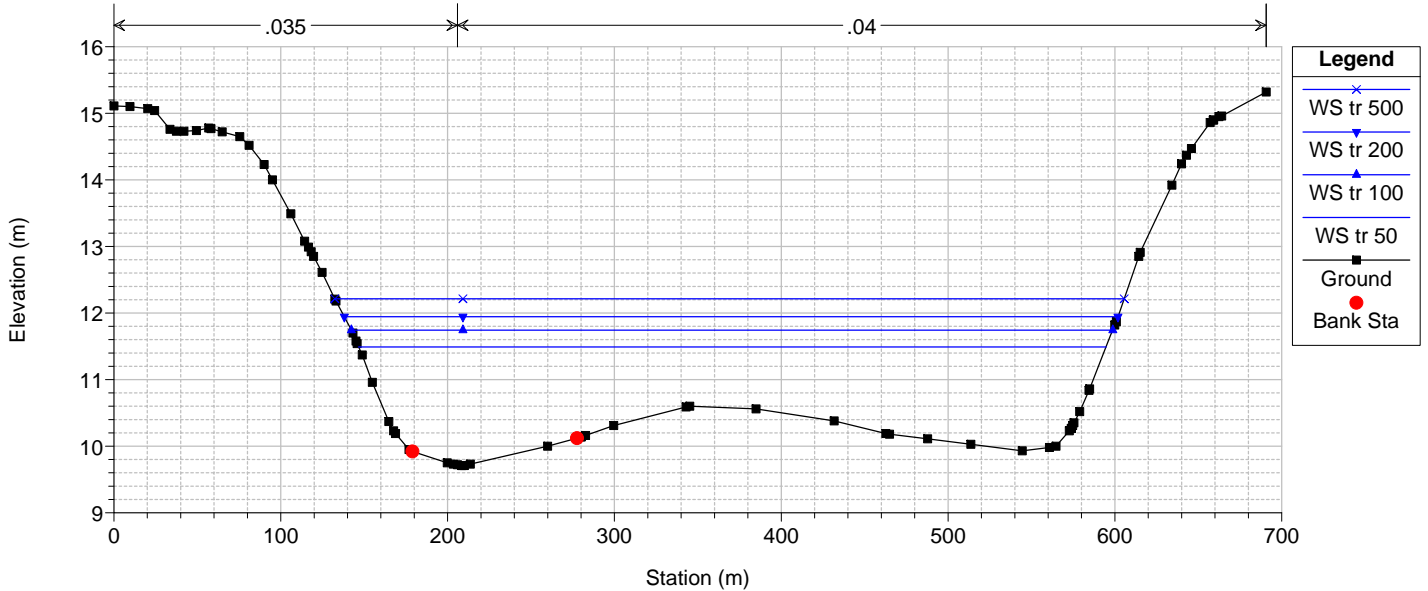
River = Riu Serra Reach = Asta 4 RS = 4030.342 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

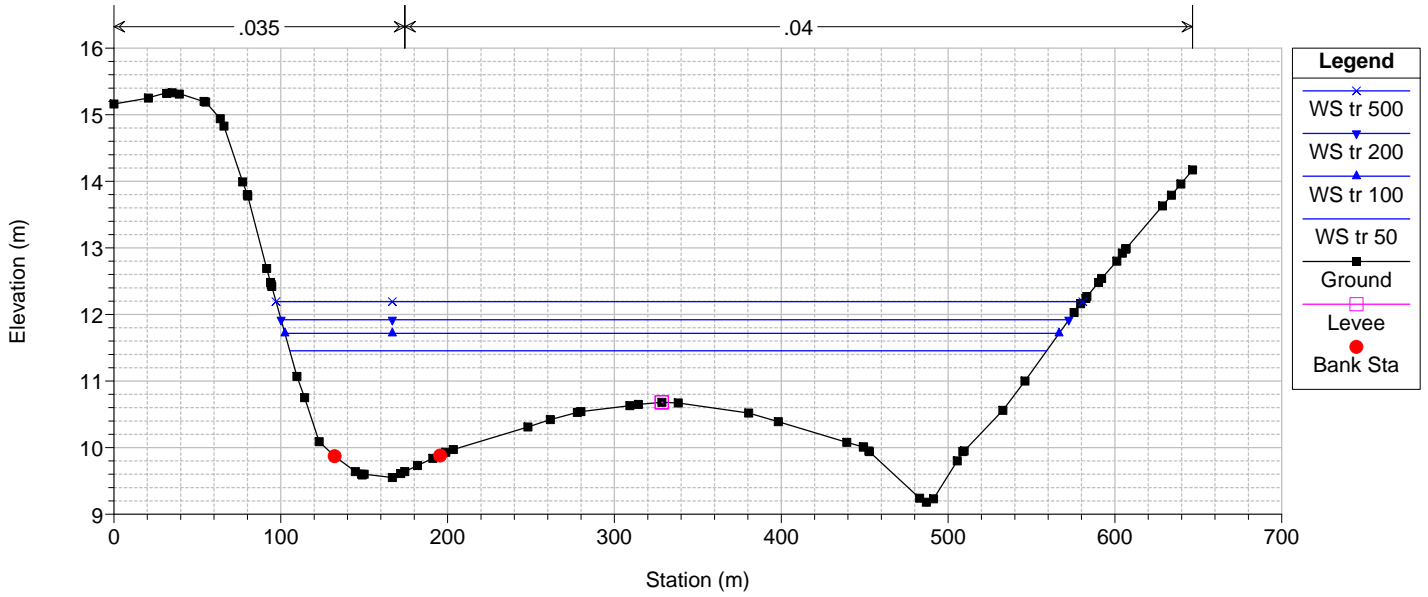
River = Riu Serra Reach = Asta 4 RS = 3904.306 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

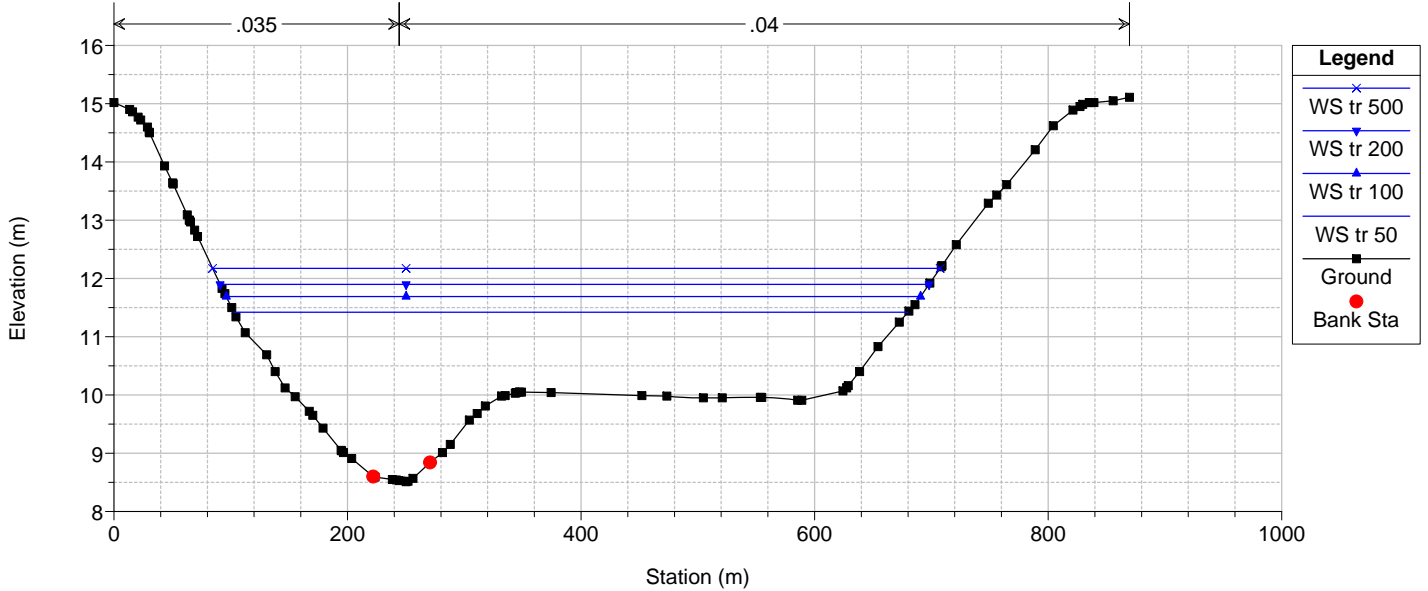
River = Riu Serra Reach = Asta 4 RS = 3859.866 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

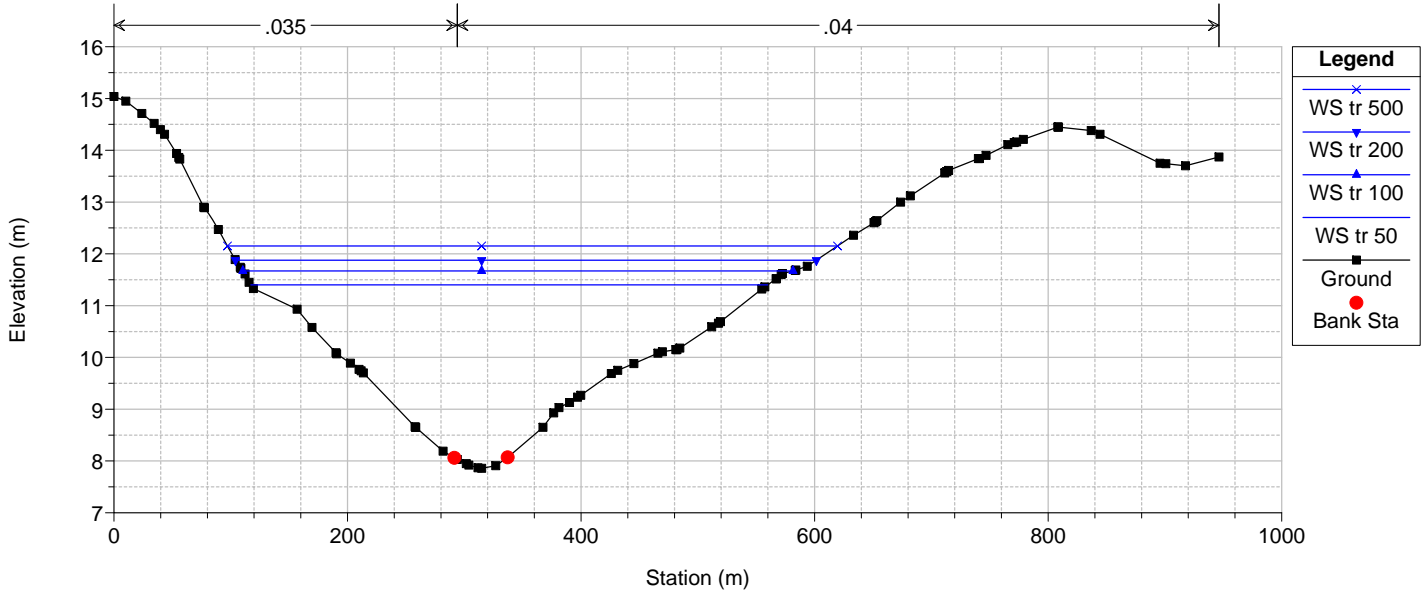
River = Riu Serra Reach = Asta 4 RS = 3727.796 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

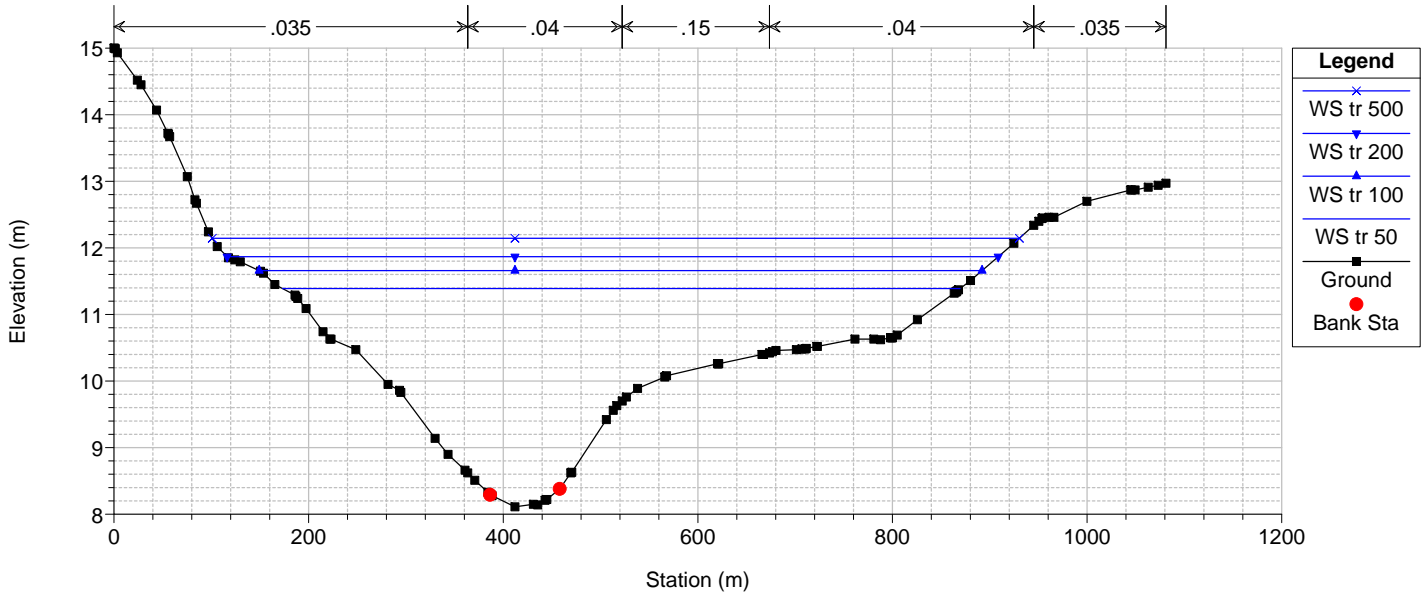
River = Riu Serra Reach = Asta 4 RS = 3662.587 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

River = Riu Serra Reach = Asta 4 RS = 3580.977 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2

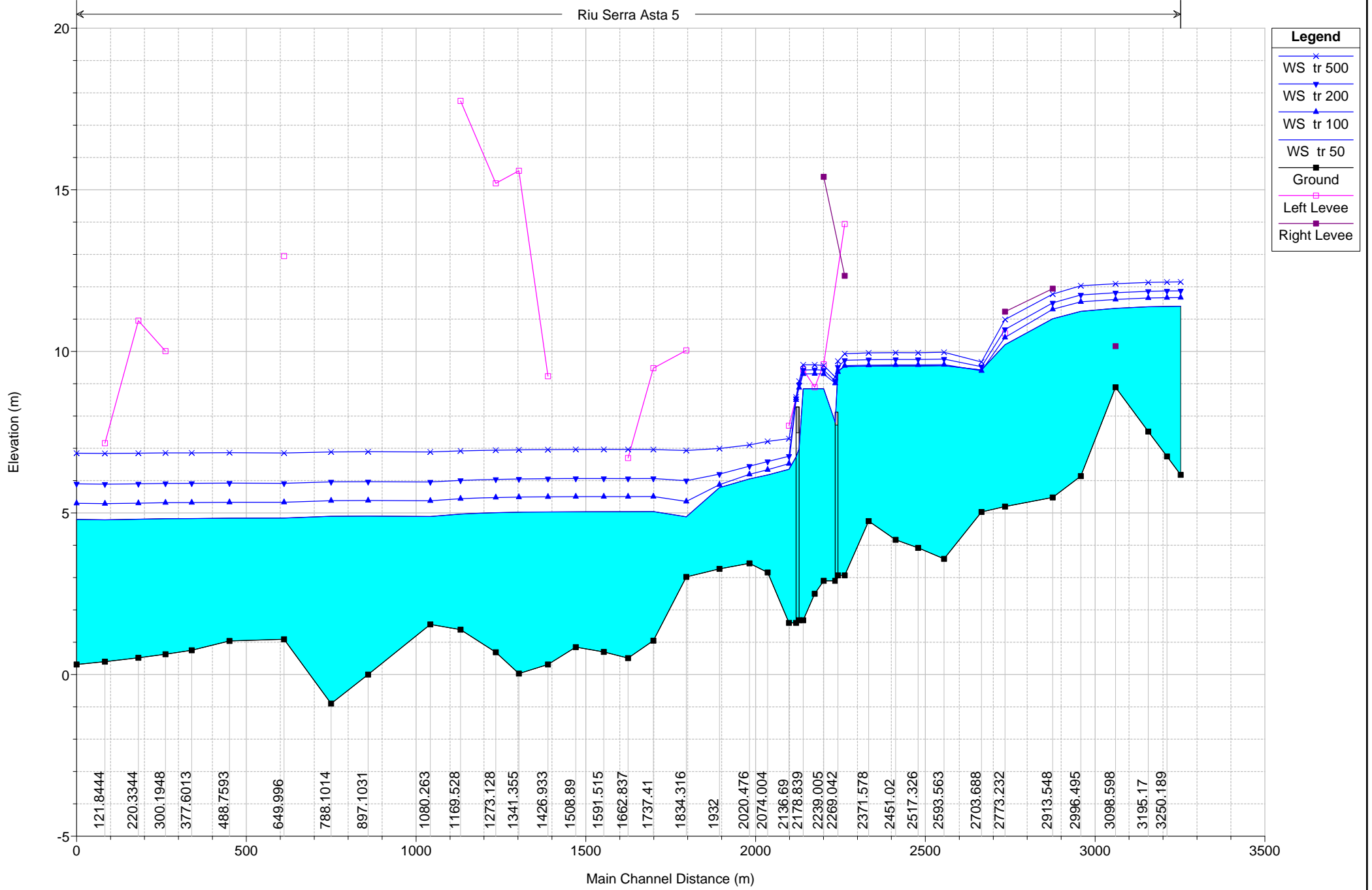


Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta 4	5148.516	tr 50	476.81	14.91	18.28		18.29	0.000060	0.43	1365.99	627.70	0.08
Asta 4	5148.516	tr 100	564.36	14.91	18.43		18.44	0.000069	0.48	1462.32	632.99	0.08
Asta 4	5148.516	tr 200	652.38	14.91	18.53		18.54	0.000082	0.53	1522.13	636.25	0.09
Asta 4	5148.516	tr 500	769.13	14.91	18.67		18.68	0.000096	0.59	1611.68	641.84	0.10
Asta 4	5113.233	tr 50	476.81	10.14	18.28	13.25	18.29	0.000036	0.48	1462.72	577.96	0.06
Asta 4	5113.233	tr 100	564.36	10.14	18.43	13.51	18.44	0.000043	0.54	1551.13	583.14	0.07
Asta 4	5113.233	tr 200	652.38	10.14	18.52	13.74	18.54	0.000053	0.60	1605.85	586.13	0.08
Asta 4	5113.233	tr 500	769.13	10.14	18.66	14.02	18.68	0.000064	0.67	1687.80	590.23	0.09
Asta 4	5089.435		Culvert									
Asta 4	5066.048	tr 50	476.81	9.84	15.68	14.54	16.04	0.003193	3.11	244.82	274.05	0.50
Asta 4	5066.048	tr 100	564.36	9.84	15.81		16.18	0.003420	3.28	279.20	289.08	0.52
Asta 4	5066.048	tr 200	652.38	9.84	15.93		16.31	0.003495	3.39	316.36	304.57	0.53
Asta 4	5066.048	tr 500	769.13	9.84	16.08		16.46	0.003554	3.49	363.31	321.96	0.54
Asta 4	5021.396	tr 50	476.81	14.05	15.51		15.81	0.008222	3.01	209.48	260.62	0.83
Asta 4	5021.396	tr 100	564.36	14.05	15.64		15.95	0.007461	3.05	244.79	276.46	0.80
Asta 4	5021.396	tr 200	652.38	14.05	15.78		16.08	0.006849	3.09	282.58	297.92	0.78
Asta 4	5021.396	tr 500	769.13	14.05	15.93		16.24	0.006270	3.14	330.23	320.54	0.76
Asta 4	4916.999	tr 50	476.81	12.60	14.41	14.41	14.92	0.008620	3.82	169.65	167.52	0.93
Asta 4	4916.999	tr 100	564.36	12.60	14.55	14.55	15.09	0.008587	4.01	193.08	175.59	0.94
Asta 4	4916.999	tr 200	652.38	12.60	14.67	14.67	15.26	0.008622	4.19	215.00	182.87	0.95
Asta 4	4916.999	tr 500	769.13	12.60	14.83	14.83	15.46	0.008442	4.37	245.11	192.42	0.95
Asta 4	4821.104	tr 50	476.81	11.39	13.58	13.34	13.94	0.004491	3.04	196.91	159.51	0.69
Asta 4	4821.104	tr 100	564.36	11.39	13.82	13.49	14.17	0.003844	3.03	238.03	178.12	0.65
Asta 4	4821.104	tr 200	652.38	11.39	14.05	13.61	14.38	0.003353	3.02	280.42	194.87	0.61
Asta 4	4821.104	tr 500	769.13	11.39	14.34	13.80	14.65	0.002855	3.00	338.64	215.40	0.58
Asta 4	4684.26	tr 50	476.81	9.87	12.74		13.24	0.005617	3.51	163.99	90.09	0.68
Asta 4	4684.26	tr 100	564.36	9.87	12.90		13.48	0.006230	3.83	178.23	93.54	0.72
Asta 4	4684.26	tr 200	652.38	9.87	13.03		13.71	0.006849	4.15	191.09	96.48	0.76
Asta 4	4684.26	tr 500	769.13	9.87	13.18	13.00	14.00	0.007750	4.56	205.79	99.97	0.82
Asta 4	4594.056	tr 50	476.81	9.94	12.59		12.81	0.002760	2.37	244.96	152.42	0.48
Asta 4	4594.056	tr 100	564.36	9.94	12.76		13.02	0.002879	2.53	272.23	159.54	0.50
Asta 4	4594.056	tr 200	652.38	9.94	12.92		13.20	0.002991	2.69	297.97	165.98	0.51
Asta 4	4594.056	tr 500	769.13	9.94	13.10		13.43	0.003148	2.88	329.29	173.49	0.53
Asta 4	4485.467	tr 50	476.81	9.95	12.03		12.39	0.005505	3.00	193.55	157.33	0.69
Asta 4	4485.467	tr 100	564.36	9.95	12.18		12.58	0.005625	3.19	217.90	168.64	0.71
Asta 4	4485.467	tr 200	652.38	9.95	12.32		12.75	0.005681	3.35	242.48	180.08	0.72
Asta 4	4485.467	tr 500	769.13	9.95	12.51		12.97	0.005514	3.49	278.13	194.95	0.72
Asta 4	4395.042	tr 50	476.81	9.95	11.87		12.01	0.002362	1.88	300.84	248.10	0.45
Asta 4	4395.042	tr 100	564.36	9.95	12.05		12.20	0.002205	1.94	347.45	261.67	0.44
Asta 4	4395.042	tr 200	652.38	9.95	12.22		12.38	0.002096	2.00	392.30	274.62	0.43
Asta 4	4395.042	tr 500	769.13	9.95	12.44		12.61	0.001923	2.04	455.99	294.16	0.42
Asta 4	4212.491	tr 50	476.81	9.83	11.67	10.84	11.73	0.000916	1.26	469.14	382.93	0.30
Asta 4	4212.491	tr 100	564.36	9.83	11.89	10.93	11.95	0.000793	1.26	553.65	402.09	0.29
Asta 4	4212.491	tr 200	652.38	9.83	12.08	11.01	12.13	0.000733	1.29	630.94	424.23	0.28
Asta 4	4212.491	tr 500	769.13	9.83	12.32	11.11	12.38	0.000647	1.30	739.19	447.89	0.27
Asta 4	4030.342	tr 50	476.81	9.50	11.58		11.61	0.000473	0.97	680.40	599.91	0.22
Asta 4	4030.342	tr 100	564.36	9.50	11.81		11.84	0.000379	0.94	824.53	616.68	0.20
Asta 4	4030.342	tr 200	652.38	9.50	12.01		12.04	0.000337	0.94	947.20	630.09	0.19
Asta 4	4030.342	tr 500	769.13	9.50	12.27		12.30	0.000289	0.93	1114.22	647.90	0.18
Asta 4	3904.306	tr 50	476.81	9.71	11.49		11.53	0.000804	1.02	559.99	448.14	0.26
Asta 4	3904.306	tr 100	564.36	9.71	11.74		11.78	0.000625	0.99	674.07	456.45	0.23
Asta 4	3904.306	tr 200	652.38	9.71	11.95		11.98	0.000555	1.00	767.13	463.82	0.22
Asta 4	3904.306	tr 500	769.13	9.71	12.21		12.25	0.000478	1.00	892.44	473.15	0.21
Asta 4	3859.866	tr 50	476.81	9.55	11.45	10.73	11.49	0.000789	1.13	561.85	453.63	0.27
Asta 4	3859.866	tr 100	564.36	9.55	11.72	10.79	11.75	0.000603	1.08	681.85	464.05	0.24
Asta 4	3859.866	tr 200	652.38	9.55	11.92	10.85	11.96	0.000534	1.09	778.19	472.24	0.23
Asta 4	3859.866	tr 500	769.13	9.55	12.19	10.92	12.23	0.000460	1.09	907.71	483.64	0.22
Asta 4	3727.796	tr 50	476.81	8.51	11.42		11.44	0.000214	0.78	900.79	577.32	0.15
Asta 4	3727.796	tr 100	564.36	8.51	11.69		11.71	0.000185	0.77	1058.03	594.50	0.14
Asta 4	3727.796	tr 200	652.38	8.51	11.90		11.92	0.000177	0.79	1183.32	607.08	0.14
Asta 4	3727.796	tr 500	769.13	8.51	12.17		12.19	0.000164	0.80	1352.16	623.03	0.13
Asta 4	3662.587	tr 50	476.81	7.86	11.40		11.42	0.000225	0.86	786.66	442.67	0.15
Asta 4	3662.587	tr 100	564.36	7.86	11.67		11.69	0.000213	0.88	908.65	471.25	0.15
Asta 4	3662.587	tr 200	652.38	7.86	11.88		11.90	0.000215	0.92	1009.60	497.38	0.15
Asta 4	3662.587	tr 500	769.13	7.86	12.15		12.18	0.000209	0.95	1149.53	522.34	0.15
Asta 4	3580.977	tr 50	476.81	8.11	11.39		11.40	0.000187	0.74	1012.44	696.31	0.13

HEC-RAS Plan: Plan 01 River: Riu Serra Reach: Asta 4 (Continued)

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
Asta 4	3580.977	tr 100	564.36	8.11	11.66		11.67	0.000170	0.75	1207.37	742.91	0.13
Asta 4	3580.977	tr 200	652.38	8.11	11.87		11.88	0.000170	0.77	1367.41	792.33	0.13
Asta 4	3580.977	tr 500	769.13	8.11	12.14		12.16	0.000157	0.78	1591.69	829.39	0.13

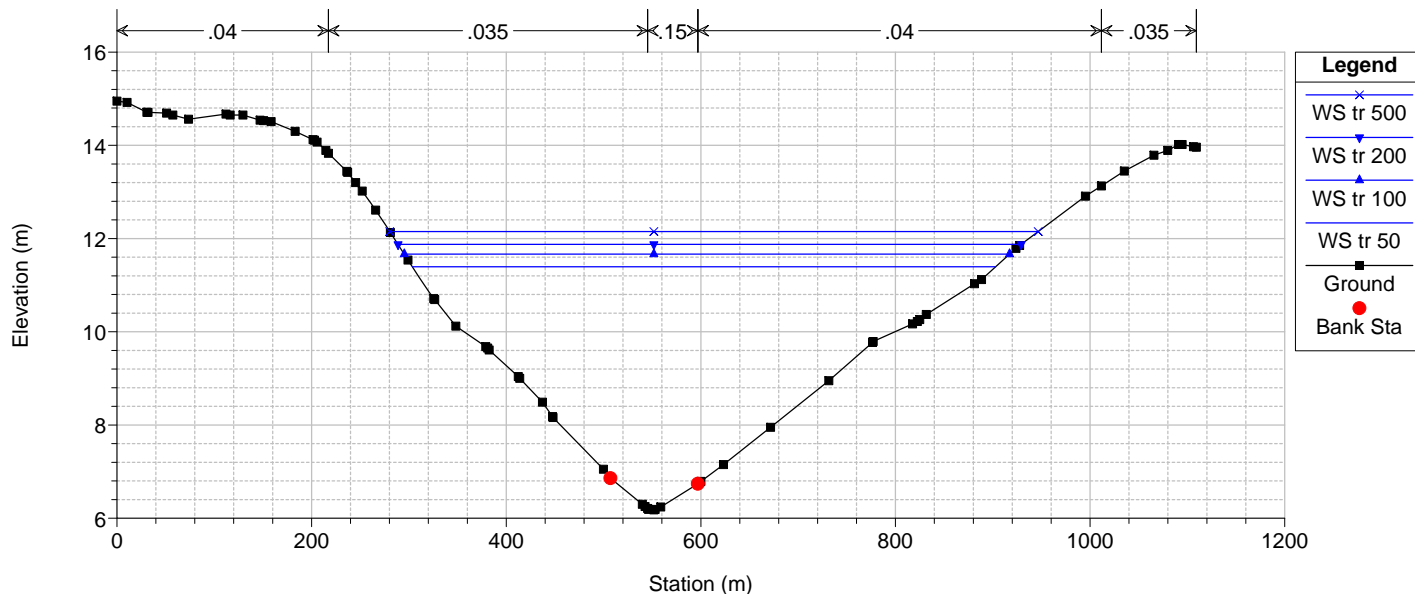
Riu Serra Asta 5



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

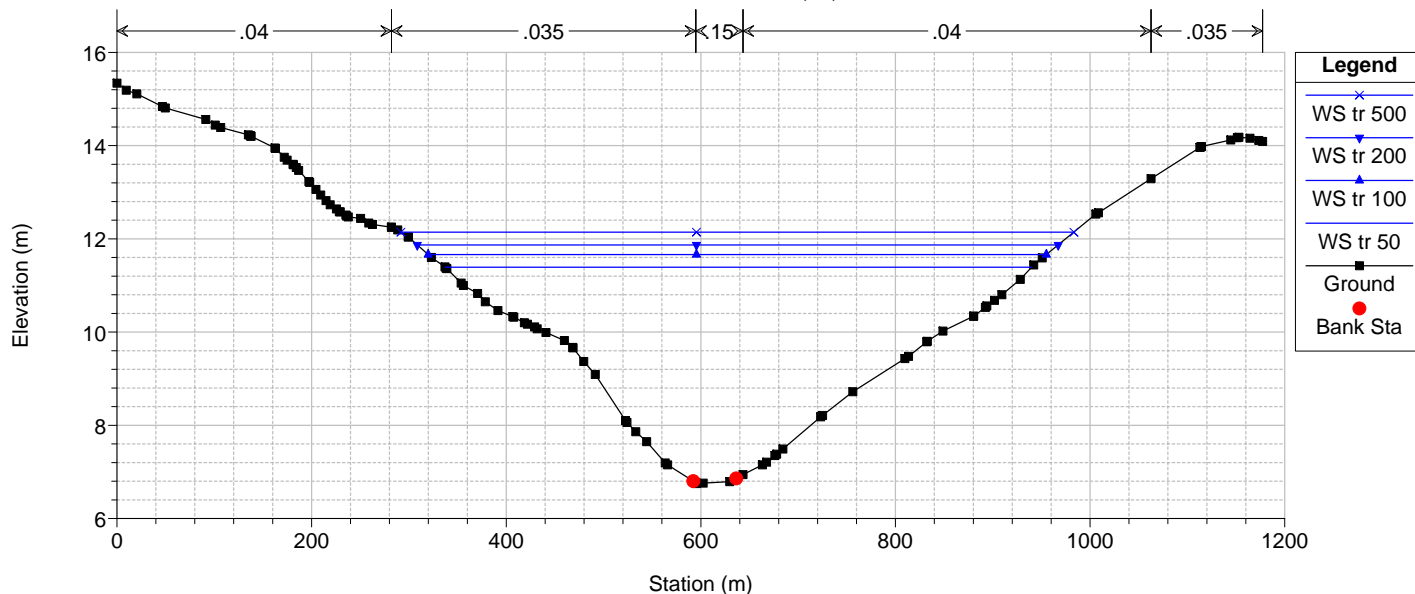
River = Riu Serra Reach = Asta 5 RS = 3290.571 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

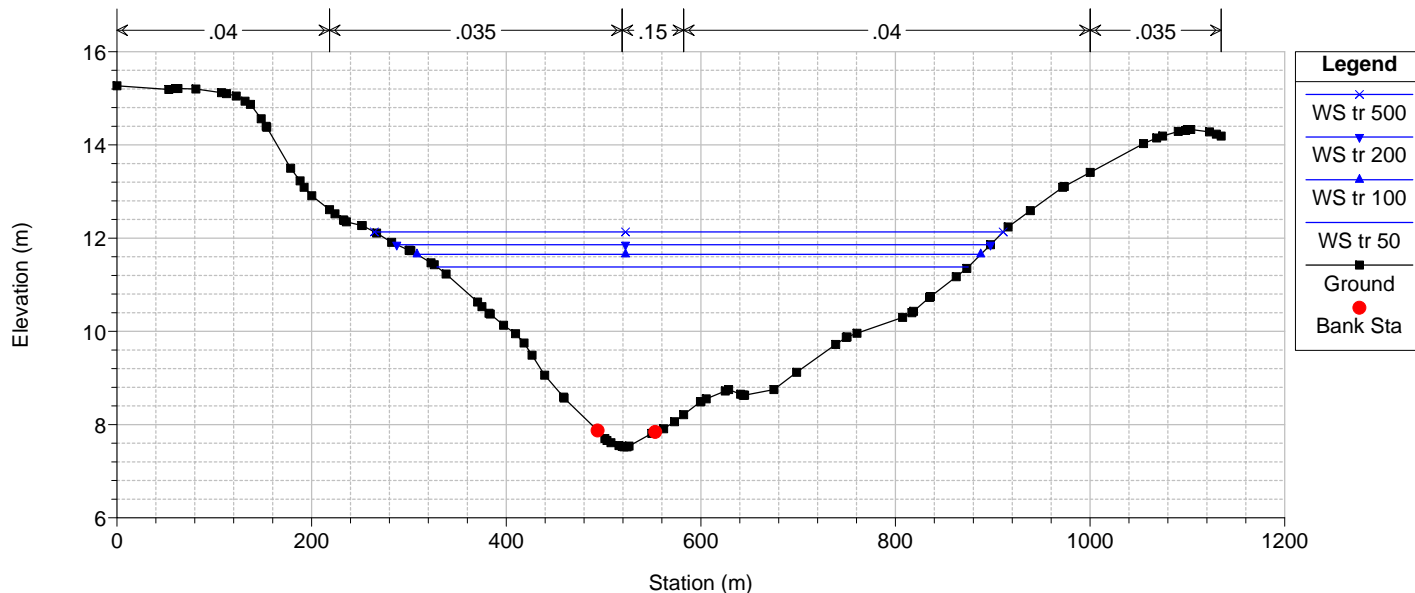
River = Riu Serra Reach = Asta 5 RS = 3250.189 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

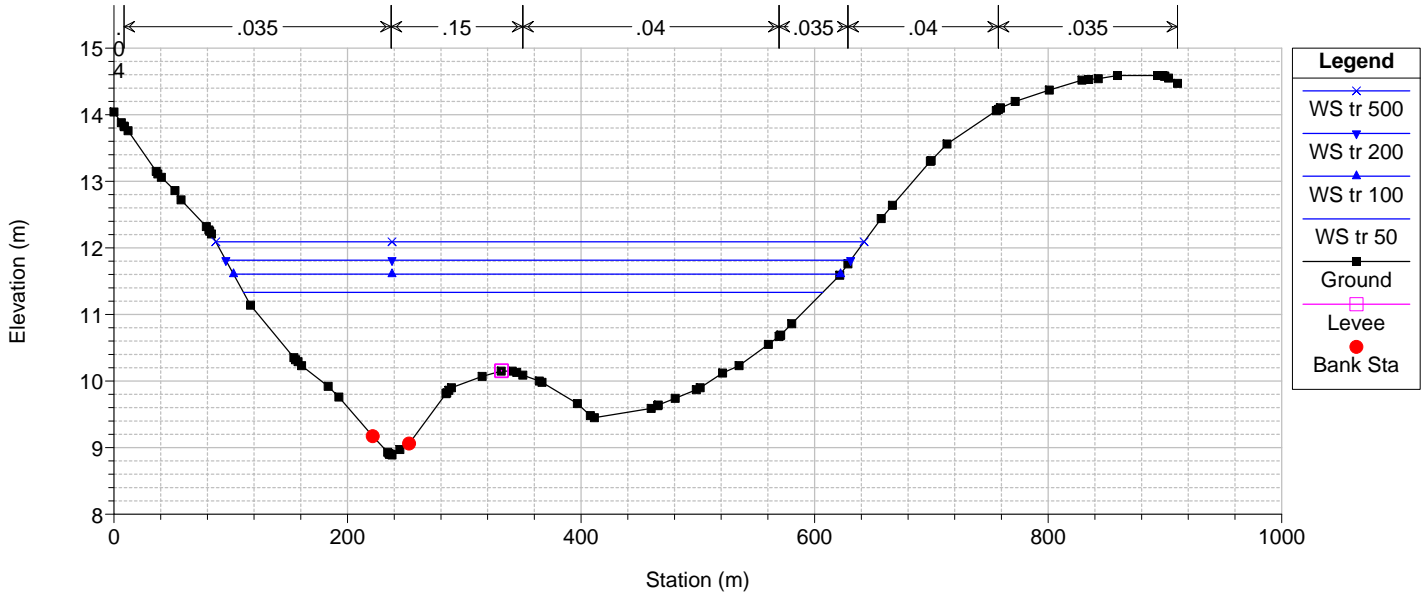
River = Riu Serra Reach = Asta 5 RS = 3195.17 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

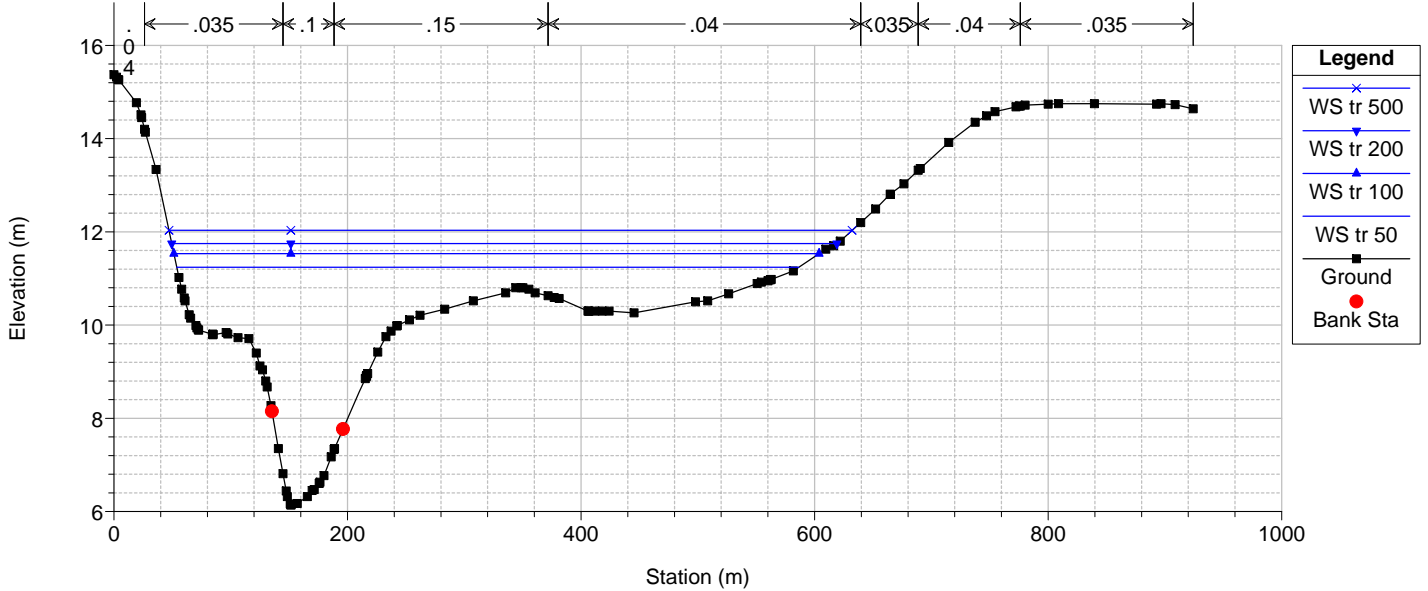
River = Riu Serra Reach = Asta 5 RS = 3098.598 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

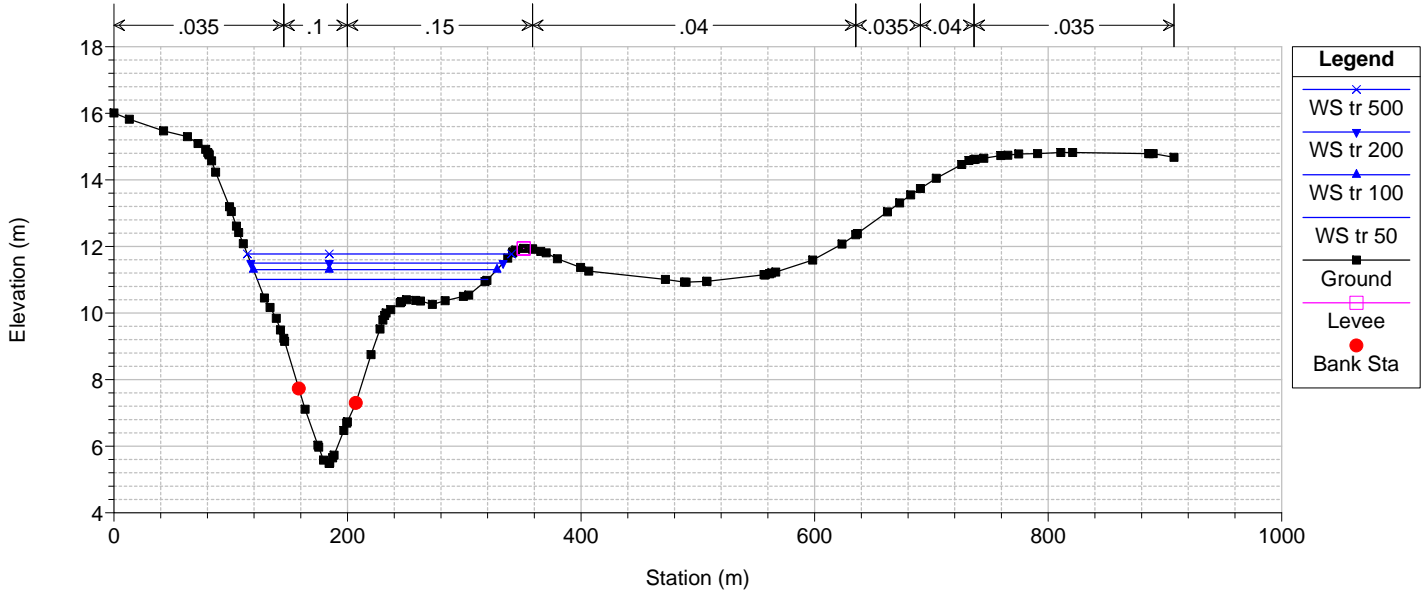
River = Riu Serra Reach = Asta 5 RS = 2996.495 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

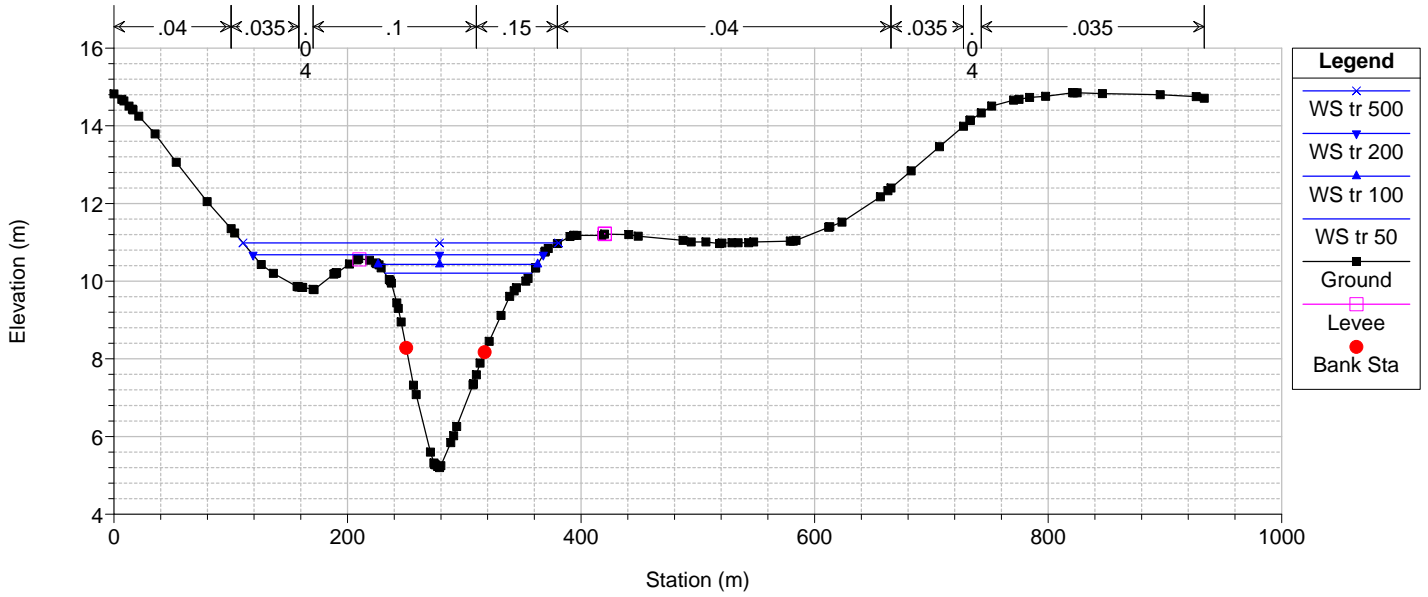
River = Riu Serra Reach = Asta 5 RS = 2913.548 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

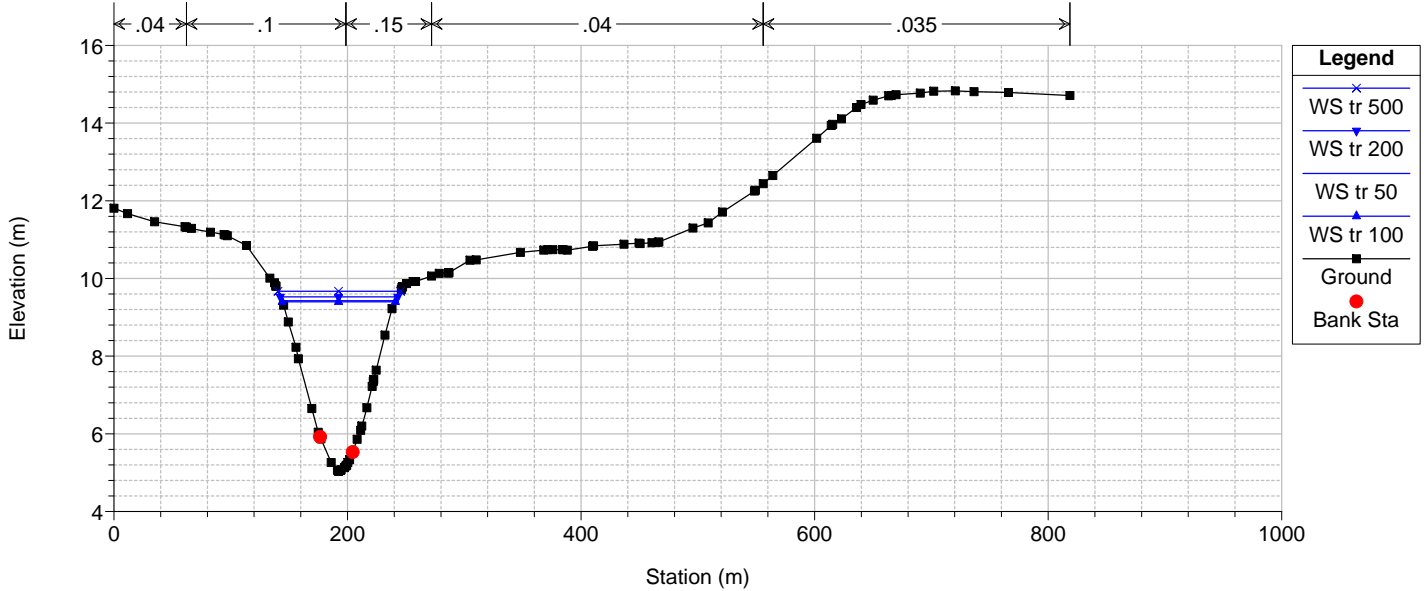
River = Riu Serra Reach = Asta 5 RS = 2773.232 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

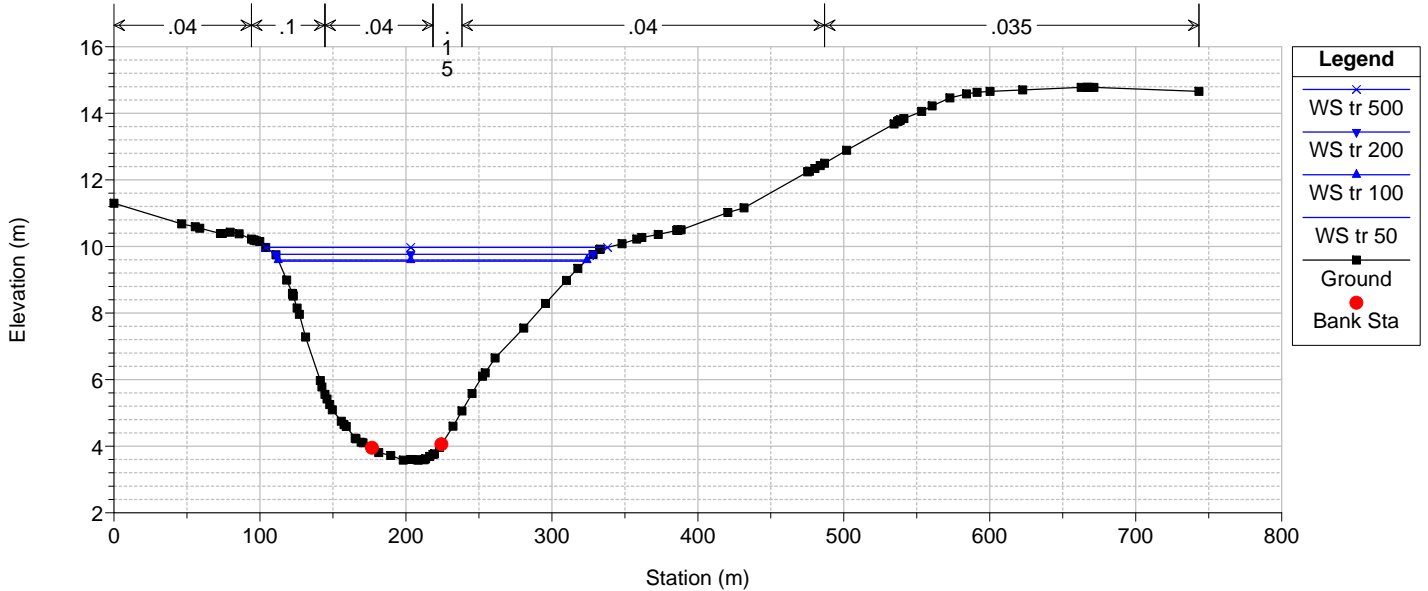
River = Riu Serra Reach = Asta 5 RS = 2703.688 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

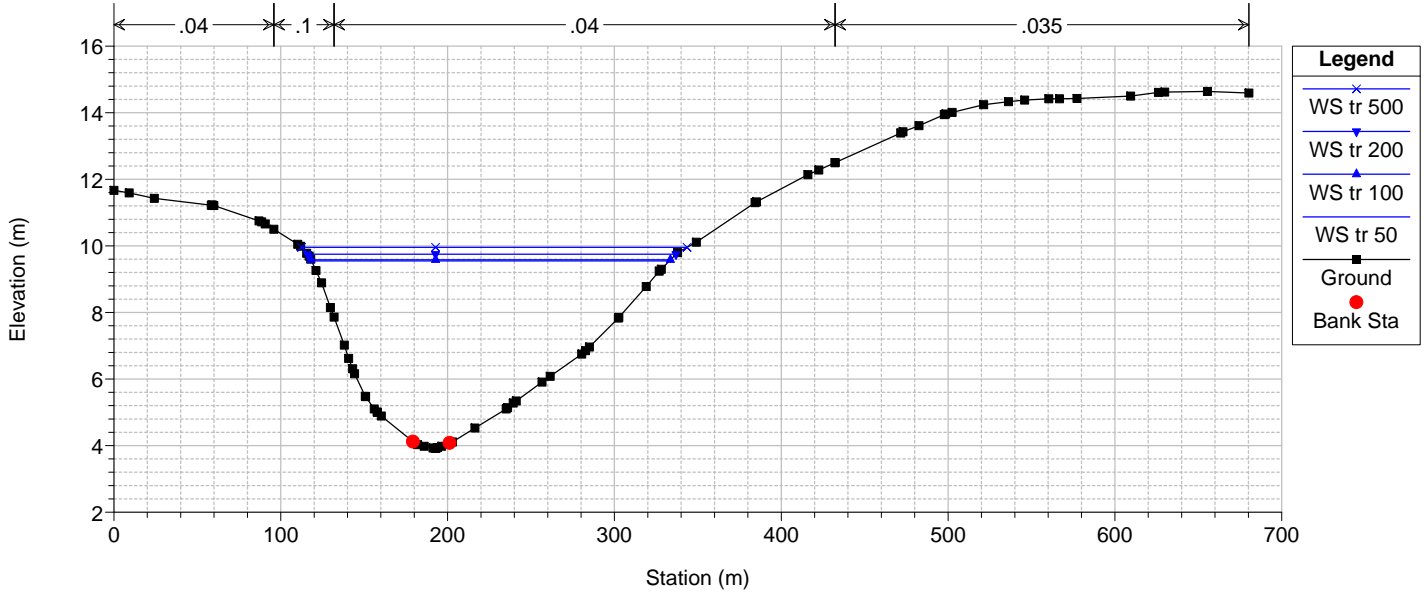
River = Riu Serra Reach = Asta 5 RS = 2593.563 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

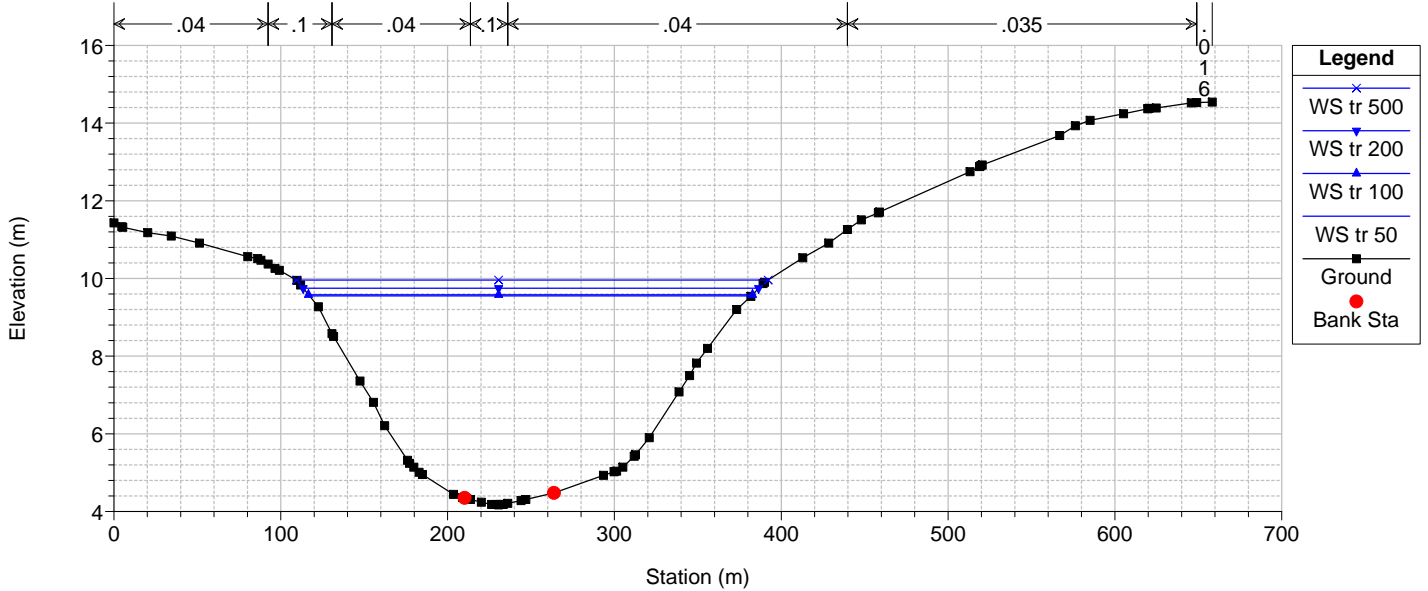
River = Riu Serra Reach = Asta 5 RS = 2517.326 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

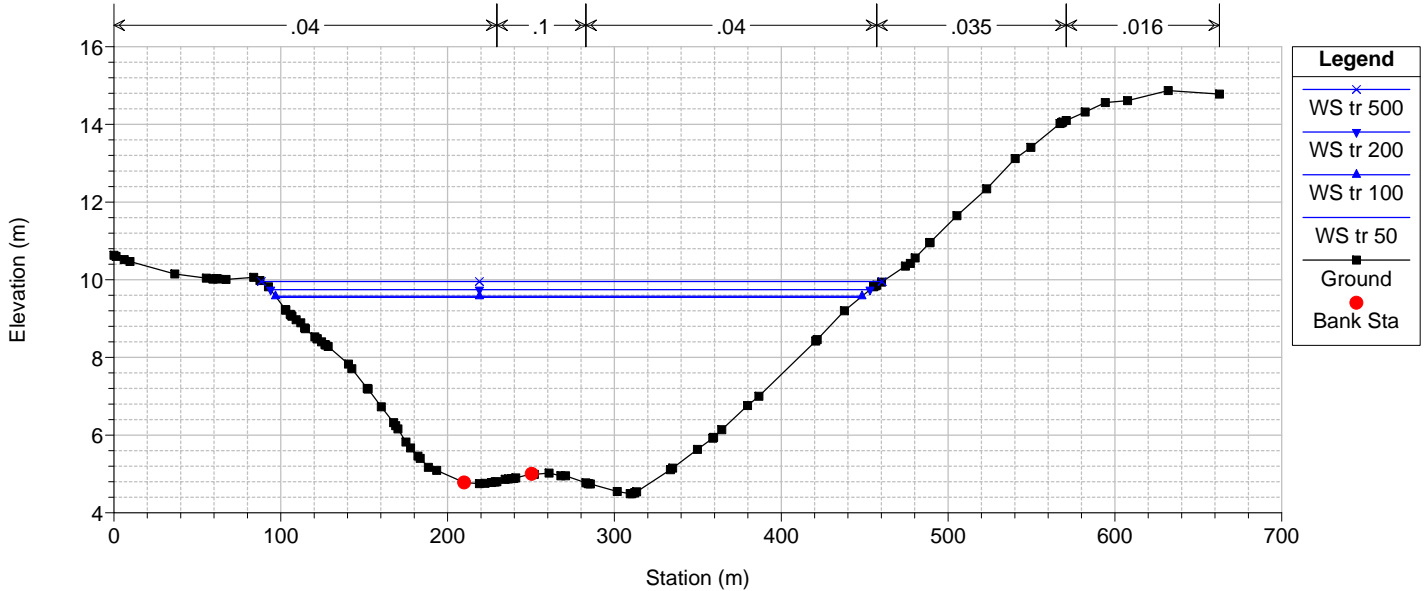
River = Riu Serra Reach = Asta 5 RS = 2451.02 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

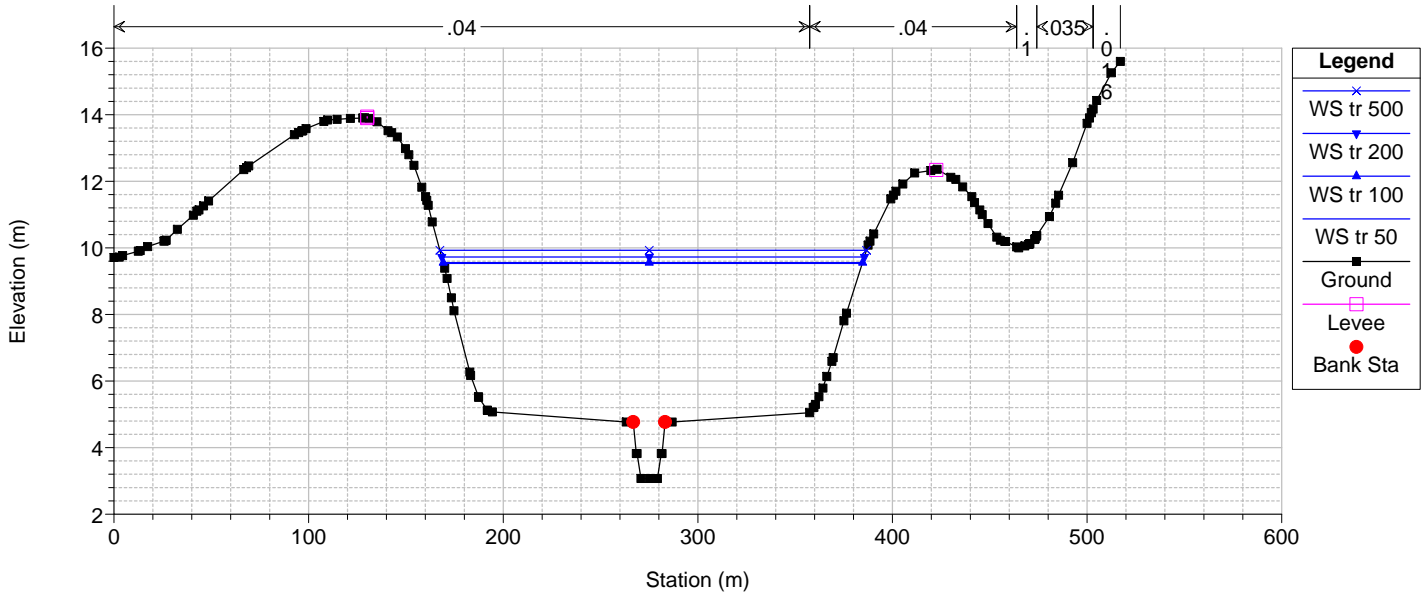
River = Riu Serra Reach = Asta 5 RS = 2371.578 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

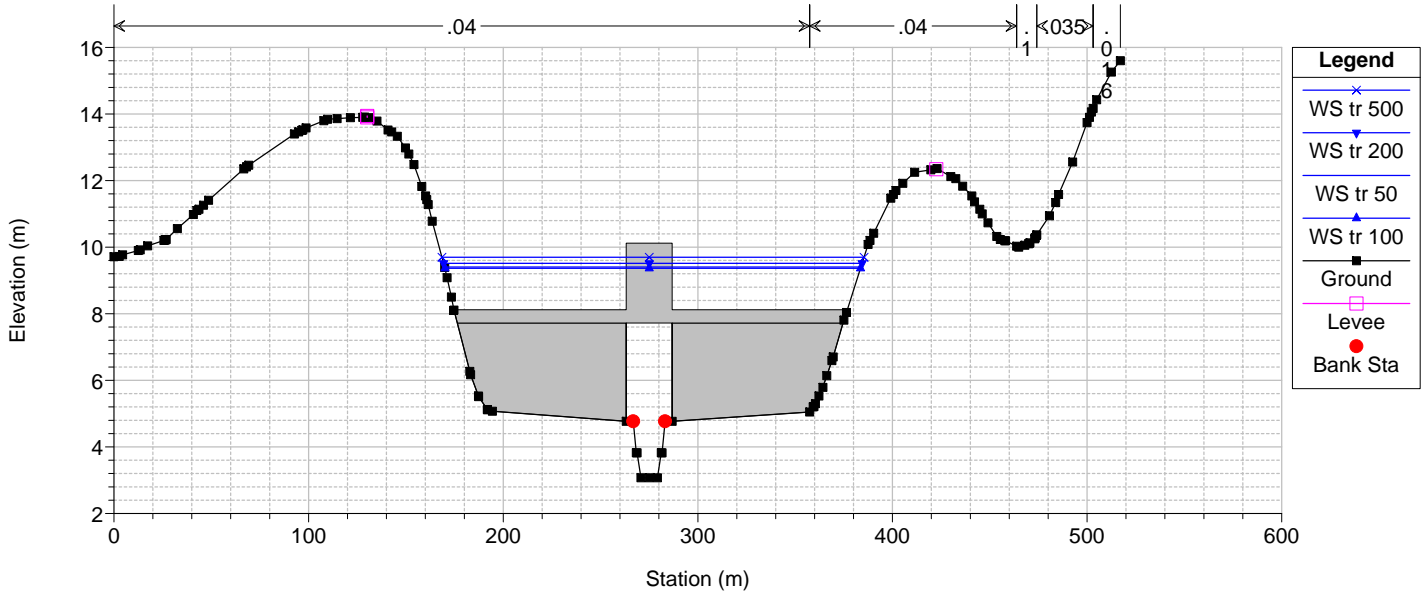
River = Riu Serra Reach = Asta 5 RS = 2300.882 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

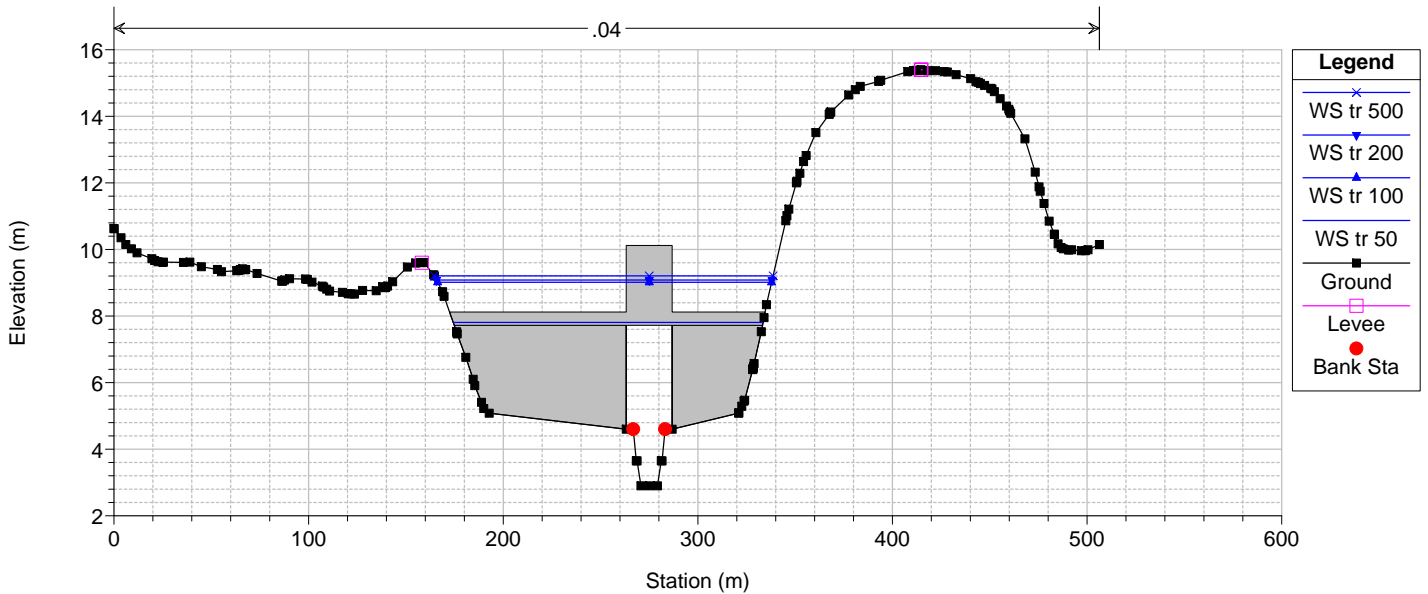
River = Riu Serra Reach = Asta 5 RS = 2269.042 BR COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

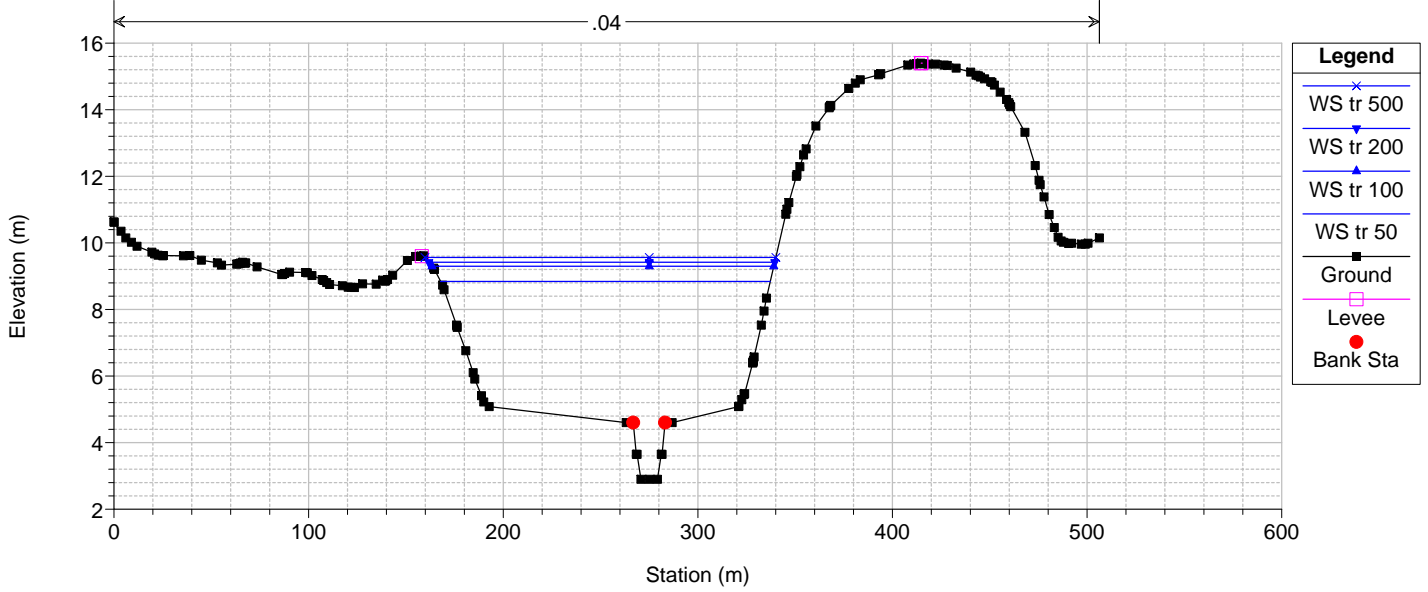
River = Riu Serra Reach = Asta 5 RS = 2269.042 BR COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

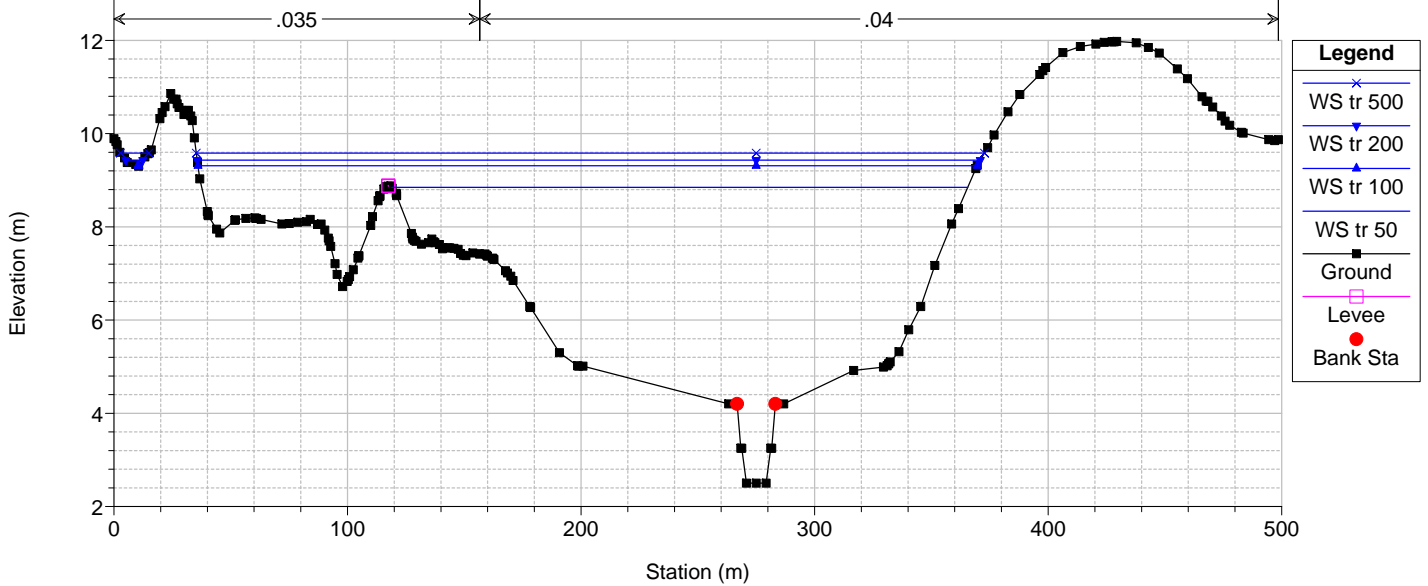
River = Riu Serra Reach = Asta 5 RS = 2239.005 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

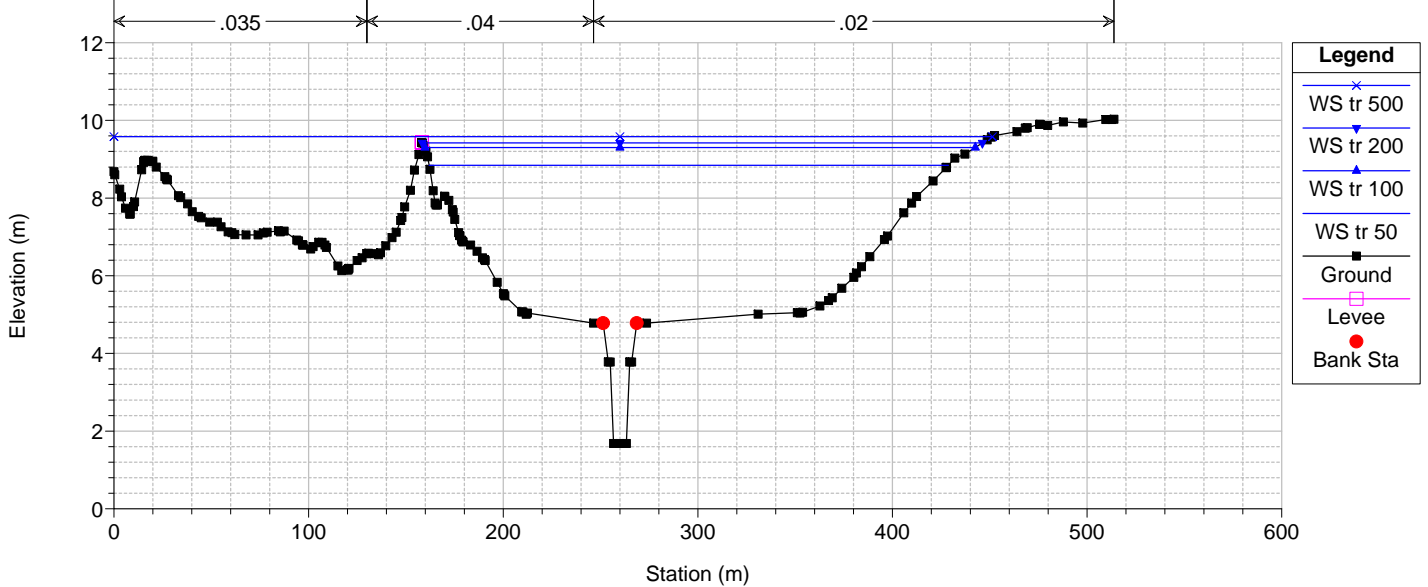
River = Riu Serra Reach = Asta 5 RS = 2212.591 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

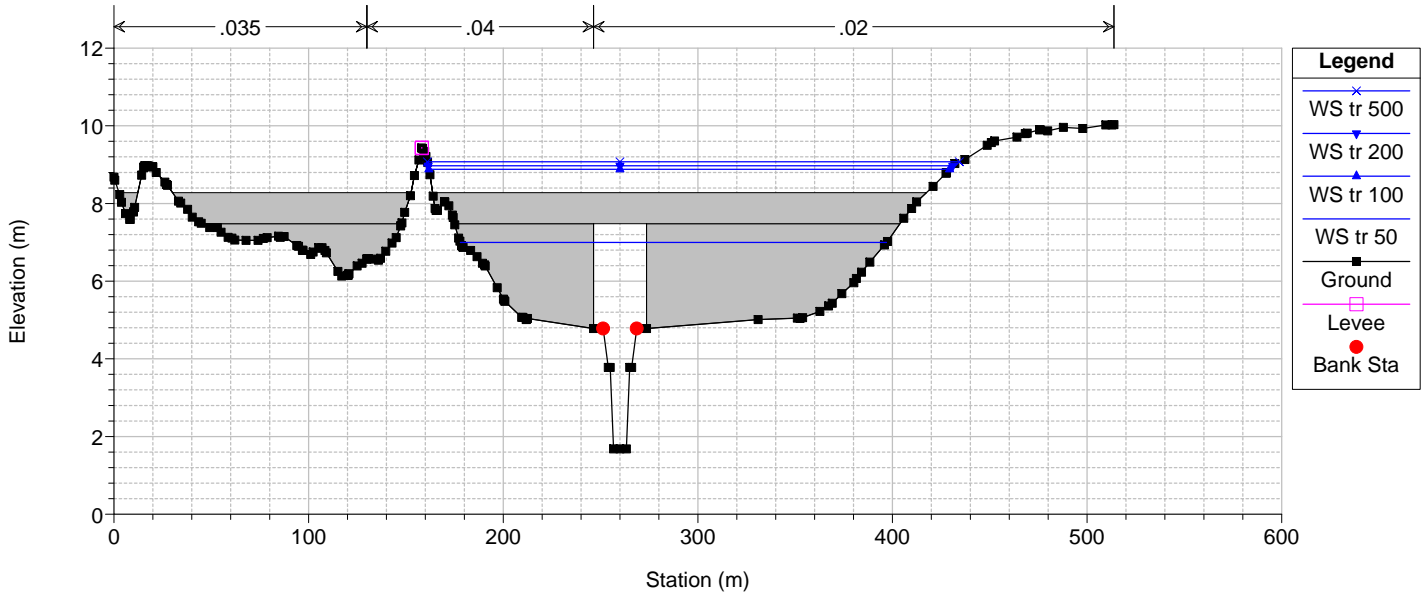
River = Riu Serra Reach = Asta 5 RS = 2178.839 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

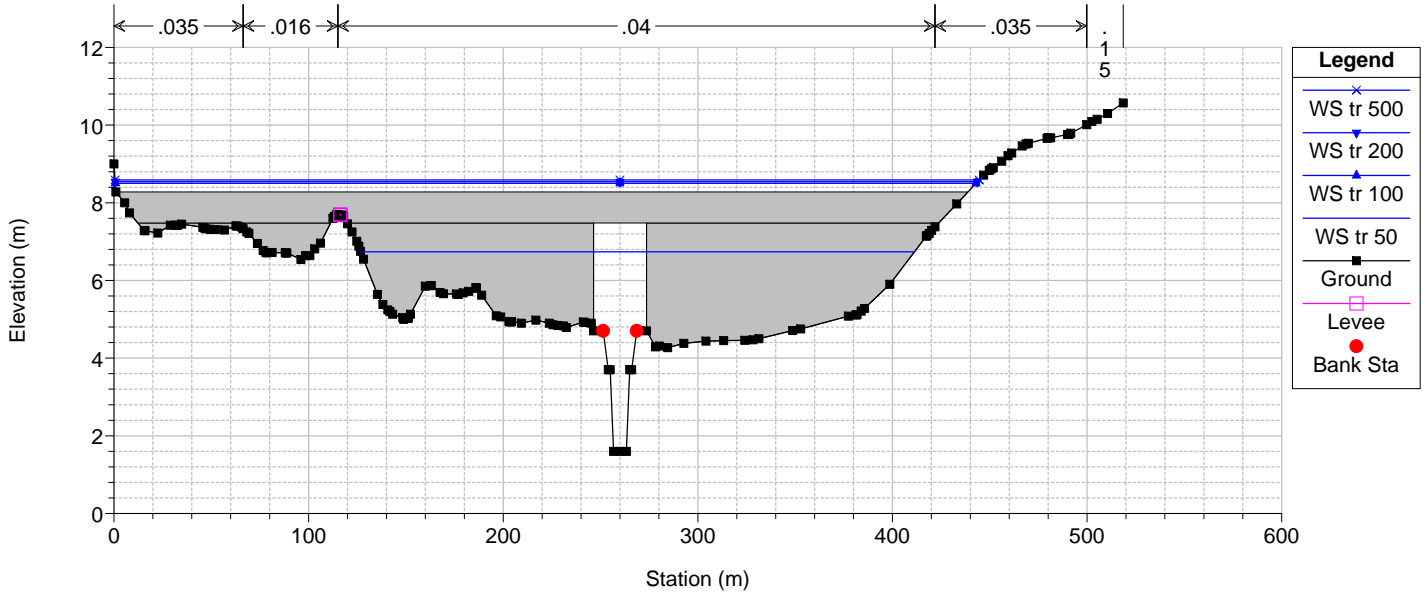
River = Riu Serra Reach = Asta 5 RS = 2163.072 BR COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

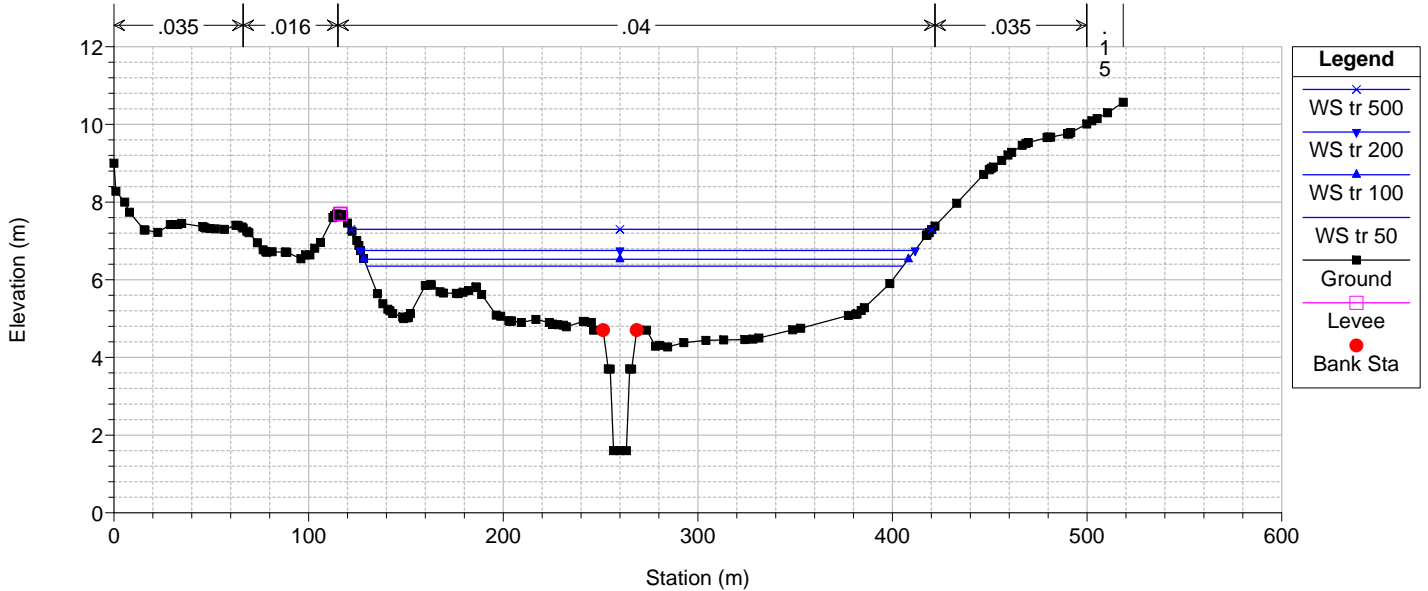
River = Riu Serra Reach = Asta 5 RS = 2163.072 BR COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

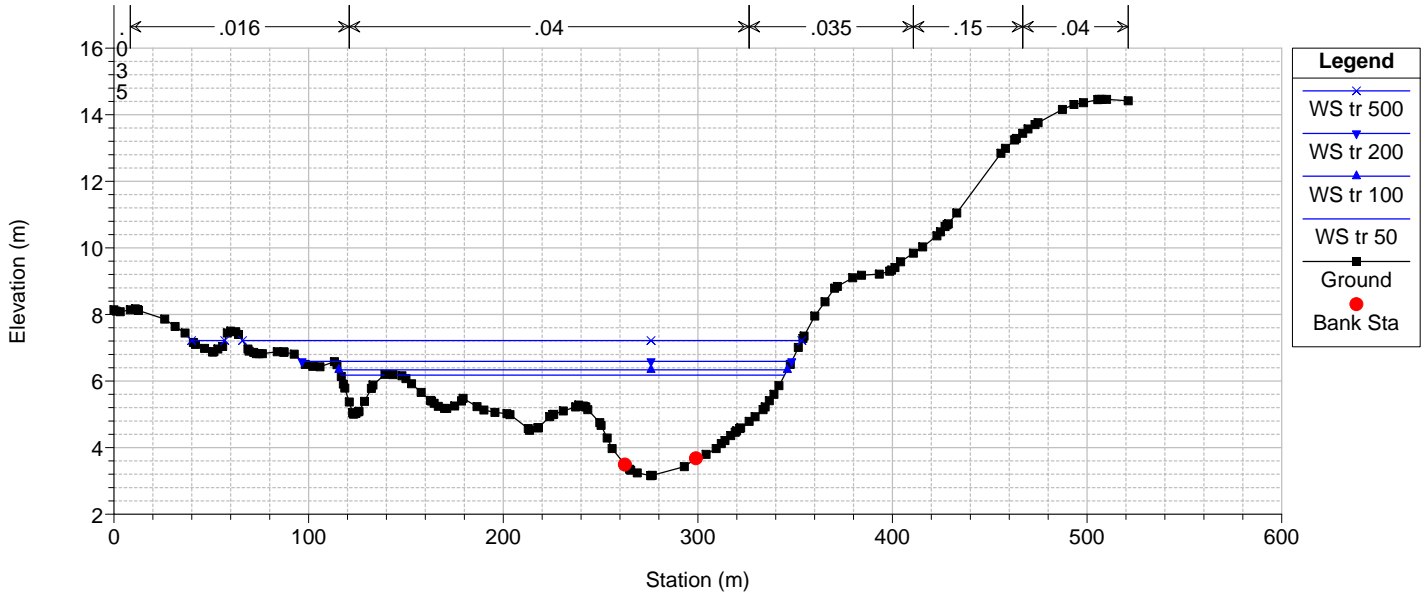
River = Riu Serra Reach = Asta 5 RS = 2136.69 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

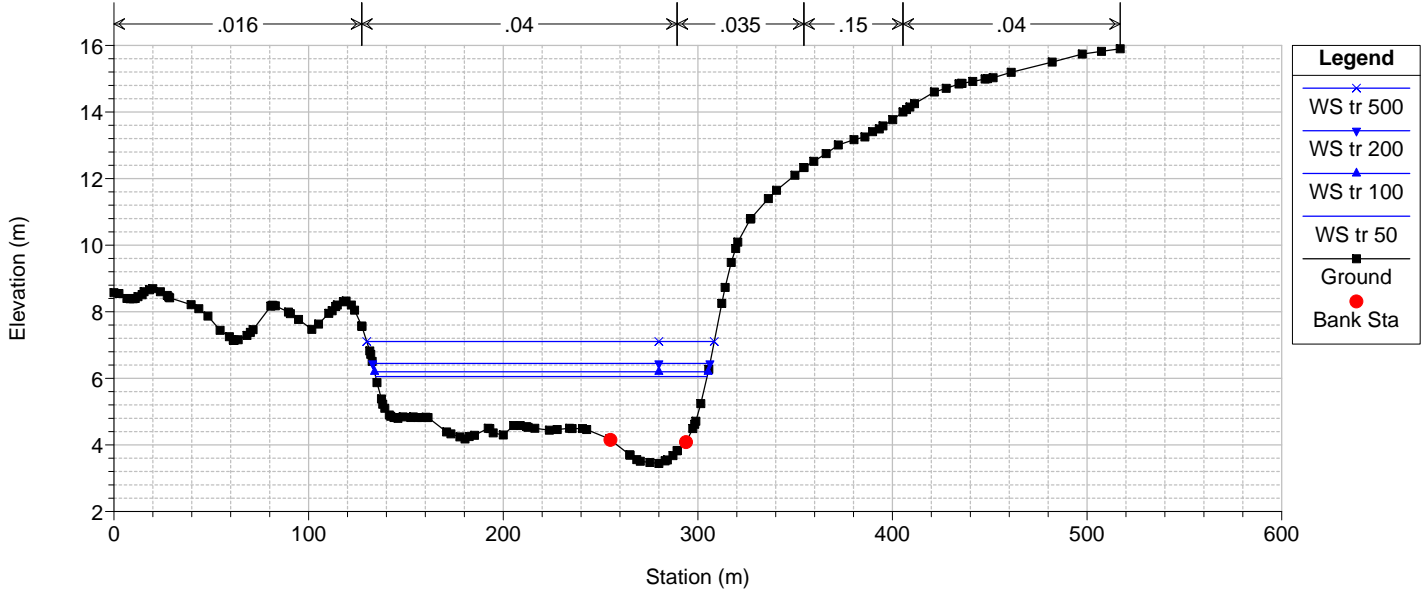
River = Riu Serra Reach = Asta 5 RS = 2074.004 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

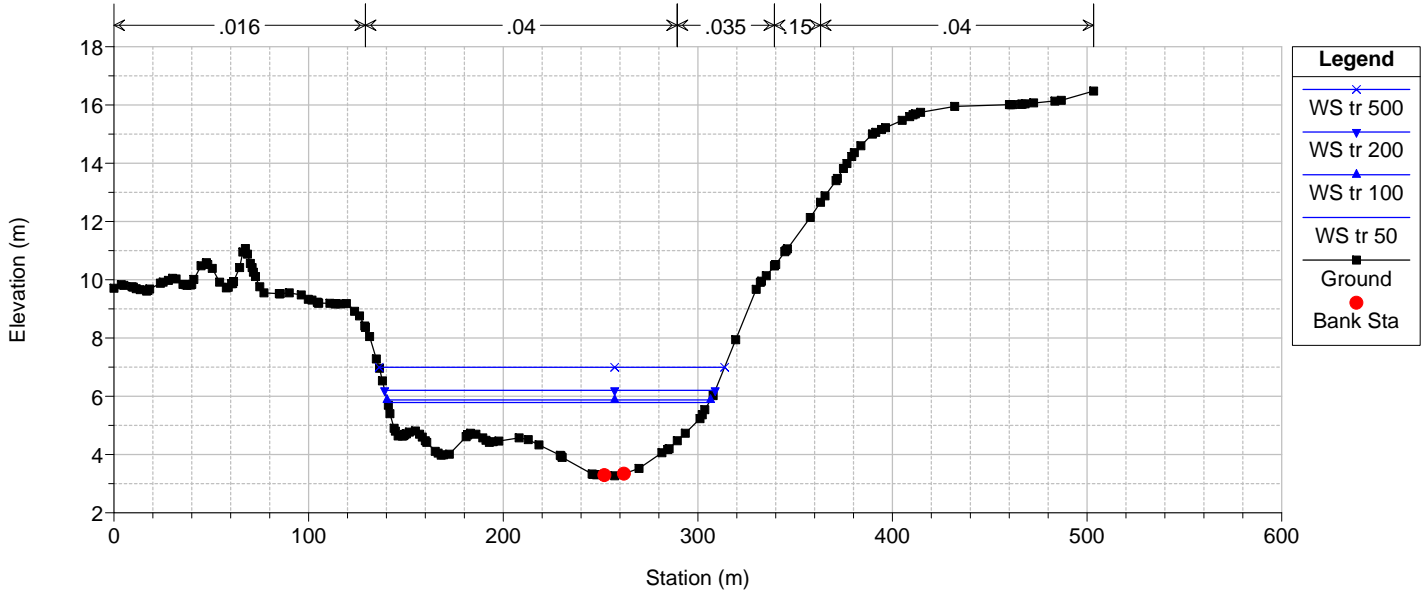
River = Riu Serra Reach = Asta 5 RS = 2020.476 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

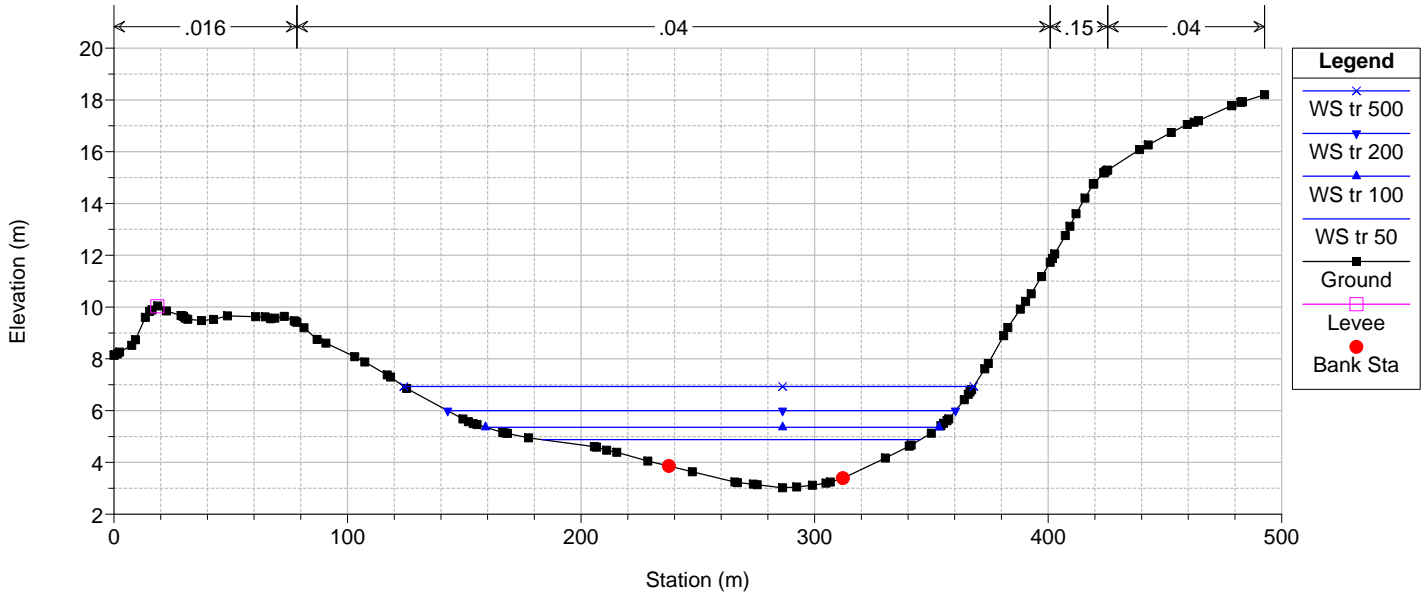
River = Riu Serra Reach = Asta 5 RS = 1932 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

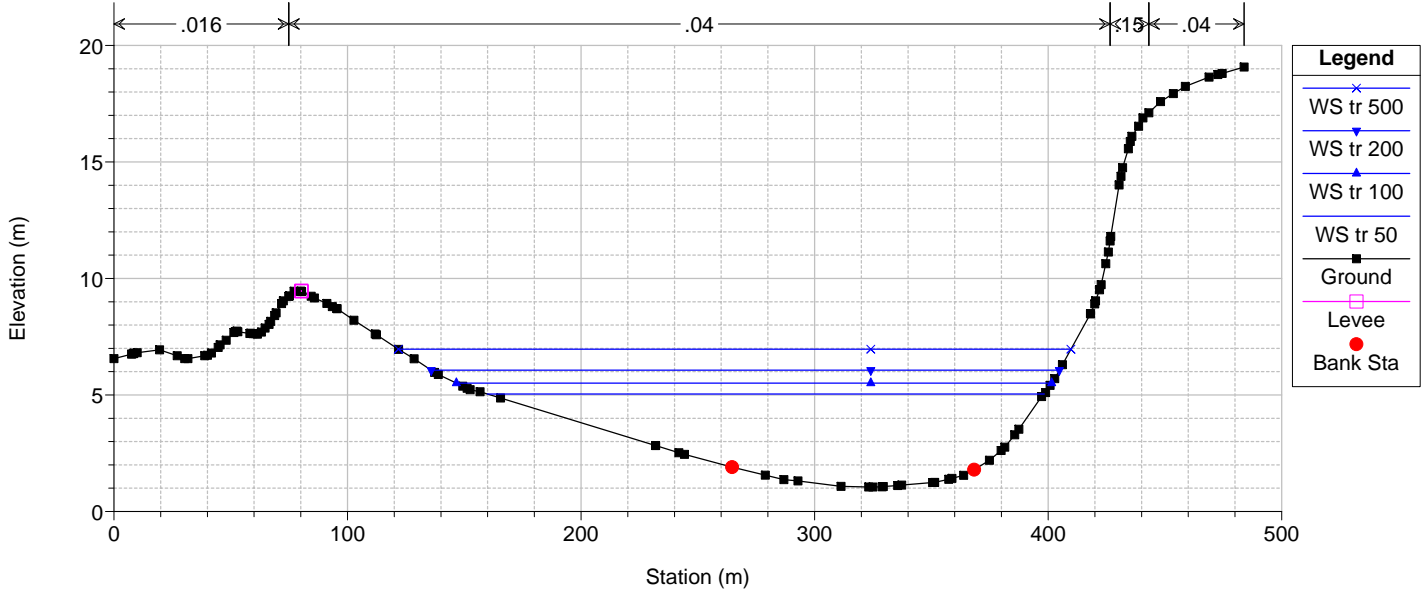
River = Riu Serra Reach = Asta 5 RS = 1834.316 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

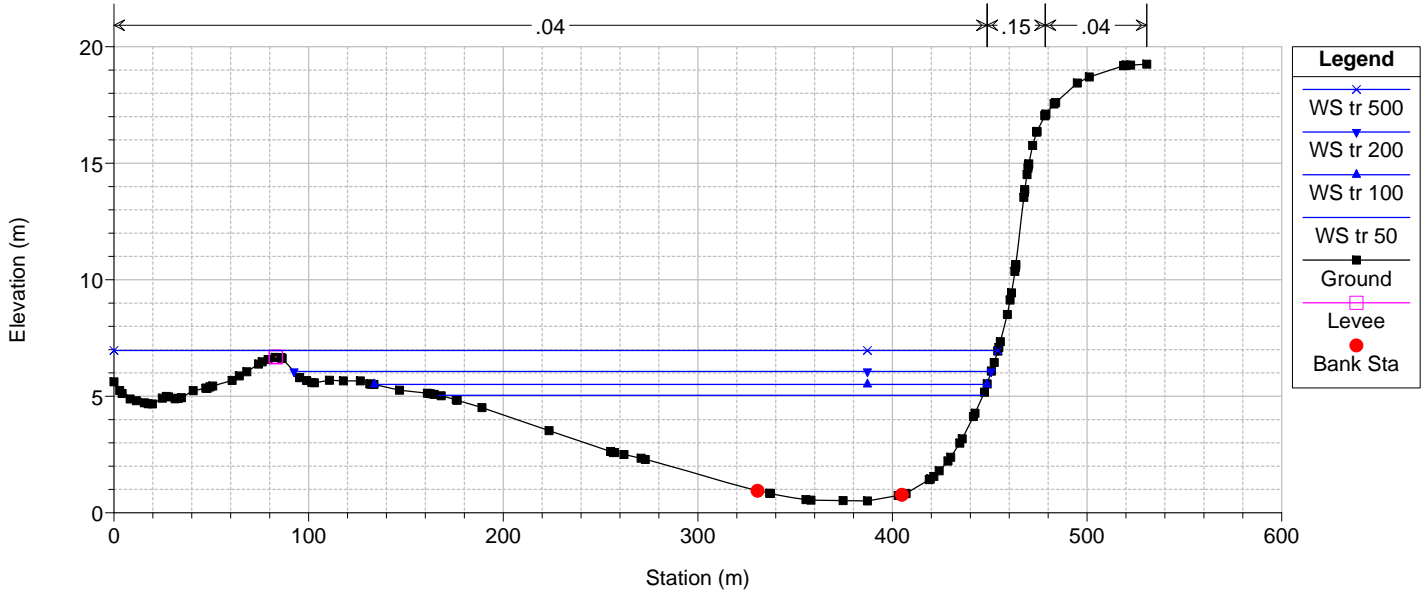
River = Riu Serra Reach = Asta 5 RS = 1737.41 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

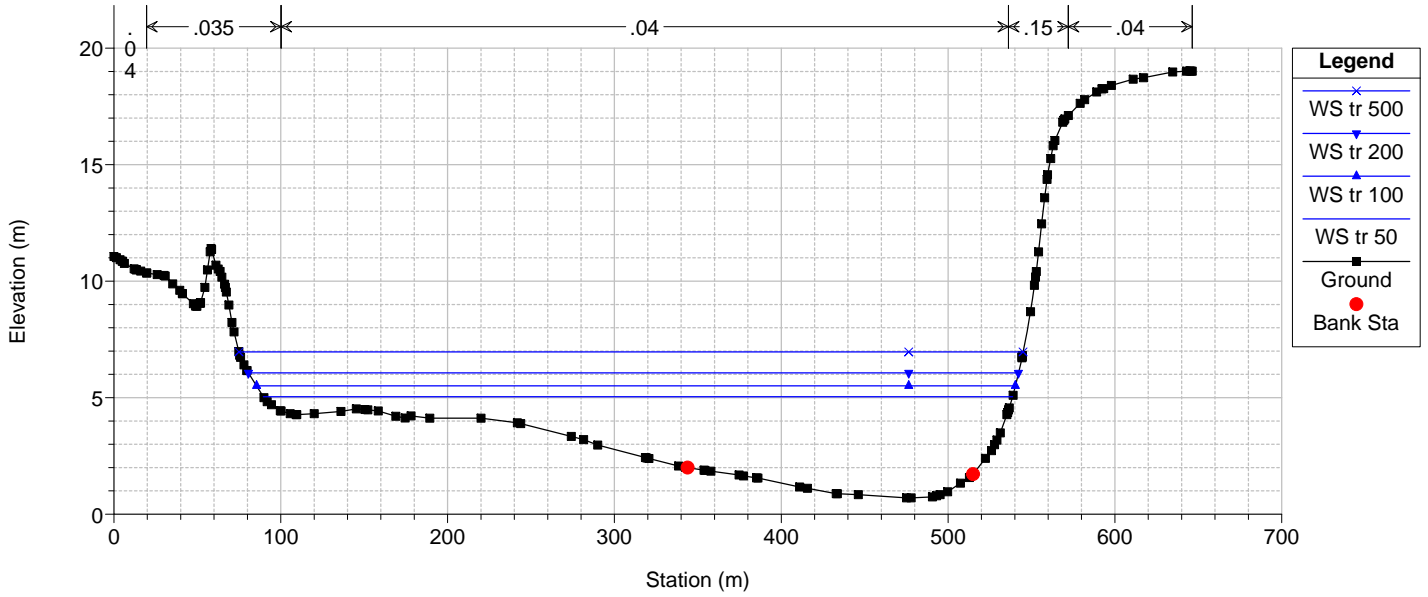
River = Riu Serra Reach = Asta 5 RS = 1662.837 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

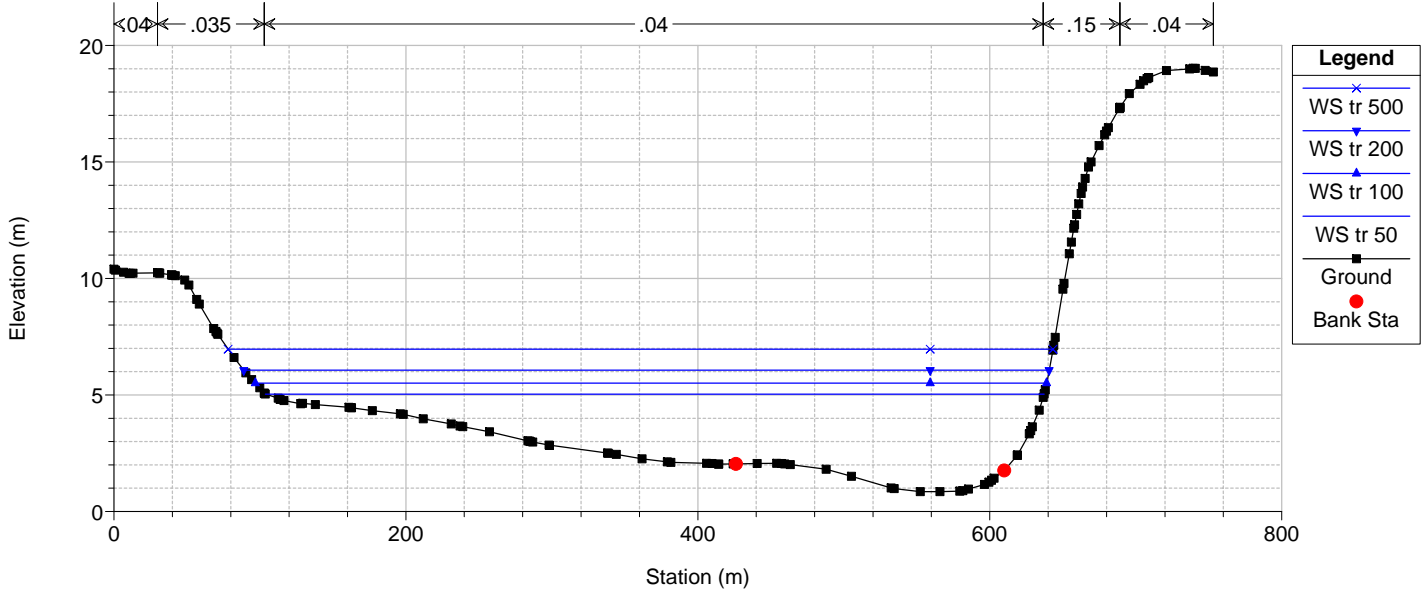
River = Riu Serra Reach = Asta 5 RS = 1591.515 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

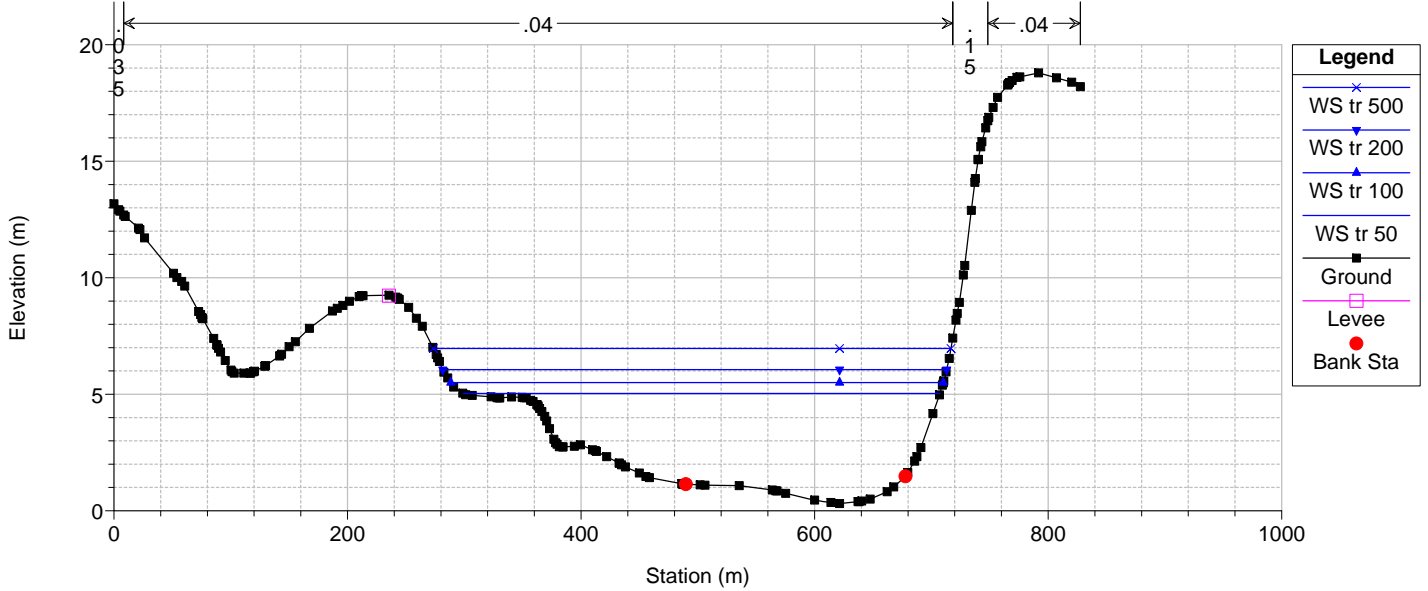
River = Riu Serra Reach = Asta 5 RS = 1508.89 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

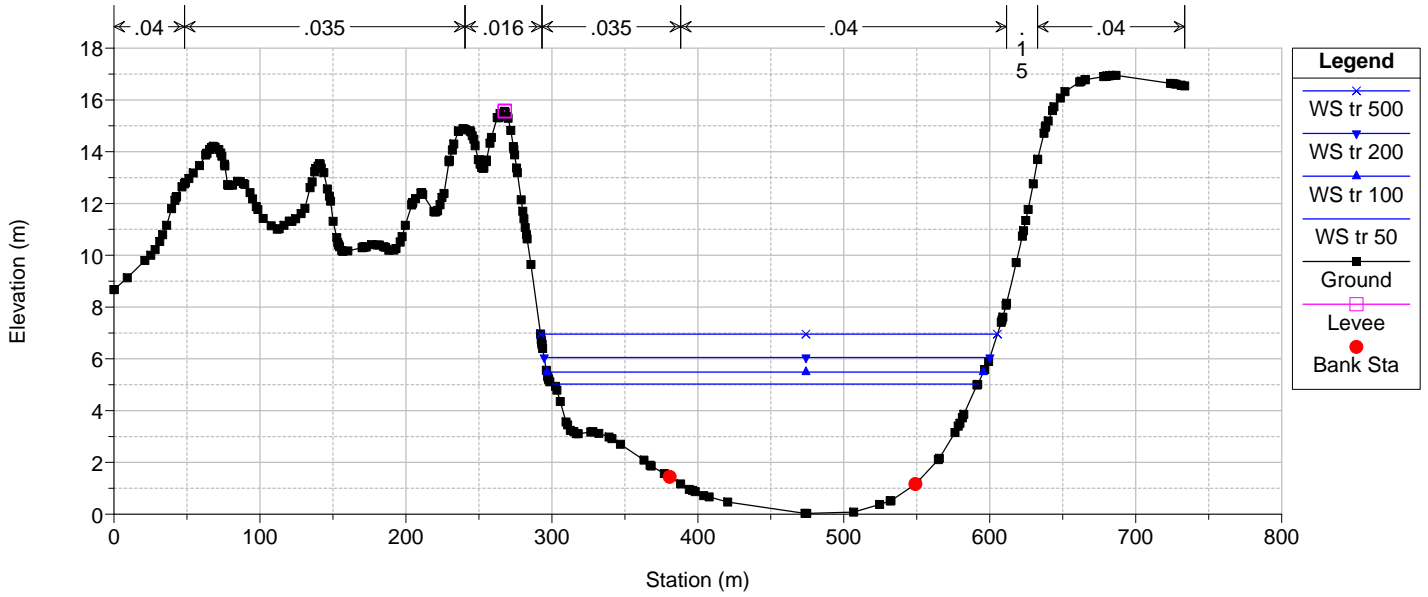
River = Riu Serra Reach = Asta 5 RS = 1426.933 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

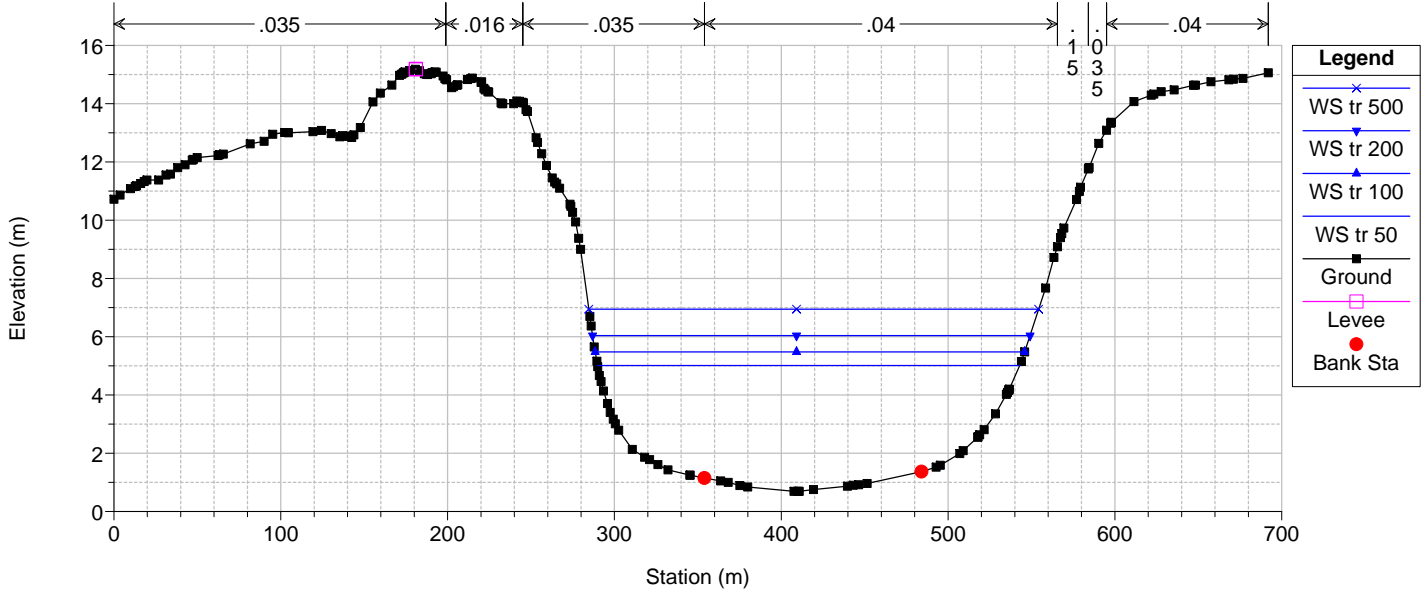
River = Riu Serra Reach = Asta 5 RS = 1341.355 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

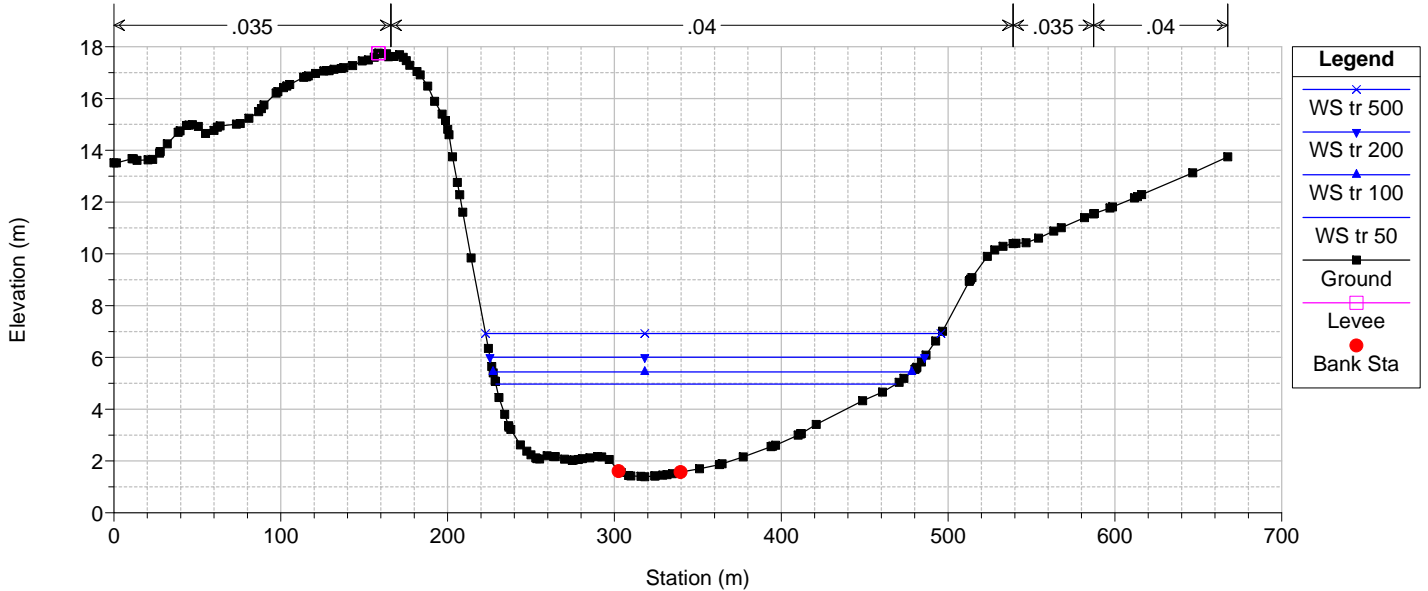
River = Riu Serra Reach = Asta 5 RS = 1273.128 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

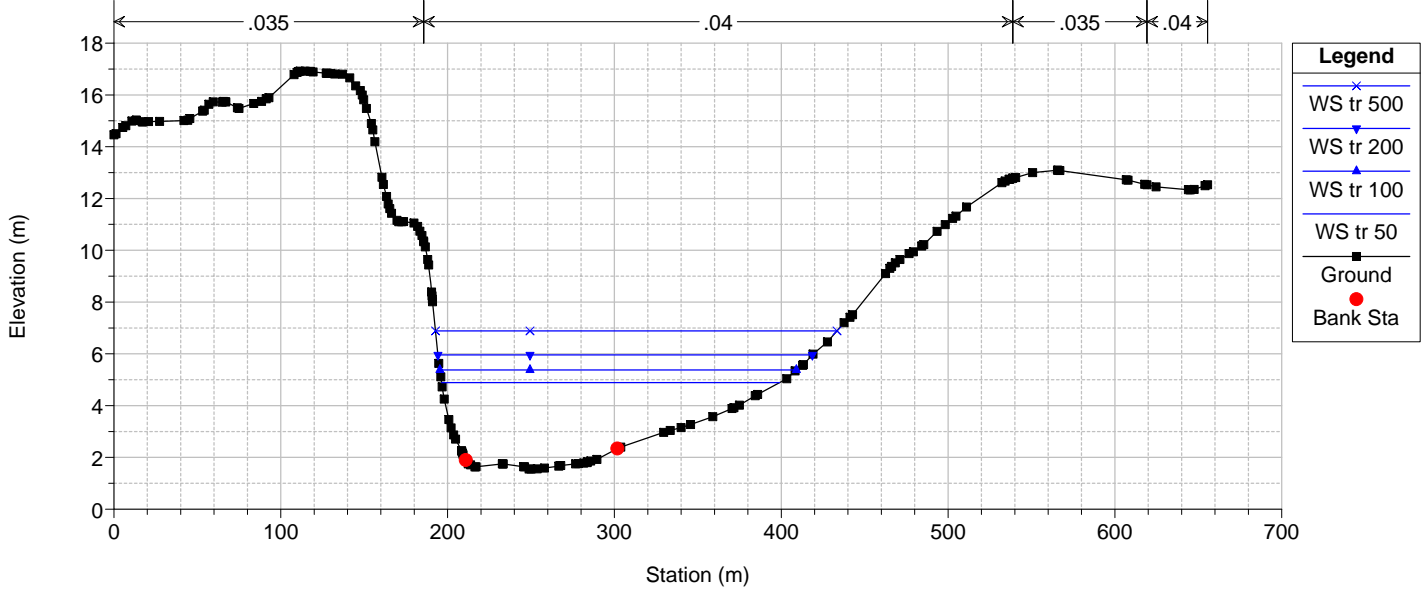
River = Riu Serra Reach = Asta 5 RS = 1169.528 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

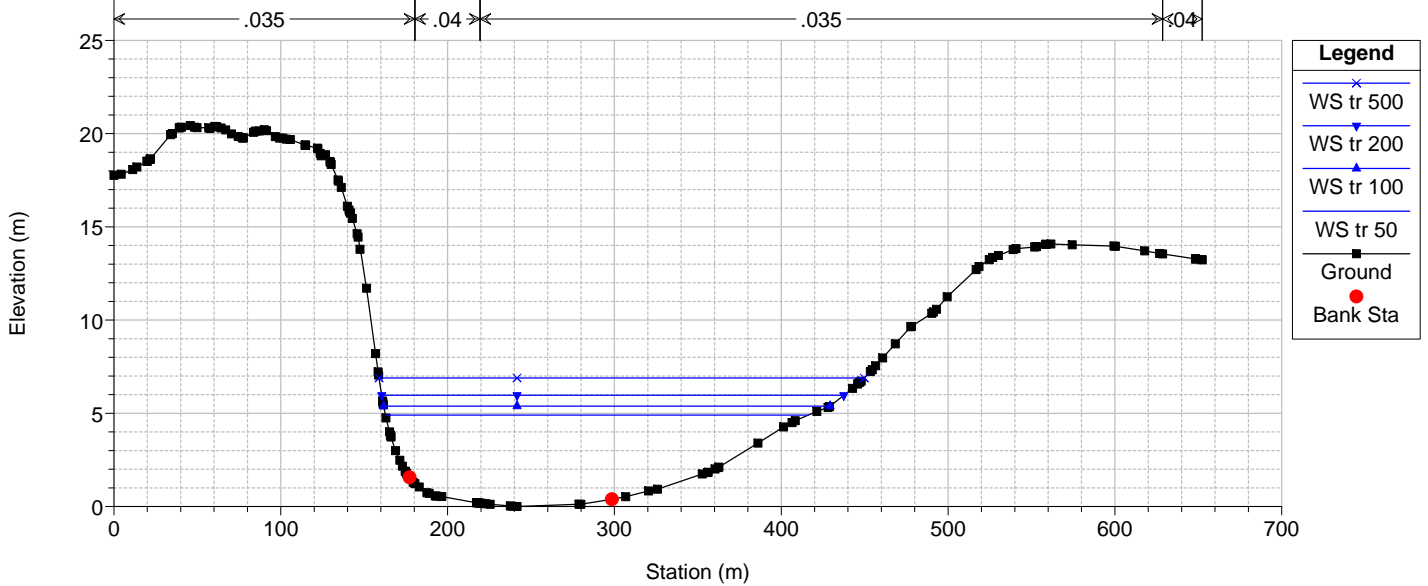
River = Riu Serra Reach = Asta 5 RS = 1080.263 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

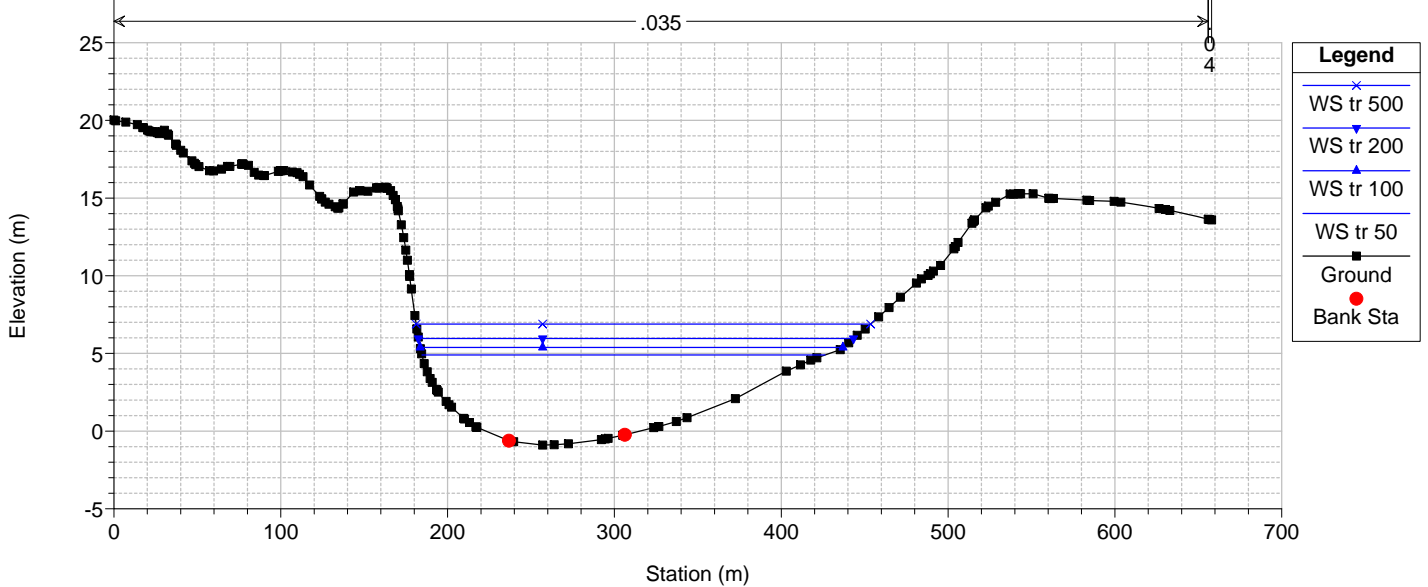
River = Riu Serra Reach = Asta 5 RS = 897.1031 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

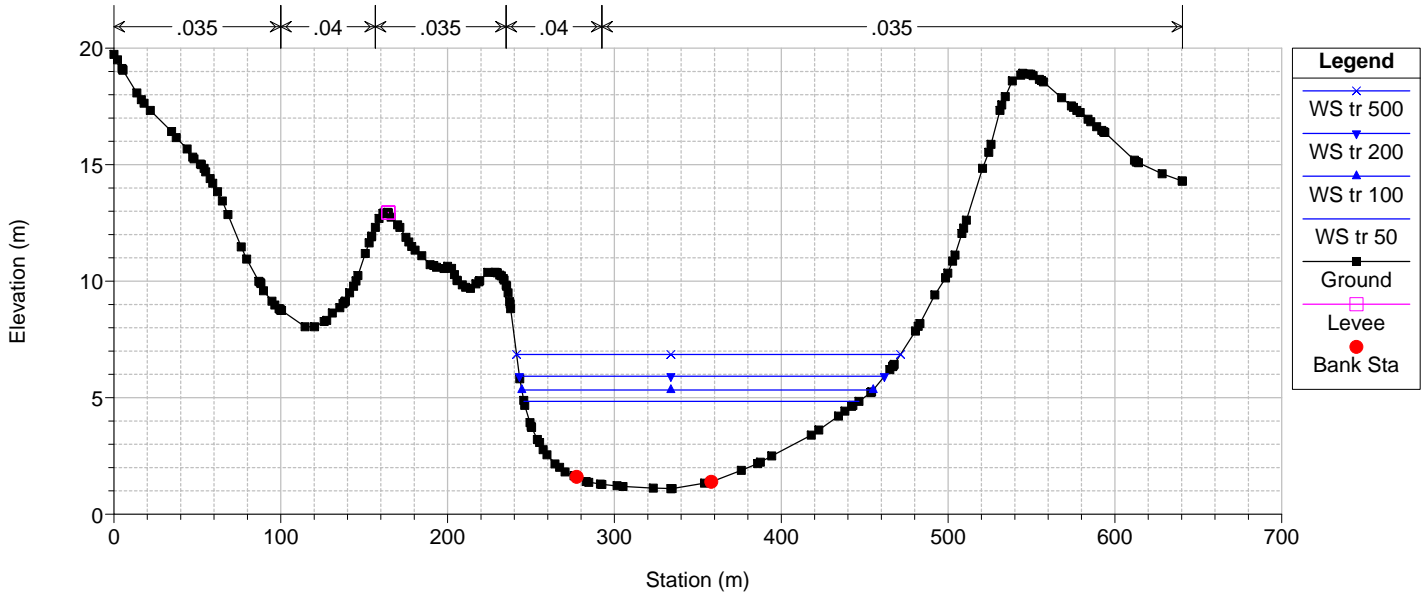
River = Riu Serra Reach = Asta 5 RS = 788.1014 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

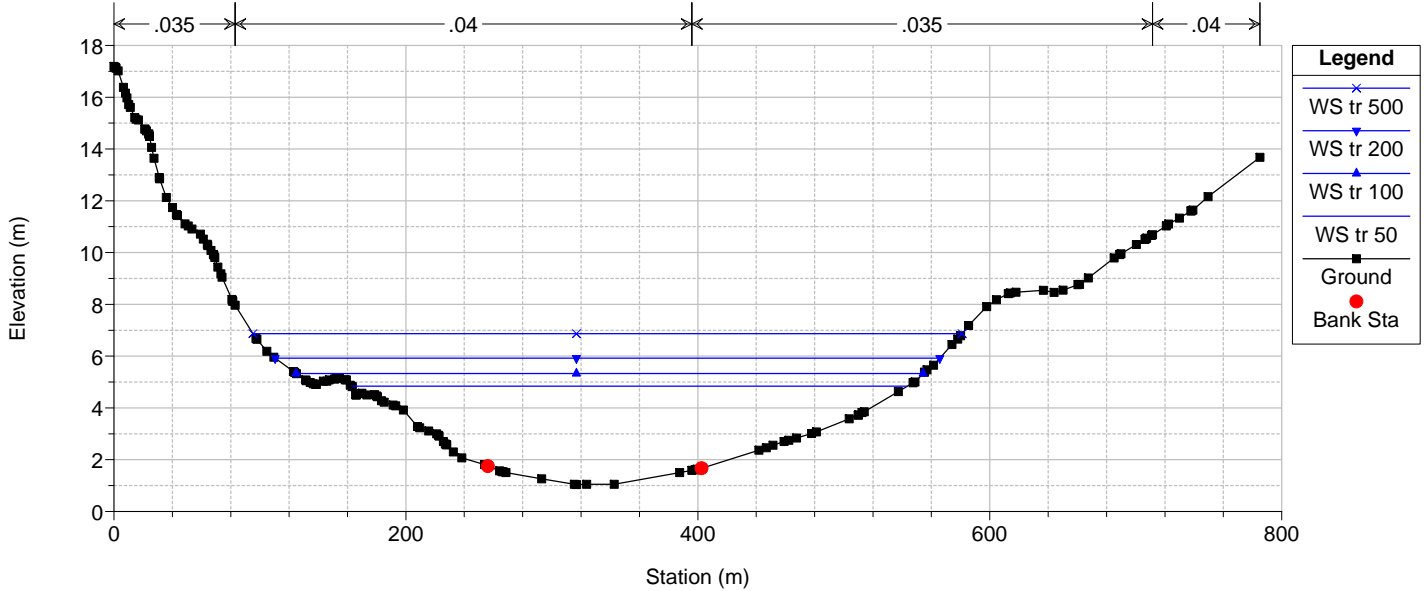
River = Riu Serra Reach = Asta 5 RS = 649.996 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

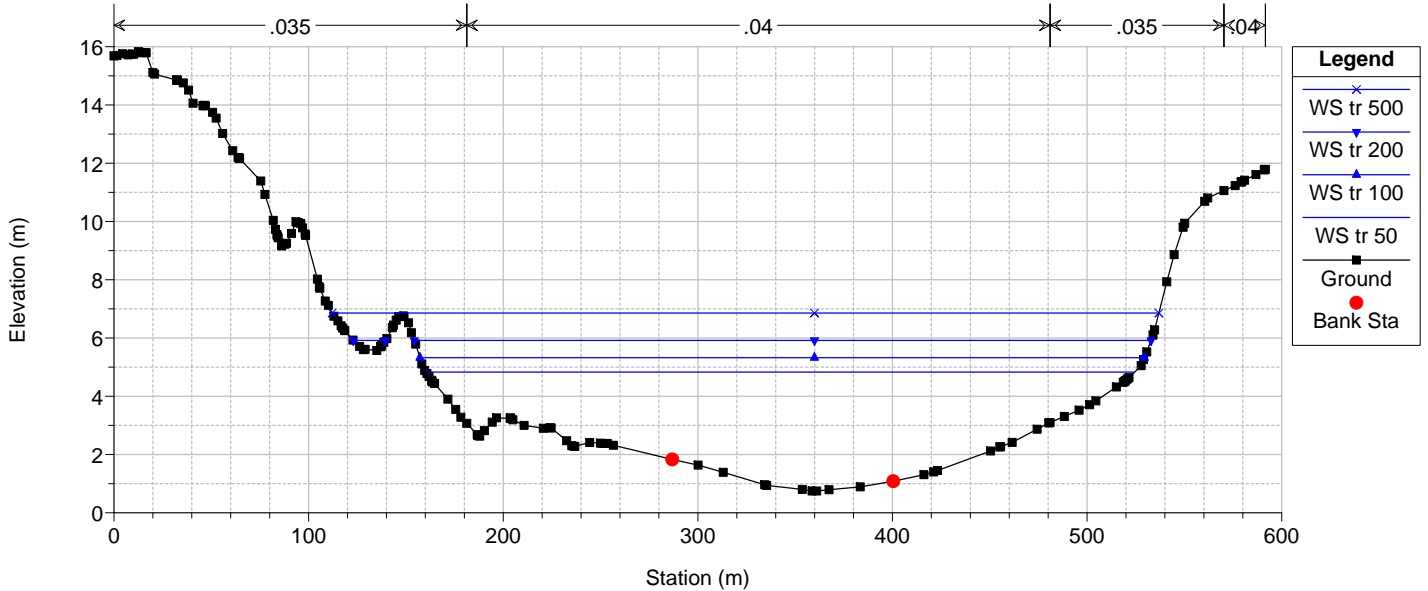
River = Riu Serra Reach = Asta 5 RS = 488.7593 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

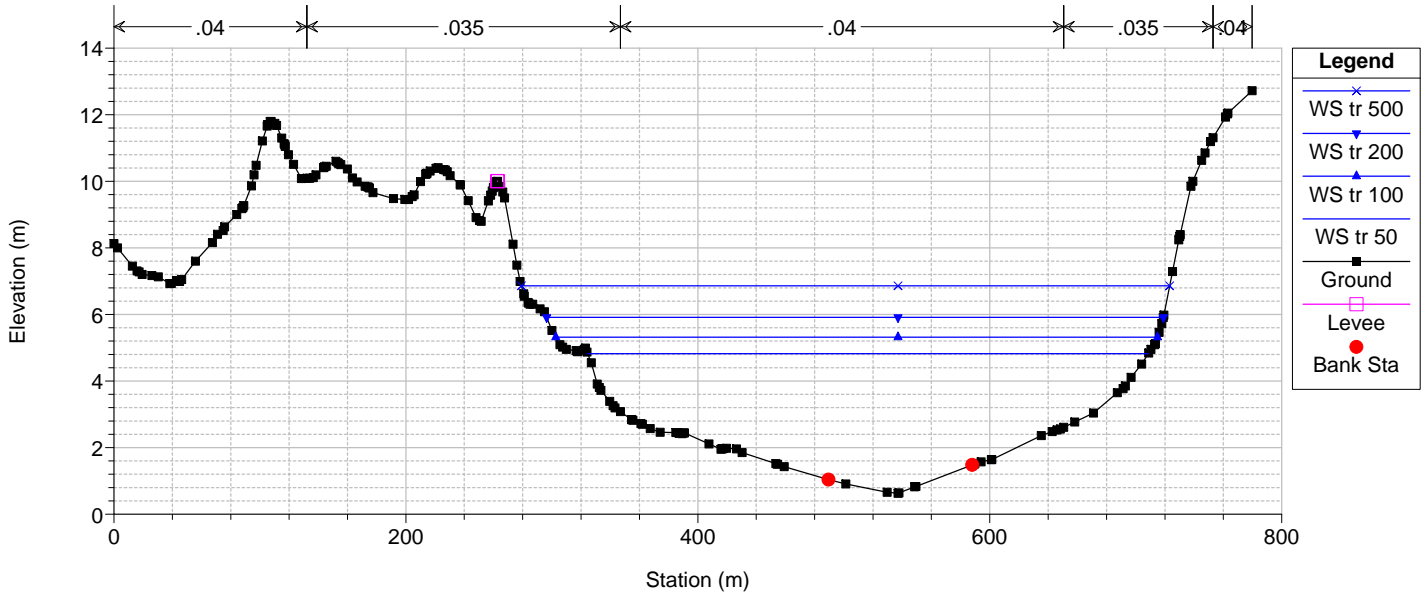
River = Riu Serra Reach = Asta 5 RS = 377.6013 COMUNE DI ALGERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

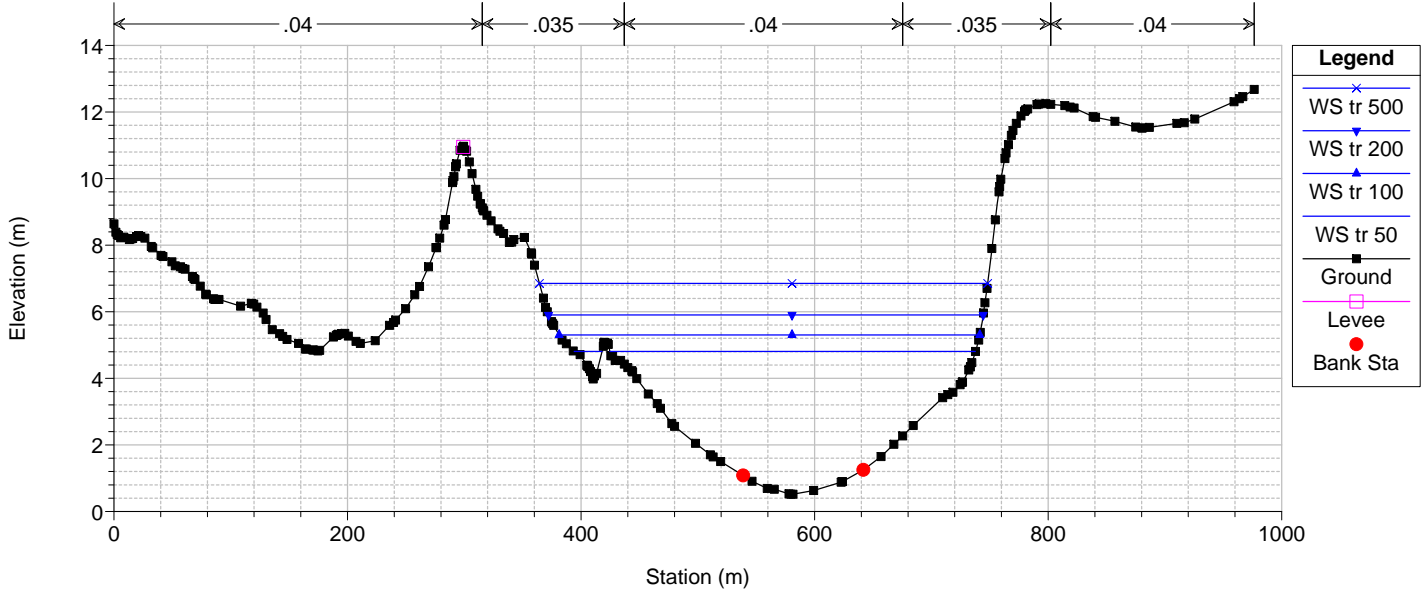
River = Riu Serra Reach = Asta 5 RS = 300.1948 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

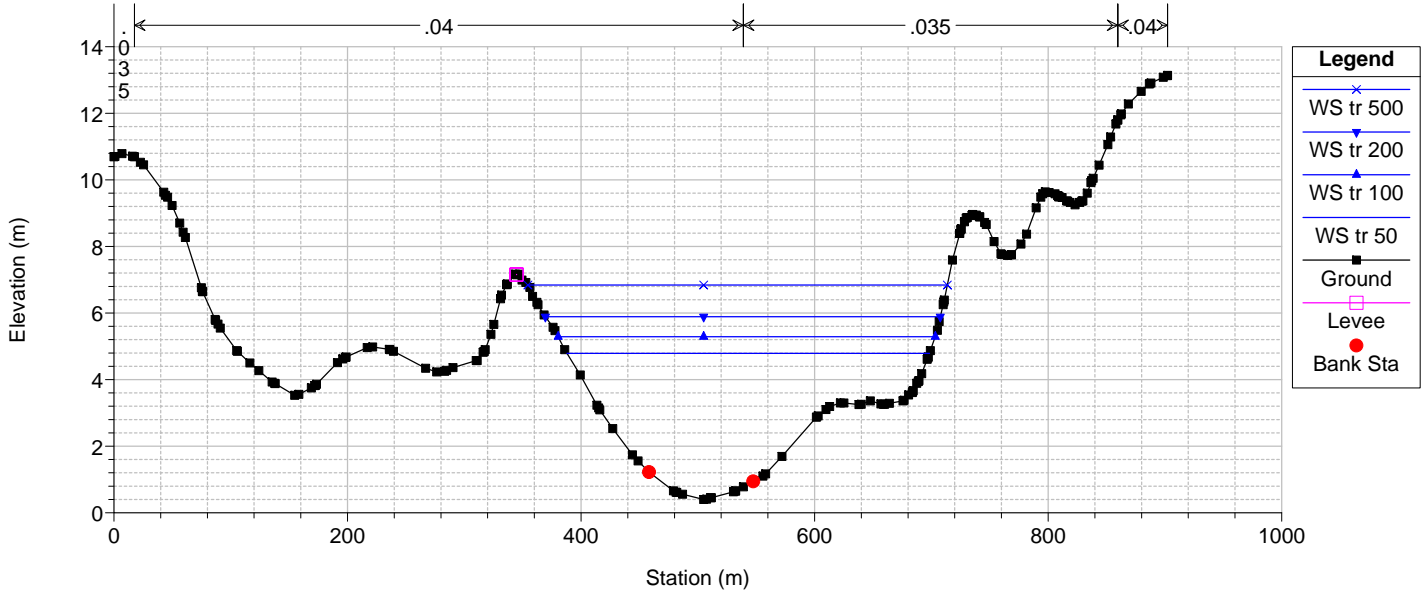
River = Riu Serra Reach = Asta 5 RS = 220.3344 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

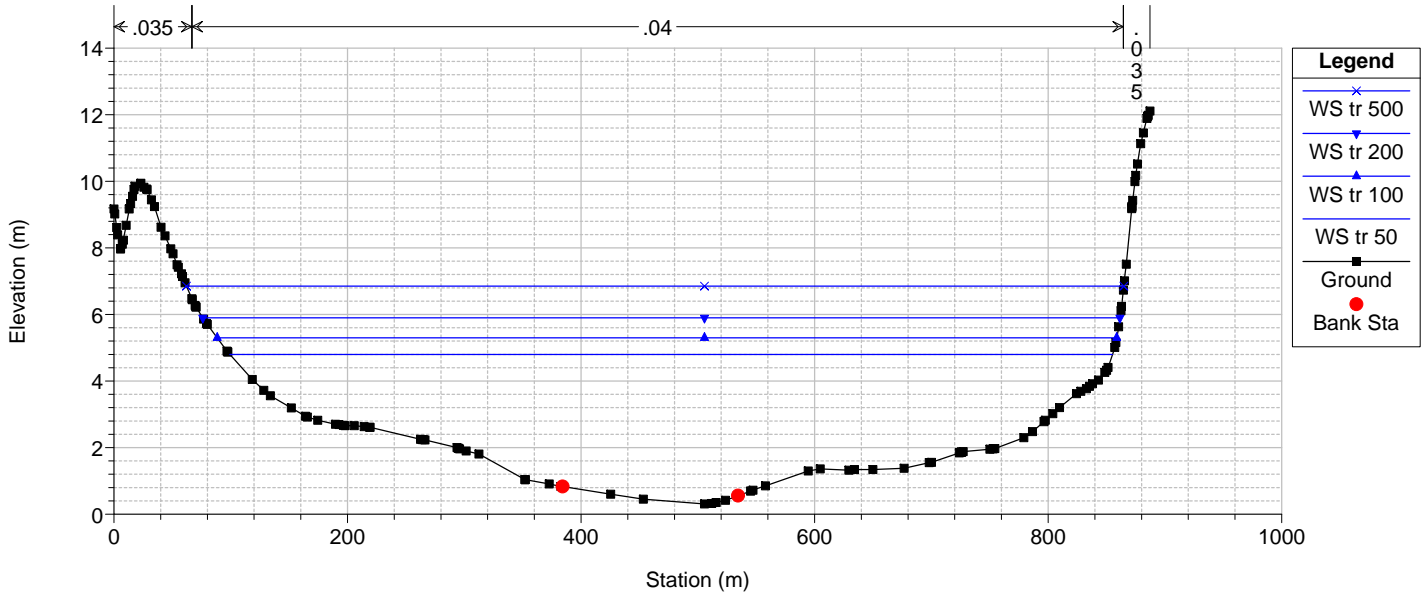
River = Riu Serra Reach = Asta 5 RS = 121.8444 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



rioserra_28092017 Plan: Plan 01 9/29/2017

Geom: rioserra_28092017 Flow: rioserra_28092017

River = Riu Serra Reach = Asta 5 RS = 38.38481 COMUNE DI ALGHERO (SS) - STUDIO DI COMPATIBILITA' IDRAULICA ART. 8 C.2



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
Asta 5	2136.69	tr 50	505.34	1.60	6.35	5.62	6.44	0.001311	1.92	408.02	275.70	0.33
Asta 5	2136.69	tr 100	598.15	1.60	6.53	5.73	6.63	0.001313	1.98	456.97	279.75	0.33
Asta 5	2136.69	tr 200	691.46	1.60	6.76	5.76	6.86	0.001182	1.96	521.54	284.97	0.32
Asta 5	2136.69	tr 500	815.24	1.60	7.30	5.98	7.38	0.000742	1.69	680.12	298.59	0.26
Asta 5	2074.004	tr 50	505.34	3.16	6.18		6.34	0.001920	2.20	316.97	221.32	0.42
Asta 5	2074.004	tr 100	598.15	3.16	6.34		6.52	0.002017	2.34	354.04	230.49	0.43
Asta 5	2074.004	tr 200	691.46	3.16	6.59		6.76	0.001725	2.28	414.44	251.59	0.40
Asta 5	2074.004	tr 500	815.24	3.16	7.22		7.33	0.000872	1.83	588.17	304.35	0.30
Asta 5	2020.476	tr 50	505.34	3.44	6.05		6.23	0.002321	2.17	286.10	170.34	0.45
Asta 5	2020.476	tr 100	598.15	3.44	6.19		6.40	0.002522	2.35	310.10	171.45	0.47
Asta 5	2020.476	tr 200	691.46	3.44	6.45		6.65	0.002224	2.35	353.64	173.35	0.45
Asta 5	2020.476	tr 500	815.24	3.44	7.10		7.26	0.001266	2.05	469.18	178.56	0.35
Asta 5	1932	tr 50	505.34	3.27	5.78	5.23	5.99	0.003112	2.56	258.96	165.16	0.52
Asta 5	1932	tr 100	598.15	3.27	5.87		6.13	0.003658	2.85	273.88	166.28	0.57
Asta 5	1932	tr 200	691.46	3.27	6.20		6.43	0.002748	2.67	328.96	169.87	0.50
Asta 5	1932	tr 500	815.24	3.27	6.99		7.15	0.001272	2.13	466.54	177.49	0.35
Asta 5	1834.316	tr 50	508.14	3.02	4.88	4.88	5.43	0.010782	3.53	167.50	161.98	0.89
Asta 5	1834.316	tr 100	600.21	3.02	5.36	5.05	5.70	0.005006	2.87	253.64	194.24	0.64
Asta 5	1834.316	tr 200	692.70	3.02	6.00	5.20	6.19	0.002049	2.20	386.46	217.38	0.43
Asta 5	1834.316	tr 500	815.27	3.02	6.93	5.35	7.04	0.000790	1.66	602.42	243.94	0.28
Asta 5	1737.41	tr 50	508.14	1.05	5.04	2.67	5.09	0.000266	0.98	611.51	238.49	0.16
Asta 5	1737.41	tr 100	600.21	1.05	5.51	2.82	5.55	0.000230	0.99	726.58	254.87	0.15
Asta 5	1737.41	tr 200	692.70	1.05	6.07	2.96	6.10	0.000182	0.95	872.41	268.93	0.14
Asta 5	1737.41	tr 500	815.27	1.05	6.96	3.13	6.99	0.000122	0.88	1121.99	287.91	0.12
Asta 5	1662.837	tr 50	508.14	0.51	5.04	2.16	5.07	0.000147	0.82	789.01	279.78	0.12
Asta 5	1662.837	tr 100	600.21	0.51	5.51	2.30	5.53	0.000137	0.84	928.15	314.80	0.12
Asta 5	1662.837	tr 200	692.70	0.51	6.06	2.44	6.09	0.000113	0.82	1120.69	358.17	0.11
Asta 5	1662.837	tr 500	815.27	0.51	6.97	2.63	6.98	0.000069	0.71	1579.18	454.18	0.09
Asta 5	1591.515	tr 50	508.14	0.70	5.04		5.05	0.000094	0.60	1037.02	449.17	0.10
Asta 5	1591.515	tr 100	600.21	0.70	5.51		5.52	0.000077	0.58	1248.38	454.84	0.09
Asta 5	1591.515	tr 200	692.70	0.70	6.07		6.08	0.000059	0.55	1504.34	461.54	0.08
Asta 5	1591.515	tr 500	815.27	0.70	6.97		6.98	0.000039	0.50	1923.91	470.03	0.07
Asta 5	1508.89	tr 50	508.14	0.85	5.04		5.05	0.000071	0.49	1260.80	533.48	0.08
Asta 5	1508.89	tr 100	600.21	0.85	5.51		5.51	0.000057	0.48	1512.83	542.14	0.08
Asta 5	1508.89	tr 200	692.70	0.85	6.07		6.07	0.000043	0.45	1818.92	551.65	0.07
Asta 5	1508.89	tr 500	815.27	0.85	6.97		6.97	0.000027	0.41	2321.96	565.07	0.06
Asta 5	1426.933	tr 50	508.14	0.31	5.03	1.69	5.04	0.000055	0.48	1222.37	408.03	0.08
Asta 5	1426.933	tr 100	600.21	0.31	5.50	1.79	5.51	0.000050	0.50	1417.11	421.82	0.07
Asta 5	1426.933	tr 200	692.70	0.31	6.06	1.89	6.07	0.000042	0.49	1656.08	431.47	0.07
Asta 5	1426.933	tr 500	815.27	0.31	6.96	2.01	6.97	0.000030	0.46	2050.33	443.20	0.06
Asta 5	1341.355	tr 50	508.14	0.03	5.02	1.40	5.04	0.000058	0.53	1047.79	291.34	0.08
Asta 5	1341.355	tr 100	600.21	0.03	5.49	1.52	5.51	0.000056	0.55	1186.25	299.14	0.08
Asta 5	1341.355	tr 200	692.70	0.03	6.05	1.63	6.07	0.000050	0.56	1355.53	305.36	0.08
Asta 5	1341.355	tr 500	815.27	0.03	6.95	1.77	6.97	0.000038	0.54	1634.53	313.06	0.07
Asta 5	1273.128	tr 50	508.14	0.69	5.01	2.03	5.03	0.000098	0.63	861.54	253.05	0.10
Asta 5	1273.128	tr 100	600.21	0.69	5.48	2.15	5.50	0.000091	0.66	980.96	257.51	0.10
Asta 5	1273.128	tr 200	692.70	0.69	6.04	2.26	6.06	0.000079	0.66	1126.63	262.27	0.09
Asta 5	1273.128	tr 500	815.27	0.69	6.94	2.39	6.96	0.000059	0.64	1366.94	269.64	0.08
Asta 5	1169.528	tr 50	508.14	1.39	4.97	3.04	5.01	0.000375	1.12	572.31	239.81	0.19
Asta 5	1169.528	tr 100	600.21	1.39	5.44	3.16	5.48	0.000302	1.09	688.59	251.04	0.17
Asta 5	1169.528	tr 200	692.70	1.39	6.01	3.27	6.05	0.000225	1.03	834.18	260.53	0.15
Asta 5	1169.528	tr 500	815.27	1.39	6.92	3.41	6.95	0.000142	0.93	1077.80	272.98	0.13
Asta 5	1080.263	tr 50	508.14	1.55	4.89		4.97	0.000607	1.32	449.93	202.62	0.24
Asta 5	1080.263	tr 100	600.21	1.55	5.38		5.45	0.000471	1.28	551.44	213.71	0.21
Asta 5	1080.263	tr 200	692.70	1.55	5.96		6.02	0.000341	1.20	679.26	224.44	0.19
Asta 5	1080.263	tr 500	815.27	1.55	6.89		6.94	0.000210	1.08	895.81	240.71	0.15
Asta 5	897.1031	tr 50	508.14	0.00	4.90		4.92	0.000069	0.63	902.65	253.53	0.09
Asta 5	897.1031	tr 100	600.21	0.00	5.39		5.41	0.000066	0.66	1028.84	267.74	0.09
Asta 5	897.1031	tr 200	692.70	0.00	5.97		5.99	0.000058	0.67	1186.92	277.00	0.09
Asta 5	897.1031	tr 500	815.27	0.00	6.89		6.91	0.000044	0.64	1450.42	290.87	0.08
Asta 5	788.1014	tr 50	508.14	-0.90	4.90		4.91	0.000056	0.67	926.09	241.66	0.09
Asta 5	788.1014	tr 100	600.21	-0.90	5.38		5.40	0.000055	0.71	1046.24	253.40	0.09
Asta 5	788.1014	tr 200	692.70	-0.90	5.96		5.98	0.000050	0.71	1195.62	260.81	0.09
Asta 5	788.1014	tr 500	815.27	-0.90	6.89		6.91	0.000039	0.69	1443.19	272.49	0.08
Asta 5	649.996	tr 50	508.14	1.09	4.84	2.69	4.90	0.000290	1.12	533.78	200.86	0.19
Asta 5	649.996	tr 100	600.21	1.09	5.33	2.84	5.38	0.000245	1.12	634.20	210.65	0.18

HEC-RAS Plan: Plan 01 River: Riu Serra Reach: Asta 5 (Continued)

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
Asta 5	649.996	tr 200	692.70	1.09	5.92	2.98	5.97	0.000189	1.08	760.41	218.83	0.16
Asta 5	649.996	tr 500	815.27	1.09	6.86	3.14	6.90	0.000126	0.99	971.31	230.15	0.13
Asta 5	488.7593	tr 50	508.14	1.04	4.84		4.86	0.000122	0.65	917.76	380.68	0.11
Asta 5	488.7593	tr 100	600.21	1.04	5.33		5.35	0.000100	0.64	1118.48	429.66	0.10
Asta 5	488.7593	tr 200	692.70	1.04	5.92		5.94	0.000073	0.60	1380.80	455.31	0.09
Asta 5	488.7593	tr 500	815.27	1.04	6.87		6.88	0.000045	0.53	1824.77	485.81	0.07
Asta 5	377.6013	tr 50	508.14	0.75	4.83		4.84	0.000107	0.62	955.69	364.05	0.10
Asta 5	377.6013	tr 100	600.21	0.75	5.32		5.34	0.000087	0.61	1138.11	372.22	0.09
Asta 5	377.6013	tr 200	692.70	0.75	5.92		5.93	0.000067	0.58	1365.09	395.06	0.08
Asta 5	377.6013	tr 500	815.27	0.75	6.86		6.87	0.000044	0.53	1751.88	424.76	0.07
Asta 5	300.1948	tr 50	508.14	0.63	4.82	2.20	4.83	0.000082	0.56	1065.47	384.08	0.09
Asta 5	300.1948	tr 100	600.21	0.63	5.32	2.31	5.33	0.000069	0.55	1264.96	412.27	0.08
Asta 5	300.1948	tr 200	692.70	0.63	5.91	2.41	5.92	0.000053	0.53	1513.72	422.52	0.08
Asta 5	300.1948	tr 500	815.27	0.63	6.86	2.59	6.87	0.000035	0.49	1924.73	444.16	0.06
Asta 5	220.3344	tr 50	508.14	0.52	4.81	2.09	4.83	0.000124	0.71	856.97	336.89	0.11
Asta 5	220.3344	tr 100	600.21	0.52	5.30	2.22	5.32	0.000103	0.69	1031.23	360.23	0.10
Asta 5	220.3344	tr 200	692.70	0.52	5.90	2.36	5.92	0.000078	0.66	1250.45	372.08	0.09
Asta 5	220.3344	tr 500	815.27	0.52	6.85	2.50	6.86	0.000051	0.59	1609.18	383.82	0.08
Asta 5	121.8444	tr 50	508.14	0.40	4.79	2.09	4.81	0.000143	0.78	799.43	310.38	0.12
Asta 5	121.8444	tr 100	600.21	0.40	5.29	2.24	5.31	0.000118	0.76	957.87	322.95	0.11
Asta 5	121.8444	tr 200	692.70	0.40	5.89	2.37	5.91	0.000090	0.72	1156.45	338.24	0.10
Asta 5	121.8444	tr 500	815.27	0.40	6.84	2.55	6.86	0.000059	0.65	1488.78	359.14	0.08
Asta 5	38.38481	tr 50	508.14	0.31	4.80	1.52	4.80	0.000018	0.28	2257.33	755.66	0.04
Asta 5	38.38481	tr 100	600.21	0.31	5.30	1.60	5.30	0.000015	0.28	2638.93	770.31	0.04
Asta 5	38.38481	tr 200	692.70	0.31	5.90	1.68	5.90	0.000012	0.27	3105.87	785.37	0.04
Asta 5	38.38481	tr 500	815.27	0.31	6.85	1.77	6.85	0.000008	0.25	3860.97	802.70	0.03