



CIUTAT DE L'ALGUER
CITTA' DI ALGHERO

COMUNE DI ALGHERO

PROVINCIA DI SASSARI



REGIONE AUTONOMA DE SARDIGNA
REGIONE AUTONOMA DELLA SARDEGNA

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale

ELABORATO :

REPORT DEI CALCOLI IDRAULICI IN MOTO PERMANENTE

REVISIONI				ALLEGATO	SCALA	
n°	MODIFICA	DATA	CTRL		CODICE	
01	Consegna	Feb. 2021	FC	C-3		
					NOTE	

I Professionisti incaricati :



Studio Associato
4E-INGEGNERIA
Dott. Ing. Fabio Cambula

Il Dirigente

Ing. Michele Fois

Ufficio del Piano Urbanistico

Arch. Angelo Manunta

Geom. Franco Cherchi

L'Assessore all'Urbanistica

Dott. Emiliano Piras

Il Sindaco:

Dott. Mario Conoci

COMUNE DI ALGHERO

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale ai sensi dell'art.8 comma 2 delle N.A. del PAI

Area di indagine: **TERRITORIO COMUNALE**

SIMULAZIONI IN MOTO PERMANENTE

Il presente elaborato contiene i seguenti modelli:

- Modello 8 – Canale Oma Molt;
- Modello 9 – rio S'Ena Osana;
- Modello 10 – rio Carrabuffas;
- Modello 11 – Fiume 72433;
- Modello 12 - Fiume 122438;
- Modello 13 - Fiume 74342;
- Modello 14 - Fiume 122461 e Fiume 123265;
- Modello 15 - Fiume 123513.

COMUNE DI ALGHERO

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale ai sensi dell'art.8 comma 2 delle N.A. del PAI

Area di indagine: **TERRITORIO COMUNALE**

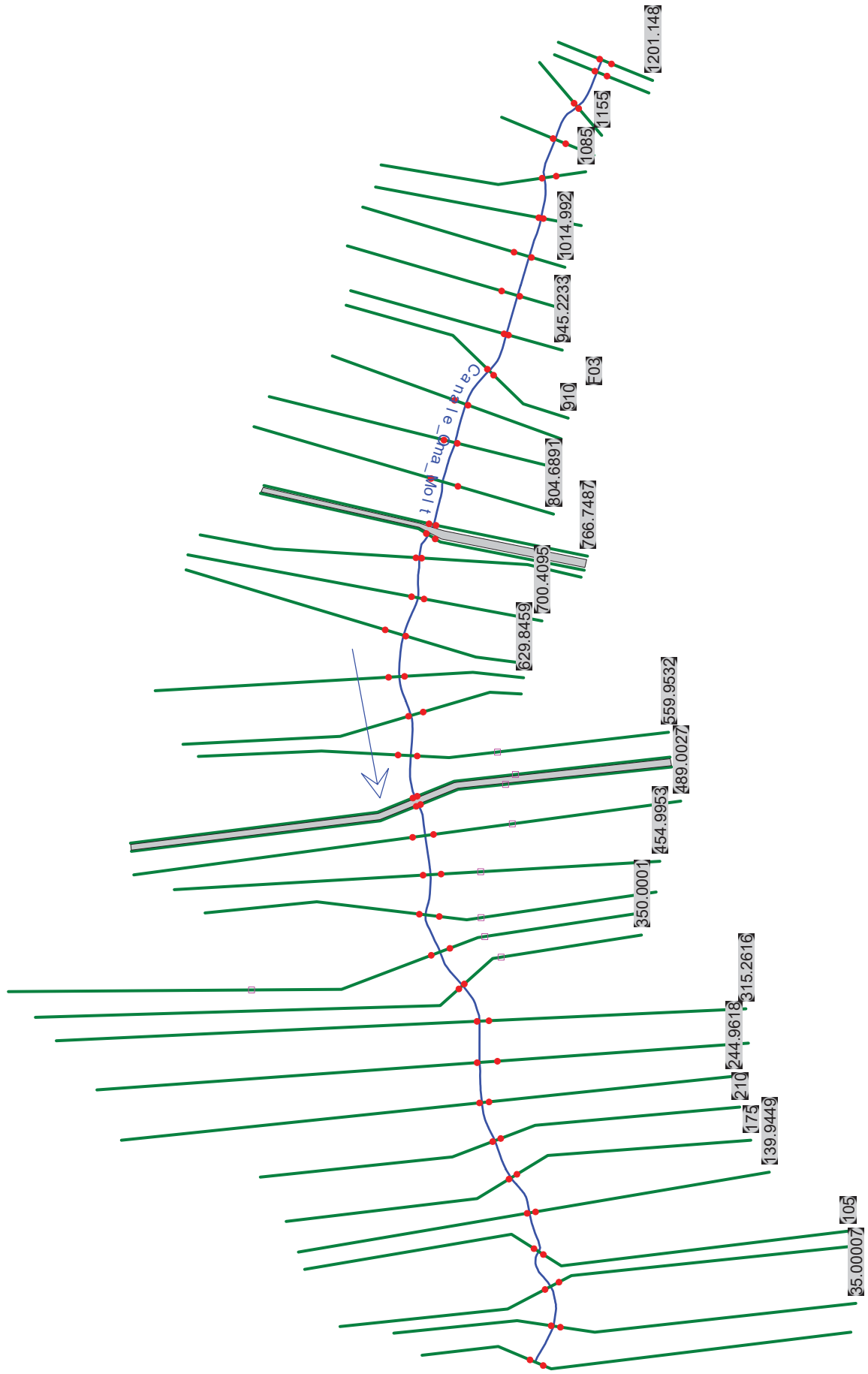
SIMULAZIONI IN MOTO PERMANENTE

Modello 8 - Canale Oma Molt

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per i tempi di ritorno 50, 100, 200 e 500 anni;

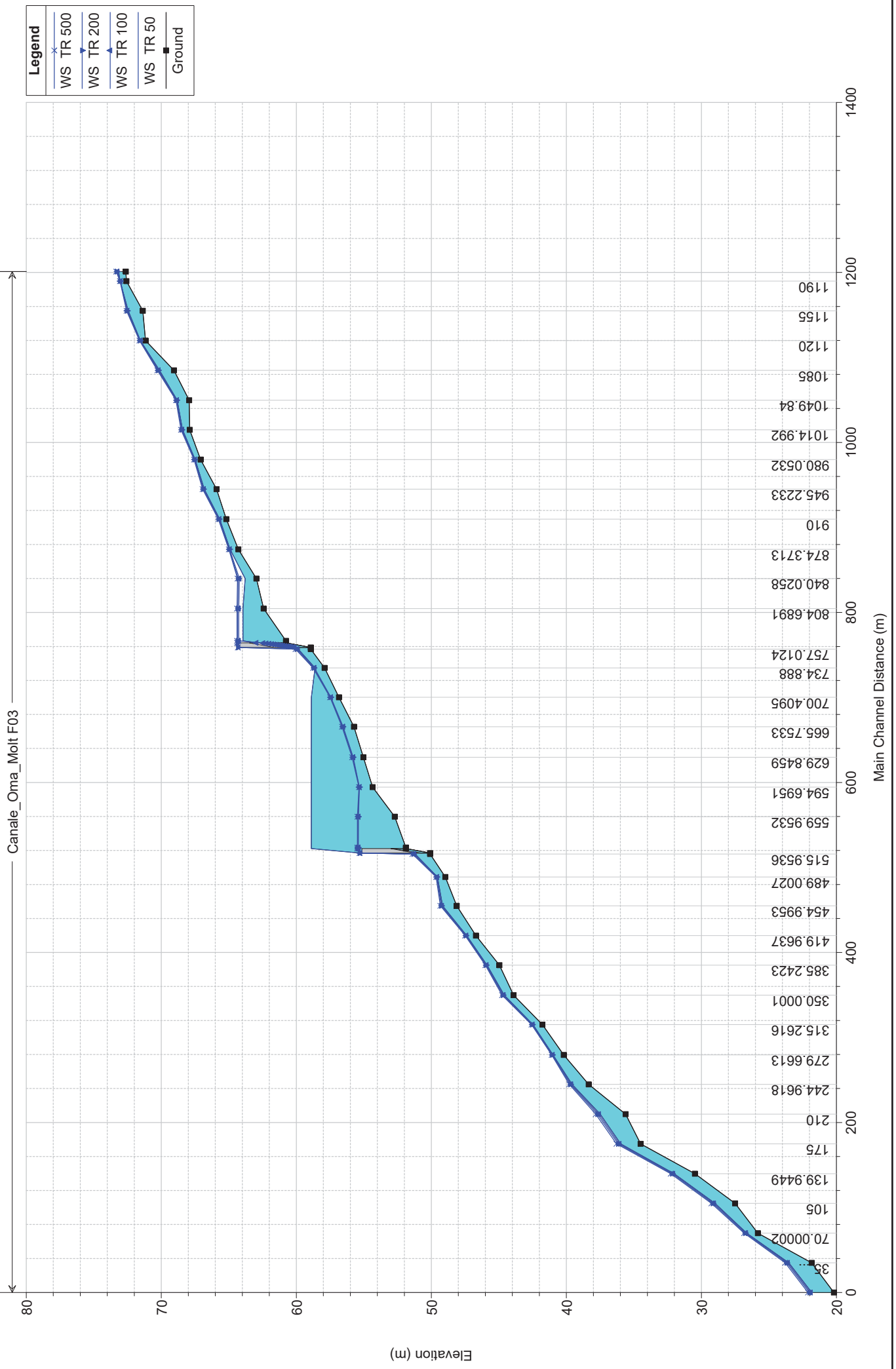
River	Reach	RS	PORTATE mc/s			
			TR 50	TR 100	TR 200	TR 500
Canale_Oma_Molt	F03	1201.148	10.536	12.128	13.755	16.038
Canale_Oma_Molt	F03	665.7533	12.236	13.988	15.889	18.537

River	Reach	PROFILI	condizioni al contorno	
			upstream	downstream
Canale_Oma_Molt	F03	all	Critical Depth	Normal Depth $S = 0.04752$



Canale_Oma_Molt Plan: Plan 01 4/13/2021

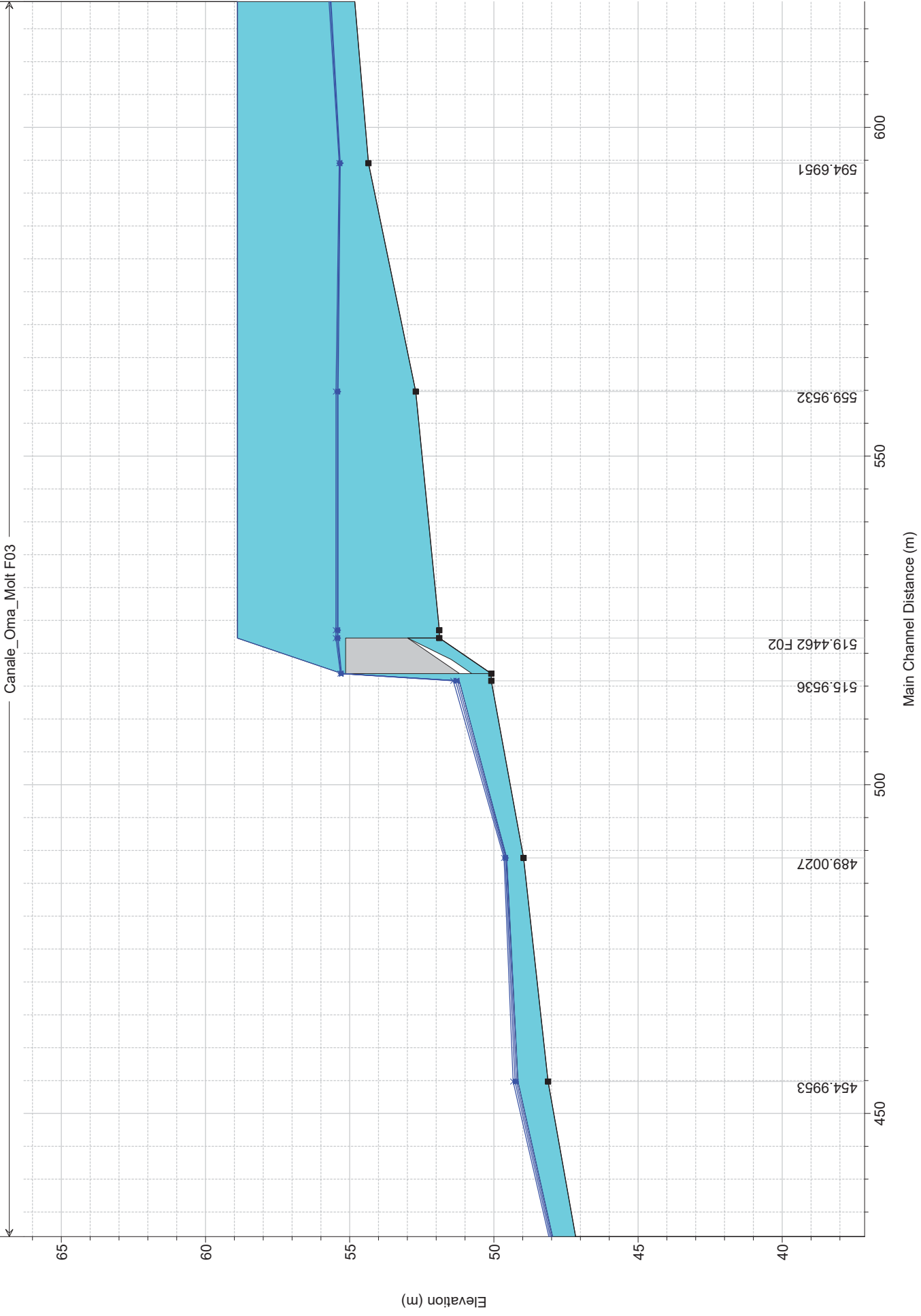
Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Legend	
WS TR 500	Blue line with 'x' markers
WS TR 200	Blue line with triangle markers
WS TR 100	Blue line with triangle markers
WS TR 50	Blue line with triangle markers
Ground	Black line with square markers

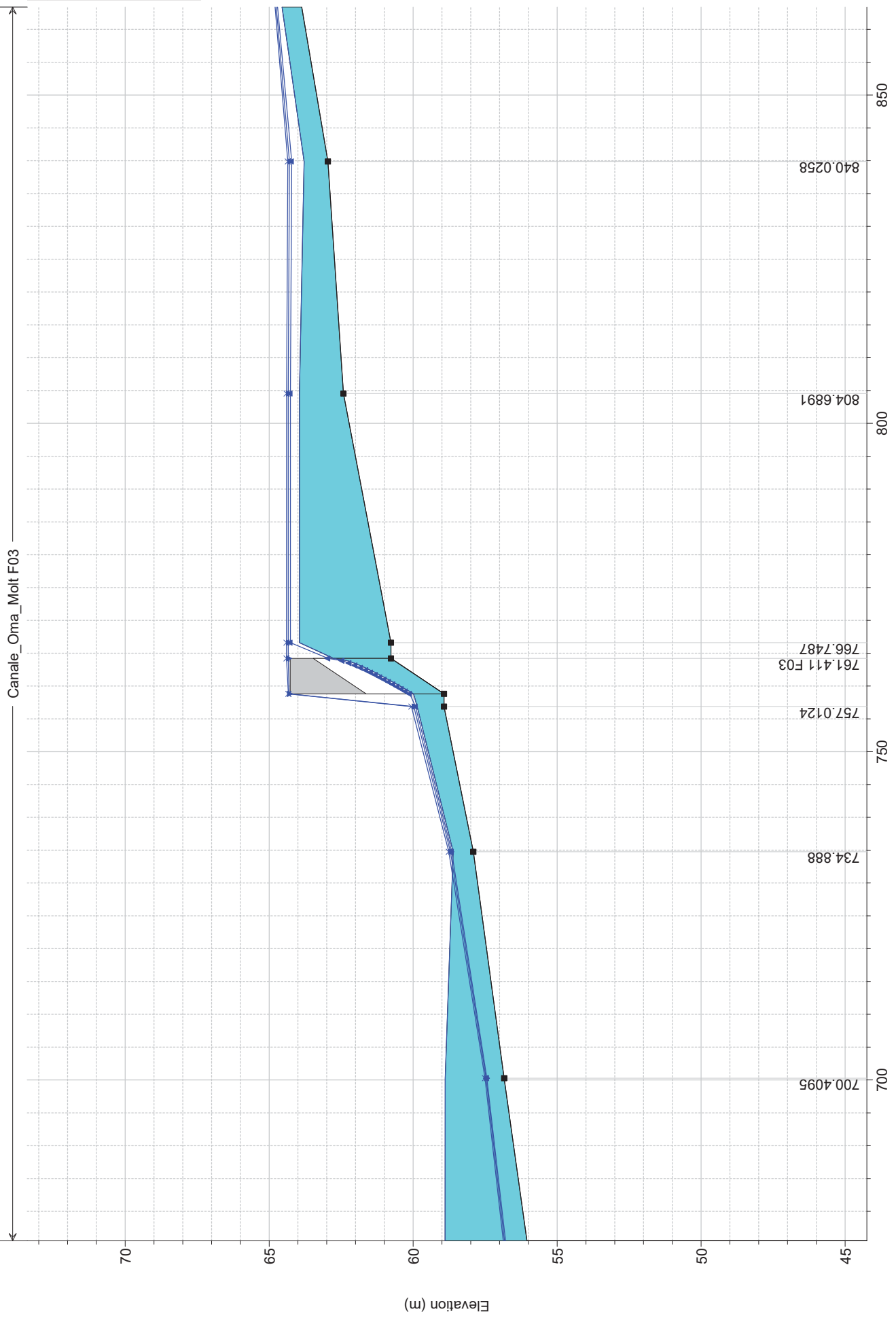
Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

Canale_Oma_Molt Plan: Plan 01 4/13/2021



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

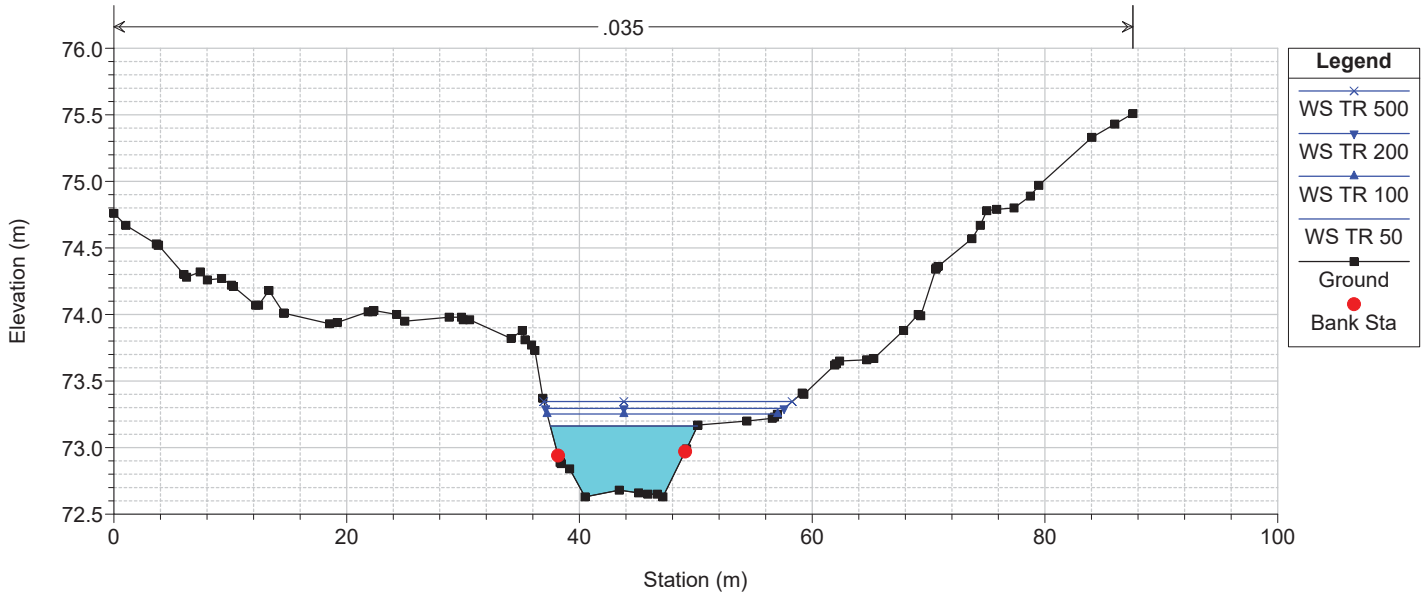


Legend	
WS TR 500	(Blue line with 'x' markers)
WS TR 200	(Blue line with 'v' markers)
WS TR 100	(Blue line with 'v' markers)
WS TR 50	(Blue line with 'v' markers)
Ground	(Black square)

Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

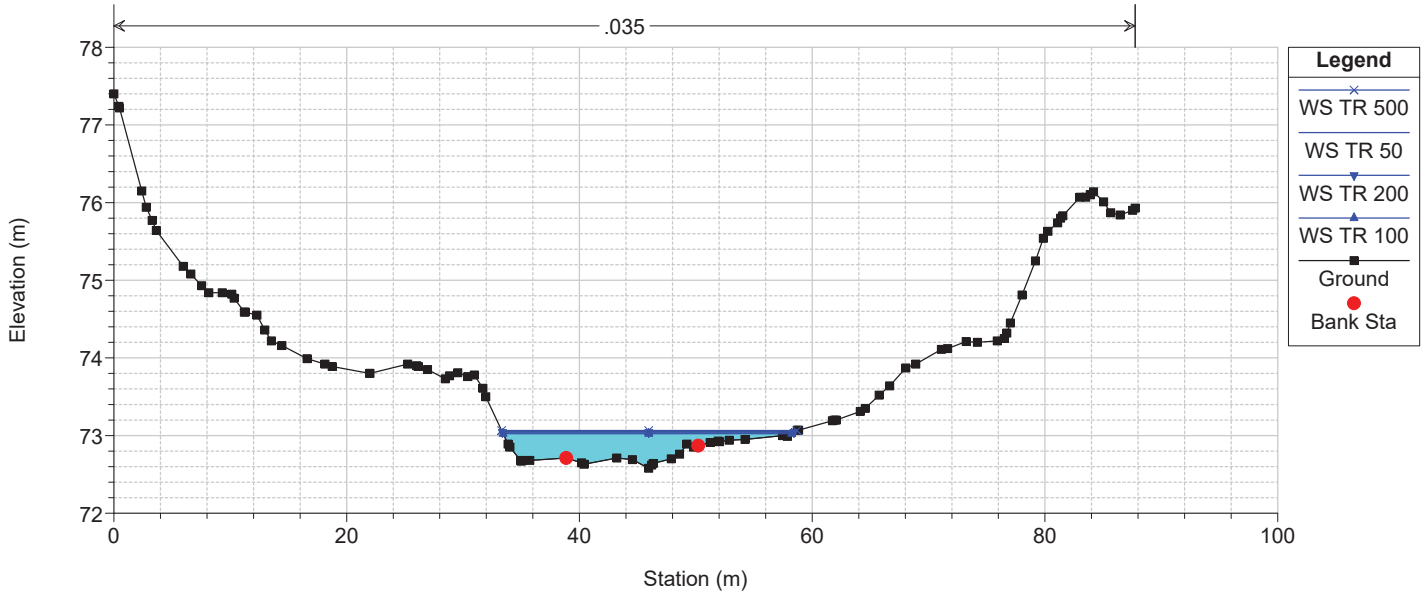
River = Canale_Oma_Molt Reach = F03 RS = 1201.148 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

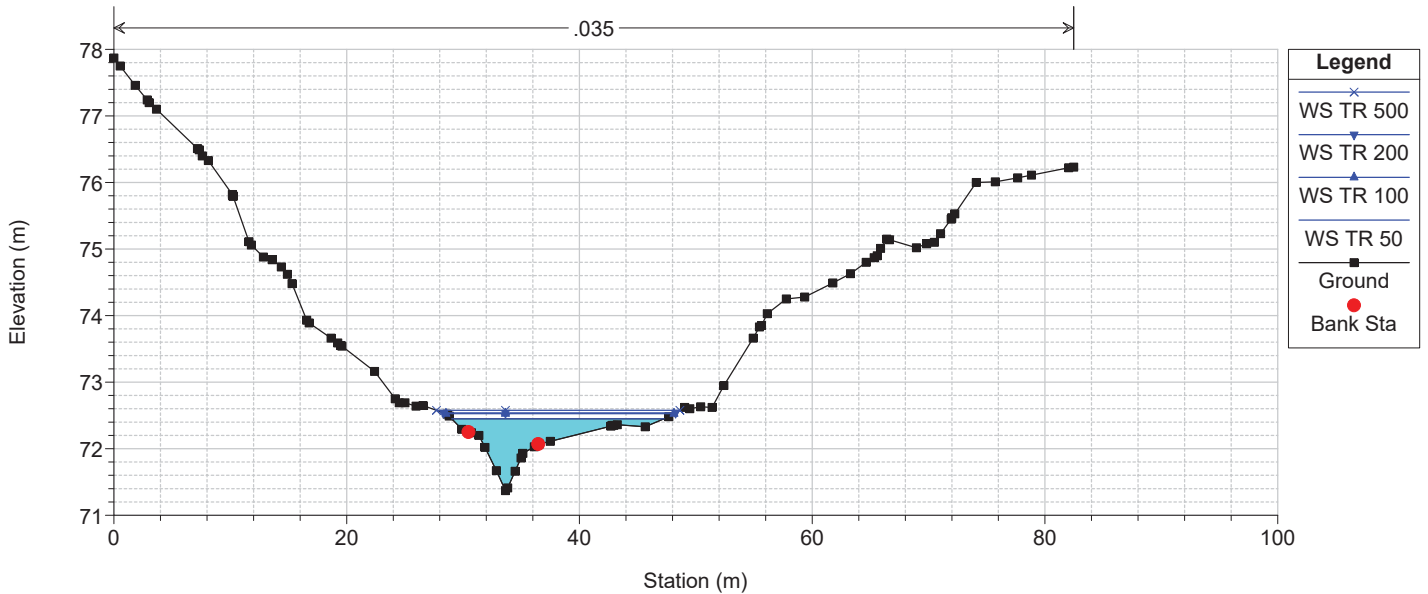
River = Canale_Oma_Molt Reach = F03 RS = 1190 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

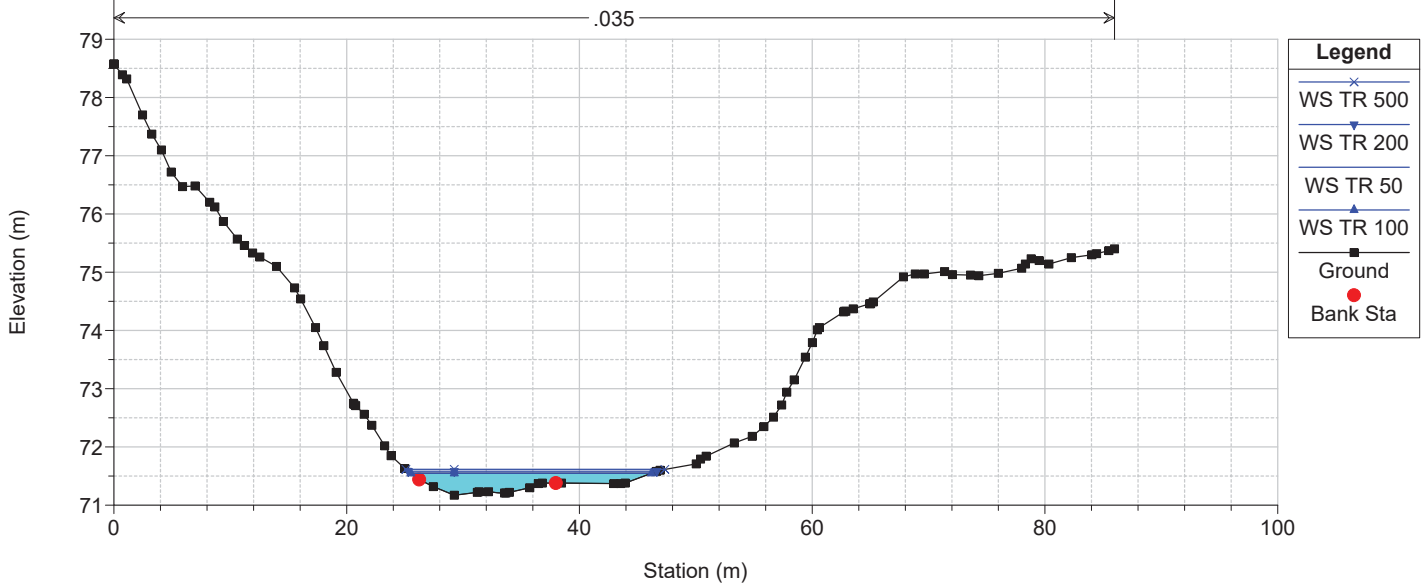
River = Canale_Oma_Molt Reach = F03 RS = 1155 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

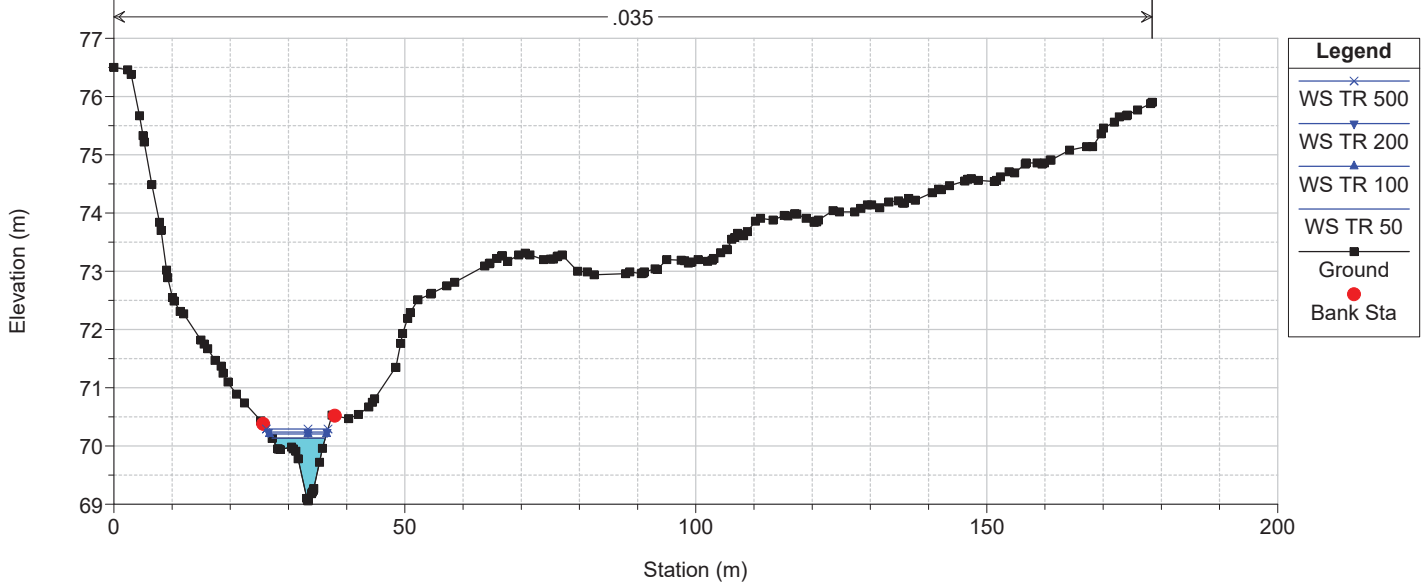
River = Canale_Oma_Molt Reach = F03 RS = 1120 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

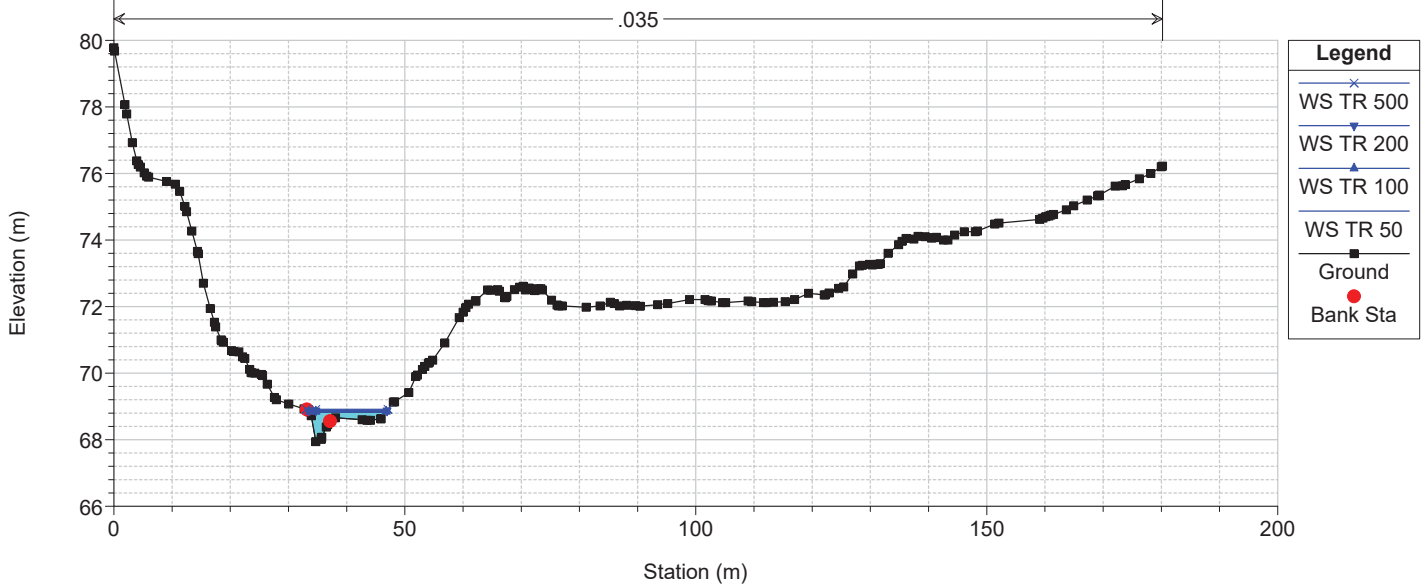
River = Canale_Oma_Molt Reach = F03 RS = 1085 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

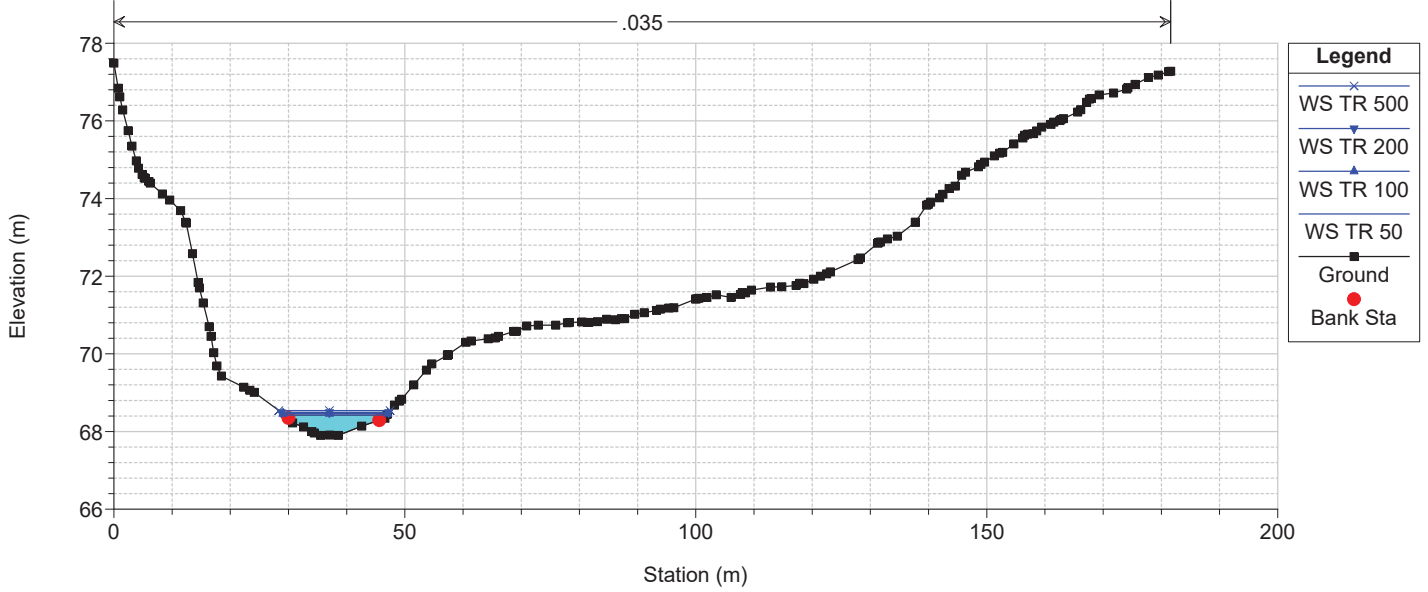
River = Canale_Oma_Molt Reach = F03 RS = 1049.84 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

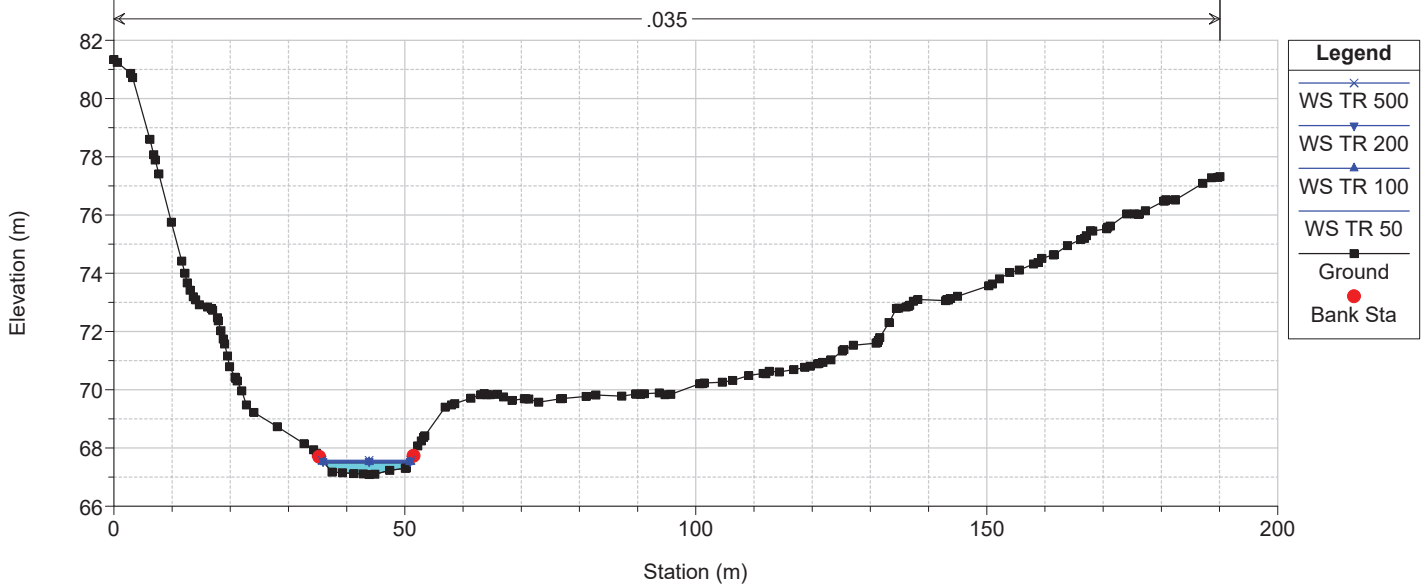
River = Canale_Oma_Molt Reach = F03 RS = 1014.992 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

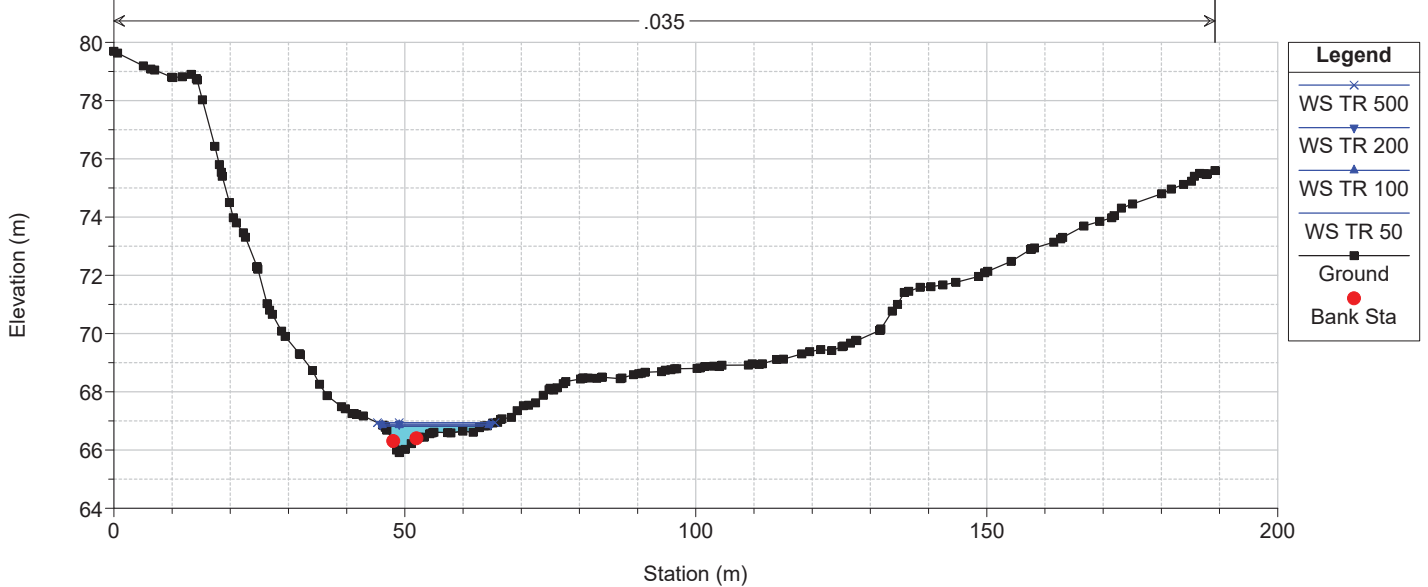
River = Canale_Oma_Molt Reach = F03 RS = 980.0532 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

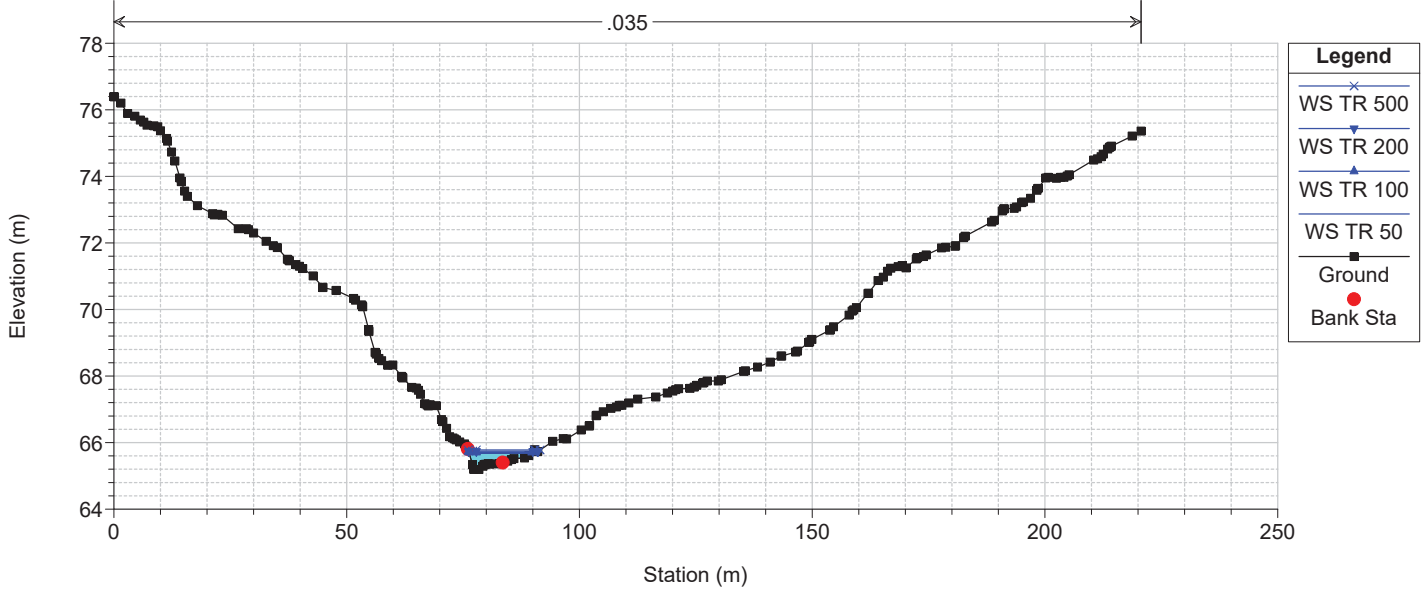
River = Canale_Oma_Molt Reach = F03 RS = 945.2233 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

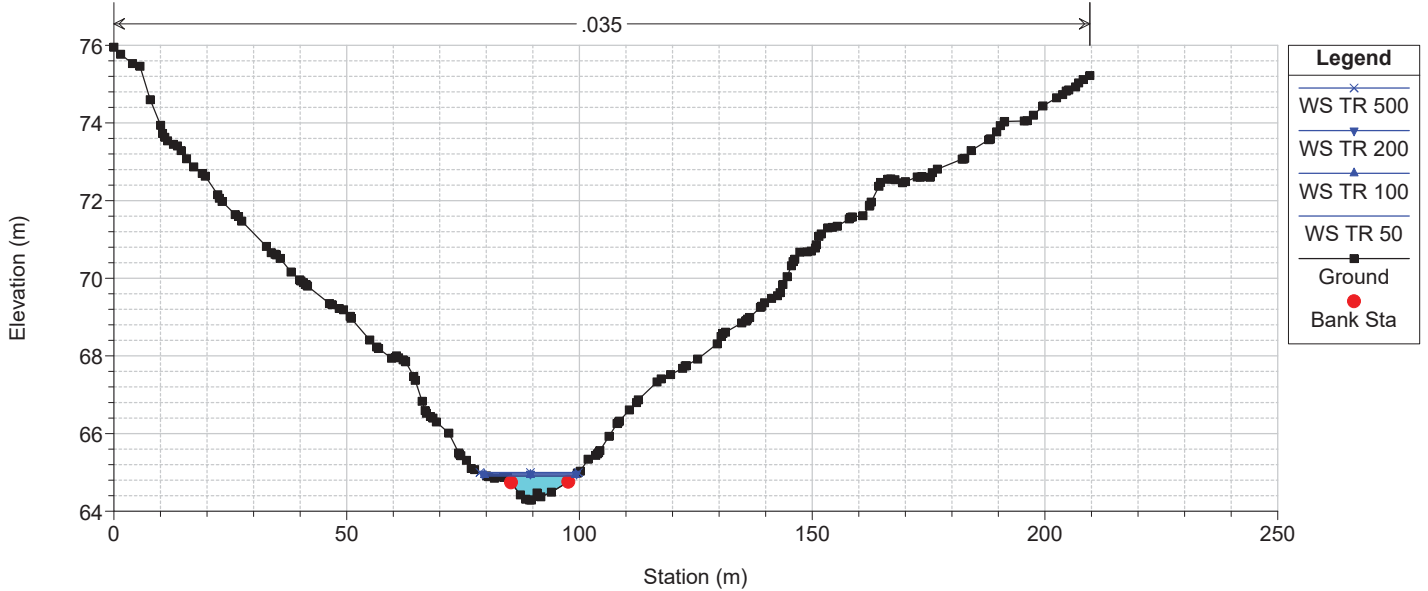
River = Canale_Oma_Molt Reach = F03 RS = 910 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

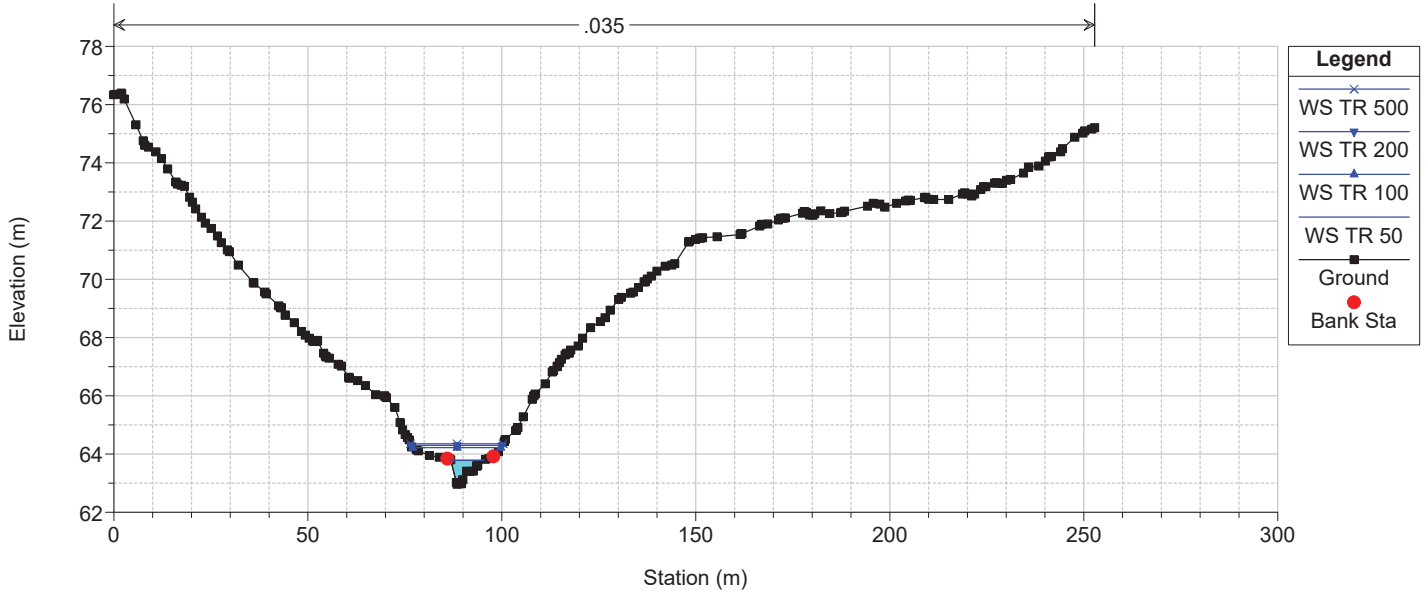
River = Canale_Oma_Molt Reach = F03 RS = 874.3713 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

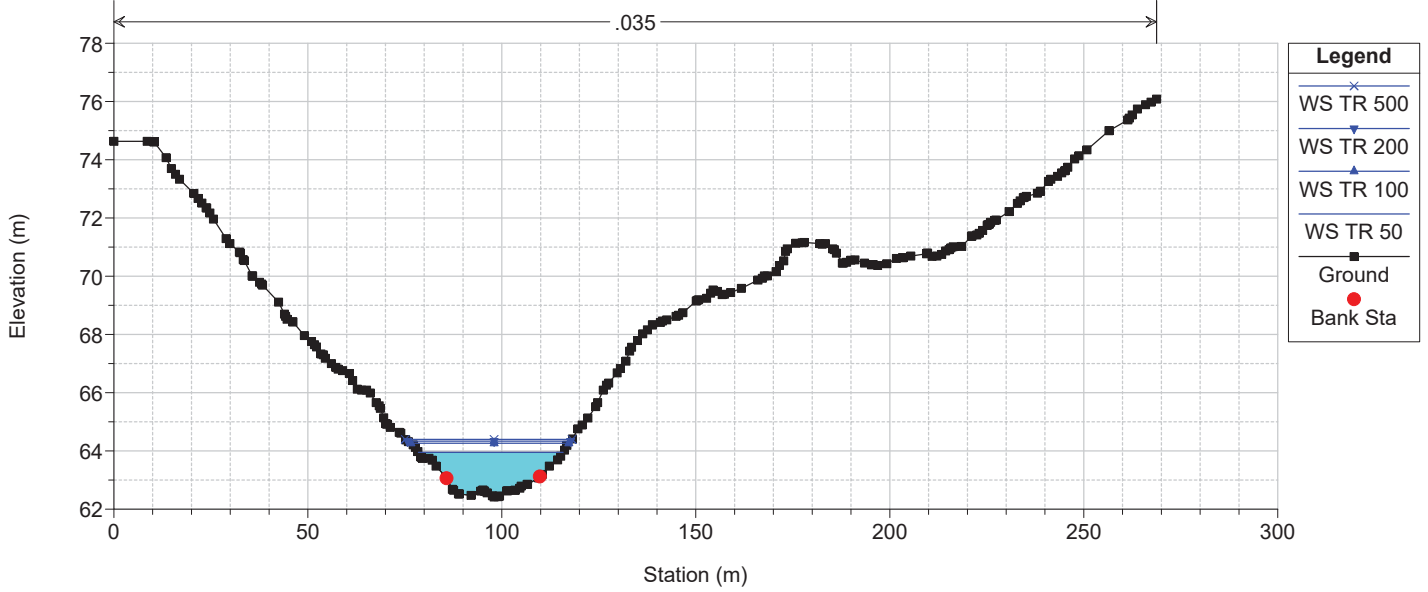
River = Canale_Oma_Molt Reach = F03 RS = 840.0258 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

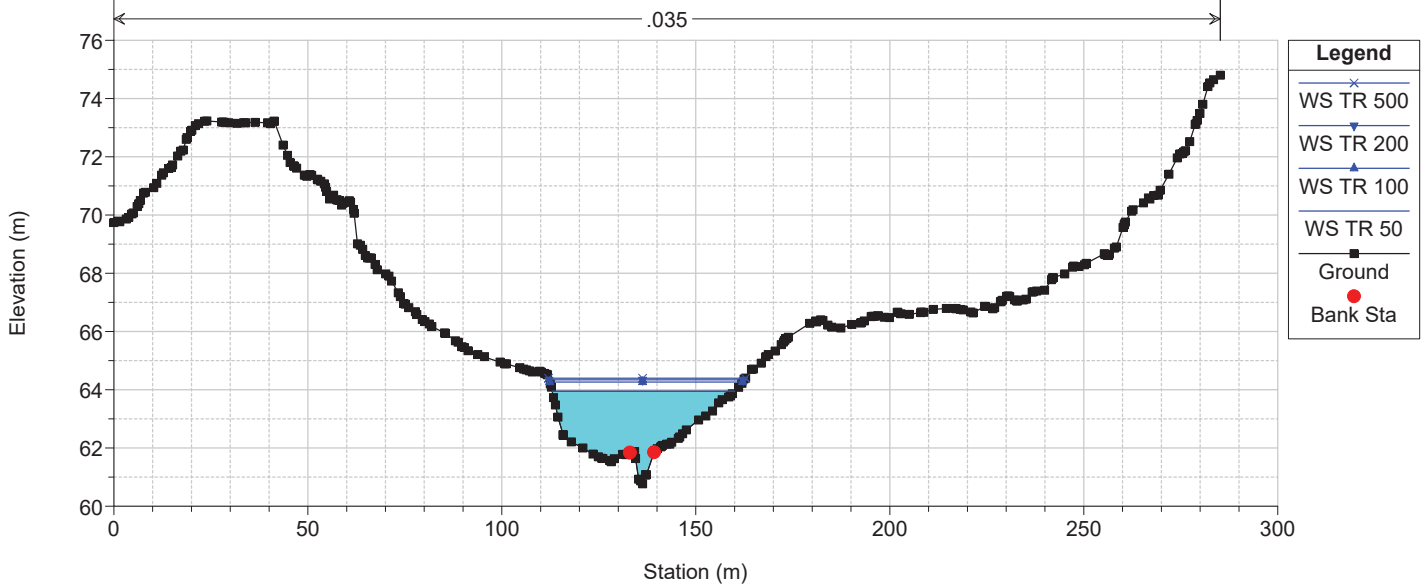
River = Canale_Oma_Molt Reach = F03 RS = 804.6891 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

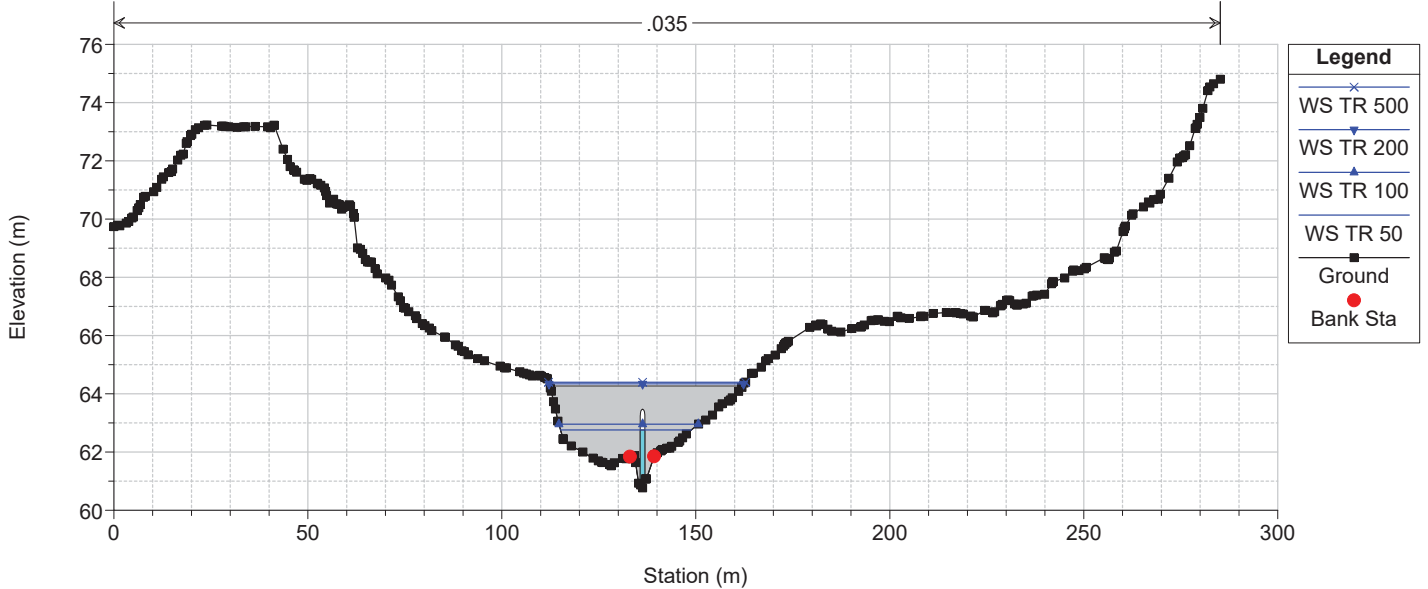
River = Canale_Oma_Molt Reach = F03 RS = 766.7487 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

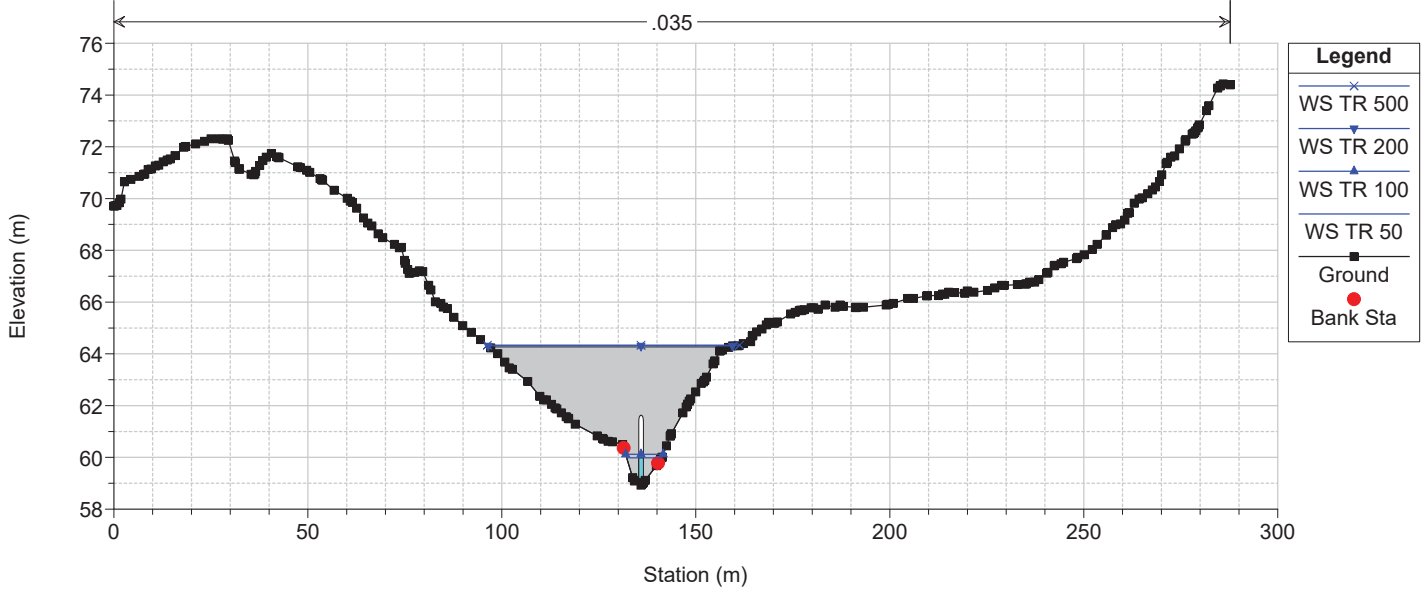
River = Canale_Oma_Molt Reach = F03 RS = 761.411 Culv. F03 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

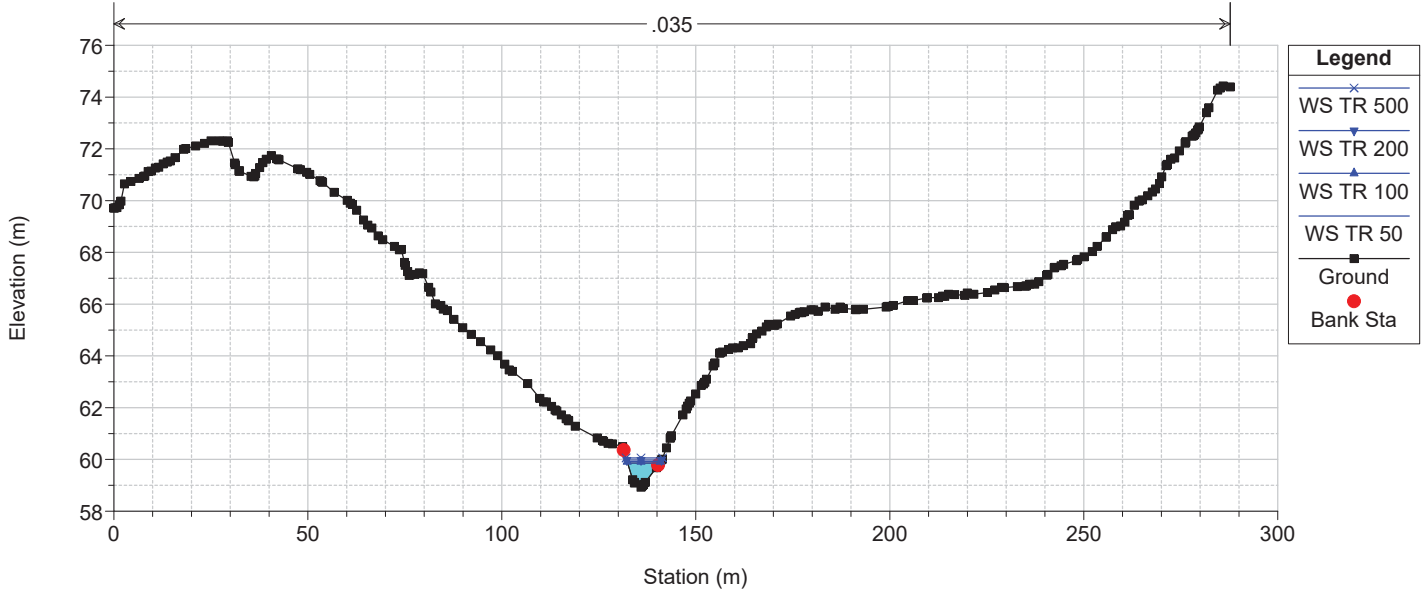
River = Canale_Oma_Molt Reach = F03 RS = 761.411 Culv F03 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

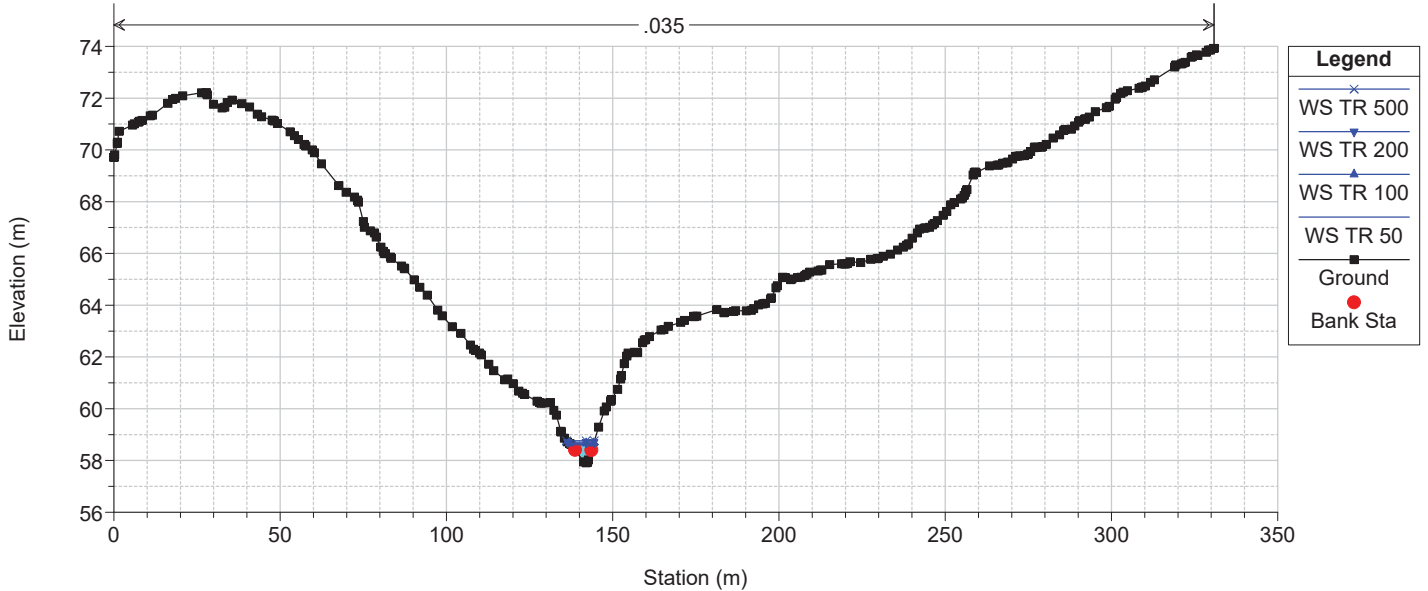
River = Canale_Oma_Molt Reach = F03 RS = 757.0124 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

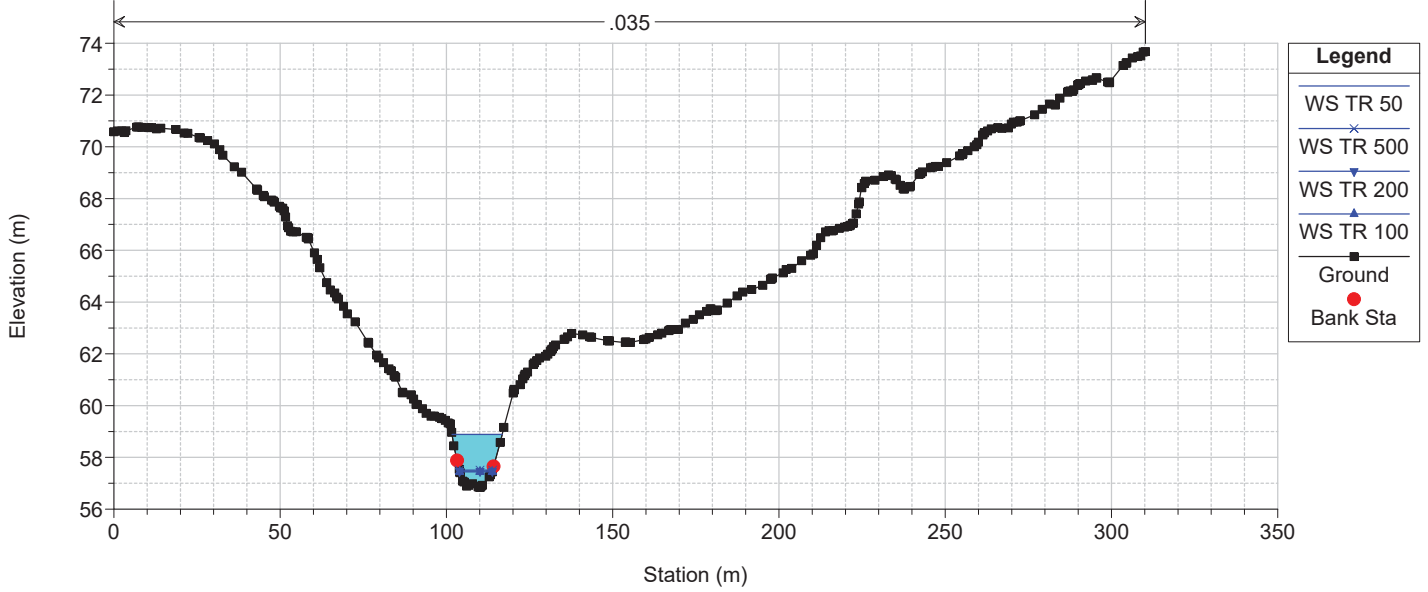
River = Canale_Oma_Molt Reach = F03 RS = 734.888 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

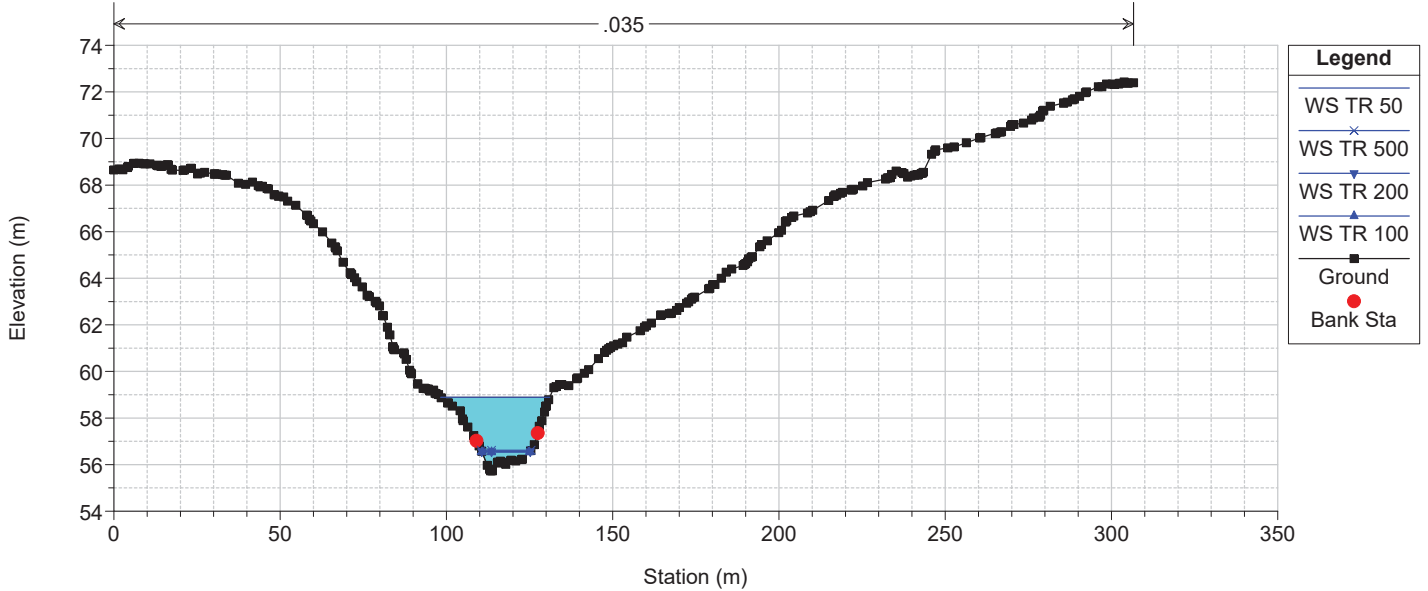
River = Canale_Oma_Molt Reach = F03 RS = 700.4095 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

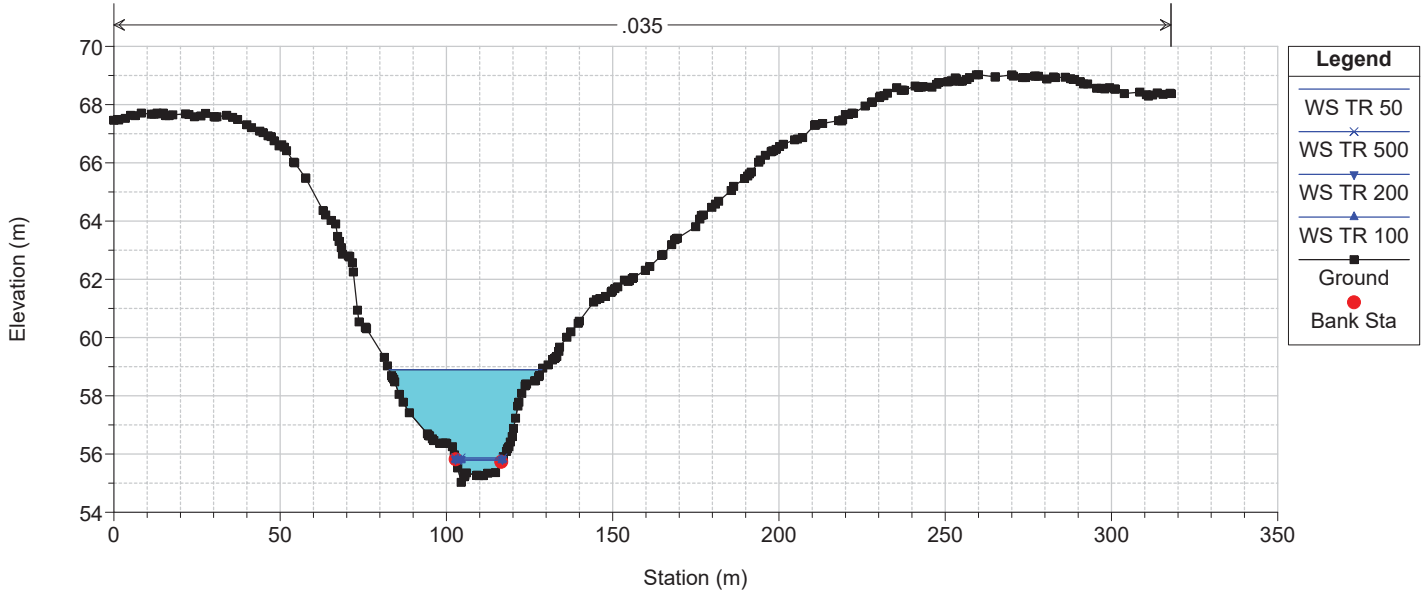
River = Canale_Oma_Molt Reach = F03 RS = 665.7533 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

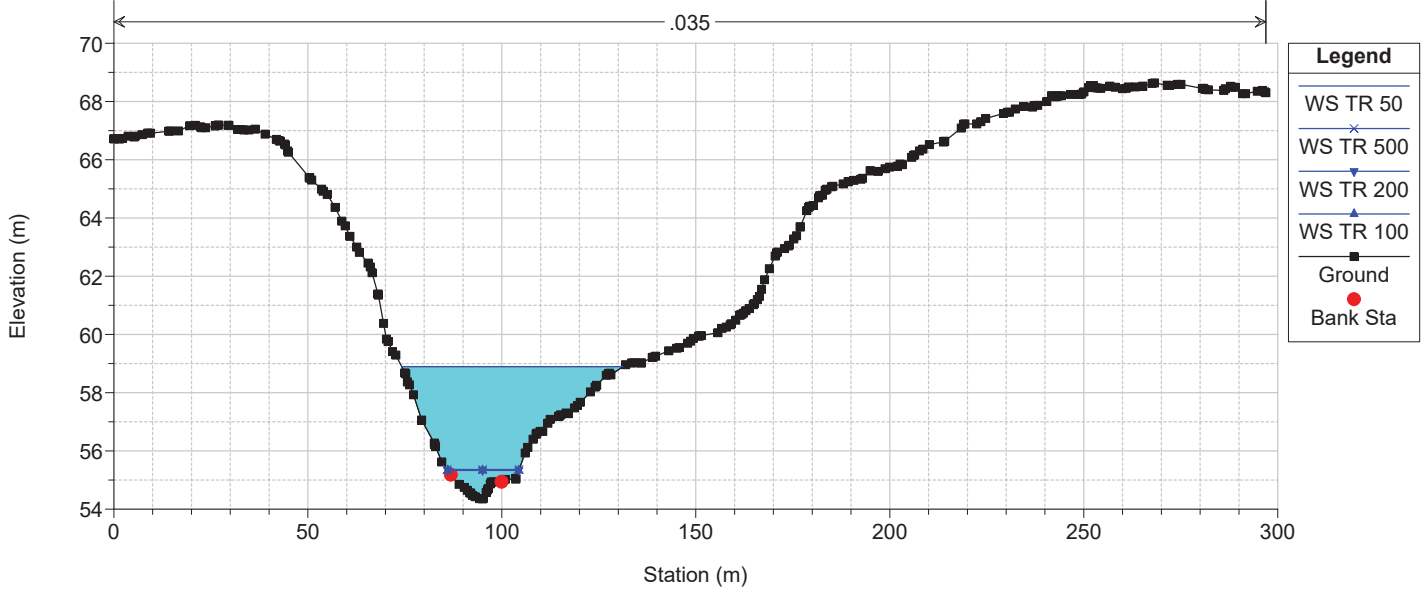
River = Canale_Oma_Molt Reach = F03 RS = 629.8459 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

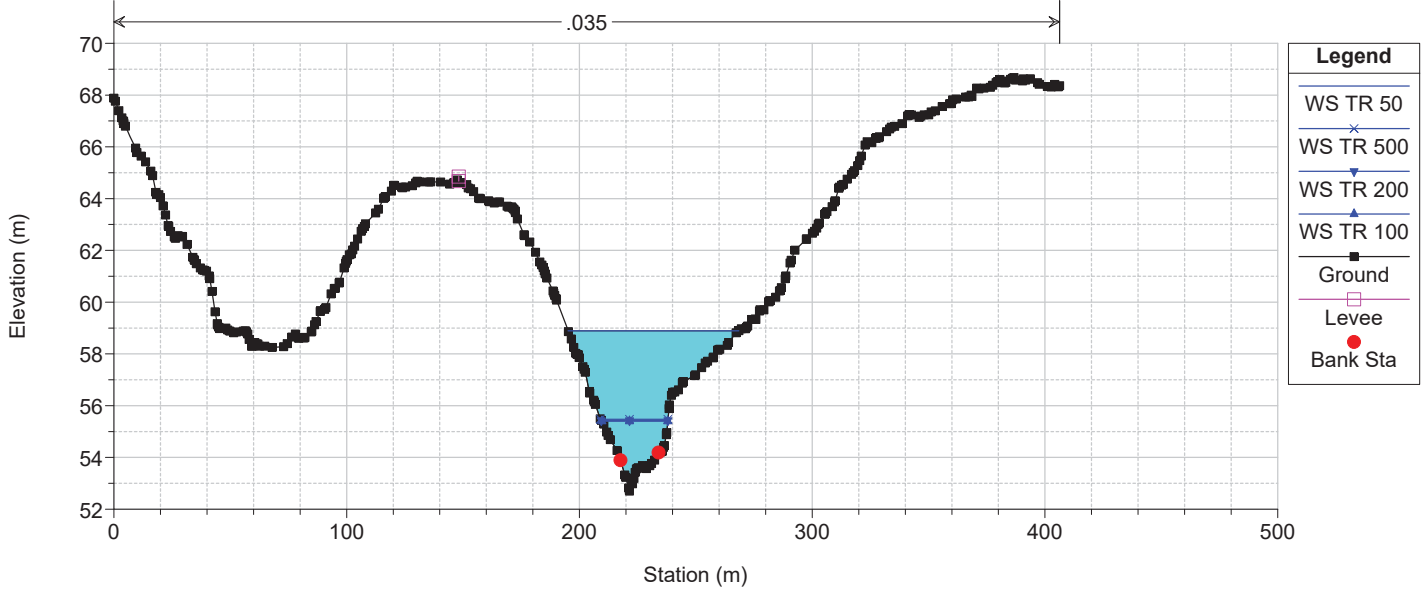
River = Canale_Oma_Molt Reach = F03 RS = 594.6951 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

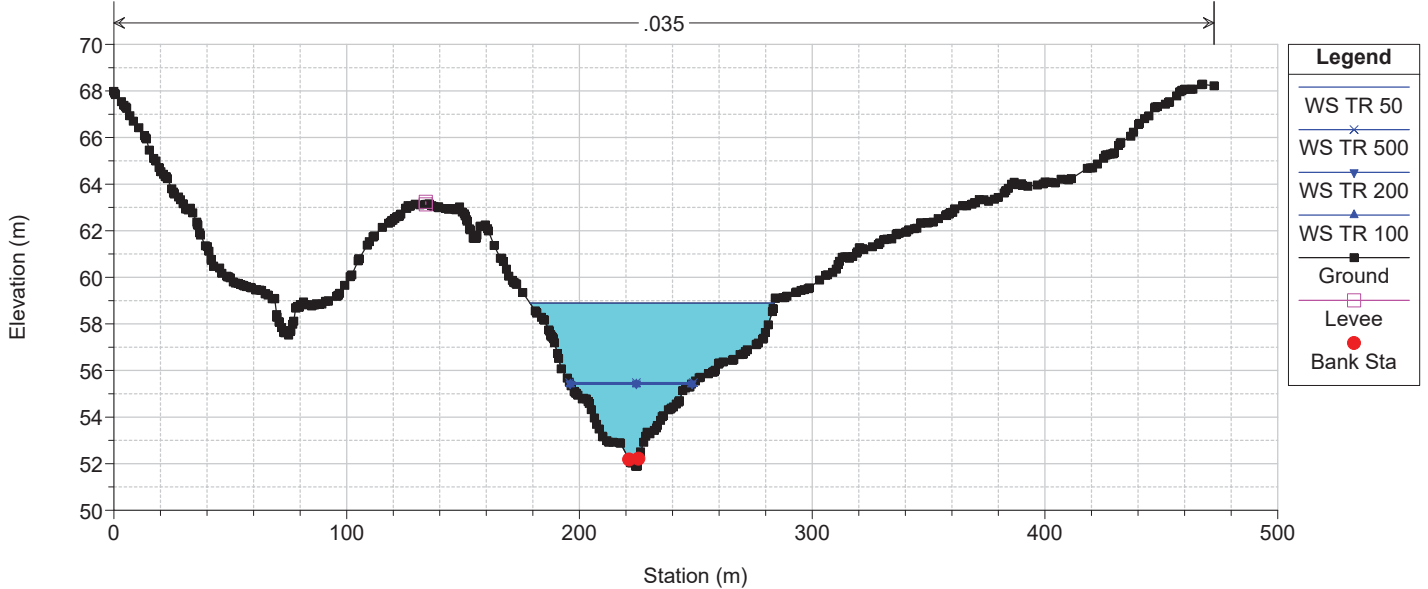
River = Canale_Oma_Molt Reach = F03 RS = 559.9532 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

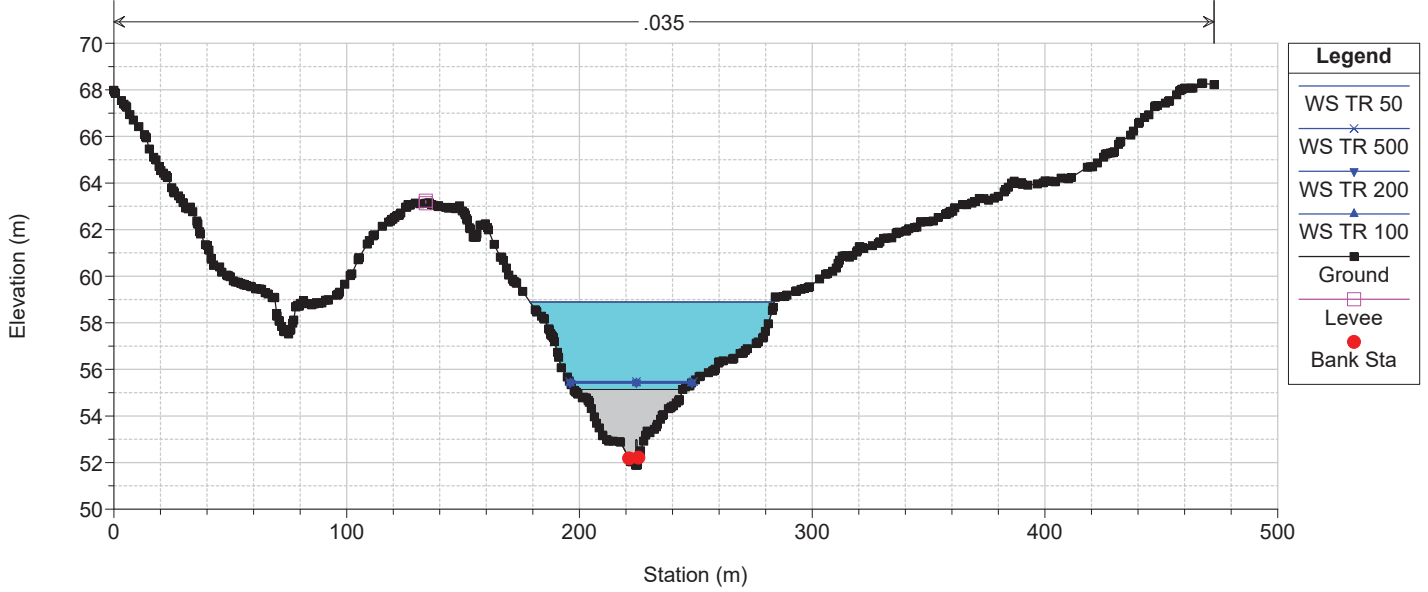
River = Canale_Oma_Molt Reach = F03 RS = 523.6519 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

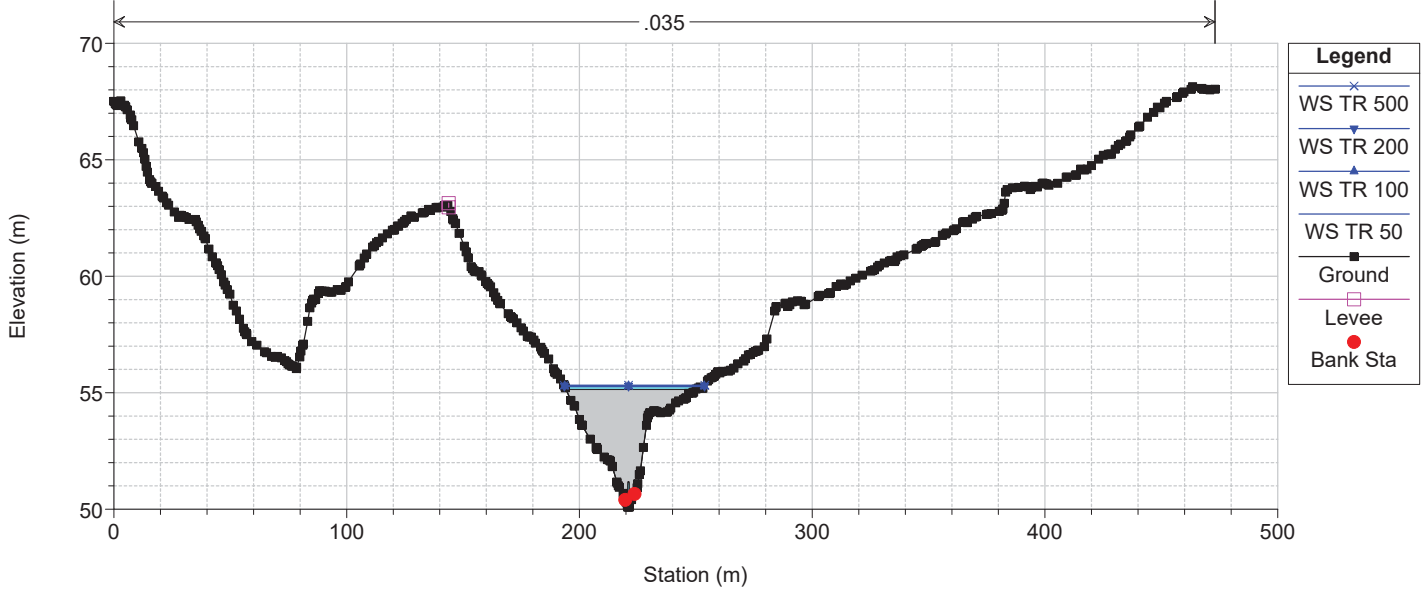
River = Canale_Oma_Molt Reach = F03 RS = 519.4462 Culv F02 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

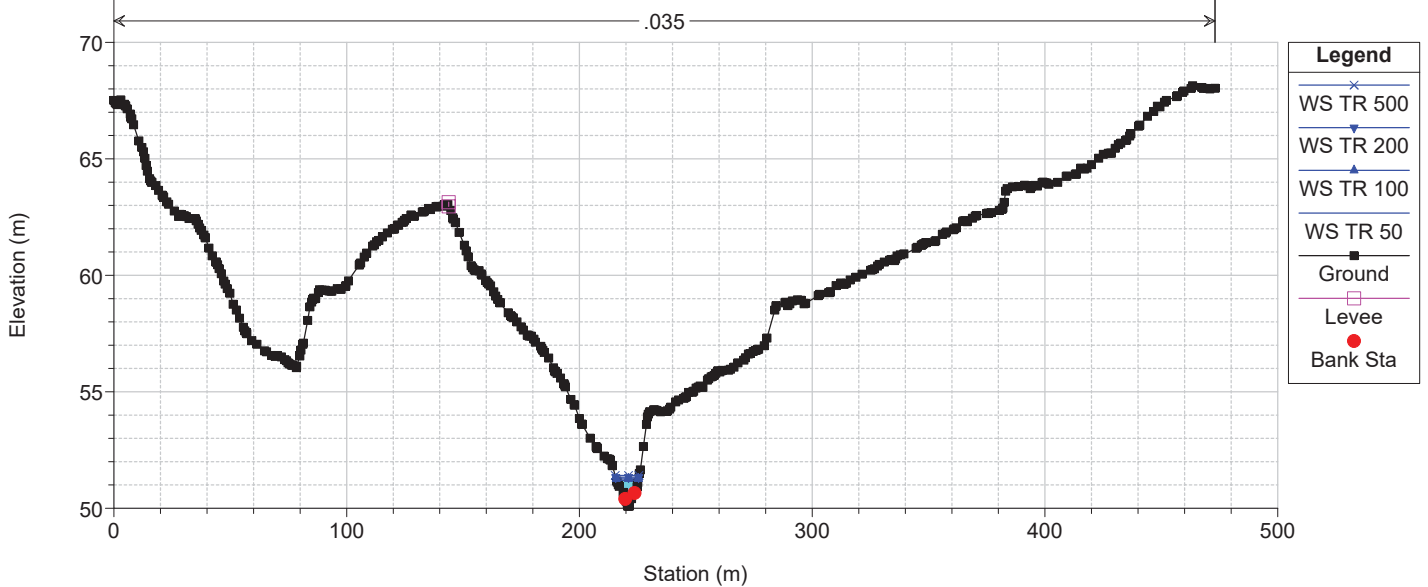
River = Canale_Oma_Molt Reach = F03 RS = 519.4462 Culv F02 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

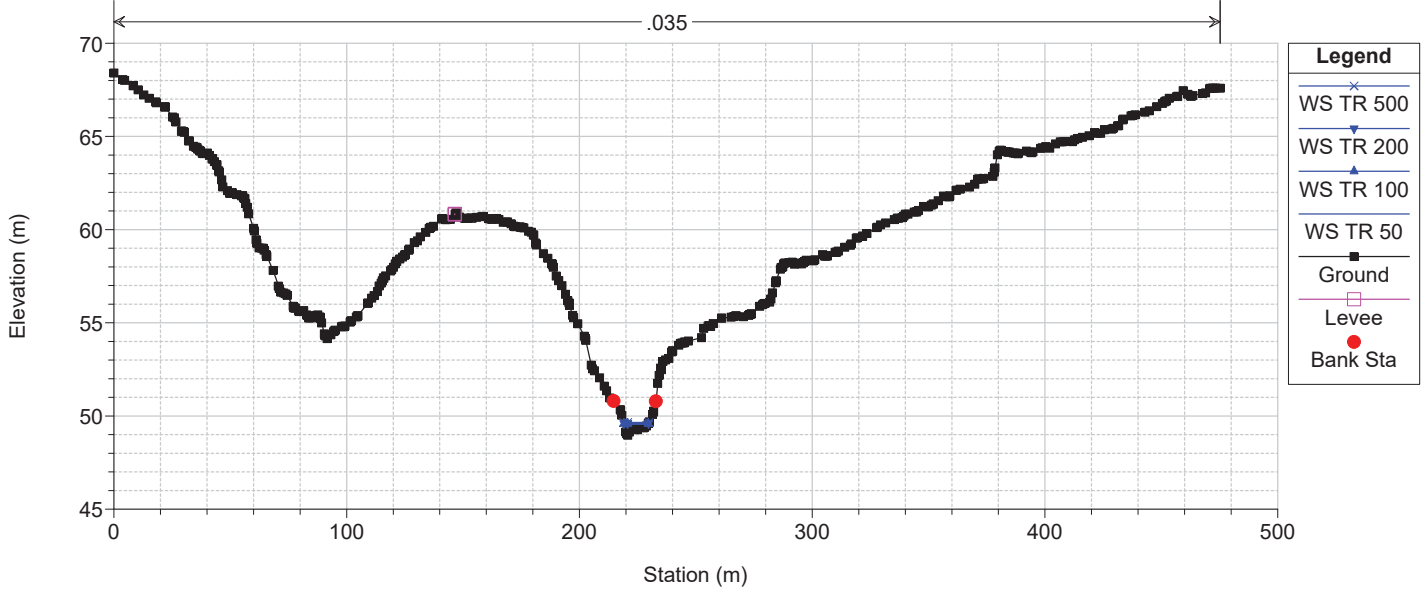
River = Canale_Oma_Molt Reach = F03 RS = 515.9536 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

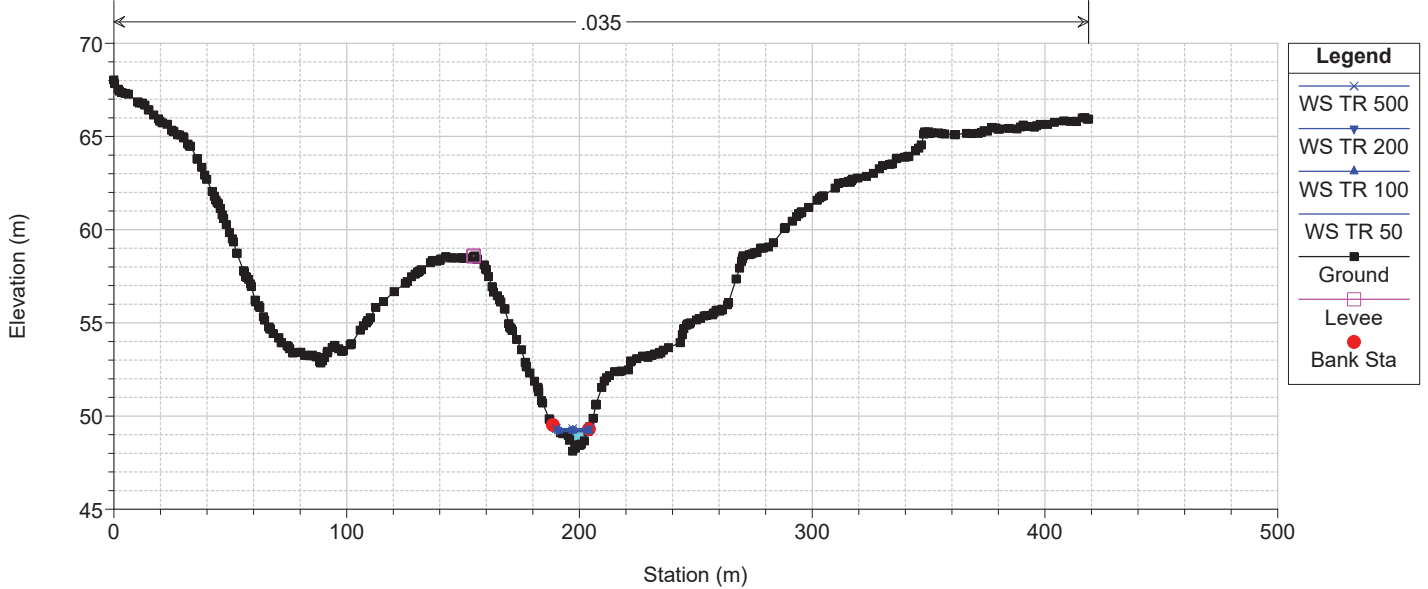
River = Canale_Oma_Molt Reach = F03 RS = 489.0027 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

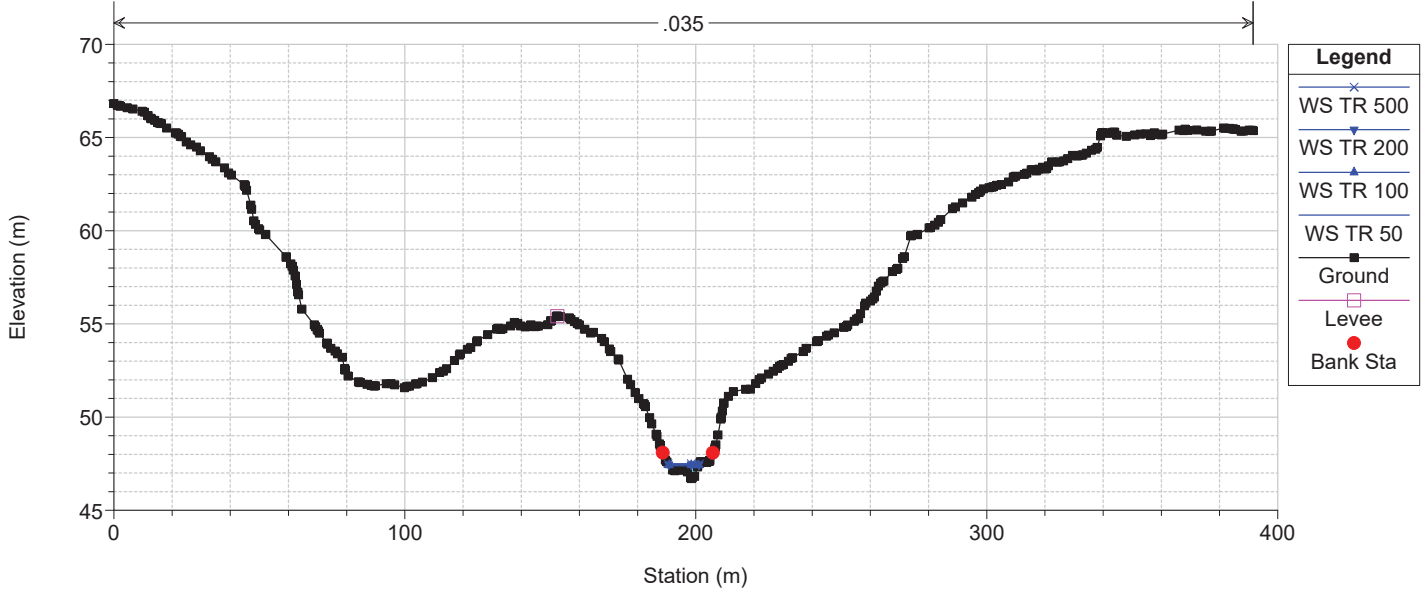
River = Canale_Oma_Molt Reach = F03 RS = 454.9953 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

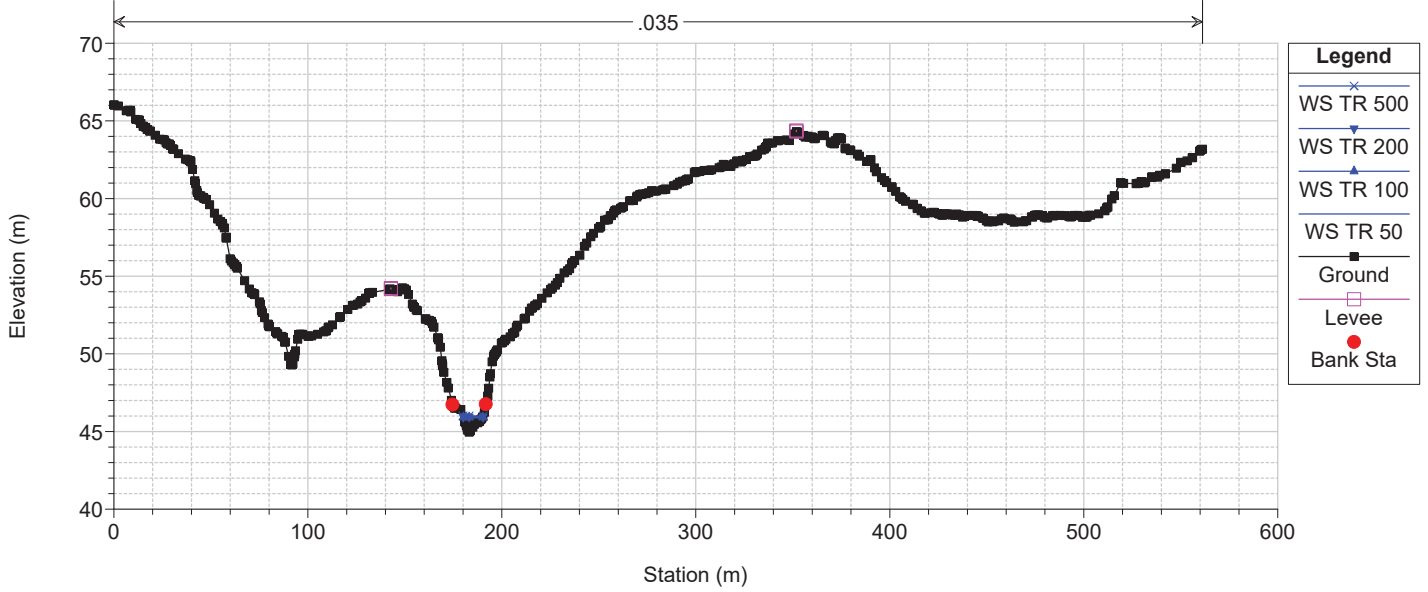
River = Canale_Oma_Molt Reach = F03 RS = 419.9637 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

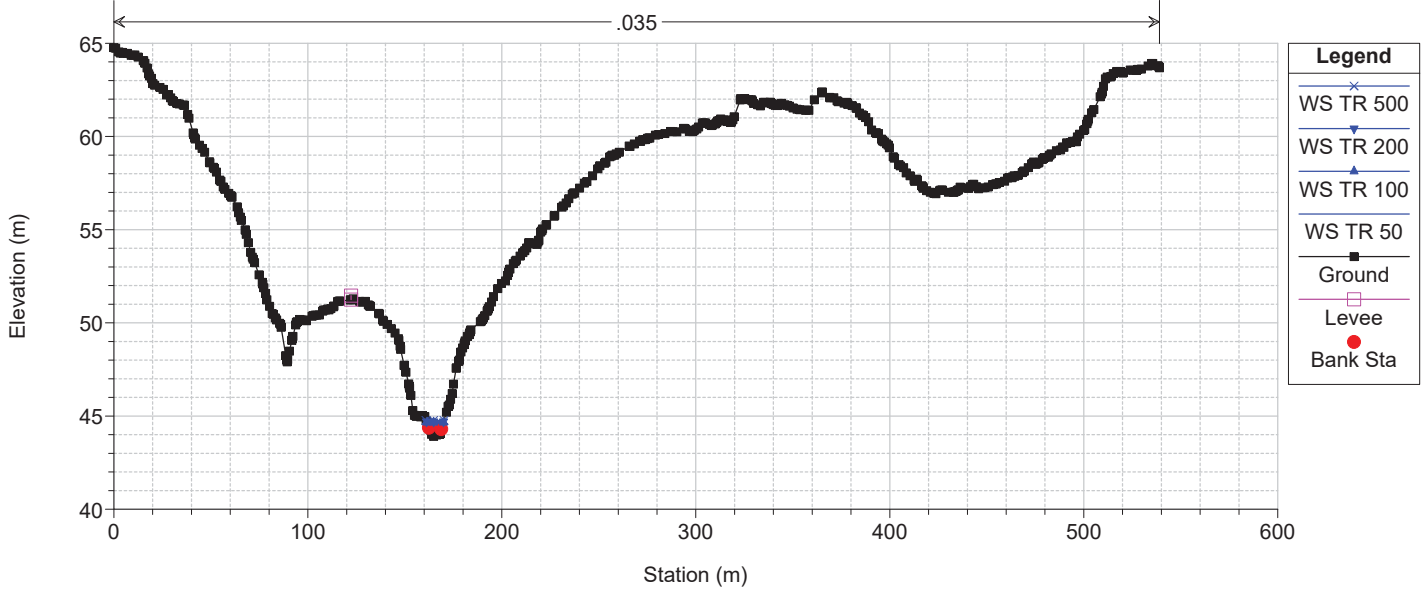
River = Canale_Oma_Molt Reach = F03 RS = 385.2423 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

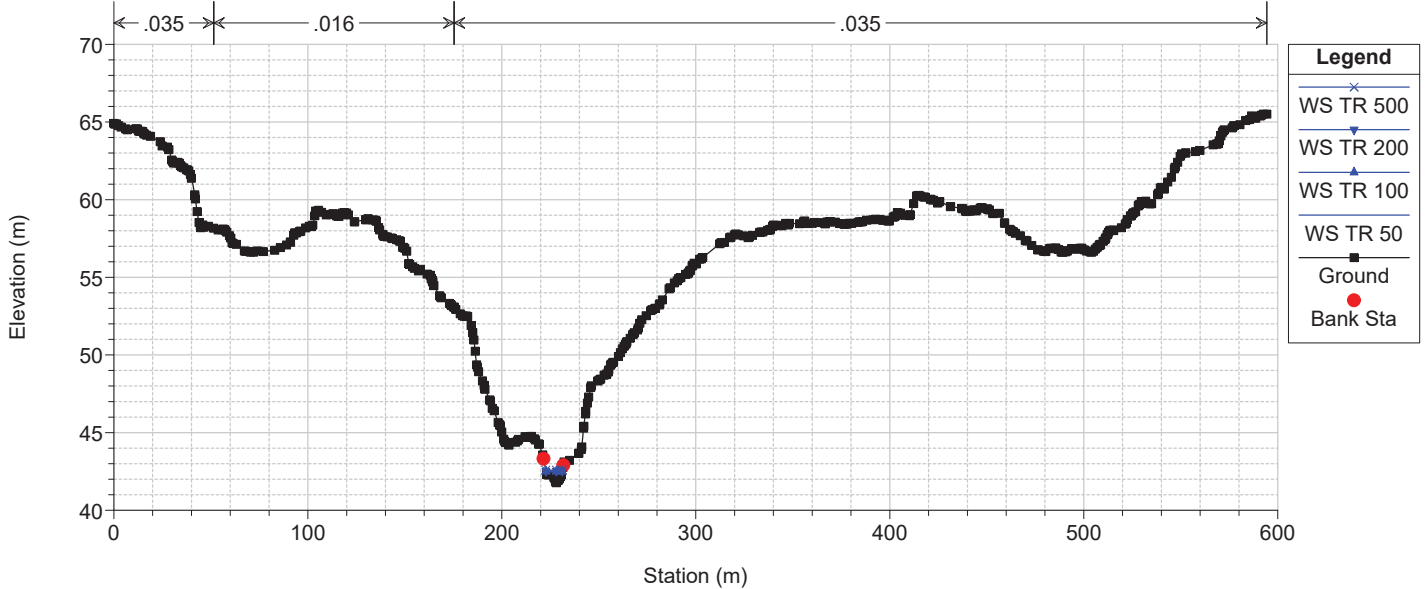
River = Canale_Oma_Molt Reach = F03 RS = 350.0001 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

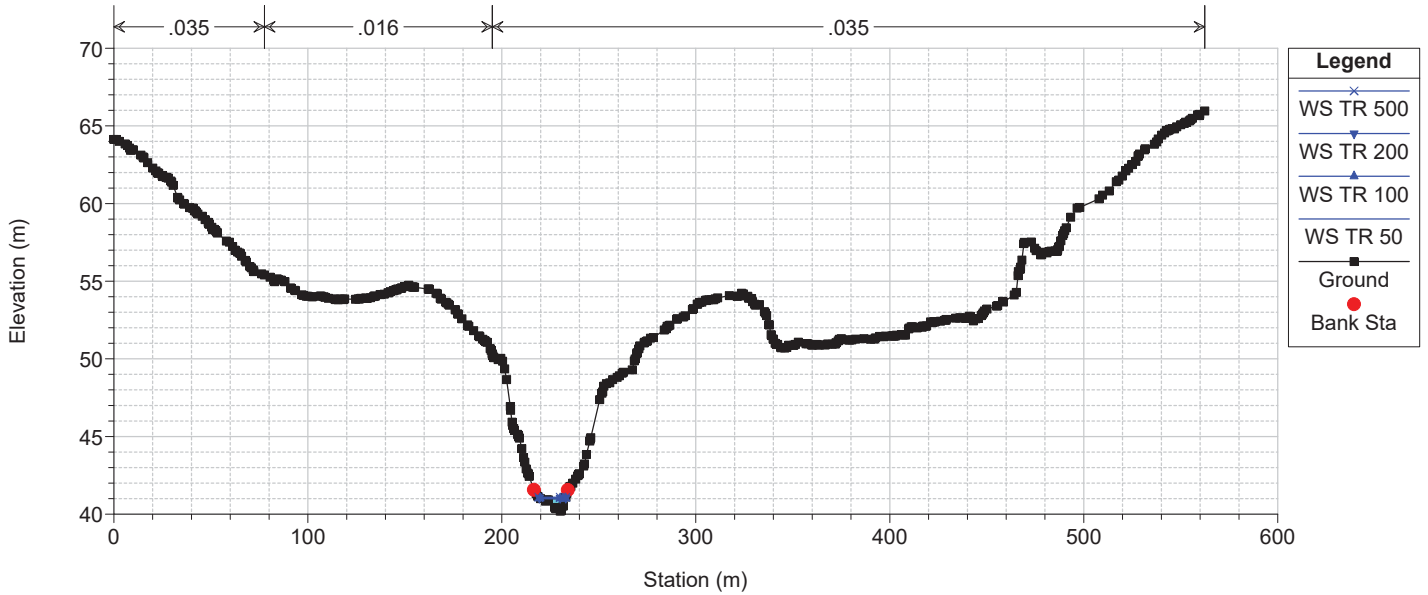
River = Canale_Oma_Molt Reach = F03 RS = 315.2616 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

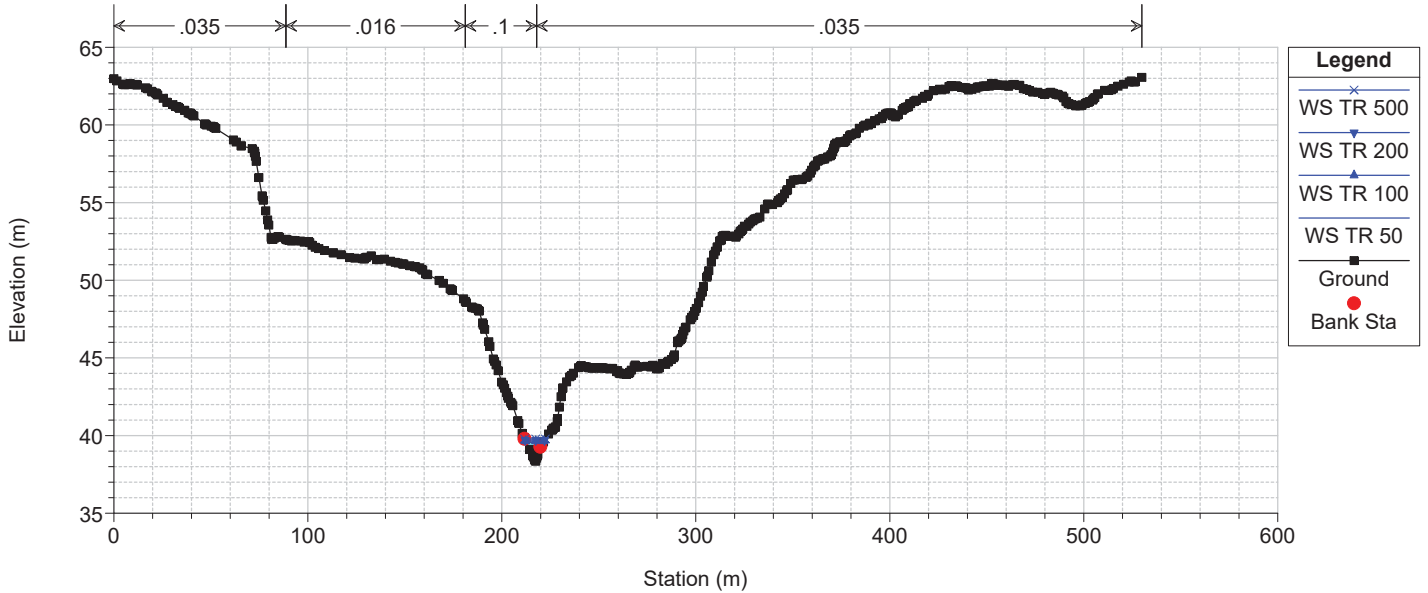
River = Canale_Oma_Molt Reach = F03 RS = 279.6613 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

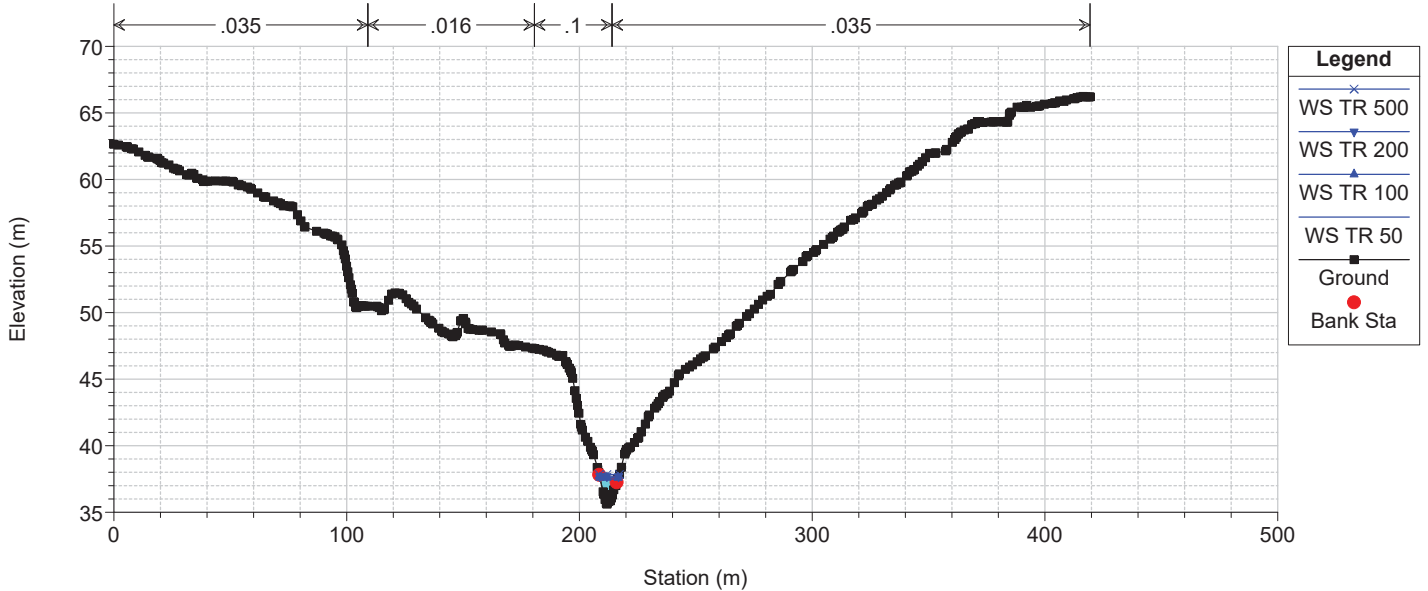
River = Canale_Oma_Molt Reach = F03 RS = 244.9618 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

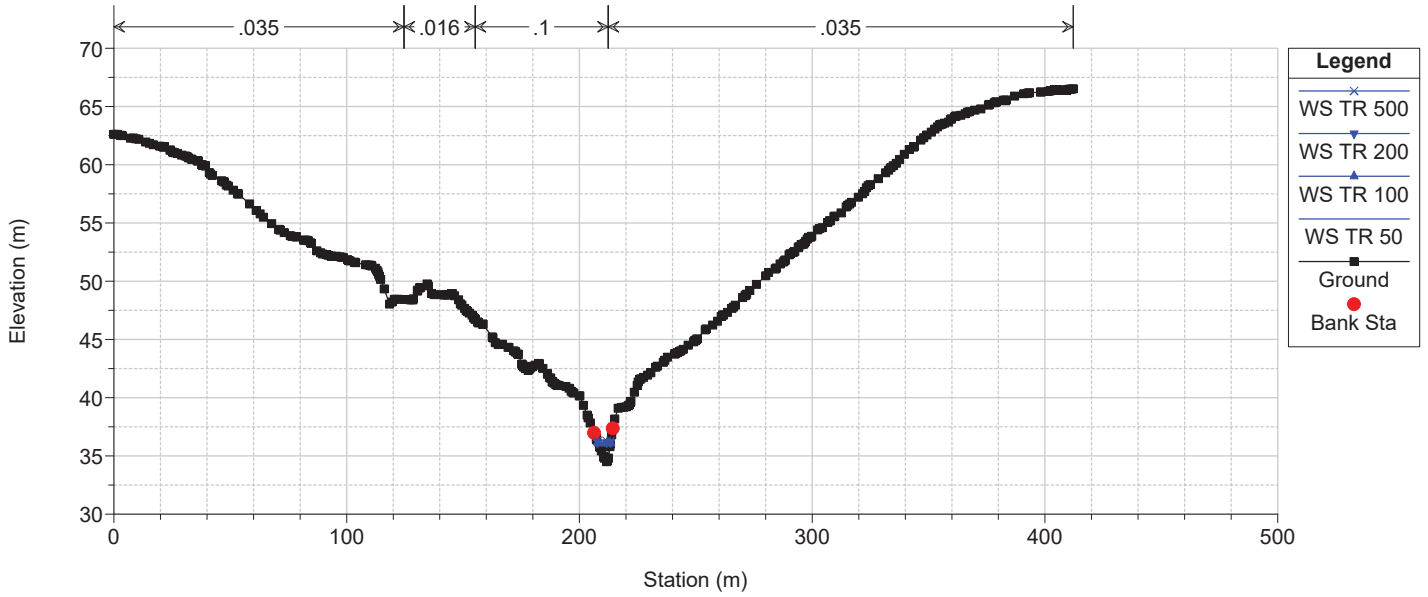
River = Canale_Oma_Molt Reach = F03 RS = 210 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

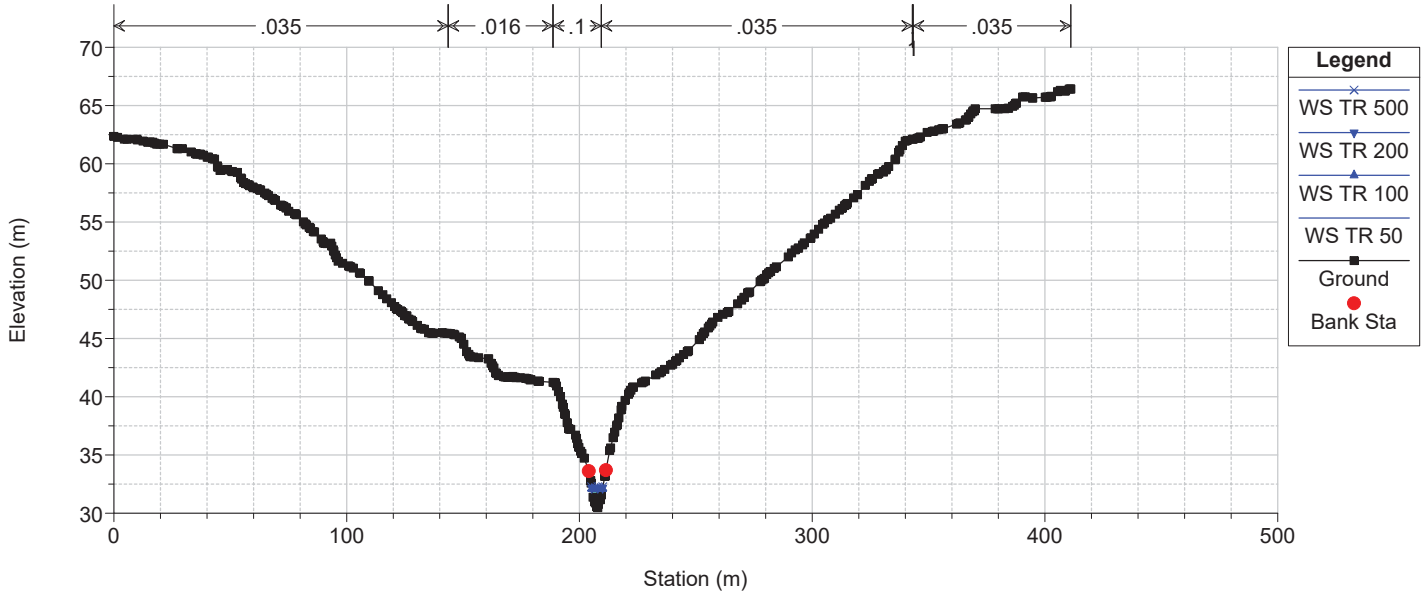
River = Canale_Oma_Molt Reach = F03 RS = 175 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

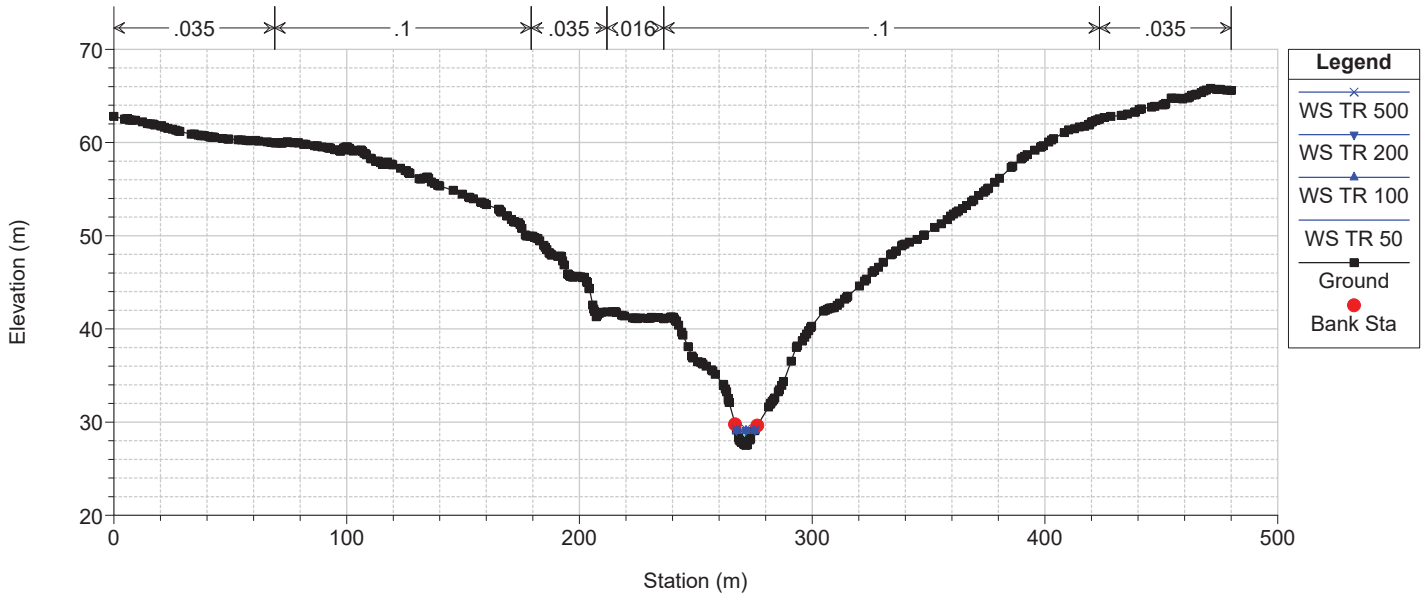
River = Canale_Oma_Molt Reach = F03 RS = 139.9449 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

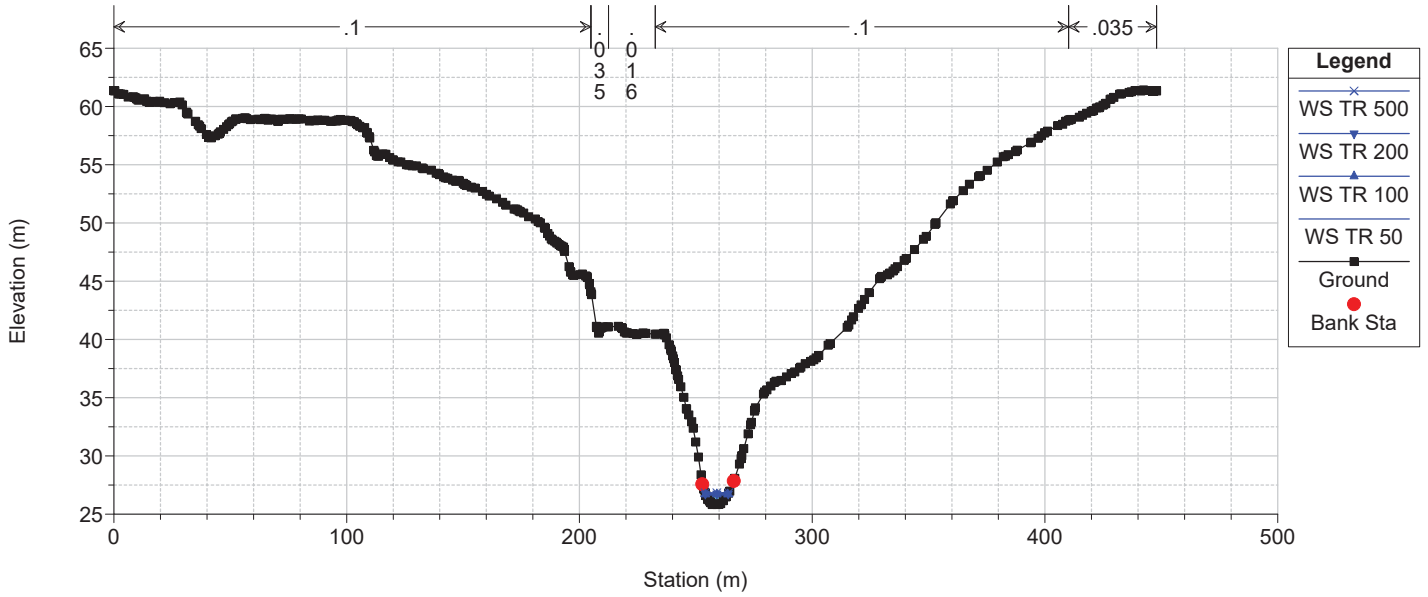
River = Canale_Oma_Molt Reach = F03 RS = 105 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

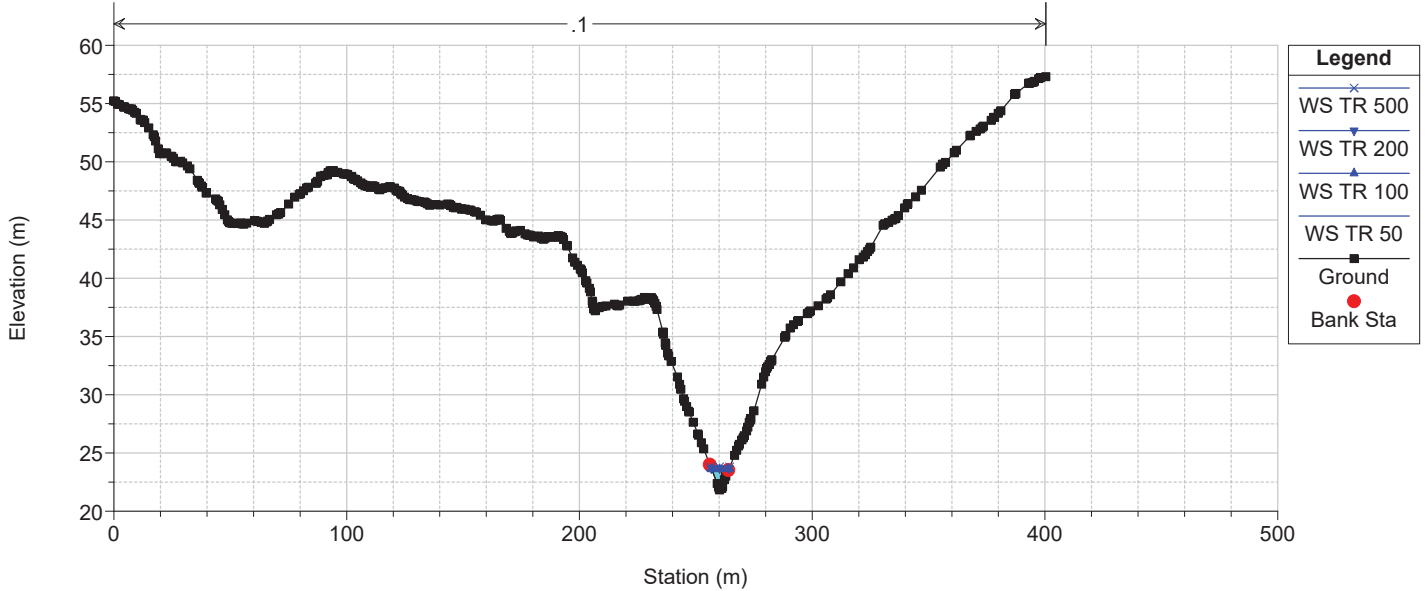
River = Canale_Oma_Molt Reach = F03 RS = 70.00002 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

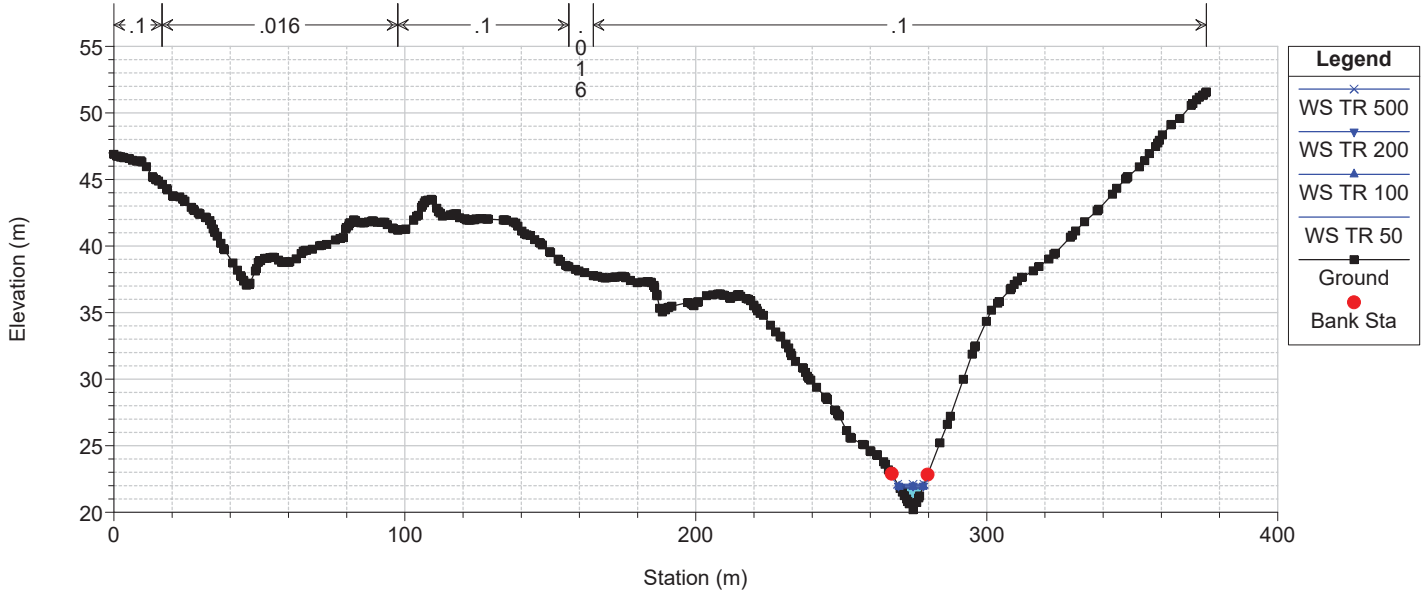
River = Canale_Oma_Molt Reach = F03 RS = 35.00007 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Canale_Oma_Molt Plan: Plan 01 4/13/2021

Geom: Canale_Oma_Molt Flow: Canale_Oma_Molt

River = Canale_Oma_Molt Reach = F03 RS = 0.144755 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



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
F03	1201.148	TR 50	10.54	72.63	73.16	73.16	73.39	0.015846	2.11	5.11	12.66	1.00
F03	1201.148	TR 100	12.13	72.63	73.25	73.25	73.45	0.010961	1.98	6.64	19.81	0.86
F03	1201.148	TR 200	13.76	72.63	73.29	73.29	73.49	0.010490	2.04	7.49	20.50	0.85
F03	1201.148	TR 500	16.04	72.63	73.35	73.35	73.56	0.010134	2.12	8.57	21.34	0.85
F03	1190	TR 50	10.54	72.58	73.06	73.06	73.20	0.014218	1.72	6.74	25.26	0.92
F03	1190	TR 100	12.13	72.58	73.02	73.09	73.26	0.027152	2.23	5.91	24.81	1.25
F03	1190	TR 200	13.76	72.58	73.04	73.11	73.31	0.028611	2.38	6.35	25.05	1.29
F03	1190	TR 500	16.04	72.58	73.07	73.15	73.37	0.030441	2.56	6.93	25.37	1.35
F03	1155	TR 50	10.54	71.37	72.45	72.50	72.68	0.014553	2.35	5.63	18.25	0.98
F03	1155	TR 100	12.13	71.37	72.53	72.54	72.72	0.010729	2.19	7.07	19.59	0.86
F03	1155	TR 200	13.76	71.37	72.54	72.57	72.77	0.012548	2.40	7.33	19.94	0.93
F03	1155	TR 500	16.04	71.37	72.58	72.58	72.83	0.013144	2.54	8.10	20.90	0.96
F03	1120	TR 50	10.54	71.17	71.55	71.64	71.85	0.044192	2.56	4.55	20.69	1.55
F03	1120	TR 100	12.13	71.17	71.55	71.67	71.95	0.059850	2.97	4.52	20.66	1.80
F03	1120	TR 200	13.76	71.17	71.58	71.70	71.96	0.049760	2.93	5.23	21.34	1.67
F03	1120	TR 500	16.04	71.17	71.61	71.75	72.02	0.046392	3.02	5.95	22.26	1.64
F03	1085	TR 50	10.54	69.06	70.14	70.24	70.52	0.031878	2.76	3.82	9.18	1.37
F03	1085	TR 100	12.13	69.06	70.21	70.29	70.58	0.026994	2.71	4.48	9.81	1.28
F03	1085	TR 200	13.76	69.06	70.24	70.34	70.66	0.028652	2.87	4.80	10.10	1.33
F03	1085	TR 500	16.04	69.06	70.29	70.41	70.75	0.028644	2.99	5.36	10.59	1.34
F03	1049.84	TR 50	10.54	67.94	68.83	68.96	69.30	0.038140	3.52	3.87	13.03	1.49
F03	1049.84	TR 100	12.13	67.94	68.84	69.00	69.39	0.043047	3.77	4.12	13.18	1.59
F03	1049.84	TR 200	13.76	67.94	68.88	69.04	69.43	0.043063	3.82	4.54	13.46	1.60
F03	1049.84	TR 500	16.04	67.94	68.91	69.10	69.49	0.045471	3.89	5.04	14.00	1.65
F03	1014.992	TR 50	10.54	67.90	68.42	68.42	68.60	0.016464	1.86	5.76	17.47	0.99
F03	1014.992	TR 100	12.13	67.90	68.46	68.46	68.65	0.015595	1.93	6.42	17.97	0.98
F03	1014.992	TR 200	13.76	67.90	68.49	68.49	68.70	0.015157	2.01	7.04	18.45	0.98
F03	1014.992	TR 500	16.04	67.90	68.54	68.54	68.76	0.014462	2.10	7.90	19.11	0.97
F03	980.0532	TR 50	10.54	67.09	67.49	67.57	67.78	0.034440	2.38	4.42	14.63	1.38
F03	980.0532	TR 100	12.13	67.09	67.52	67.60	67.84	0.035589	2.53	4.79	14.81	1.42
F03	980.0532	TR 200	13.76	67.09	67.54	67.64	67.90	0.035744	2.65	5.19	15.01	1.44
F03	980.0532	TR 500	16.04	67.09	67.58	67.69	67.98	0.036139	2.81	5.71	15.25	1.47
F03	945.2233	TR 50	10.54	65.91	66.82	66.88	67.06	0.013318	2.54	5.65	16.90	0.97
F03	945.2233	TR 100	12.13	65.91	66.86	66.90	67.11	0.013061	2.62	6.42	18.31	0.97
F03	945.2233	TR 200	13.76	65.91	66.89	66.96	67.16	0.013325	2.72	7.03	18.98	0.99
F03	945.2233	TR 500	16.04	65.91	66.94	67.01	67.22	0.013395	2.84	7.94	20.21	1.00
F03	910	TR 50	10.54	65.19	65.68	65.84	66.19	0.058040	3.37	3.51	13.30	1.82
F03	910	TR 100	12.13	65.19	65.71	65.88	66.25	0.057096	3.50	3.89	13.56	1.83
F03	910	TR 200	13.76	65.19	65.74	65.92	66.30	0.054278	3.58	4.31	14.02	1.80
F03	910	TR 500	16.04	65.19	65.78	65.96	66.38	0.051975	3.69	4.88	15.22	1.79
F03	874.3713	TR 50	10.54	64.29	64.90	64.93	65.11	0.016077	2.02	5.46	18.75	1.00
F03	874.3713	TR 100	12.13	64.29	64.94	64.97	65.16	0.016391	2.13	6.05	19.55	1.02
F03	874.3713	TR 200	13.76	64.29	64.96	65.01	65.21	0.016893	2.25	6.59	20.21	1.04
F03	874.3713	TR 500	16.04	64.29	65.00	65.06	65.28	0.017517	2.41	7.31	21.13	1.08
F03	840.0258	TR 50	10.54	62.96	63.79	63.96	64.26	0.039732	3.04	3.47	8.59	1.53
F03	840.0258	TR 100	12.13	62.96	64.22	64.01	64.29	0.003238	1.27	10.84	22.69	0.48
F03	840.0258	TR 200	13.76	62.96	64.30	64.05	64.37	0.002693	1.24	12.67	23.47	0.45
F03	840.0258	TR 500	16.04	62.96	64.35	64.10	64.43	0.002765	1.32	13.97	23.85	0.46
F03	804.6891	TR 50	10.54	62.42	63.95	62.89	63.95	0.000085	0.31	36.65	37.28	0.09
F03	804.6891	TR 100	12.13	62.42	64.26		64.27	0.000050	0.28	48.80	40.69	0.07
F03	804.6891	TR 200	13.76	62.42	64.34		64.34	0.000054	0.30	51.92	42.03	0.07
F03	804.6891	TR 500	16.04	62.42	64.40		64.40	0.000064	0.33	54.42	43.00	0.08
F03	766.7487	TR 50	10.54	60.77	63.95	61.95	63.95	0.000011	0.17	77.23	47.07	0.03
F03	766.7487	TR 100	12.13	60.77	64.26	61.98	64.26	0.000009	0.16	92.40	49.73	0.03
F03	766.7487	TR 200	13.76	60.77	64.34	62.02	64.34	0.000010	0.18	96.17	50.16	0.03
F03	766.7487	TR 500	16.04	60.77	64.40	62.06	64.40	0.000013	0.20	99.15	50.78	0.04
F03	761.411		Culvert									
F03	757.0124	TR 50	10.54	58.93	59.86	59.86	60.14	0.014944	2.35	4.49	8.21	0.99
F03	757.0124	TR 100	12.13	58.93	59.92	59.92	60.22	0.014673	2.46	4.97	8.57	1.00
F03	757.0124	TR 200	13.76	58.93	59.98	59.98	60.30	0.013961	2.52	5.51	8.98	0.99
F03	757.0124	TR 500	16.04	58.93	60.06	60.06	60.40	0.013114	2.61	6.26	9.42	0.97
F03	734.888	TR 50	10.54	57.91	58.61	58.90	59.50	0.057331	4.22	2.61	6.61	1.91
F03	734.888	TR 100	12.13	57.91	58.66	58.96	59.60	0.053684	4.36	2.96	7.22	1.88
F03	734.888	TR 200	13.76	57.91	58.71	59.02	59.70	0.051562	4.50	3.30	7.86	1.87
F03	734.888	TR 500	16.04	57.91	58.76	59.09	59.83	0.049802	4.70	3.76	8.41	1.86
F03	700.4095	TR 50	10.54	56.84	58.89	57.52	58.90	0.000151	0.51	22.12	15.06	0.12

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
F03	700.4095	TR 100	12.13	56.84	57.44	57.58	57.91	0.037991	3.04	4.00	9.79	1.52
F03	700.4095	TR 200	13.76	56.84	57.47	57.62	58.00	0.040079	3.23	4.26	9.88	1.57
F03	700.4095	TR 500	16.04	56.84	57.51	57.69	58.12	0.042015	3.46	4.63	10.02	1.63
F03	665.7533	TR 50	12.24	55.73	58.89		58.89	0.000019	0.23	58.84	32.79	0.05
F03	665.7533	TR 100	13.99	55.73	56.53	56.59	56.83	0.024427	2.42	5.77	14.20	1.22
F03	665.7533	TR 200	15.89	55.73	56.57	56.63	56.89	0.024185	2.52	6.31	14.58	1.22
F03	665.7533	TR 500	18.54	55.73	56.62	56.69	56.98	0.024365	2.65	6.99	15.01	1.24
F03	629.8459	TR 50	12.24	55.03	58.89		58.89	0.000005	0.15	100.69	45.98	0.03
F03	629.8459	TR 100	13.99	55.03	55.79	55.81	56.05	0.019081	2.28	6.13	13.86	1.09
F03	629.8459	TR 200	15.89	55.03	55.82	55.85	56.12	0.019170	2.40	6.63	14.06	1.10
F03	629.8459	TR 500	18.54	55.03	55.87	55.91	56.20	0.018916	2.54	7.32	14.34	1.11
F03	594.6951	TR 50	12.24	54.35	58.89		58.89	0.000003	0.12	135.71	57.00	0.02
F03	594.6951	TR 100	13.99	54.35	55.33	55.21	55.45	0.006337	1.62	9.20	18.26	0.66
F03	594.6951	TR 200	15.89	54.35	55.34	55.25	55.50	0.007426	1.78	9.50	18.39	0.72
F03	594.6951	TR 500	18.54	54.35	55.36	55.30	55.56	0.009056	2.00	9.85	18.55	0.80
F03	559.9532	TR 50	12.24	52.71	58.89	53.87	58.89	0.000001	0.08	205.88	73.33	0.01
F03	559.9532	TR 100	13.99	52.71	55.40	53.91	55.41	0.000081	0.39	40.29	28.28	0.09
F03	559.9532	TR 200	15.89	52.71	55.43	53.95	55.44	0.000099	0.43	41.22	28.57	0.10
F03	559.9532	TR 500	18.54	52.71	55.48	54.01	55.49	0.000124	0.49	42.45	28.99	0.11
F03	523.6519	TR 50	12.24	51.89	58.89	52.99	58.89	0.000000	0.05	376.63	104.93	0.01
F03	523.6519	TR 100	13.99	51.89	55.40	52.90	55.40	0.000015	0.24	86.86	51.97	0.04
F03	523.6519	TR 200	15.89	51.89	55.44	53.09	55.44	0.000018	0.27	88.58	52.43	0.05
F03	523.6519	TR 500	18.54	51.89	55.48	53.16	55.48	0.000023	0.31	90.90	53.19	0.05
F03	519.4462		Culvert									
F03	515.9536	TR 50	12.24	50.09	51.21	51.21	51.50	0.010384	2.63	5.51	9.24	0.89
F03	515.9536	TR 100	13.99	50.09	51.27	51.27	51.58	0.010300	2.74	6.08	9.52	0.90
F03	515.9536	TR 200	15.89	50.09	51.33	51.33	51.67	0.010139	2.84	6.70	9.81	0.90
F03	515.9536	TR 500	18.54	50.09	51.41	51.41	51.77	0.010073	2.98	7.49	10.18	0.91
F03	489.0027	TR 50	12.24	48.97	49.55	49.83	50.69	0.173232	4.72	2.59	10.17	2.99
F03	489.0027	TR 100	13.99	48.97	49.58	49.88	50.78	0.163712	4.85	2.88	10.40	2.94
F03	489.0027	TR 200	15.89	48.97	49.61	49.93	50.88	0.155303	4.98	3.19	10.63	2.91
F03	489.0027	TR 500	18.54	48.97	49.65	49.99	50.99	0.144433	5.13	3.61	10.89	2.85
F03	454.9953	TR 50	12.24	48.12	49.16	49.16	49.40	0.016092	2.14	5.72	12.28	1.00
F03	454.9953	TR 100	13.99	48.12	49.22	49.22	49.46	0.015631	2.20	6.36	12.85	1.00
F03	454.9953	TR 200	15.89	48.12	49.27	49.27	49.53	0.015380	2.26	7.02	13.41	1.00
F03	454.9953	TR 500	18.54	48.12	49.33	49.33	49.61	0.014936	2.34	7.91	14.10	1.00
F03	419.9637	TR 50	12.24	46.70	47.38	47.65	48.21	0.096012	4.01	3.05	9.78	2.29
F03	419.9637	TR 100	13.99	46.70	47.42	47.69	48.30	0.093788	4.15	3.37	10.07	2.29
F03	419.9637	TR 200	15.89	46.70	47.45	47.73	48.38	0.090405	4.27	3.72	10.38	2.28
F03	419.9637	TR 500	18.54	46.70	47.50	47.78	48.49	0.087044	4.42	4.19	10.78	2.27
F03	385.2423	TR 50	12.24	44.96	45.87	45.99	46.31	0.031966	2.91	4.21	9.58	1.40
F03	385.2423	TR 100	13.99	44.96	45.92	46.05	46.39	0.032517	3.04	4.60	9.92	1.42
F03	385.2423	TR 200	15.89	44.96	45.95	46.10	46.47	0.033156	3.18	5.00	10.20	1.45
F03	385.2423	TR 500	18.54	44.96	46.00	46.17	46.58	0.033851	3.37	5.50	10.44	1.48
F03	350.0001	TR 50	12.24	43.91	44.60	44.78	45.17	0.031490	3.39	3.75	8.03	1.45
F03	350.0001	TR 100	13.99	43.91	44.65	44.84	45.27	0.030313	3.52	4.17	8.41	1.45
F03	350.0001	TR 200	15.89	43.91	44.70	44.90	45.36	0.029287	3.65	4.61	8.80	1.44
F03	350.0001	TR 500	18.54	43.91	44.77	45.07	45.48	0.028322	3.83	5.19	9.27	1.44
F03	315.2616	TR 50	12.24	41.77	42.47	42.74	43.39	0.092500	4.25	2.88	8.19	2.29
F03	315.2616	TR 100	13.99	41.77	42.50	42.79	43.52	0.092647	4.46	3.14	8.29	2.32
F03	315.2616	TR 200	15.89	41.77	42.54	42.85	43.65	0.092491	4.67	3.41	8.40	2.34
F03	315.2616	TR 500	18.54	41.77	42.58	42.93	43.81	0.091054	4.90	3.78	8.54	2.35
F03	279.6613	TR 50	12.24	40.20	40.99	41.09	41.35	0.033963	2.65	4.62	12.76	1.41
F03	279.6613	TR 100	13.99	40.20	41.02	41.14	41.42	0.035130	2.79	5.02	13.19	1.44
F03	279.6613	TR 200	15.89	40.20	41.05	41.18	41.49	0.036316	2.93	5.43	13.57	1.48
F03	279.6613	TR 500	18.54	40.20	41.09	41.24	41.59	0.038163	3.12	5.95	14.05	1.53
F03	244.9618	TR 50	12.24	38.35	39.58	39.58	39.87	0.075297	2.39	5.13	8.81	0.93
F03	244.9618	TR 100	13.99	38.35	39.64	39.64	39.95	0.073337	2.45	5.72	9.38	0.93
F03	244.9618	TR 200	15.89	38.35	39.70	39.70	40.03	0.072484	2.51	6.31	9.94	0.92
F03	244.9618	TR 500	18.54	38.35	39.78	39.78	40.13	0.071311	2.58	7.10	10.64	0.92
F03	210	TR 50	12.24	35.61	37.49	36.95	37.61	0.016623	1.52	8.07	7.44	0.46
F03	210	TR 100	13.99	35.61	37.60	37.03	37.72	0.016649	1.58	8.86	7.81	0.46
F03	210	TR 200	15.89	35.61	37.70	37.11	37.84	0.016695	1.65	9.69	8.17	0.46
F03	210	TR 500	18.54	35.61	37.83	37.22	37.98	0.016683	1.73	10.79	8.63	0.47
F03	175	TR 50	12.24	34.50	35.98	35.98	36.41	0.099343	2.90	4.22	4.93	1.00
F03	175	TR 100	13.99	34.50	36.07	36.07	36.52	0.097114	2.98	4.69	5.19	1.00

HEC-RAS Plan: Plan 01 River: Canale_Oma_Molt Reach: F03 (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
F03	175	TR 200	15.89	34.50	36.16	36.16	36.64	0.094991	3.06	5.19	5.45	1.00
F03	175	TR 500	18.54	34.50	36.29	36.29	36.79	0.092488	3.16	5.87	5.78	1.00
F03	139.9449	TR 50	12.24	30.48	32.01	32.02	32.48	0.125013	3.04	4.03	4.39	1.01
F03	139.9449	TR 100	13.99	30.48	32.09	32.12	32.61	0.127511	3.19	4.38	4.52	1.04
F03	139.9449	TR 200	15.89	30.48	32.17	32.22	32.74	0.129882	3.35	4.74	4.66	1.06
F03	139.9449	TR 500	18.54	30.48	32.28	32.35	32.91	0.132449	3.54	5.23	4.83	1.09
F03	105	TR 50	12.24	27.50	28.99	28.64	29.14	0.037802	1.75	7.01	7.51	0.58
F03	105	TR 100	13.99	27.50	29.07	28.72	29.24	0.038778	1.83	7.65	7.78	0.59
F03	105	TR 200	15.89	27.50	29.15	28.79	29.34	0.039764	1.91	8.32	8.04	0.60
F03	105	TR 500	18.54	27.50	29.26	28.89	29.47	0.041026	2.02	9.20	8.36	0.61
F03	70.00002	TR 50	12.24	25.82	26.64	26.64	26.92	0.125361	2.37	5.17	9.23	1.01
F03	70.00002	TR 100	13.99	25.82	26.70	26.70	27.00	0.122863	2.45	5.72	9.54	1.01
F03	70.00002	TR 200	15.89	25.82	26.76	26.76	27.08	0.120371	2.52	6.30	9.86	1.01
F03	70.00002	TR 500	18.54	25.82	26.83	26.83	27.18	0.117683	2.62	7.07	10.24	1.01
F03	35.00007	TR 50	12.24	21.83	23.52	23.24	23.72	0.050854	1.94	6.30	7.03	0.66
F03	35.00007	TR 100	13.99	21.83	23.61	23.32	23.82	0.051083	2.03	6.89	7.36	0.66
F03	35.00007	TR 200	15.89	21.83	23.69	23.41	23.92	0.051058	2.12	7.52	7.70	0.67
F03	35.00007	TR 500	18.54	21.83	23.80	23.51	24.05	0.051191	2.23	8.38	8.14	0.68
F03	0.144755	TR 50	12.24	20.19	21.82	21.54	22.00	0.047550	1.85	6.63	7.84	0.64
F03	0.144755	TR 100	13.99	20.19	21.91	21.62	22.10	0.047542	1.91	7.32	8.21	0.65
F03	0.144755	TR 200	15.89	20.19	22.00	21.70	22.19	0.047535	1.97	8.05	8.58	0.65
F03	0.144755	TR 500	18.54	20.19	22.11	21.80	22.32	0.047530	2.06	9.02	9.05	0.66

Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q Culv Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	Culv Vel US (m/s)	Culv Vel DS (m/s)
F03	761.411 Culvert #1	TR 50	63.95	63.95	63.66	63.95	64.27	10.54		4.09	4.42	8.31
F03	761.411 Culvert #1	TR 100	64.26	64.26	63.79	64.26	64.27	12.13		4.35	4.63	8.50
F03	761.411 Culvert #1	TR 200	64.34	64.34	63.92	64.34	64.27	12.52	1.23	4.36	4.68	8.54
F03	761.411 Culvert #1	TR 500	64.40	64.40	64.04	64.40	64.27	12.84	3.20	4.34	4.72	8.57
F03	519.4462 Culvert #1	TR 50	58.89	58.89	58.89	55.85	55.14	4.41	7.85	7.69	6.84	10.88
F03	519.4462 Culvert #1	TR 100	55.40	55.40	59.62	55.40	55.14	4.65	9.35	4.14	7.20	7.20
F03	519.4462 Culvert #1	TR 200	55.44	55.44	59.55	55.44	55.14	4.63	11.25	4.11	7.17	7.17
F03	519.4462 Culvert #1	TR 500	55.48	55.48	59.48	55.48	55.14	4.61	13.94	4.07	7.14	7.14

COMUNE DI ALGHERO

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale ai sensi dell'art.8 comma 2 delle N.A. del PAI

Area di indagine: **TERRITORIO COMUNALE**

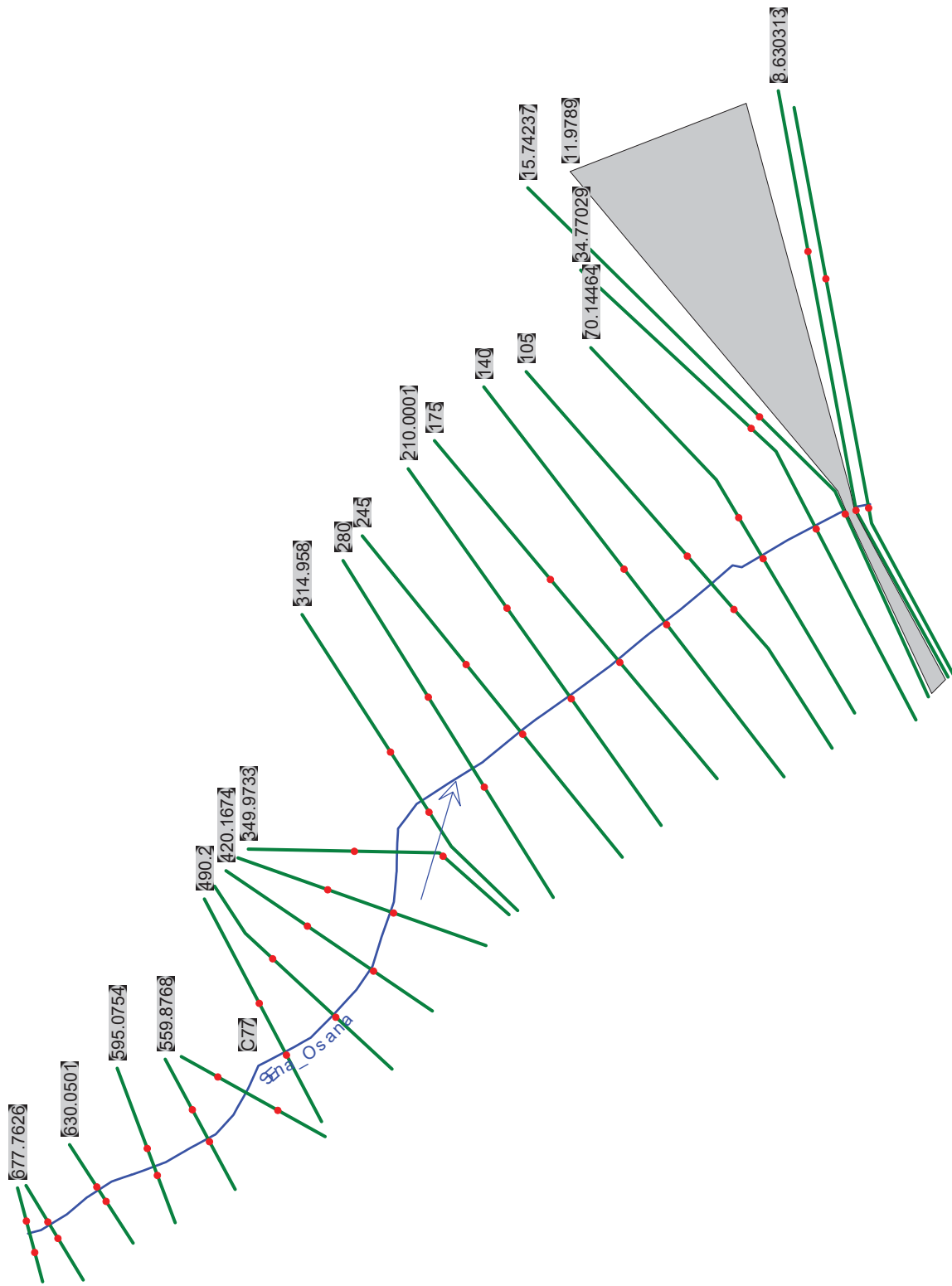
SIMULAZIONI IN MOTO PERMANENTE

Modello 9 - rio S'Ena Osana

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per i tempi di ritorno 50, 100, 200 e 500 anni;

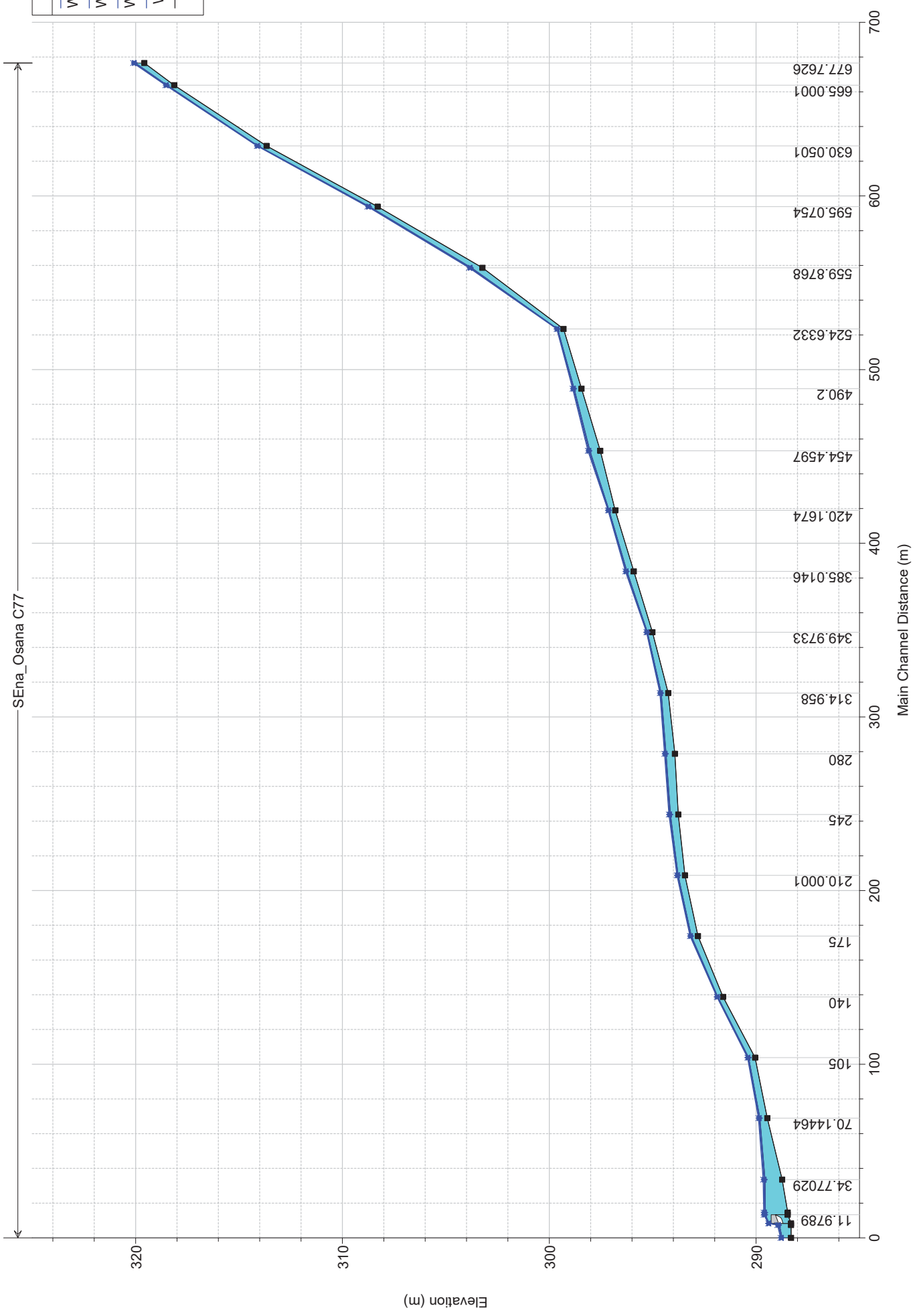
River	Reach	RS	PORTATE mc/s			
			TR 50	TR 100	TR 200	TR 500
SEna_Osana	C77	677.7626	11.738	13.461	15.234	17.759

River	Reach	PROFILI	condizioni al contorno	
			upstream	downstream
SEna_Osana	C77	all	Critical Depth	Critical Depth



Riu_SEna_Osana Plan: Plan 01 4/13/2021
 Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.
 SEna_Osana C77

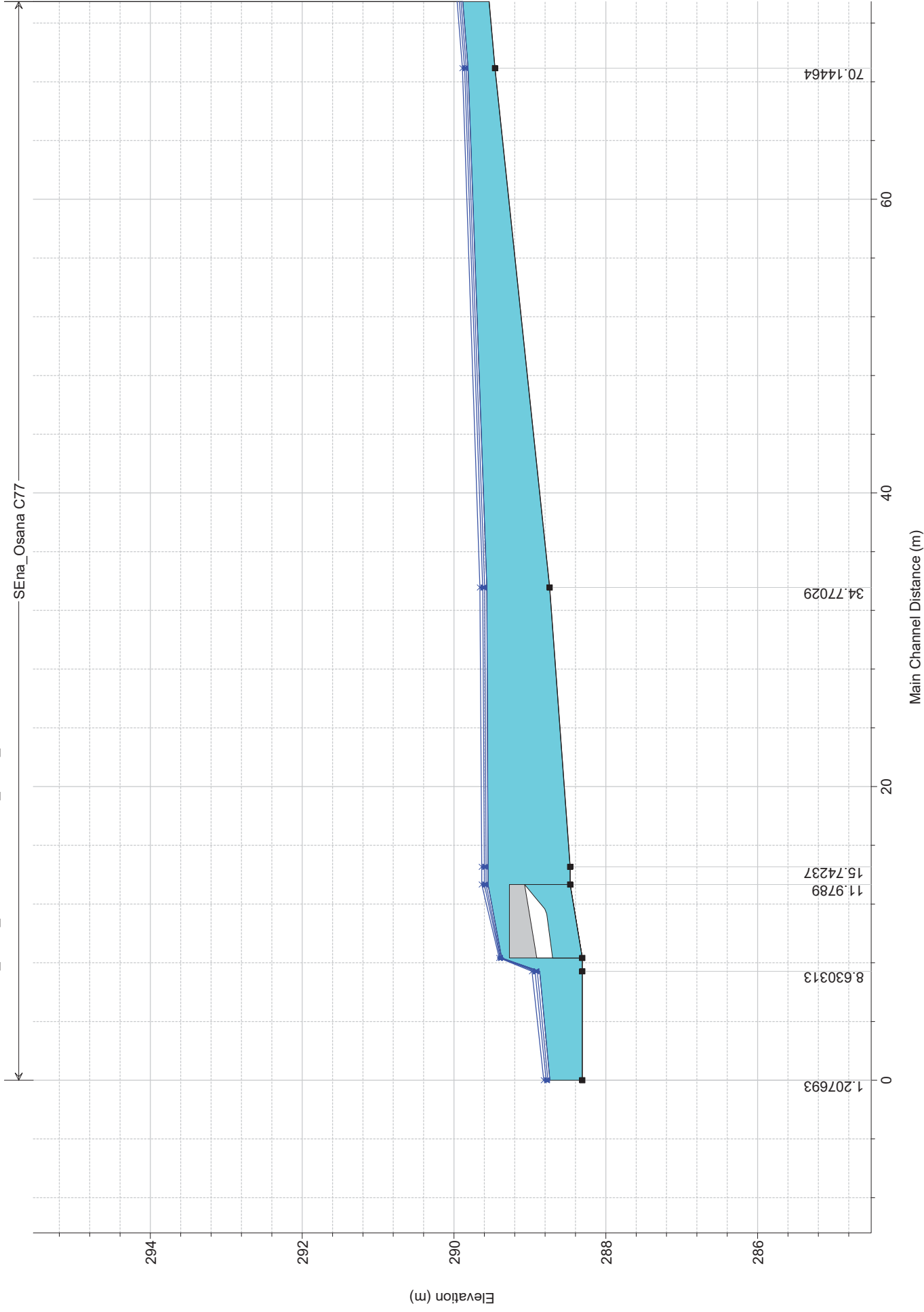
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WS TR 100	▲
WS TR 50	■
Ground	■



Riu_SEna_Osana Plan: Plan 01 4/13/2021
Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

SEna_Osana C77

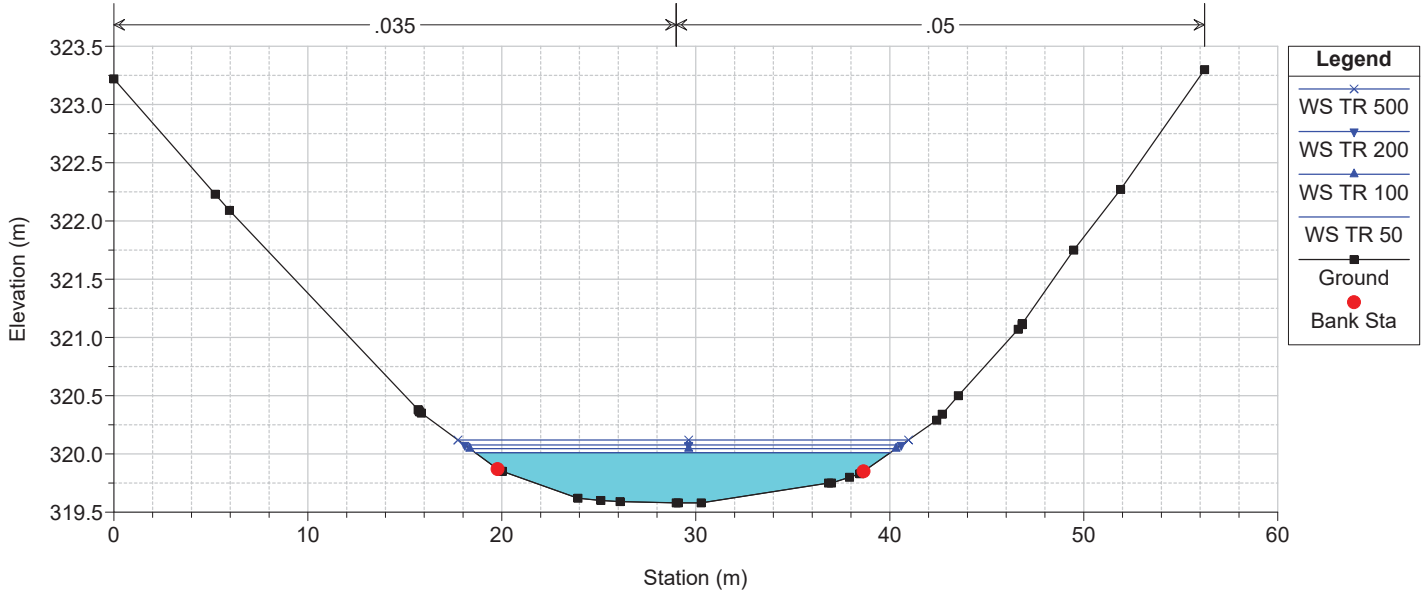
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WS TR 200	▶
WS TR 100	▲
WS TR 50	■
Ground	■



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

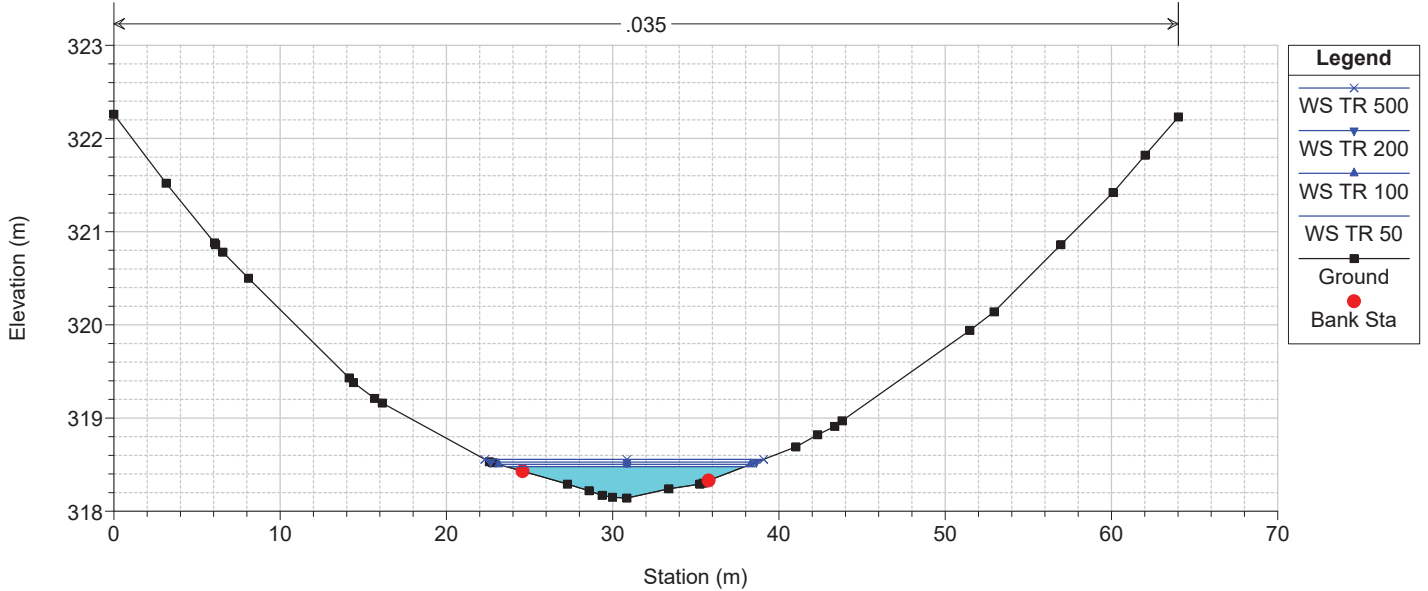
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Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

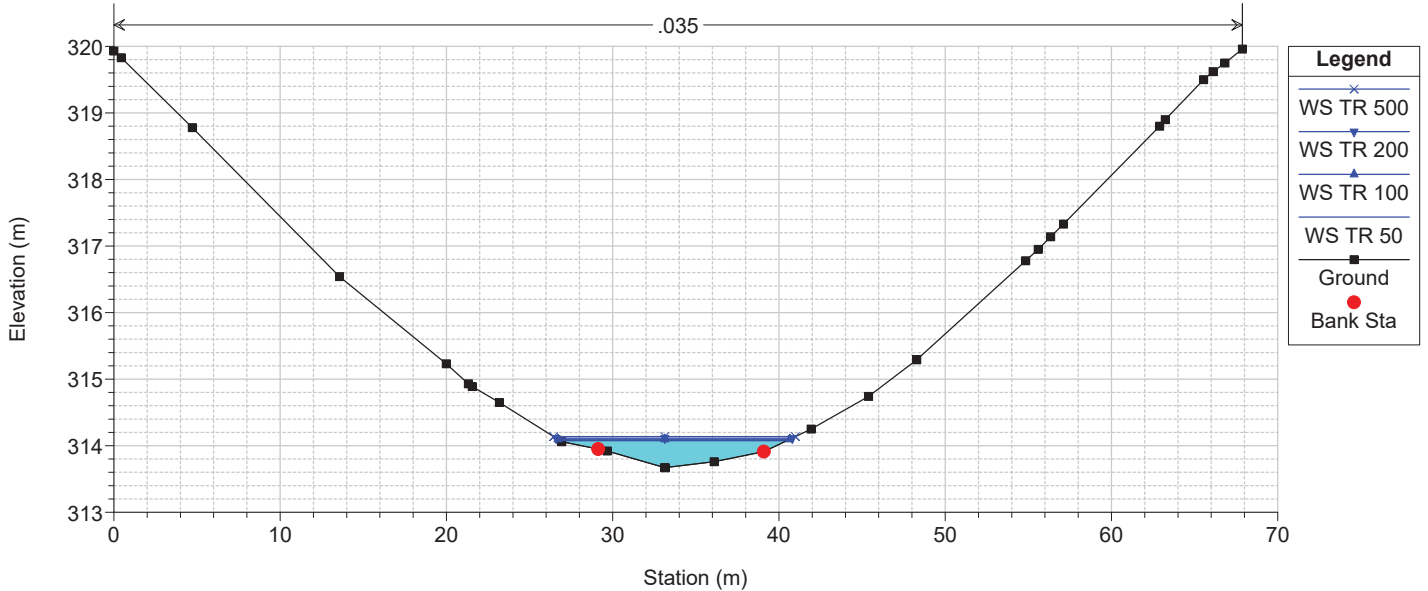
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Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

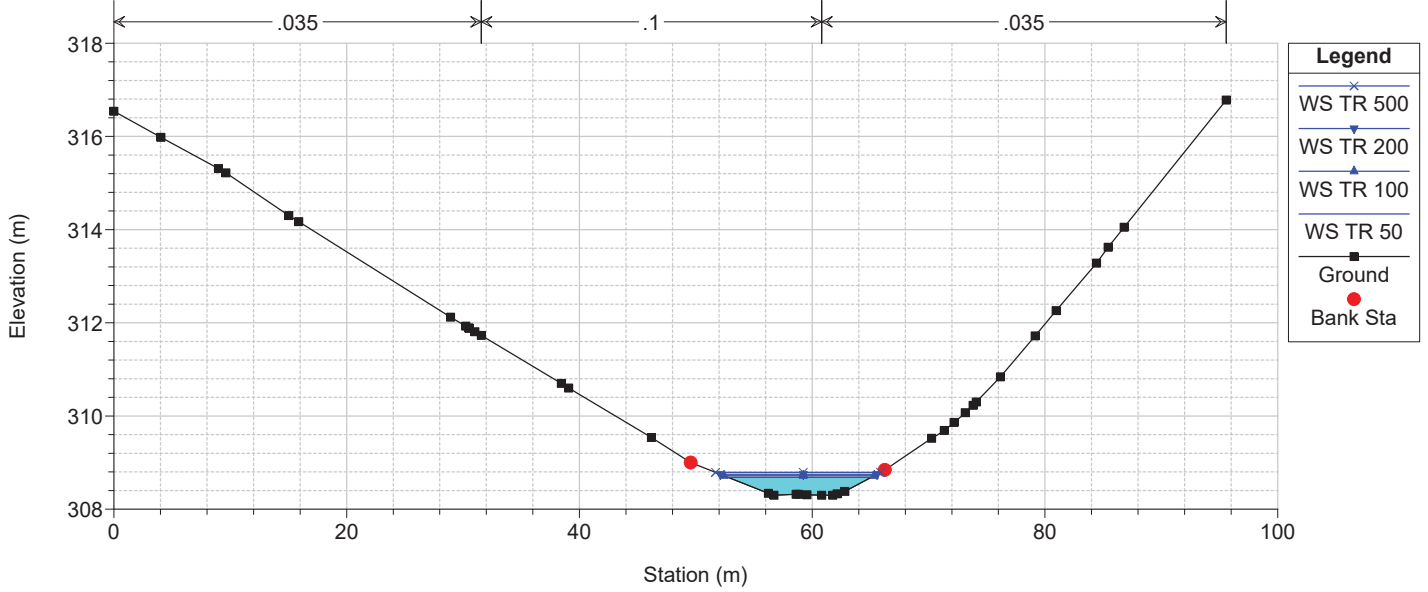
River = SEna_Osana Reach = C77 RS = 630.0501 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

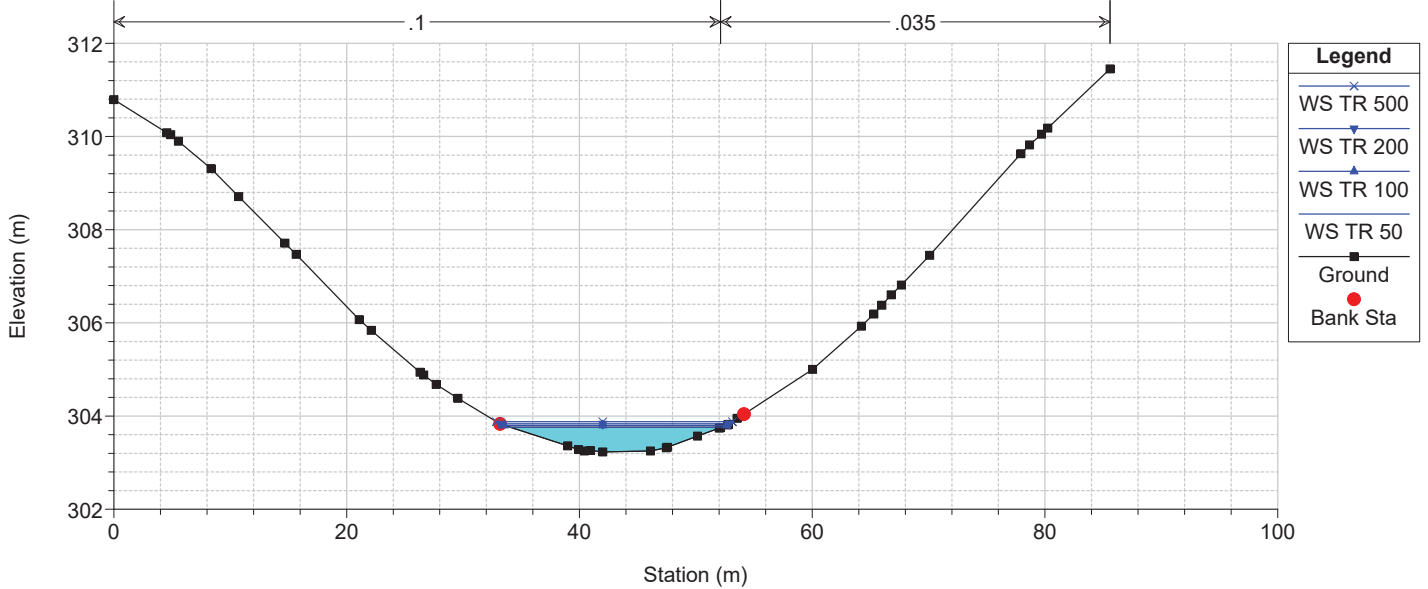
River = SEna_Osana Reach = C77 RS = 595.0754 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

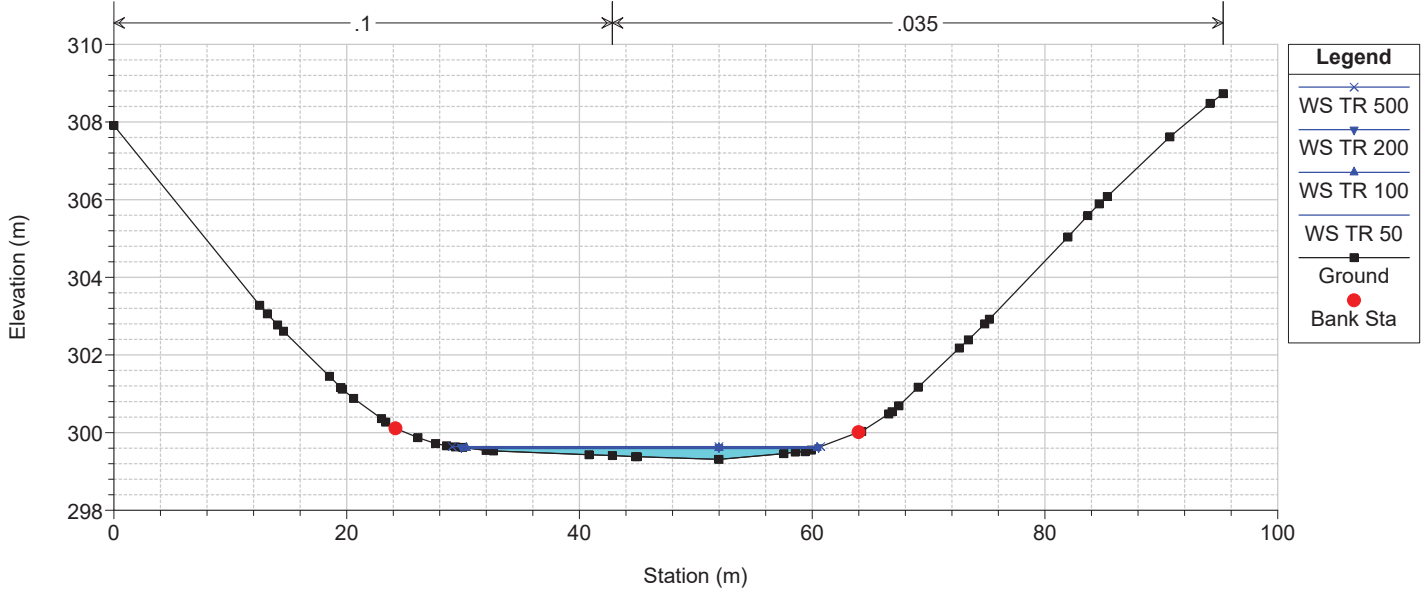
River = SEna_Osana Reach = C77 RS = 559.8768 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

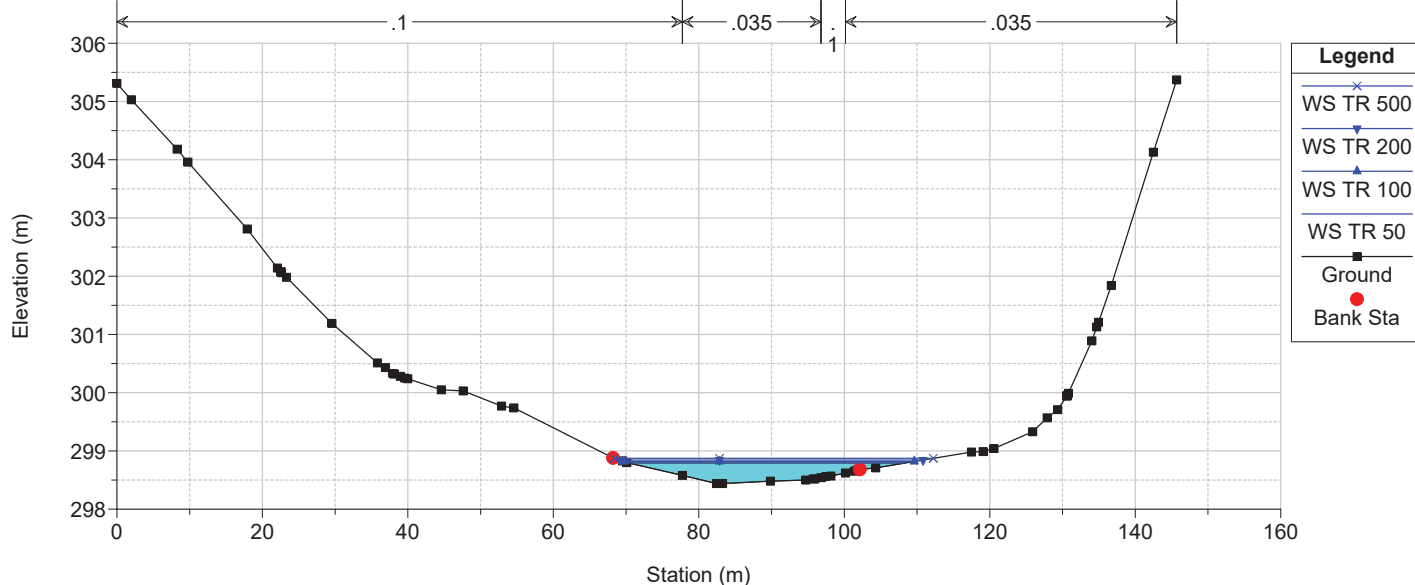
River = SEna_Osana Reach = C77 RS = 524.6332 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

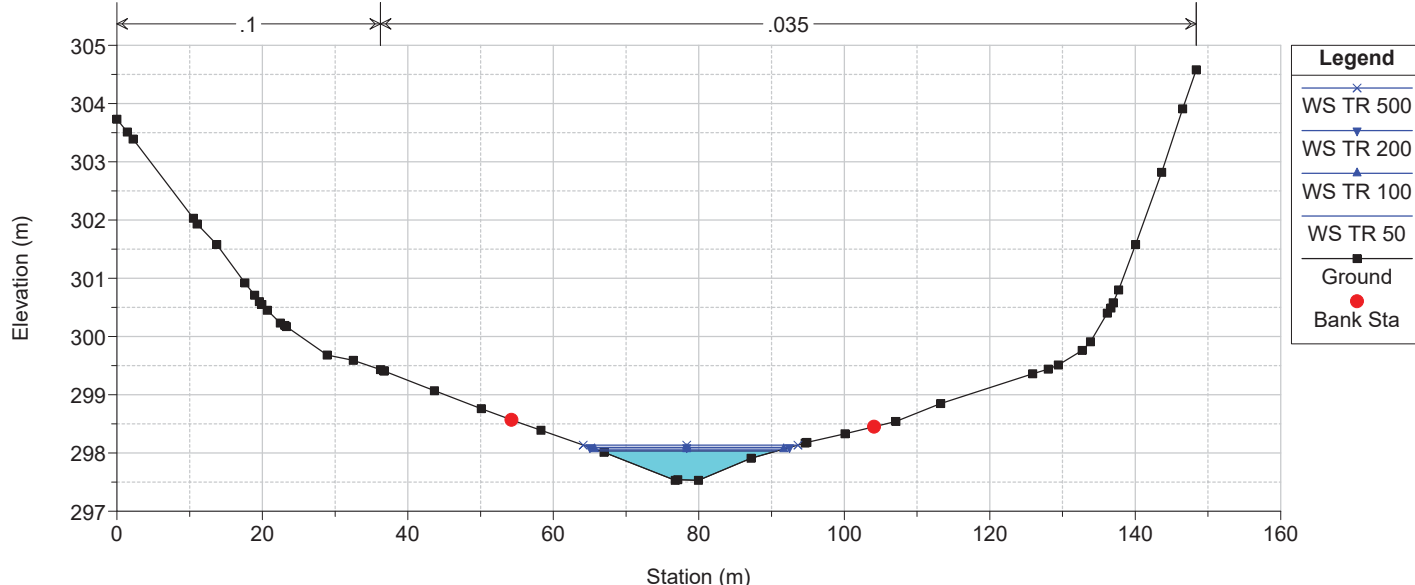
River = SEna_Osana Reach = C77 RS = 490.2 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

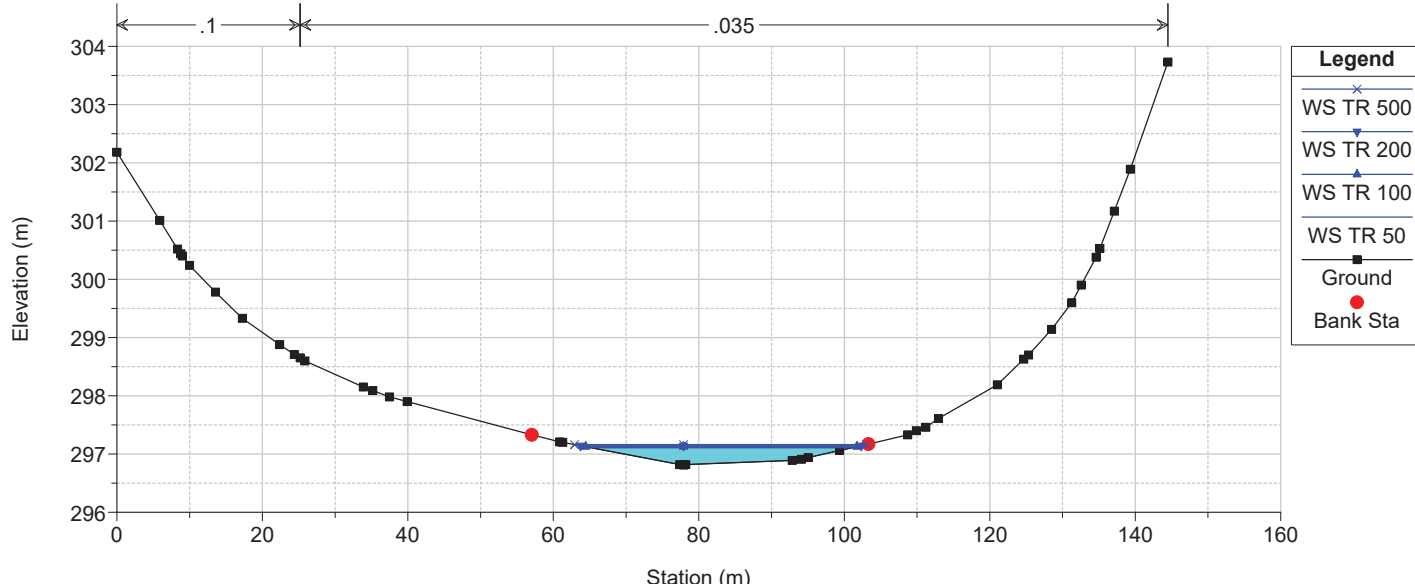
River = SEna_Osana Reach = C77 RS = 454.4597 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

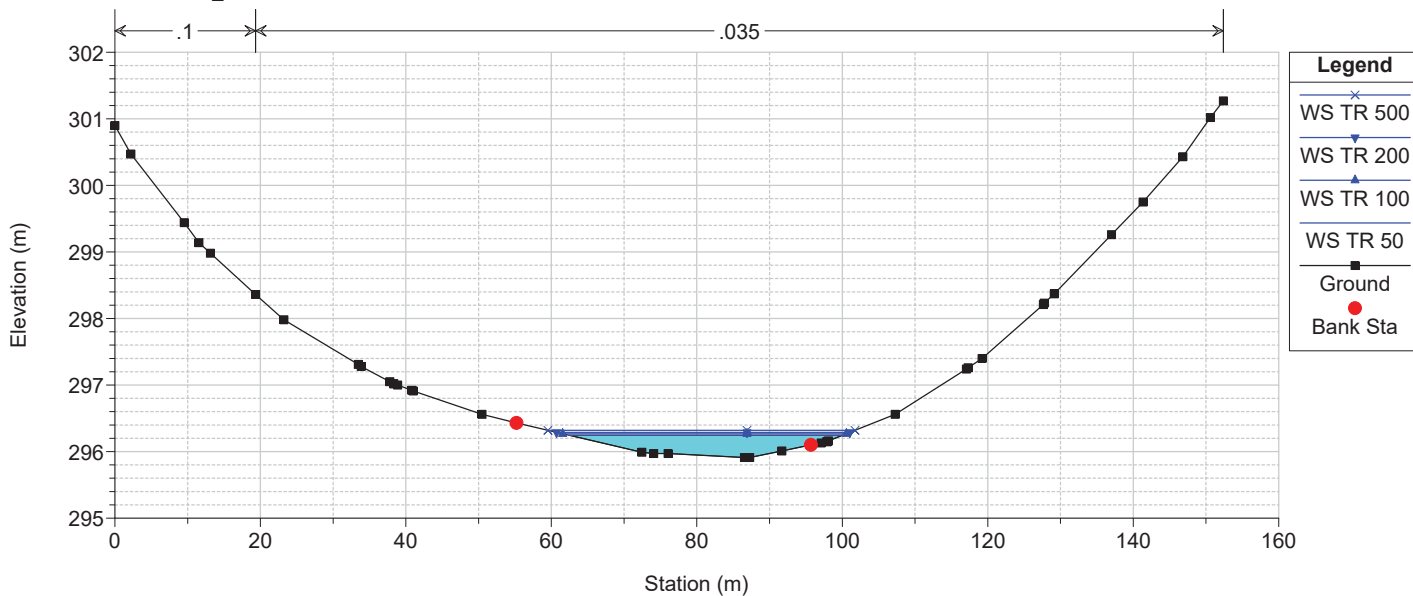
River = SEna_Osana Reach = C77 RS = 420.1674 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

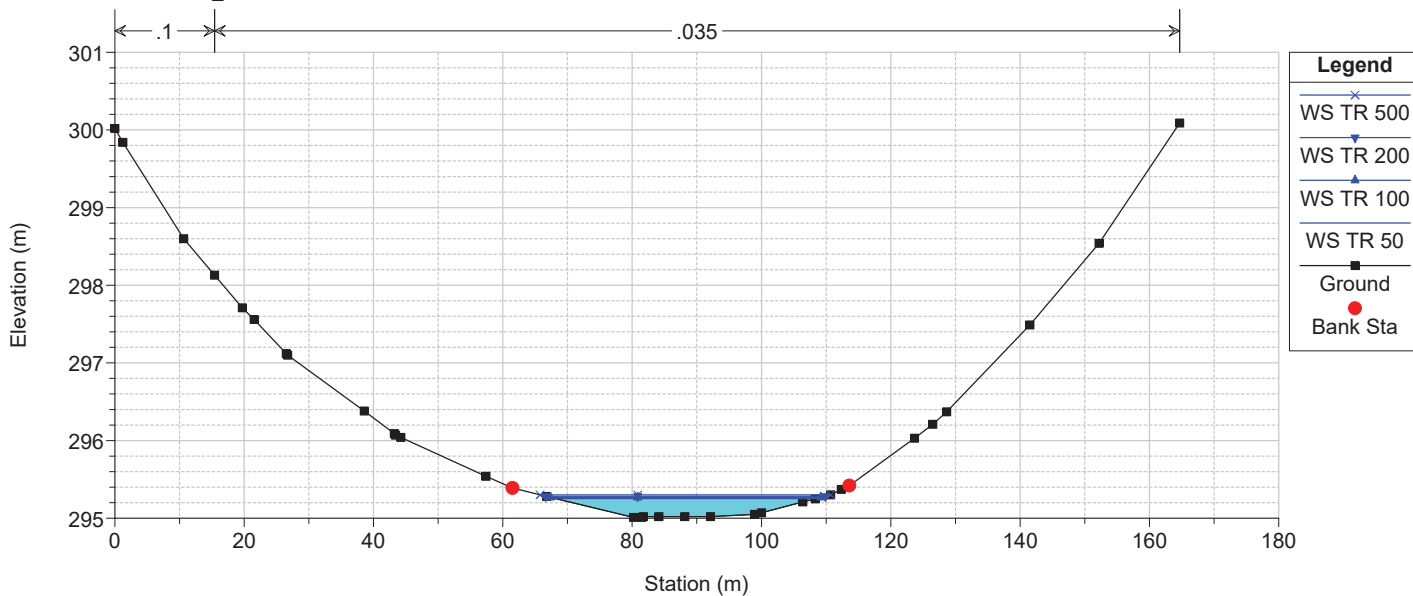
River = SEna_Osana Reach = C77 RS = 385.0146 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

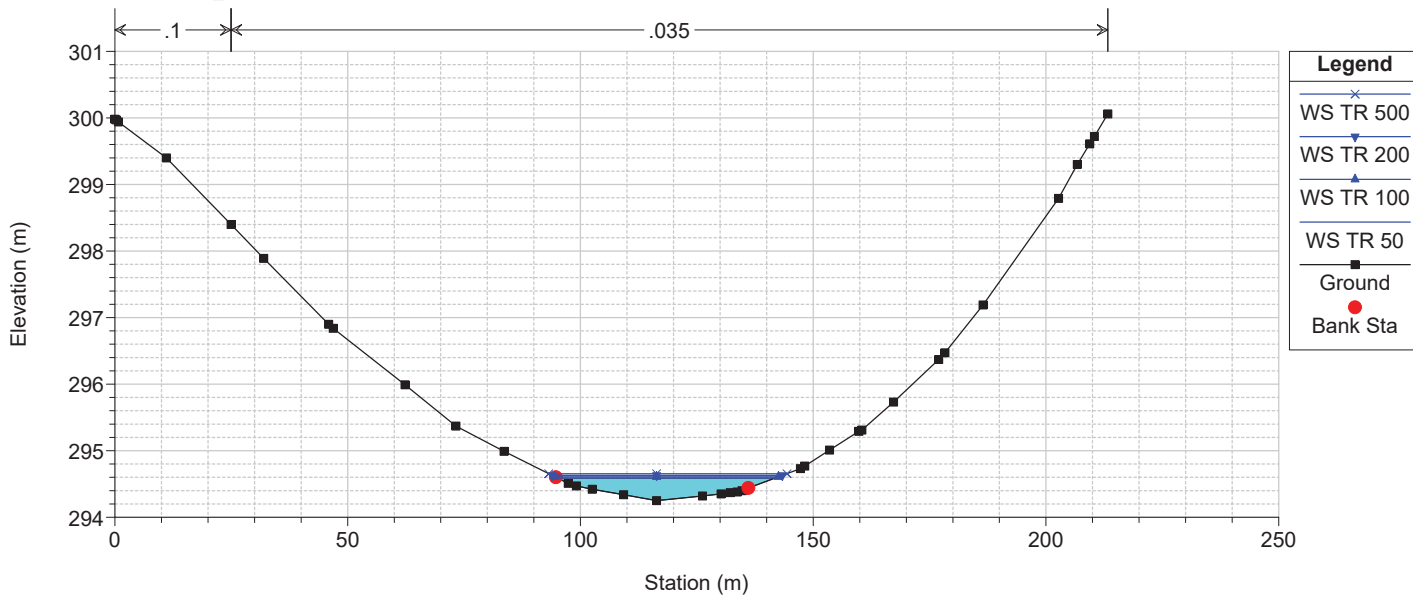
River = SEna_Osana Reach = C77 RS = 349.9733 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

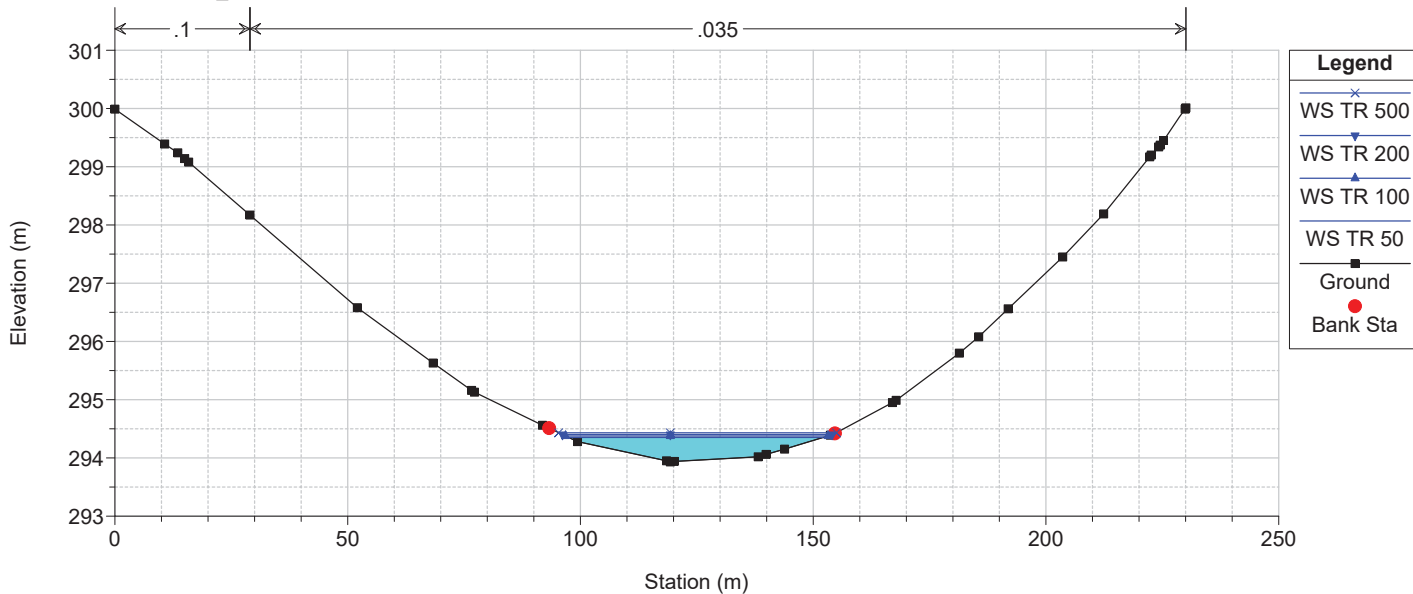
River = SEna_Osana Reach = C77 RS = 314.958 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

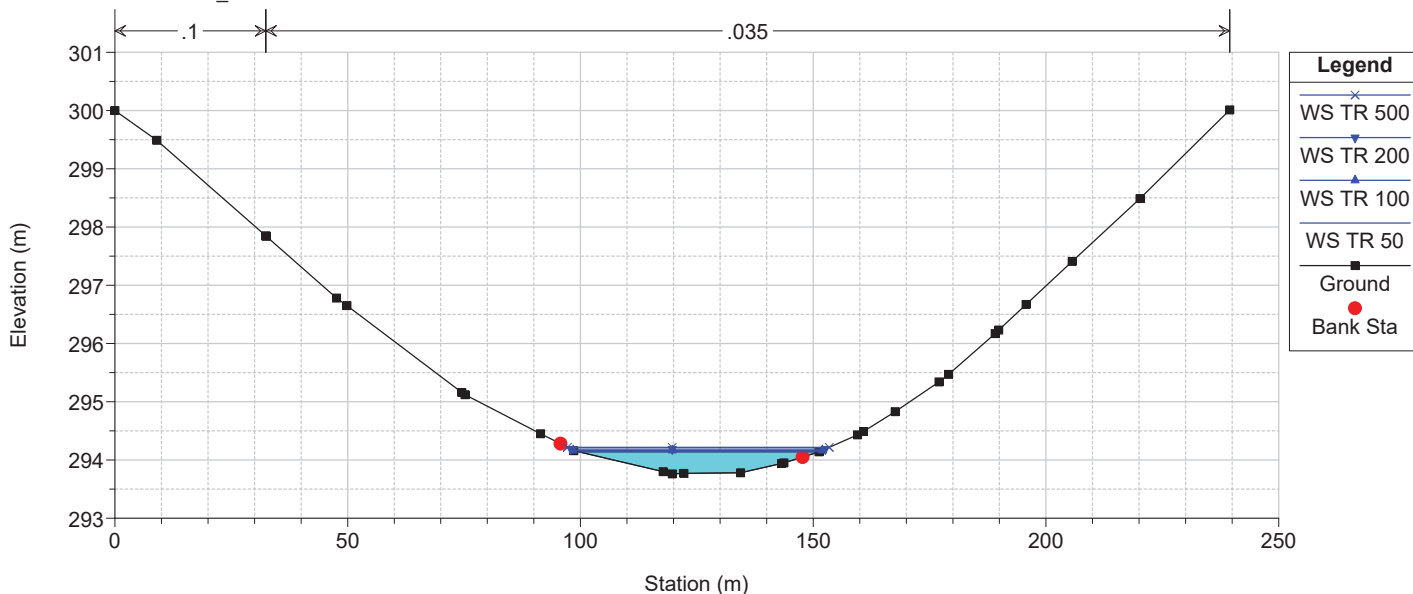
River = SEna_Osana Reach = C77 RS = 280 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

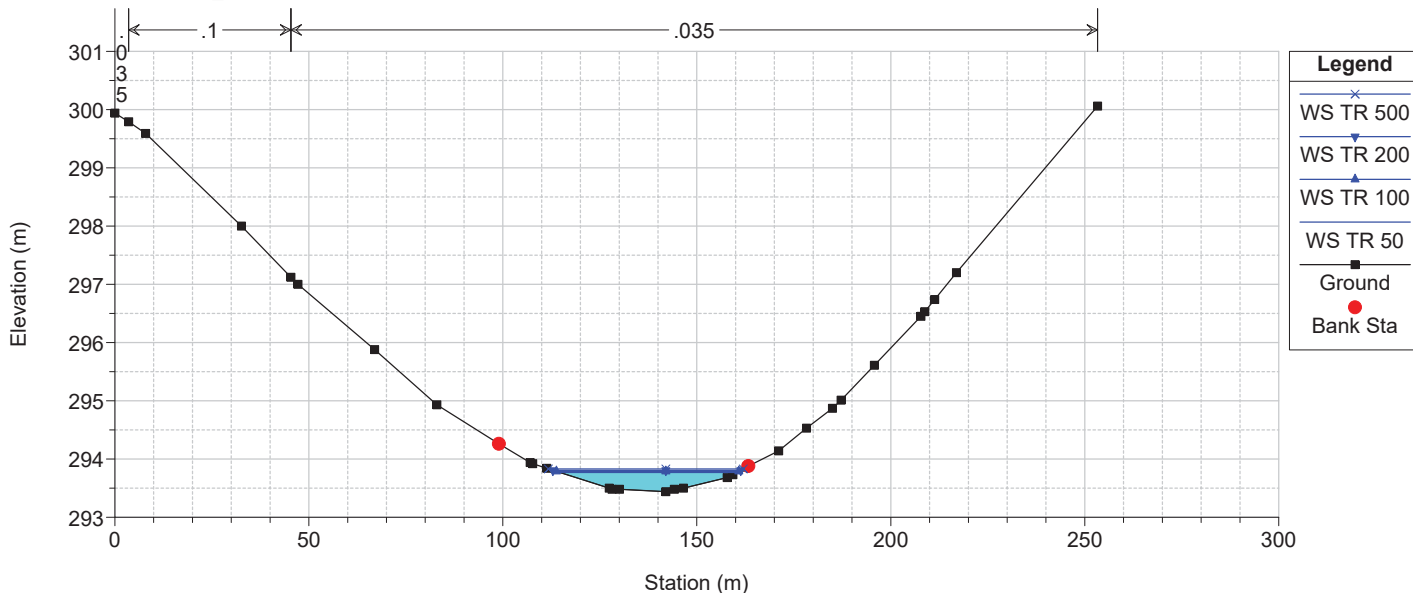
River = SEna_Osana Reach = C77 RS = 245 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

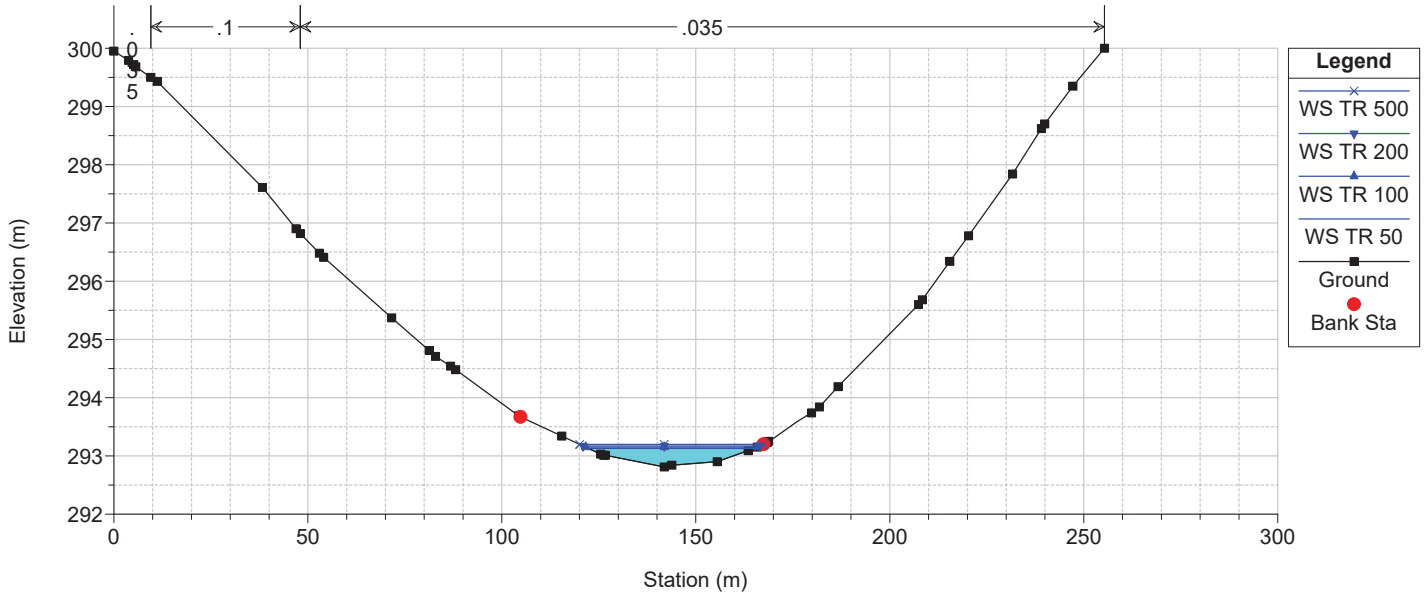
River = SEna_Osana Reach = C77 RS = 210.0001 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

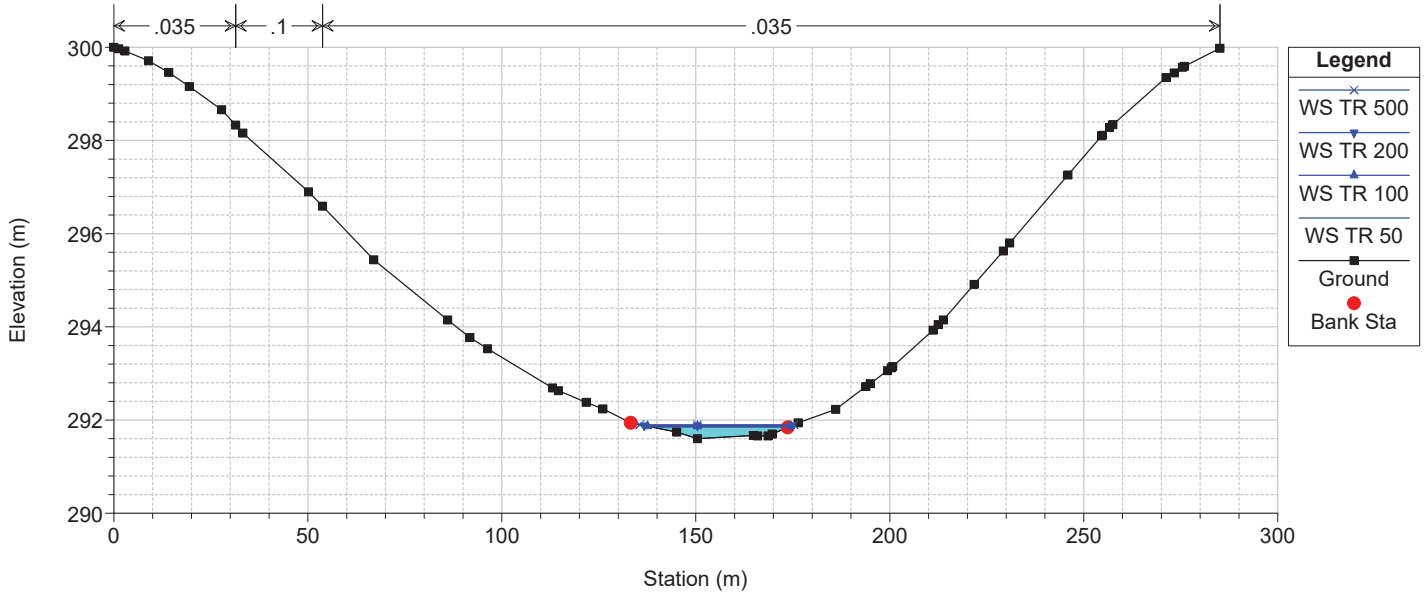
River = SEna_Osana Reach = C77 RS = 175 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

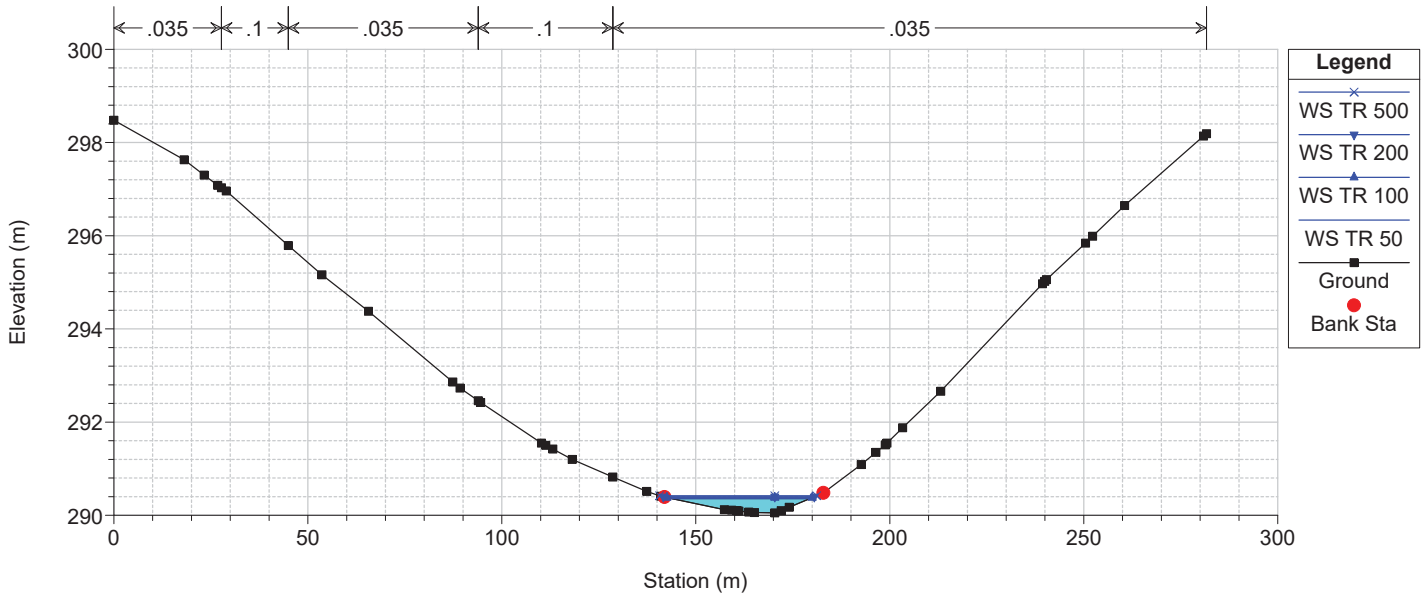
River = SEna_Osana Reach = C77 RS = 140 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

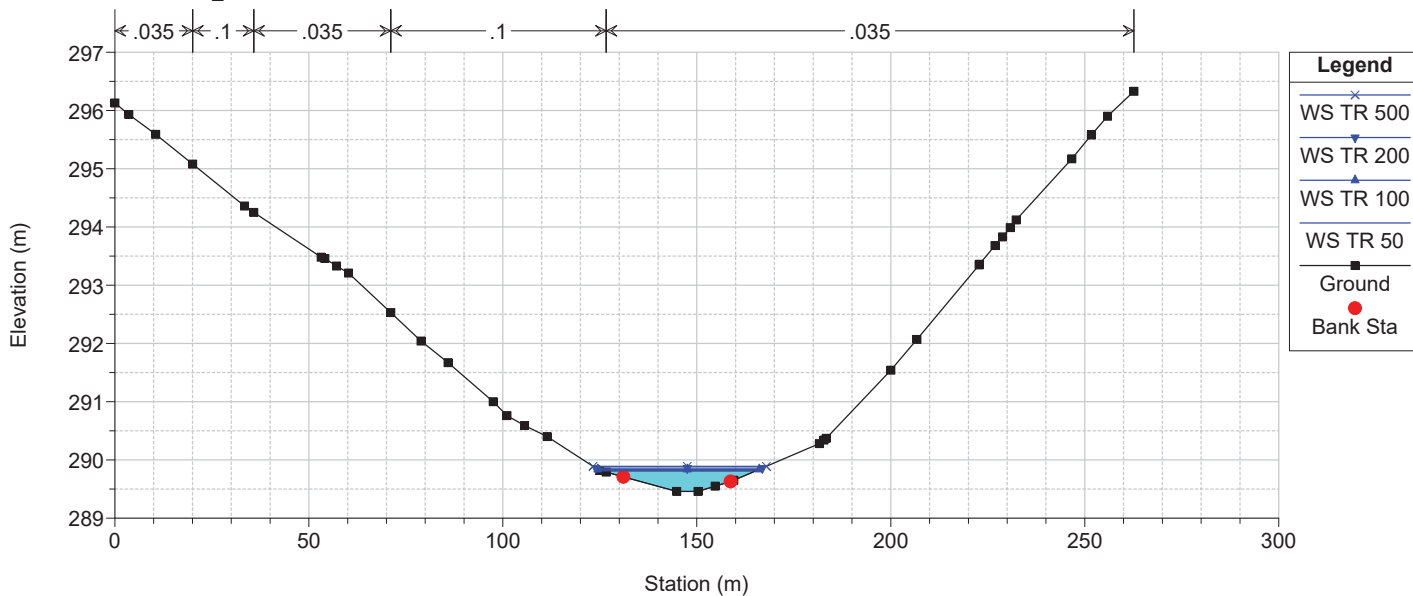
River = SEna_Osana Reach = C77 RS = 105 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

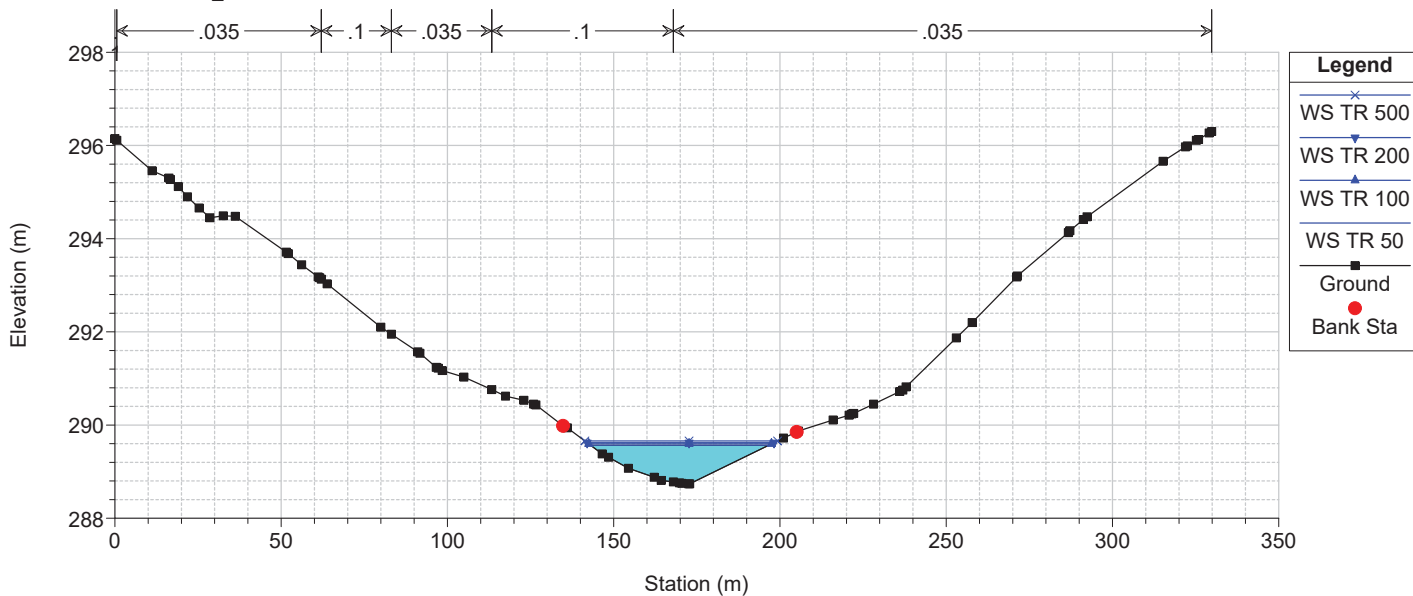
River = SEna_Osana Reach = C77 RS = 70.14464 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

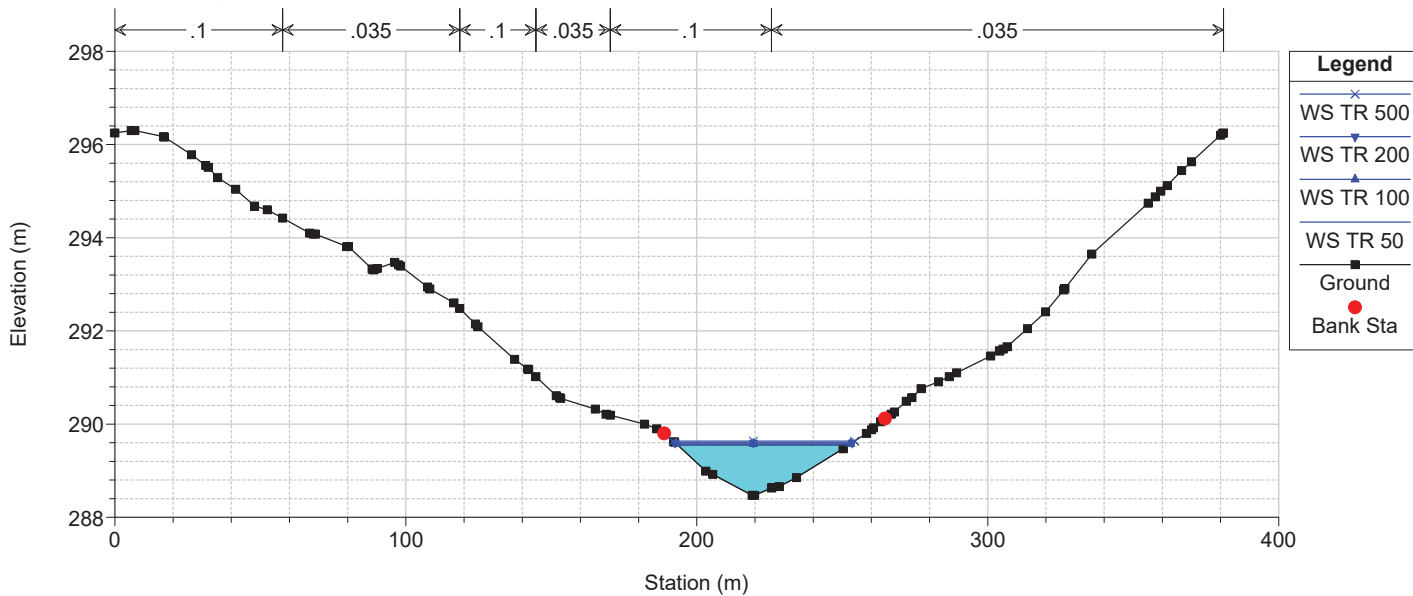
River = SEna_Osana Reach = C77 RS = 34.77029 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

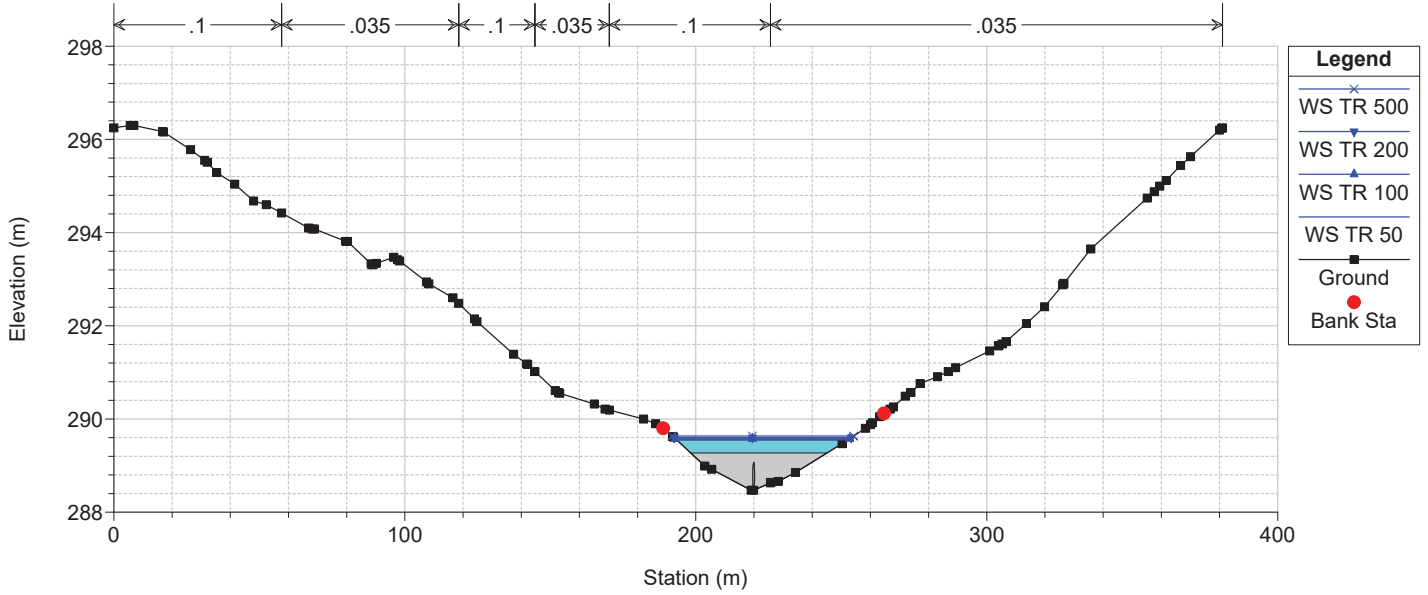
River = SEna_Osana Reach = C77 RS = 15.74237 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

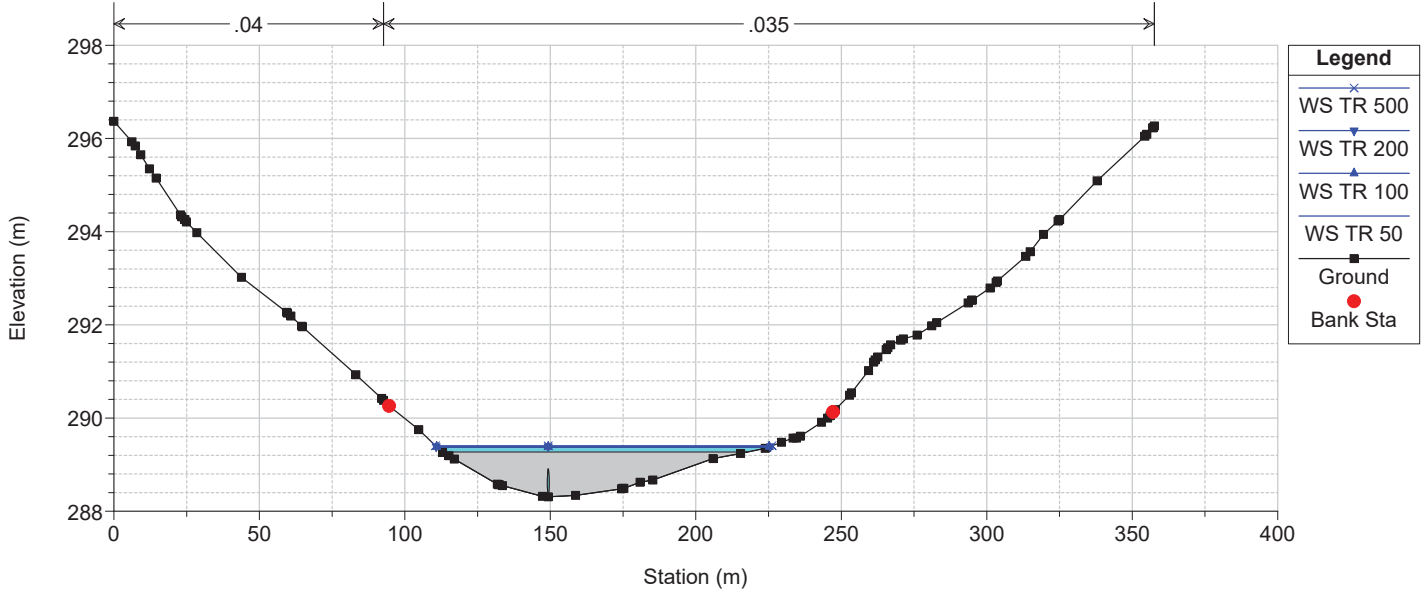
River = SEna_Osana Reach = C77 RS = 11.9789 Culv COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

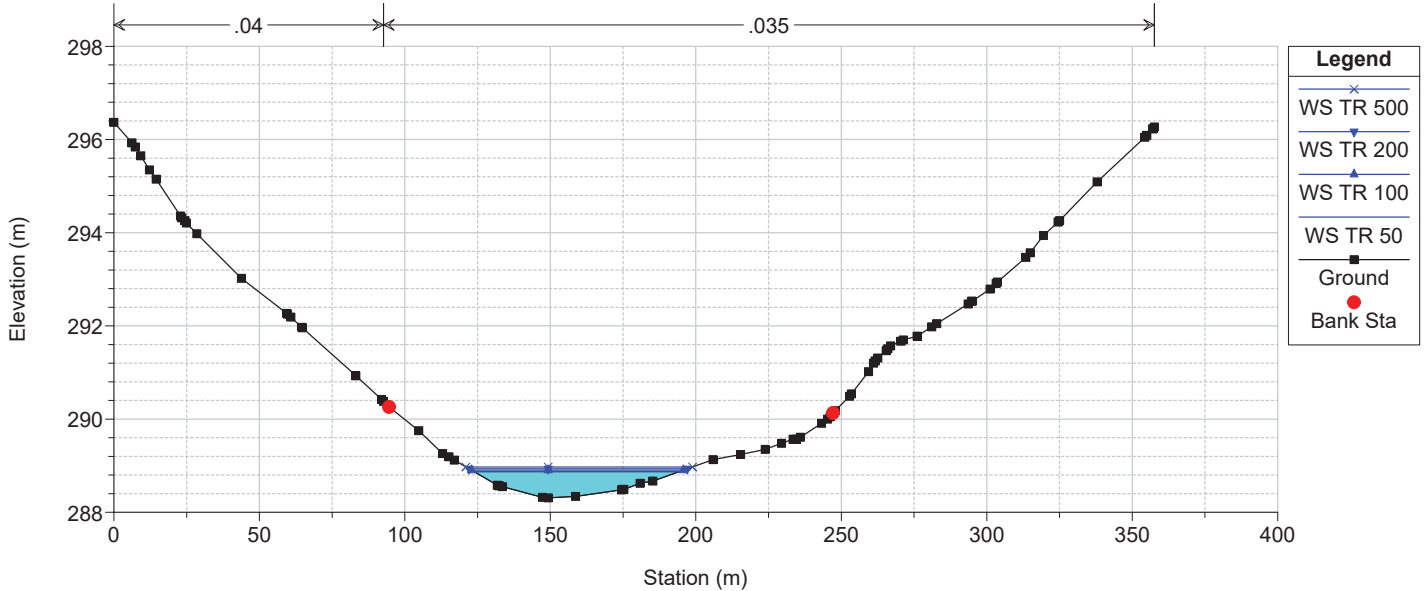
River = SEna_Osana Reach = C77 RS = 11.9789 Culv COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

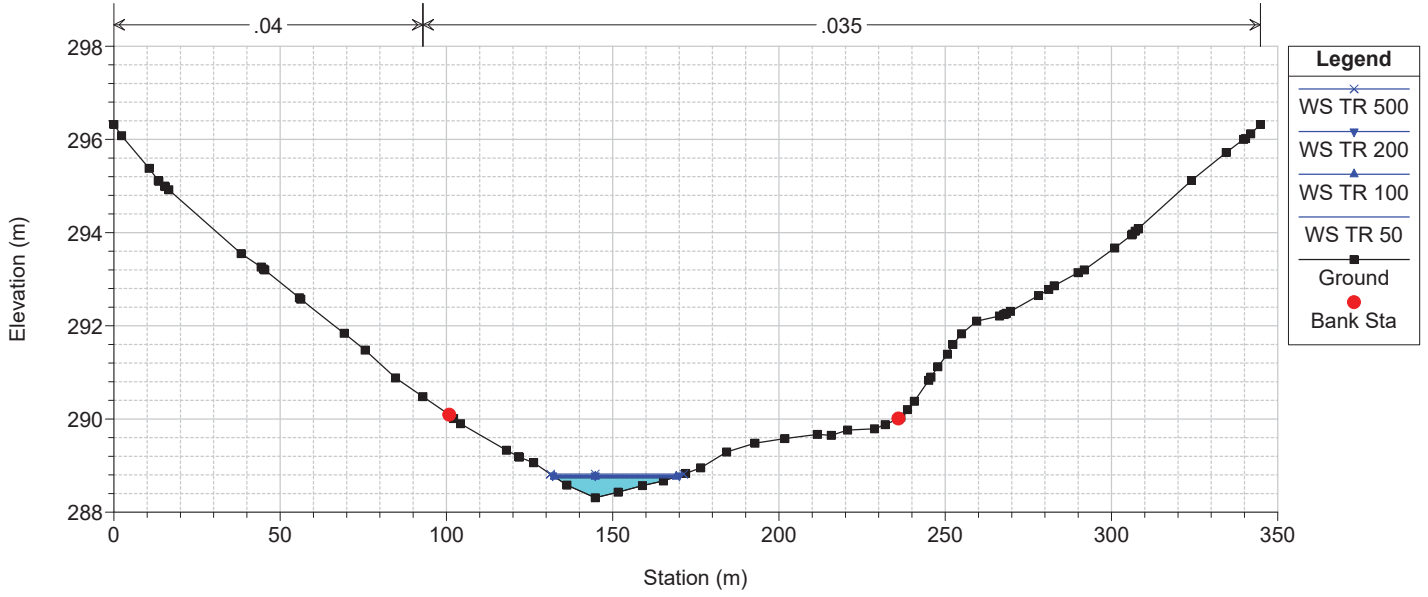
River = SEna_Osana Reach = C77 RS = 8.630313 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_SEna_Osana Plan: Plan 01 4/13/2021

Geom: Riu_SEna_Osana Flow: Riu_SEna_Osana

River = SEna_Osana Reach = C77 RS = 1.207693 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



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
C77	677.7626	TR 50	11.74	319.58	320.01	320.01	320.17	0.022750	1.80	6.65	21.41	0.98
C77	677.7626	TR 100	13.46	319.58	320.05	320.05	320.22	0.021653	1.87	7.39	21.97	0.97
C77	677.7626	TR 200	15.23	319.58	320.08	320.08	320.27	0.021062	1.94	8.08	22.50	0.97
C77	677.7626	TR 500	17.76	319.58	320.12	320.12	320.33	0.020113	2.03	9.08	23.23	0.96
C77	665.0001	TR 50	11.74	318.14	318.48	318.71	319.47	0.174852	4.46	2.74	14.36	2.98
C77	665.0001	TR 100	13.46	318.14	318.50	318.75	319.54	0.162905	4.59	3.08	15.16	2.92
C77	665.0001	TR 200	15.23	318.14	318.53	318.78	319.61	0.151739	4.70	3.45	15.97	2.86
C77	665.0001	TR 500	17.76	318.14	318.56	318.83	319.69	0.140276	4.85	3.94	16.77	2.80
C77	630.0501	TR 50	11.74	313.67	314.08	314.29	314.85	0.100902	3.95	3.14	13.67	2.35
C77	630.0501	TR 100	13.46	313.67	314.10	314.33	314.96	0.105397	4.21	3.40	13.94	2.43
C77	630.0501	TR 200	15.23	313.67	314.11	314.37	315.08	0.110133	4.46	3.64	14.20	2.51
C77	630.0501	TR 500	17.76	313.67	314.14	314.42	315.25	0.115463	4.79	3.98	14.54	2.60
C77	595.0754	TR 50	11.74	308.30	308.69	308.87	309.30	0.278946	3.47	3.39	12.34	2.11
C77	595.0754	TR 100	13.46	308.30	308.72	308.91	309.36	0.264089	3.55	3.80	12.91	2.09
C77	595.0754	TR 200	15.23	308.30	308.75	308.95	309.42	0.251360	3.62	4.21	13.46	2.06
C77	595.0754	TR 500	17.76	308.30	308.79	309.01	309.50	0.239734	3.72	4.77	14.17	2.05
C77	559.8768	TR 50	11.74	303.23	303.76	303.76	303.94	0.141077	1.86	6.32	18.23	1.01
C77	559.8768	TR 100	13.46	303.23	303.80	303.80	303.99	0.134661	1.91	7.04	19.09	1.01
C77	559.8768	TR 200	15.23	303.23	303.84	303.84	304.03	0.131683	1.98	7.70	19.74	1.01
C77	559.8768	TR 500	17.76	303.23	303.88	303.88	304.10	0.125504	2.07	8.58	20.28	1.01
C77	524.6332	TR 50	11.74	299.31	299.59	299.68	299.89	0.095650	2.41	4.88	29.62	1.89
C77	524.6332	TR 100	13.46	299.31	299.61	299.70	299.93	0.098811	2.53	5.32	30.13	1.92
C77	524.6332	TR 200	15.23	299.31	299.62	299.73	299.98	0.101553	2.64	5.76	30.69	1.95
C77	524.6332	TR 500	17.76	299.31	299.64	299.76	300.04	0.105269	2.79	6.37	31.66	1.99
C77	490.2	TR 50	11.74	298.44	298.80	298.80	298.91	0.018786	1.49	8.11	38.18	0.97
C77	490.2	TR 100	13.46	298.44	298.82	298.82	298.94	0.018704	1.54	9.03	39.86	0.96
C77	490.2	TR 200	15.23	298.44	298.84	298.84	298.97	0.018168	1.58	10.04	41.65	0.95
C77	490.2	TR 500	17.76	298.44	298.87	298.87	299.01	0.018207	1.65	11.29	43.84	0.95
C77	454.4597	TR 50	11.74	297.53	298.03	298.05	298.19	0.021058	1.75	6.70	24.35	1.07
C77	454.4597	TR 100	13.46	297.53	298.07	298.08	298.23	0.020699	1.79	7.50	25.99	1.07
C77	454.4597	TR 200	15.23	297.53	298.09	298.11	298.27	0.020739	1.85	8.25	27.44	1.07
C77	454.4597	TR 500	17.76	297.53	298.14	298.15	298.32	0.020110	1.89	9.40	29.51	1.07
C77	420.1674	TR 50	11.74	296.81	297.11	297.15	297.27	0.035796	1.76	6.68	35.98	1.30
C77	420.1674	TR 100	13.46	296.81	297.13	297.17	297.30	0.037060	1.85	7.27	37.26	1.34
C77	420.1674	TR 200	15.23	296.81	297.14	297.19	297.33	0.037519	1.92	7.92	38.59	1.36
C77	420.1674	TR 500	17.76	296.81	297.16	297.22	297.38	0.039425	2.04	8.69	40.13	1.40
C77	385.0146	TR 50	11.74	295.91	296.24	296.25	296.36	0.019189	1.49	8.05	37.52	0.99
C77	385.0146	TR 100	13.46	295.91	296.27	296.27	296.39	0.018620	1.54	8.95	39.00	0.99
C77	385.0146	TR 200	15.23	295.91	296.29	296.29	296.42	0.018447	1.60	9.81	40.33	0.99
C77	385.0146	TR 500	17.76	295.91	296.32	296.32	296.46	0.017830	1.65	11.07	42.23	0.99
C77	349.9733	TR 50	11.74	295.01	295.25	295.30	295.41	0.040395	1.74	6.74	40.40	1.36
C77	349.9733	TR 100	13.46	295.01	295.27	295.32	295.44	0.042022	1.84	7.33	41.81	1.40
C77	349.9733	TR 200	15.23	295.01	295.28	295.33	295.47	0.042585	1.91	7.98	43.28	1.42
C77	349.9733	TR 500	17.76	295.01	295.30	295.36	295.51	0.044462	2.03	8.77	44.97	1.46
C77	314.958	TR 50	11.74	294.25	294.59	294.56	294.66	0.012961	1.22	9.84	46.69	0.81
C77	314.958	TR 100	13.46	294.25	294.61	294.58	294.69	0.012886	1.28	10.80	48.05	0.82
C77	314.958	TR 200	15.23	294.25	294.63	294.60	294.72	0.012436	1.33	11.83	49.47	0.82
C77	314.958	TR 500	17.76	294.25	294.66	294.62	294.75	0.012288	1.40	13.13	51.20	0.83
C77	280	TR 50	11.74	293.93	294.35		294.39	0.004879	0.82	14.35	54.68	0.51
C77	280	TR 100	13.46	293.93	294.38		294.41	0.004890	0.85	15.76	56.39	0.52
C77	280	TR 200	15.23	293.93	294.40		294.44	0.004915	0.89	17.13	57.92	0.52
C77	280	TR 500	17.76	293.93	294.43		294.48	0.004936	0.94	18.95	59.64	0.53
C77	245	TR 50	11.74	293.76	294.14		294.19	0.006802	0.95	12.47	51.65	0.60
C77	245	TR 100	13.46	293.76	294.16	294.08	294.21	0.006741	0.99	13.76	53.51	0.60
C77	245	TR 200	15.23	293.76	294.19		294.24	0.006723	1.03	14.95	54.66	0.61
C77	245	TR 500	17.76	293.76	294.22		294.28	0.006661	1.09	16.61	56.22	0.62
C77	210.0001	TR 50	11.74	293.44	293.77	293.74	293.84	0.014704	1.22	9.58	45.60	0.85
C77	210.0001	TR 100	13.46	293.44	293.79	293.76	293.87	0.014926	1.28	10.49	47.04	0.87
C77	210.0001	TR 200	15.23	293.44	293.81	293.78	293.90	0.015127	1.34	11.38	48.42	0.88
C77	210.0001	TR 500	17.76	293.44	293.83	293.81	293.93	0.015453	1.41	12.58	50.22	0.90
C77	175	TR 50	11.74	292.81	293.13	293.13	293.23	0.021183	1.40	8.37	42.78	1.01
C77	175	TR 100	13.46	292.81	293.15	293.15	293.26	0.020731	1.45	9.27	44.25	1.01
C77	175	TR 200	15.23	292.81	293.17	293.17	293.28	0.020185	1.50	10.19	45.58	1.01
C77	175	TR 500	17.76	292.81	293.20	293.20	293.32	0.019802	1.56	11.40	47.29	1.01
C77	140	TR 50	11.74	291.60	291.85	291.92	292.07	0.057823	2.05	5.74	35.67	1.62
C77	140	TR 100	13.46	291.60	291.87	291.94	292.10	0.059154	2.15	6.26	36.89	1.66
C77	140	TR 200	15.23	291.60	291.88	291.96	292.14	0.059479	2.25	6.80	38.14	1.68

HEC-RAS Plan: Plan 01 River: SEna_Osana Reach: C77 (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
C77	140	TR 500	17.76	291.60	291.90	291.99	292.19	0.060233	2.37	7.54	39.76	1.71
C77	105	TR 50	11.74	290.05	290.36	290.39	290.51	0.034411	1.74	6.74	35.73	1.28
C77	105	TR 100	13.46	290.05	290.38	290.42	290.54	0.033958	1.80	7.48	37.48	1.29
C77	105	TR 200	15.23	290.05	290.40	290.44	290.57	0.033787	1.86	8.17	38.95	1.29
C77	105	TR 500	17.76	290.05	290.42	290.47	290.62	0.033667	1.97	9.04	40.51	1.31
C77	70.14464	TR 50	11.74	289.46	289.81	289.81	289.93	0.016292	1.51	8.28	40.08	0.93
C77	70.14464	TR 100	13.46	289.46	289.84	289.84	289.96	0.015761	1.57	9.23	41.63	0.93
C77	70.14464	TR 200	15.23	289.46	289.86	289.86	289.99	0.015317	1.63	10.18	42.93	0.93
C77	70.14464	TR 500	17.76	289.46	289.89	289.89	290.03	0.014891	1.70	11.46	44.64	0.93
C77	34.77029	TR 50	11.74	288.74	289.57	289.15	289.58	0.001385	0.46	25.74	53.60	0.21
C77	34.77029	TR 100	13.46	288.74	289.60	289.17	289.61	0.001550	0.49	27.31	54.98	0.22
C77	34.77029	TR 200	15.23	288.74	289.62	289.20	289.64	0.001730	0.53	28.73	56.19	0.24
C77	34.77029	TR 500	17.76	288.74	289.66	289.23	289.68	0.001937	0.58	30.84	57.95	0.25
C77	15.74237	TR 50	11.74	288.47	289.55	288.93	289.56	0.000781	0.33	35.90	58.82	0.13
C77	15.74237	TR 100	13.46	288.47	289.58	288.95	289.58	0.000905	0.36	37.48	59.94	0.15
C77	15.74237	TR 200	15.23	288.47	289.60	288.98	289.61	0.001042	0.39	38.87	60.89	0.16
C77	15.74237	TR 500	17.76	288.47	289.63	289.01	289.64	0.001216	0.43	40.96	62.39	0.17
C77	11.9789		Culvert									
C77	8.630313	TR 50	11.74	288.31	288.87		288.88	0.001045	0.47	25.22	70.50	0.25
C77	8.630313	TR 100	13.46	288.31	288.90		288.92	0.001078	0.49	27.48	72.78	0.25
C77	8.630313	TR 200	15.23	288.31	288.93		288.95	0.001106	0.51	29.72	74.97	0.26
C77	8.630313	TR 500	17.76	288.31	288.97		288.99	0.001143	0.54	32.74	77.84	0.27
C77	1.207693	TR 50	11.74	288.31	288.74	288.74	288.85	0.020367	1.50	7.83	35.07	1.01
C77	1.207693	TR 100	13.46	288.31	288.76	288.76	288.88	0.019708	1.54	8.73	36.66	1.01
C77	1.207693	TR 200	15.23	288.31	288.79	288.79	288.91	0.019439	1.59	9.59	38.10	1.01
C77	1.207693	TR 500	17.76	288.31	288.82	288.82	288.95	0.018907	1.64	10.82	40.07	1.01

HEC-RAS Plan: Plan 01 River: SEna_Osana Reach: C77

Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q Culv Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	Culv Vel US (m/s)	Culv Vel DS (m/s)
C77	11.9789 Culvert #1	TR 50	289.56	289.55	289.56	289.37	289.27	0.65	11.05	0.68	2.31	3.33
C77	11.9789 Culvert #1	TR 100	289.58	289.58	289.58	289.39	289.27	0.67	12.81	0.67	2.35	3.38
C77	11.9789 Culvert #1	TR 200	289.61	289.60	289.60	289.61	289.27	0.79	14.42	0.67	2.80	2.80
C77	11.9789 Culvert #1	TR 500	289.64	289.63	289.65	289.64	289.27	0.79	16.98	0.66	2.79	2.79

COMUNE DI ALGHERO

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale ai sensi dell'art.8 comma 2 delle N.A. del PAI

Area di indagine: **TERRITORIO COMUNALE**

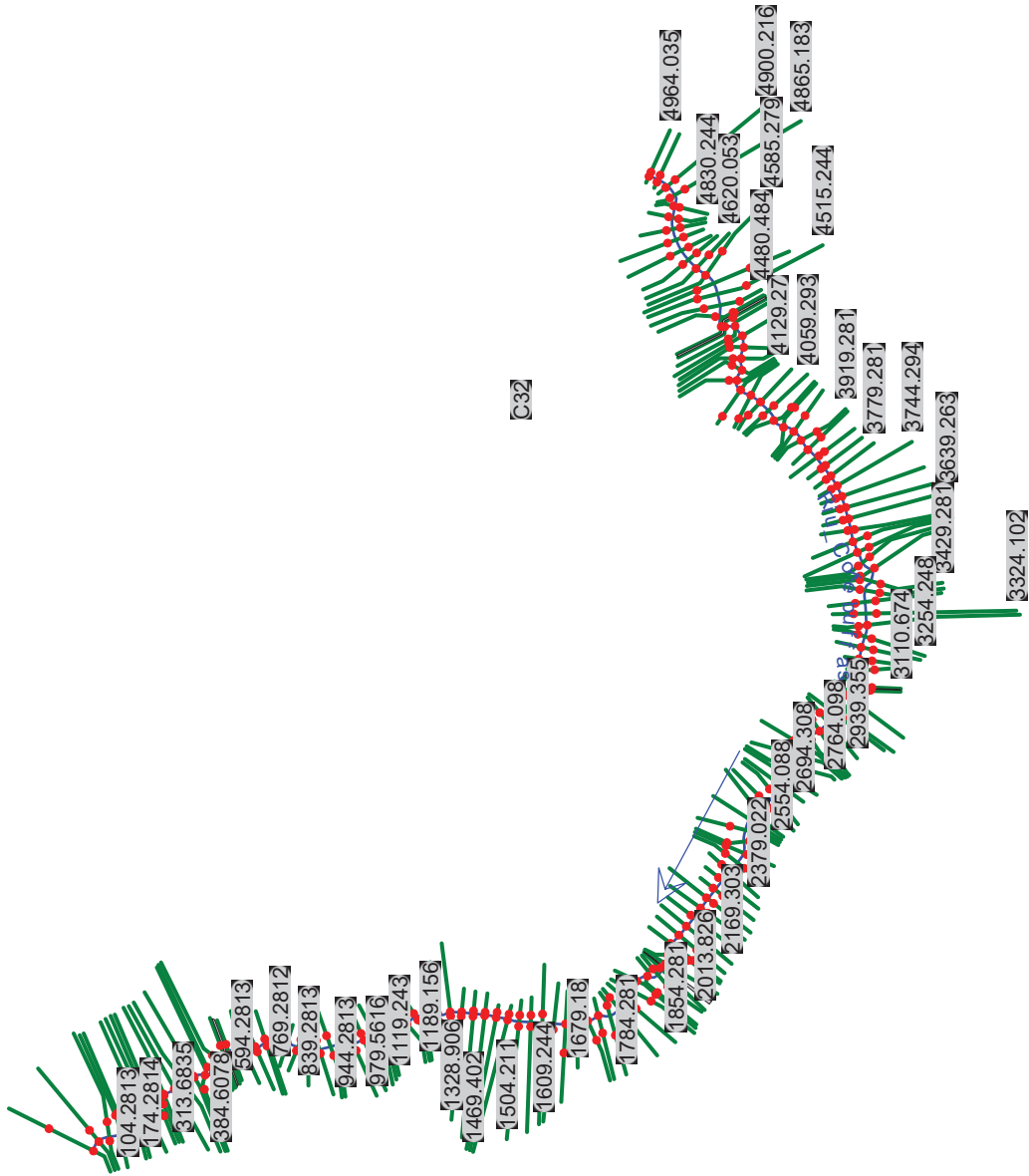
SIMULAZIONI IN MOTO PERMANENTE

Modello 10 - Riu Carrabuffas

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per i tempi di ritorno 50, 100, 200 e 500 anni;

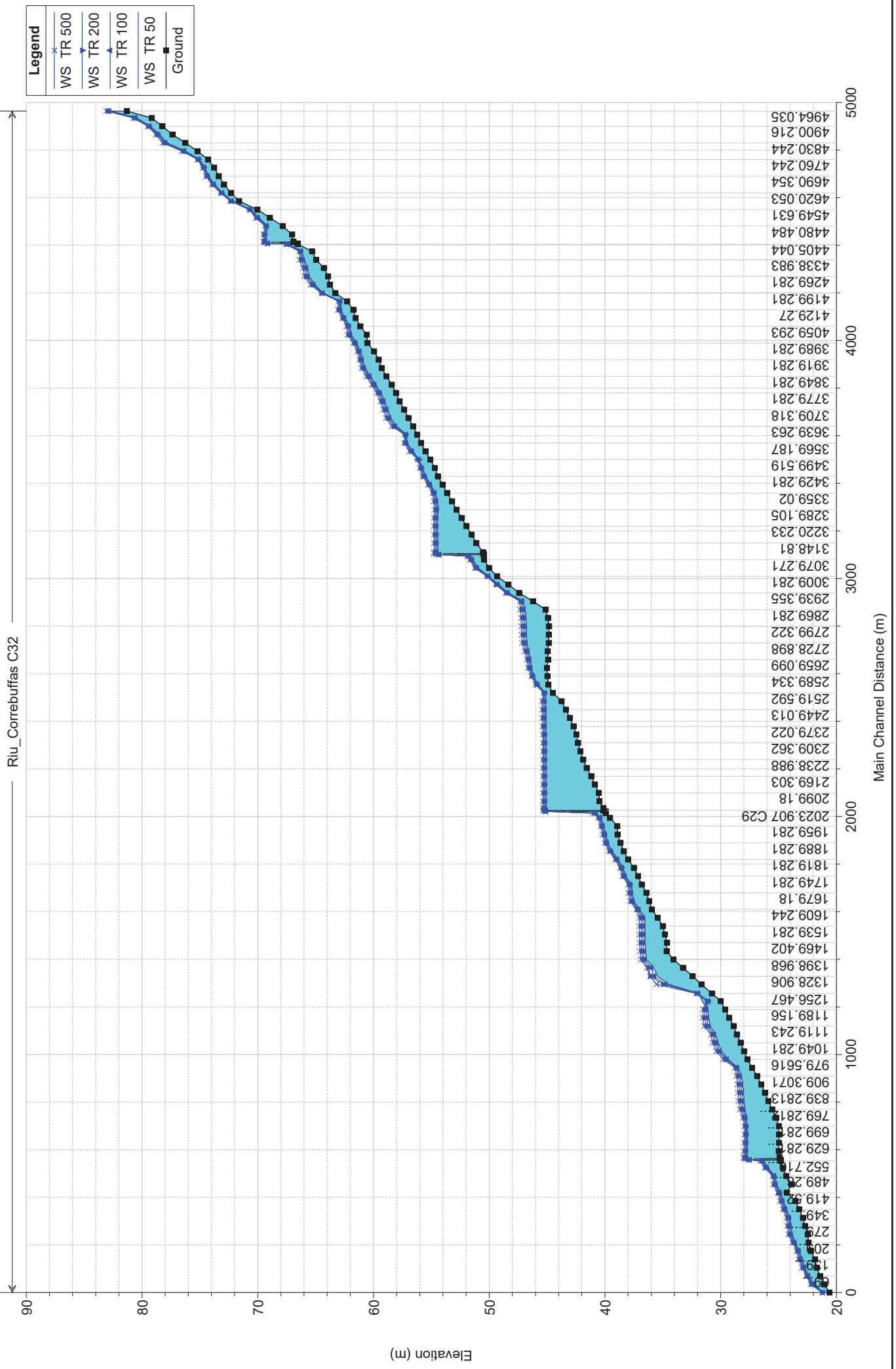
River	Reach	RS	PORTATE mc/s			
			TR 50	TR 100	TR 200	TR 500
Riu_Carrabuffas	C32	4964.035	46.979	56.322	65.849	78.762
Riu_Carrabuffas	C32	4304.281	83.221	100.401	117.907	141.454
Riu_Carrabuffas	C32	3009.281	89.182	107.427	125.986	150.874
Riu_Carrabuffas	C32	1924.281	93.641	112.476	131.58	157.127

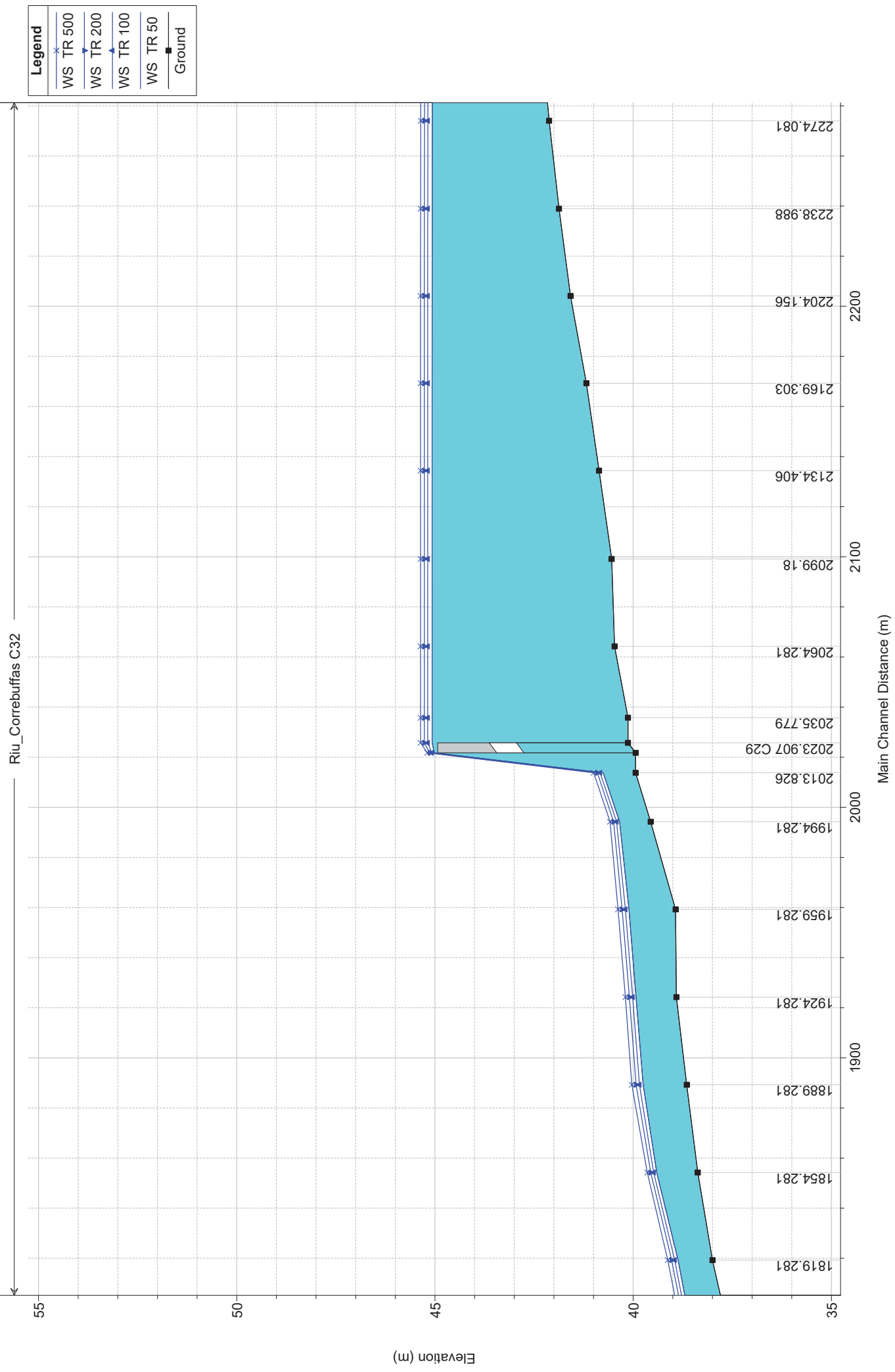
River	Reach	PROFILI	condizioni al contorno	
			upstream	downstream
Riu_Carrabuffas	C32	all	Normal Depth S = 0.07343	Critical Depth



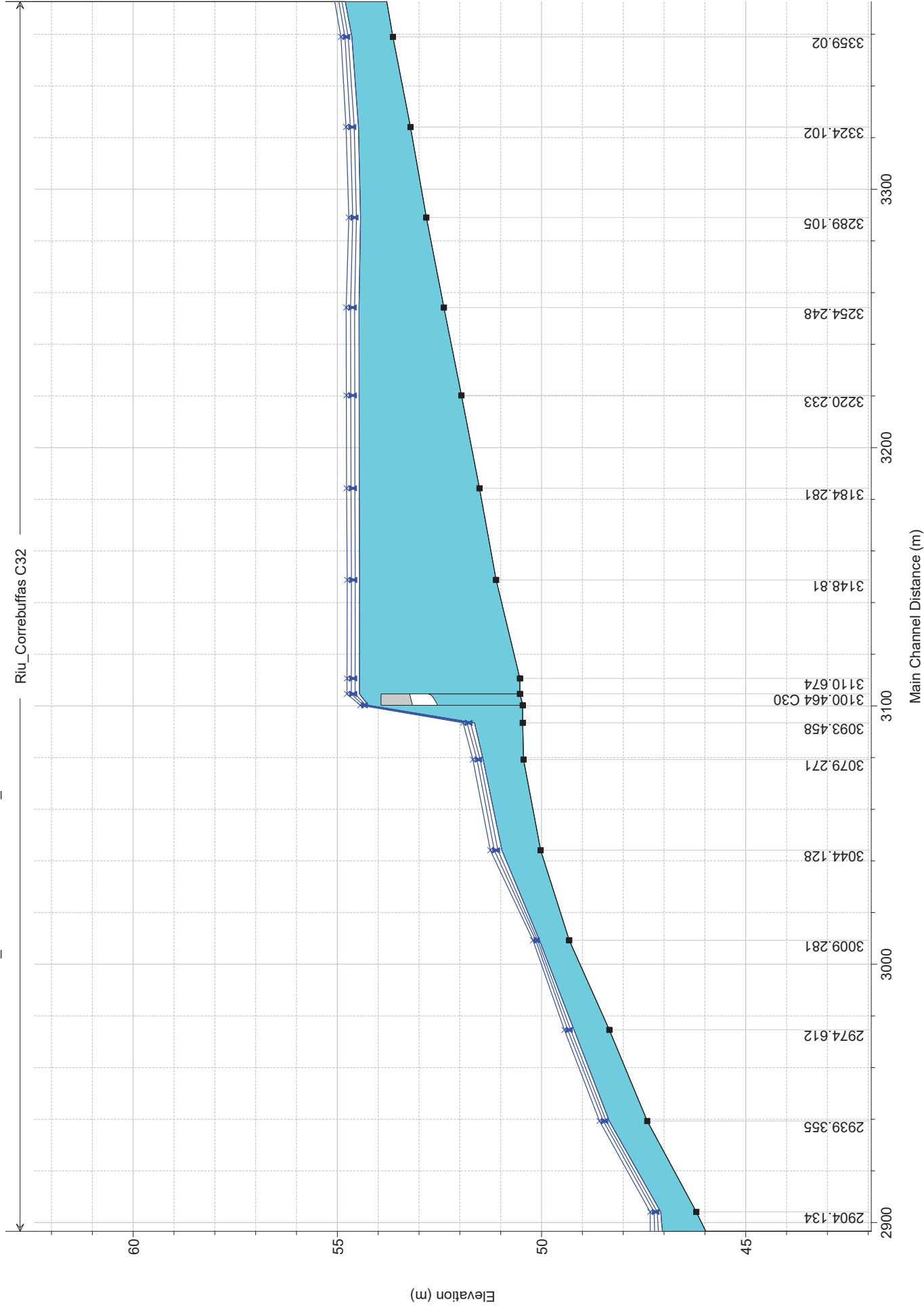
C32

Riu_Correbuffas Plan: Plan 01 3/8/2021
Geom: Riu_Correbuffas Flow: Riu_Correbuffas COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



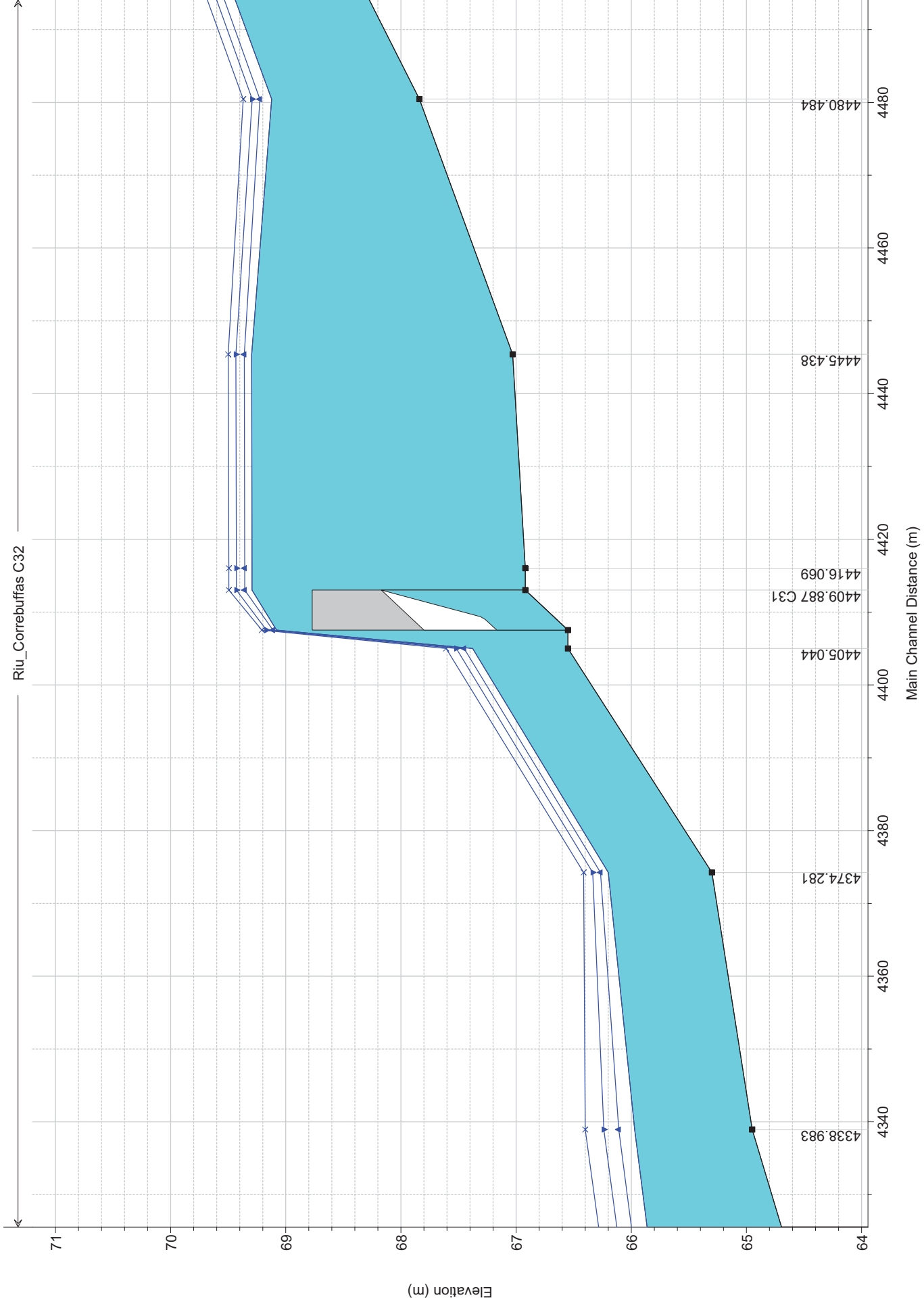


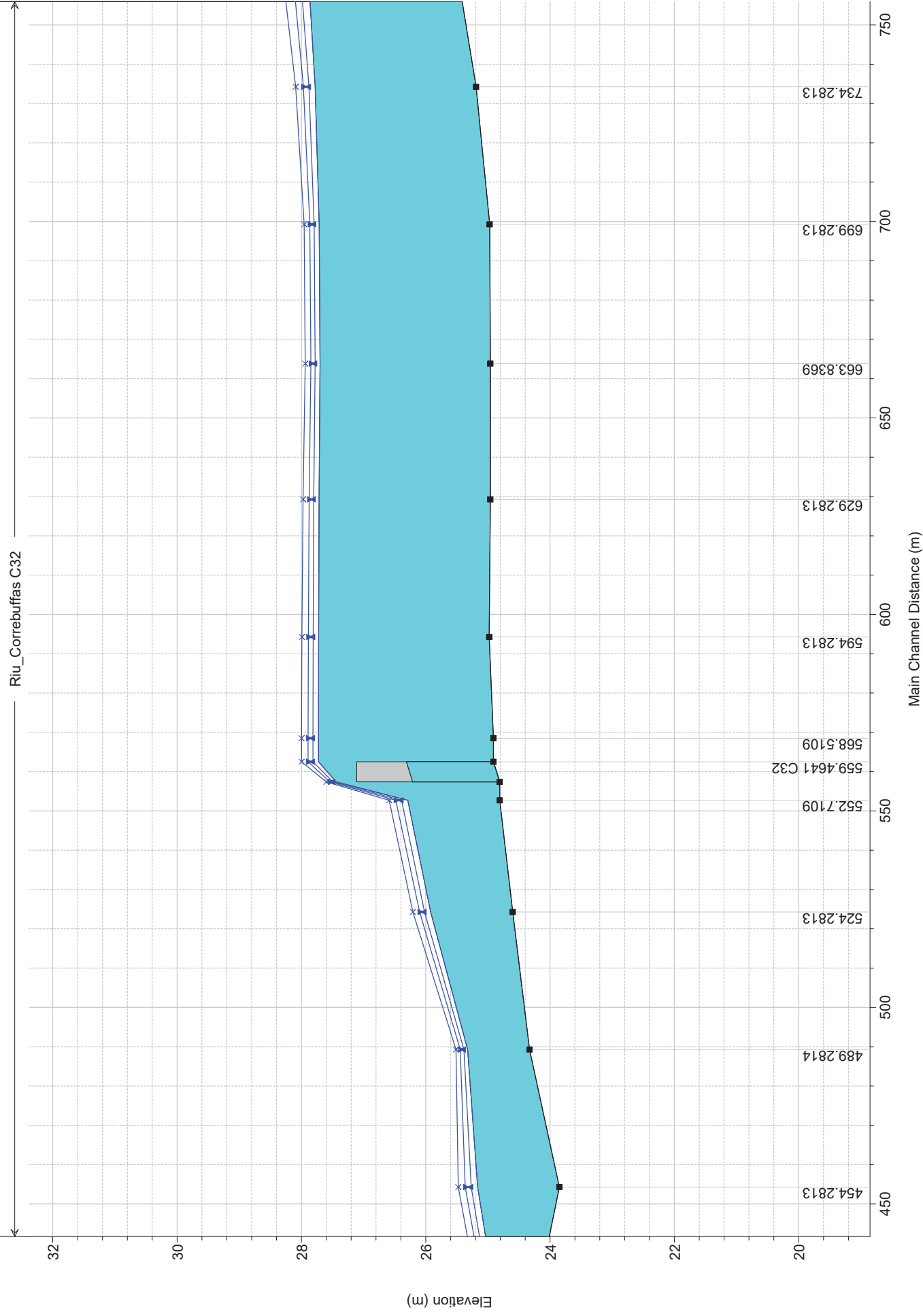
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WS TR 500	✕
WS TR 200	▶
WS TR 100	▲
WS TR 50	■
Ground	■



Riu_Correbuffas Plan: Plan 01 3/8/2021
Geom: Riu_Correbuffas Flow: Riu_Correbuffas COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

Legend	
WS TR 500	✕
WS TR 200	▶
WS TR 100	▲
WS TR 50	■
Ground	■

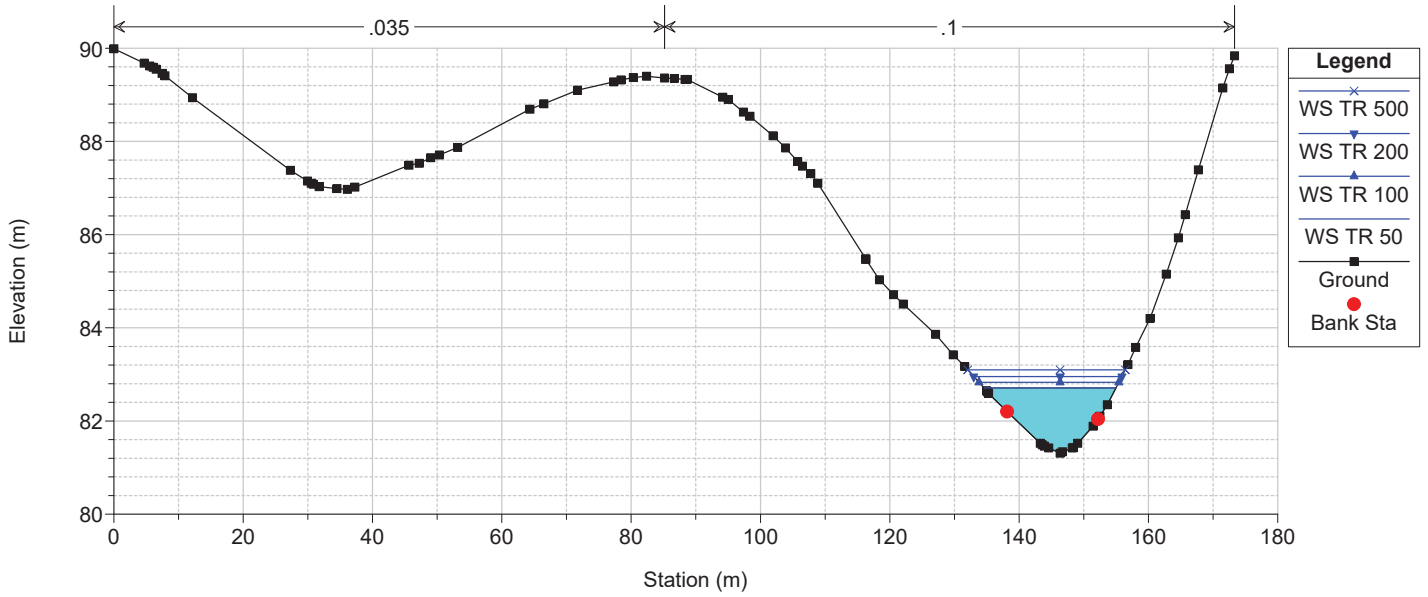




Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

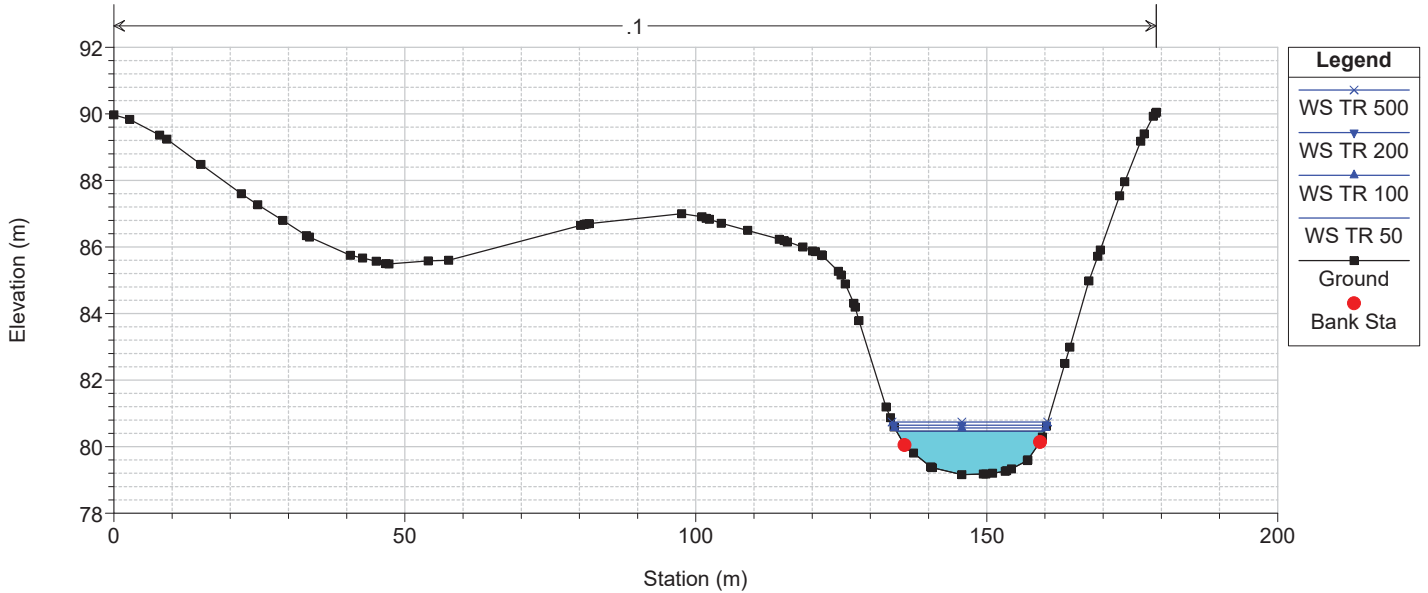
River = Riu_Correbuffas Reach = C32 RS = 4964.035 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

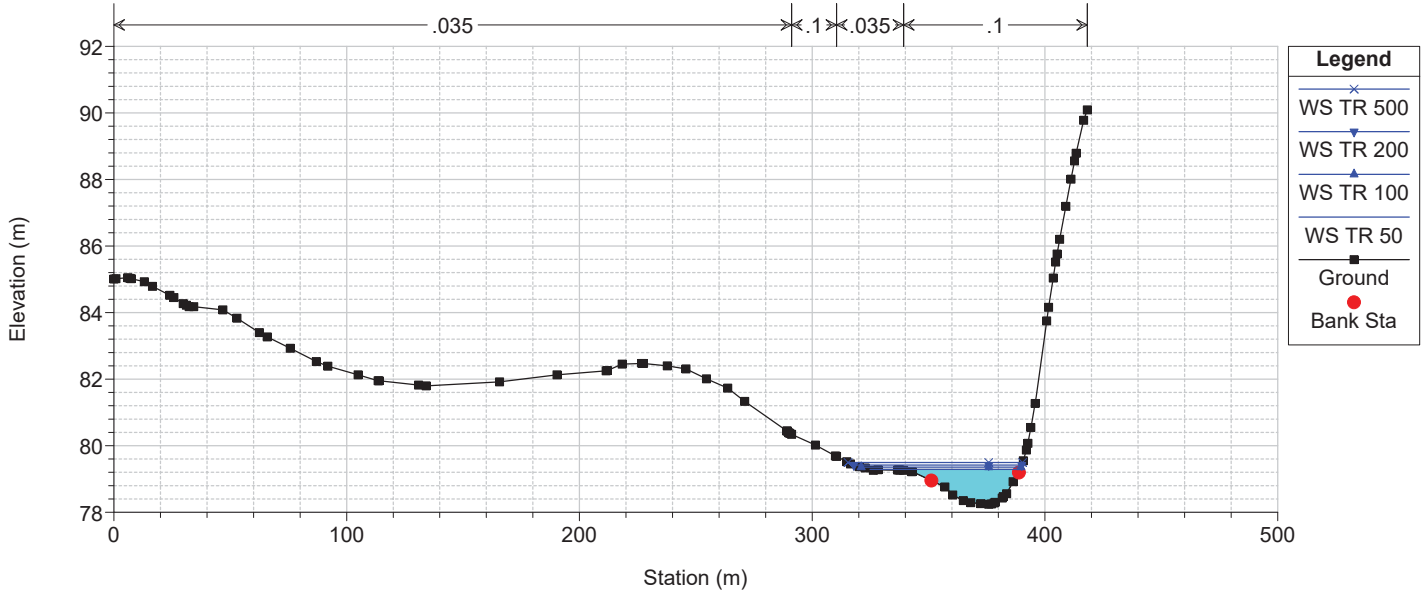
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

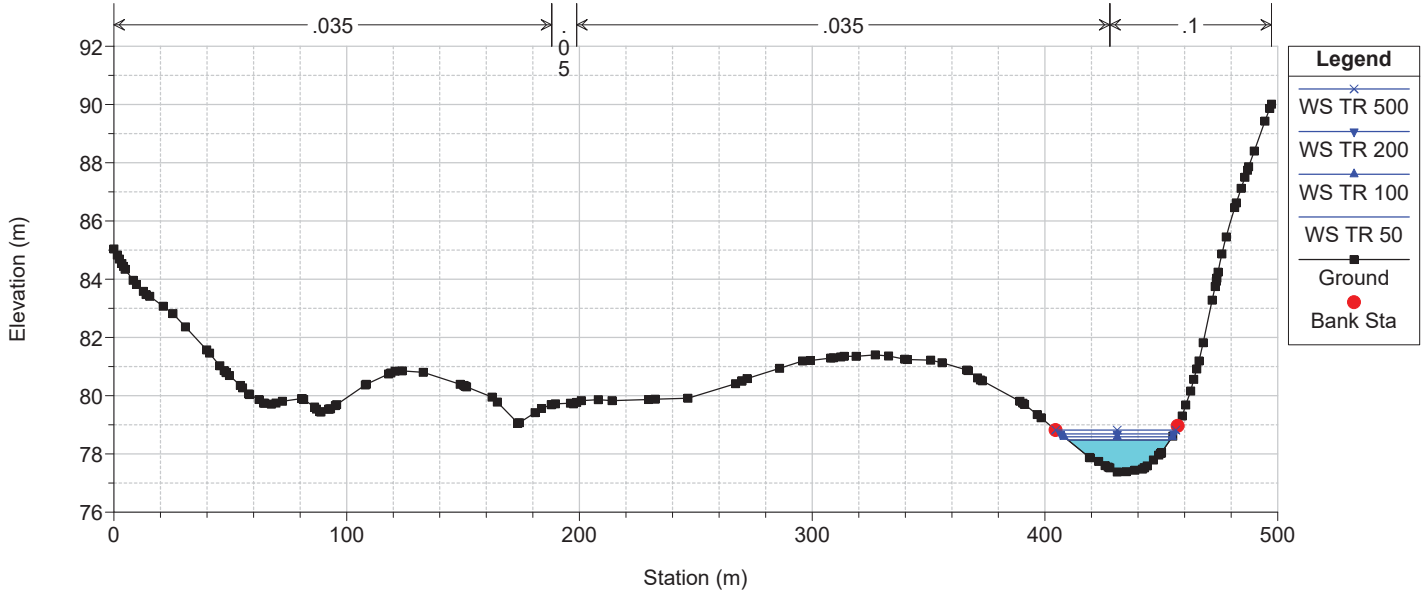
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

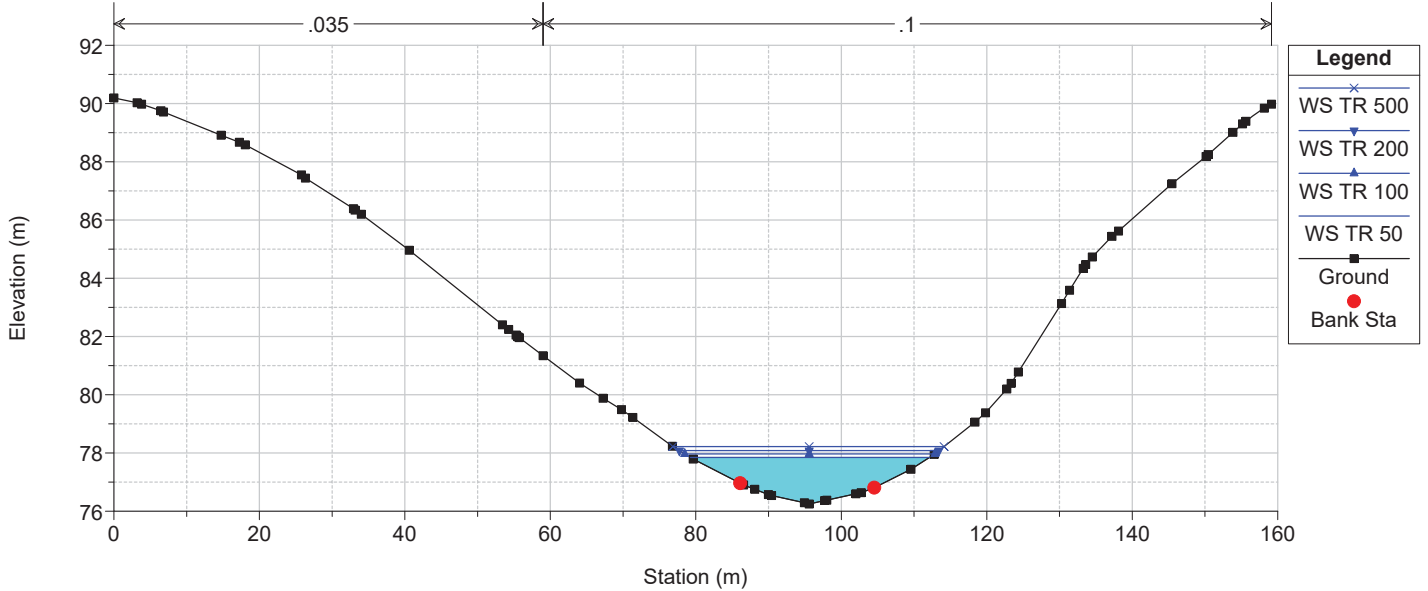
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

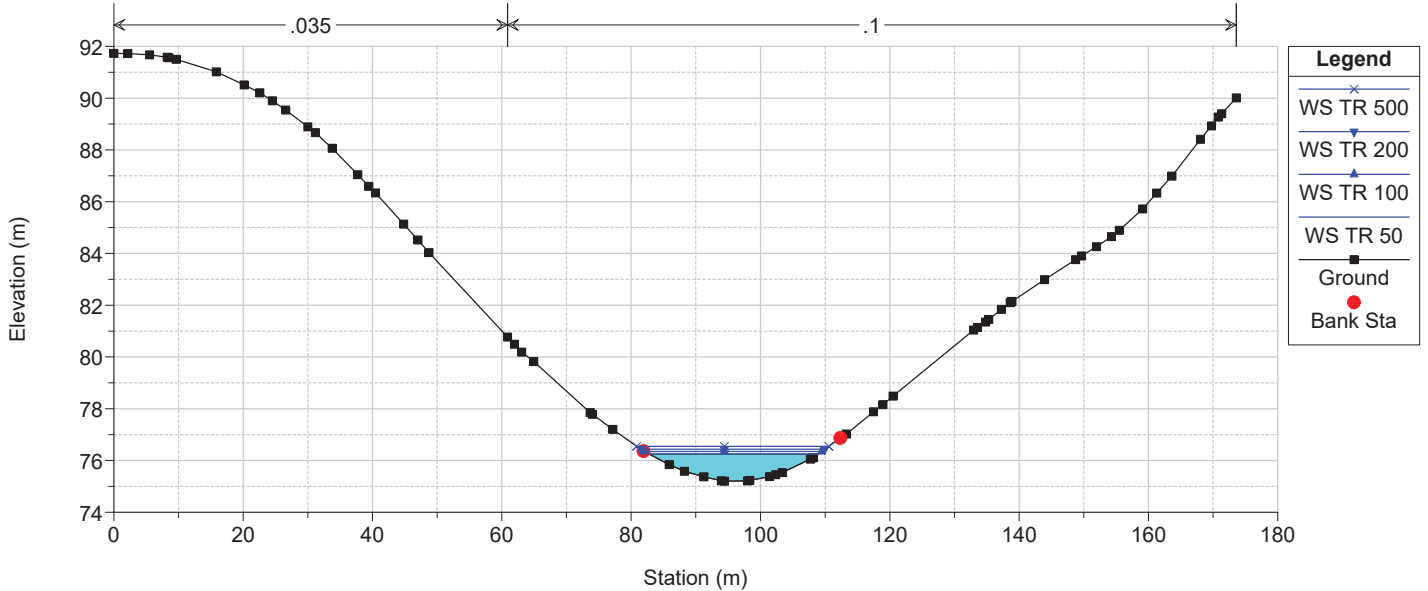
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

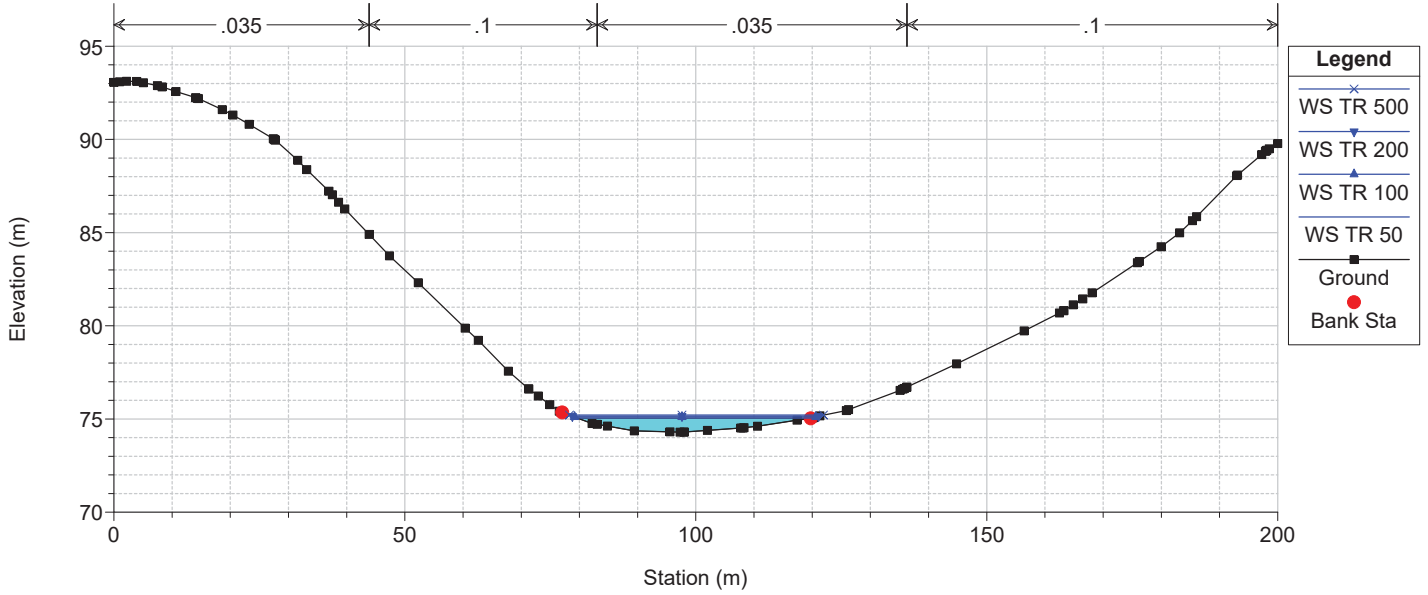
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

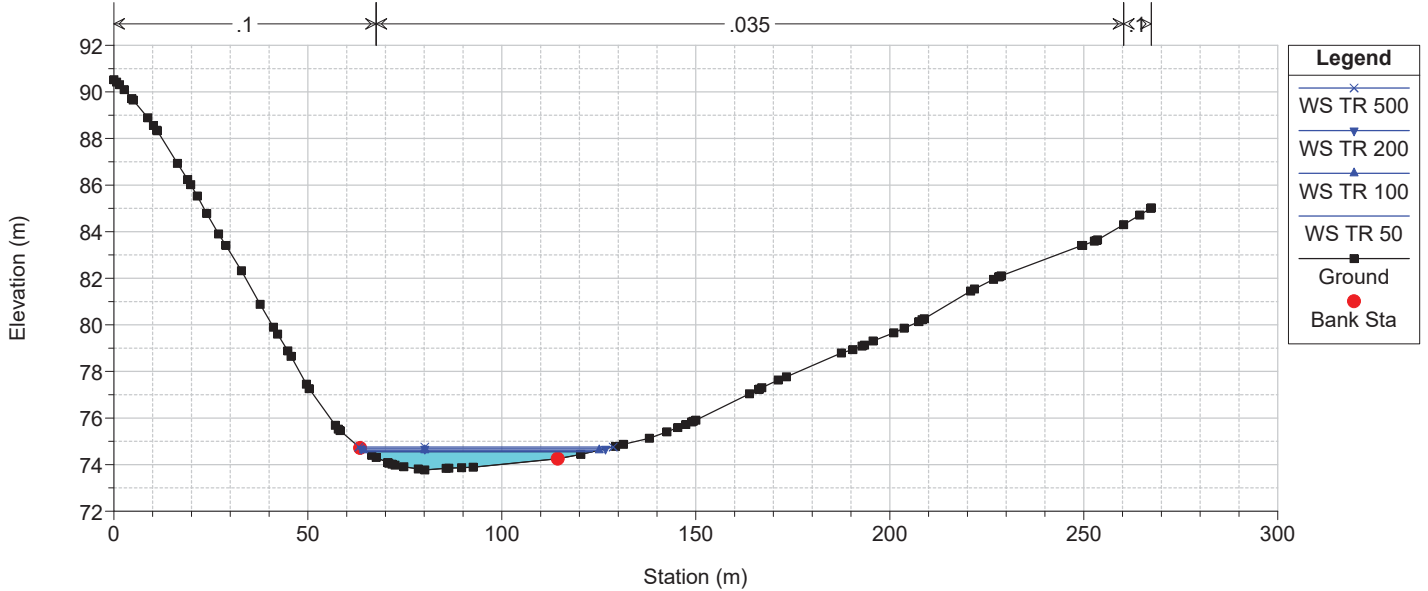
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

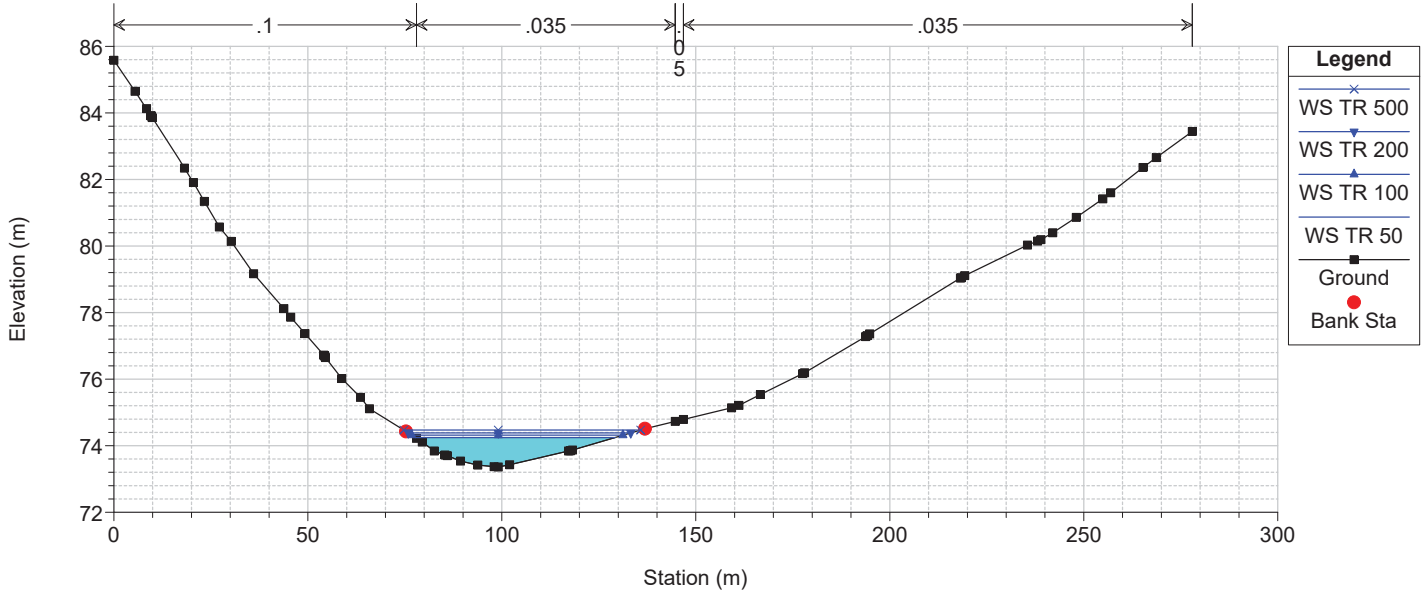
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

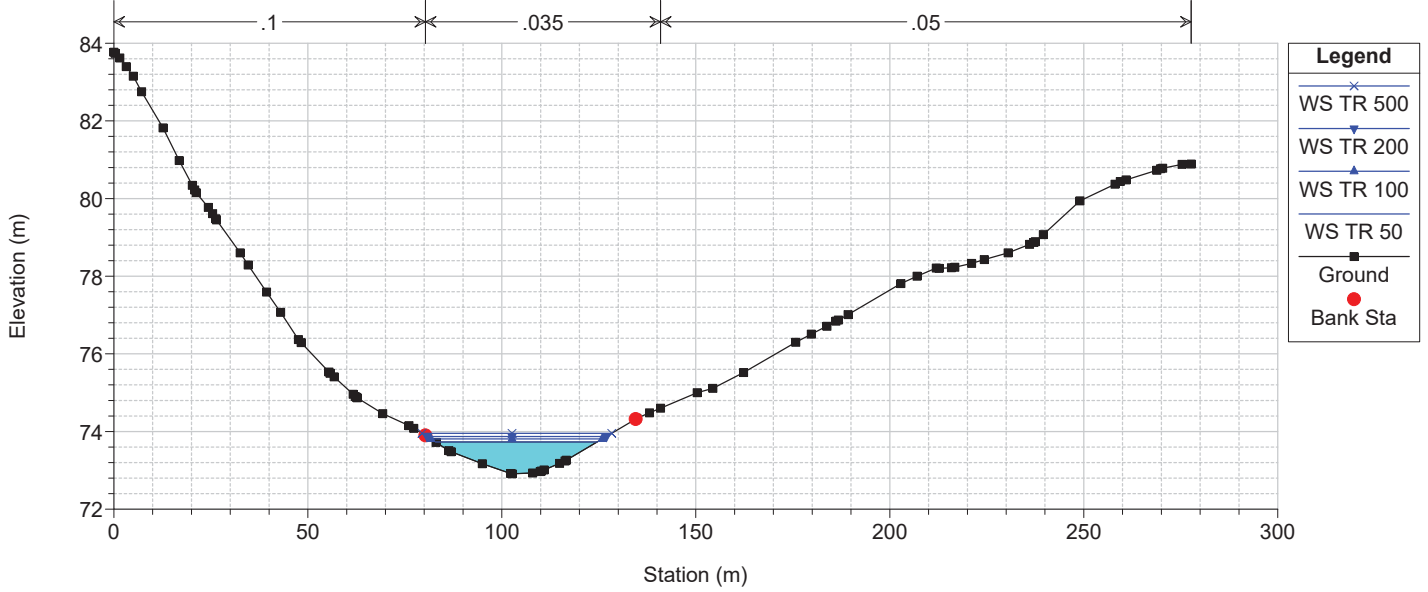
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

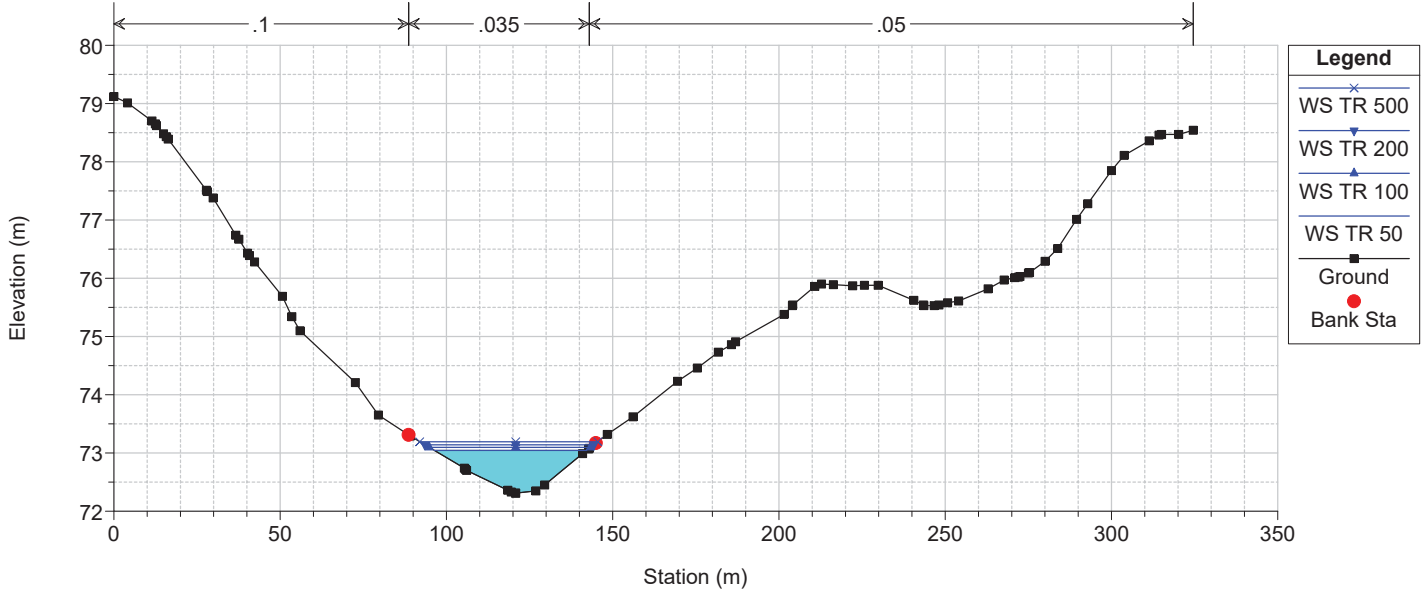
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

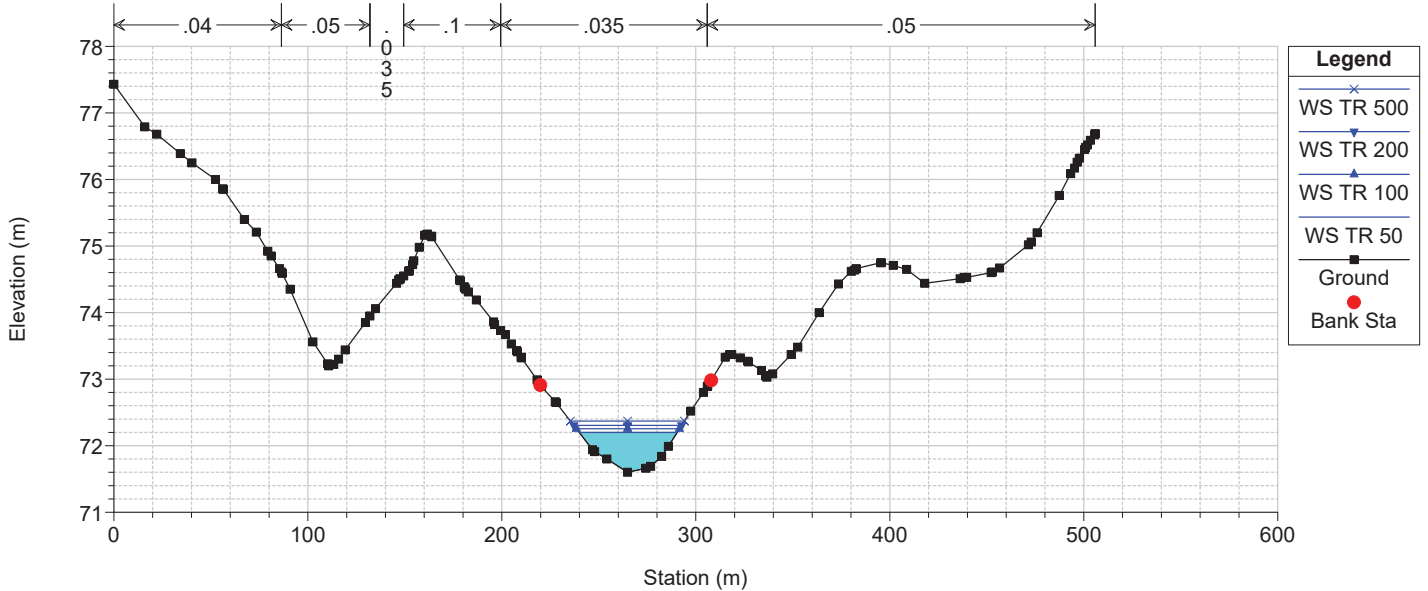
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

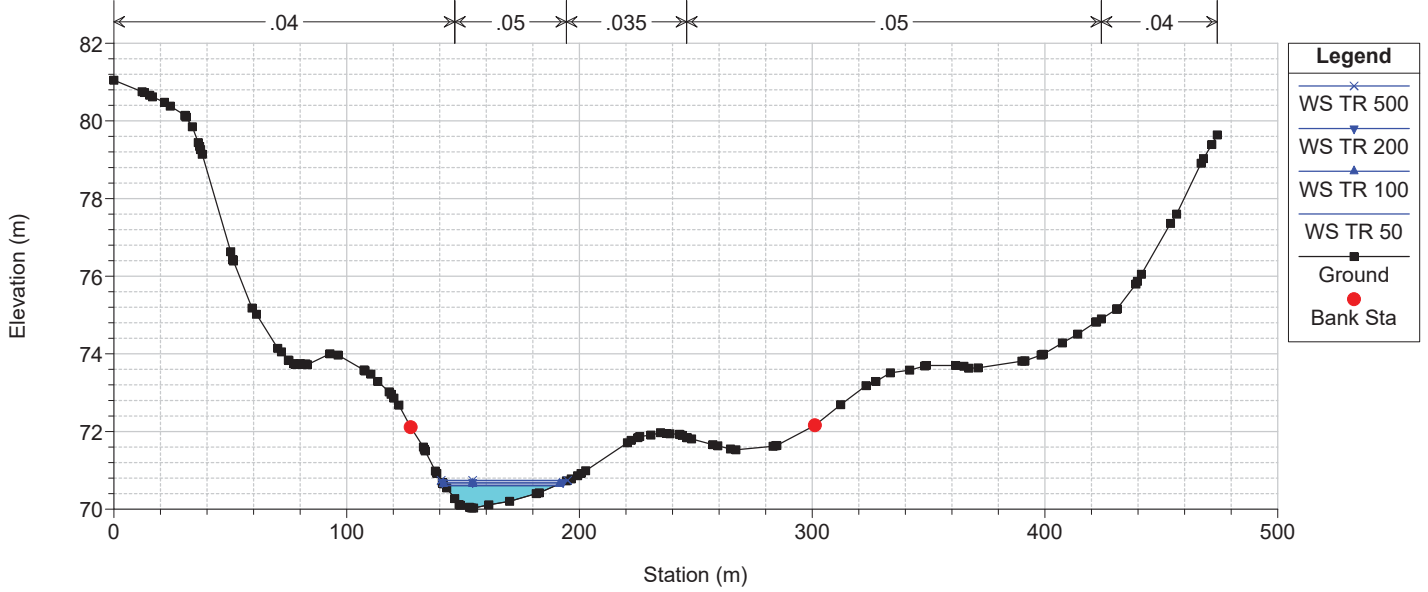
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

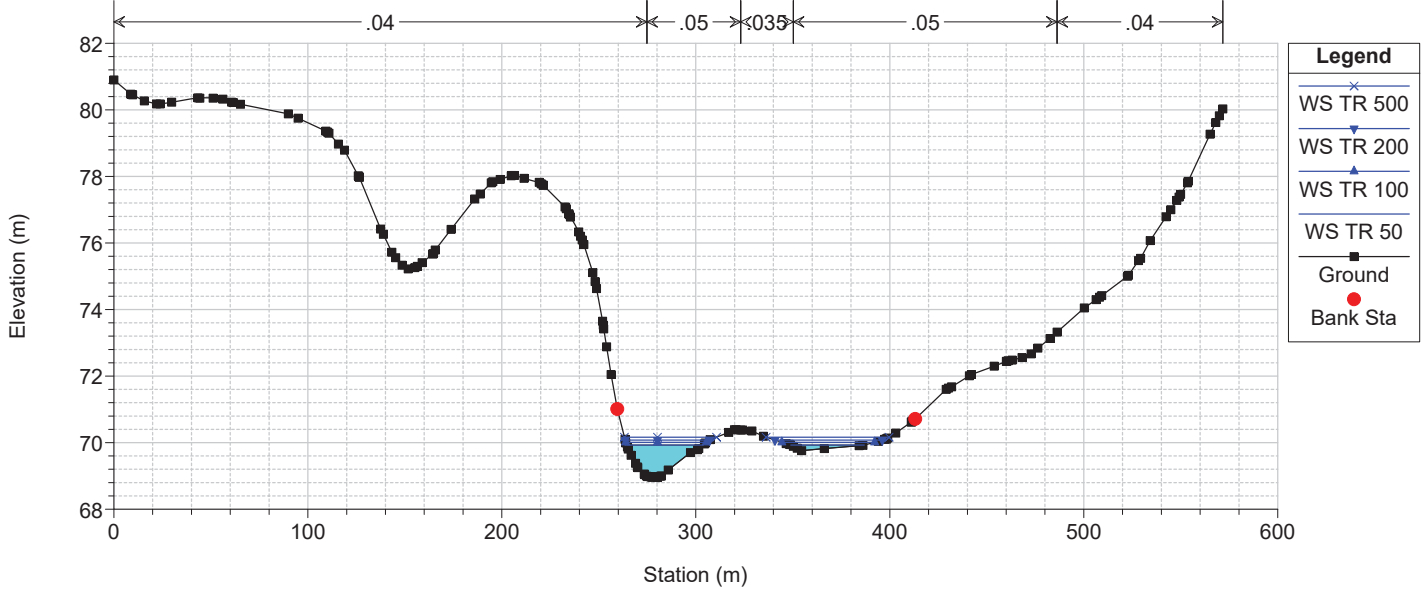
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Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

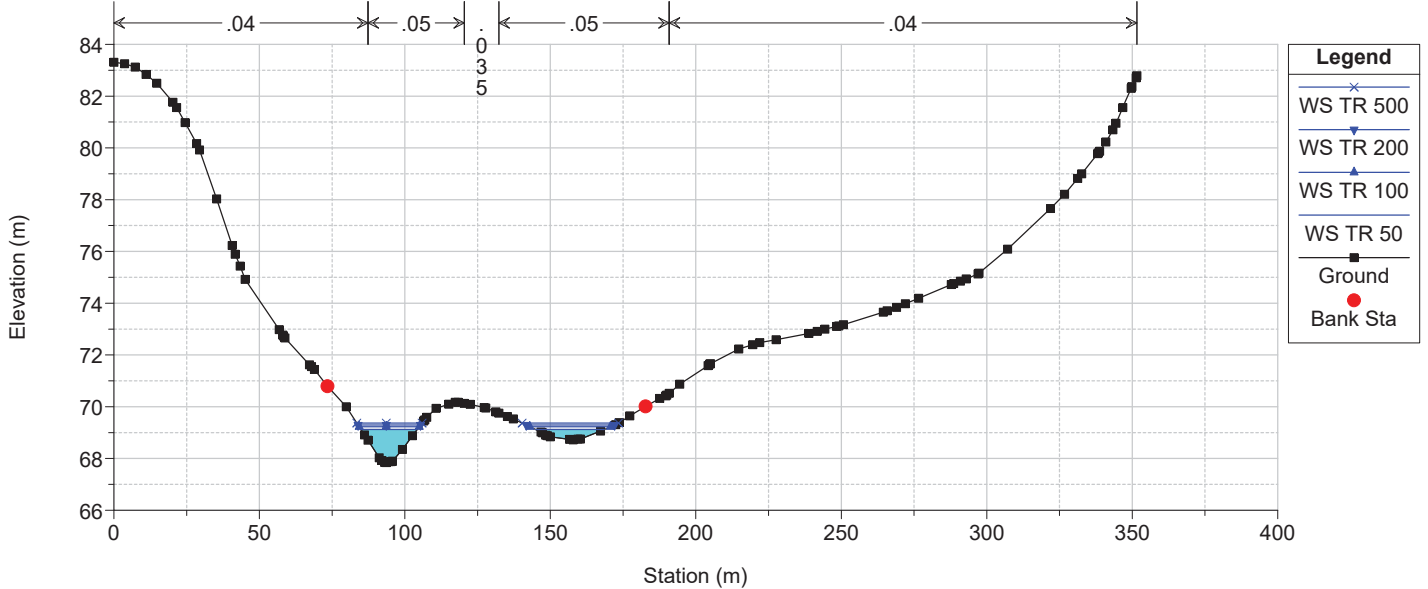
River = Riu_Correbuffas Reach = C32 RS = 4515.244 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

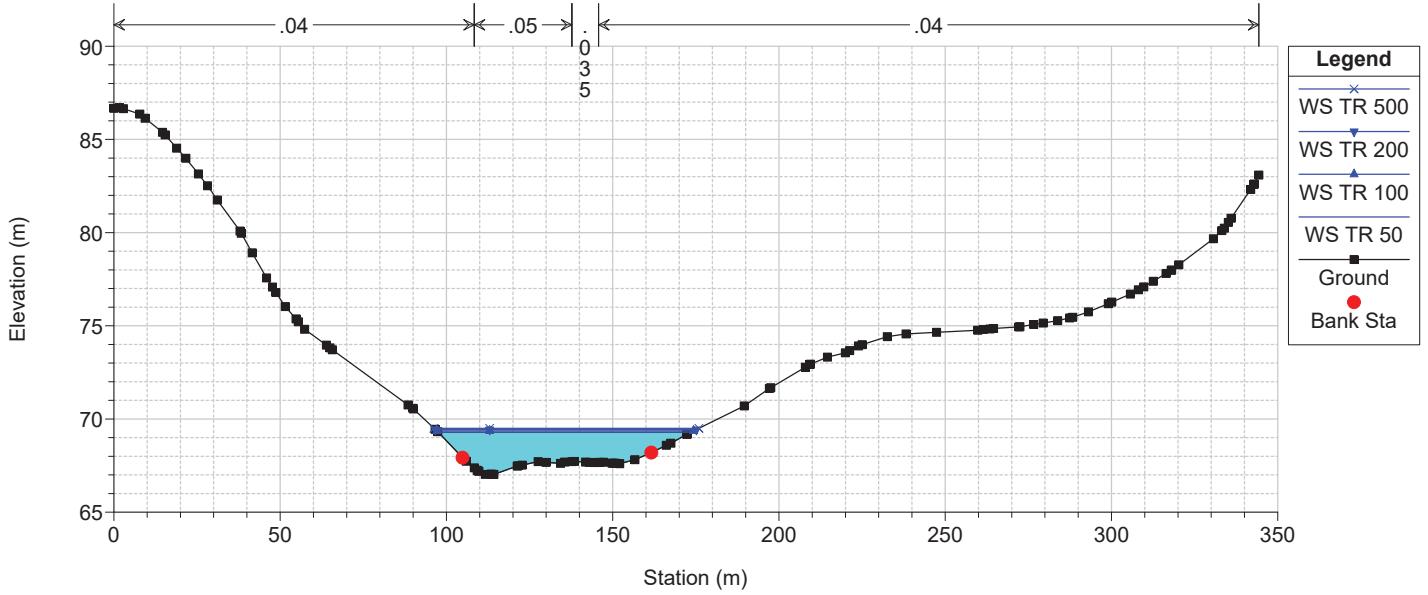
River = Riu_Correbuffas Reach = C32 RS = 4480.484 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

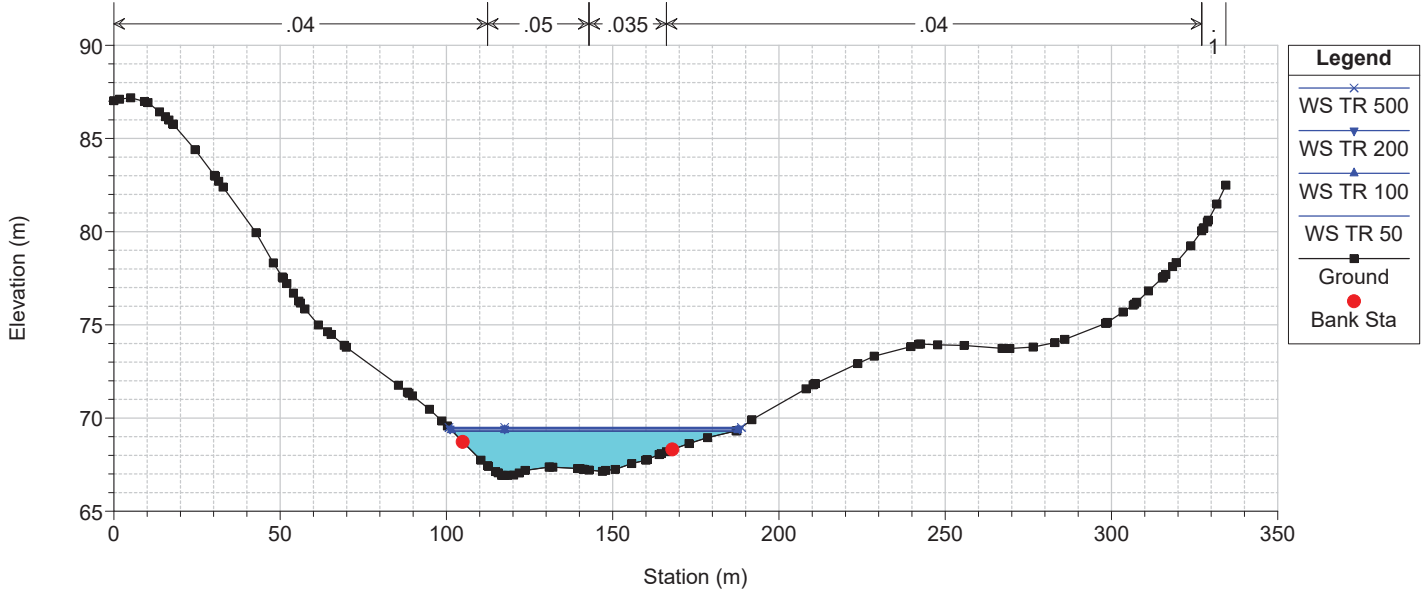
River = Riu_Correbuffas Reach = C32 RS = 4445.438 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

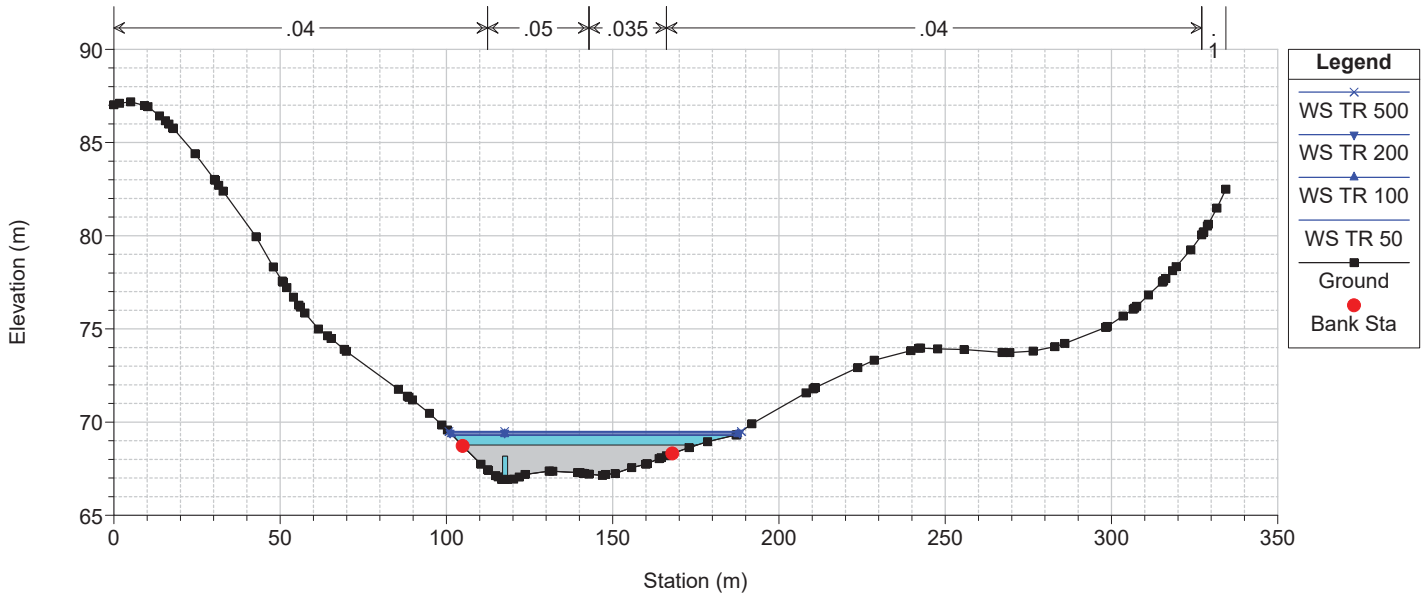
River = Riu_Correbuffas Reach = C32 RS = 4416.069 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

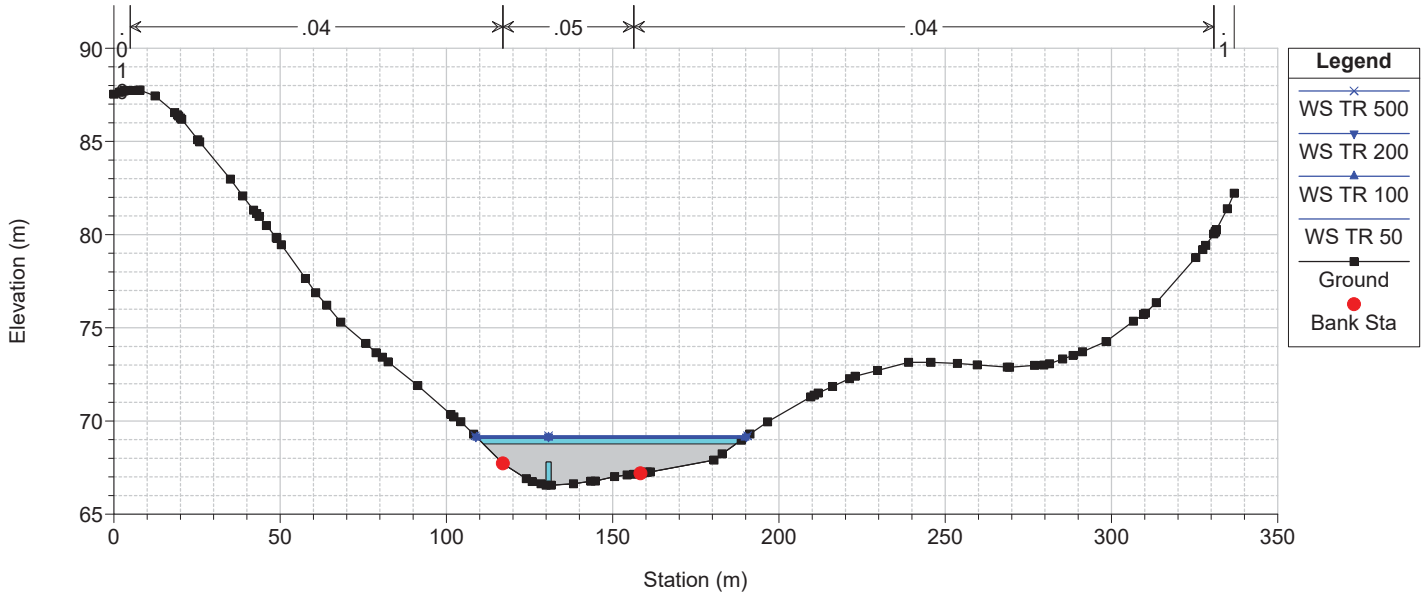
River = Riu_Correbuffas Reach = C32 RS = 4409.887 Culv C31 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

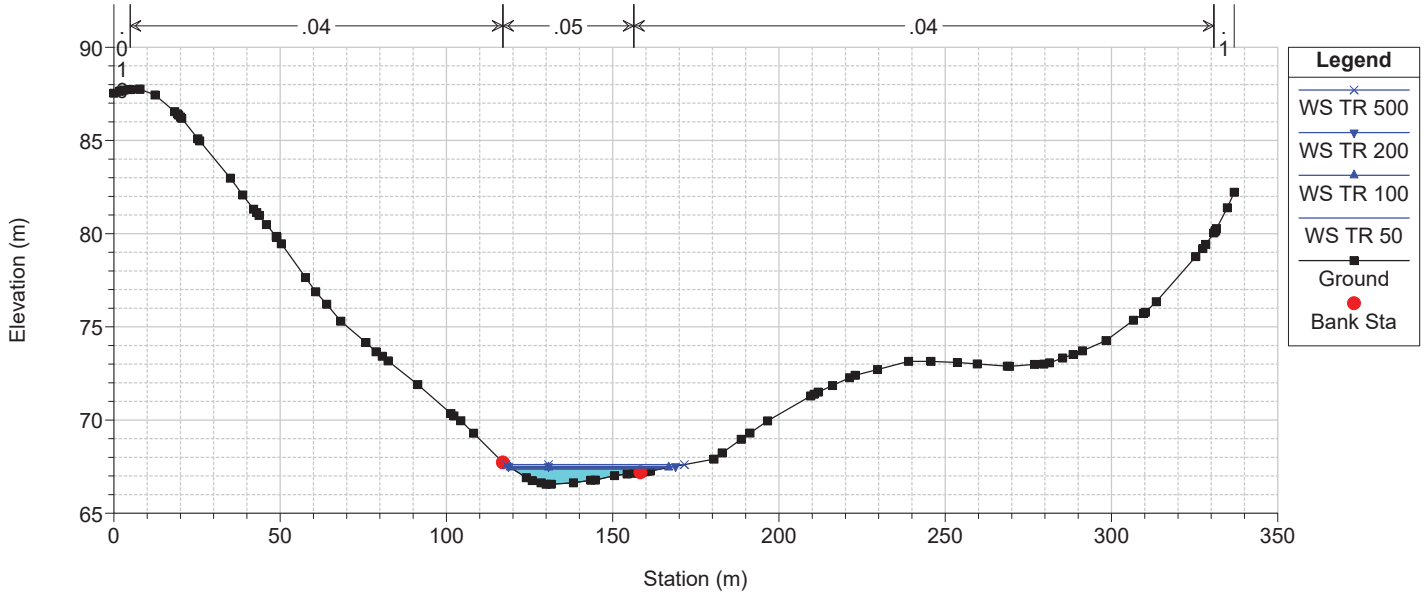
River = Riu_Correbuffas Reach = C32 RS = 4409.887 Culv C31 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

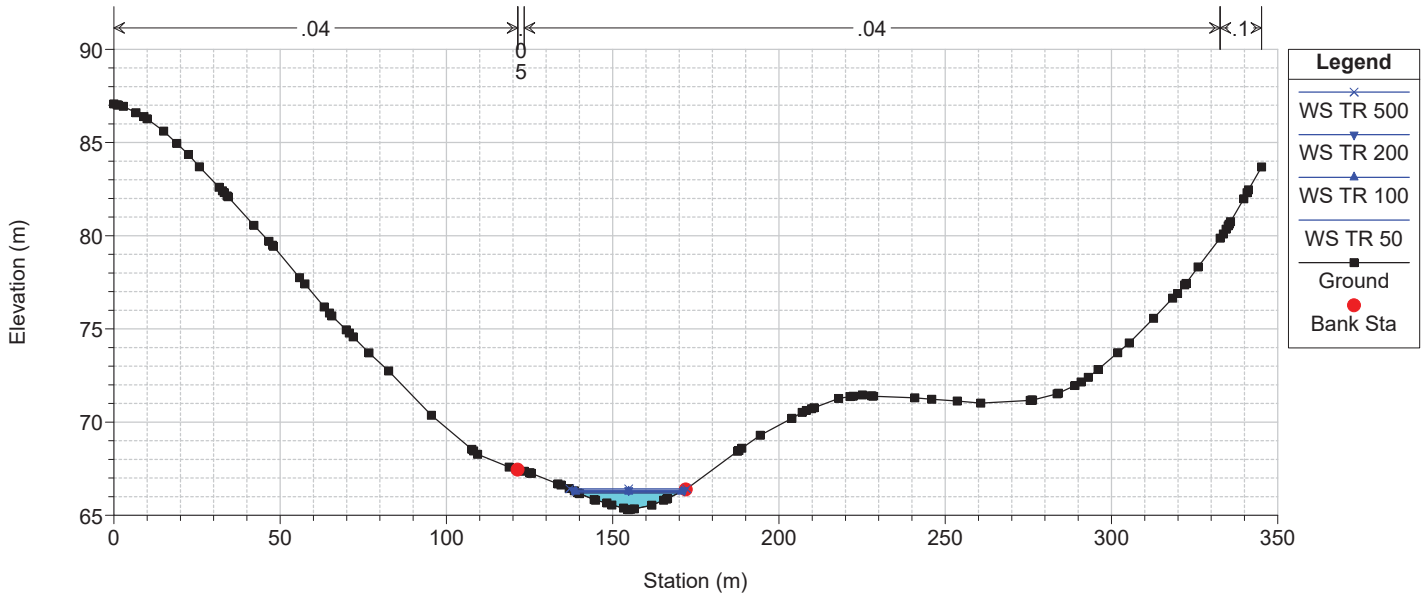
River = Riu_Correbuffas Reach = C32 RS = 4405.044 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

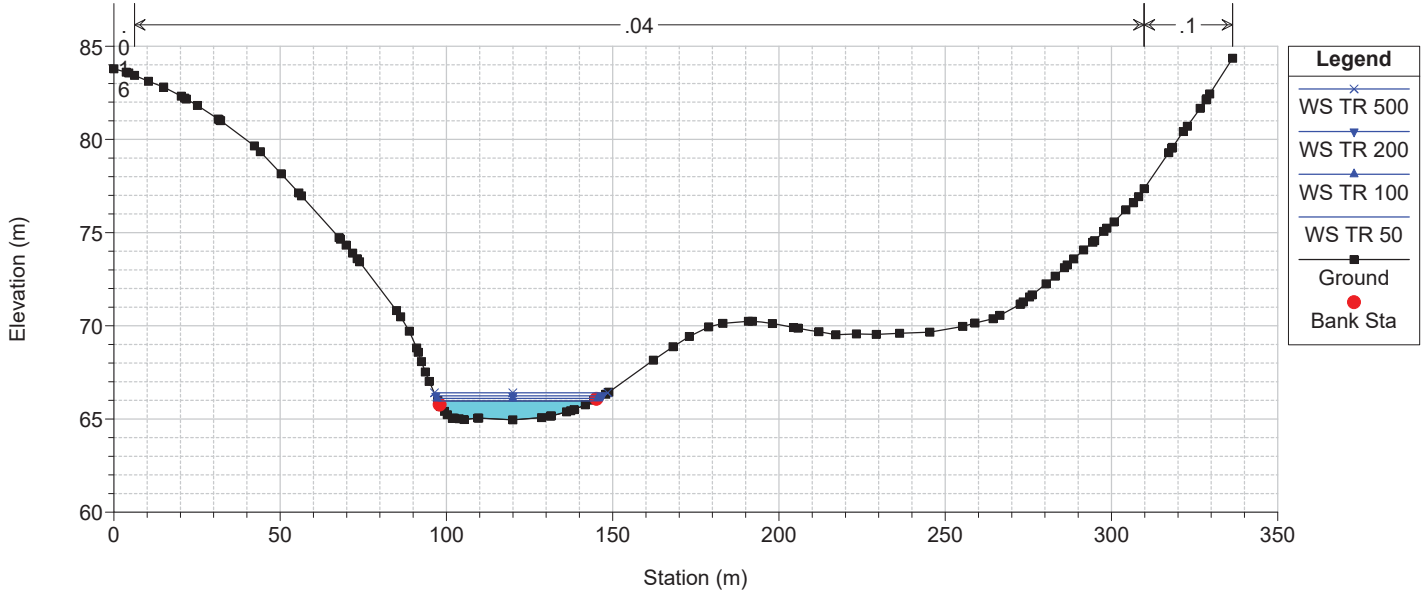
River = Riu_Correbuffas Reach = C32 RS = 4374.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

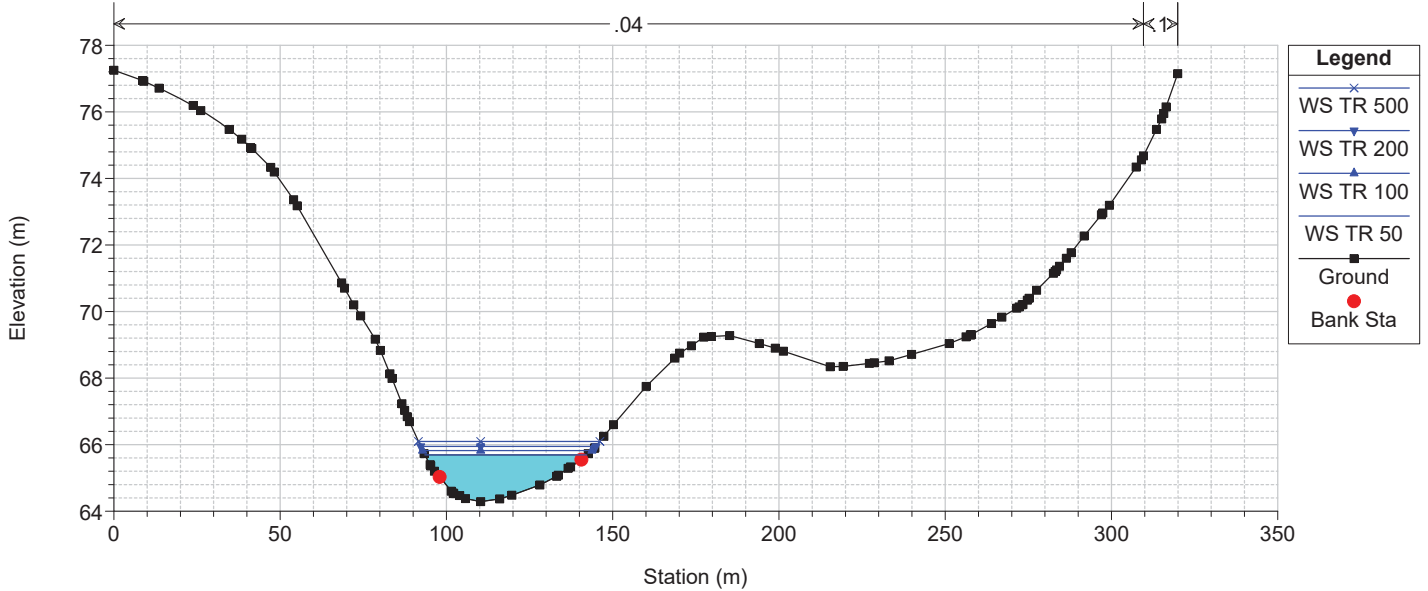
River = Riu_Correbuffas Reach = C32 RS = 4338.983 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

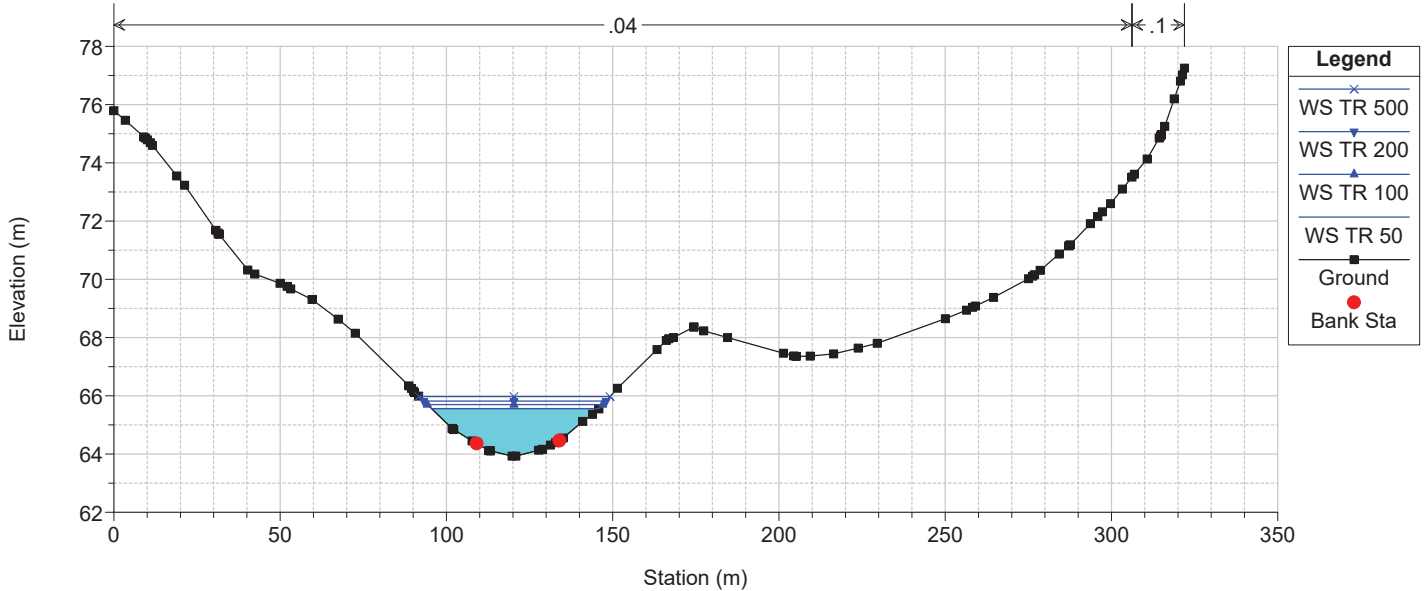
River = Riu_Correbuffas Reach = C32 RS = 4304.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

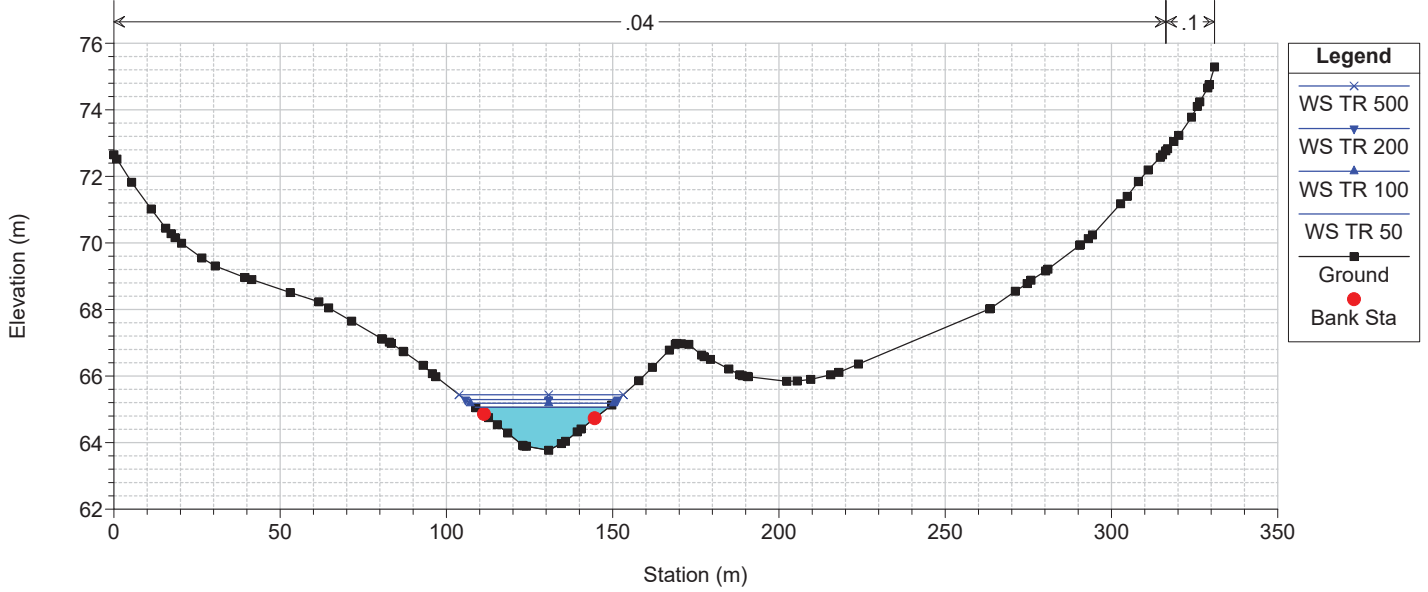
River = Riu_Correbuffas Reach = C32 RS = 4269.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

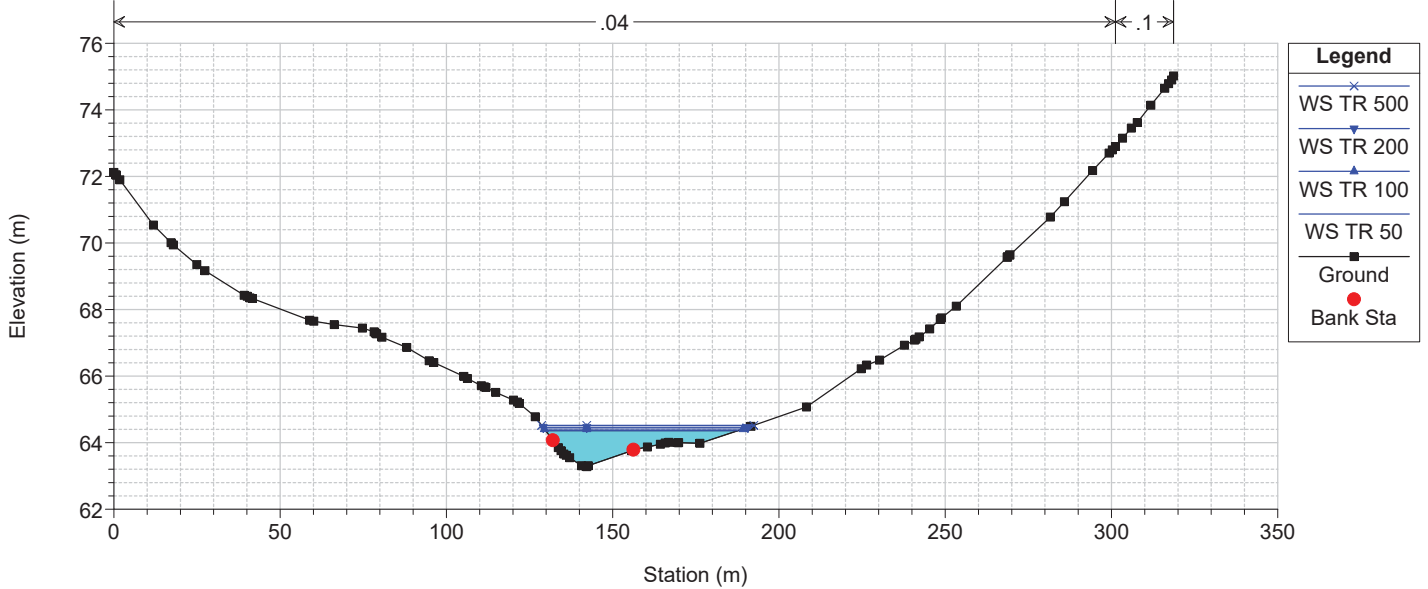
River = Riu_Correbuffas Reach = C32 RS = 4234.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

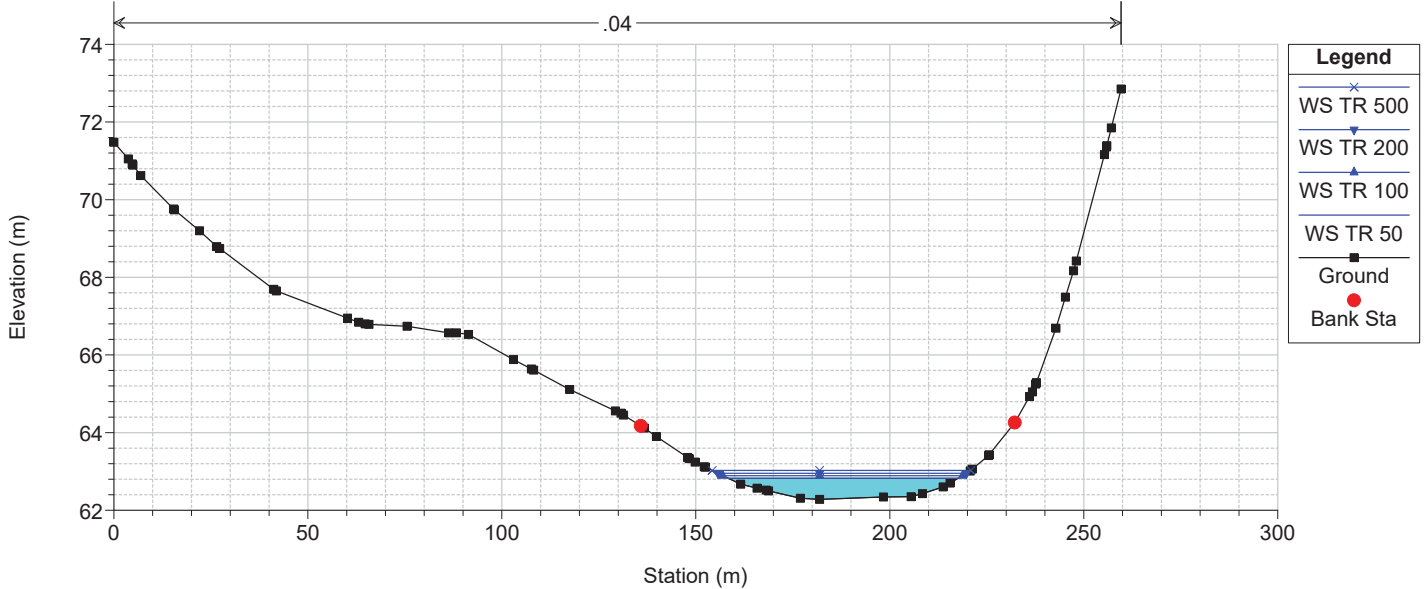
River = Riu_Correbuffas Reach = C32 RS = 4199.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

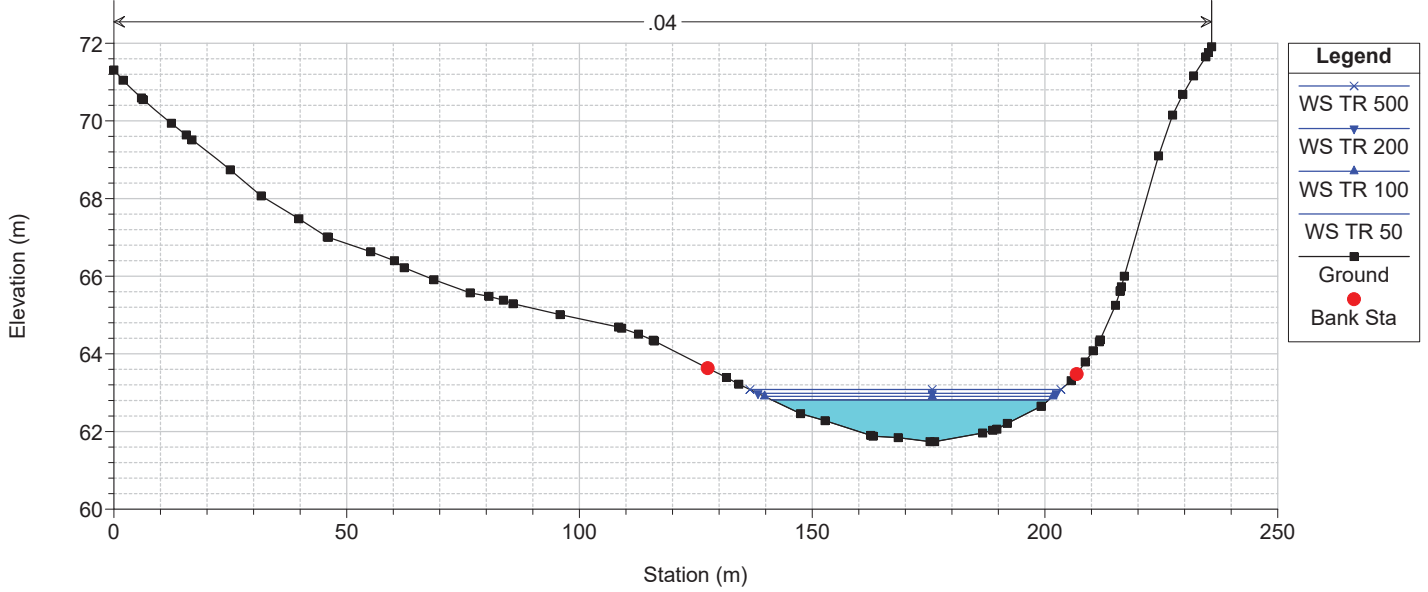
River = Riu_Correbuffas Reach = C32 RS = 4164.248 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

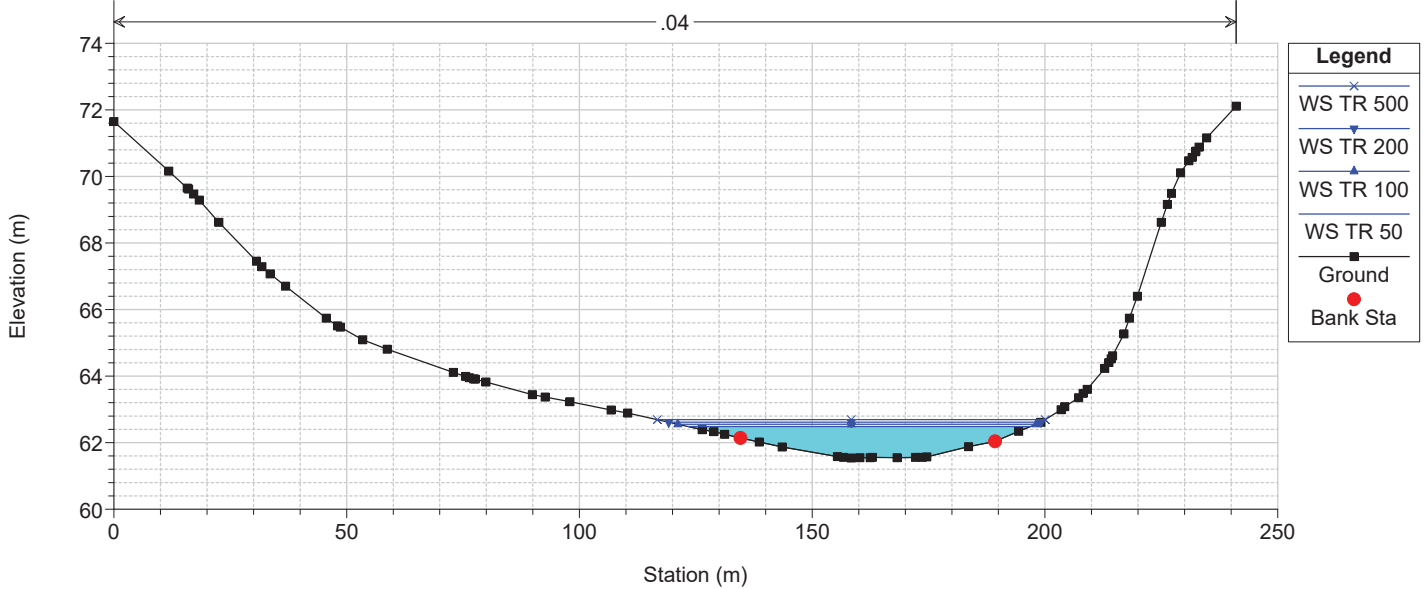
River = Riu_Correbuffas Reach = C32 RS = 4129.27 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

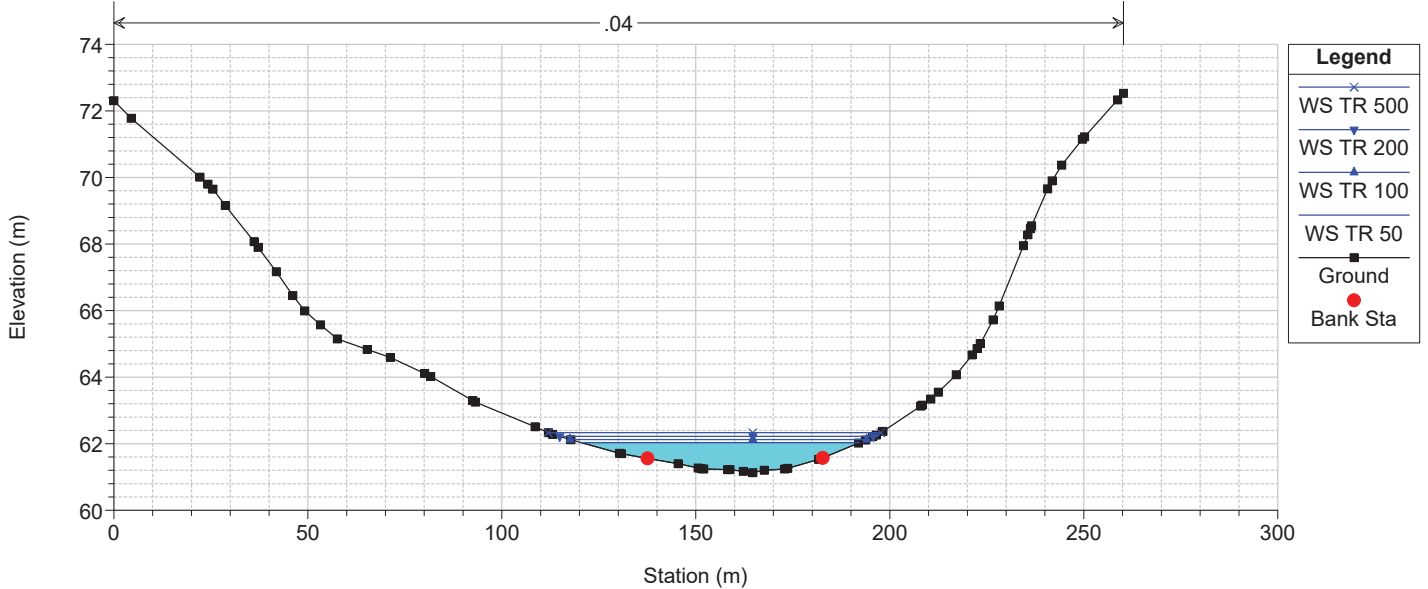
River = Riu_Correbuffas Reach = C32 RS = 4094.328 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

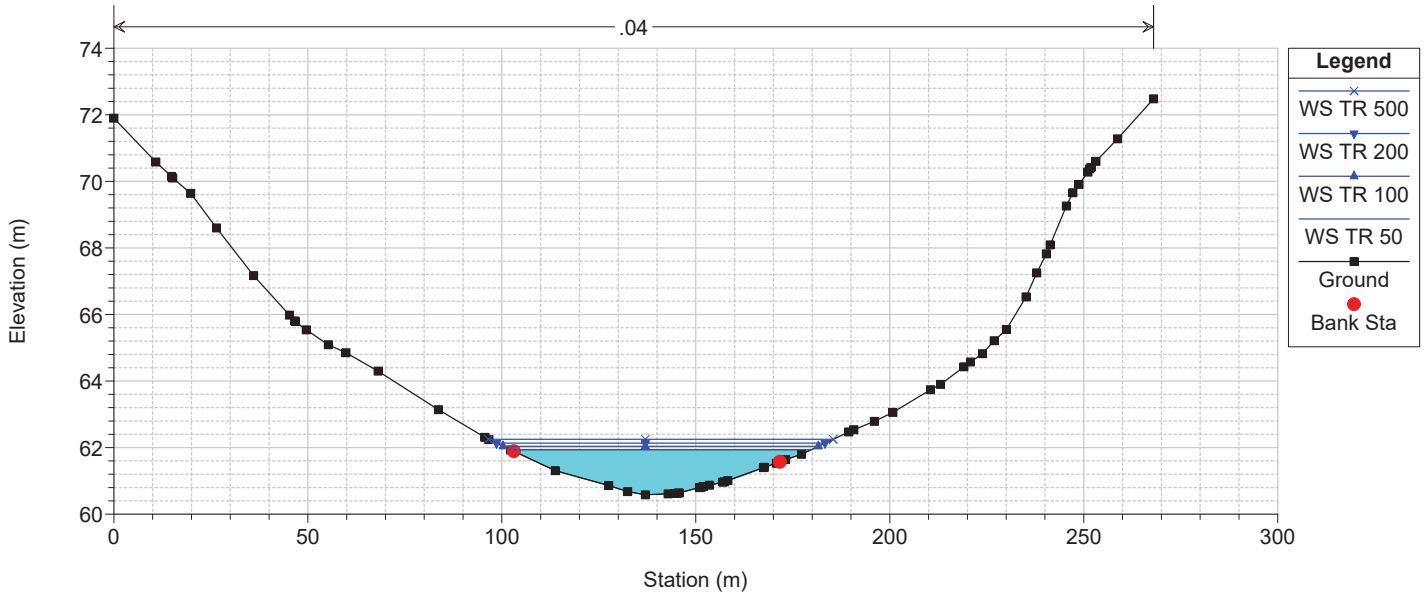
River = Riu_Correbuffas Reach = C32 RS = 4059.293 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

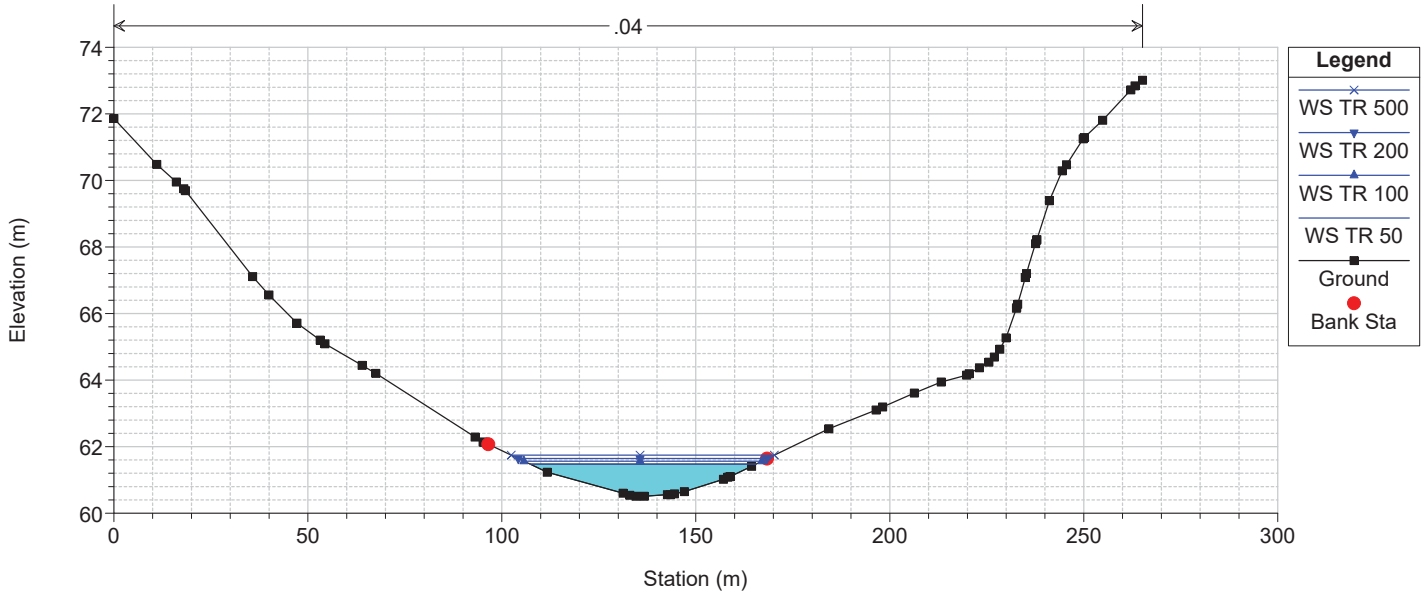
River = Riu_Correbuffas Reach = C32 RS = 4024.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

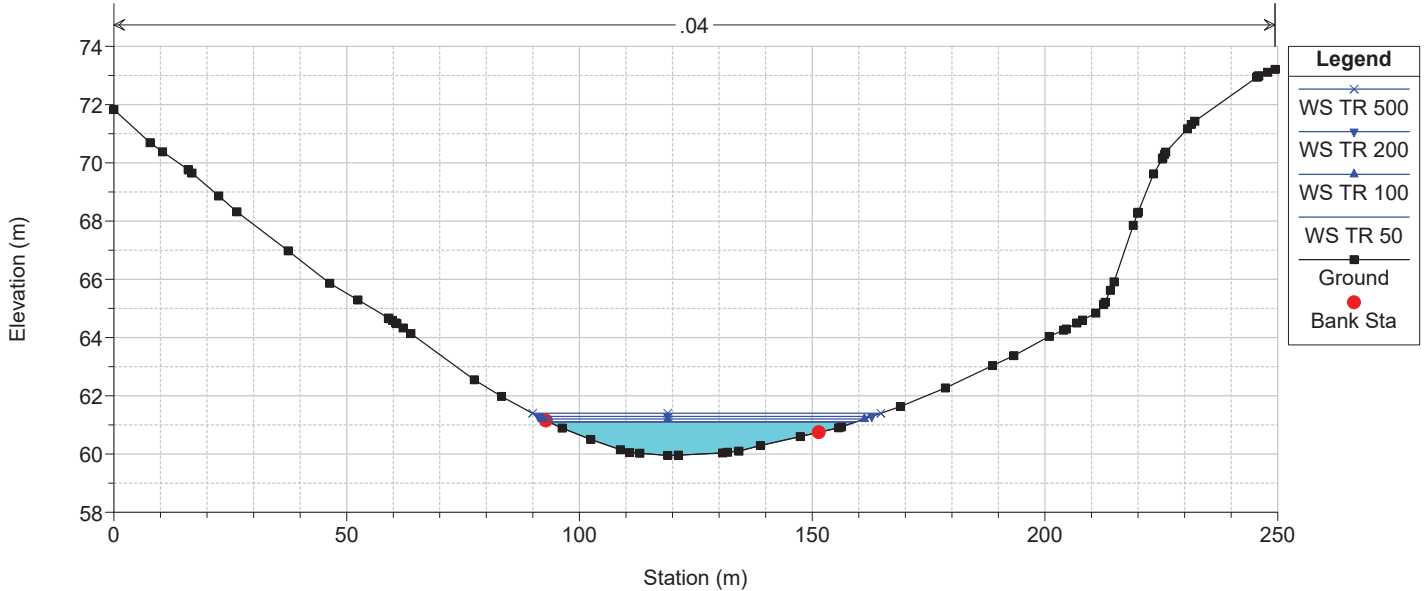
River = Riu_Correbuffas Reach = C32 RS = 3989.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

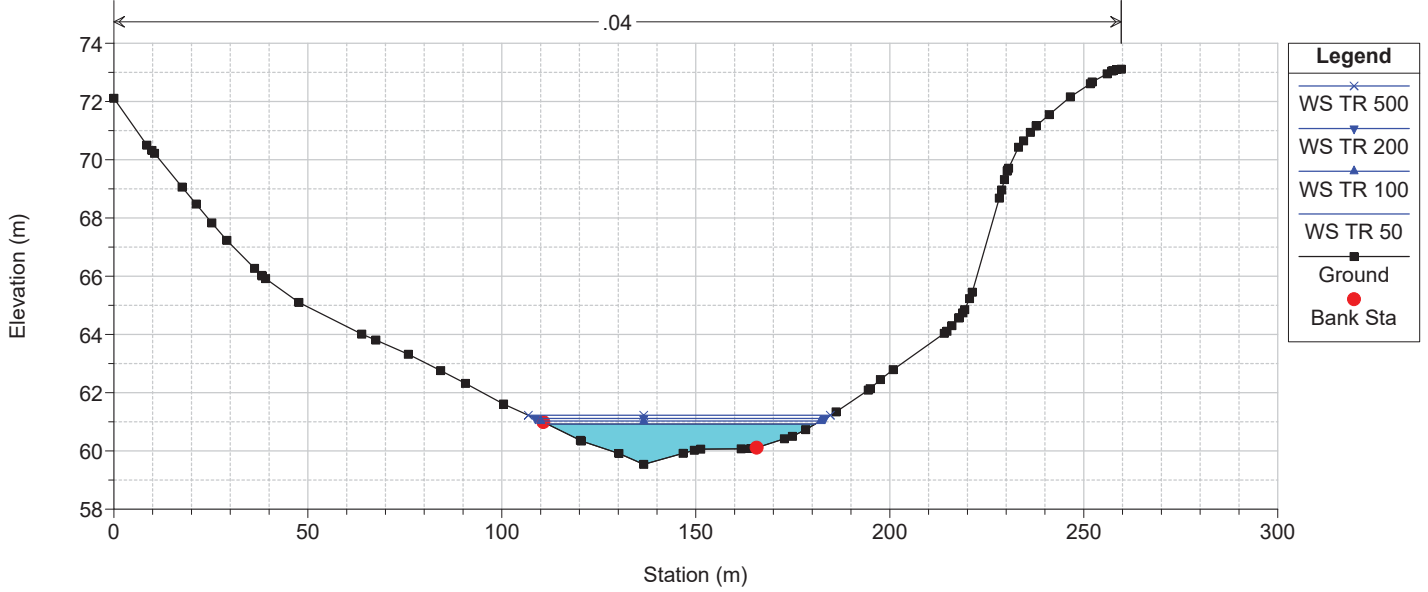
River = Riu_Correbuffas Reach = C32 RS = 3954.319 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

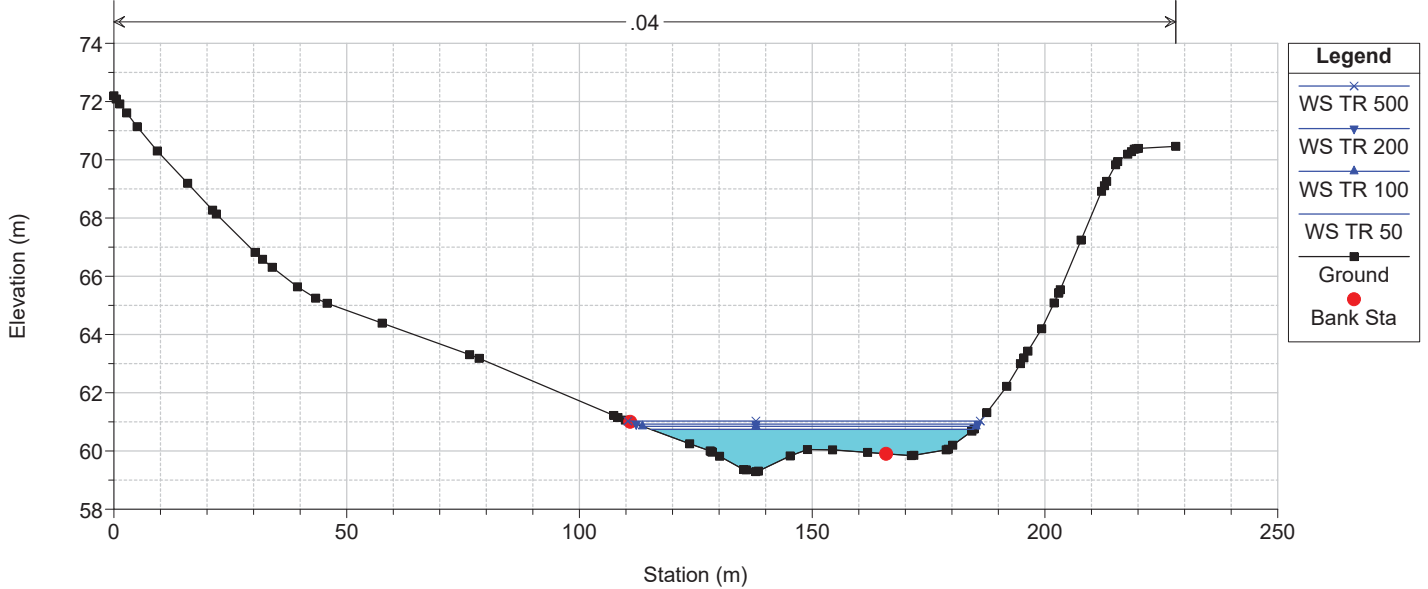
River = Riu_Correbuffas Reach = C32 RS = 3919.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

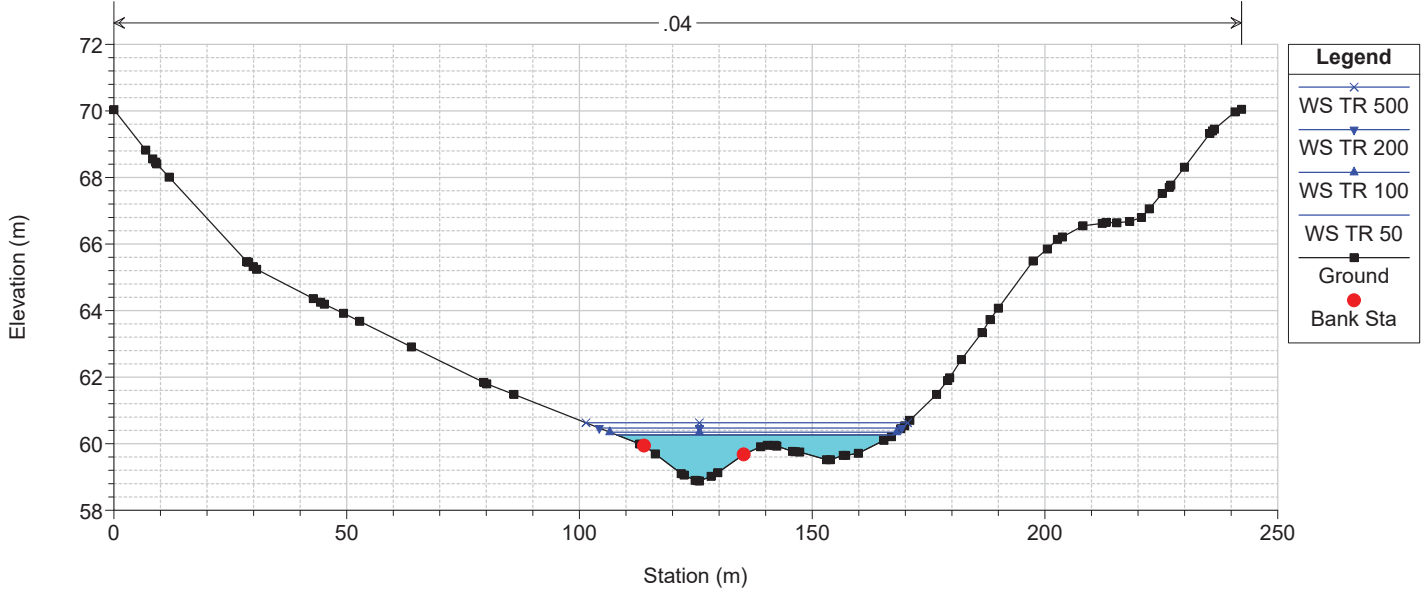
River = Riu_Correbuffas Reach = C32 RS = 3884.368 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

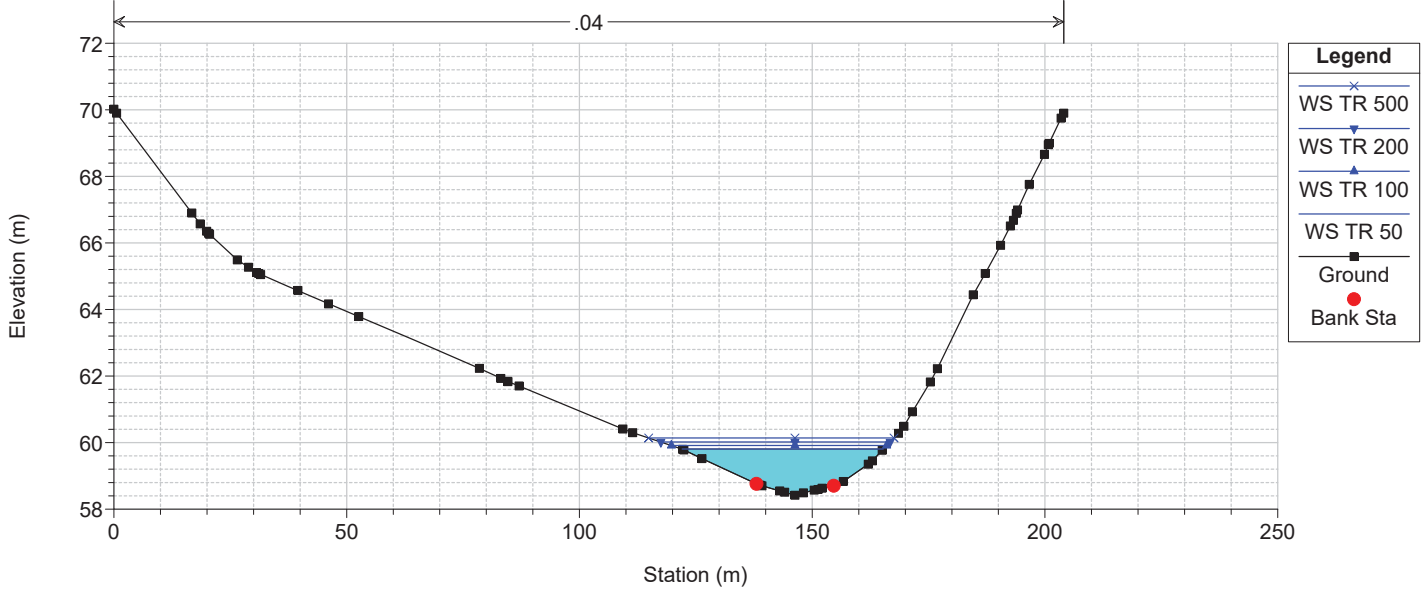
River = Riu_Correbuffas Reach = C32 RS = 3849.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

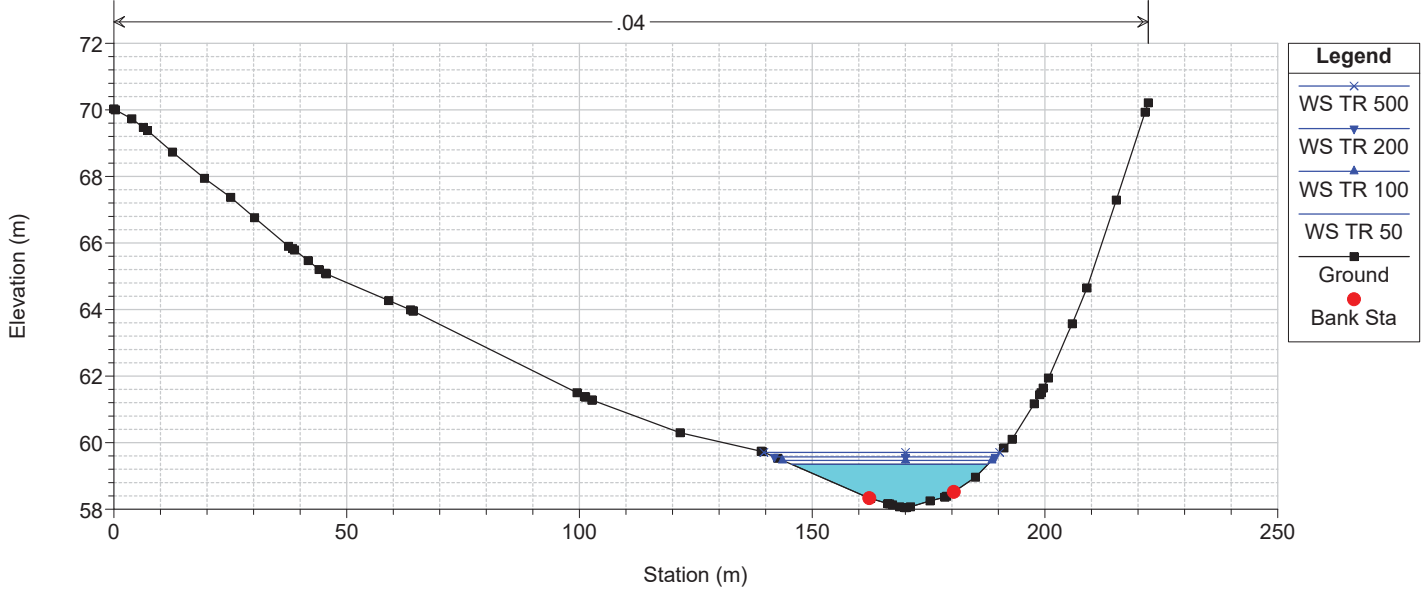
River = Riu_Correbuffas Reach = C32 RS = 3814.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

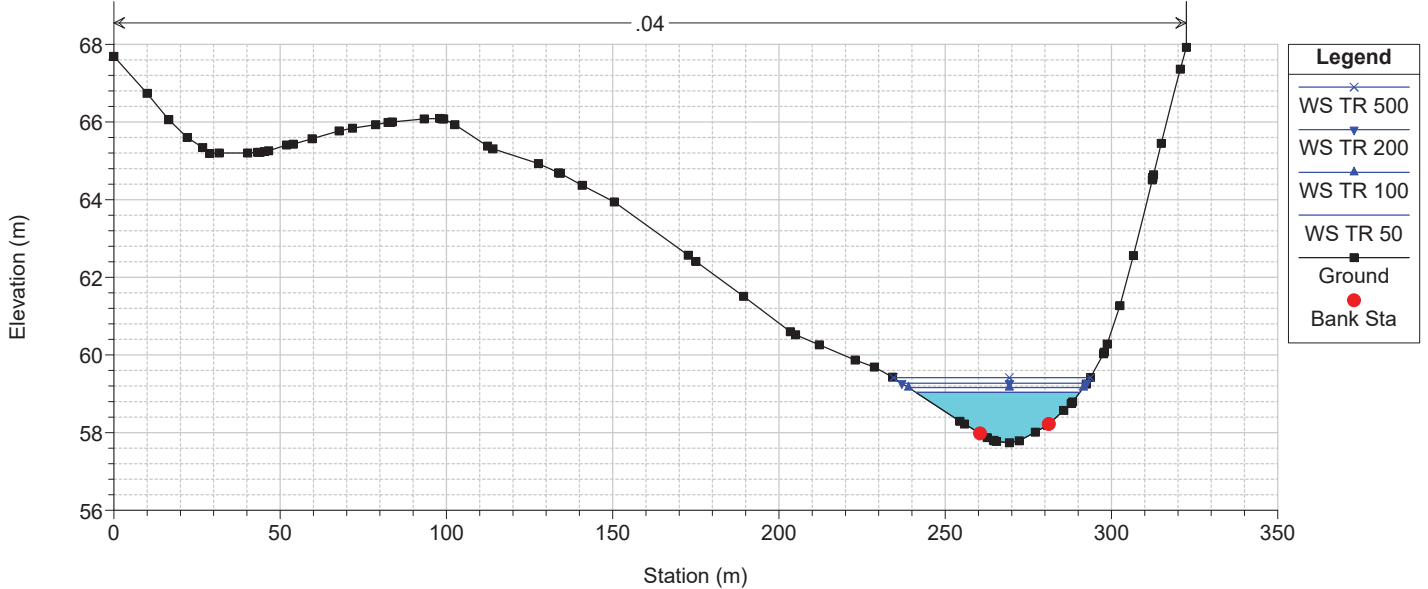
River = Riu_Correbuffas Reach = C32 RS = 3779.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

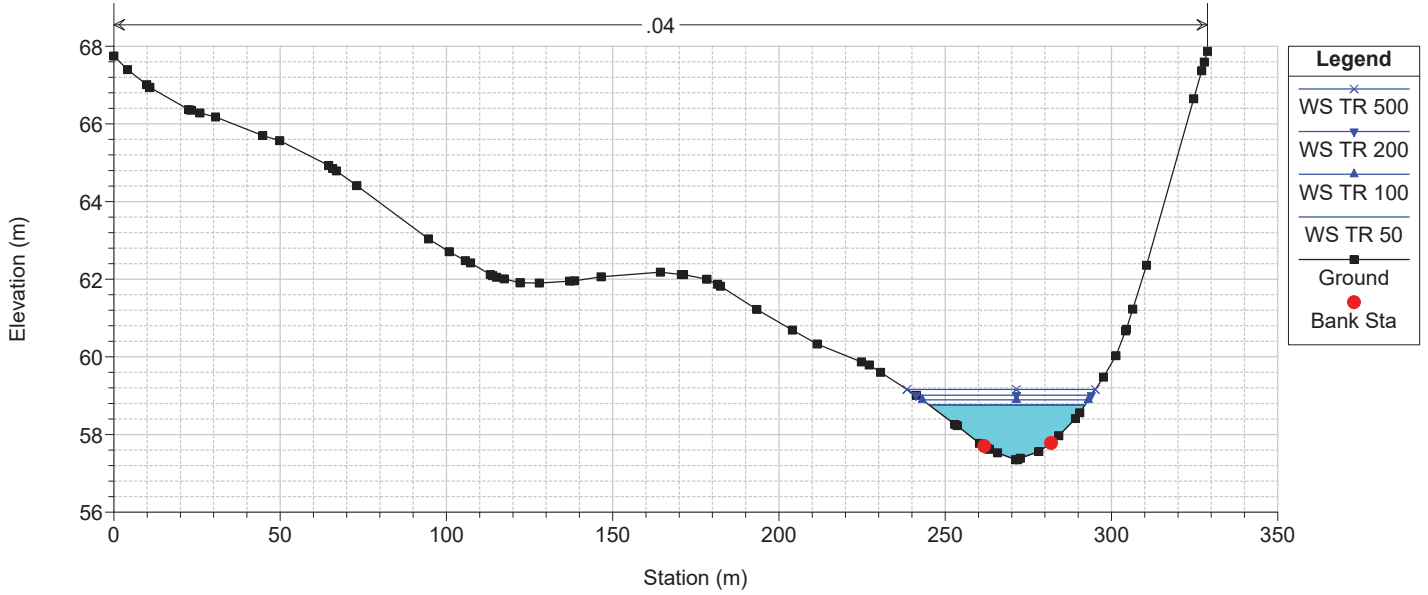
River = Riu_Correbuffas Reach = C32 RS = 3744.294 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

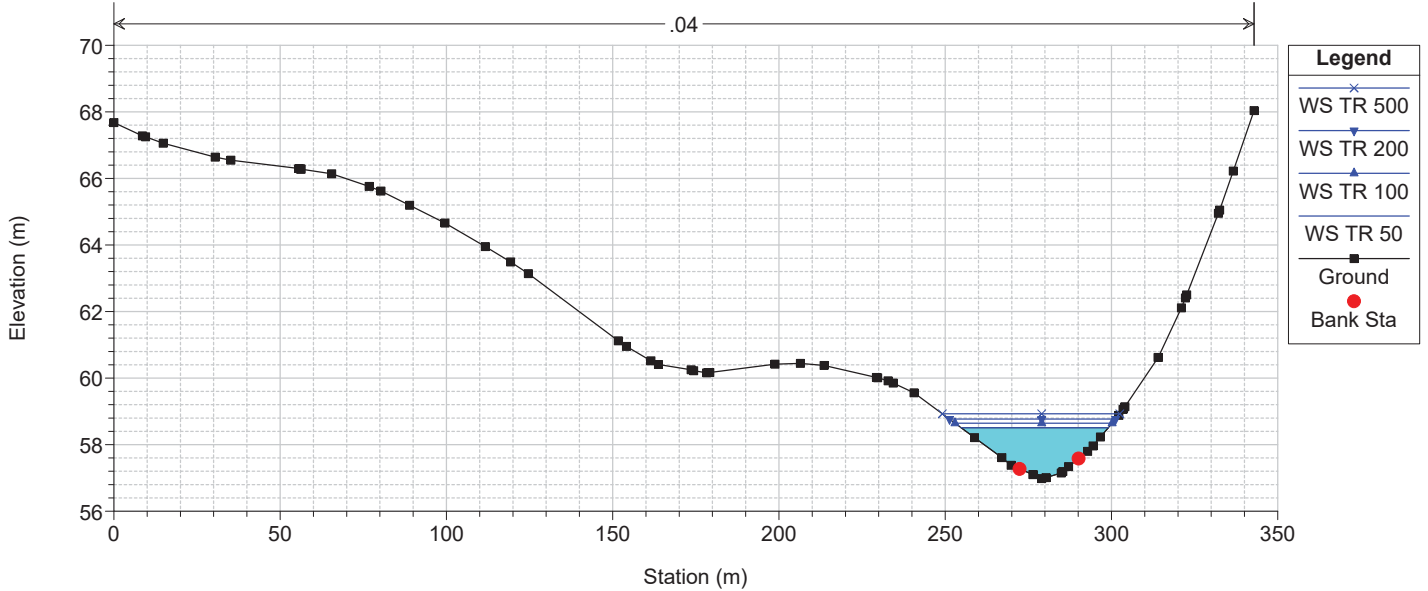
River = Riu_Correbuffas Reach = C32 RS = 3709.318 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

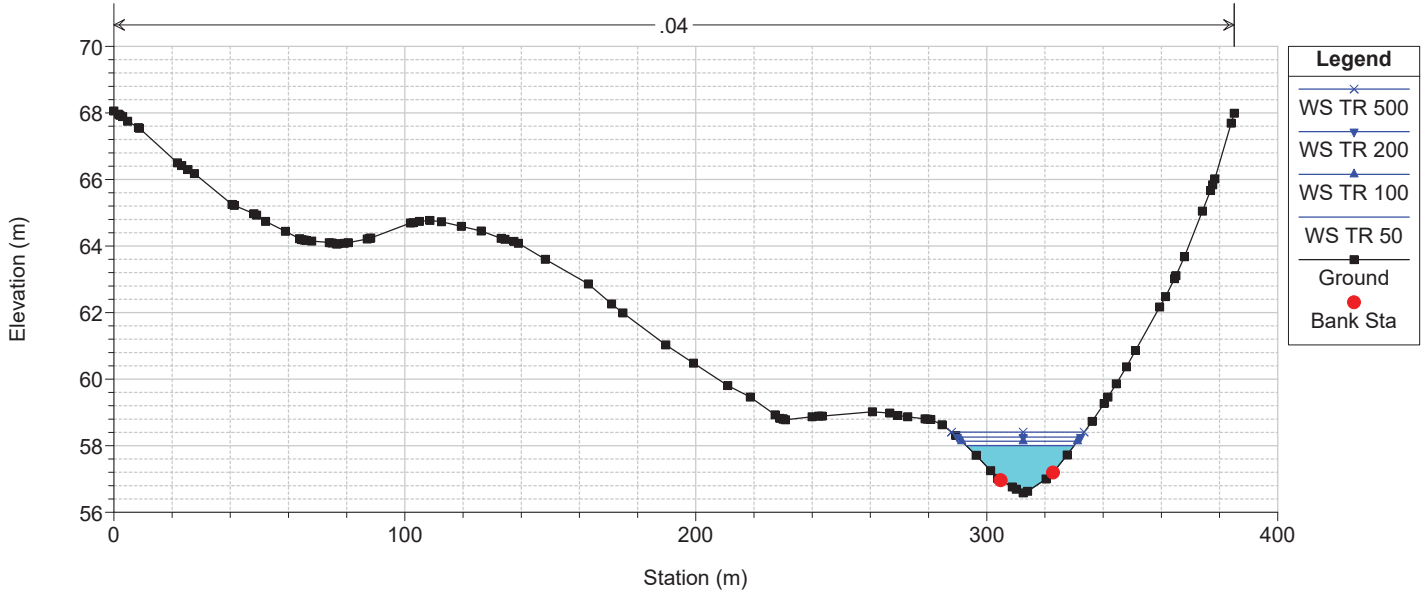
River = Riu_Correbuffas Reach = C32 RS = 3674.225 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

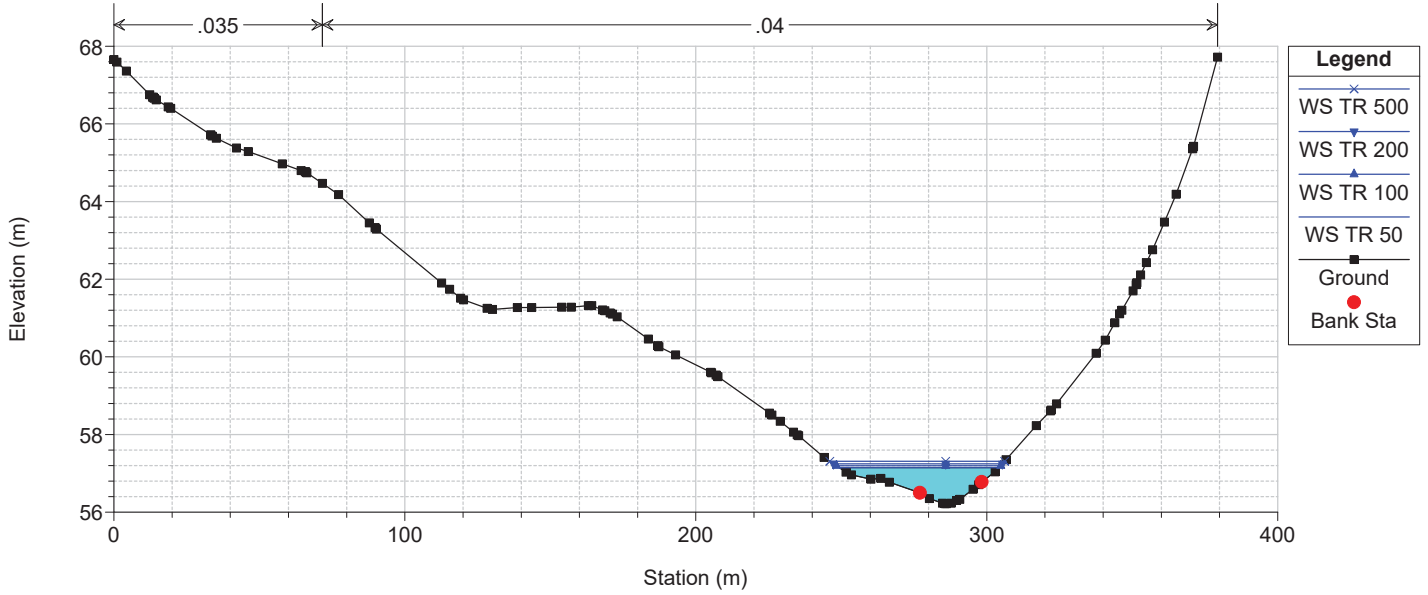
River = Riu_Correbuffas Reach = C32 RS = 3639.263 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

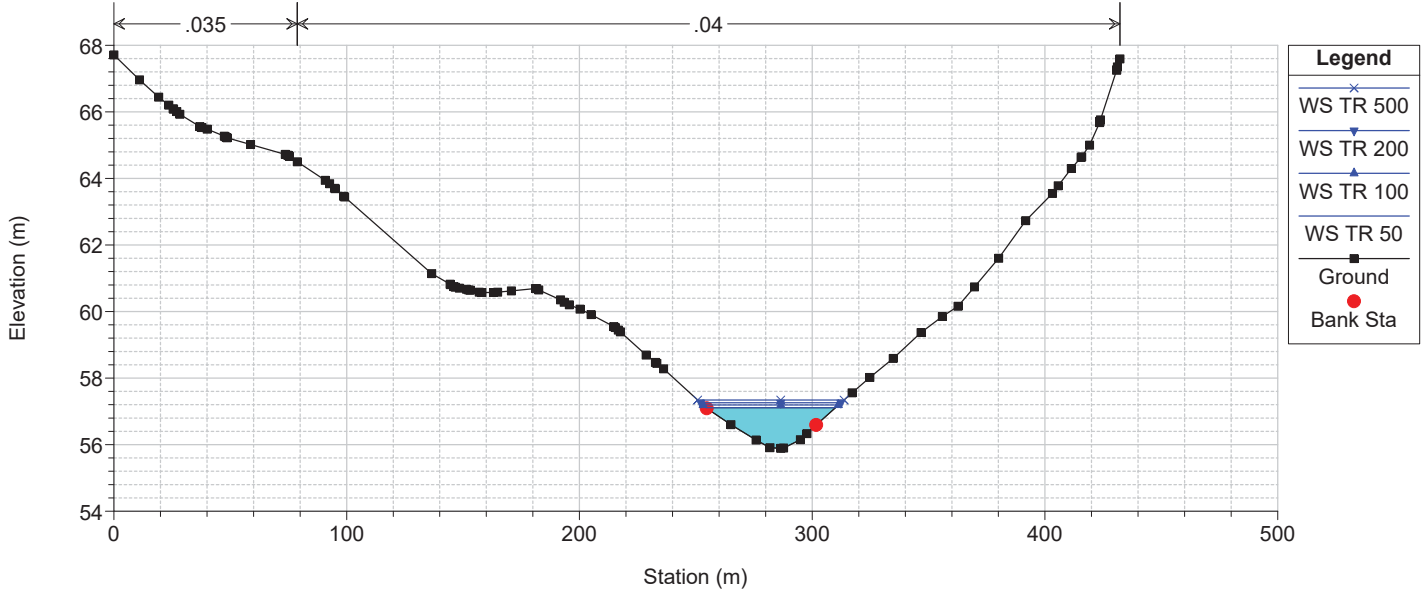
River = Riu_Correbuffas Reach = C32 RS = 3604.611 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

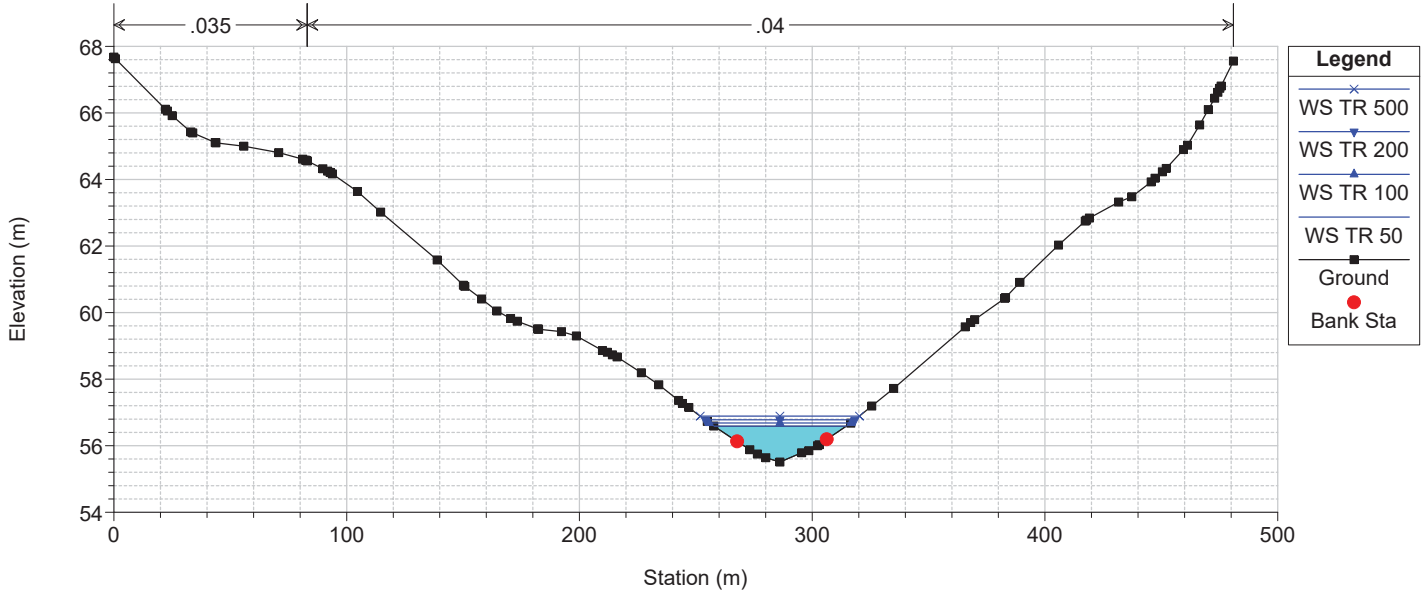
River = Riu_Correbuffas Reach = C32 RS = 3569.187 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

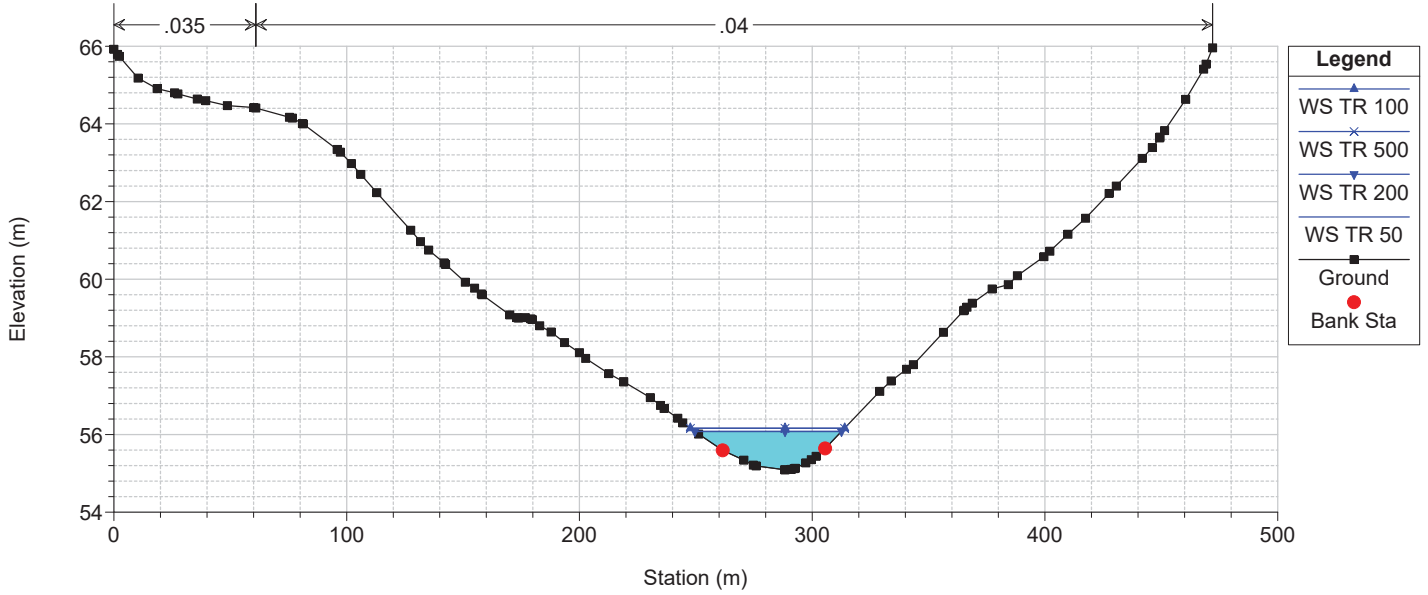
River = Riu_Correbuffas Reach = C32 RS = 3534.348 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

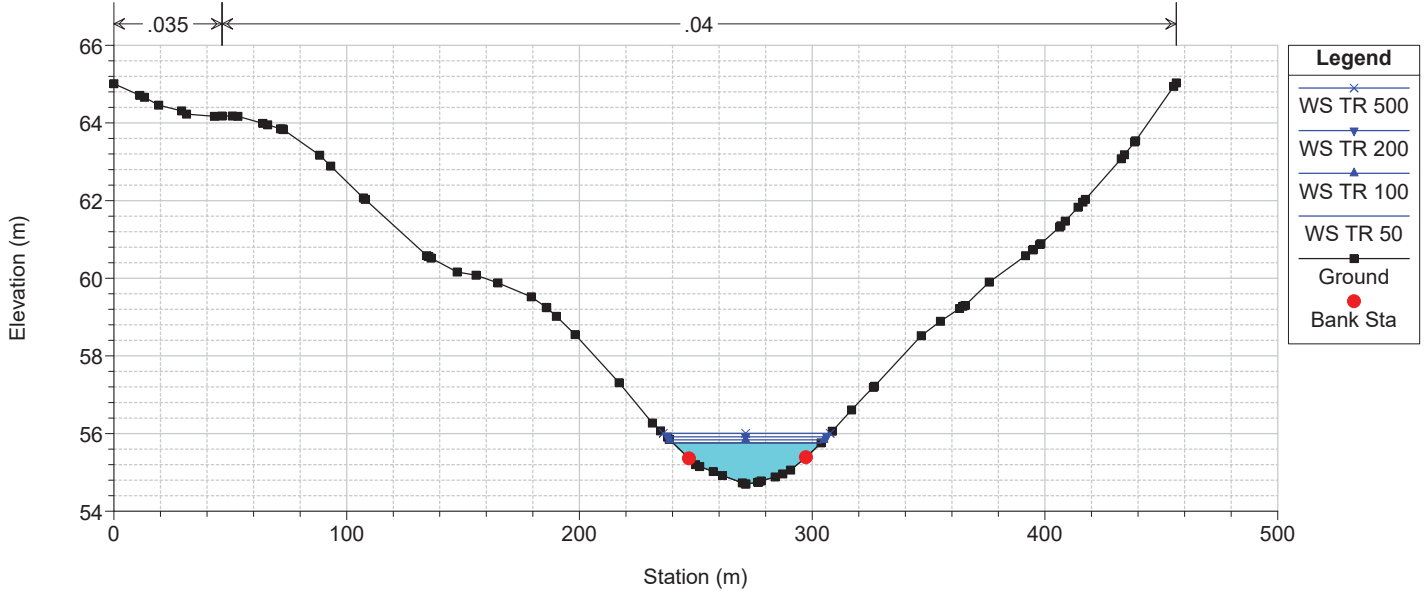
River = Riu_Correbuffas Reach = C32 RS = 3499.519 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

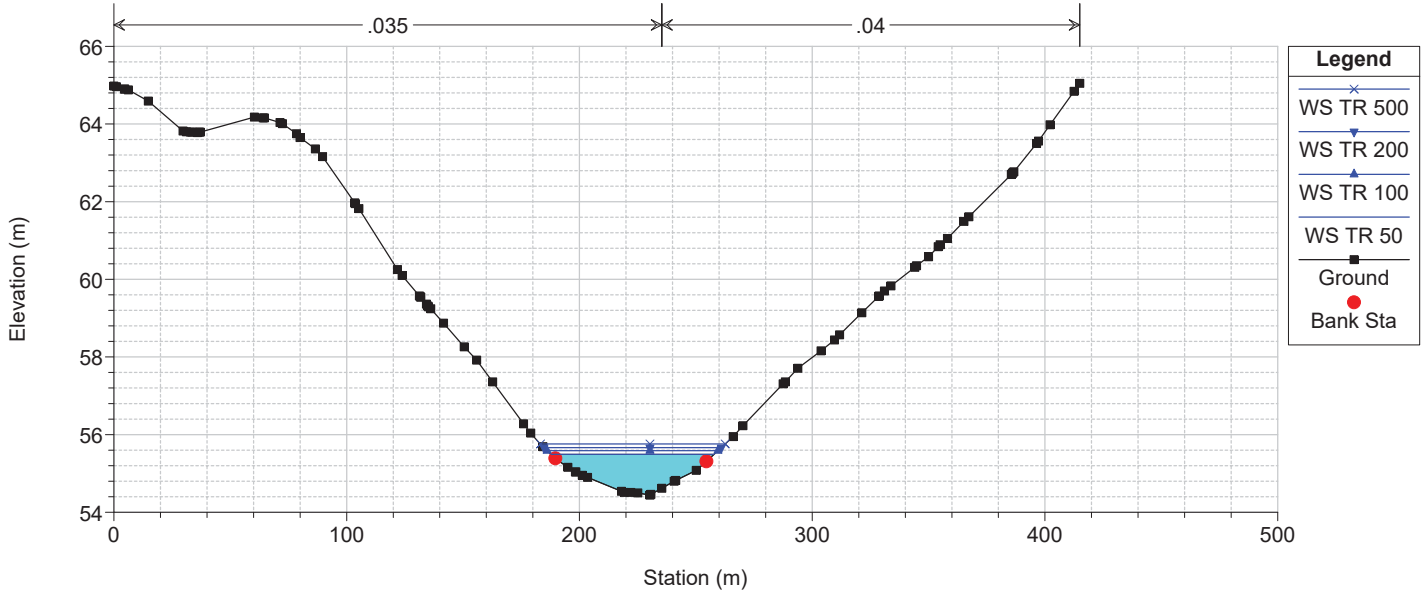
River = Riu_Correbuffas Reach = C32 RS = 3464.225 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

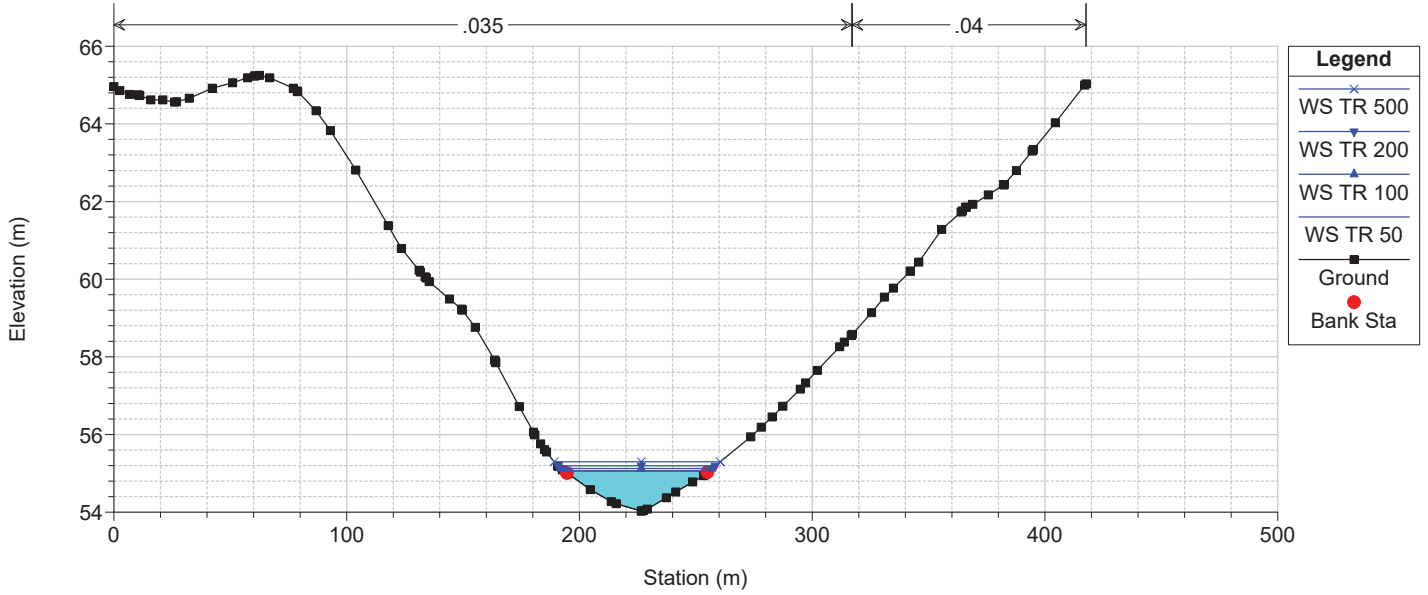
River = Riu_Correbuffas Reach = C32 RS = 3429.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

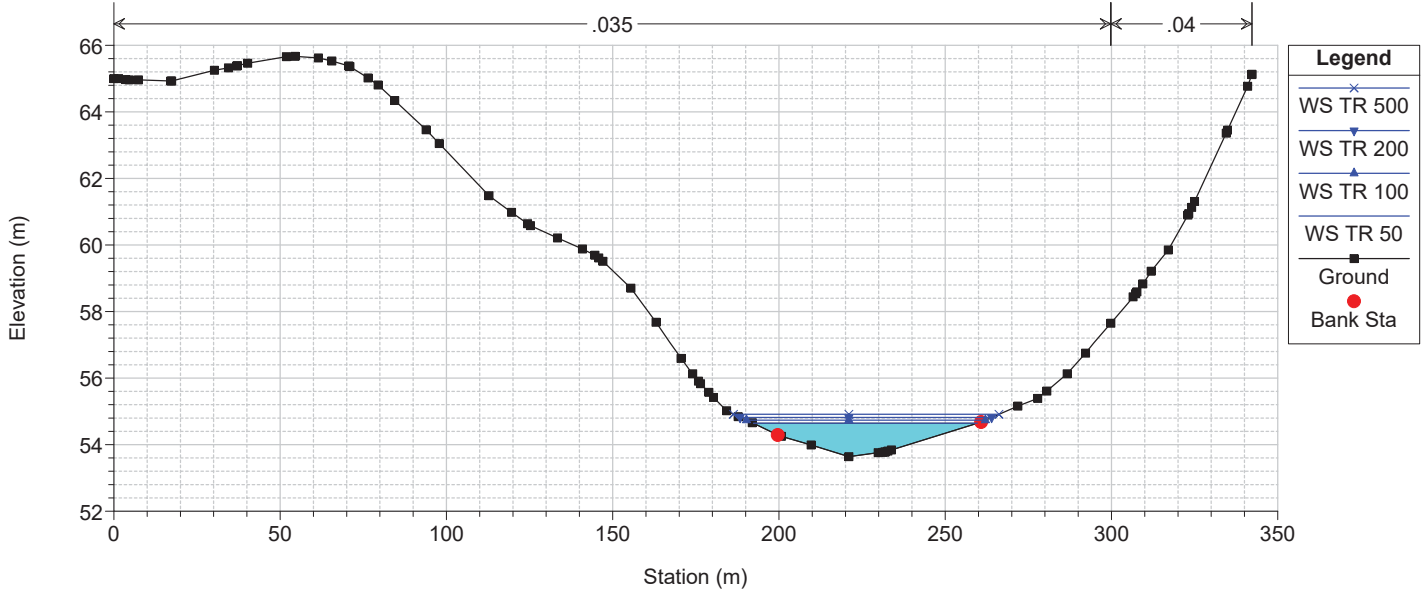
River = Riu_Correbuffas Reach = C32 RS = 3394.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

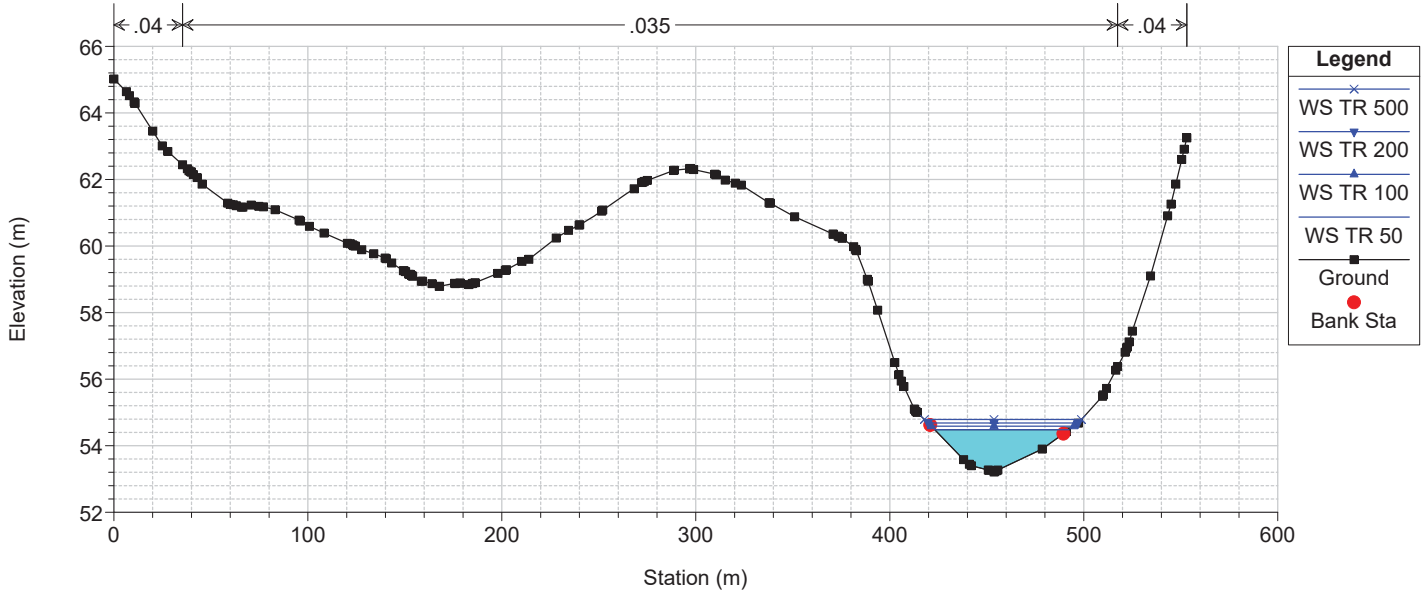
River = Riu_Correbuffas Reach = C32 RS = 3359.02 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

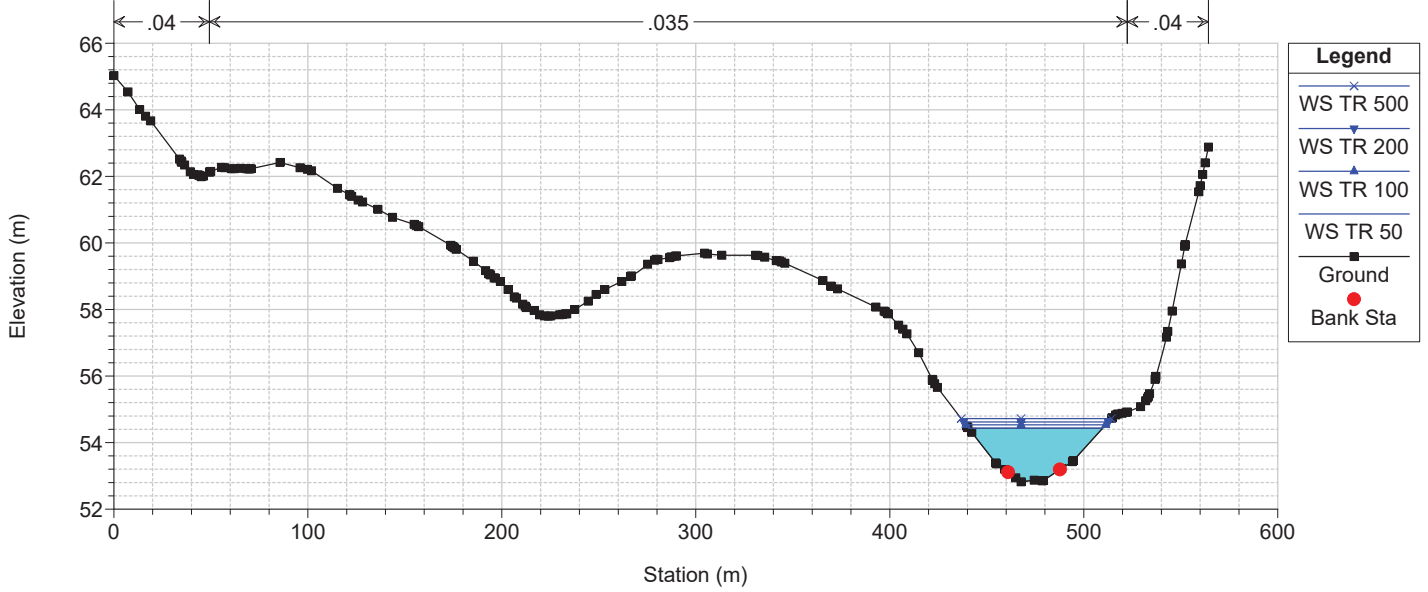
River = Riu_Correbuffas Reach = C32 RS = 3324.102 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

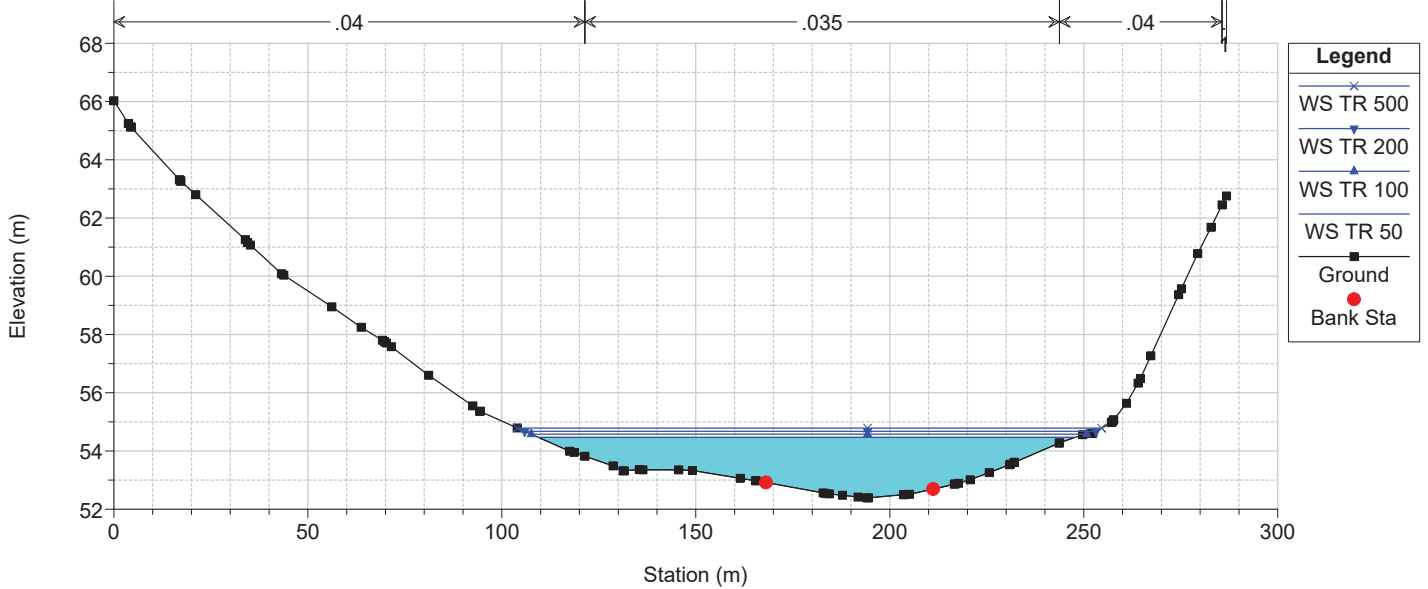
River = Riu_Correbuffas Reach = C32 RS = 3289.105 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

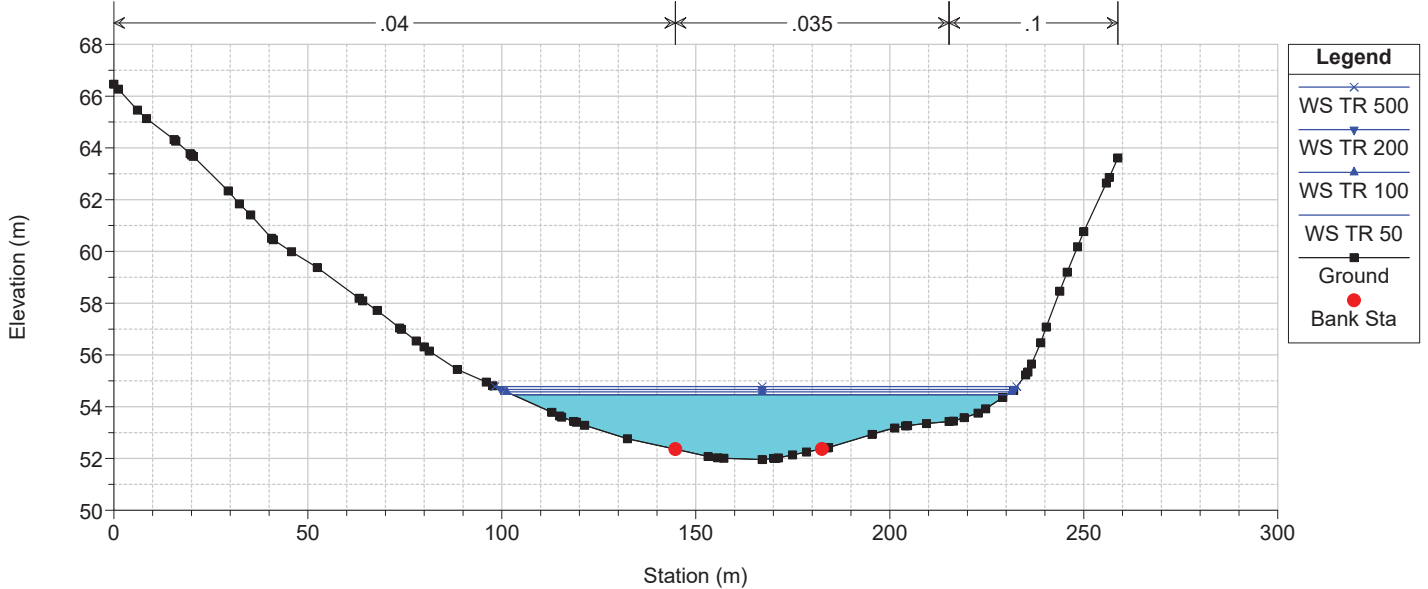
River = Riu_Correbuffas Reach = C32 RS = 3254.248 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

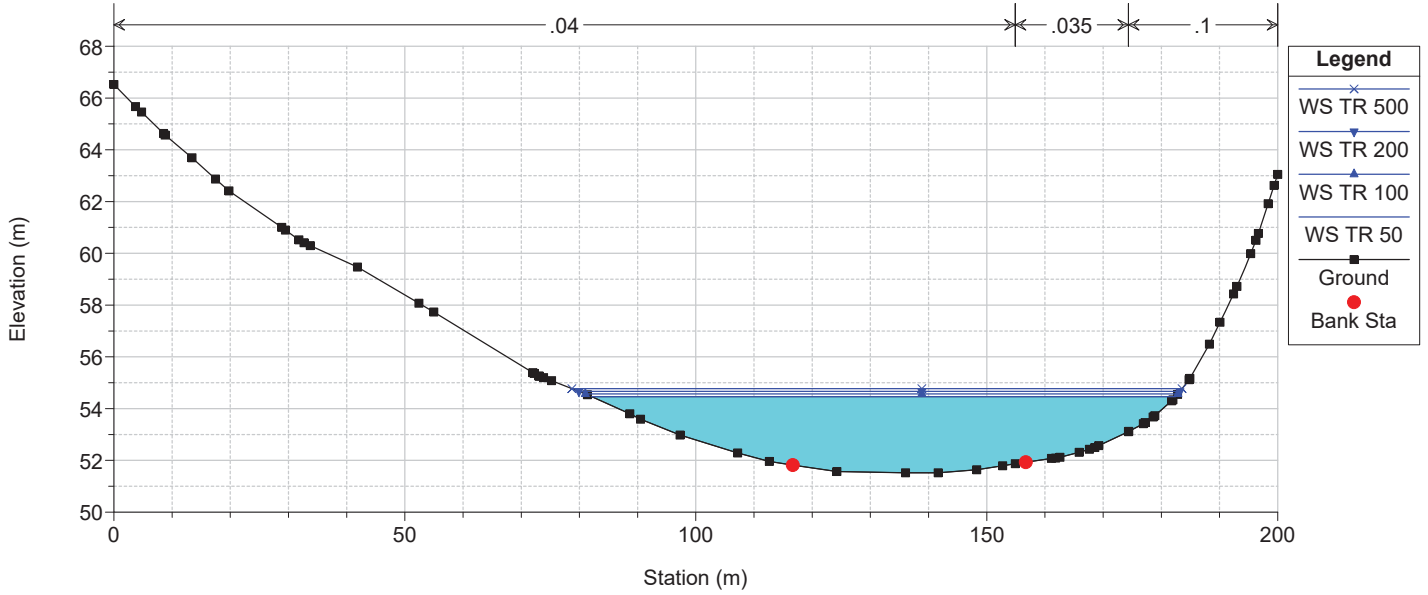
River = Riu_Correbuffas Reach = C32 RS = 3220.233 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

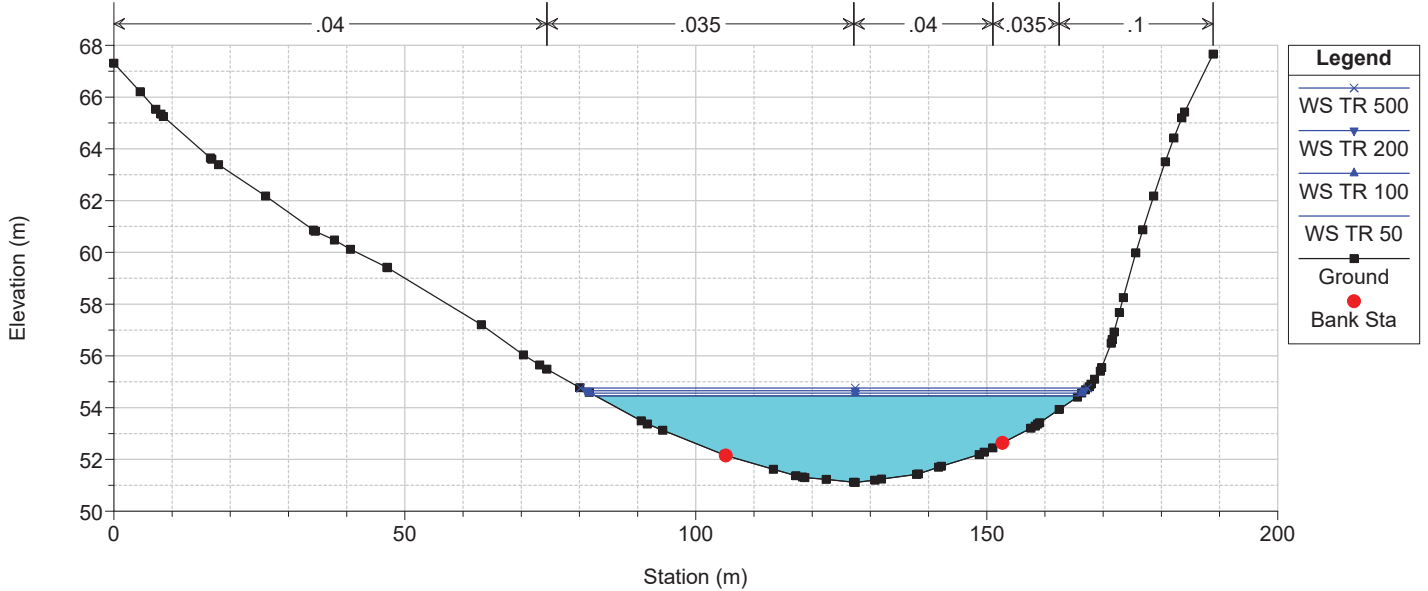
River = Riu_Correbuffas Reach = C32 RS = 3184.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

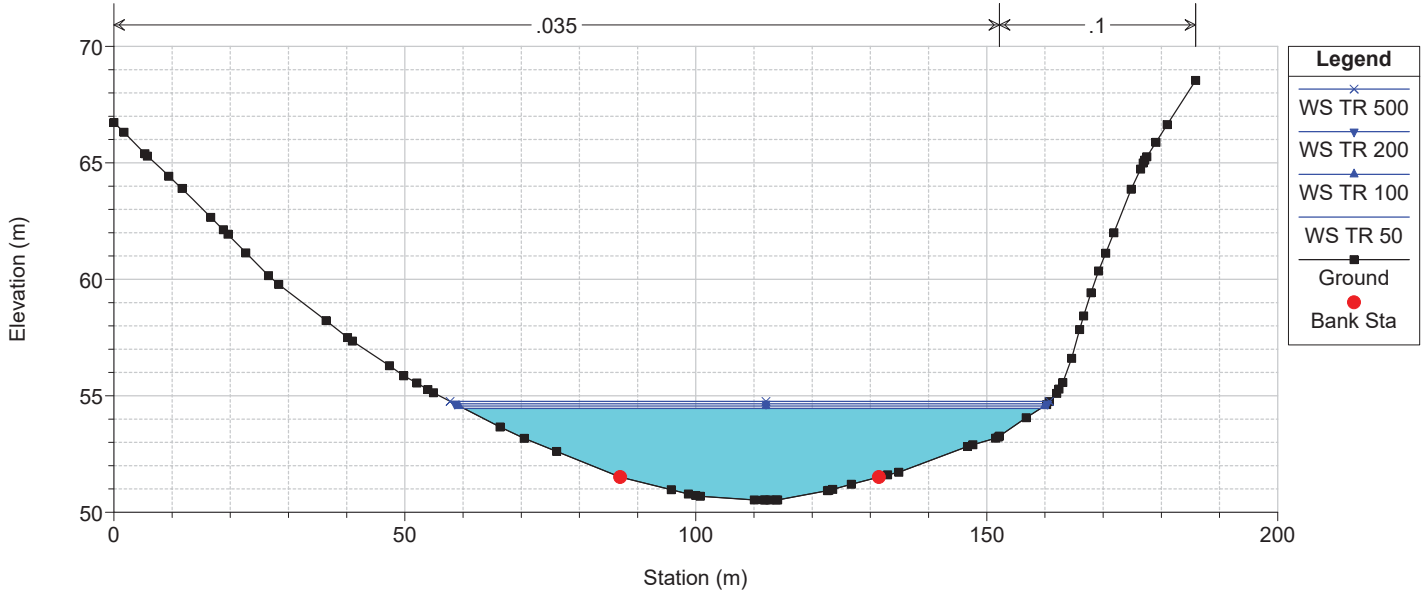
River = Riu_Correbuffas Reach = C32 RS = 3148.81 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

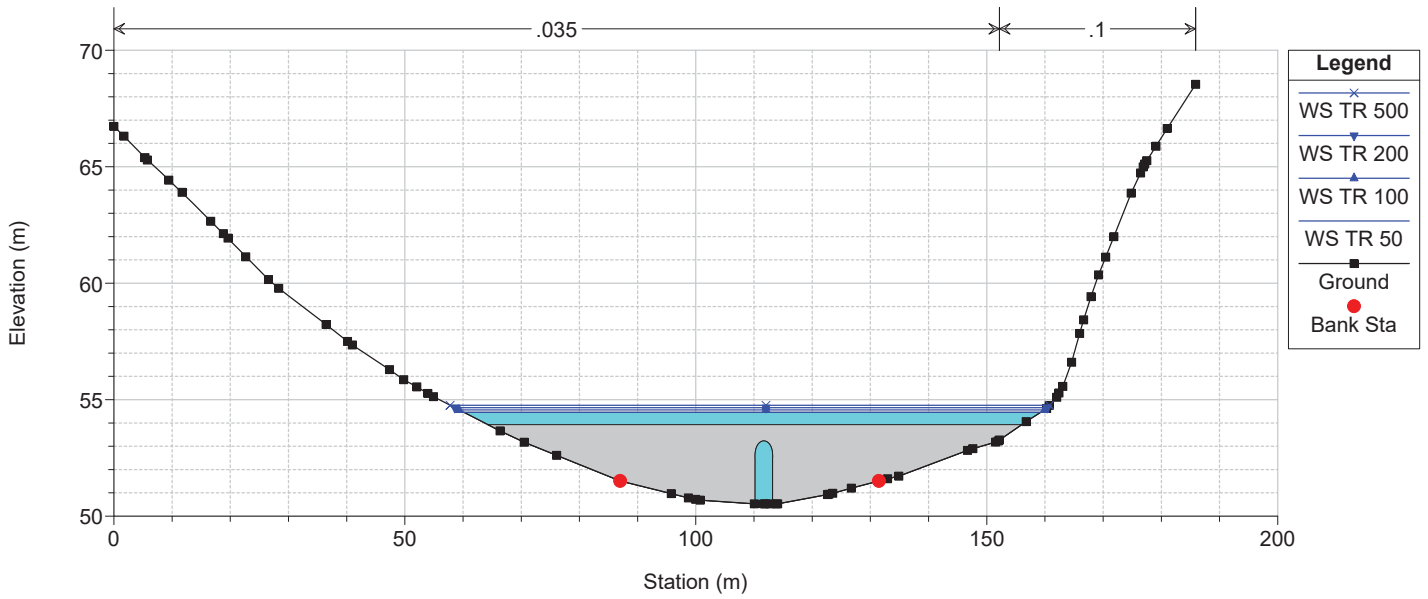
River = Riu_Correbuffas Reach = C32 RS = 3110.674 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

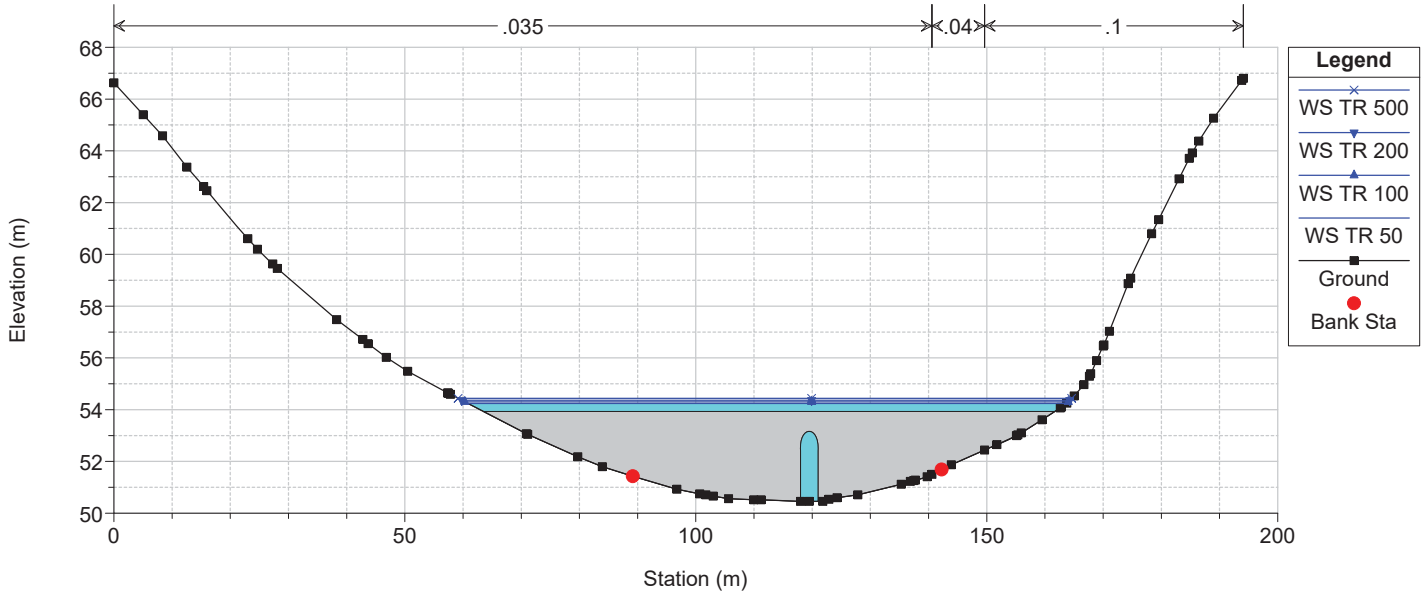
River = Riu_Correbuffas Reach = C32 RS = 3100.464 Culv C30 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

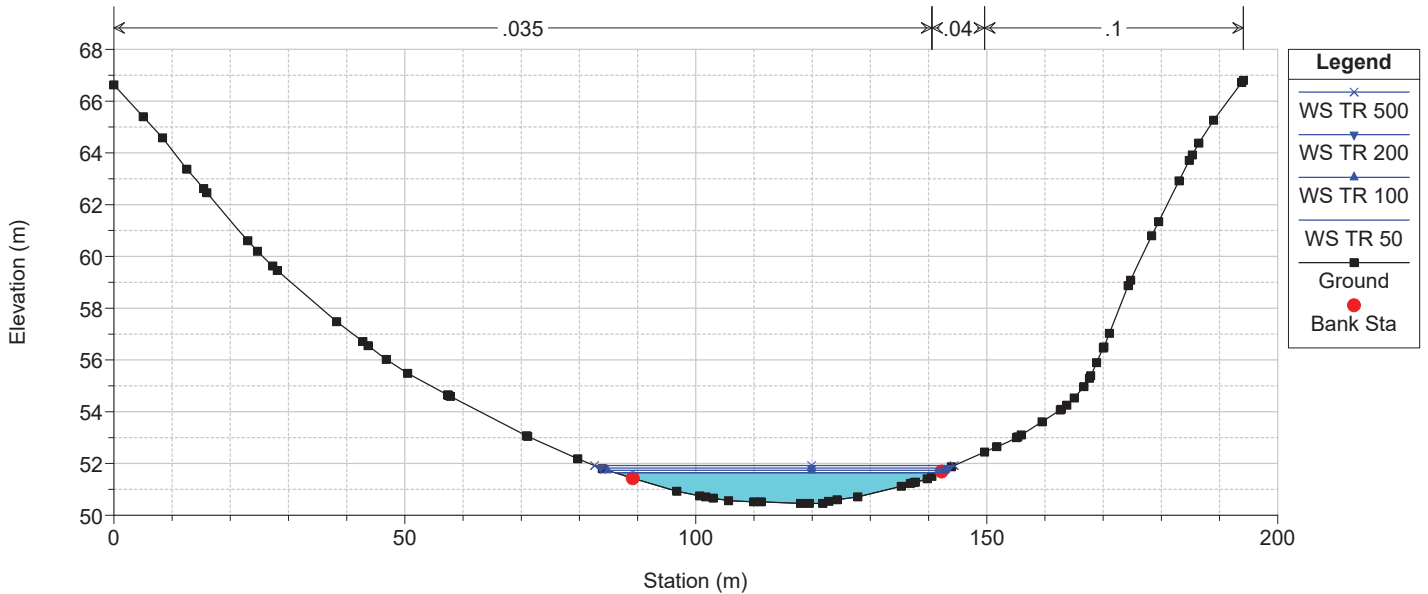
River = Riu_Correbuffas Reach = C32 RS = 3100.464 Culv C30 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

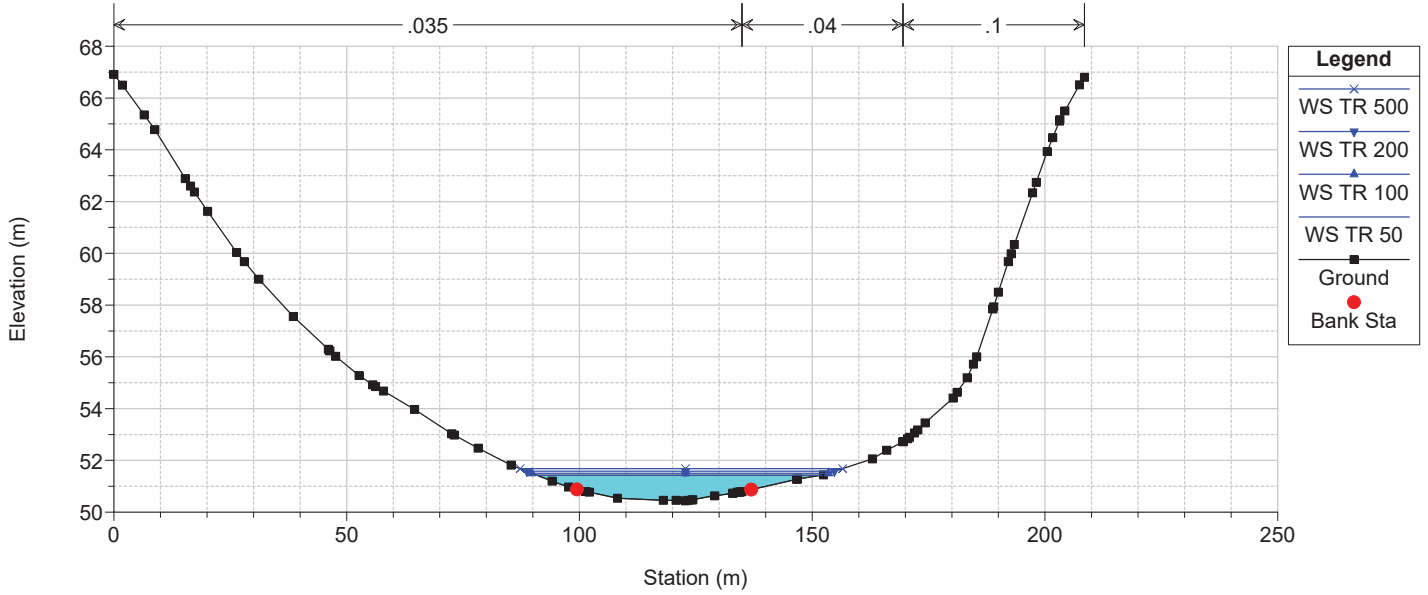
River = Riu_Correbuffas Reach = C32 RS = 3093.458 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

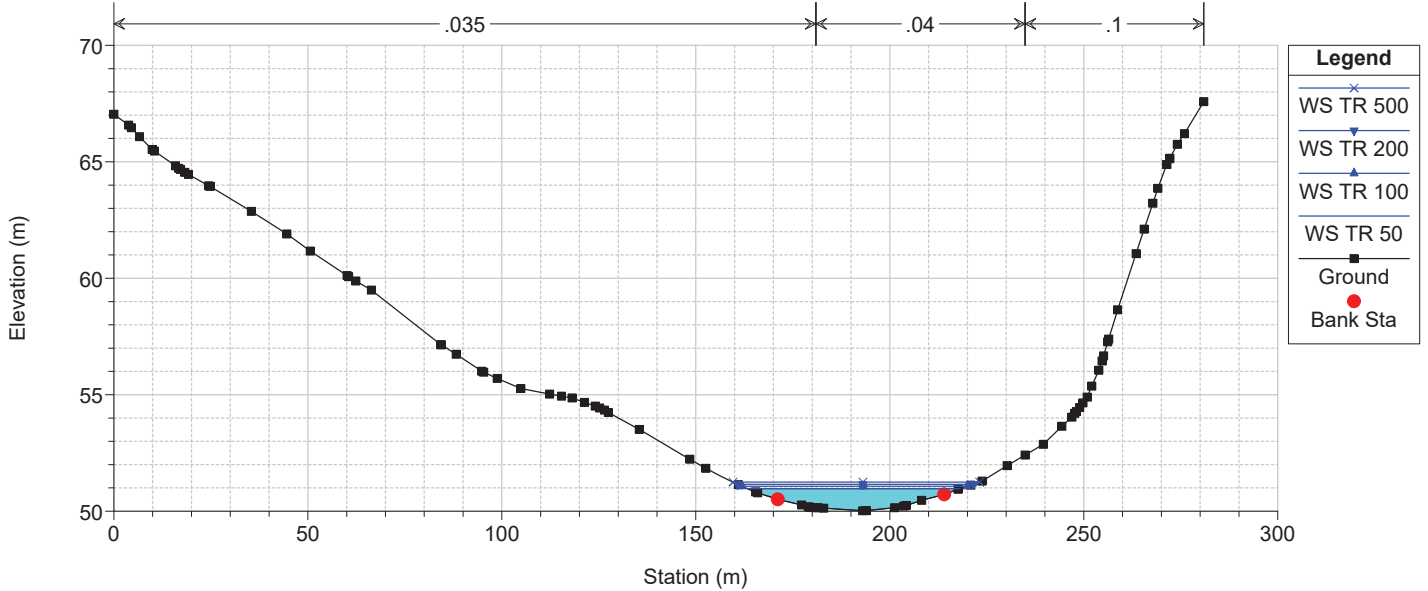
River = Riu_Correbuffas Reach = C32 RS = 3079.271 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

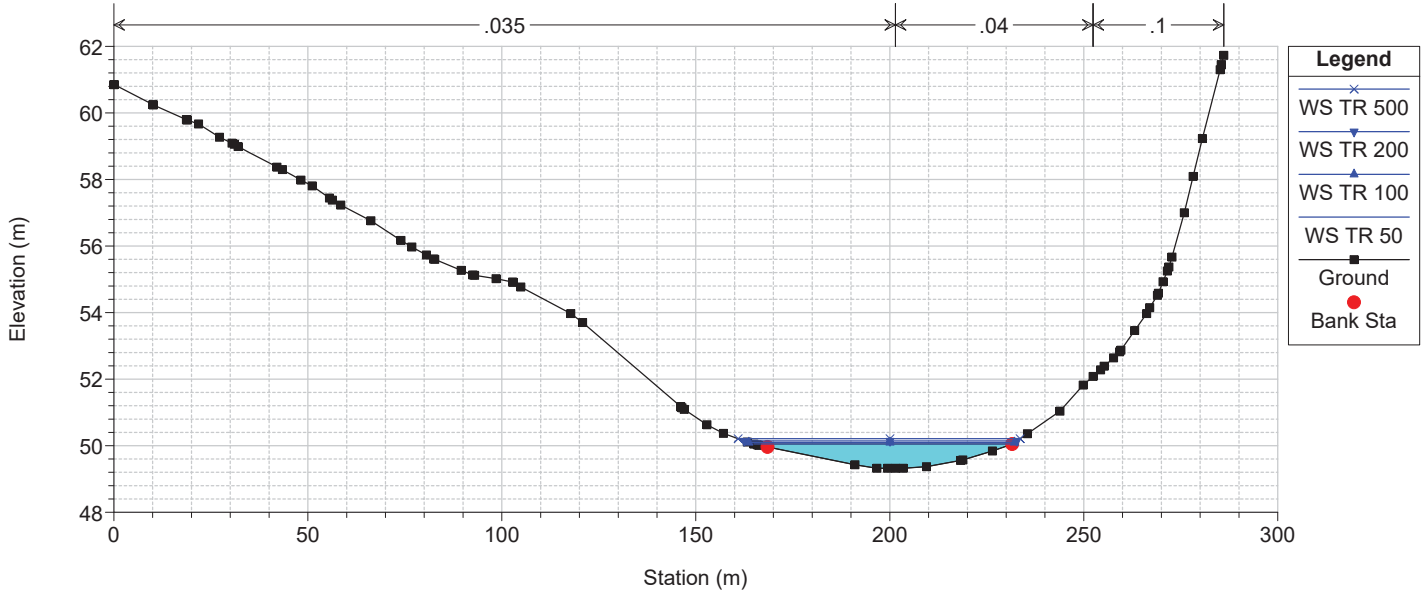
River = Riu_Correbuffas Reach = C32 RS = 3044.128 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

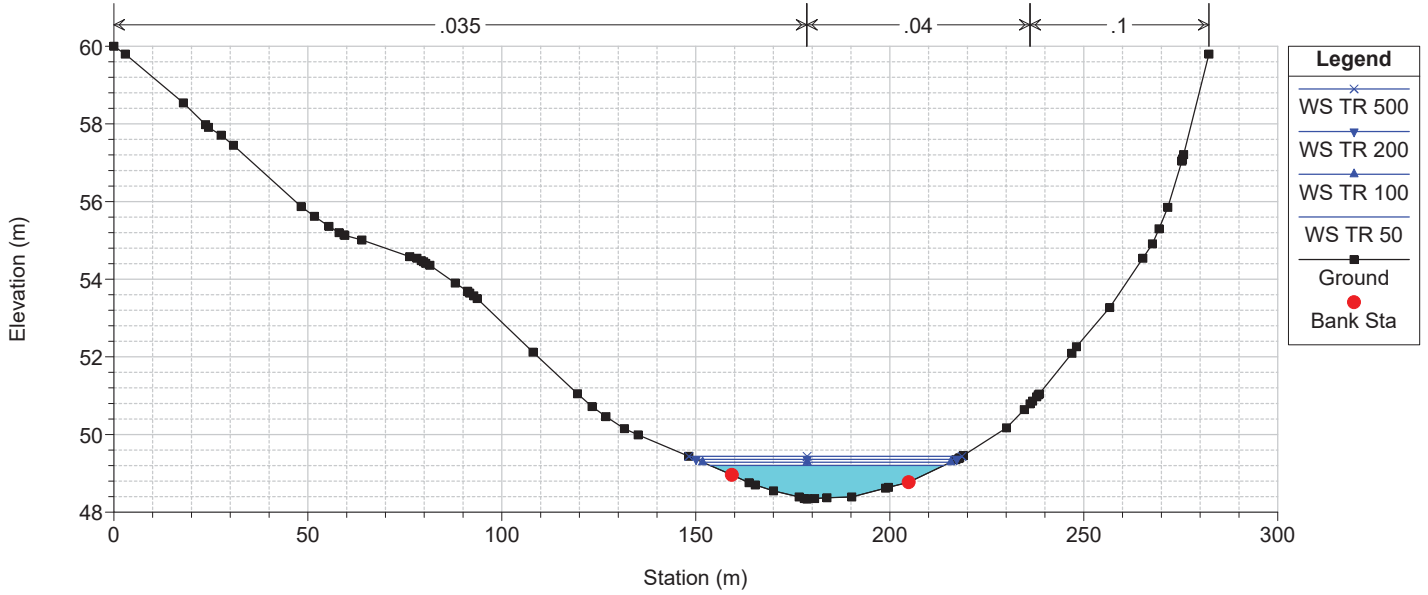
River = Riu_Correbuffas Reach = C32 RS = 3009.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

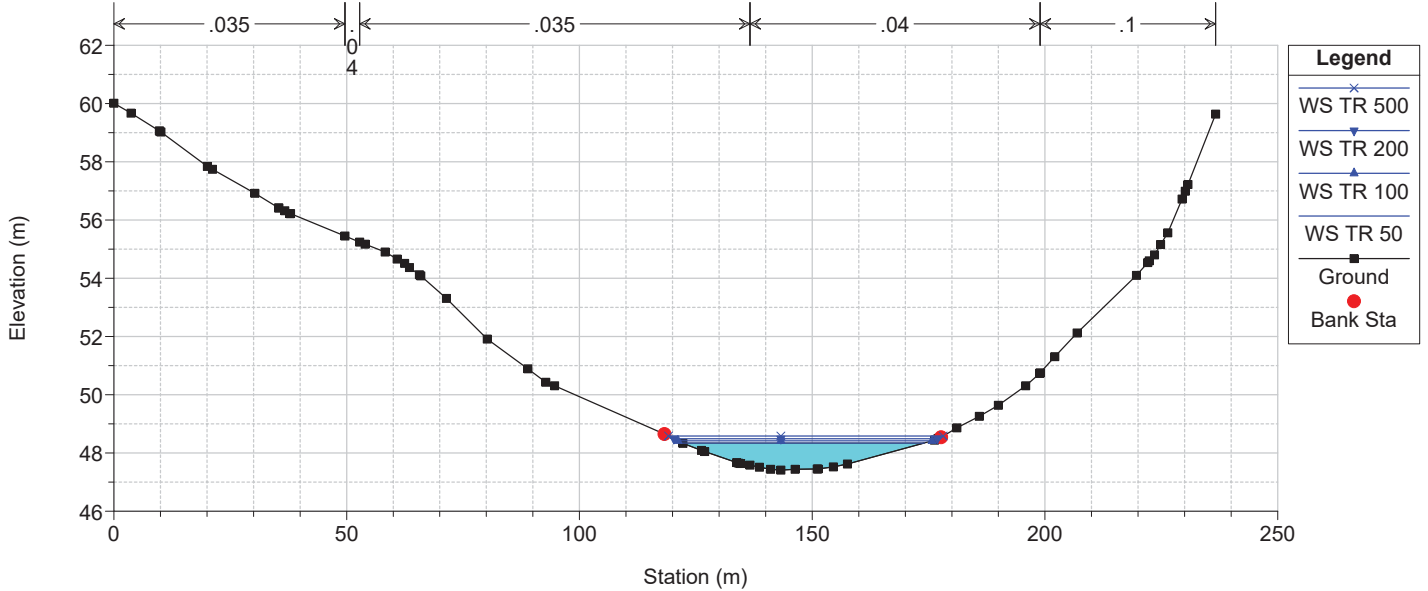
River = Riu_Correbuffas Reach = C32 RS = 2974.612 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

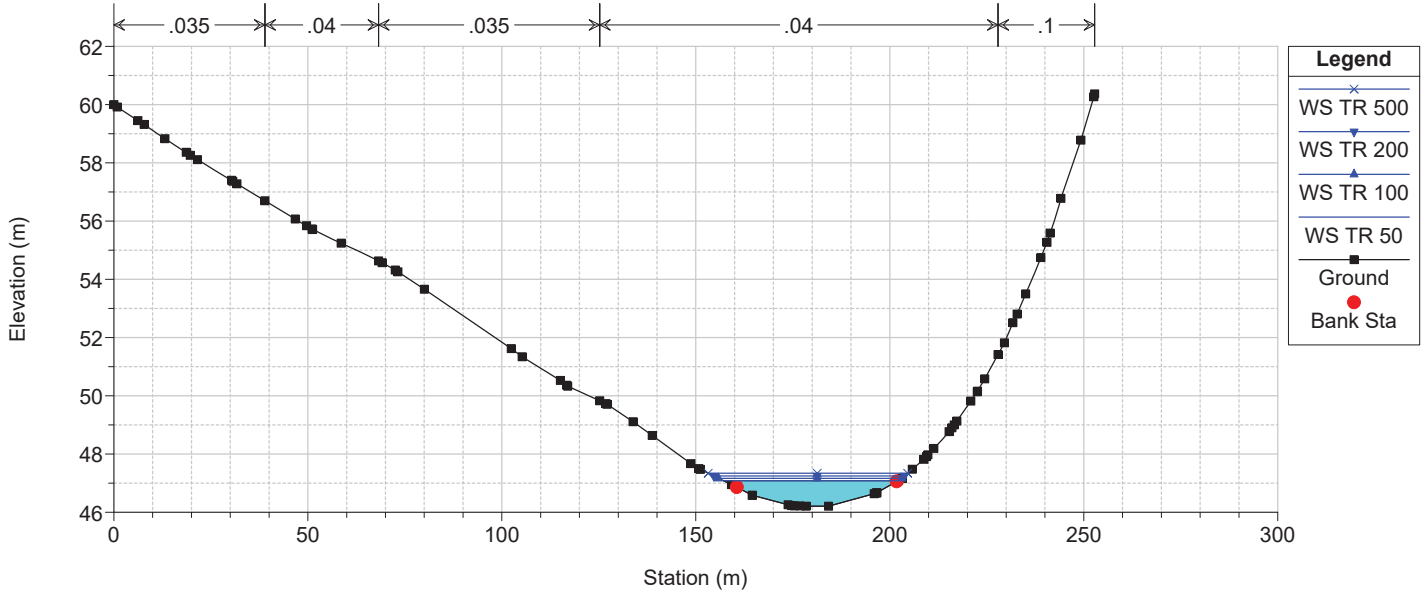
River = Riu_Correbuffas Reach = C32 RS = 2939.355 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

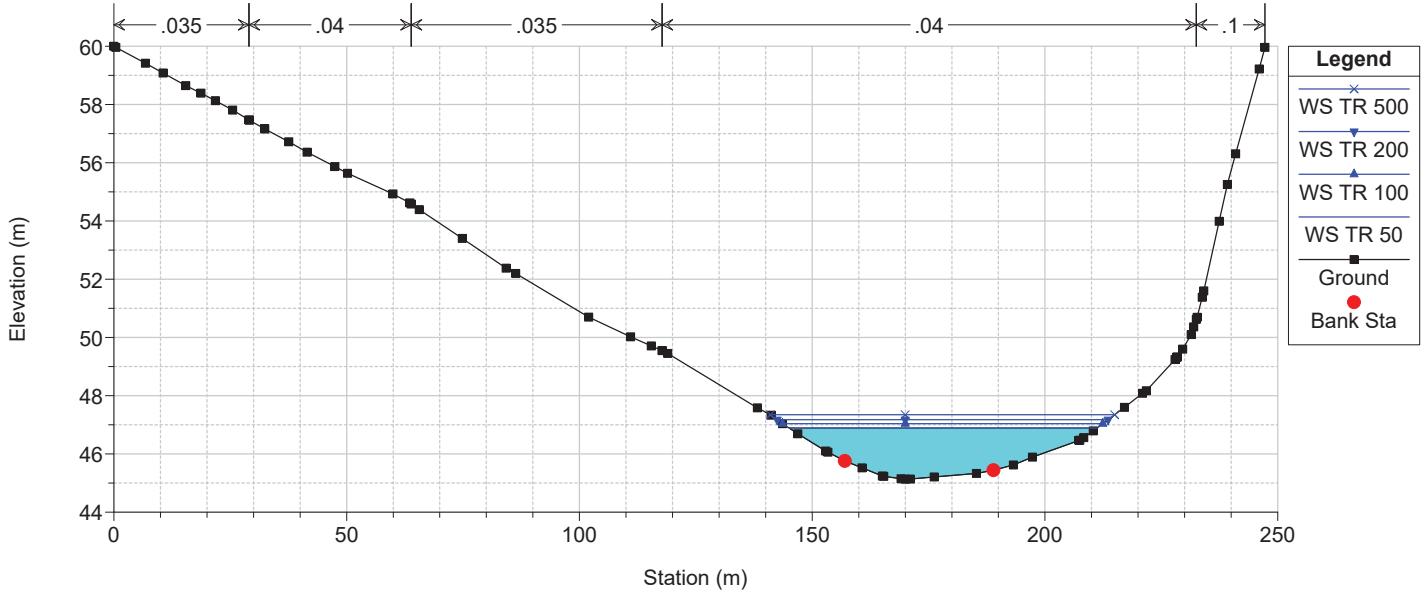
River = Riu_Correbuffas Reach = C32 RS = 2904.134 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

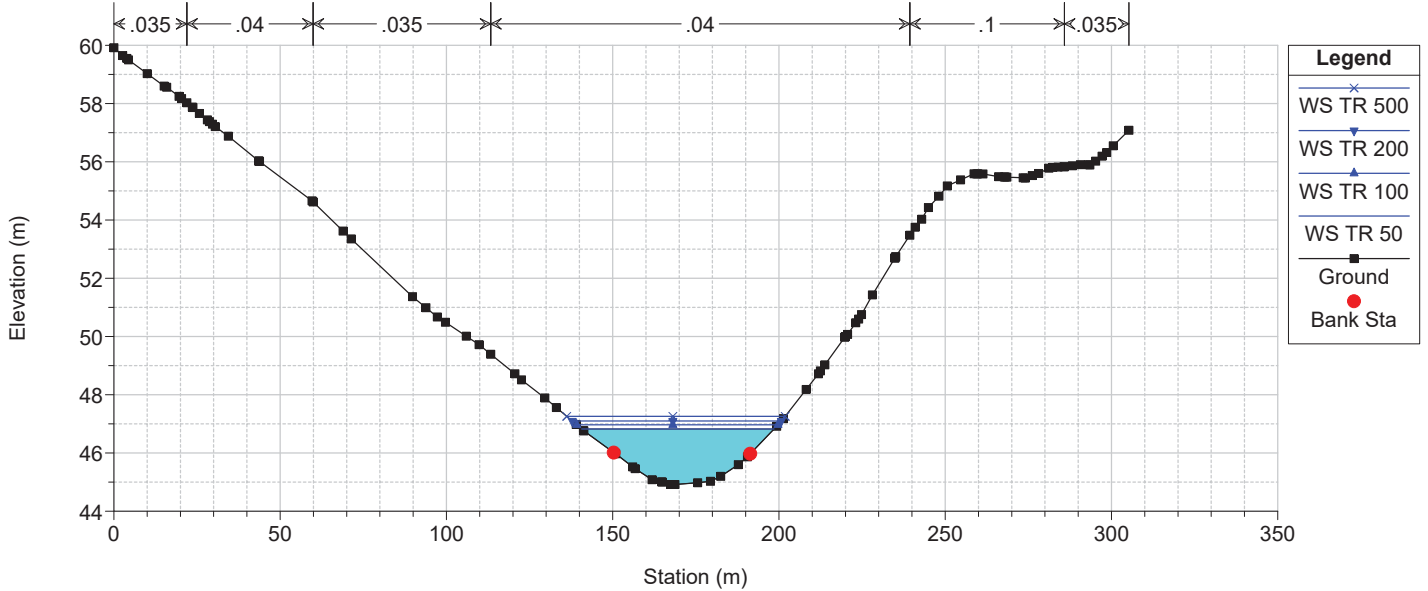
River = Riu_Correbuffas Reach = C32 RS = 2869.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

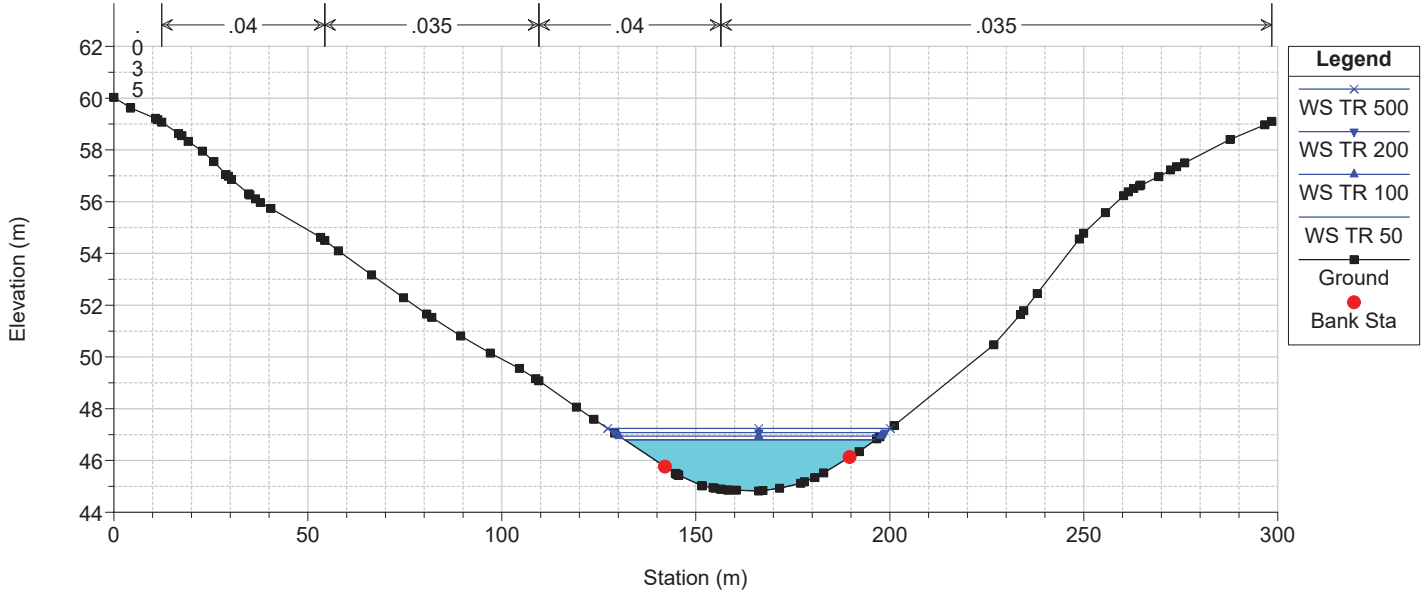
River = Riu_Correbuffas Reach = C32 RS = 2834.35 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

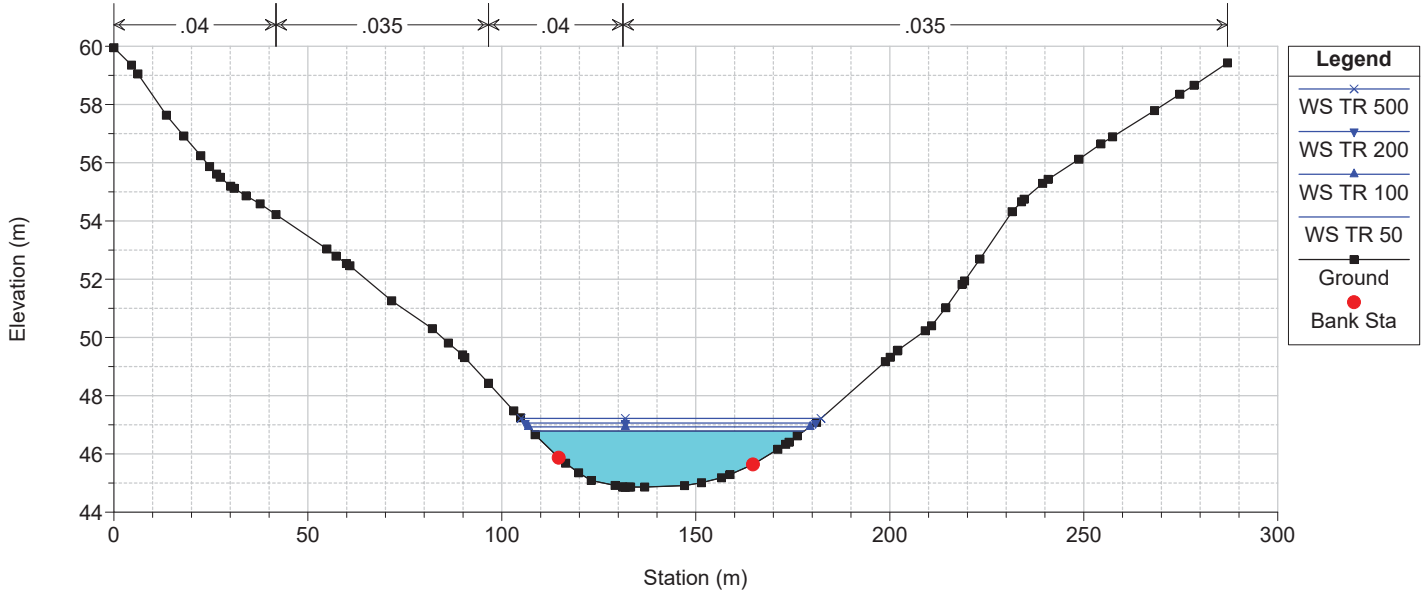
River = Riu_Correbuffas Reach = C32 RS = 2799.322 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

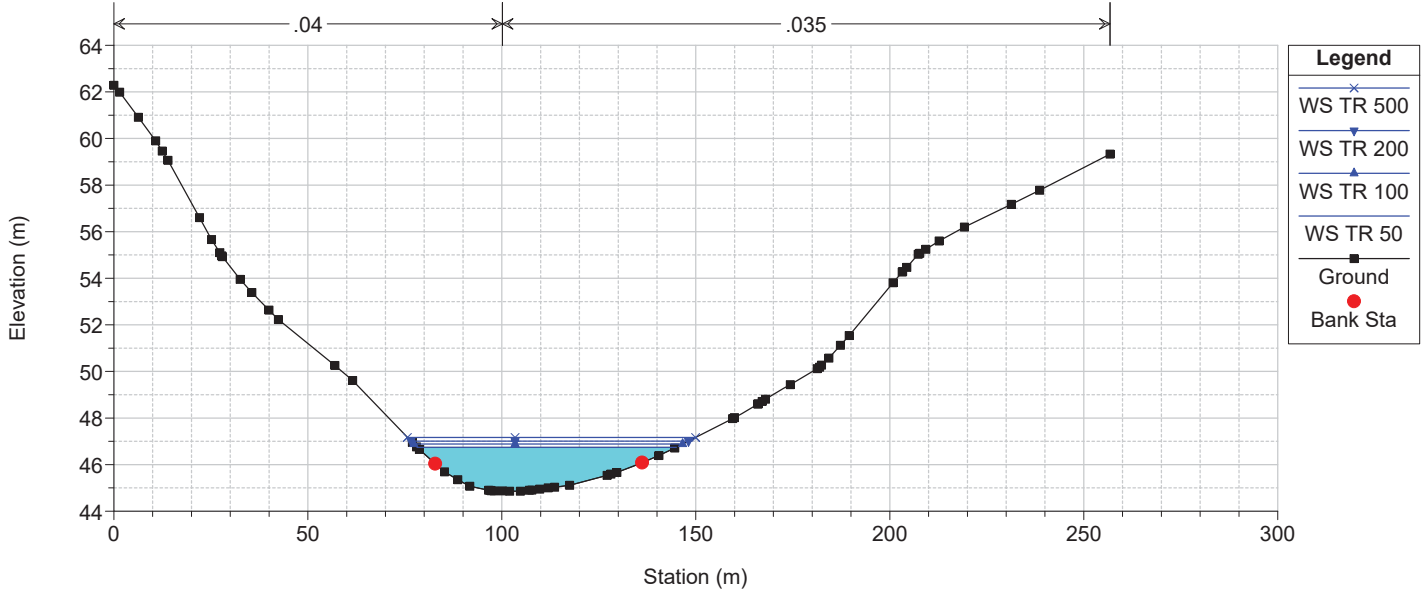
River = Riu_Correbuffas Reach = C32 RS = 2764.098 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

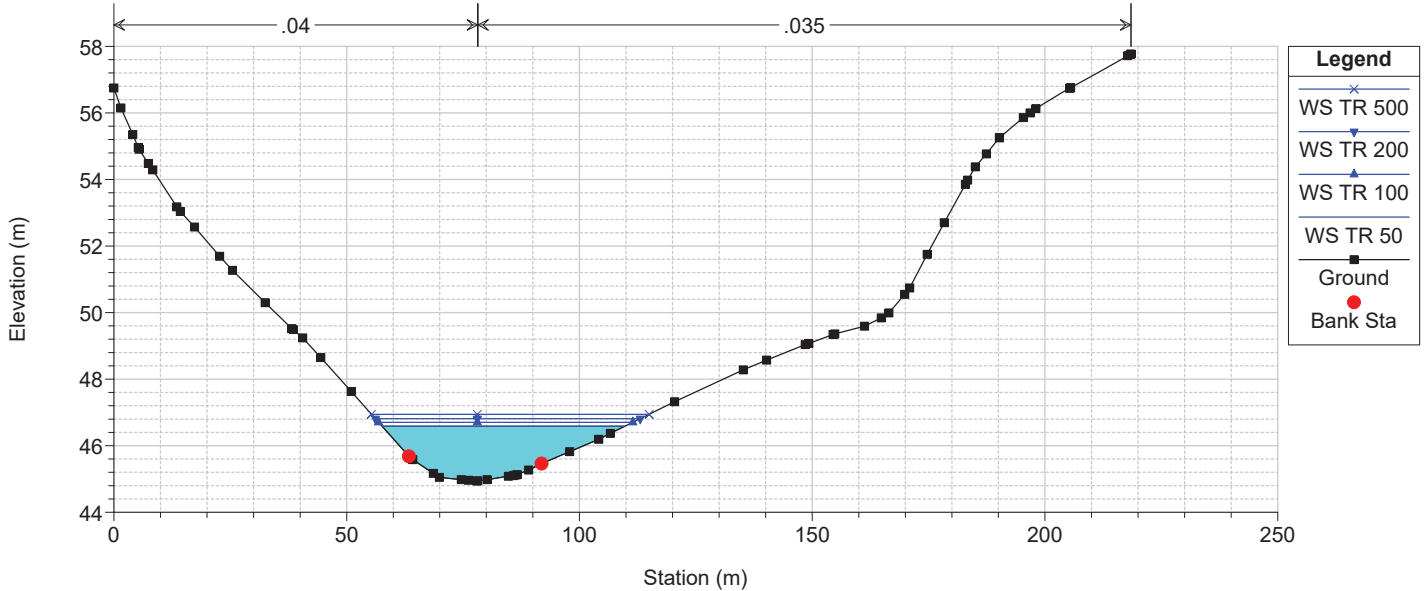
River = Riu_Correbuffas Reach = C32 RS = 2728.898 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

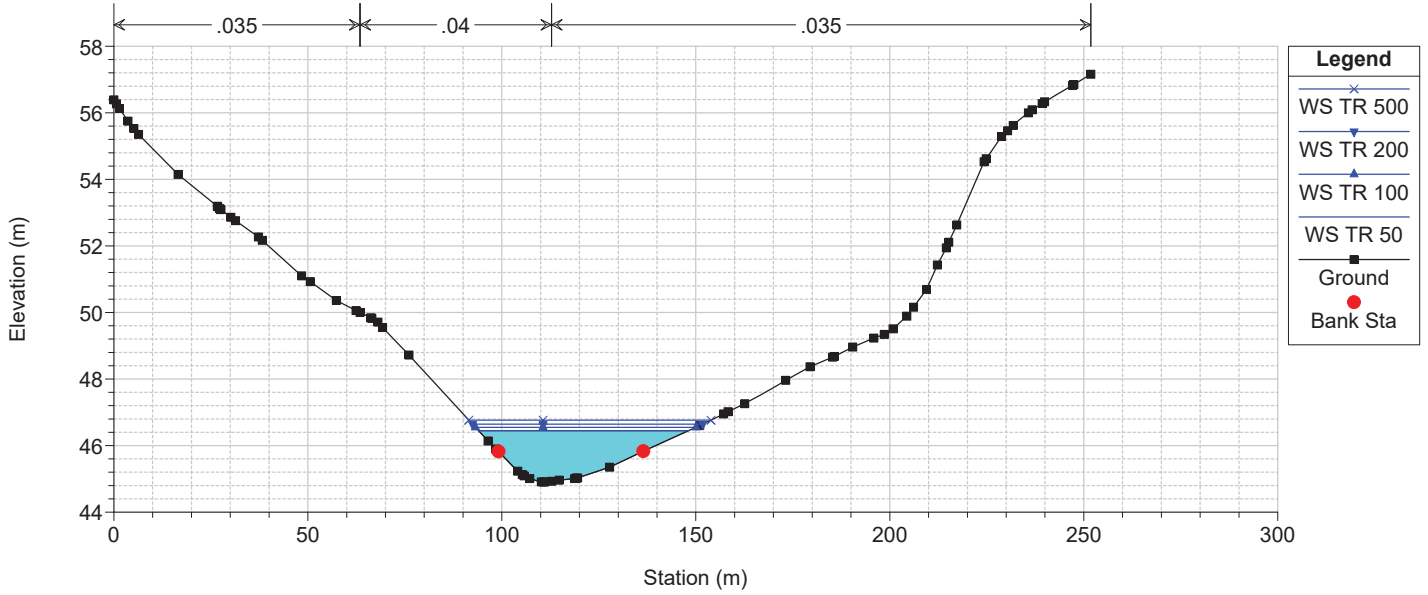
River = Riu_Correbuffas Reach = C32 RS = 2694.308 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

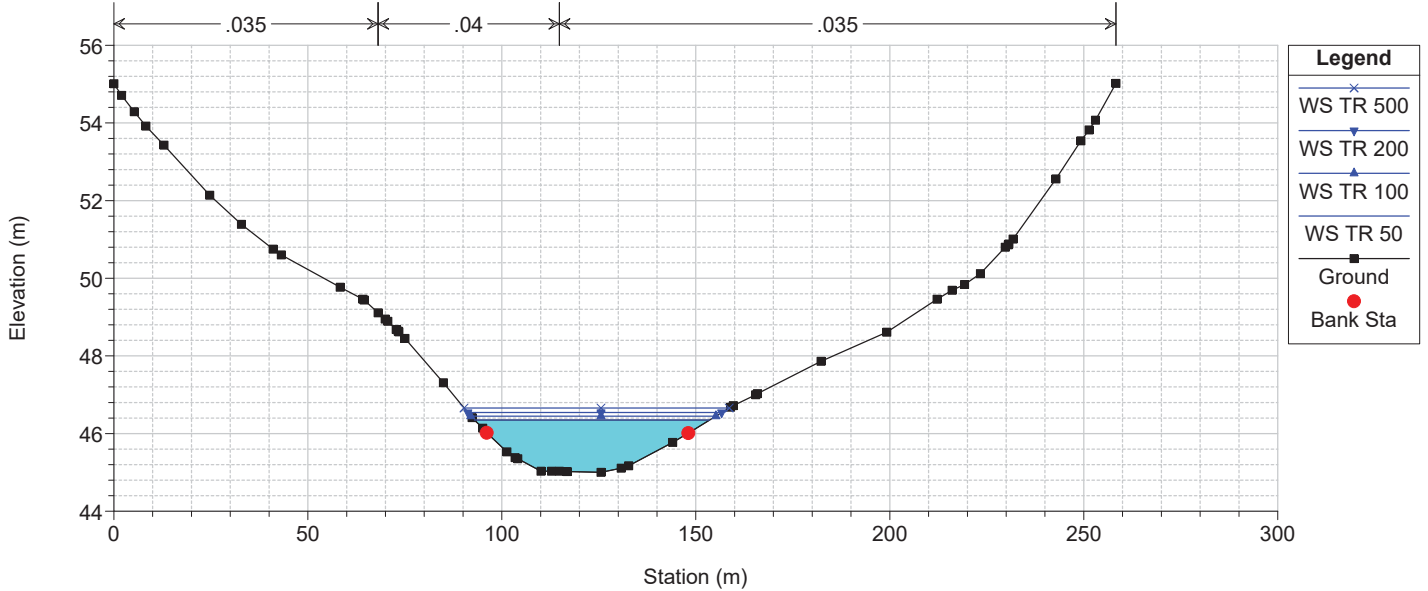
River = Riu_Correbuffas Reach = C32 RS = 2659.099 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

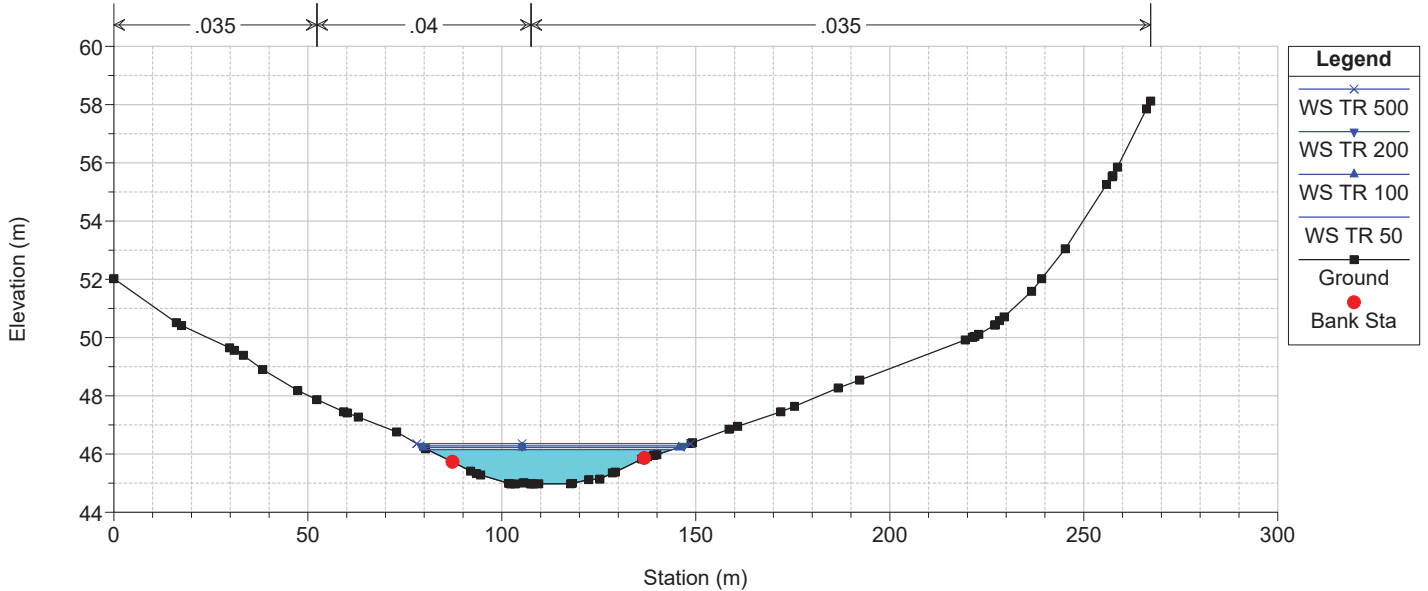
River = Riu_Correbuffas Reach = C32 RS = 2624.461 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

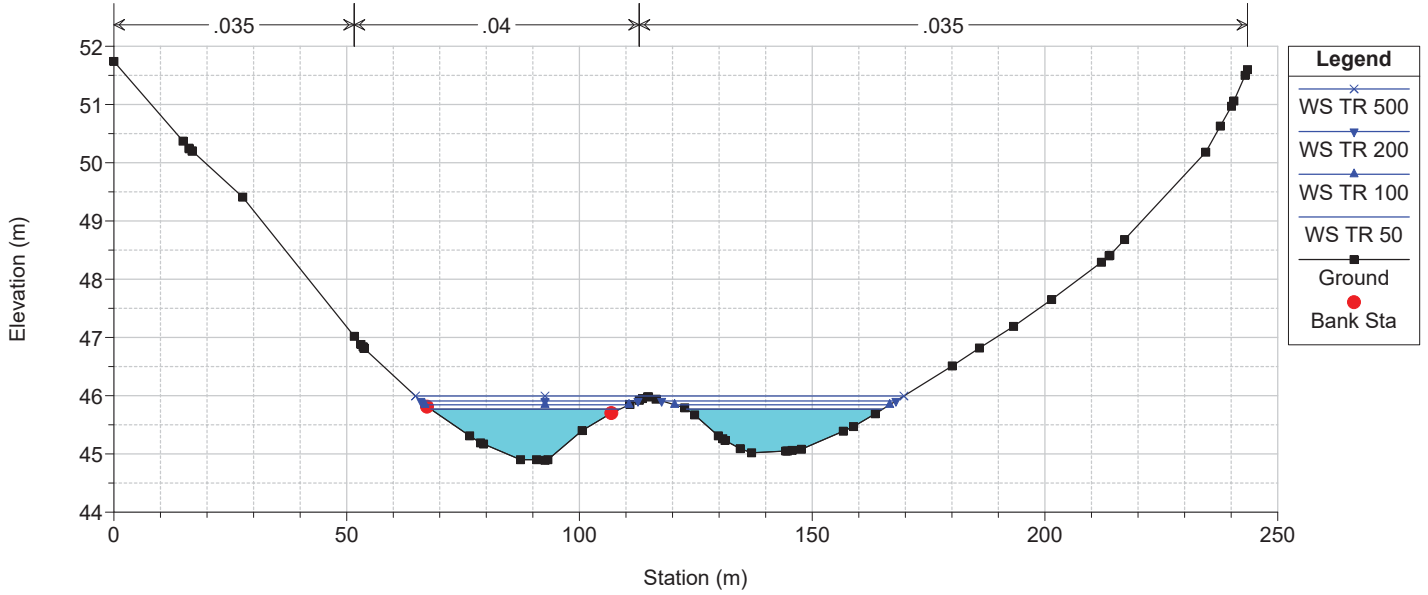
River = Riu_Correbuffas Reach = C32 RS = 2589.334 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

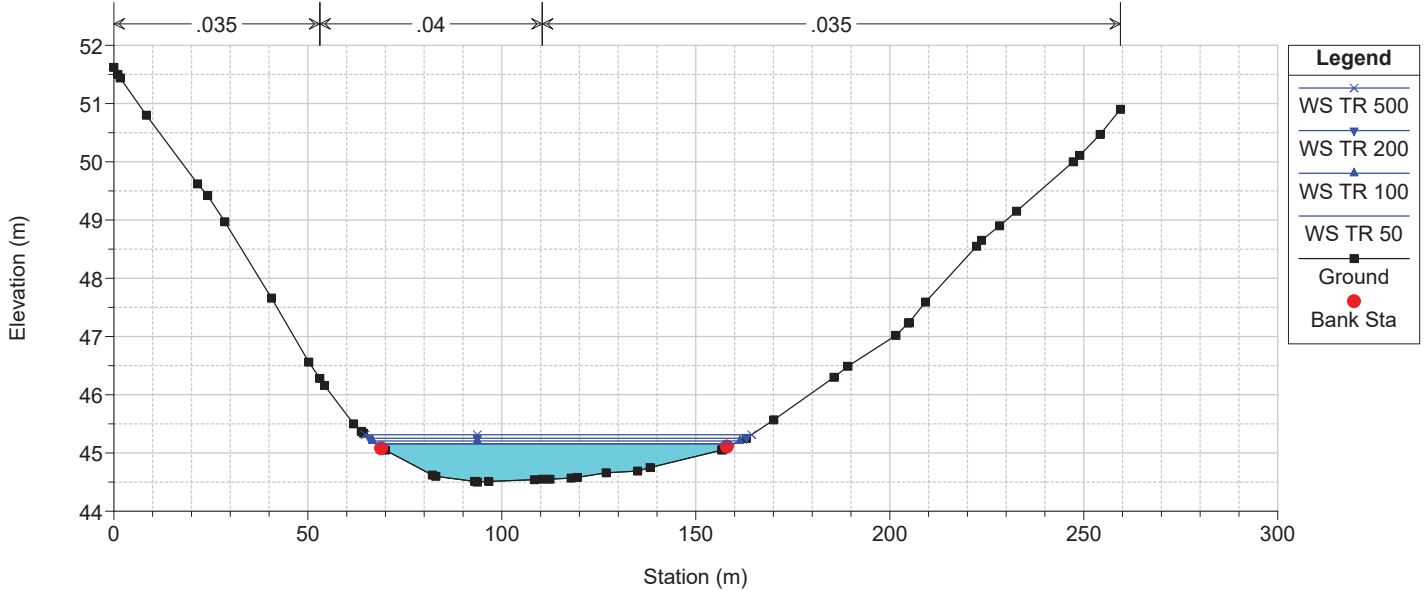
River = Riu_Correbuffas Reach = C32 RS = 2554.088 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

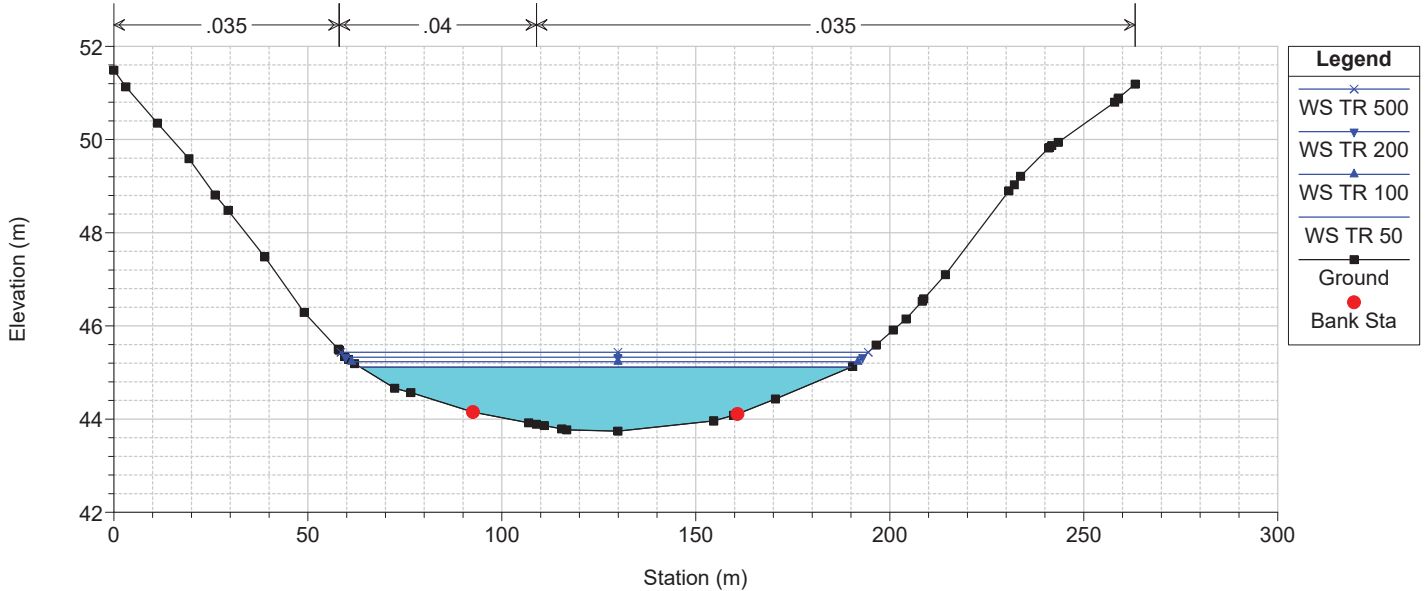
River = Riu_Correbuffas Reach = C32 RS = 2519.592 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

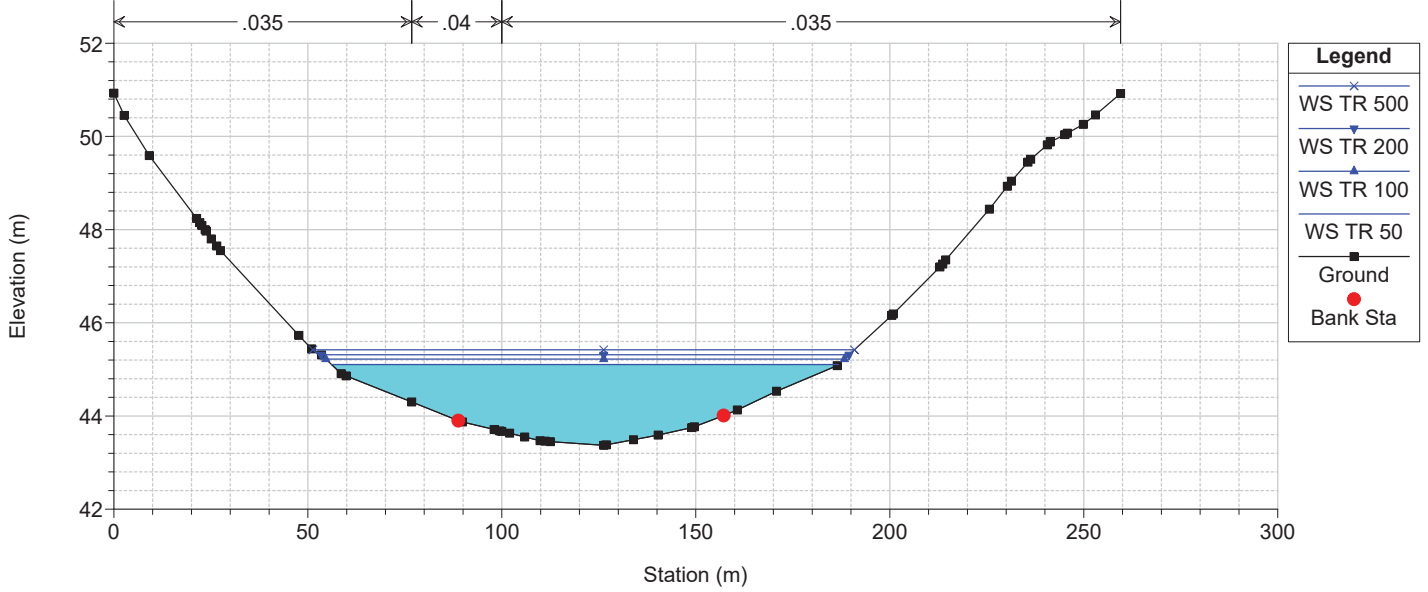
River = Riu_Correbuffas Reach = C32 RS = 2484.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

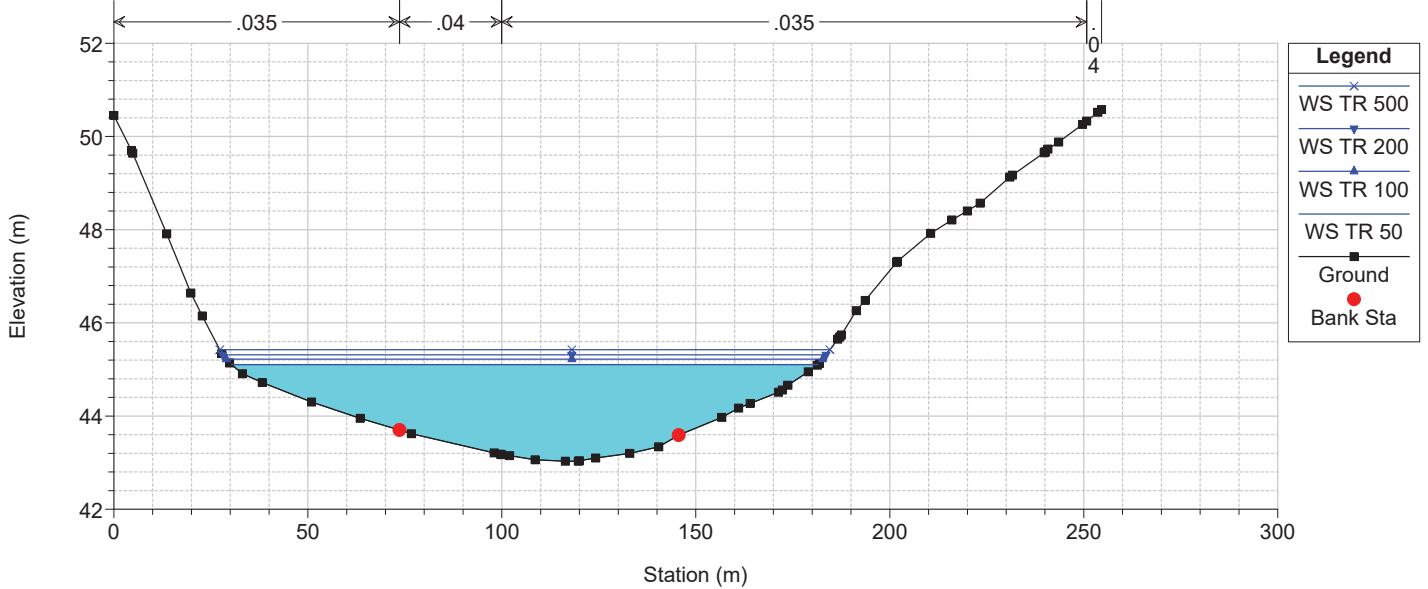
River = Riu_Correbuffas Reach = C32 RS = 2449.013 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

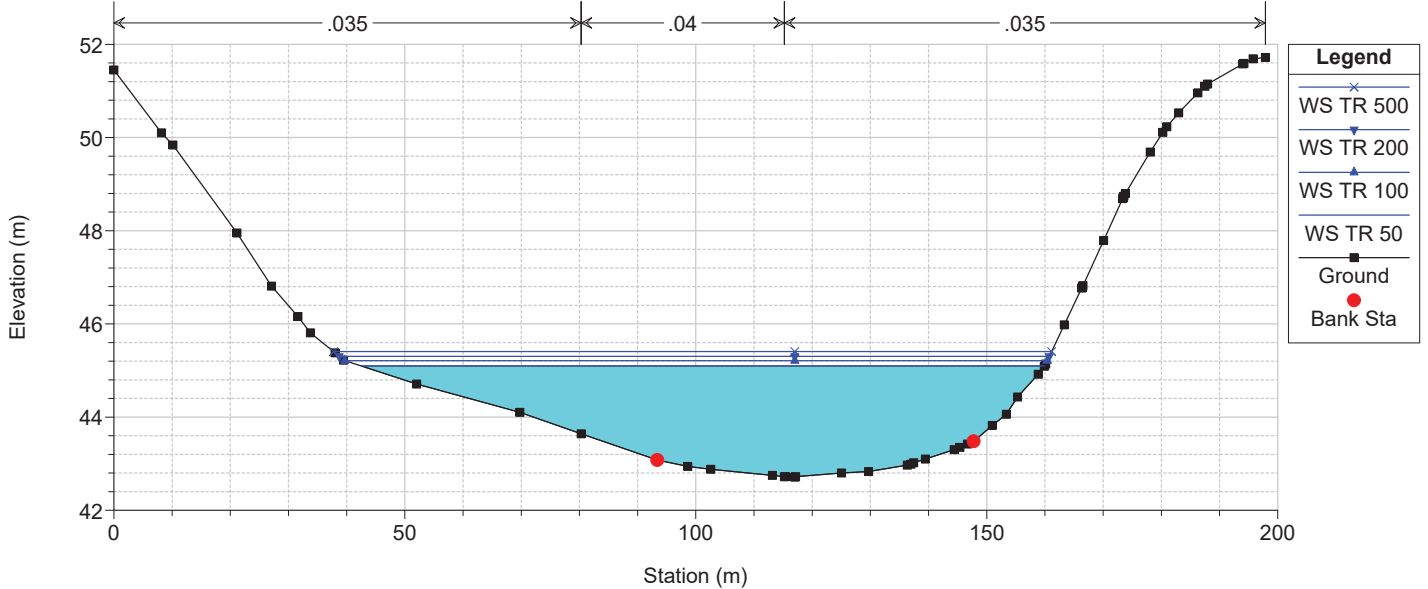
River = Riu_Correbuffas Reach = C32 RS = 2414.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

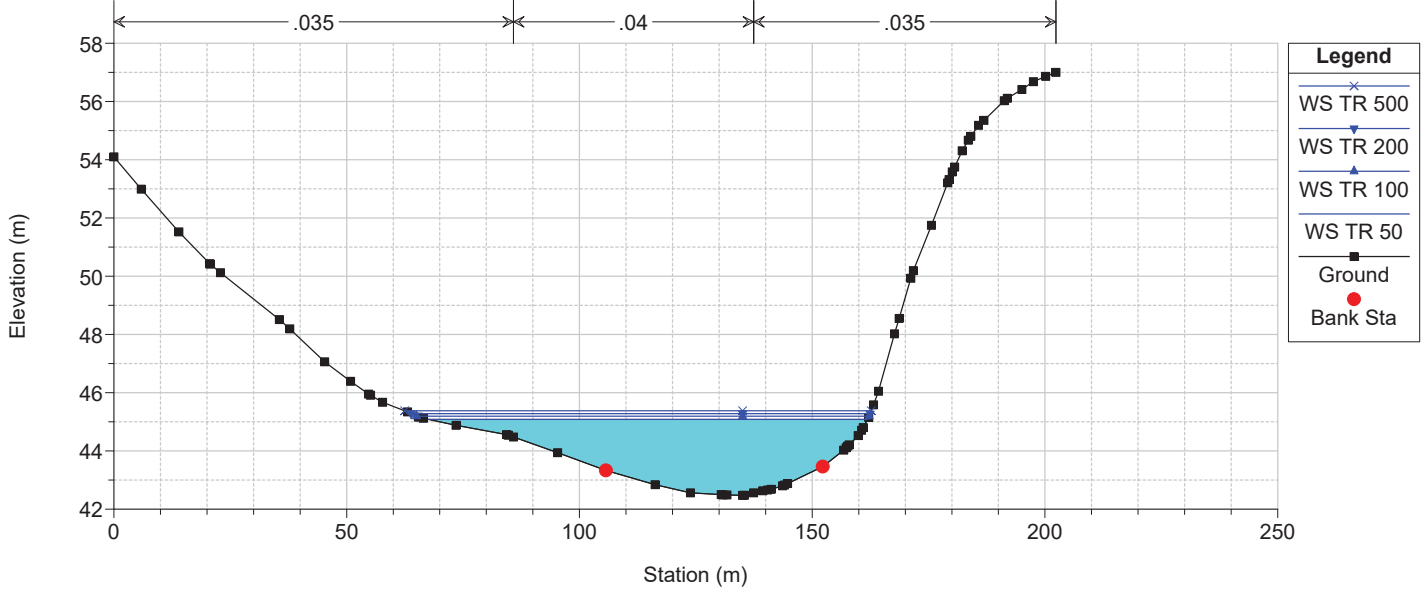
River = Riu_Correbuffas Reach = C32 RS = 2379.022 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

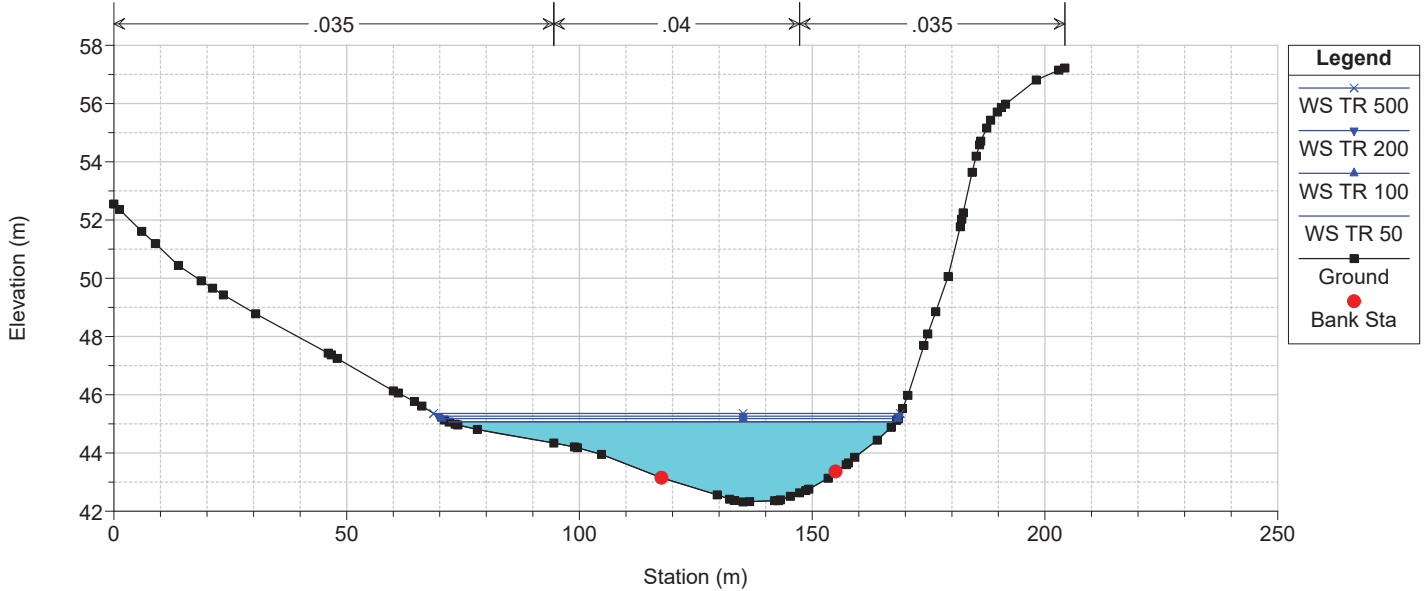
River = Riu_Correbuffas Reach = C32 RS = 2344.614 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

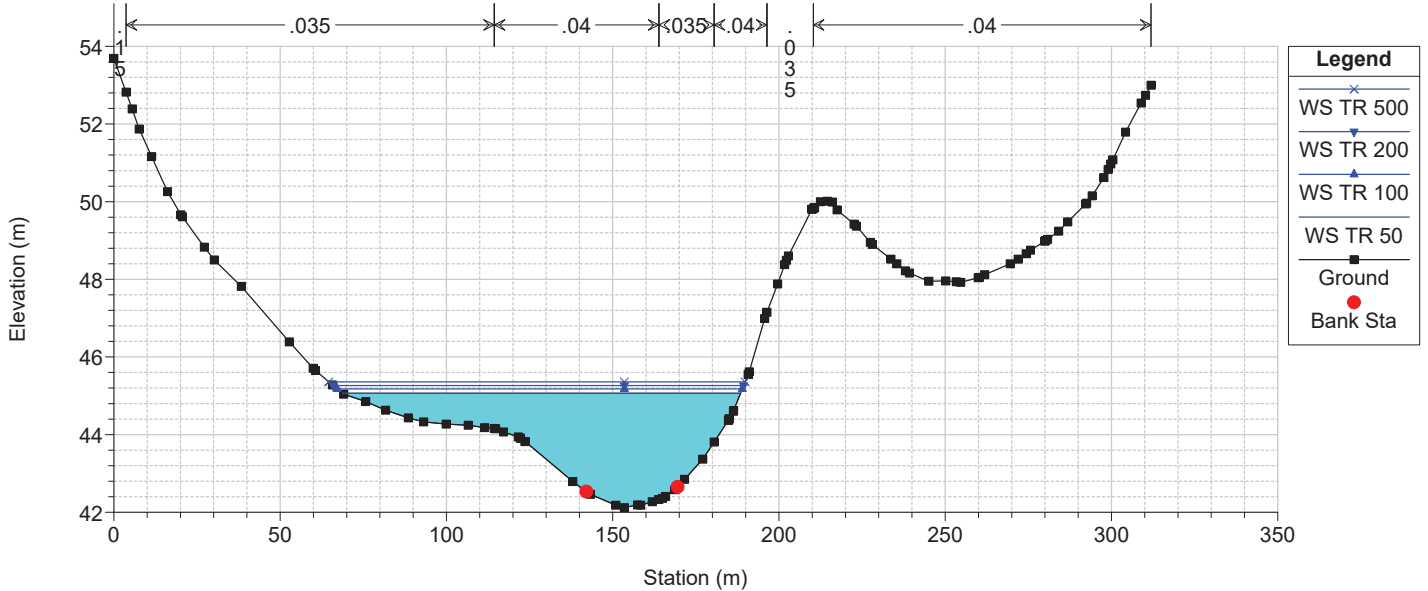
River = Riu_Correbuffas Reach = C32 RS = 2309.362 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

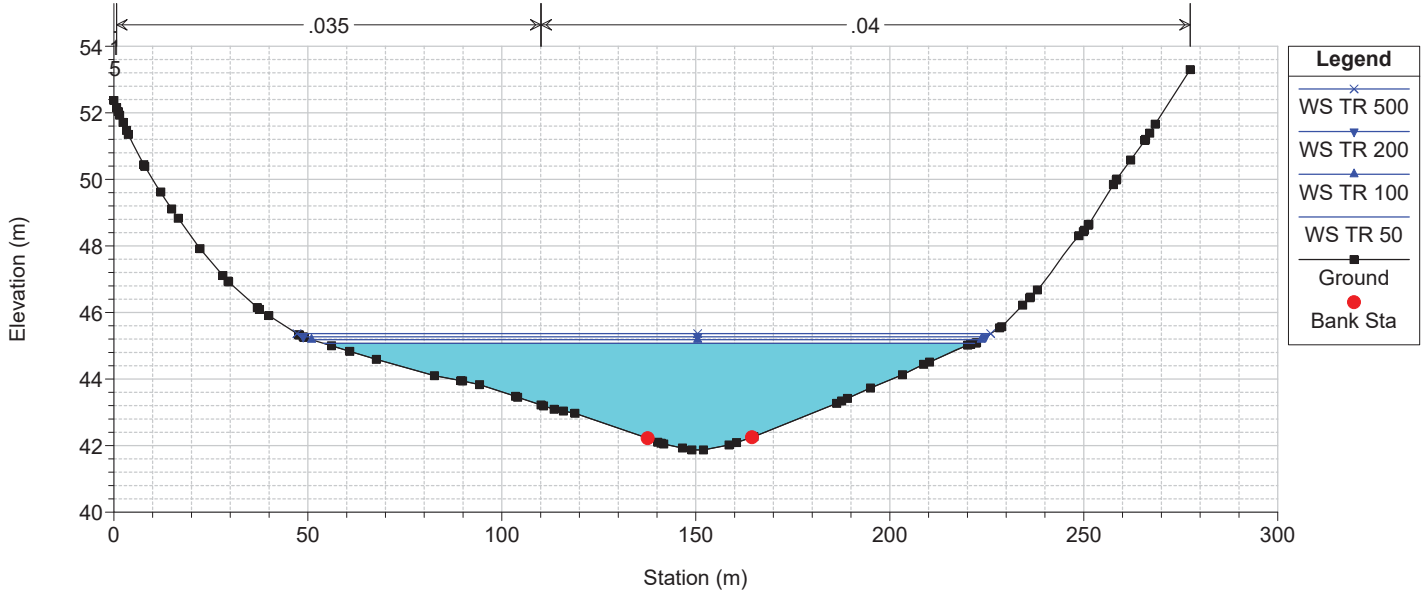
River = Riu_Correbuffas Reach = C32 RS = 2274.081 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

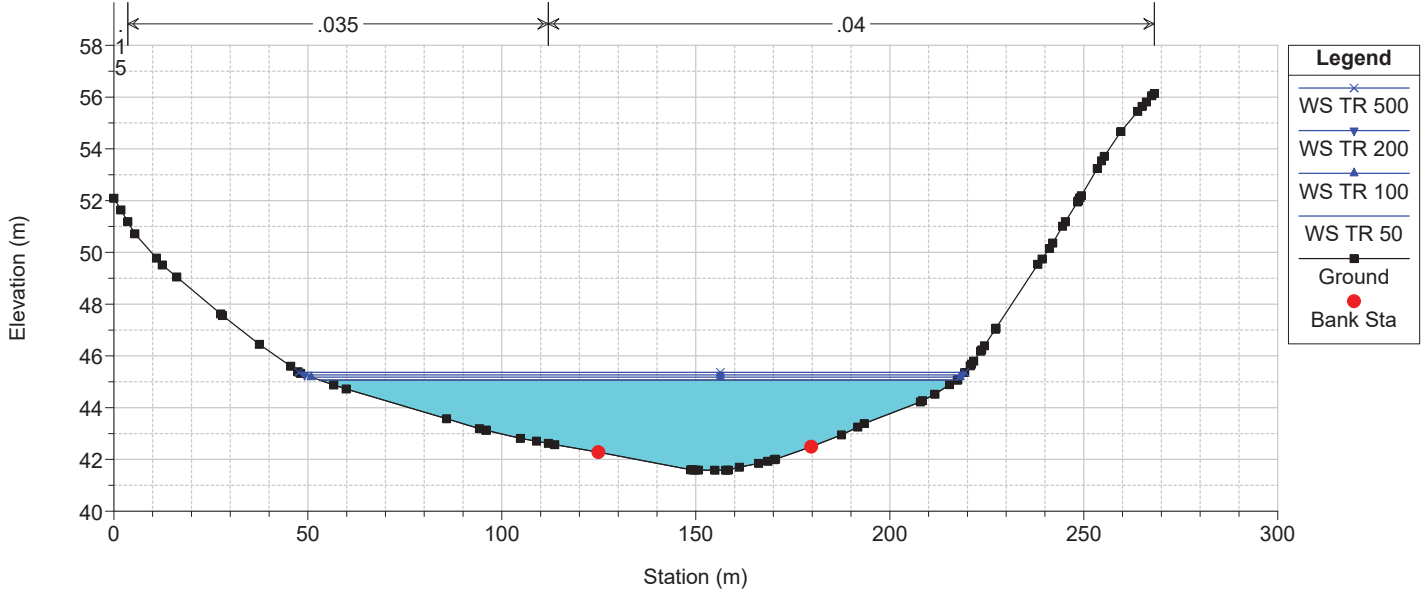
River = Riu_Correbuffas Reach = C32 RS = 2238.988 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

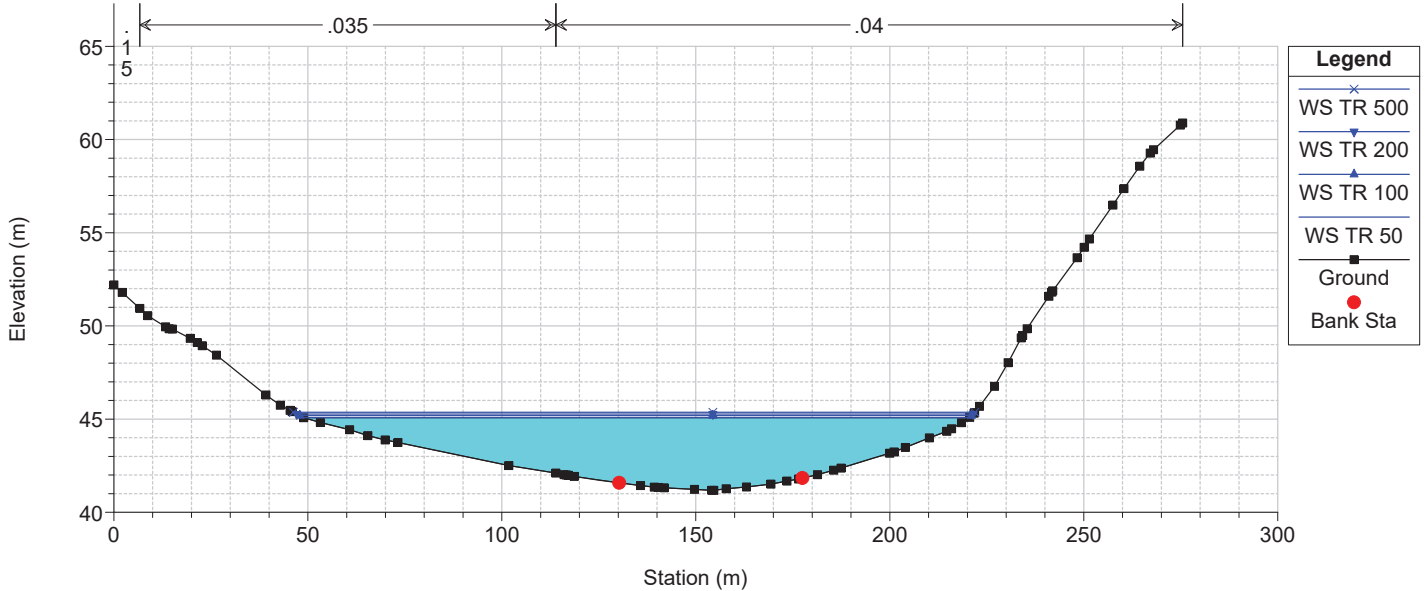
River = Riu_Correbuffas Reach = C32 RS = 2204.156 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

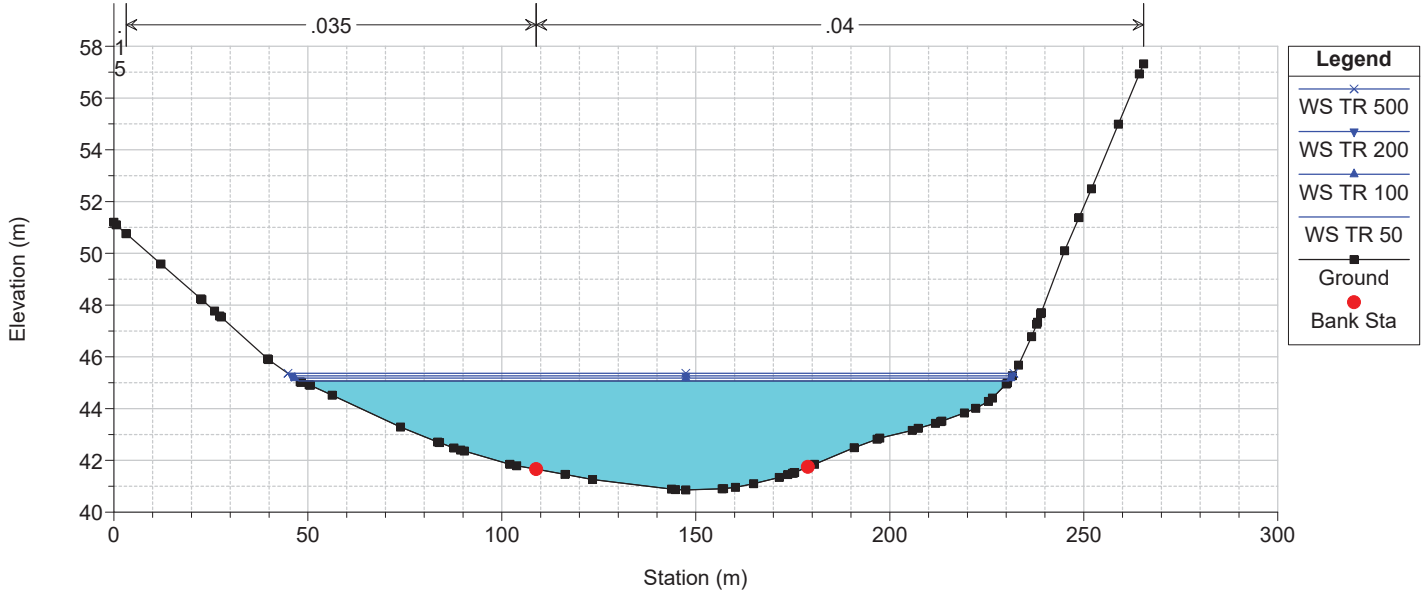
River = Riu_Correbuffas Reach = C32 RS = 2169.303 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

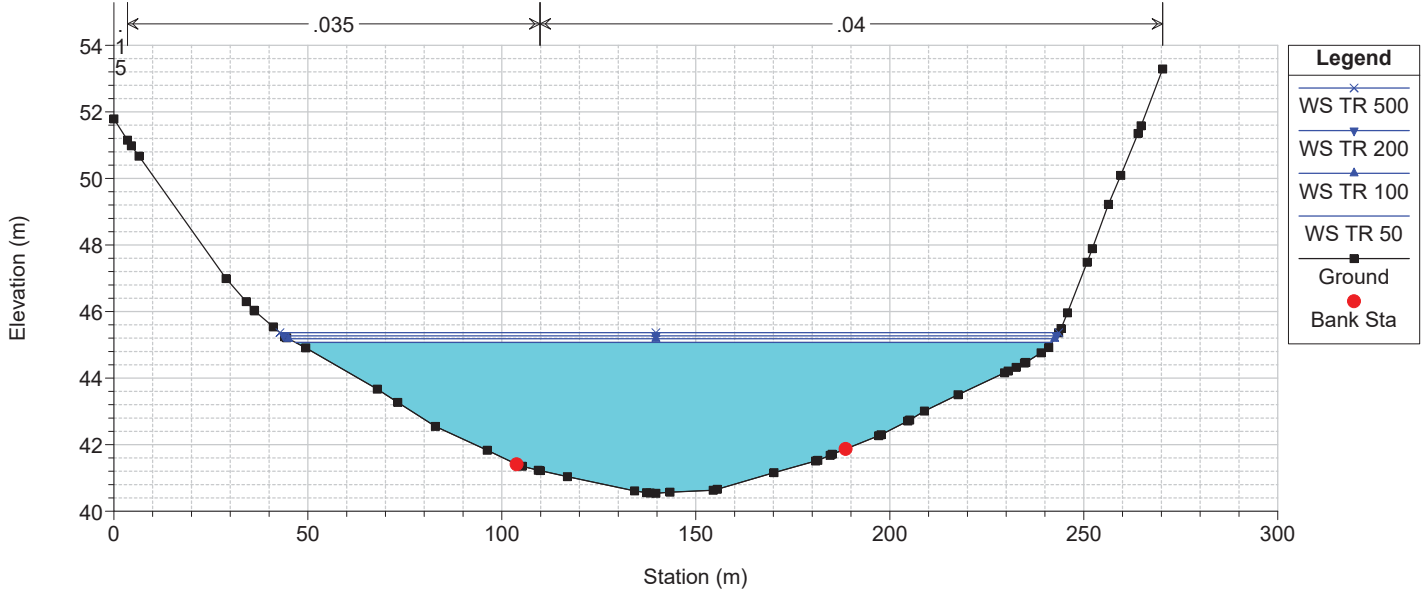
River = Riu_Correbuffas Reach = C32 RS = 2134.406 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

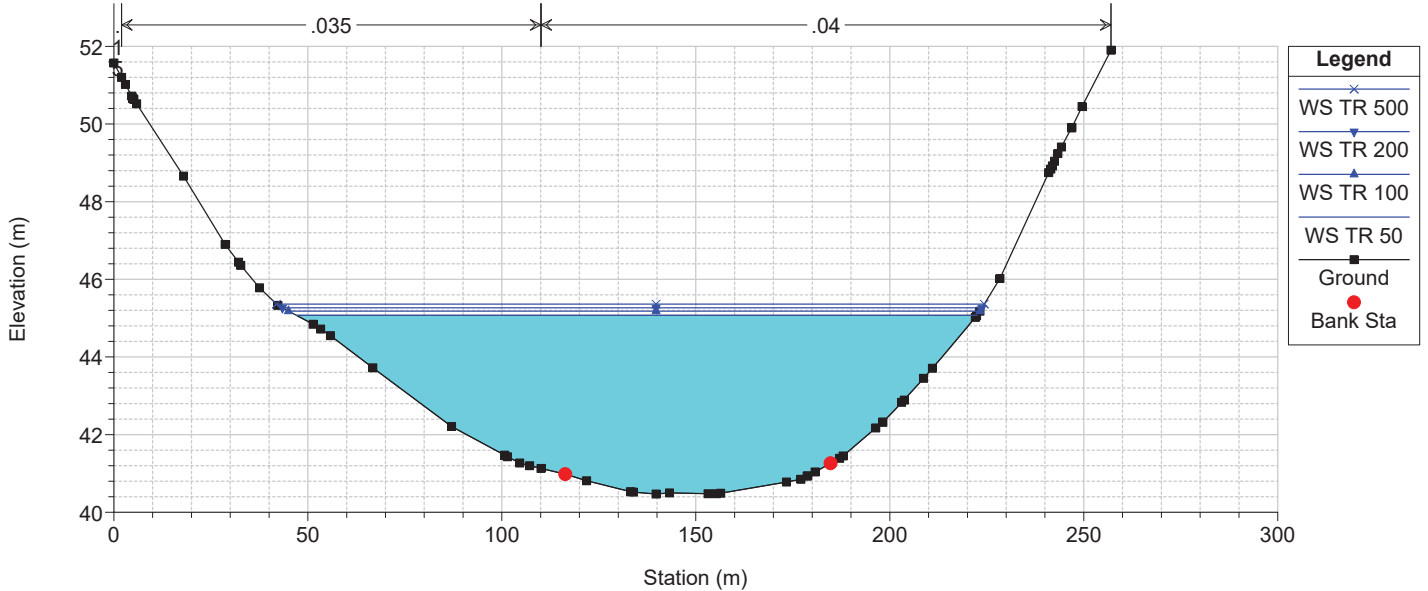
River = Riu_Correbuffas Reach = C32 RS = 2099.18 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

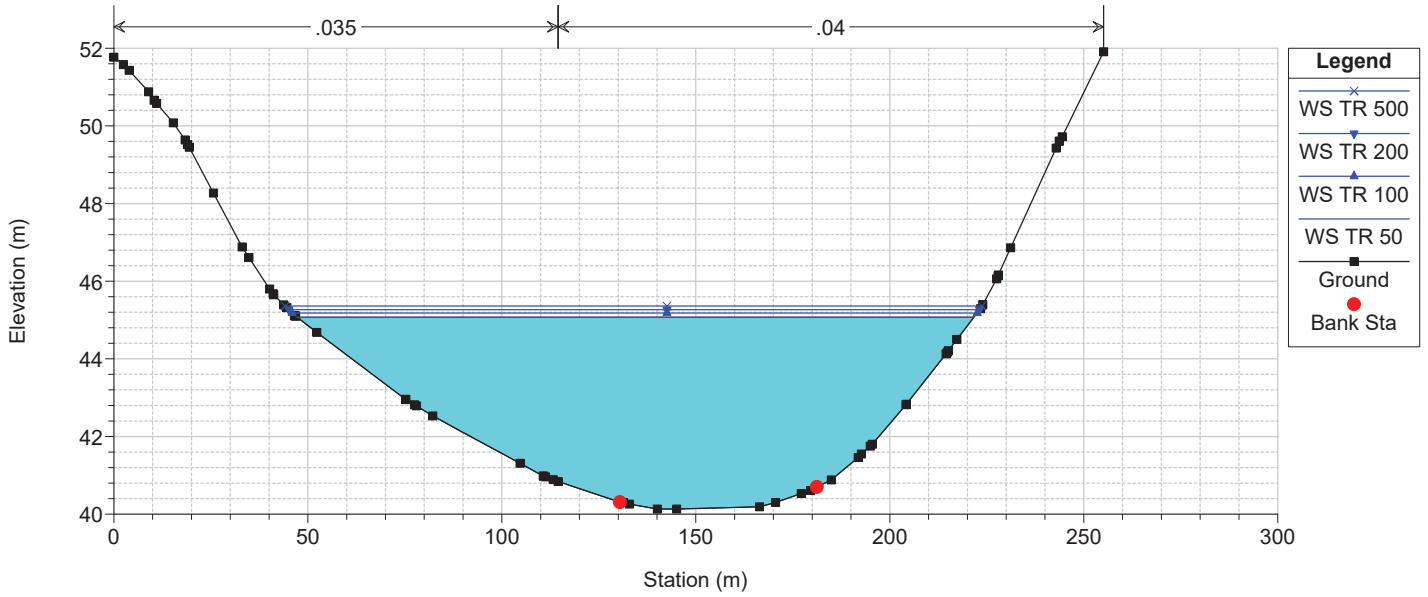
River = Riu_Correbuffas Reach = C32 RS = 2064.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

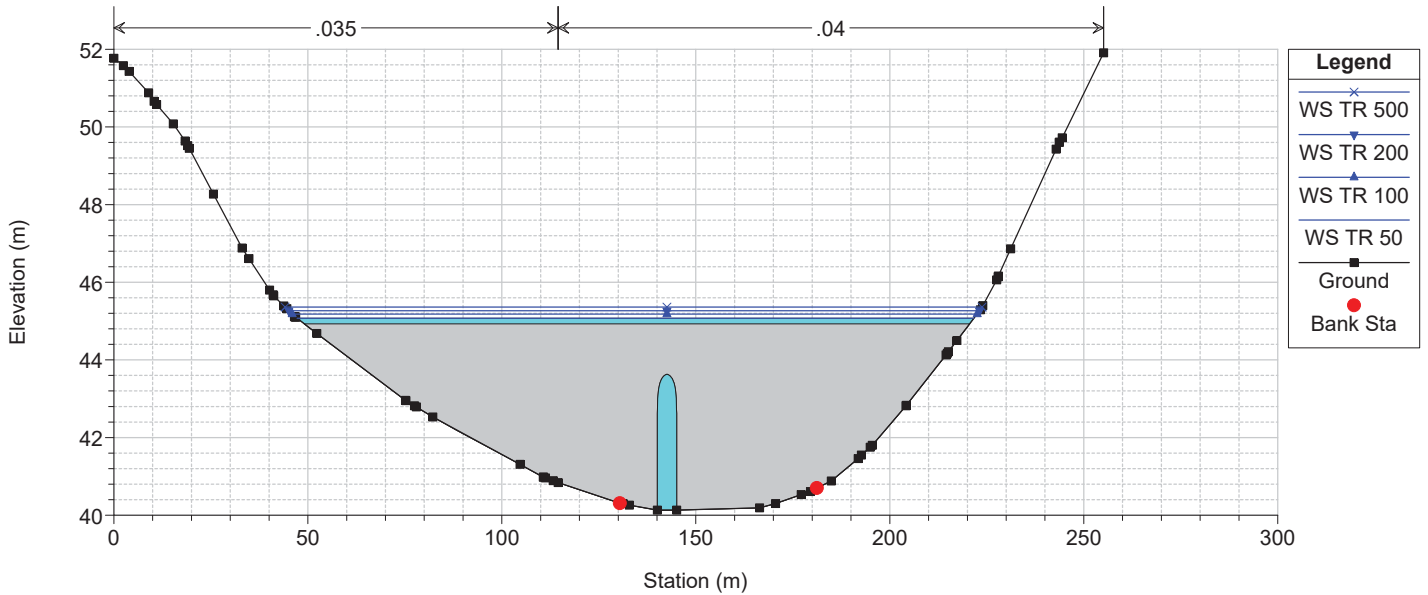
River = Riu_Correbuffas Reach = C32 RS = 2035.779 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

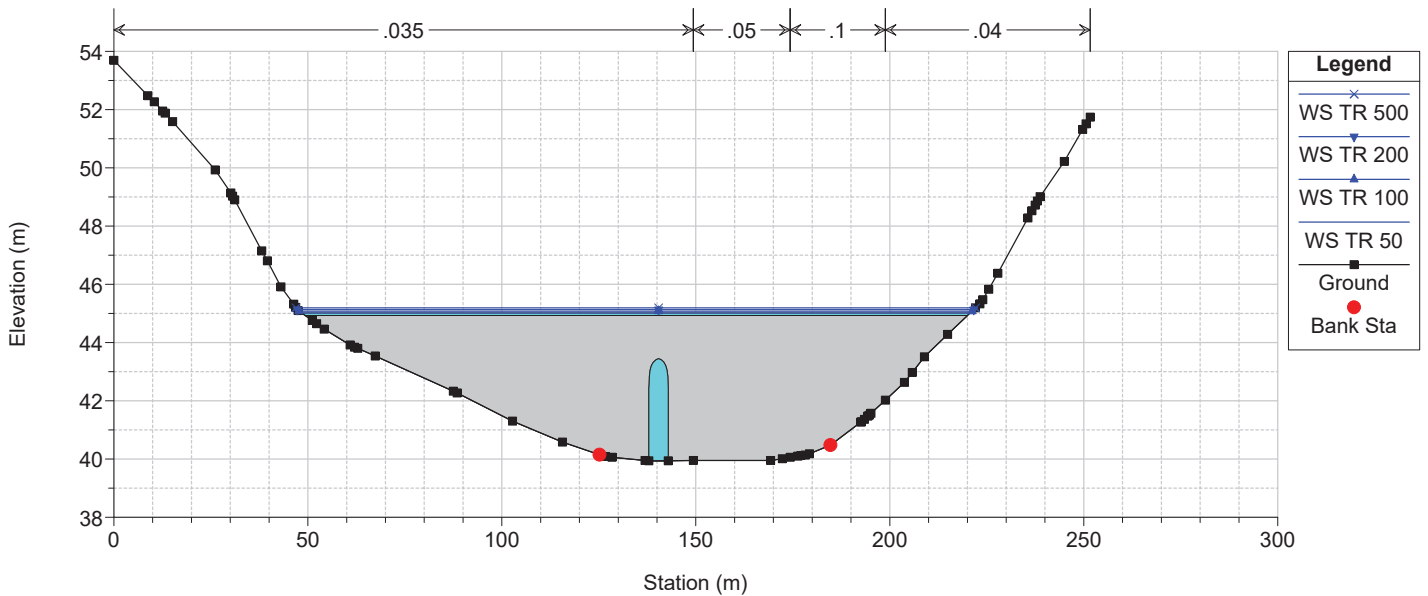
River = Riu_Correbuffas Reach = C32 RS = 2023.907 Culv C29 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

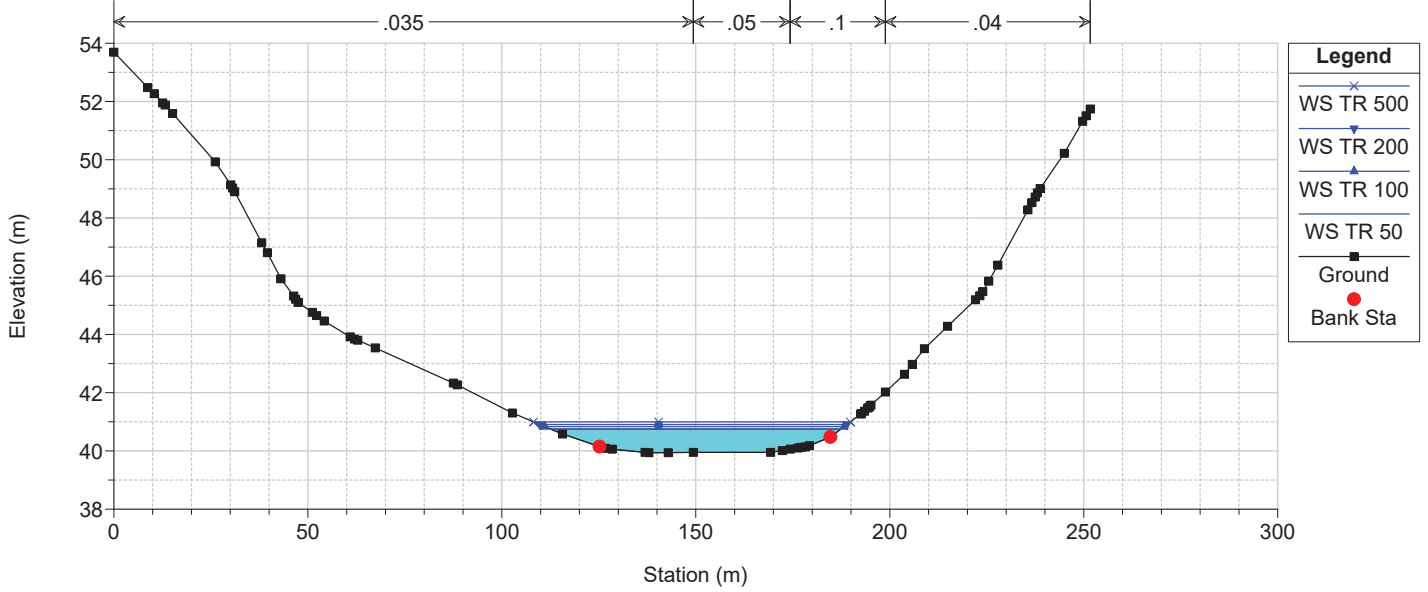
River = Riu_Correbuffas Reach = C32 RS = 2023.907 Culv C29 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

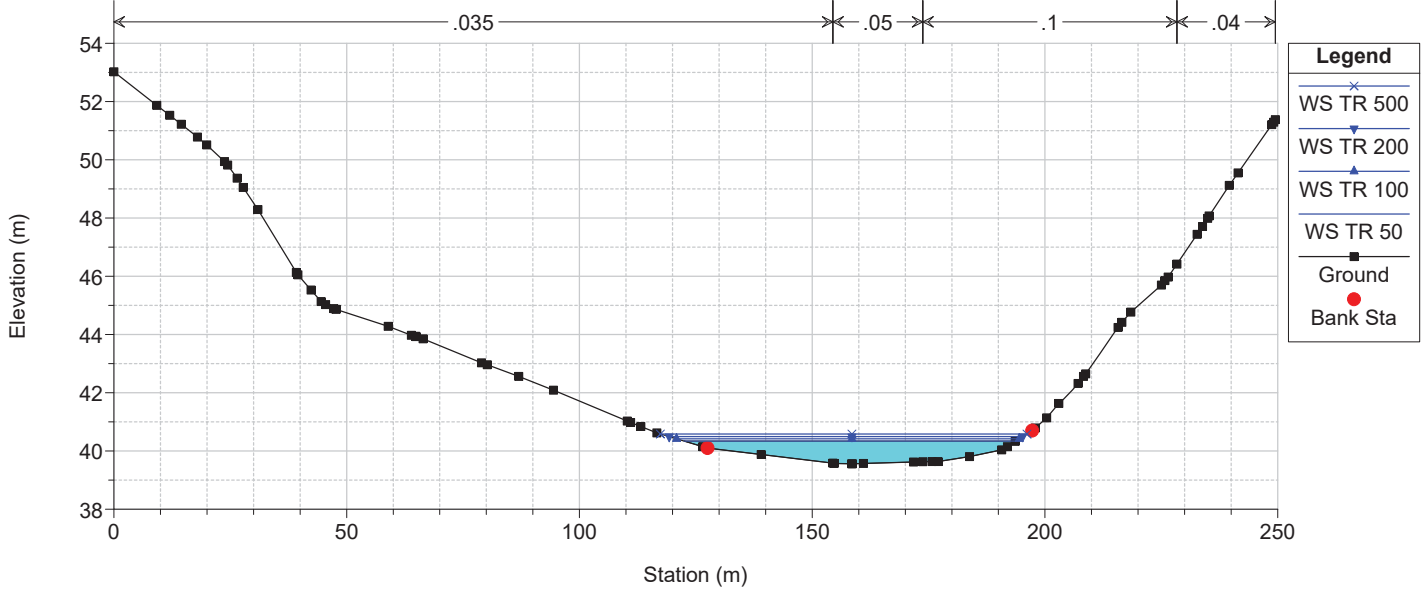
River = Riu_Correbuffas Reach = C32 RS = 2013.826 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

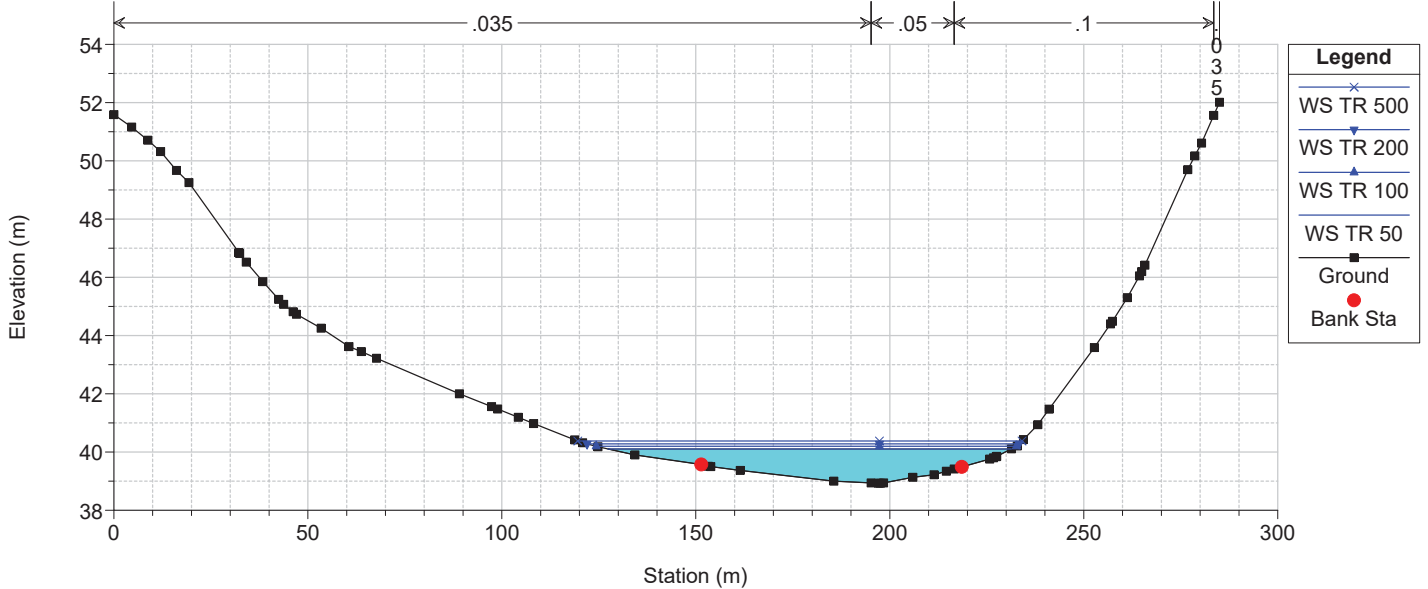
River = Riu_Correbuffas Reach = C32 RS = 1994.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

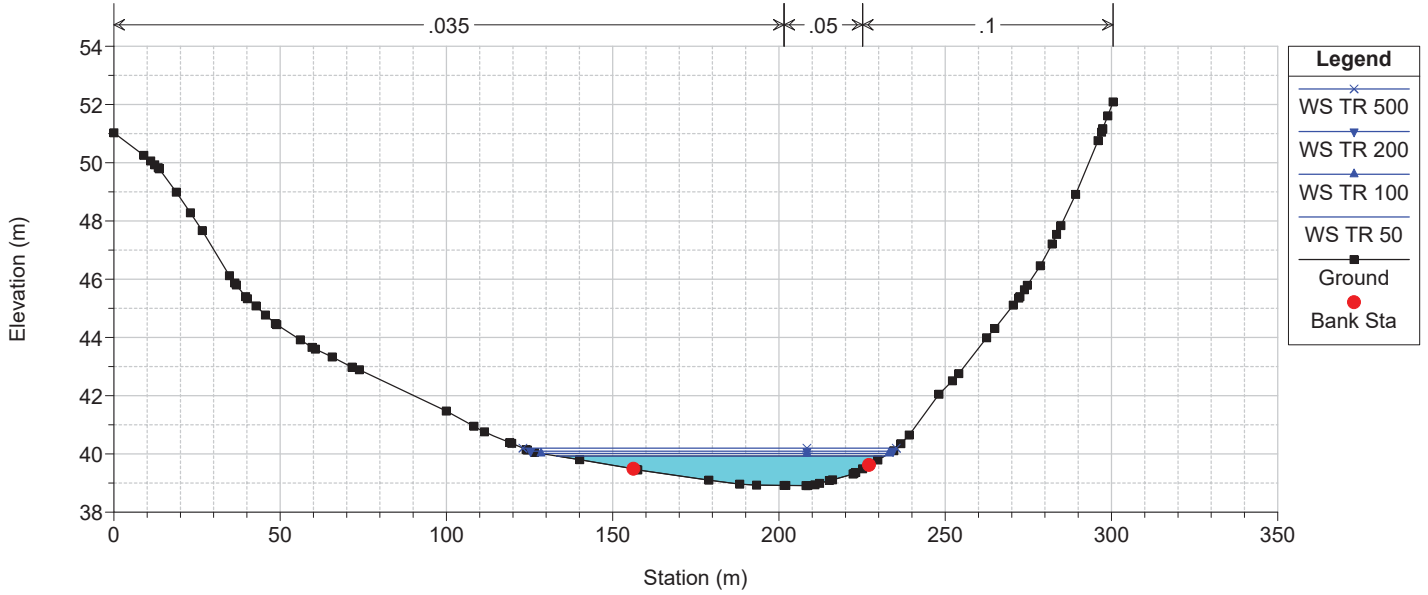
River = Riu_Correbuffas Reach = C32 RS = 1959.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

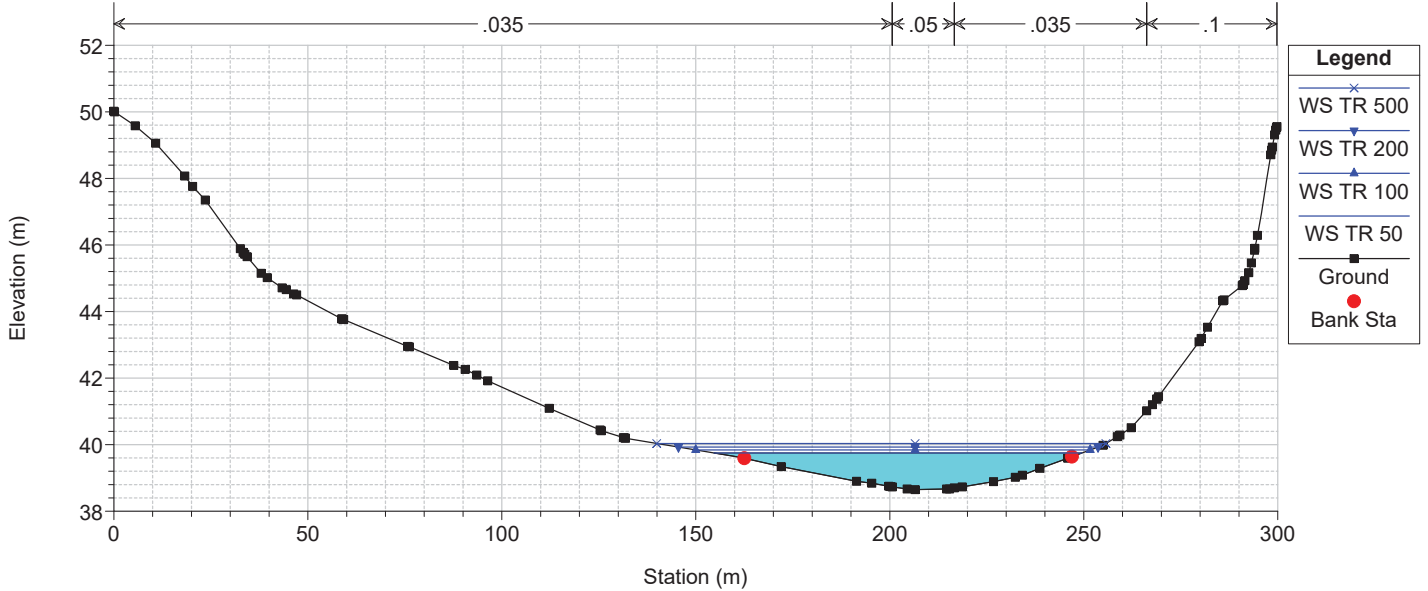
River = Riu_Correbuffas Reach = C32 RS = 1924.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

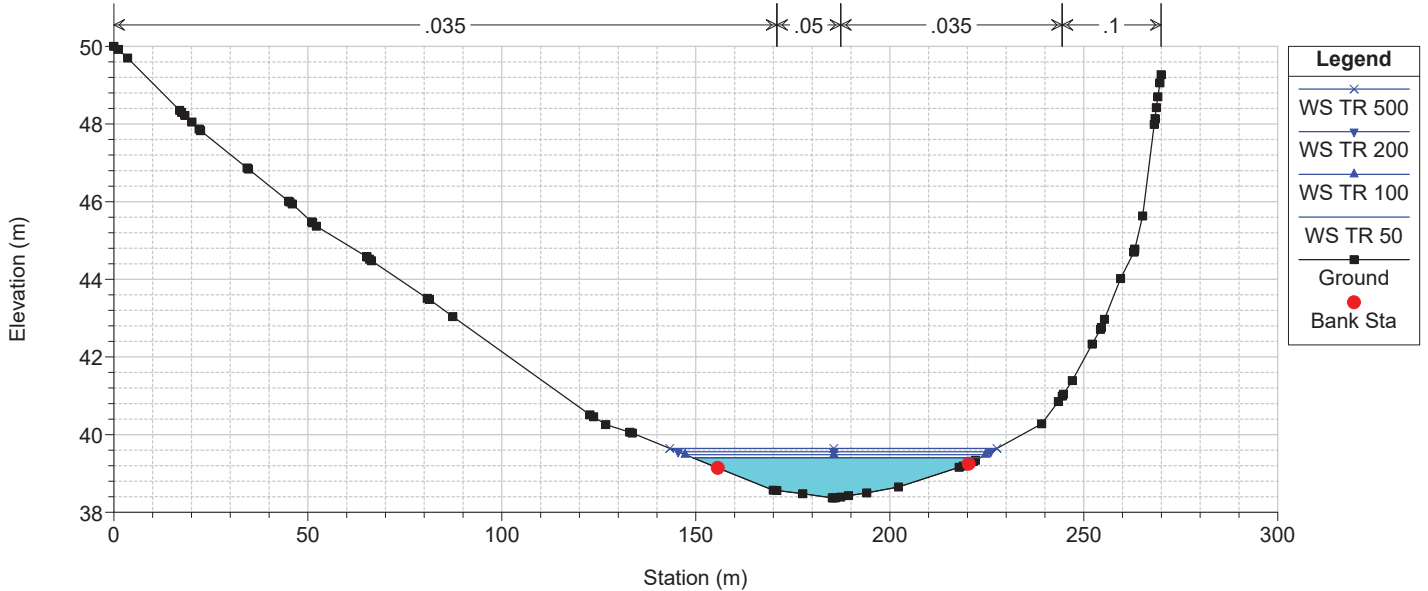
River = Riu_Correbuffas Reach = C32 RS = 1889.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

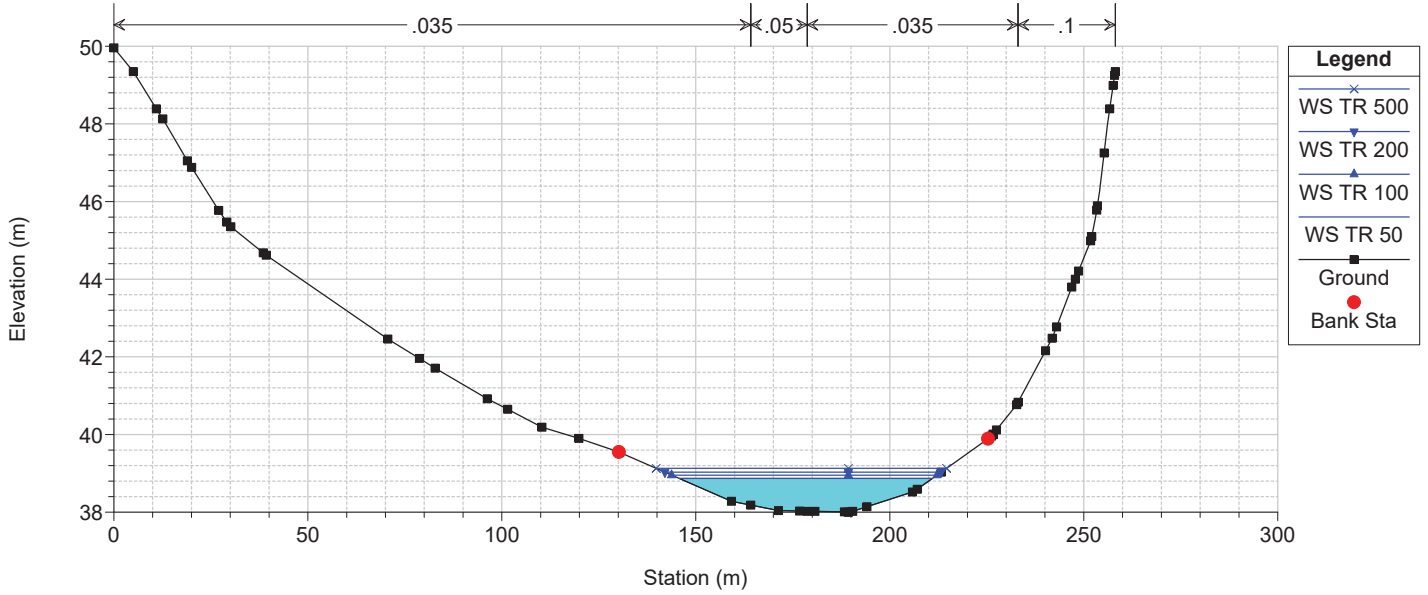
River = Riu_Correbuffas Reach = C32 RS = 1854.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

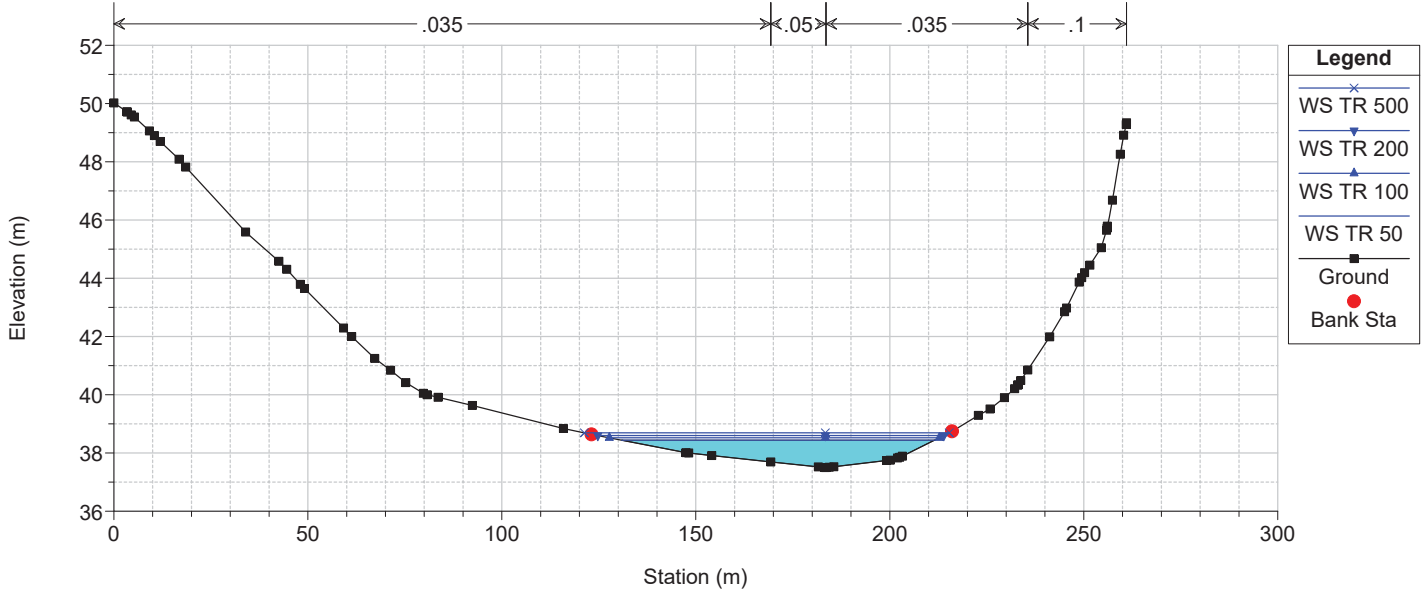
River = Riu_Correbuffas Reach = C32 RS = 1819.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

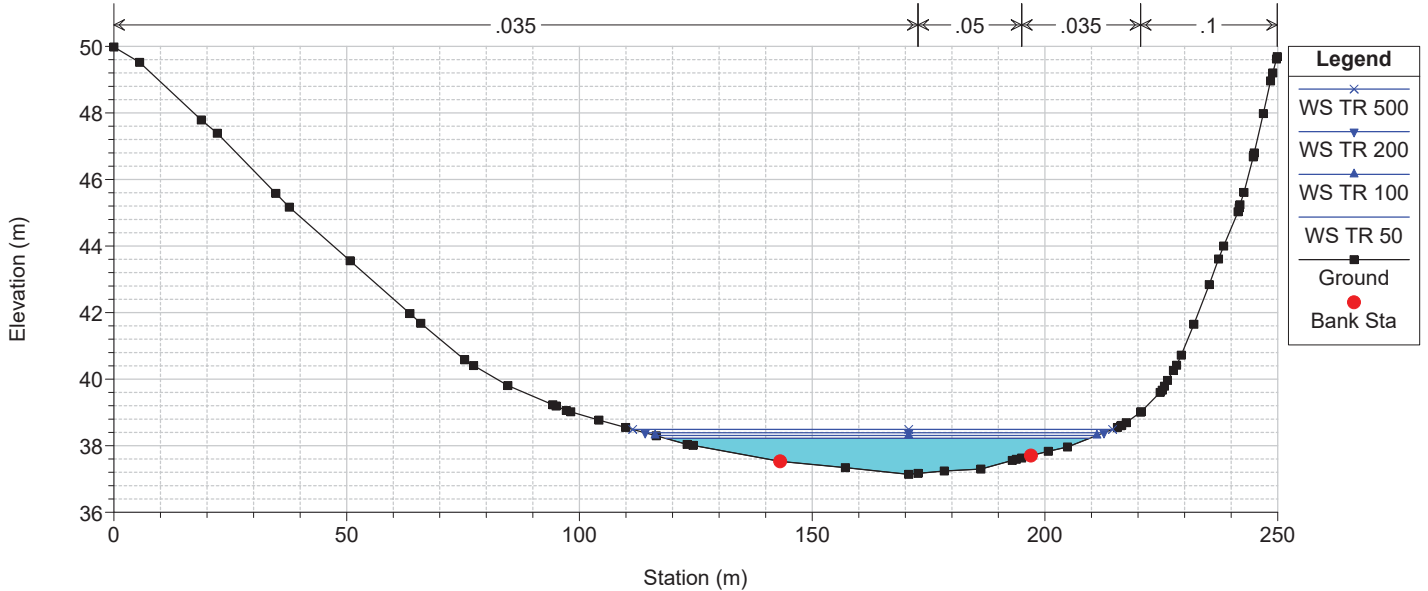
River = Riu_Correbuffas Reach = C32 RS = 1784.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

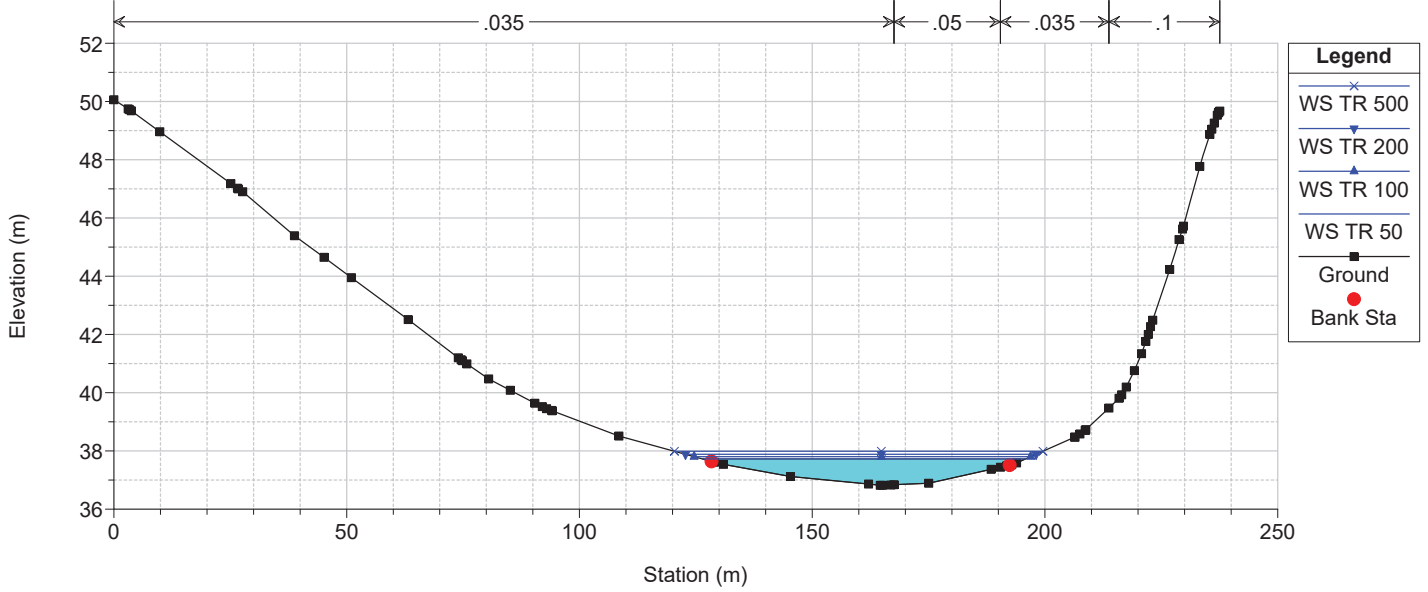
River = Riu_Correbuffas Reach = C32 RS = 1749.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

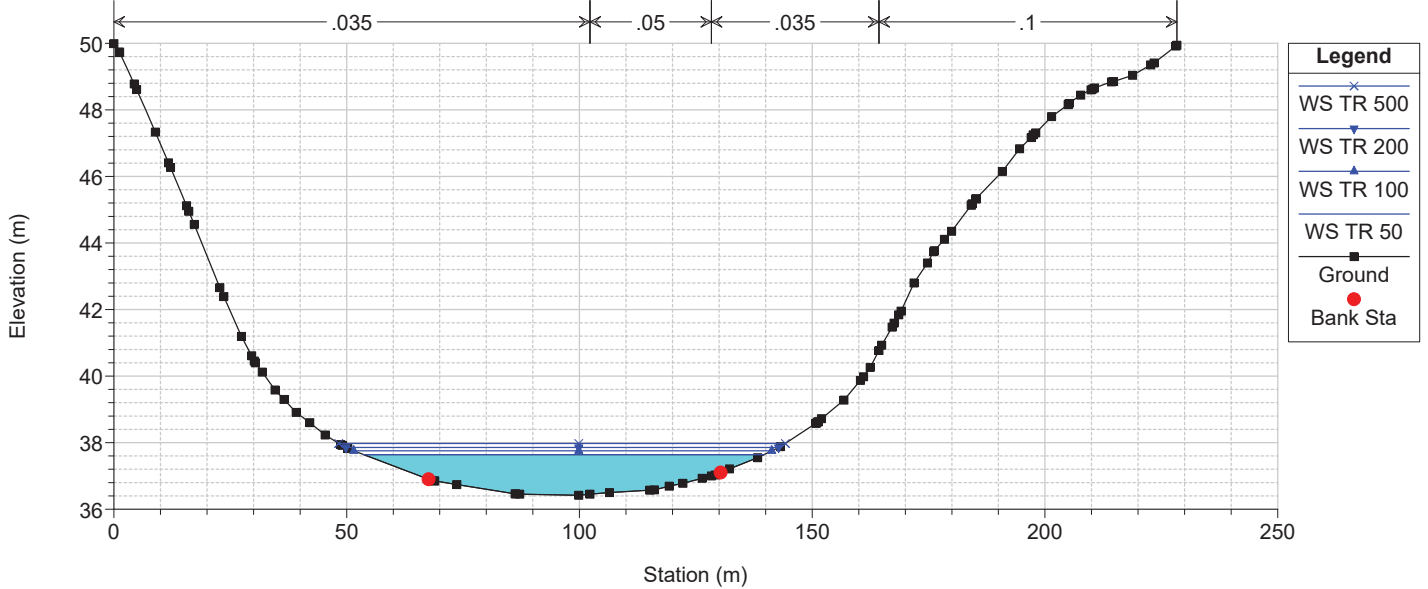
River = Riu_Correbuffas Reach = C32 RS = 1714.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

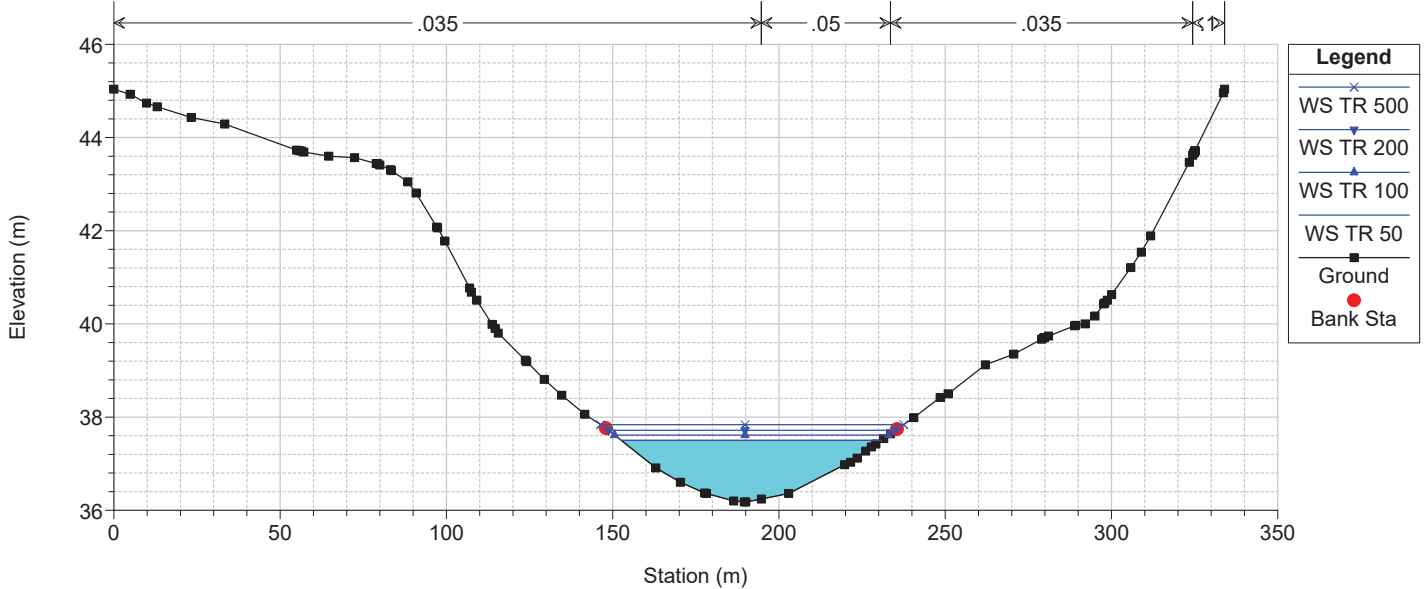
River = Riu_Correbuffas Reach = C32 RS = 1679.18 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

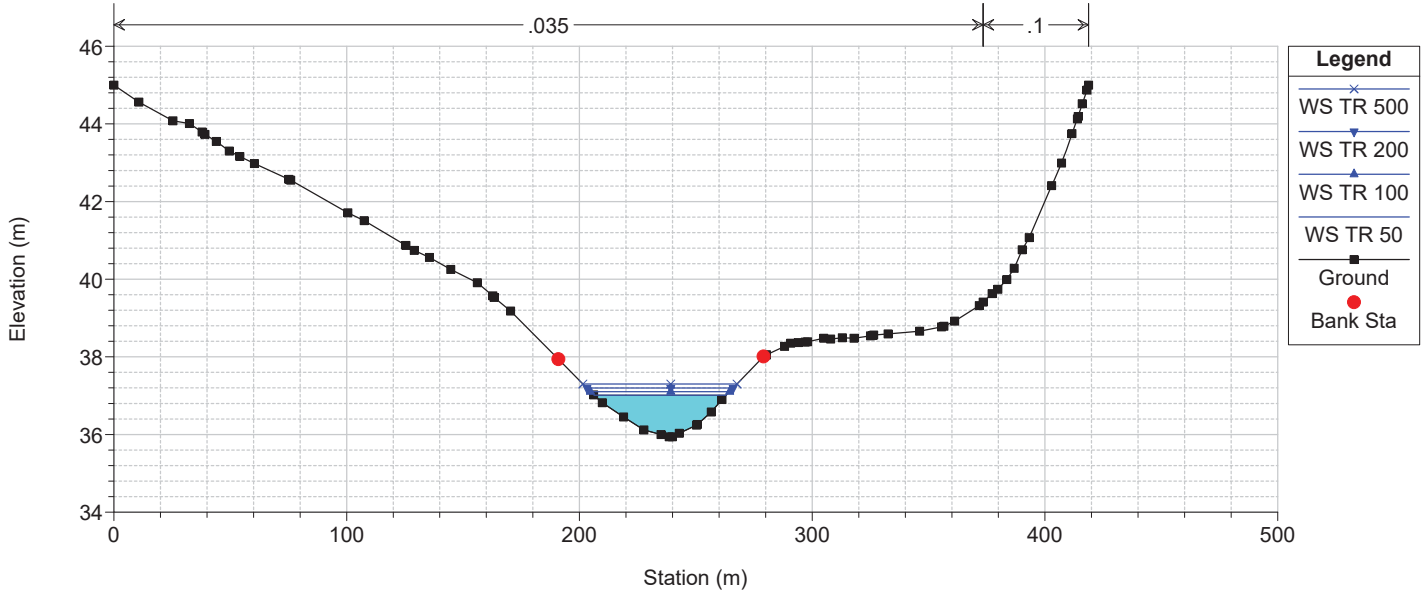
River = Riu_Correbuffas Reach = C32 RS = 1644.208 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

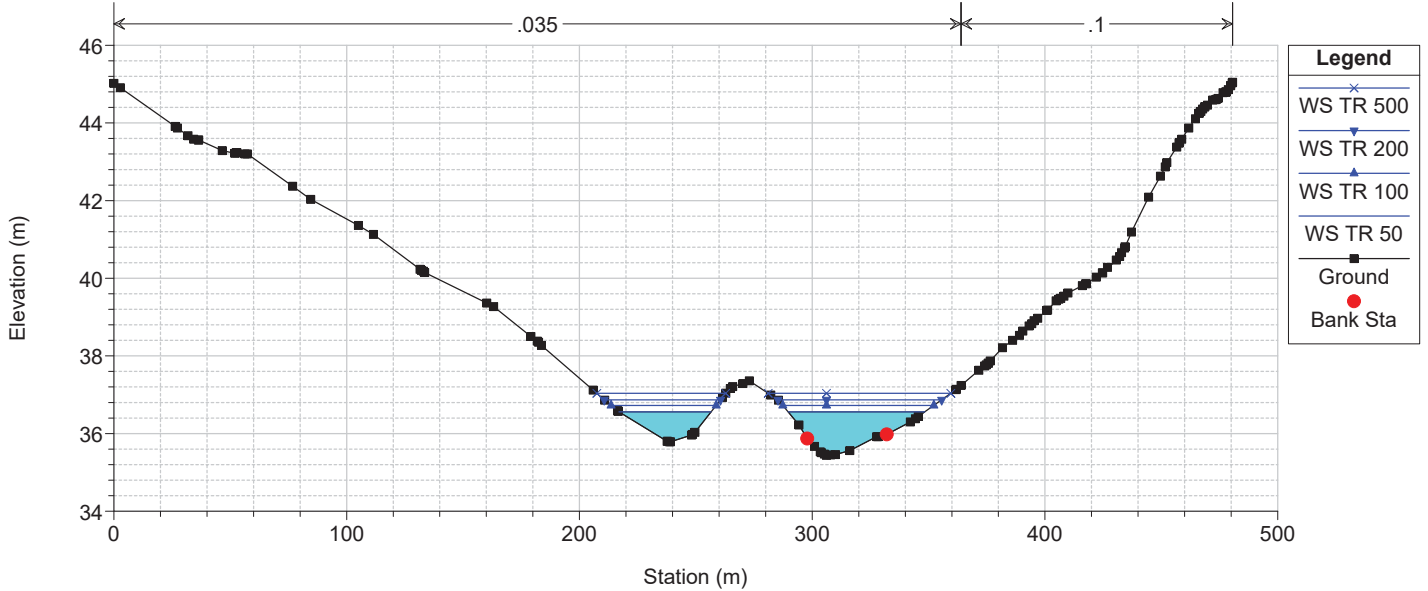
River = Riu_Correbuffas Reach = C32 RS = 1609.244 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

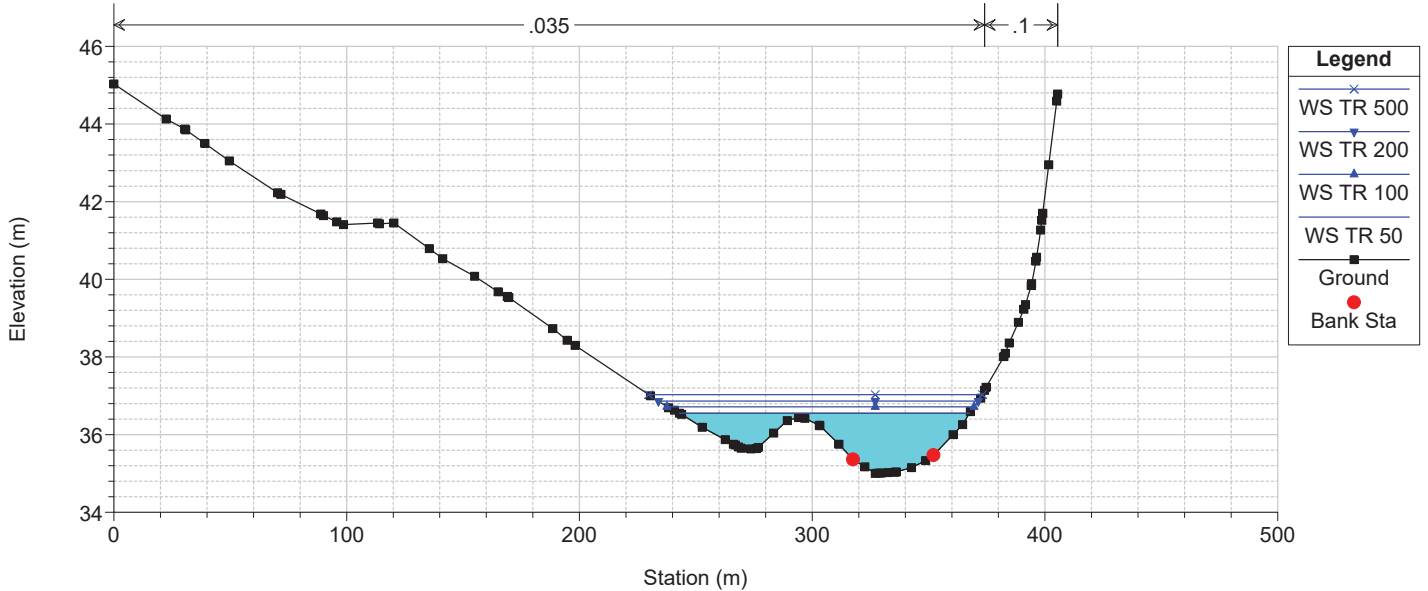
River = Riu_Correbuffas Reach = C32 RS = 1574.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

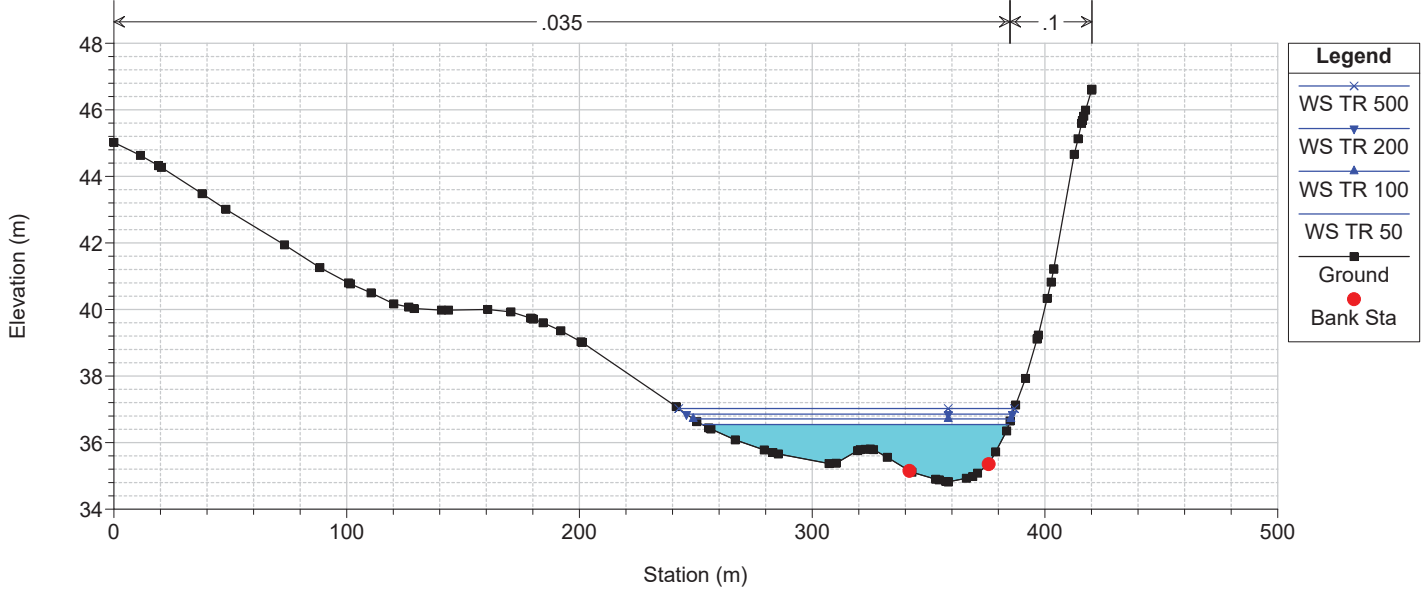
River = Riu_Correbuffas Reach = C32 RS = 1539.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

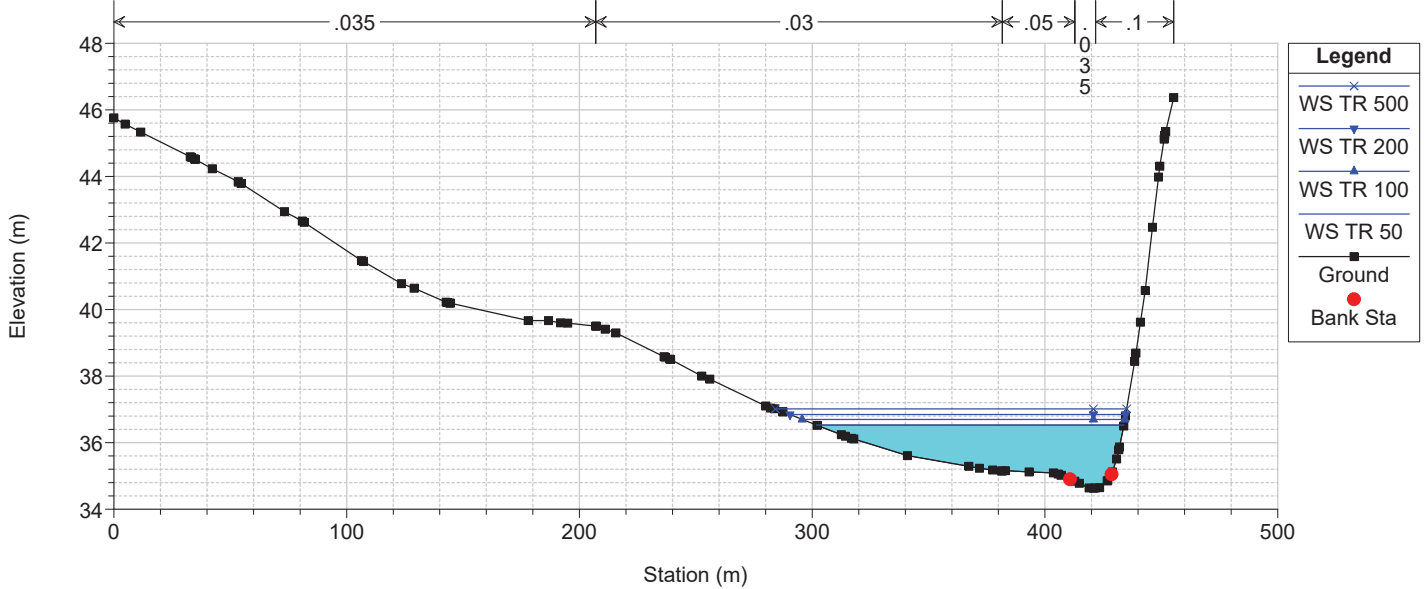
River = Riu_Correbuffas Reach = C32 RS = 1504.211 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

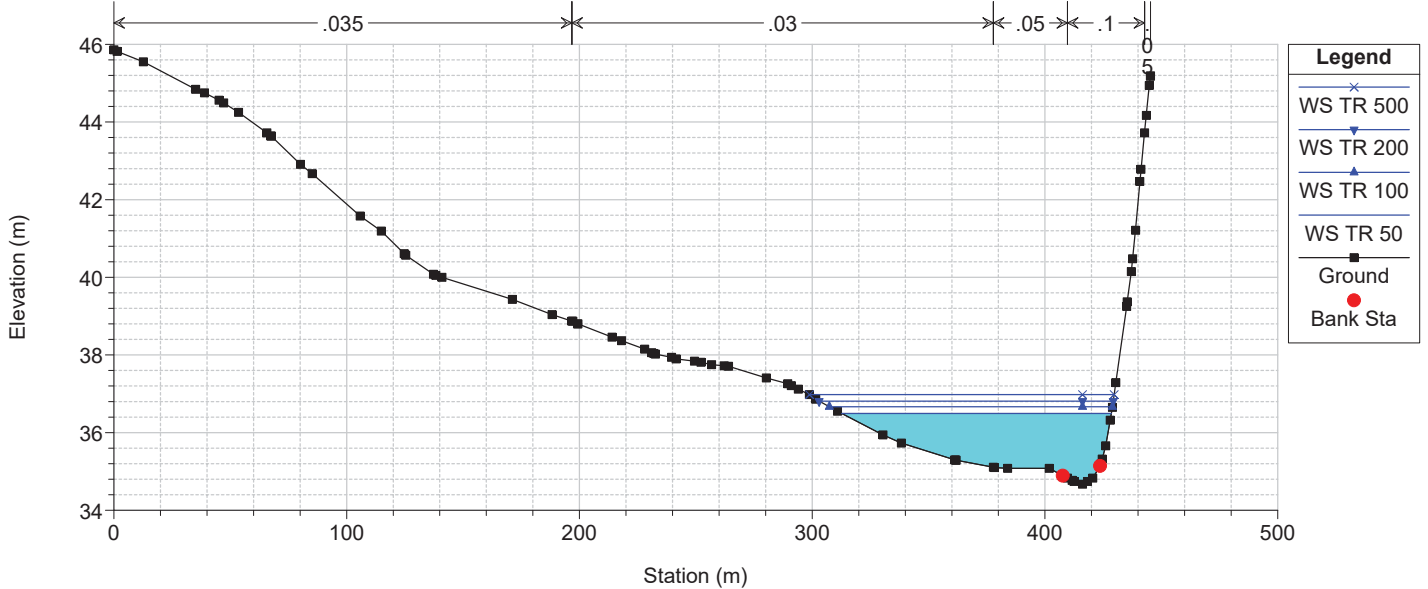
River = Riu_Correbuffas Reach = C32 RS = 1469.402 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

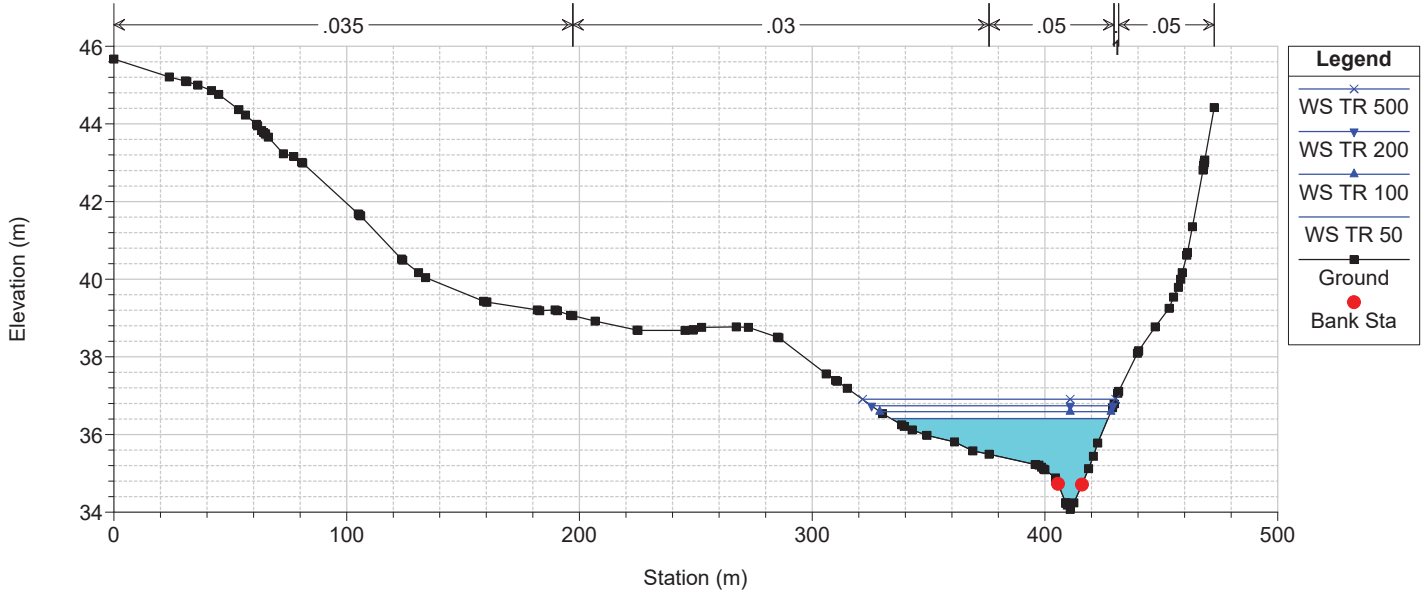
River = Riu_Correbuffas Reach = C32 RS = 1434.013 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

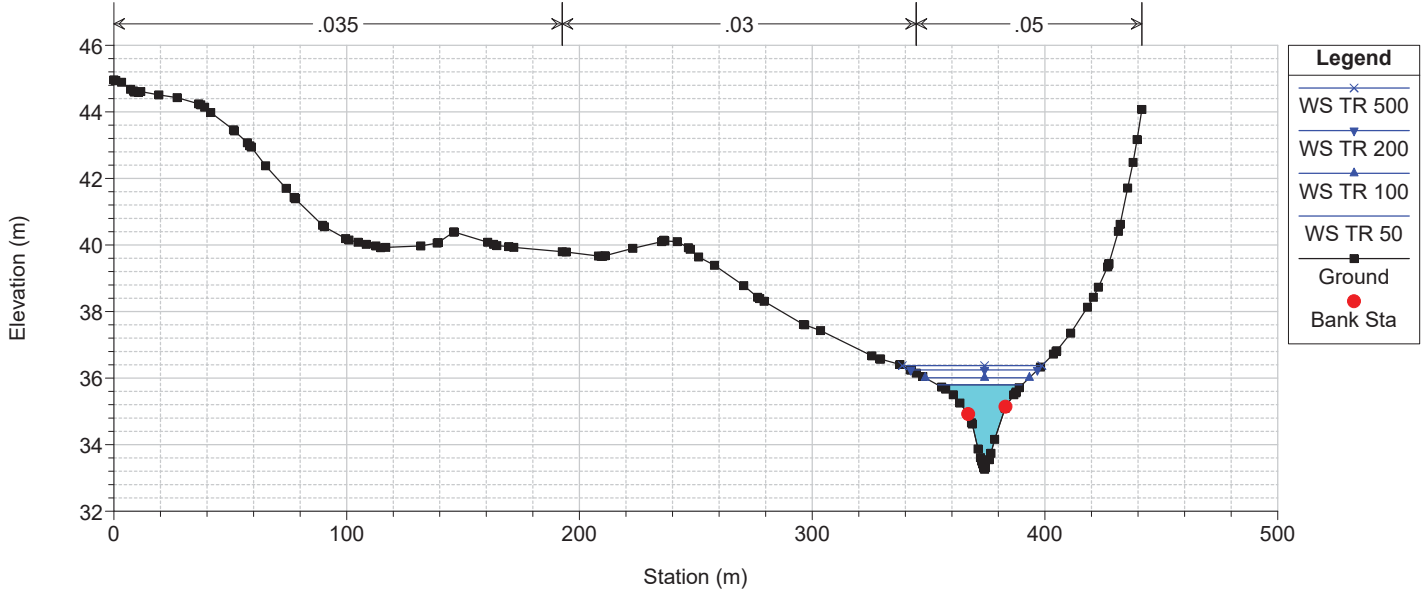
River = Riu_Correbuffas Reach = C32 RS = 1398.968 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

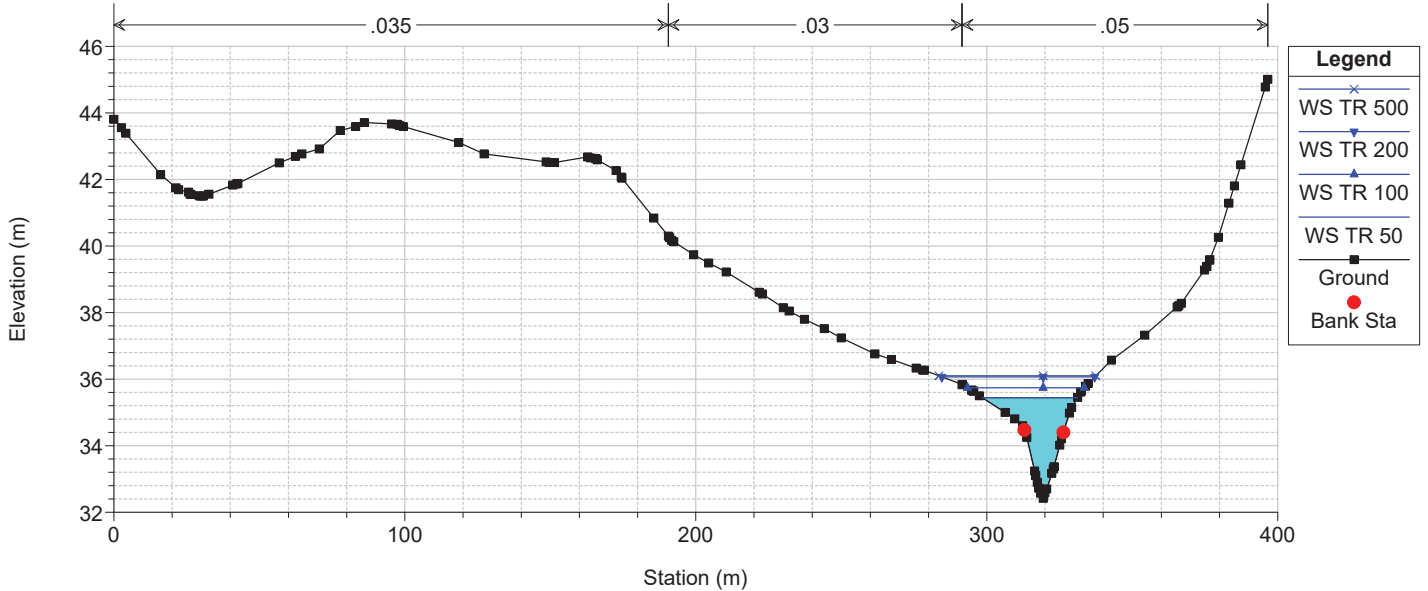
River = Riu_Correbuffas Reach = C32 RS = 1364.175 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

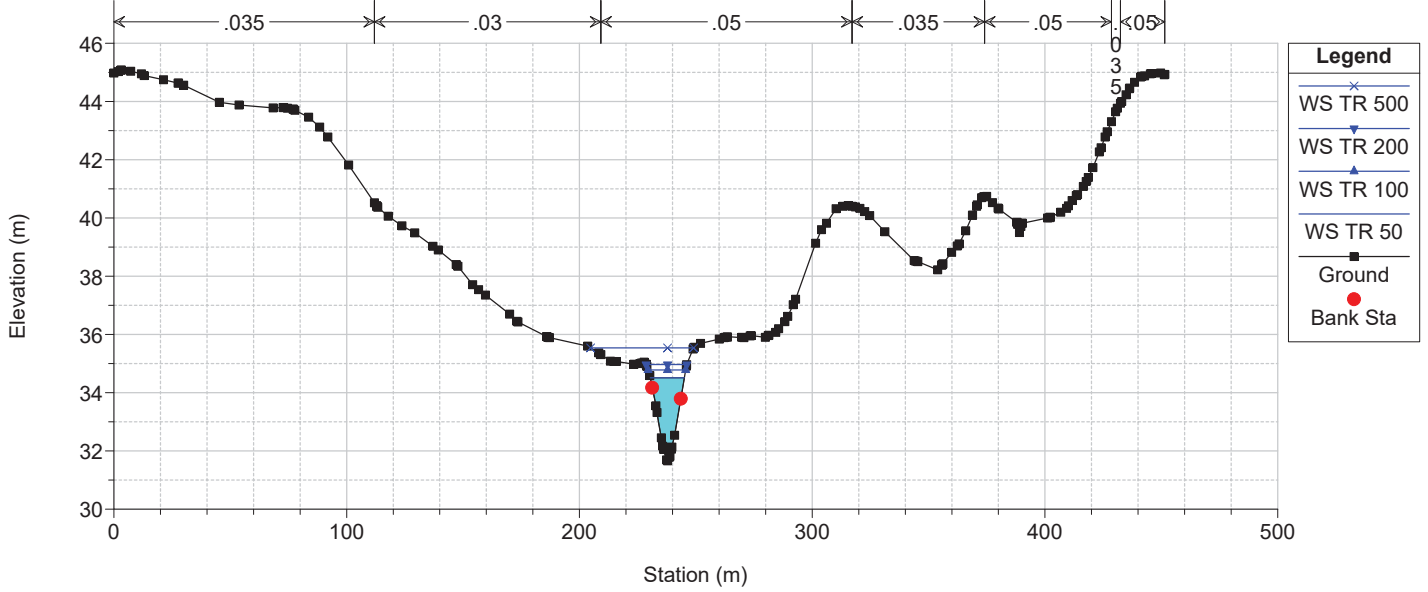
River = Riu_Correbuffas Reach = C32 RS = 1328.906 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

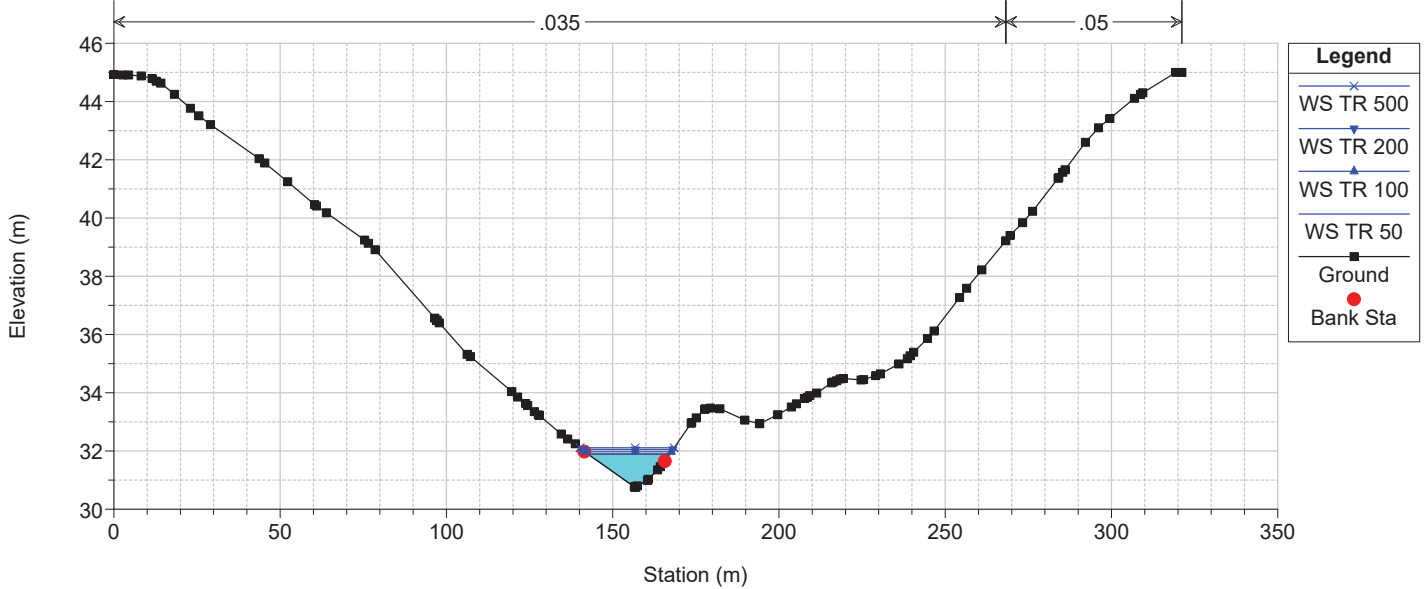
River = Riu_Correbuffas Reach = C32 RS = 1294.767 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

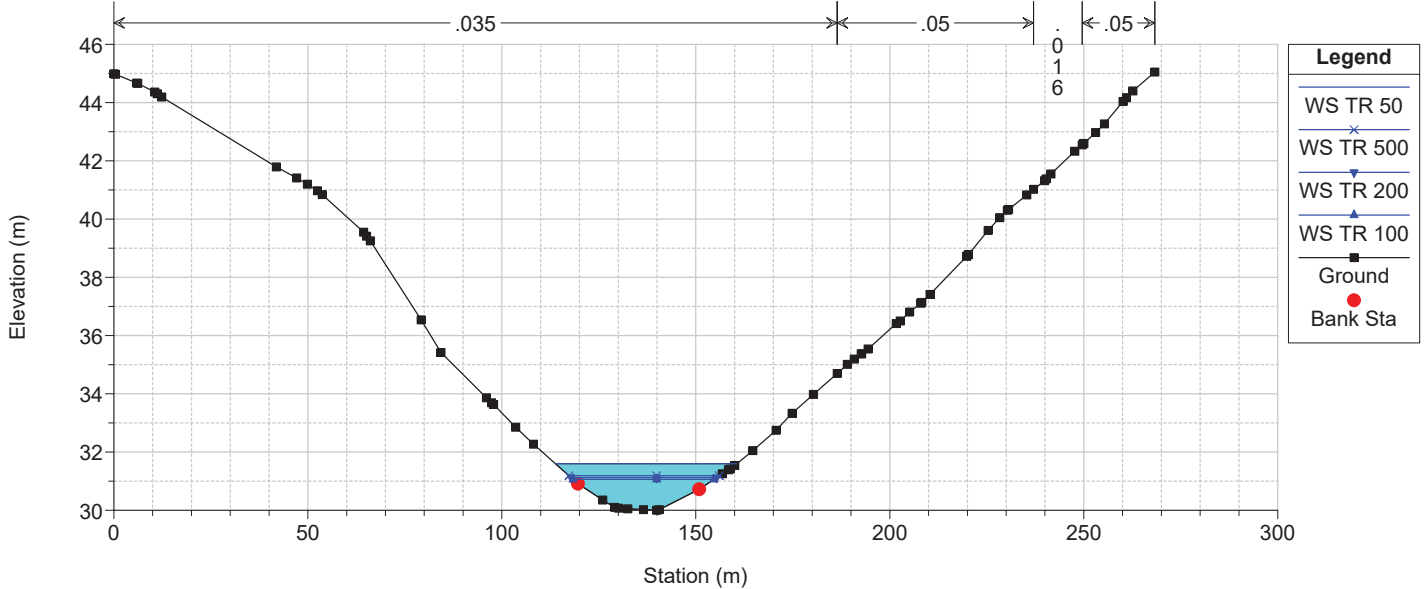
River = Riu_Correbuffas Reach = C32 RS = 1256.467 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

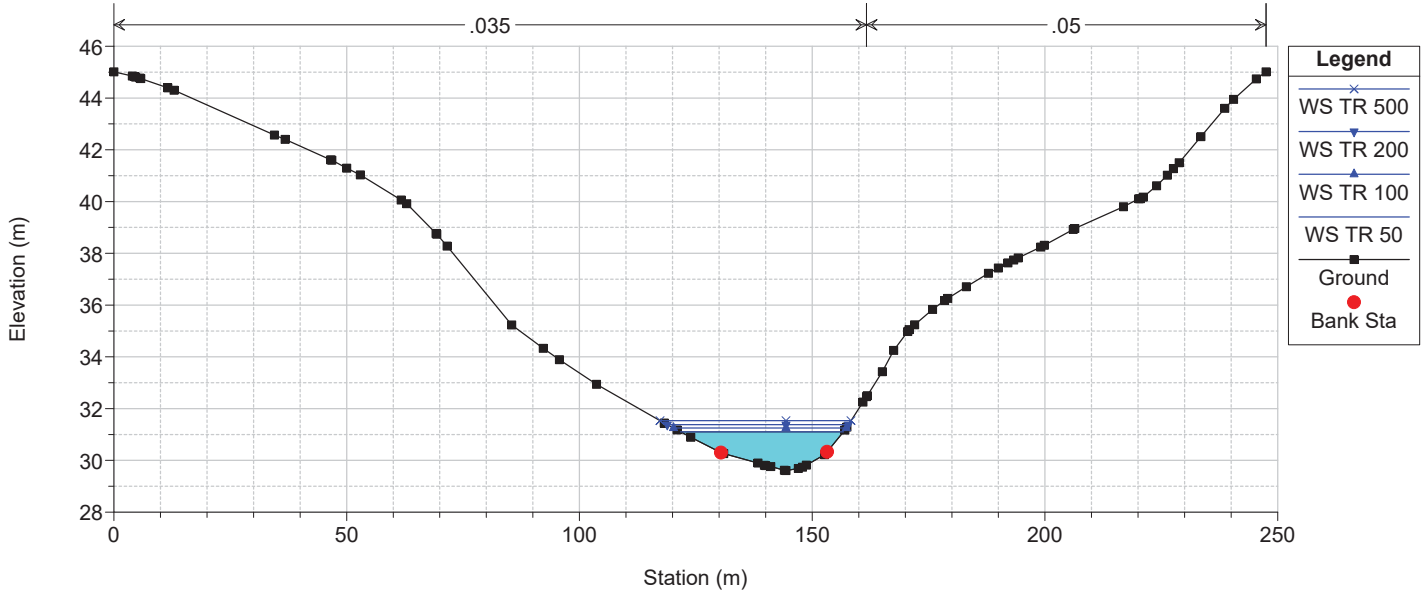
River = Riu_Correbuffas Reach = C32 RS = 1224.175 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

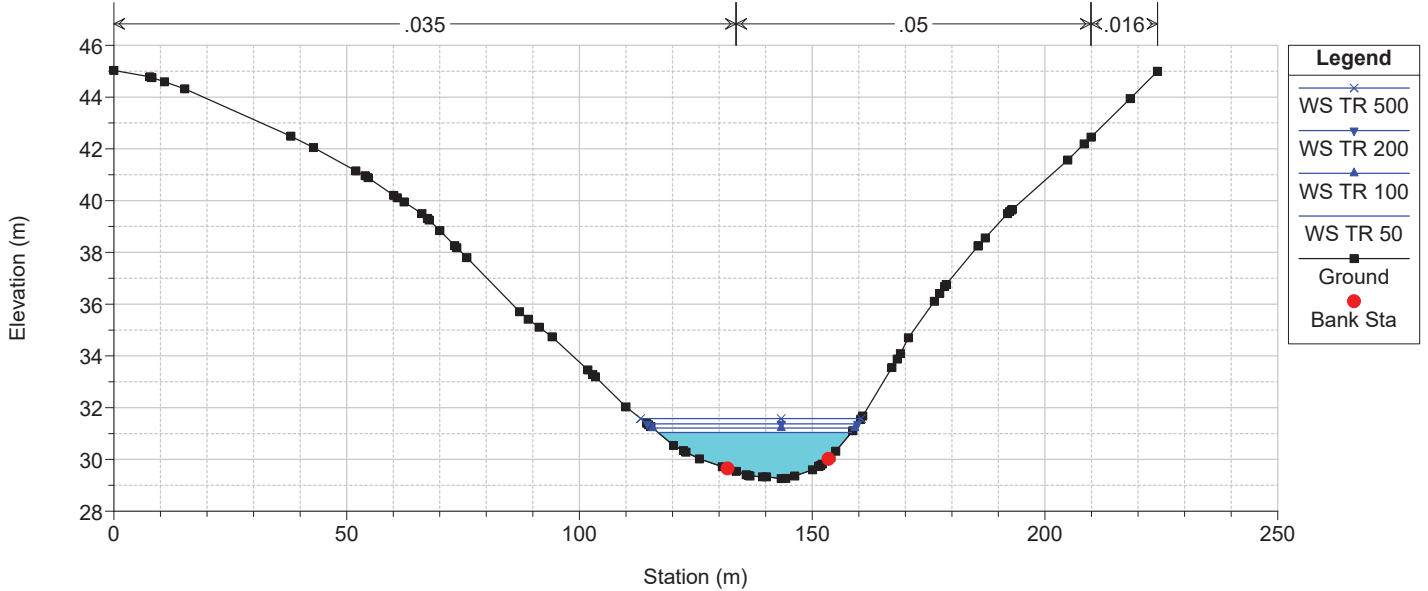
River = Riu_Correbuffas Reach = C32 RS = 1189.156 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

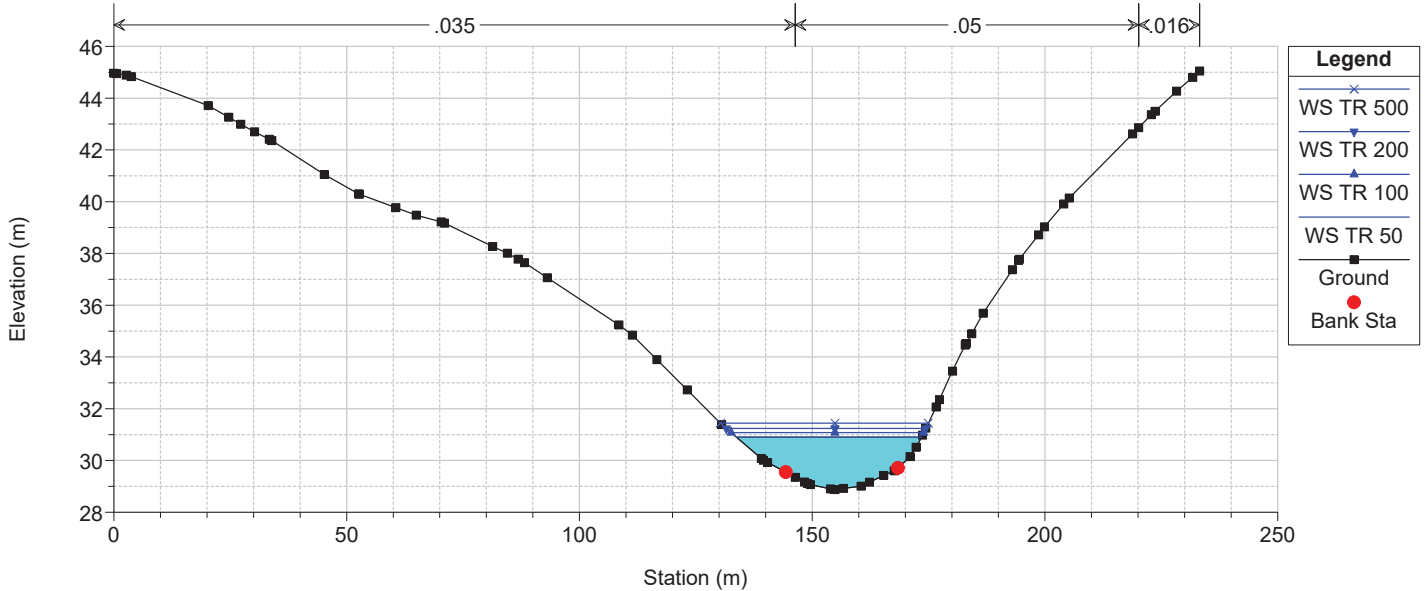
River = Riu_Correbuffas Reach = C32 RS = 1154.281 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

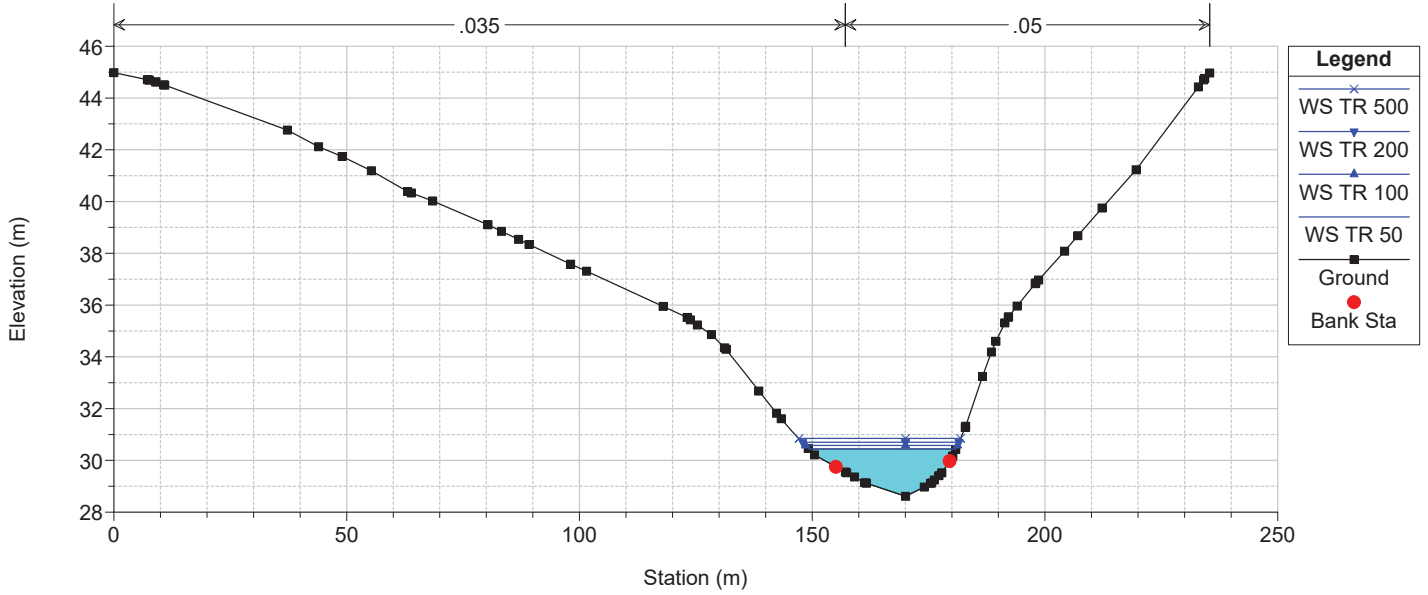
River = Riu_Correbuffas Reach = C32 RS = 1119.243 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

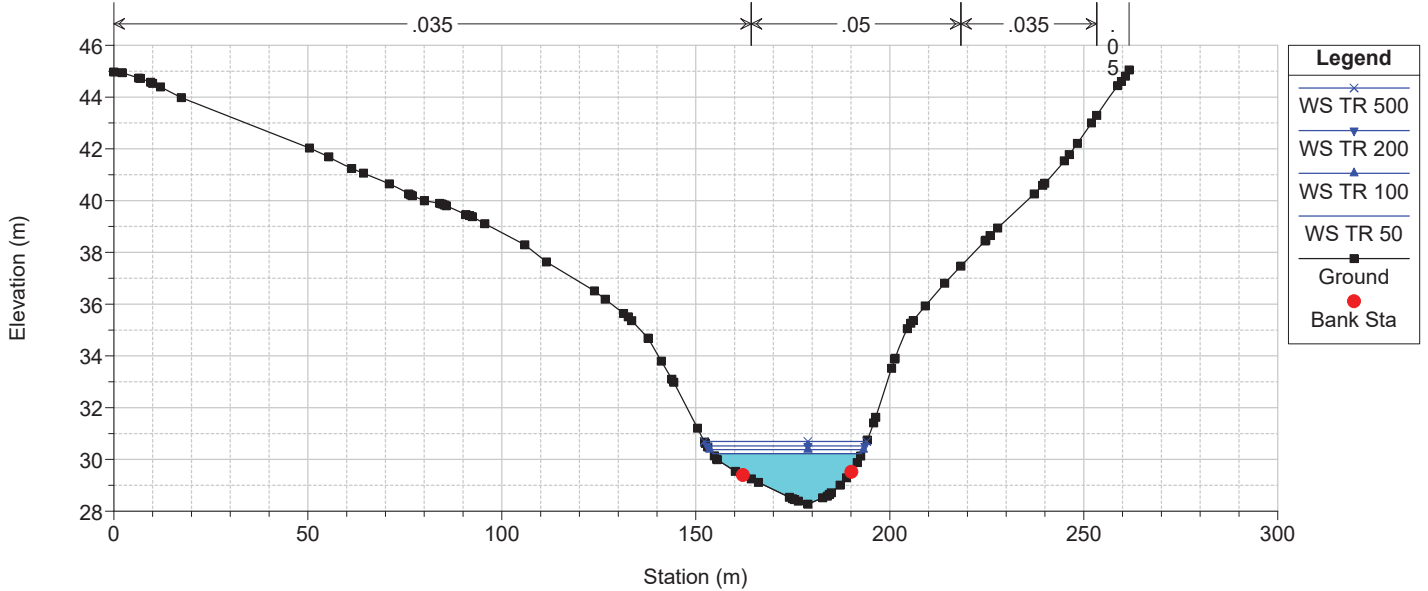
River = Riu_Correbuffas Reach = C32 RS = 1084.246 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

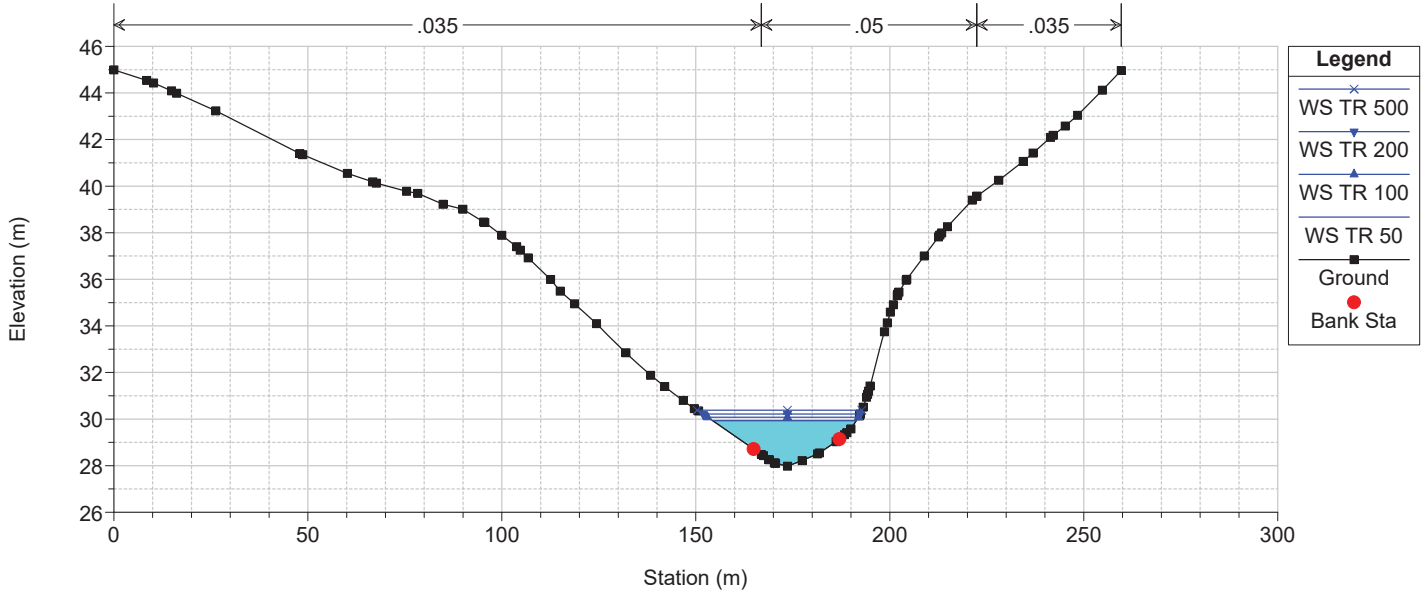
River = Riu_Correbuffas Reach = C32 RS = 1049.281 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

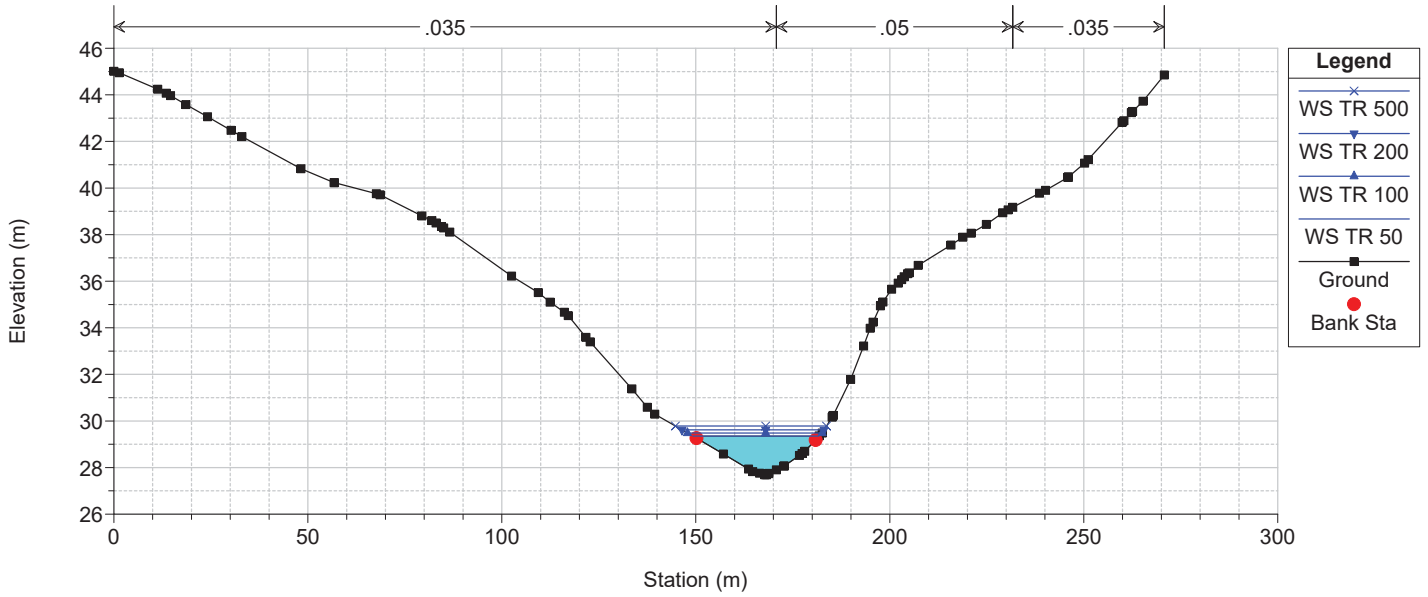
River = Riu_Correbuffas Reach = C32 RS = 1013.501 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

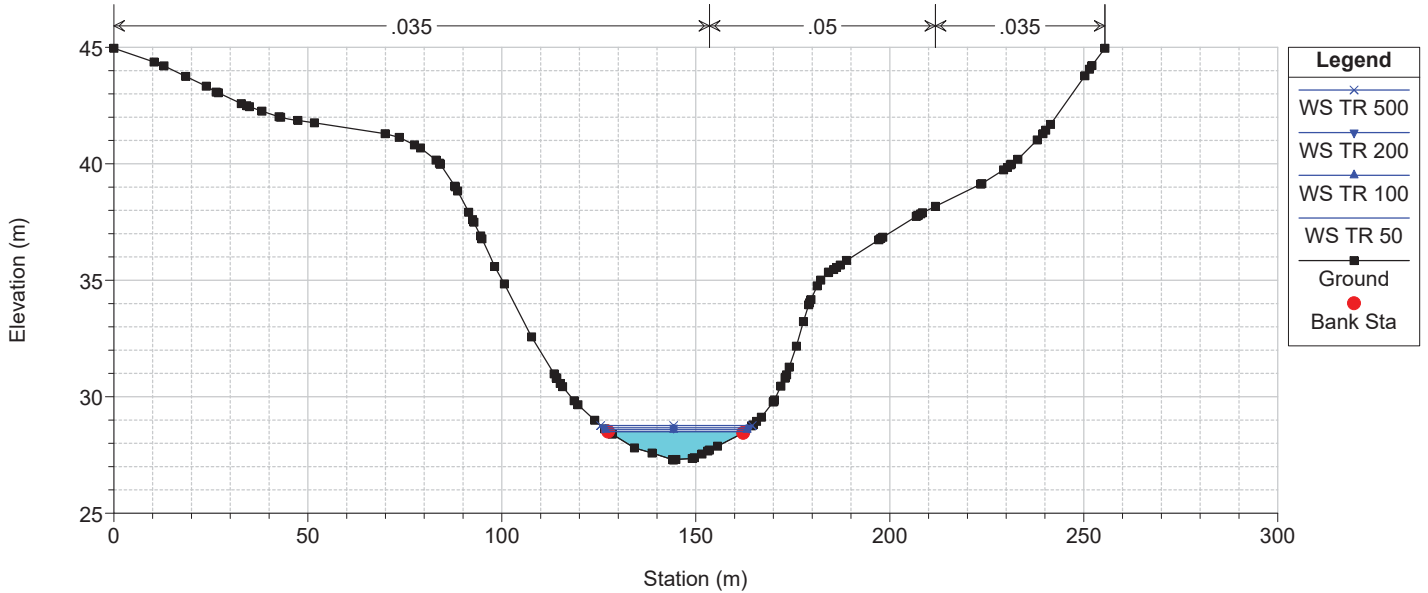
River = Riu_Correbuffas Reach = C32 RS = 979.5616 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

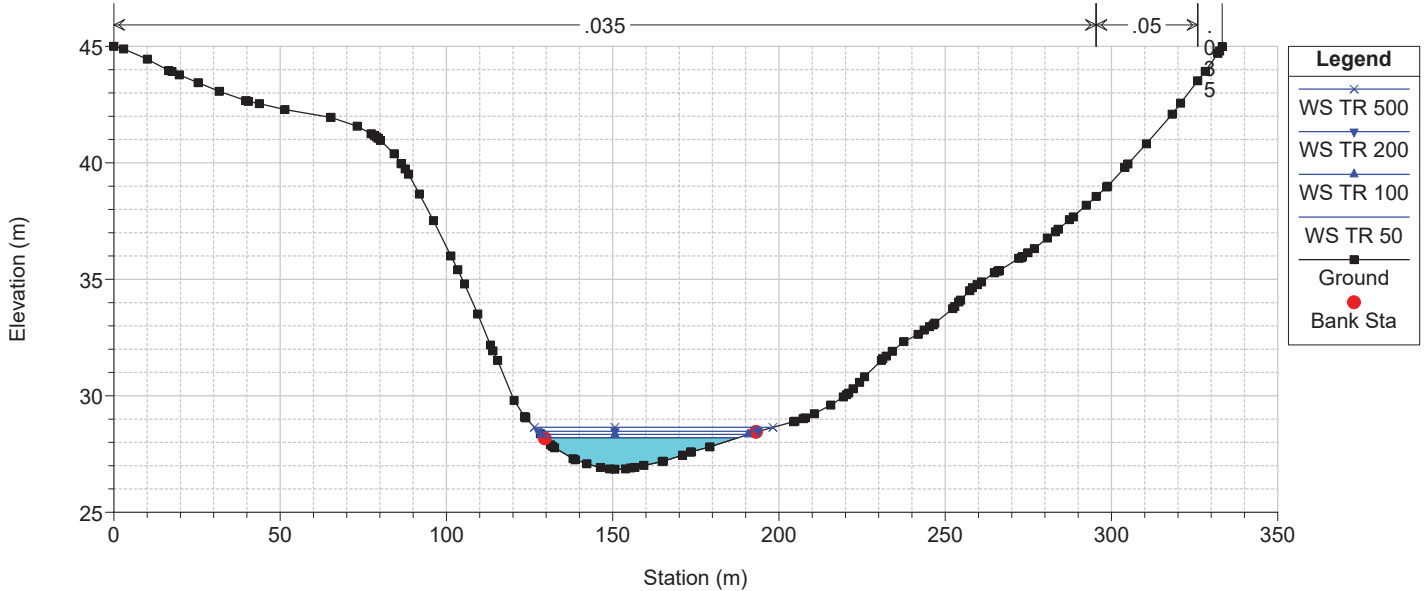
River = Riu_Correbuffas Reach = C32 RS = 944.2813 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

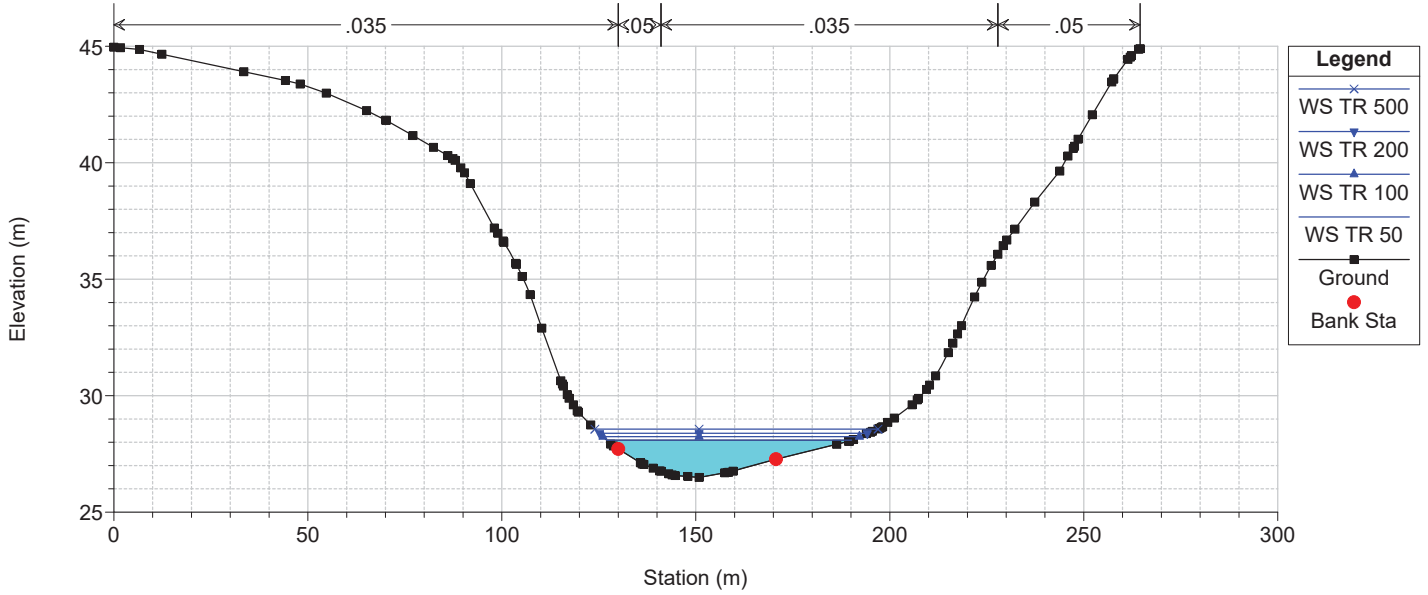
River = Riu_Correbuffas Reach = C32 RS = 909.3071 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

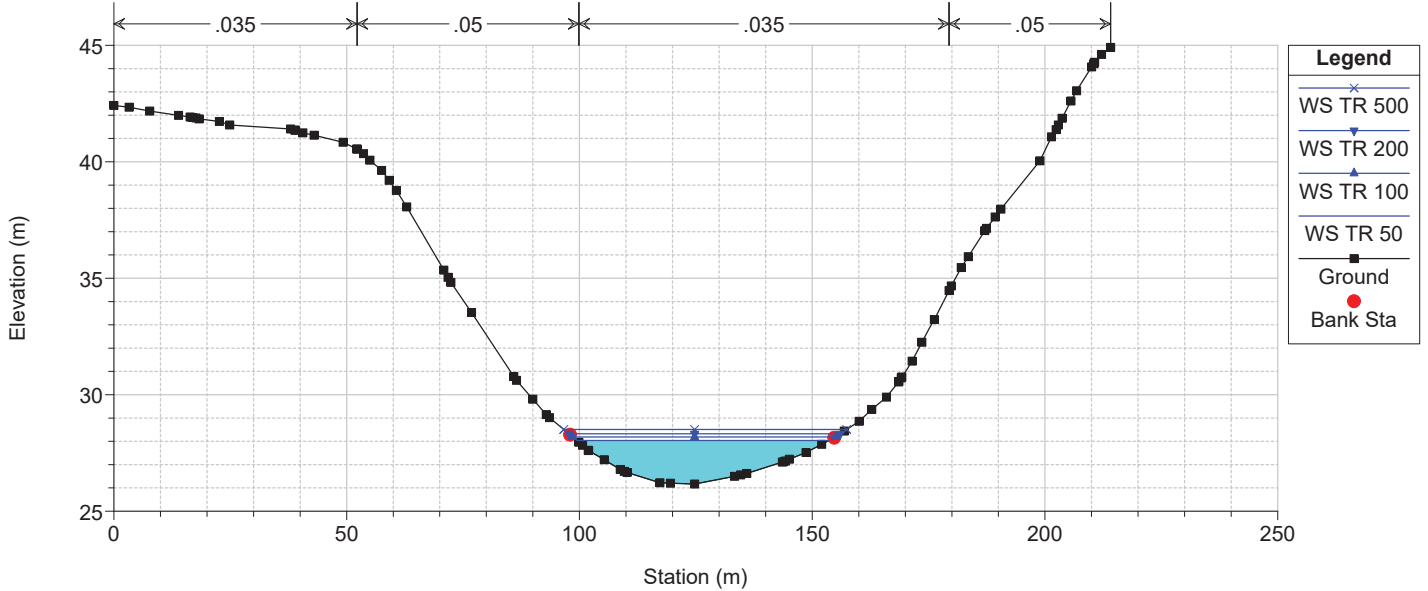
River = Riu_Correbuffas Reach = C32 RS = 874.1185 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

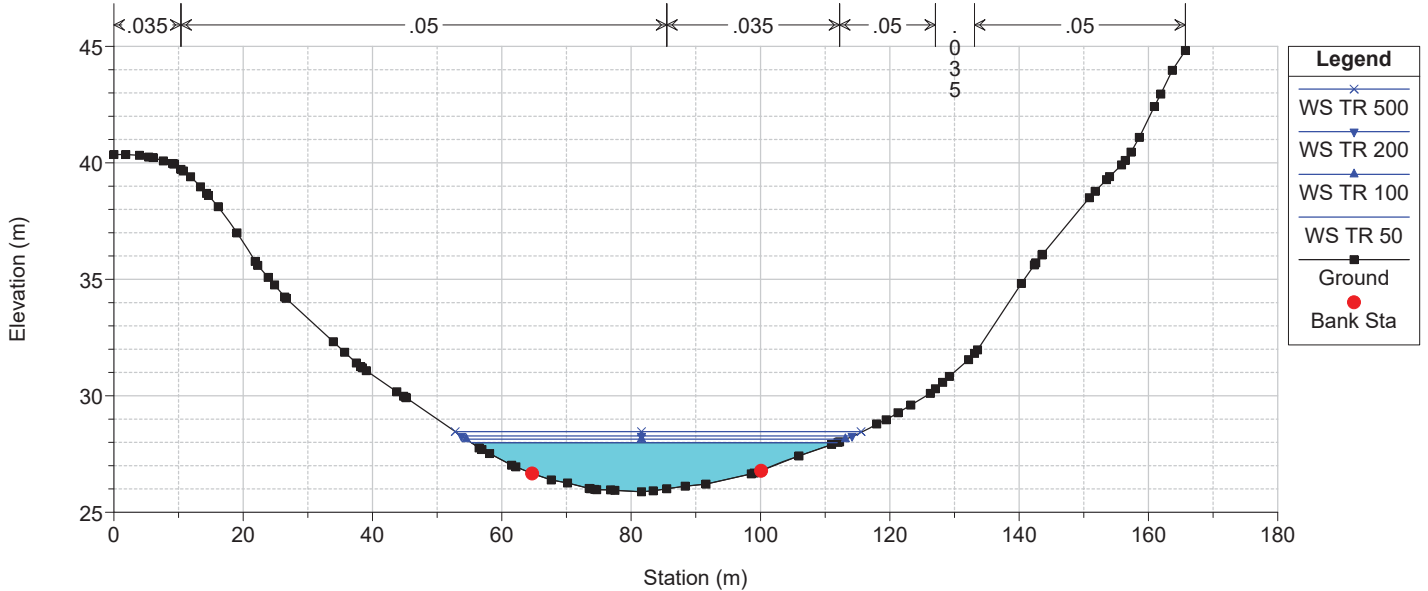
River = Riu_Correbuffas Reach = C32 RS = 839.2813 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

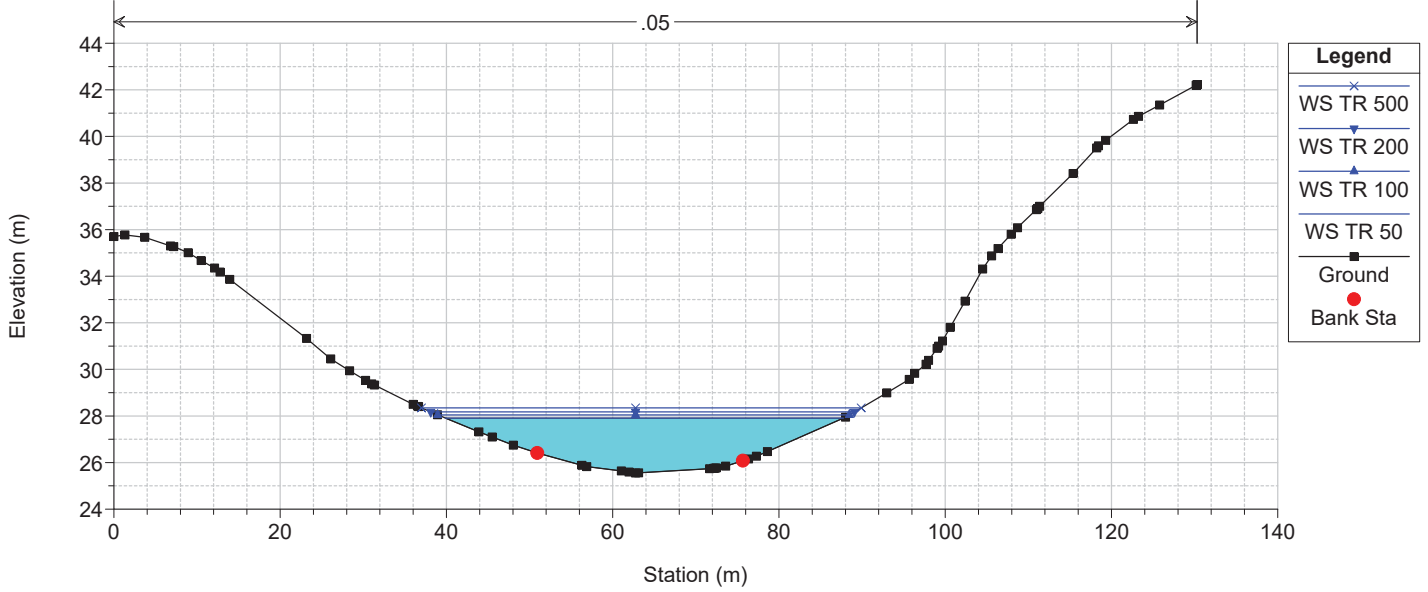
River = Riu_Correbuffas Reach = C32 RS = 804.2813 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

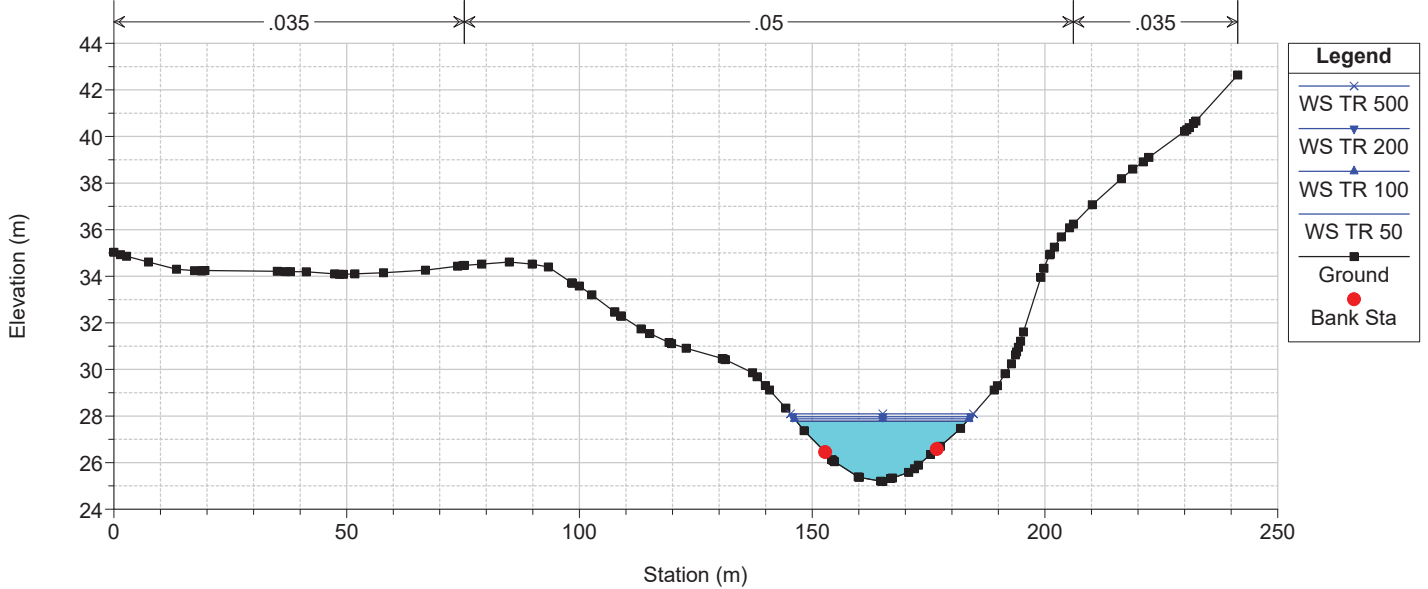
River = Riu_Correbuffas Reach = C32 RS = 769.2812 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

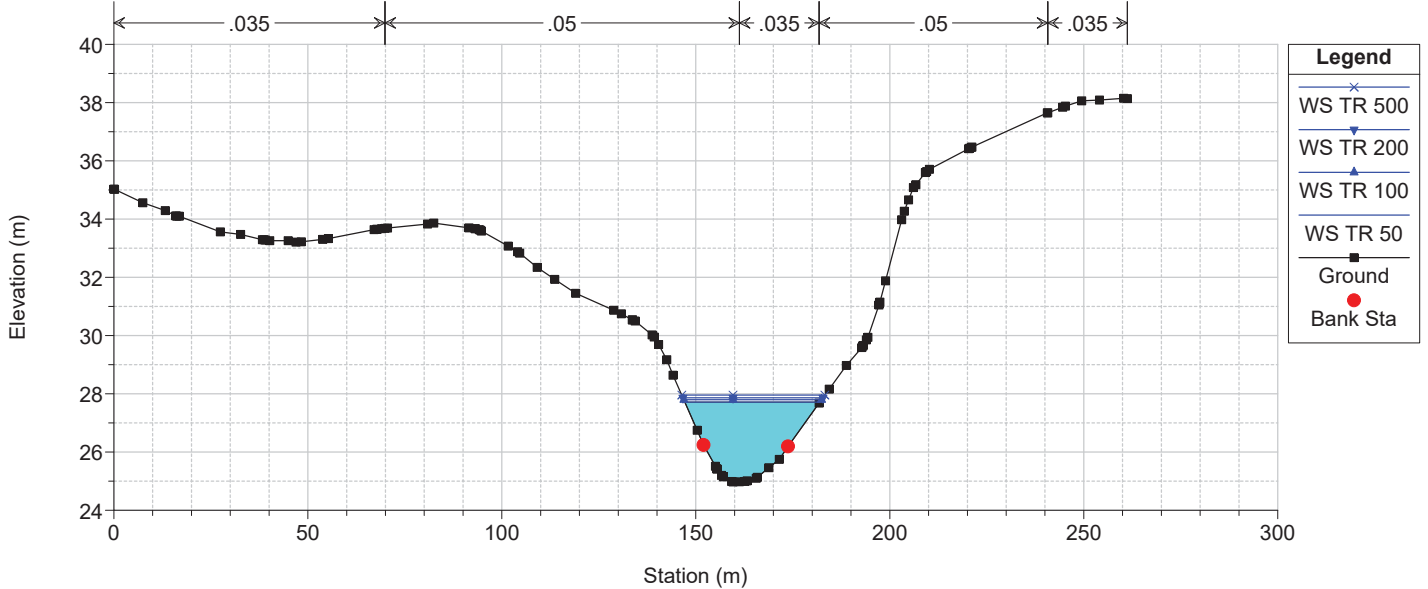
River = Riu_Correbuffas Reach = C32 RS = 734.2813 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

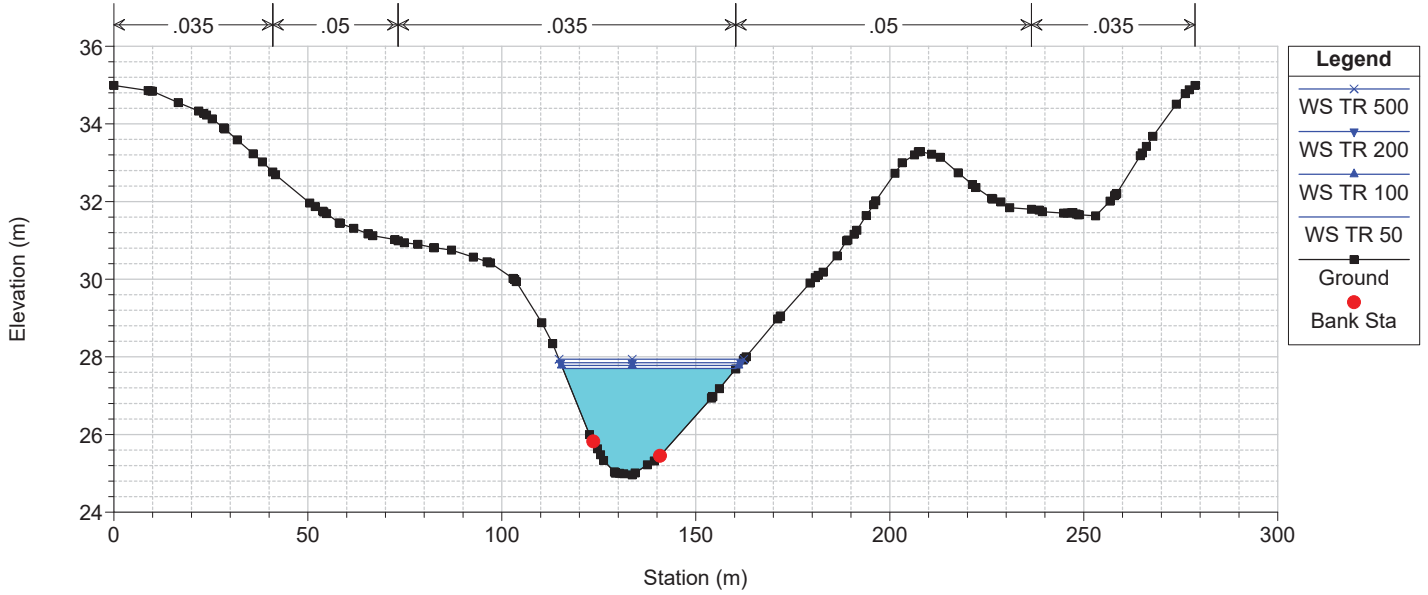
River = Riu_Correbuffas Reach = C32 RS = 699.2813 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

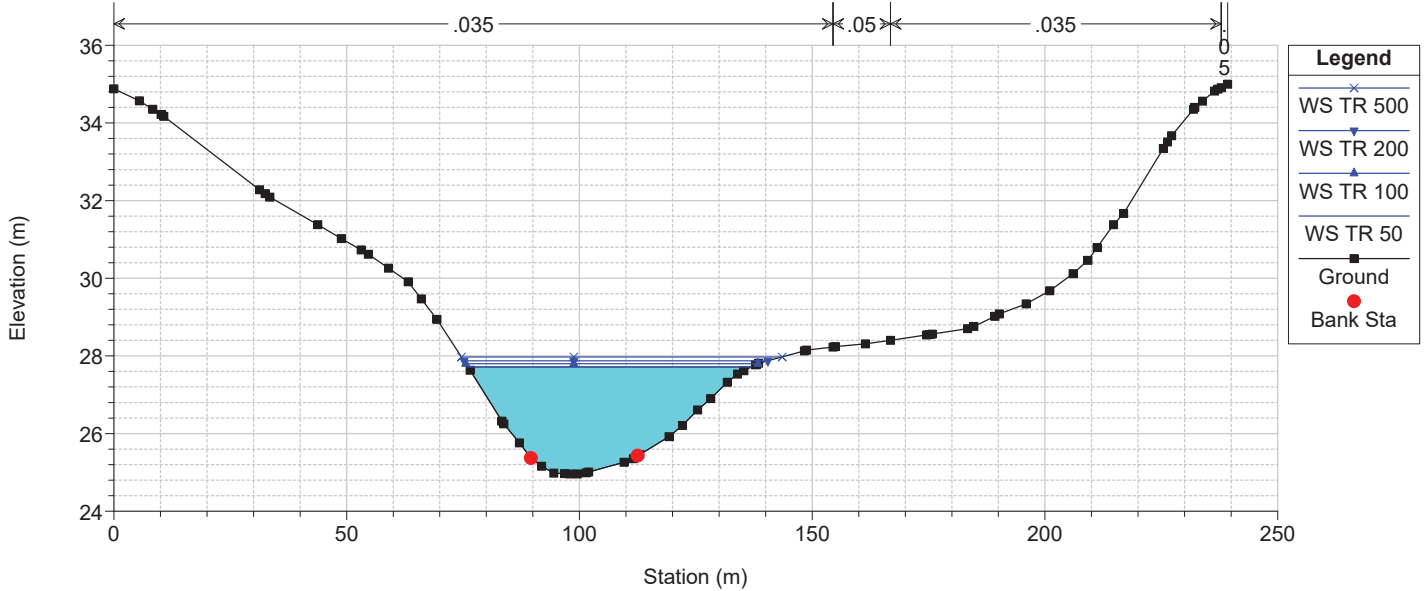
River = Riu_Correbuffas Reach = C32 RS = 663.8369 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

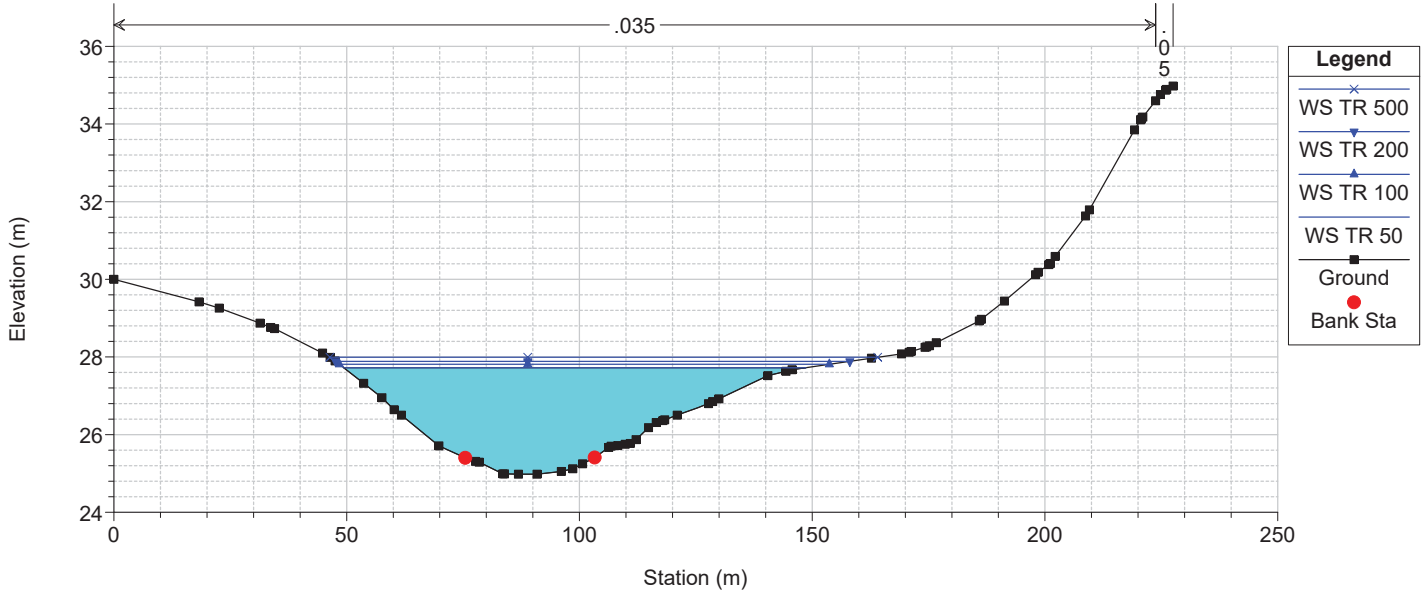
River = Riu_Correbuffas Reach = C32 RS = 629.2813 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

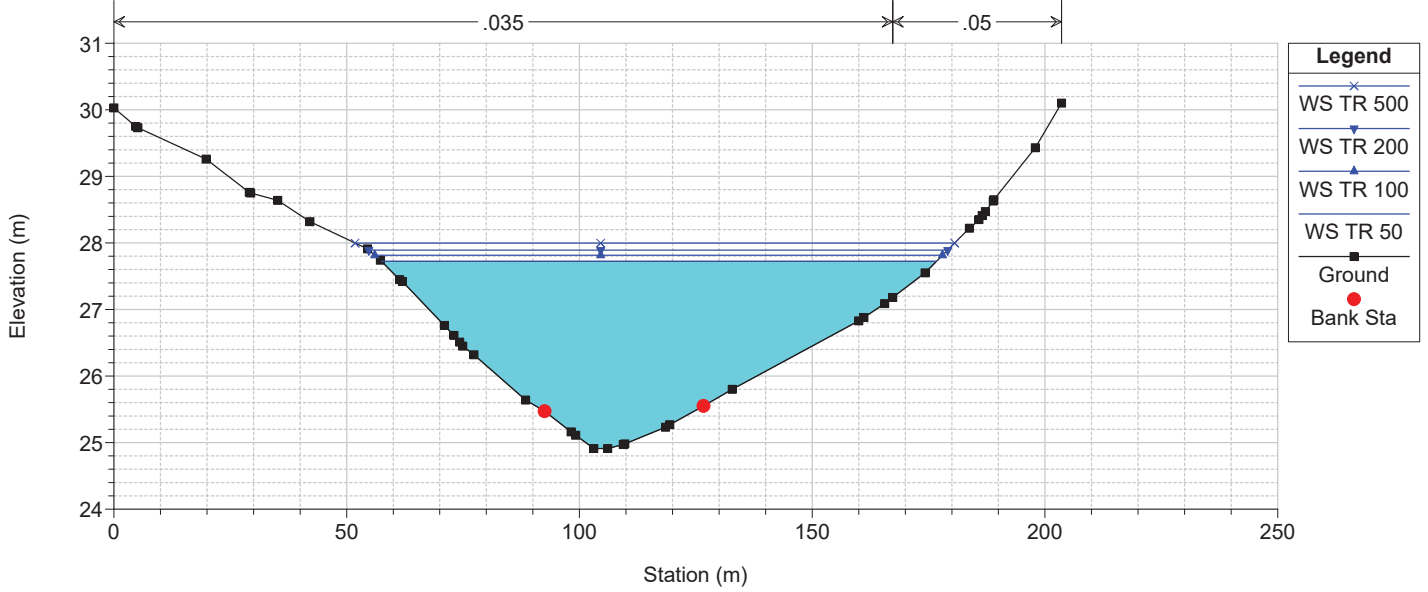
River = Riu_Correbuffas Reach = C32 RS = 594.2813 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

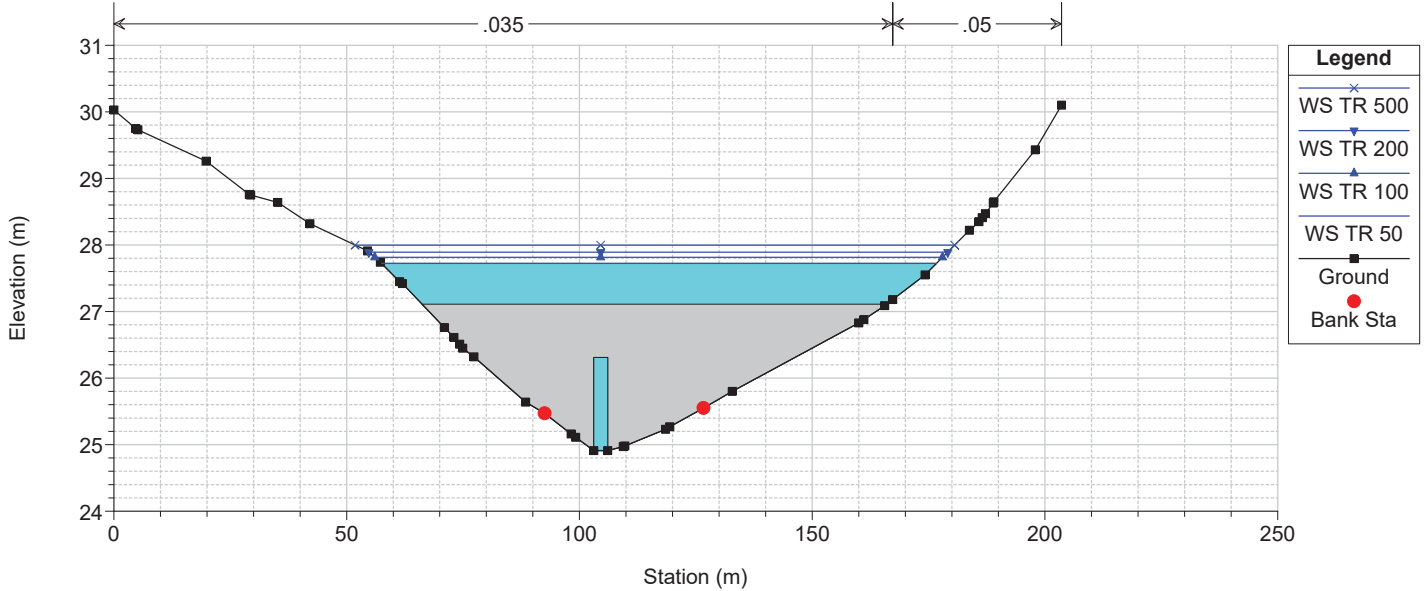
River = Riu_Correbuffas Reach = C32 RS = 568.5109 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

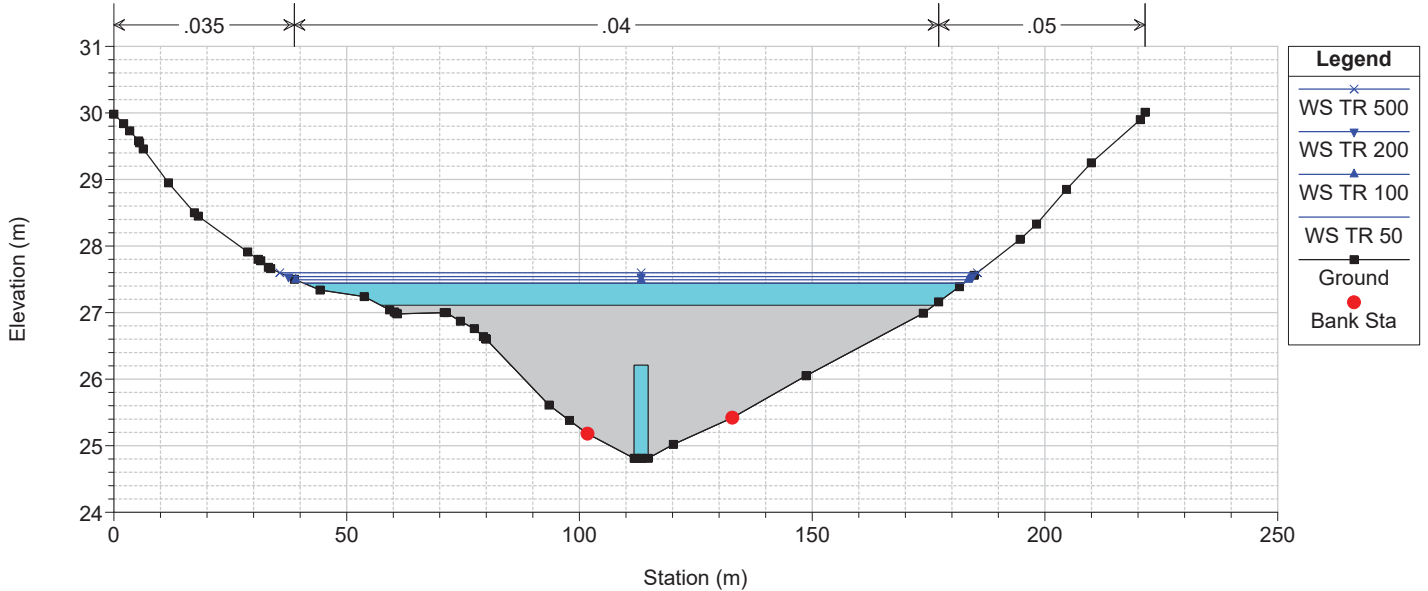
River = Riu_Correbuffas Reach = C32 RS = 559.4641 Culv C32 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

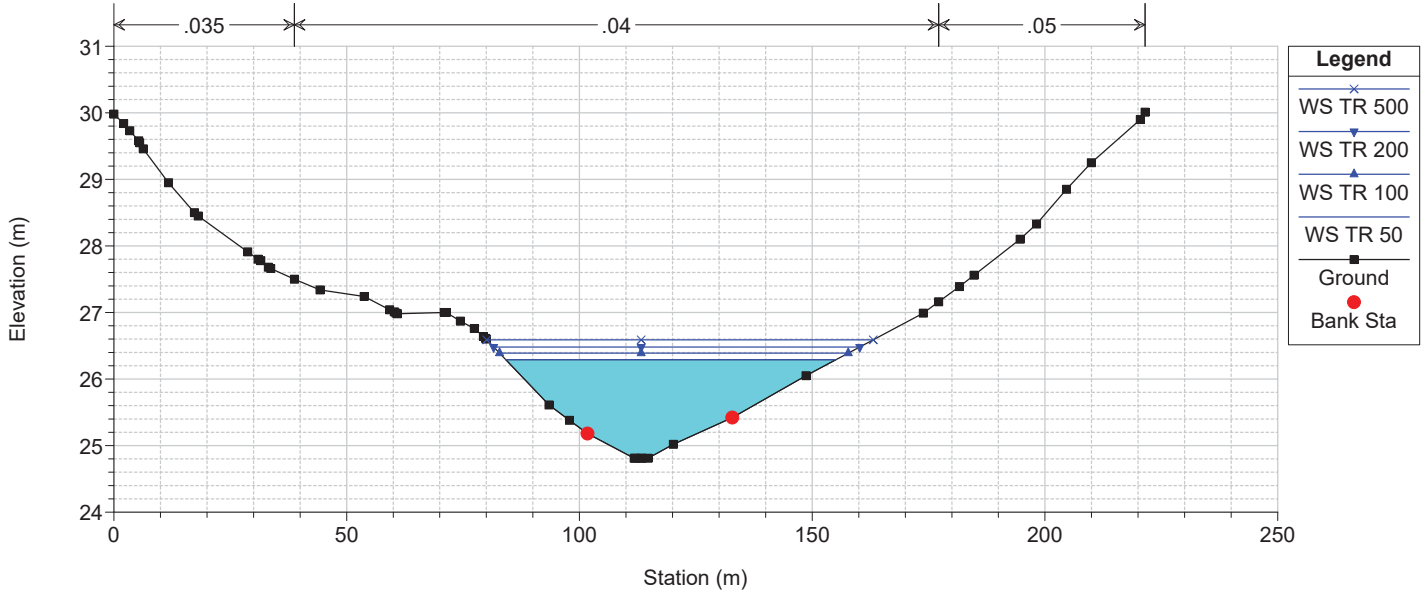
River = Riu_Correbuffas Reach = C32 RS = 559.4641 Culv C32 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

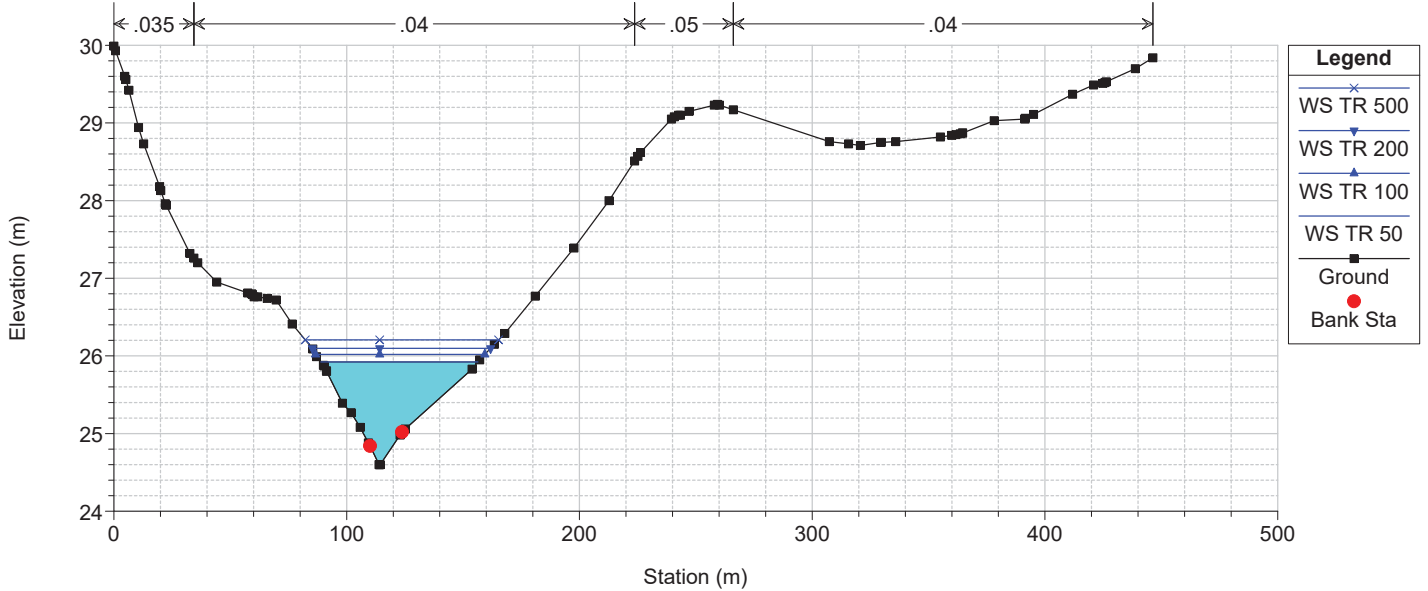
River = Riu_Correbuffas Reach = C32 RS = 552.7109 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

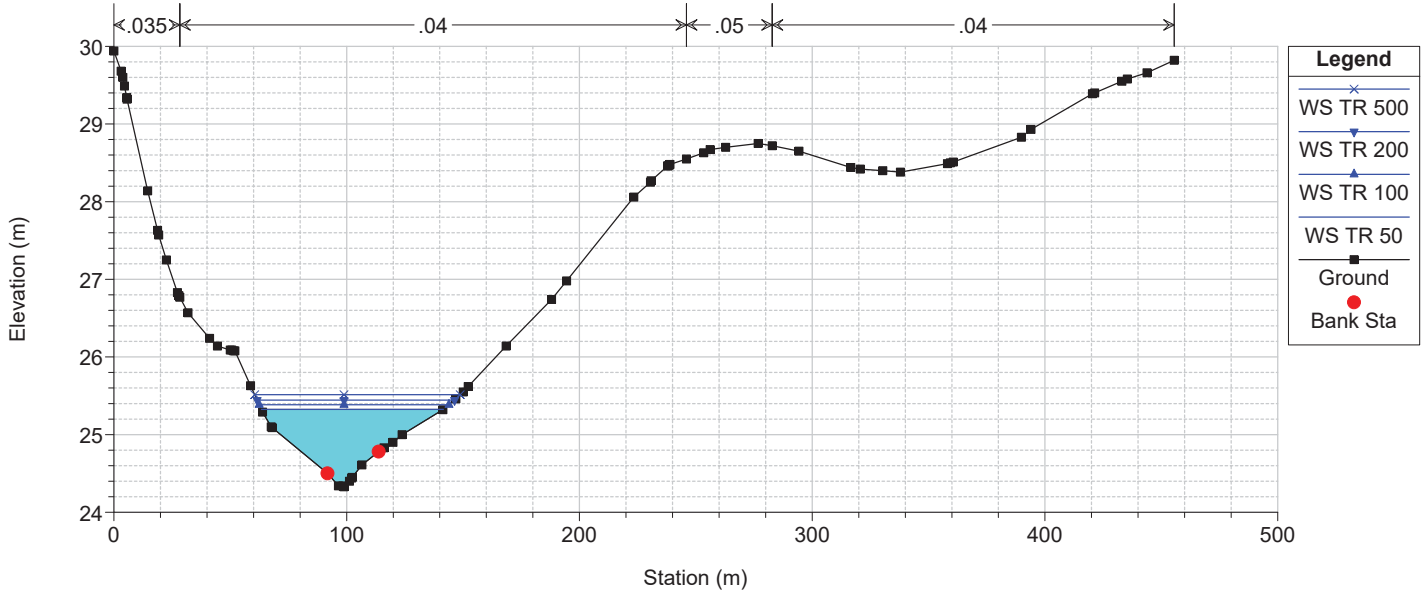
River = Riu_Correbuffas Reach = C32 RS = 524.2813 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

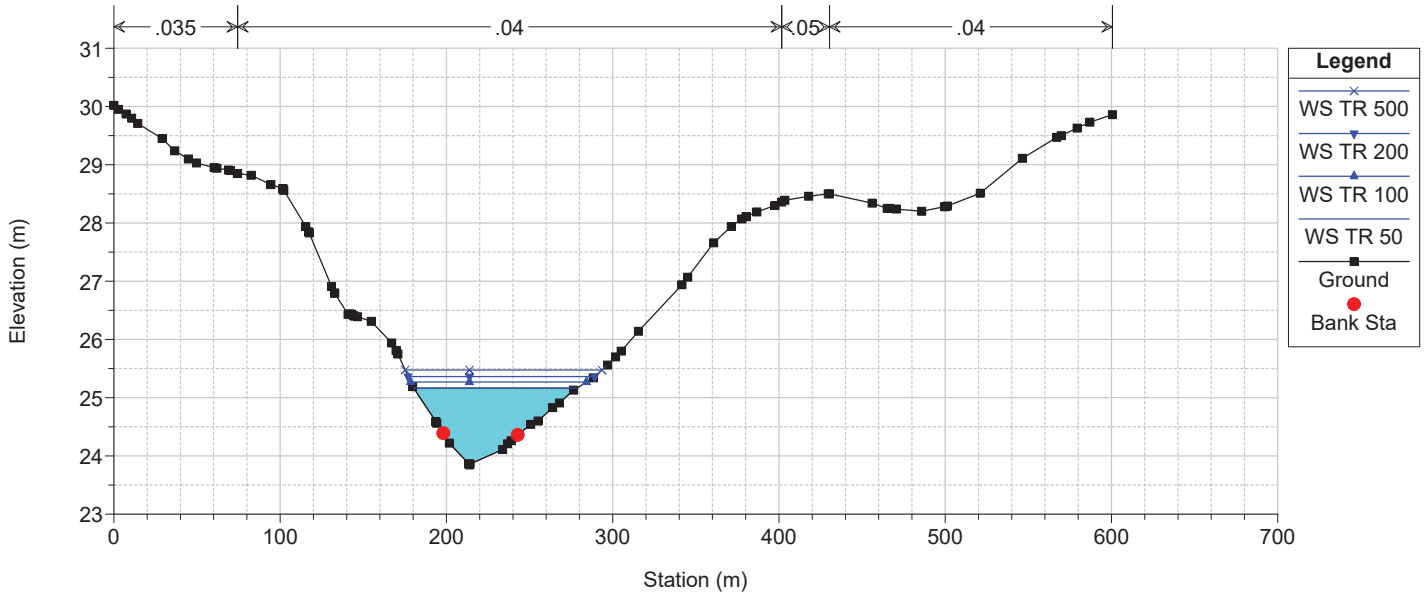
River = Riu_Correbuffas Reach = C32 RS = 489.2814 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

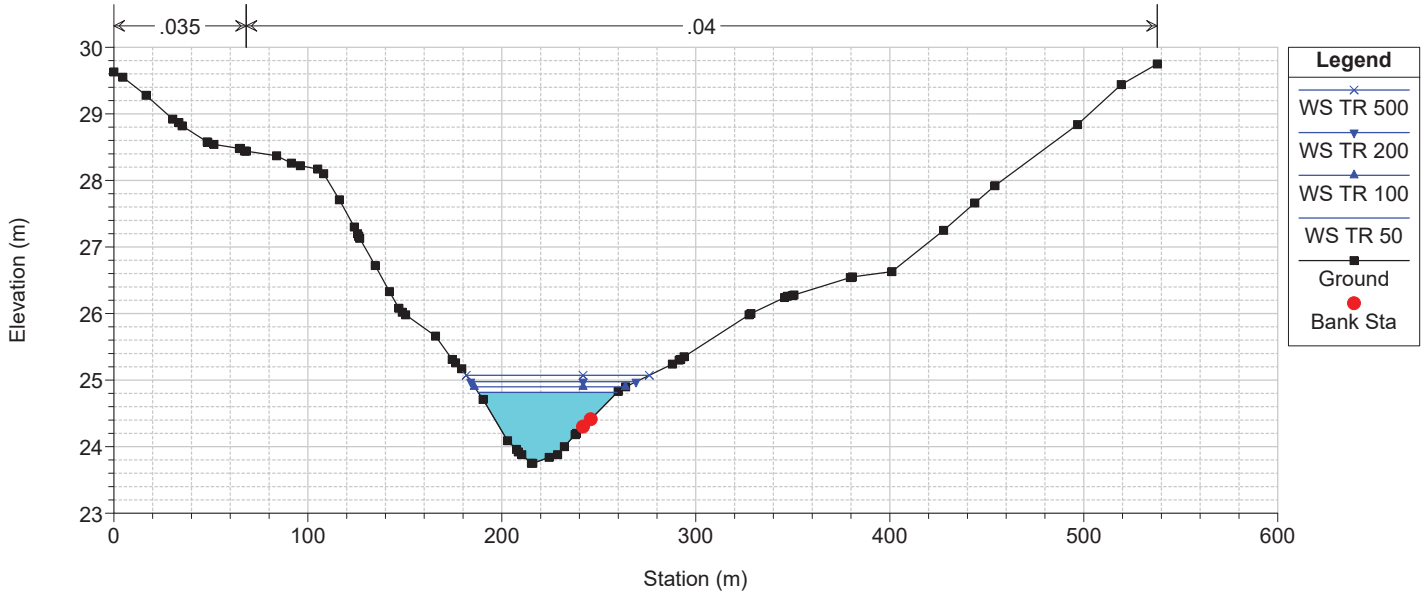
River = Riu_Correbuffas Reach = C32 RS = 454.2813 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

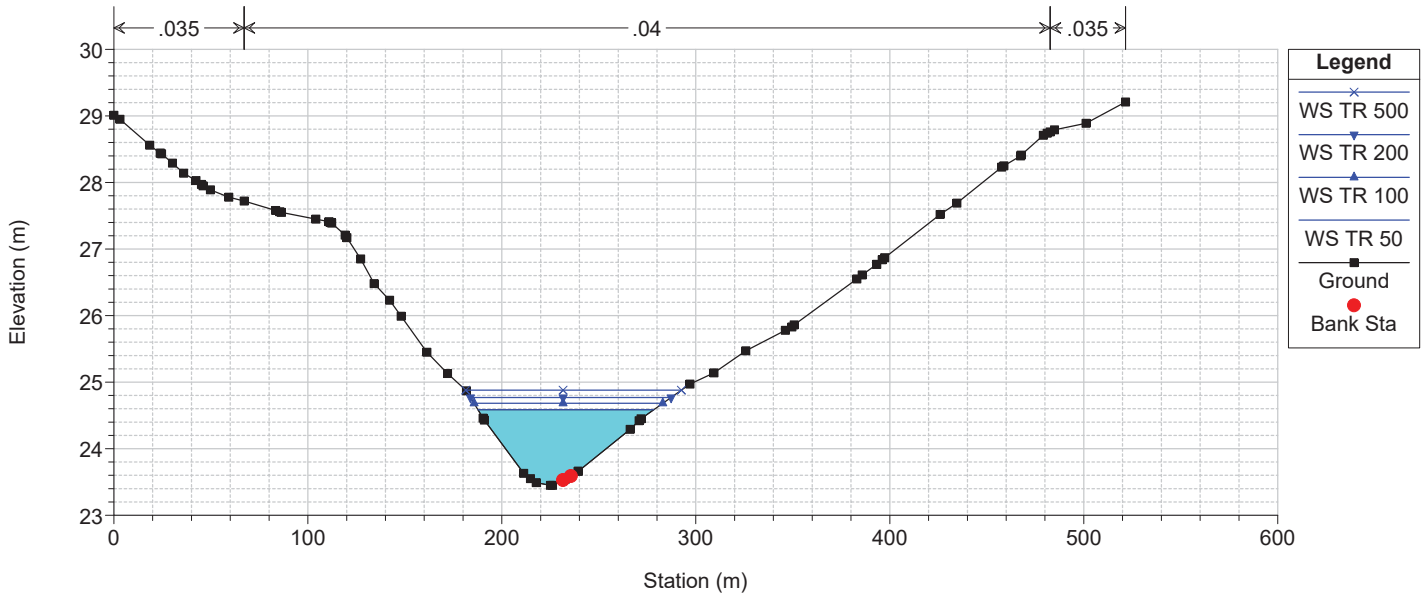
River = Riu_Correbuffas Reach = C32 RS = 419.5285 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

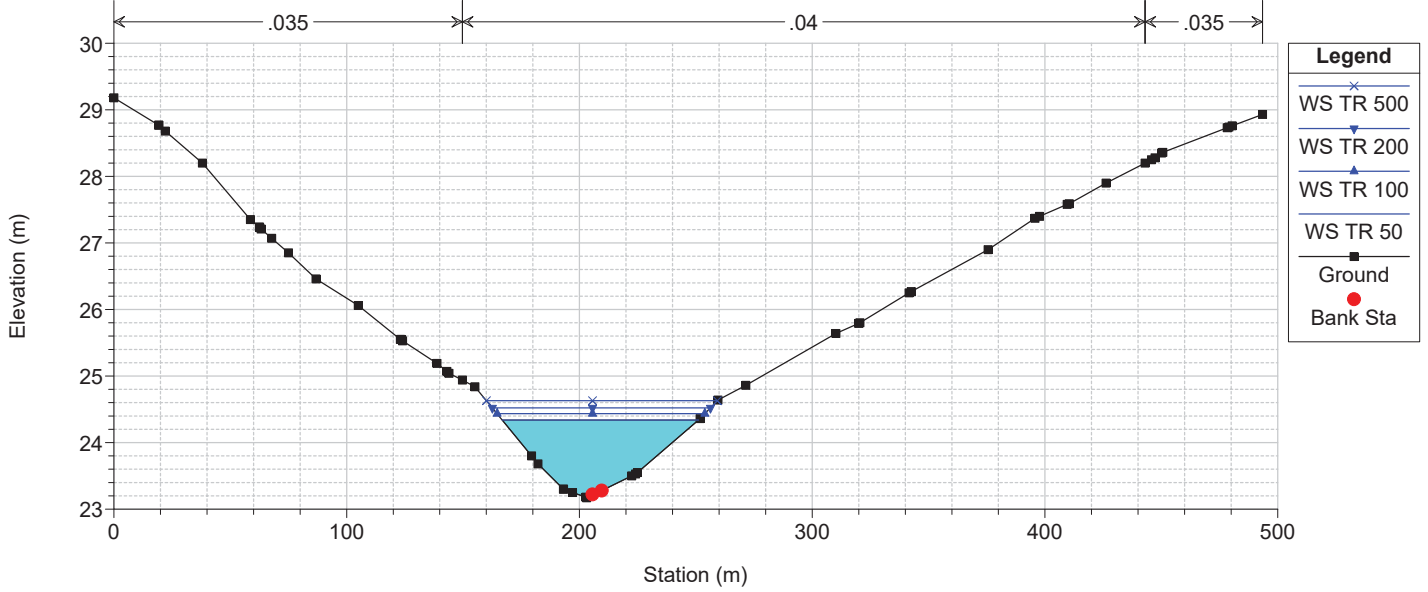
River = Riu_Correbuffas Reach = C32 RS = 384.6078 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

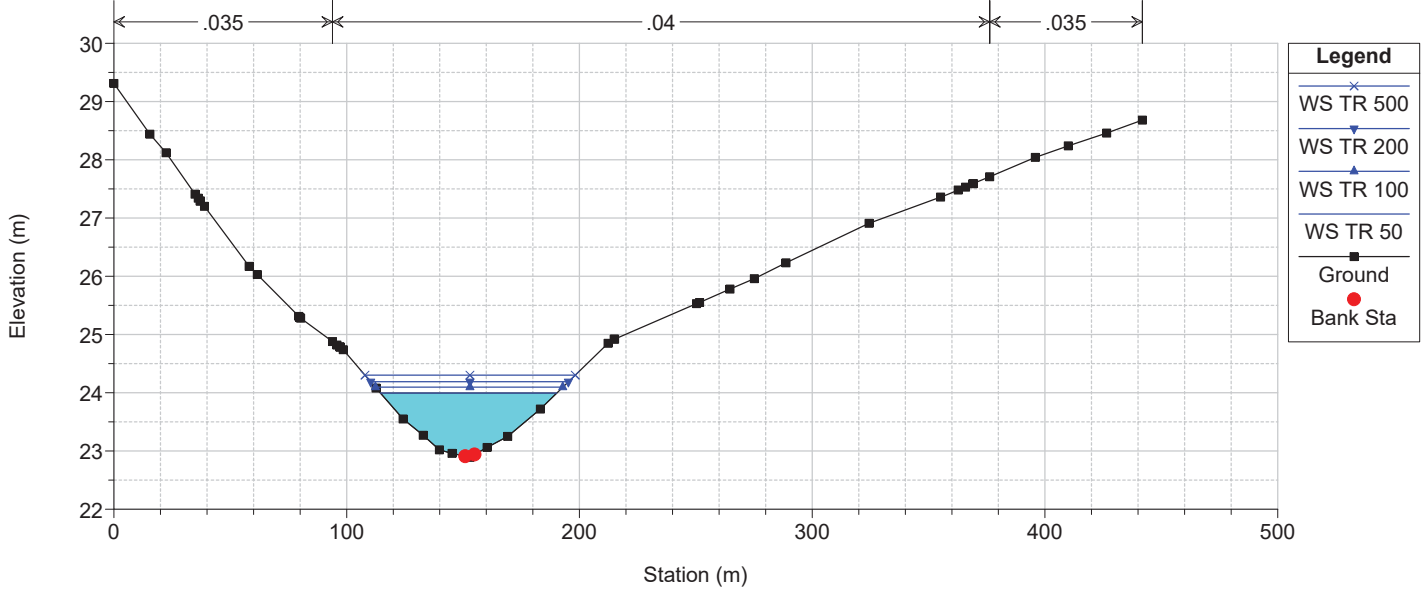
River = Riu_Correbuffas Reach = C32 RS = 349.7648 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

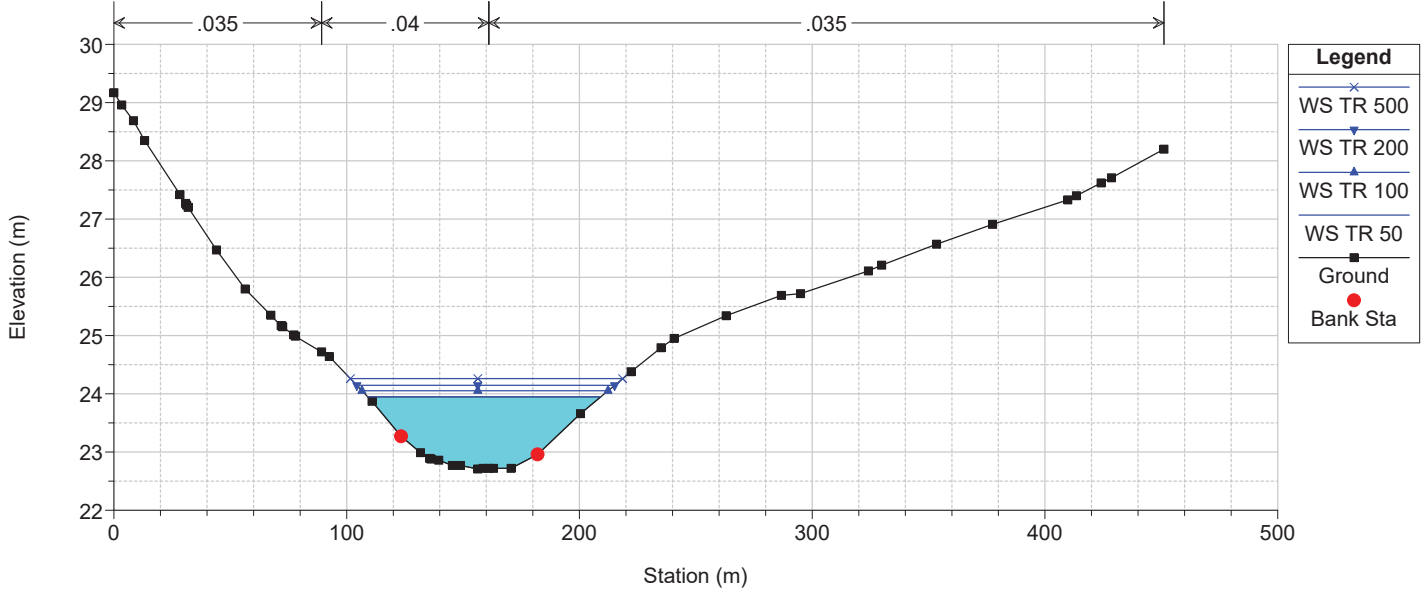
River = Riu_Correbuffas Reach = C32 RS = 313.6835 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

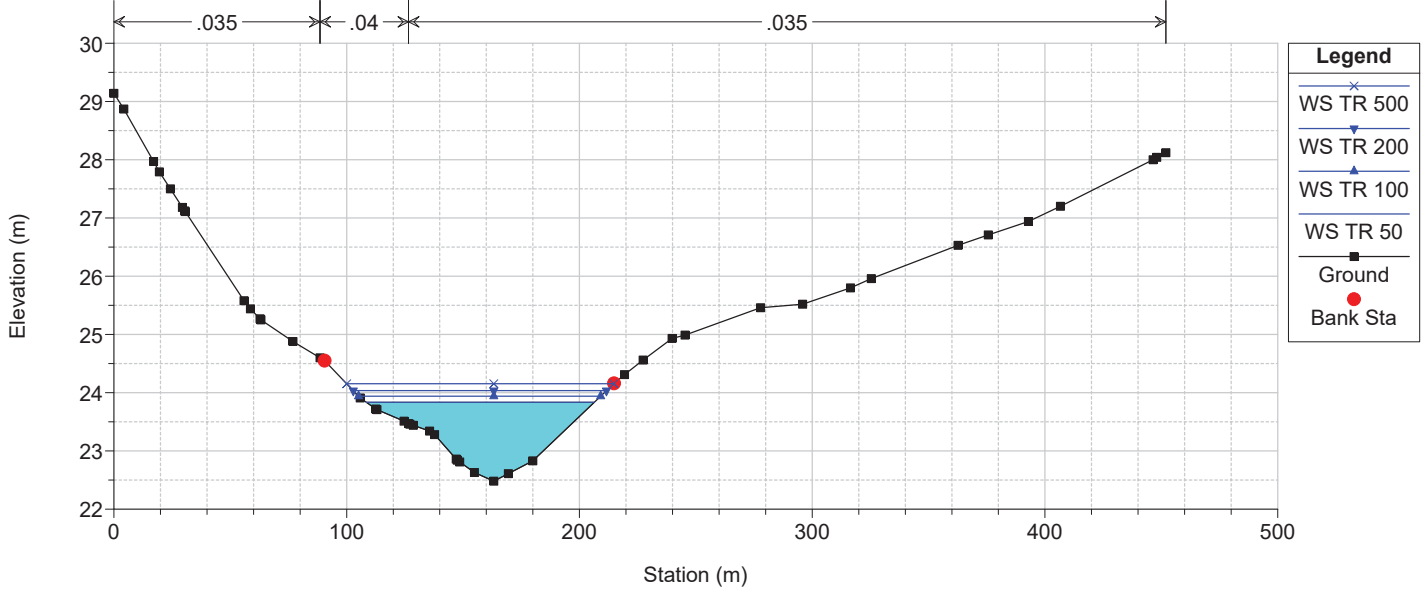
River = Riu_Correbuffas Reach = C32 RS = 279.2813 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

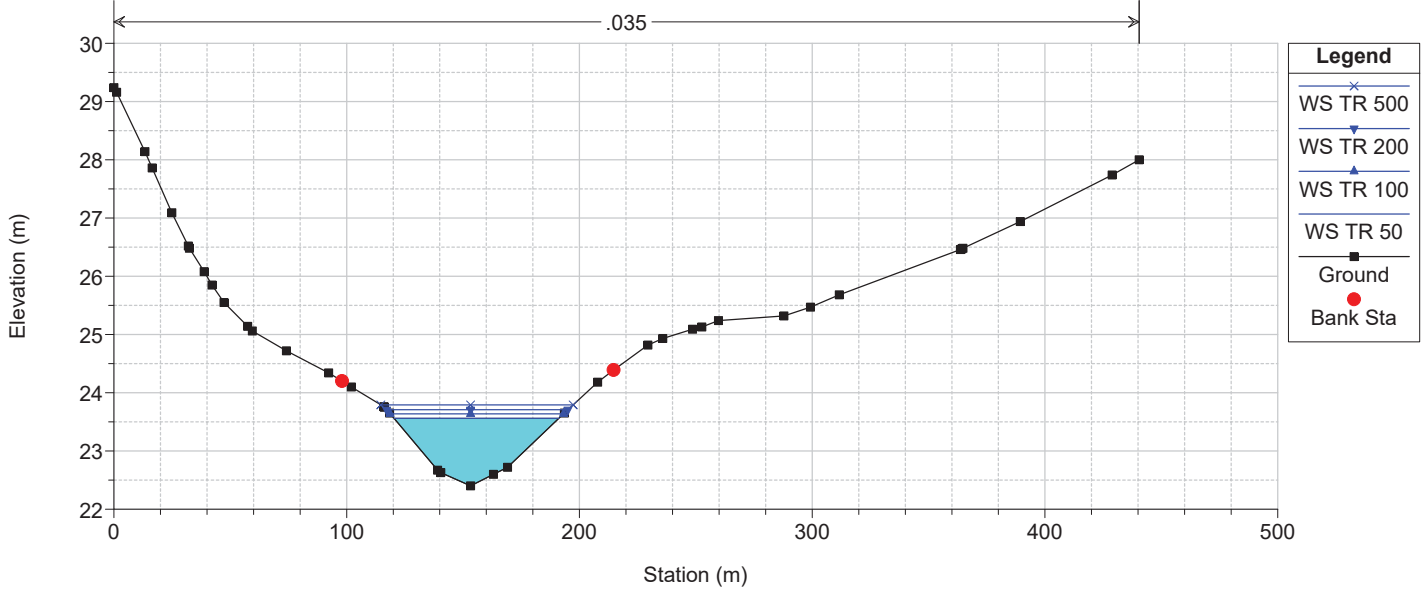
River = Riu_Correbuffas Reach = C32 RS = 244.2813 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

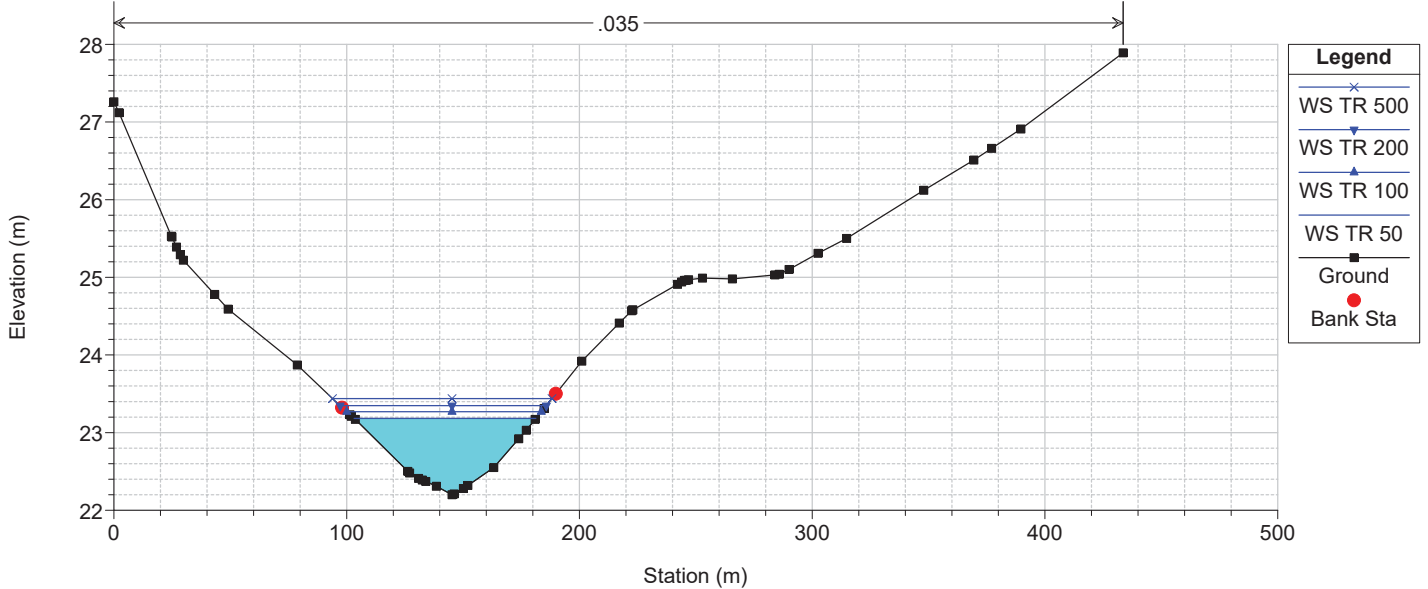
River = Riu_Correbuffas Reach = C32 RS = 209.8022 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

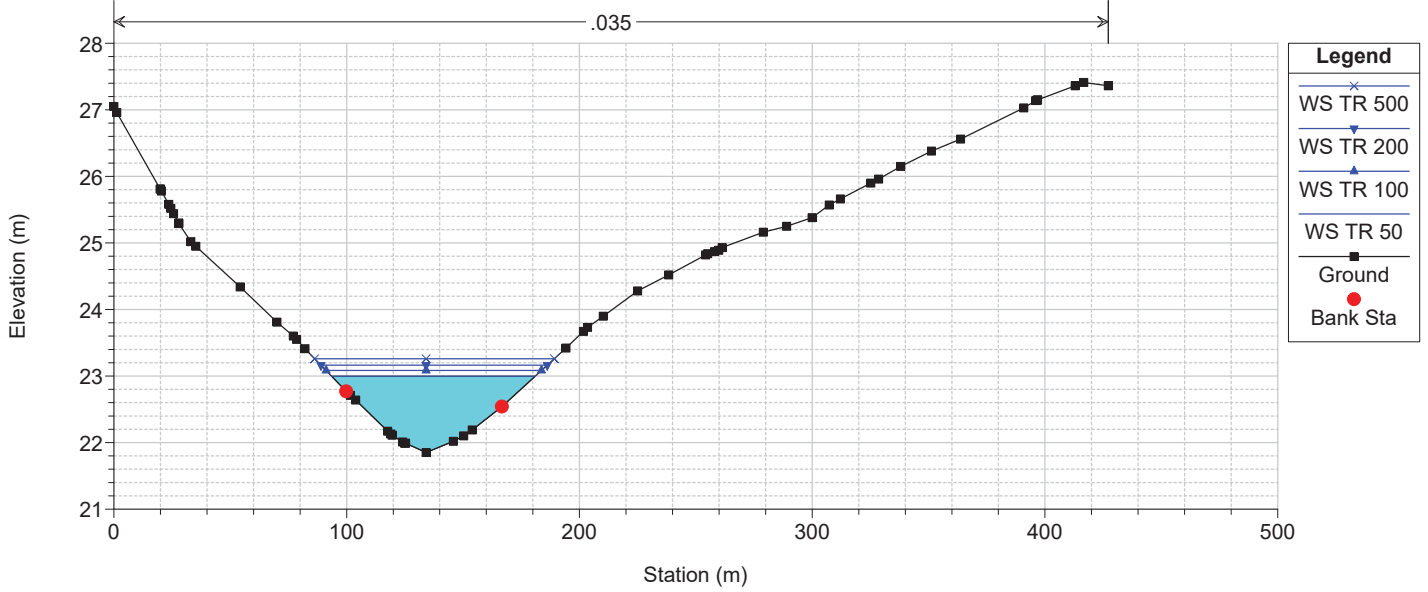
River = Riu_Correbuffas Reach = C32 RS = 174.2814 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

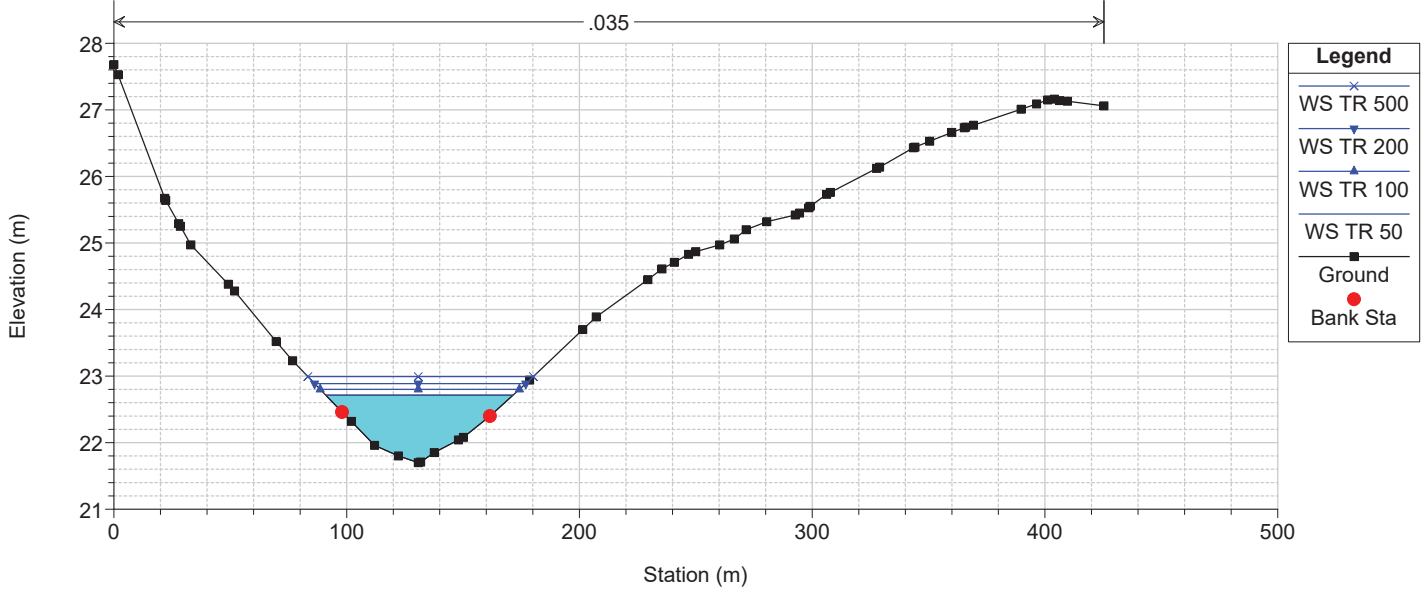
River = Riu_Correbuffas Reach = C32 RS = 139.2813 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

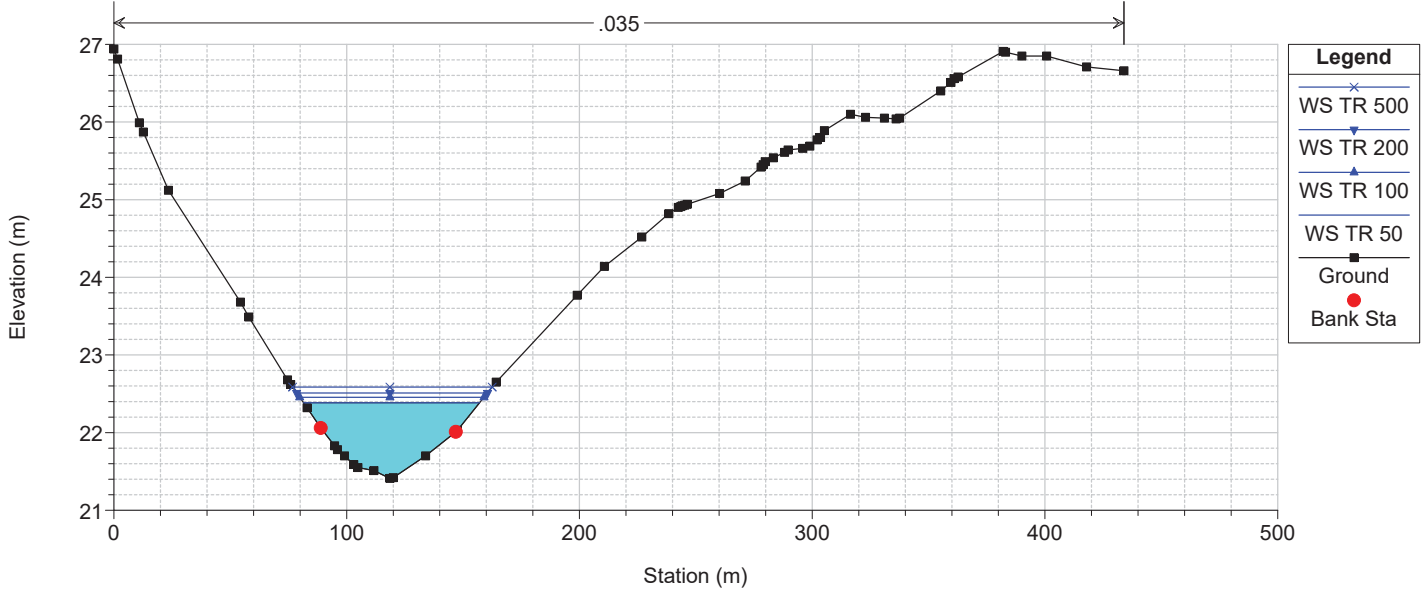
River = Riu_Correbuffas Reach = C32 RS = 104.2813 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

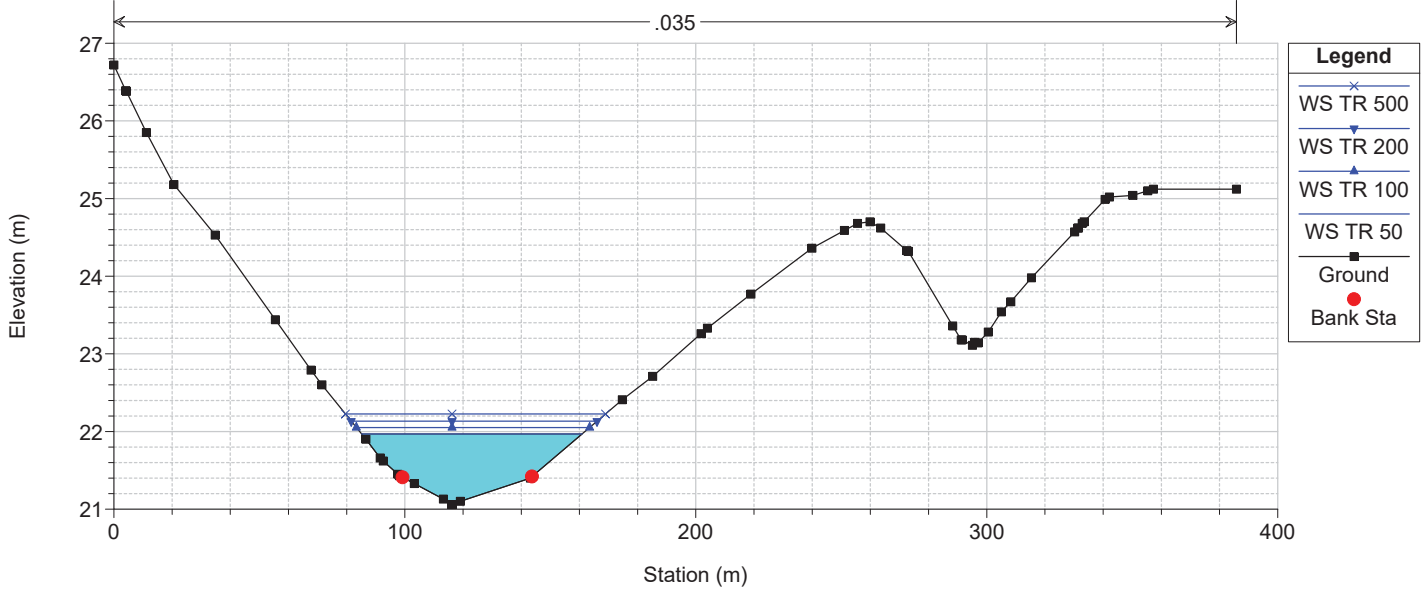
River = Riu_Correbuffas Reach = C32 RS = 69.38227 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

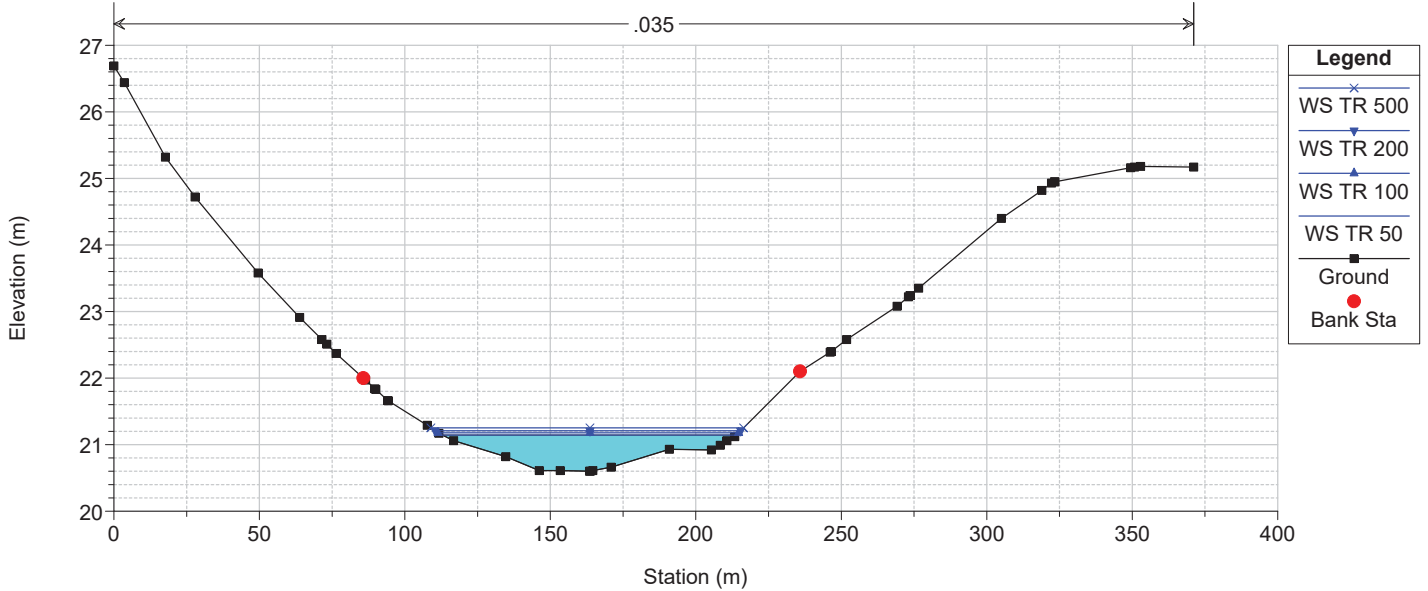
River = Riu_Correbuffas Reach = C32 RS = 34.23079 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Riu_Correbuffas Plan: Plan 01 3/8/2021

Geom: Riu_Correbuffas Flow: Riu_Correbuffas

River = Riu_Correbuffas Reach = C32 RS = 0 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



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
C32	4964.035	TR 50	46.98	81.31	82.71	82.71	83.15	0.083945	2.99	16.78	20.39	0.93
C32	4964.035	TR 100	56.32	81.31	82.83	82.83	83.31	0.080563	3.15	19.36	21.64	0.93
C32	4964.035	TR 200	65.85	81.31	82.95	82.95	83.46	0.075859	3.27	22.12	22.90	0.91
C32	4964.035	TR 500	78.76	81.31	83.10	83.10	83.65	0.073430	3.45	25.47	24.34	0.92
C32	4934.875	TR 50	46.98	79.16	80.46	80.15	80.65	0.033766	1.90	25.02	25.44	0.59
C32	4934.875	TR 100	56.32	79.16	80.56	80.25	80.78	0.035877	2.08	27.55	25.98	0.62
C32	4934.875	TR 200	65.85	79.16	80.65	80.35	80.90	0.038725	2.26	29.71	26.37	0.65
C32	4934.875	TR 500	78.76	79.16	80.74	80.47	81.05	0.043213	2.50	32.17	26.73	0.69
C32	4900.216	TR 50	46.98	78.24	79.29		79.41	0.036261	1.59	30.91	64.48	0.58
C32	4900.216	TR 100	56.32	78.24	79.36		79.50	0.036633	1.69	35.44	68.64	0.59
C32	4900.216	TR 200	65.85	78.24	79.42		79.57	0.036190	1.77	39.84	72.10	0.60
C32	4900.216	TR 500	78.76	78.24	79.49		79.65	0.035110	1.84	45.43	74.97	0.59
C32	4865.183	TR 50	46.98	77.38	78.48		78.60	0.016288	1.51	31.05	43.91	0.57
C32	4865.183	TR 100	56.32	77.38	78.59		78.71	0.014915	1.57	35.99	46.53	0.57
C32	4865.183	TR 200	65.85	77.38	78.69		78.82	0.013862	1.61	40.80	48.76	0.56
C32	4865.183	TR 500	78.76	77.38	78.82		78.96	0.012586	1.66	47.34	51.56	0.55
C32	4830.244	TR 50	46.98	76.25	77.85	77.40	77.98	0.019335	1.67	31.56	32.86	0.46
C32	4830.244	TR 100	56.32	76.25	77.97	77.51	78.11	0.019710	1.79	35.68	34.40	0.48
C32	4830.244	TR 200	65.85	76.25	78.08	77.61	78.24	0.020068	1.90	39.62	35.70	0.49
C32	4830.244	TR 500	78.76	76.25	78.22	77.73	78.40	0.020532	2.03	44.66	37.29	0.50
C32	4795.244	TR 50	46.98	75.20	76.25	76.25	76.60	0.113235	2.61	17.97	26.14	1.01
C32	4795.244	TR 100	56.32	75.20	76.35	76.35	76.73	0.109957	2.73	20.62	27.45	1.01
C32	4795.244	TR 200	65.85	75.20	76.44	76.44	76.85	0.106475	2.86	23.07	28.46	1.01
C32	4795.244	TR 500	78.76	75.20	76.55	76.55	77.01	0.101709	3.00	26.35	29.72	1.00
C32	4760.244	TR 50	46.98	74.29	75.05	75.07	75.34	0.017258	2.37	19.84	40.38	1.08
C32	4760.244	TR 100	56.32	74.29	75.10	75.15	75.44	0.017935	2.56	22.00	41.43	1.11
C32	4760.244	TR 200	65.85	74.29	75.15	75.21	75.54	0.018951	2.76	23.91	42.32	1.16
C32	4760.244	TR 500	78.76	74.29	75.21	75.30	75.67	0.020012	3.00	26.41	43.66	1.20
C32	4726.333	TR 50	46.98	73.77	74.55	74.46	74.70	0.007619	1.70	28.48	58.36	0.73
C32	4726.333	TR 100	56.32	73.77	74.62	74.52	74.78	0.007458	1.80	32.42	60.74	0.74
C32	4726.333	TR 200	65.85	73.77	74.68	74.57	74.86	0.007398	1.90	36.16	62.92	0.75
C32	4726.333	TR 500	78.76	73.77	74.76	74.65	74.95	0.007338	2.01	41.02	65.52	0.75
C32	4690.354	TR 50	46.98	73.36	74.25		74.40	0.008822	1.75	26.91	51.57	0.77
C32	4690.354	TR 100	56.32	73.36	74.32		74.49	0.008800	1.84	30.54	54.44	0.79
C32	4690.354	TR 200	65.85	73.36	74.38		74.57	0.008575	1.91	34.42	57.35	0.79
C32	4690.354	TR 500	78.76	73.36	74.47		74.67	0.008329	1.99	39.54	61.03	0.79
C32	4654.96	TR 50	46.98	72.91	73.73	73.73	73.99	0.015459	2.24	20.94	41.68	1.01
C32	4654.96	TR 100	56.32	72.91	73.81	73.81	74.08	0.014697	2.32	24.26	44.16	1.00
C32	4654.96	TR 200	65.85	72.91	73.87	73.87	74.17	0.014578	2.42	27.21	46.26	1.01
C32	4654.96	TR 500	78.76	72.91	73.95	73.95	74.28	0.014216	2.54	31.01	48.90	1.01
C32	4620.053	TR 50	46.98	72.31	73.05	73.10	73.34	0.022334	2.41	19.48	45.85	1.18
C32	4620.053	TR 100	56.32	72.31	73.10	73.17	73.43	0.023229	2.57	21.89	48.49	1.22
C32	4620.053	TR 200	65.85	72.31	73.14	73.23	73.52	0.023935	2.73	24.12	50.82	1.27
C32	4620.053	TR 500	78.76	72.31	73.19	73.30	73.63	0.025196	2.93	26.86	53.55	1.32
C32	4585.279	TR 50	46.98	71.60	72.20	72.27	72.50	0.026103	2.43	19.32	50.53	1.26
C32	4585.279	TR 100	56.32	71.60	72.25	72.33	72.59	0.025549	2.55	22.12	53.13	1.26
C32	4585.279	TR 200	65.85	71.60	72.31	72.39	72.66	0.025086	2.65	24.87	55.57	1.26
C32	4585.279	TR 500	78.76	71.60	72.37	72.46	72.76	0.024259	2.75	28.60	58.71	1.26
C32	4549.631	TR 50	46.98	70.03	70.60	70.72	71.01	0.076481	2.82	16.68	47.47	1.52
C32	4549.631	TR 100	56.32	70.03	70.65	70.79	71.10	0.077405	2.98	18.88	49.84	1.55
C32	4549.631	TR 200	65.85	70.03	70.69	70.84	71.19	0.078007	3.13	21.02	51.90	1.57
C32	4549.631	TR 500	78.76	70.03	70.74	70.91	71.31	0.079173	3.33	23.65	54.31	1.61
C32	4515.244	TR 50	46.98	68.95	69.93	69.93	70.10	0.018810	1.82	25.81	77.38	1.01
C32	4515.244	TR 100	56.32	68.95	70.01	69.98	70.16	0.016471	1.73	32.63	89.39	0.91
C32	4515.244	TR 200	65.85	68.95	70.08	70.03	70.22	0.015283	1.69	38.93	98.84	0.86
C32	4515.244	TR 500	78.76	68.95	70.16	70.09	70.30	0.013808	1.64	48.02	110.86	0.80
C32	4480.484	TR 50	46.98	67.84	69.12	69.14	69.40	0.025737	2.31	20.31	43.05	1.08
C32	4480.484	TR 100	56.32	67.84	69.23	69.23	69.48	0.022794	2.25	24.98	48.36	1.00
C32	4480.484	TR 200	65.85	67.84	69.29	69.29	69.57	0.023109	2.32	28.32	51.82	1.00
C32	4480.484	TR 500	78.76	67.84	69.37	69.37	69.67	0.023683	2.42	32.49	55.58	1.01
C32	4445.438	TR 50	46.98	67.03	69.30	67.98	69.31	0.000195	0.45	109.13	76.08	0.11
C32	4445.438	TR 100	56.32	67.03	69.36	68.03	69.37	0.000246	0.52	114.03	77.20	0.12
C32	4445.438	TR 200	65.85	67.03	69.43	68.09	69.45	0.000291	0.58	119.70	78.50	0.14
C32	4445.438	TR 500	78.76	67.03	69.50	68.16	69.52	0.000366	0.67	125.00	79.67	0.15
C32	4416.069	TR 50	46.98	66.92	69.29	67.72	69.30	0.000123	0.39	125.02	84.87	0.09
C32	4416.069	TR 100	56.32	66.92	69.36	67.78	69.37	0.000157	0.45	130.43	86.14	0.11
C32	4416.069	TR 200	65.85	66.92	69.43	67.85	69.44	0.000187	0.51	136.69	87.08	0.12

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
C32	4416.069	TR 500	78.76	66.92	69.49	67.92	69.51	0.000237	0.58	142.46	87.93	0.13
C32	4409.887		Culvert									
C32	4405.044	TR 50	46.98	66.55	67.38	67.38	67.63	0.027644	2.24	21.37	44.67	0.97
C32	4405.044	TR 100	56.32	66.55	67.45	67.45	67.72	0.025954	2.33	24.79	47.58	0.96
C32	4405.044	TR 200	65.85	66.55	67.52	67.52	67.81	0.024829	2.42	28.10	50.23	0.95
C32	4405.044	TR 500	78.76	66.55	67.61	67.61	67.92	0.023157	2.51	32.71	53.70	0.93
C32	4374.281	TR 50	46.98	65.30	66.20	66.32	66.66	0.034798	2.99	15.69	30.42	1.33
C32	4374.281	TR 100	56.32	65.30	66.27	66.41	66.78	0.034953	3.16	17.80	31.87	1.35
C32	4374.281	TR 200	65.85	65.30	66.34	66.48	66.89	0.034462	3.29	20.00	33.39	1.36
C32	4374.281	TR 500	78.76	65.30	66.41	66.58	67.03	0.034288	3.47	22.71	35.17	1.37
C32	4338.983	TR 50	46.98	64.95	65.97	65.62	66.06	0.003602	1.29	36.58	46.46	0.46
C32	4338.983	TR 100	56.32	64.95	66.11	65.69	66.20	0.003119	1.31	43.10	48.31	0.44
C32	4338.983	TR 200	65.85	64.95	66.24	65.75	66.33	0.002728	1.34	49.48	50.10	0.42
C32	4338.983	TR 500	78.76	64.95	66.40	65.83	66.50	0.002390	1.38	57.79	52.15	0.40
C32	4304.281	TR 50	83.22	64.29	65.69		65.88	0.005935	1.92	44.26	48.71	0.61
C32	4304.281	TR 100	100.40	64.29	65.82		66.03	0.005592	2.03	50.93	50.89	0.61
C32	4304.281	TR 200	117.91	64.29	65.95		66.17	0.005374	2.13	57.34	52.70	0.61
C32	4304.281	TR 500	141.45	64.29	66.10		66.35	0.005208	2.26	65.35	54.56	0.61
C32	4269.281	TR 50	83.22	63.93	65.56		65.71	0.003415	1.86	51.47	50.41	0.50
C32	4269.281	TR 100	100.40	63.93	65.70		65.87	0.003460	1.99	58.56	52.73	0.51
C32	4269.281	TR 200	117.91	63.93	65.82		66.01	0.003513	2.11	65.32	54.85	0.52
C32	4269.281	TR 500	141.45	63.93	65.97		66.19	0.003598	2.26	73.78	57.40	0.53
C32	4234.281	TR 50	83.22	63.77	65.06	65.06	65.47	0.015221	2.82	30.18	40.22	0.96
C32	4234.281	TR 100	100.40	63.77	65.18	65.18	65.62	0.014314	2.97	35.05	43.14	0.95
C32	4234.281	TR 200	117.91	63.77	65.29	65.29	65.77	0.013455	3.10	40.07	45.86	0.94
C32	4234.281	TR 500	141.45	63.77	65.44	65.44	65.95	0.012366	3.22	46.99	49.36	0.92
C32	4199.281	TR 50	83.22	63.28	64.36	64.48	64.81	0.022620	3.26	30.44	57.85	1.16
C32	4199.281	TR 100	100.40	63.28	64.41	64.57	64.96	0.025601	3.60	33.36	59.72	1.24
C32	4199.281	TR 200	117.91	63.28	64.46	64.64	65.10	0.027915	3.91	36.33	61.56	1.31
C32	4199.281	TR 500	141.45	63.28	64.52	64.75	65.27	0.030581	4.27	40.10	63.78	1.39
C32	4164.248	TR 50	83.22	62.28	62.82	63.02	63.48	0.071598	3.58	23.23	59.24	1.83
C32	4164.248	TR 100	100.40	62.28	62.89	63.10	63.58	0.064068	3.67	27.33	61.78	1.76
C32	4164.248	TR 200	117.91	62.28	62.95	63.18	63.68	0.060053	3.79	31.14	64.05	1.73
C32	4164.248	TR 500	141.45	62.28	63.02	63.27	63.82	0.056846	3.94	35.88	66.66	1.72
C32	4129.27	TR 50	83.22	61.74	62.82	62.69	63.02	0.010693	2.02	41.19	59.57	0.78
C32	4129.27	TR 100	100.40	61.74	62.90	62.78	63.14	0.010960	2.16	46.48	61.93	0.80
C32	4129.27	TR 200	117.91	61.74	62.98	62.87	63.25	0.011194	2.29	51.58	64.12	0.81
C32	4129.27	TR 500	141.45	61.74	63.08	62.97	63.39	0.011480	2.44	58.04	66.80	0.83
C32	4094.328	TR 50	83.22	61.54	62.48		62.68	0.009066	1.96	44.52	73.57	0.72
C32	4094.328	TR 100	100.40	61.54	62.55		62.78	0.009608	2.14	49.72	77.00	0.76
C32	4094.328	TR 200	117.91	61.54	62.61	62.53	62.88	0.010200	2.32	54.51	80.00	0.79
C32	4094.328	TR 500	141.45	61.54	62.69	62.62	63.00	0.010789	2.52	60.75	83.32	0.82
C32	4059.293	TR 50	83.22	61.13	62.03	62.01	62.29	0.013328	2.32	39.22	71.68	0.87
C32	4059.293	TR 100	100.40	61.13	62.13	62.09	62.40	0.012151	2.41	46.28	76.45	0.85
C32	4059.293	TR 200	117.91	61.13	62.22	62.17	62.50	0.011163	2.48	53.48	80.84	0.83
C32	4059.293	TR 500	141.45	61.13	62.33	62.26	62.63	0.010167	2.56	62.93	85.69	0.81
C32	4024.281	TR 50	83.22	60.58	61.94		62.03	0.003401	1.35	62.65	77.55	0.46
C32	4024.281	TR 100	100.40	60.58	62.04		62.14	0.003415	1.45	70.72	81.23	0.47
C32	4024.281	TR 200	117.91	60.58	62.13		62.25	0.003418	1.55	78.69	84.71	0.47
C32	4024.281	TR 500	141.45	60.58	62.25		62.39	0.003452	1.66	88.71	88.86	0.48
C32	3989.281	TR 50	83.22	60.51	61.48	61.48	61.77	0.018737	2.41	34.49	58.22	1.00
C32	3989.281	TR 100	100.40	60.51	61.56	61.56	61.89	0.018177	2.52	39.78	61.36	1.00
C32	3989.281	TR 200	117.91	60.51	61.64	61.64	62.00	0.017966	2.64	44.75	64.17	1.01
C32	3989.281	TR 500	141.45	60.51	61.74	61.74	62.13	0.016955	2.75	51.45	67.81	1.00
C32	3954.319	TR 50	83.22	59.95	61.11	60.87	61.26	0.006379	1.74	48.82	66.04	0.62
C32	3954.319	TR 100	100.40	59.95	61.21	60.96	61.38	0.006313	1.86	55.51	69.06	0.62
C32	3954.319	TR 200	117.91	59.95	61.29	61.05	61.49	0.006337	1.98	61.60	71.62	0.63
C32	3954.319	TR 500	141.45	59.95	61.40	61.14	61.62	0.006359	2.12	69.46	74.81	0.65
C32	3919.281	TR 50	83.22	59.54	60.92		61.05	0.005130	1.62	53.65	69.15	0.56
C32	3919.281	TR 100	100.40	59.54	61.03		61.17	0.005115	1.73	60.94	72.09	0.57
C32	3919.281	TR 200	117.91	59.54	61.11		61.28	0.005194	1.85	67.29	74.63	0.58
C32	3919.281	TR 500	141.45	59.54	61.22		61.41	0.005267	1.99	75.52	77.81	0.59
C32	3884.368	TR 50	83.22	59.29	60.74		60.86	0.005544	1.60	53.25	69.35	0.57
C32	3884.368	TR 100	100.40	59.29	60.85		60.99	0.005451	1.69	60.73	71.69	0.58
C32	3884.368	TR 200	117.91	59.29	60.92		61.09	0.005745	1.81	66.48	73.42	0.60
C32	3884.368	TR 500	141.45	59.29	61.03		61.21	0.005925	1.94	74.20	75.70	0.62

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
C32	3849.281	TR 50	83.22	58.88	60.27	60.27	60.57	0.012376	2.72	37.03	59.51	0.88
C32	3849.281	TR 100	100.40	58.88	60.35	60.35	60.69	0.012661	2.90	41.92	61.66	0.90
C32	3849.281	TR 200	117.91	58.88	60.47	60.43	60.80	0.010715	2.88	49.78	64.98	0.85
C32	3849.281	TR 500	141.45	58.88	60.63	60.54	60.95	0.008914	2.85	60.35	69.10	0.79
C32	3814.281	TR 50	83.22	58.42	59.81	59.73	60.13	0.009690	2.82	35.54	43.21	0.81
C32	3814.281	TR 100	100.40	58.42	59.91	59.84	60.29	0.010062	3.04	40.33	46.24	0.84
C32	3814.281	TR 200	117.91	58.42	60.02	59.96	60.43	0.010151	3.21	45.37	49.23	0.85
C32	3814.281	TR 500	141.45	58.42	60.14	60.10	60.60	0.010404	3.43	51.59	52.69	0.88
C32	3779.281	TR 50	83.22	58.05	59.35	59.35	59.74	0.012525	3.04	32.44	42.22	0.91
C32	3779.281	TR 100	100.40	58.05	59.47	59.47	59.89	0.012143	3.20	37.64	44.99	0.91
C32	3779.281	TR 200	117.91	58.05	59.57	59.57	60.04	0.012008	3.36	42.53	47.47	0.92
C32	3779.281	TR 500	141.45	58.05	59.71	59.71	60.21	0.011687	3.53	49.13	50.63	0.92
C32	3744.294	TR 50	83.22	57.74	59.04	58.93	59.32	0.008799	2.58	38.42	49.39	0.77
C32	3744.294	TR 100	100.40	57.74	59.16	59.05	59.46	0.008533	2.71	44.57	52.60	0.77
C32	3744.294	TR 200	117.91	57.74	59.27	59.15	59.60	0.008279	2.83	50.70	55.59	0.77
C32	3744.294	TR 500	141.45	57.74	59.42	59.27	59.76	0.007933	2.95	58.86	59.21	0.76
C32	3709.318	TR 50	83.22	57.35	58.76		59.03	0.007561	2.51	39.31	46.88	0.72
C32	3709.318	TR 100	100.40	57.35	58.89		59.18	0.007335	2.64	45.59	49.91	0.72
C32	3709.318	TR 200	117.91	57.35	59.01		59.32	0.007139	2.76	51.81	52.74	0.72
C32	3709.318	TR 500	141.45	57.35	59.16		59.50	0.006931	2.90	59.99	56.62	0.72
C32	3674.225	TR 50	83.22	56.98	58.51		58.77	0.006930	2.52	39.56	44.30	0.70
C32	3674.225	TR 100	100.40	56.98	58.64		58.93	0.006809	2.66	45.72	47.25	0.70
C32	3674.225	TR 200	117.91	56.98	58.77		59.08	0.006737	2.79	51.69	49.94	0.71
C32	3674.225	TR 500	141.45	56.98	58.93		59.26	0.006505	2.93	59.92	53.37	0.71
C32	3639.263	TR 50	83.22	56.58	58.00	58.00	58.44	0.012514	3.14	30.68	37.12	0.92
C32	3639.263	TR 100	100.40	56.58	58.14	58.14	58.61	0.012014	3.30	35.74	39.77	0.92
C32	3639.263	TR 200	117.91	56.58	58.26	58.26	58.76	0.011478	3.42	40.92	42.31	0.91
C32	3639.263	TR 500	141.45	56.58	58.41	58.41	58.95	0.011214	3.61	47.32	45.56	0.91
C32	3604.611	TR 50	83.22	56.22	57.14	57.33	57.75	0.033858	3.80	26.43	54.80	1.40
C32	3604.611	TR 100	100.40	56.22	57.20	57.42	57.91	0.036827	4.15	29.34	56.47	1.48
C32	3604.611	TR 200	117.91	56.22	57.25	57.50	58.06	0.039339	4.46	32.14	58.03	1.54
C32	3604.611	TR 500	141.45	56.22	57.31	57.60	58.24	0.041340	4.80	35.96	60.09	1.60
C32	3569.187	TR 50	83.22	55.89	57.11	56.99	57.35	0.010319	2.17	39.43	55.64	0.78
C32	3569.187	TR 100	100.40	55.89	57.19	57.09	57.47	0.010816	2.37	43.89	58.11	0.81
C32	3569.187	TR 200	117.91	55.89	57.26	57.18	57.58	0.011452	2.56	47.93	60.25	0.84
C32	3569.187	TR 500	141.45	55.89	57.34	57.29	57.73	0.012178	2.80	53.09	62.89	0.88
C32	3534.348	TR 50	83.22	55.51	56.58	56.58	56.91	0.014691	2.59	34.37	56.72	0.93
C32	3534.348	TR 100	100.40	55.51	56.68	56.68	57.04	0.013720	2.71	40.29	60.87	0.92
C32	3534.348	TR 200	117.91	55.51	56.78	56.78	57.15	0.012924	2.82	46.22	64.38	0.91
C32	3534.348	TR 500	141.45	55.51	56.89	56.89	57.30	0.012393	2.96	53.54	68.40	0.90
C32	3499.519	TR 50	83.22	55.09	56.08	56.00	56.32	0.011013	2.25	39.42	62.86	0.81
C32	3499.519	TR 100	100.40	55.09	56.16	56.09	56.44	0.010923	2.40	45.09	66.33	0.82
C32	3499.519	TR 200	117.91	55.09	56.08	56.18	56.57	0.021689	3.17	39.68	63.02	1.13
C32	3499.519	TR 500	141.45	55.09	56.16	56.29	56.72	0.022039	3.41	44.83	66.18	1.16
C32	3464.225	TR 50	83.22	54.70	55.76		55.96	0.008828	2.02	42.73	63.62	0.72
C32	3464.225	TR 100	100.40	54.70	55.84		56.08	0.009156	2.19	47.95	66.30	0.75
C32	3464.225	TR 200	117.91	54.70	55.91	55.79	56.19	0.009397	2.35	53.03	68.49	0.77
C32	3464.225	TR 500	141.45	54.70	56.01	55.90	56.32	0.009697	2.54	59.50	71.70	0.79
C32	3429.281	TR 50	83.22	54.44	55.49		55.67	0.007475	1.88	44.64	70.03	0.73
C32	3429.281	TR 100	100.40	54.44	55.59		55.79	0.007079	1.98	51.35	73.38	0.72
C32	3429.281	TR 200	117.91	54.44	55.67		55.89	0.006991	2.10	57.36	76.26	0.73
C32	3429.281	TR 500	141.45	54.44	55.76		56.02	0.007100	2.26	64.48	79.34	0.74
C32	3394.281	TR 50	83.22	54.03	55.06	55.03	55.33	0.012511	2.28	36.50	62.43	0.94
C32	3394.281	TR 100	100.40	54.03	55.13	55.12	55.44	0.013210	2.50	40.37	65.04	0.98
C32	3394.281	TR 200	117.91	54.03	55.20	55.20	55.55	0.012894	2.64	45.12	67.86	0.98
C32	3394.281	TR 500	141.45	54.03	55.30	55.30	55.69	0.011895	2.77	52.21	71.28	0.97
C32	3359.02	TR 50	83.22	53.64	54.64	54.62	54.90	0.011941	2.24	37.83	67.32	0.92
C32	3359.02	TR 100	100.40	53.64	54.73	54.69	55.01	0.010964	2.33	44.20	71.87	0.90
C32	3359.02	TR 200	117.91	53.64	54.81	54.77	55.11	0.010283	2.43	50.17	75.63	0.89
C32	3359.02	TR 500	141.45	53.64	54.91	54.87	55.24	0.009741	2.56	57.72	79.84	0.88
C32	3324.102	TR 50	83.22	53.21	54.48		54.62	0.004595	1.63	51.30	69.18	0.59
C32	3324.102	TR 100	100.40	53.21	54.59		54.74	0.004465	1.72	58.85	73.46	0.59
C32	3324.102	TR 200	117.91	53.21	54.68		54.85	0.004347	1.81	66.00	77.37	0.60
C32	3324.102	TR 500	141.45	53.21	54.79		54.98	0.004342	1.94	74.37	80.91	0.61
C32	3289.105	TR 50	83.22	52.82	54.43		54.52	0.001466	1.43	69.99	69.26	0.37
C32	3289.105	TR 100	100.40	52.82	54.53		54.63	0.001637	1.58	77.06	72.10	0.40

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
C32	3289.105	TR 200	117.91	52.82	54.62		54.74	0.001804	1.72	83.62	74.65	0.42
C32	3289.105	TR 500	141.45	52.82	54.72		54.86	0.002060	1.91	90.99	77.43	0.46
C32	3254.248	TR 50	83.22	52.39	54.47		54.48	0.000170	0.57	175.29	138.42	0.13
C32	3254.248	TR 100	100.40	52.39	54.58		54.59	0.000194	0.63	190.49	143.18	0.14
C32	3254.248	TR 200	117.91	52.39	54.68		54.69	0.000217	0.69	204.74	147.29	0.15
C32	3254.248	TR 500	141.45	52.39	54.78		54.81	0.000250	0.77	221.05	150.55	0.16
C32	3220.233	TR 50	83.22	51.96	54.47		54.48	0.000114	0.54	197.35	127.46	0.11
C32	3220.233	TR 100	100.40	51.96	54.57		54.59	0.000138	0.61	211.17	130.15	0.12
C32	3220.233	TR 200	117.91	51.96	54.67		54.69	0.000161	0.68	223.89	132.38	0.14
C32	3220.233	TR 500	141.45	51.96	54.78		54.80	0.000195	0.77	238.32	134.52	0.15
C32	3184.281	TR 50	83.22	51.52	54.46		54.47	0.000081	0.45	209.47	100.34	0.09
C32	3184.281	TR 100	100.40	51.52	54.57		54.58	0.000102	0.52	220.24	101.84	0.10
C32	3184.281	TR 200	117.91	51.52	54.67		54.68	0.000124	0.59	230.10	103.27	0.11
C32	3184.281	TR 500	141.45	51.52	54.77		54.79	0.000156	0.67	241.23	104.86	0.12
C32	3148.81	TR 50	83.22	51.11	54.46		54.47	0.000093	0.52	176.19	83.03	0.10
C32	3148.81	TR 100	100.40	51.11	54.56		54.58	0.000118	0.60	184.93	84.37	0.11
C32	3148.81	TR 200	117.91	51.11	54.65		54.68	0.000144	0.68	192.89	85.68	0.12
C32	3148.81	TR 500	141.45	51.11	54.76		54.79	0.000183	0.78	201.83	87.14	0.14
C32	3110.674	TR 50	83.22	50.53	54.46	51.61	54.47	0.000034	0.39	247.73	99.15	0.07
C32	3110.674	TR 100	100.40	50.53	54.56	51.70	54.57	0.000044	0.45	258.22	100.63	0.08
C32	3110.674	TR 200	117.91	50.53	54.66	51.80	54.67	0.000055	0.51	267.79	101.84	0.08
C32	3110.674	TR 500	141.45	50.53	54.76	51.92	54.78	0.000071	0.59	278.50	102.98	0.10
C32	3100.464		Culvert									
C32	3093.458	TR 50	83.22	50.46	51.64		51.83	0.005577	1.91	43.92	55.64	0.67
C32	3093.458	TR 100	100.40	50.46	51.74		51.95	0.005625	2.05	49.40	57.88	0.68
C32	3093.458	TR 200	117.91	50.46	51.82		52.07	0.005773	2.20	54.41	59.79	0.70
C32	3093.458	TR 500	141.45	50.46	51.92		52.21	0.006074	2.39	60.33	61.81	0.73
C32	3079.271	TR 50	83.22	50.44	51.43	51.39	51.72	0.009480	2.45	37.50	61.15	0.86
C32	3079.271	TR 100	100.40	50.44	51.50	51.50	51.84	0.009921	2.66	42.25	63.71	0.89
C32	3079.271	TR 200	117.91	50.44	51.58	51.58	51.95	0.010098	2.83	47.12	66.05	0.91
C32	3079.271	TR 500	141.45	50.44	51.68	51.68	52.09	0.009904	2.99	54.10	69.26	0.92
C32	3044.128	TR 50	83.22	50.02	50.97	50.97	51.30	0.015101	2.56	33.71	54.74	0.96
C32	3044.128	TR 100	100.40	50.02	51.07	51.07	51.42	0.013983	2.68	39.27	57.97	0.94
C32	3044.128	TR 200	117.91	50.02	51.16	51.16	51.54	0.013426	2.81	44.45	60.74	0.94
C32	3044.128	TR 500	141.45	50.02	51.25	51.27	51.69	0.013333	3.00	50.50	63.57	0.95
C32	3009.281	TR 50	89.18	49.32	50.05	50.18	50.51	0.034245	3.00	29.84	66.65	1.40
C32	3009.281	TR 100	107.43	49.32	50.10	50.25	50.65	0.036462	3.29	32.89	68.51	1.46
C32	3009.281	TR 200	125.99	49.32	50.14	50.33	50.77	0.037282	3.53	36.14	70.28	1.50
C32	3009.281	TR 500	150.87	49.32	50.21	50.42	50.92	0.036470	3.76	40.89	72.68	1.51
C32	2974.612	TR 50	89.18	48.34	49.20	49.28	49.60	0.019943	2.84	32.98	60.33	1.11
C32	2974.612	TR 100	107.43	48.34	49.29	49.37	49.73	0.018973	2.99	38.14	63.99	1.11
C32	2974.612	TR 200	125.99	48.34	49.36	49.45	49.84	0.018675	3.16	42.86	67.19	1.11
C32	2974.612	TR 500	150.87	48.34	49.44	49.56	49.99	0.018893	3.38	48.44	70.42	1.14
C32	2939.355	TR 50	89.18	47.41	48.34	48.44	48.79	0.026687	2.96	30.18	52.00	1.24
C32	2939.355	TR 100	107.43	47.41	48.42	48.53	48.92	0.027532	3.15	34.11	54.59	1.27
C32	2939.355	TR 200	125.99	47.41	48.49	48.62	49.05	0.027457	3.31	38.11	56.63	1.29
C32	2939.355	TR 500	150.87	47.41	48.58	48.72	49.20	0.026614	3.47	43.43	58.99	1.29
C32	2904.134	TR 50	89.18	46.21	47.08	47.25	47.69	0.035945	3.46	26.07	44.99	1.40
C32	2904.134	TR 100	107.43	46.21	47.17	47.35	47.84	0.033621	3.64	30.02	47.26	1.38
C32	2904.134	TR 200	125.99	46.21	47.24	47.45	47.98	0.032311	3.83	33.77	49.13	1.38
C32	2904.134	TR 500	150.87	46.21	47.34	47.58	48.16	0.031223	4.06	38.51	51.38	1.38
C32	2869.281	TR 50	89.18	45.13	46.89	46.20	46.97	0.001585	1.35	75.95	66.14	0.34
C32	2869.281	TR 100	107.43	45.13	47.04	46.30	47.13	0.001607	1.44	86.06	68.80	0.35
C32	2869.281	TR 200	125.99	45.13	47.18	46.40	47.28	0.001627	1.53	95.75	71.10	0.36
C32	2869.281	TR 500	150.87	45.13	47.35	46.54	47.46	0.001653	1.63	108.01	73.96	0.37
C32	2834.35	TR 50	89.18	44.92	46.82		46.91	0.001592	1.34	70.81	57.87	0.34
C32	2834.35	TR 100	107.43	44.92	46.97		47.07	0.001676	1.45	79.26	60.50	0.36
C32	2834.35	TR 200	125.99	44.92	47.10		47.21	0.001748	1.56	87.39	62.87	0.37
C32	2834.35	TR 500	150.87	44.92	47.26		47.39	0.001830	1.69	97.74	65.70	0.38
C32	2799.322	TR 50	89.18	44.82	46.80		46.86	0.000852	1.11	85.01	64.67	0.28
C32	2799.322	TR 100	107.43	44.82	46.94		47.02	0.000913	1.21	94.44	67.43	0.29
C32	2799.322	TR 200	125.99	44.82	47.08		47.16	0.000967	1.31	103.50	69.87	0.30
C32	2799.322	TR 500	150.87	44.82	47.24		47.34	0.001029	1.43	115.01	72.86	0.32
C32	2764.098	TR 50	89.18	44.85	46.78		46.83	0.000658	1.00	95.14	70.14	0.25
C32	2764.098	TR 100	107.43	44.85	46.93		46.98	0.000711	1.09	105.28	72.59	0.26
C32	2764.098	TR 200	125.99	44.85	47.06		47.12	0.000758	1.18	114.99	74.86	0.27

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
C32	2764.098	TR 500	150.87	44.85	47.22		47.30	0.000812	1.29	127.24	77.32	0.28
C32	2728.898	TR 50	89.18	44.86	46.74		46.80	0.000944	1.10	84.19	66.86	0.29
C32	2728.898	TR 100	107.43	44.86	46.88		46.95	0.001002	1.20	93.60	69.30	0.30
C32	2728.898	TR 200	125.99	44.86	47.01		47.09	0.001052	1.29	102.61	71.54	0.31
C32	2728.898	TR 500	150.87	44.86	47.17		47.26	0.001110	1.40	114.02	74.28	0.32
C32	2694.308	TR 50	89.18	44.94	46.59		46.74	0.002912	1.84	54.22	52.15	0.49
C32	2694.308	TR 100	107.43	44.94	46.70		46.89	0.003116	2.01	60.50	54.61	0.51
C32	2694.308	TR 200	125.99	44.94	46.81		47.02	0.003293	2.16	66.55	56.88	0.53
C32	2694.308	TR 500	150.87	44.94	46.94		47.19	0.003489	2.34	74.28	59.65	0.56
C32	2659.099	TR 50	89.18	44.91	46.44		46.62	0.003845	1.90	50.00	54.09	0.55
C32	2659.099	TR 100	107.43	44.91	46.55		46.76	0.004117	2.08	55.72	56.85	0.58
C32	2659.099	TR 200	125.99	44.91	46.64		46.88	0.004346	2.24	61.28	59.35	0.60
C32	2659.099	TR 500	150.87	44.91	46.76		47.04	0.004579	2.43	68.51	62.38	0.63
C32	2624.461	TR 50	89.18	45.00	46.35		46.48	0.003430	1.64	55.33	60.61	0.51
C32	2624.461	TR 100	107.43	45.00	46.45		46.61	0.003621	1.79	61.54	63.18	0.54
C32	2624.461	TR 200	125.99	45.00	46.54		46.73	0.003780	1.93	67.55	65.45	0.56
C32	2624.461	TR 500	150.87	45.00	46.66		46.88	0.003926	2.09	75.44	68.32	0.57
C32	2589.334	TR 50	89.18	44.97	46.15		46.33	0.005280	1.89	48.86	63.21	0.62
C32	2589.334	TR 100	107.43	44.97	46.22		46.44	0.005931	2.10	53.42	65.82	0.67
C32	2589.334	TR 200	125.99	44.97	46.28		46.55	0.006650	2.31	57.38	67.96	0.71
C32	2589.334	TR 500	150.87	44.97	46.35	46.22	46.68	0.007540	2.57	62.36	70.54	0.77
C32	2554.088	TR 50	89.18	44.89	45.77	45.77	46.02	0.017030	2.12	40.59	82.76	0.93
C32	2554.088	TR 100	107.43	44.89	45.84	45.84	46.11	0.016478	2.25	47.06	90.04	0.94
C32	2554.088	TR 200	125.99	44.89	45.91	45.91	46.20	0.016053	2.39	53.38	97.01	0.94
C32	2554.088	TR 500	150.87	44.89	45.99	45.99	46.30	0.015594	2.55	61.88	104.91	0.95
C32	2519.592	TR 50	89.18	44.50	45.16	45.16	45.40	0.018309	2.16	41.28	92.18	1.02
C32	2519.592	TR 100	107.43	44.50	45.20	45.23	45.49	0.019192	2.36	45.68	94.68	1.06
C32	2519.592	TR 200	125.99	44.50	45.25	45.29	45.58	0.019449	2.53	50.31	97.20	1.08
C32	2519.592	TR 500	150.87	44.50	45.31	45.36	45.69	0.019533	2.72	56.36	99.65	1.10
C32	2484.281	TR 50	89.18	43.74	45.11	44.45	45.15	0.000764	0.88	114.84	126.51	0.25
C32	2484.281	TR 100	107.43	43.74	45.23	44.52	45.27	0.000775	0.95	130.00	130.49	0.26
C32	2484.281	TR 200	125.99	43.74	45.33	44.59	45.37	0.000818	1.02	142.42	133.28	0.27
C32	2484.281	TR 500	150.87	43.74	45.43	44.68	45.49	0.000882	1.11	157.00	135.89	0.28
C32	2449.013	TR 50	89.18	43.37	45.10		45.13	0.000380	0.72	140.52	130.65	0.19
C32	2449.013	TR 100	107.43	43.37	45.22		45.25	0.000409	0.79	156.03	133.66	0.20
C32	2449.013	TR 200	125.99	43.37	45.31		45.35	0.000450	0.85	168.60	136.09	0.21
C32	2449.013	TR 500	150.87	43.37	45.42		45.46	0.000508	0.95	183.33	139.60	0.22
C32	2414.281	TR 50	89.18	43.03	45.10		45.12	0.000157	0.52	197.36	151.18	0.12
C32	2414.281	TR 100	107.43	43.03	45.22		45.24	0.000177	0.57	215.29	153.71	0.13
C32	2414.281	TR 200	125.99	43.03	45.32		45.33	0.000201	0.63	229.74	155.49	0.14
C32	2414.281	TR 500	150.87	43.03	45.42		45.44	0.000234	0.70	246.53	157.22	0.15
C32	2379.022	TR 50	89.18	42.71	45.10		45.11	0.000158	0.57	178.72	117.39	0.12
C32	2379.022	TR 100	107.43	42.71	45.21		45.23	0.000186	0.64	192.47	120.72	0.14
C32	2379.022	TR 200	125.99	42.71	45.30		45.32	0.000218	0.71	203.54	122.03	0.15
C32	2379.022	TR 500	150.87	42.71	45.41		45.43	0.000262	0.80	216.32	123.39	0.16
C32	2344.614	TR 50	89.18	42.47	45.08		45.10	0.000243	0.70	143.57	94.29	0.15
C32	2344.614	TR 100	107.43	42.47	45.19		45.22	0.000289	0.79	154.31	97.25	0.16
C32	2344.614	TR 200	125.99	42.47	45.28		45.31	0.000343	0.88	162.83	98.59	0.18
C32	2344.614	TR 500	150.87	42.47	45.38		45.42	0.000419	1.00	172.57	100.22	0.20
C32	2309.362	TR 50	89.18	42.32	45.07		45.09	0.000269	0.75	139.82	96.01	0.16
C32	2309.362	TR 100	107.43	42.32	45.18		45.21	0.000320	0.85	150.47	97.98	0.17
C32	2309.362	TR 200	125.99	42.32	45.26		45.30	0.000379	0.94	158.80	99.05	0.19
C32	2309.362	TR 500	150.87	42.32	45.36		45.41	0.000463	1.07	168.22	100.25	0.21
C32	2274.081	TR 50	89.18	42.12	45.07		45.08	0.000165	0.65	174.07	119.77	0.12
C32	2274.081	TR 100	107.43	42.12	45.18		45.20	0.000197	0.73	187.35	121.84	0.14
C32	2274.081	TR 200	125.99	42.12	45.26		45.29	0.000234	0.81	197.74	123.44	0.15
C32	2274.081	TR 500	150.87	42.12	45.36		45.39	0.000287	0.92	209.52	125.18	0.17
C32	2238.988	TR 50	89.18	41.87	45.07		45.08	0.000064	0.42	279.51	167.80	0.08
C32	2238.988	TR 100	107.43	41.87	45.18		45.19	0.000078	0.48	298.38	172.64	0.09
C32	2238.988	TR 200	125.99	41.87	45.27		45.28	0.000094	0.53	313.33	175.90	0.09
C32	2238.988	TR 500	150.87	41.87	45.36		45.38	0.000117	0.60	330.42	178.82	0.11
C32	2204.156	TR 50	89.18	41.58	45.07		45.08	0.000034	0.31	338.29	164.50	0.06
C32	2204.156	TR 100	107.43	41.58	45.18		45.19	0.000042	0.36	356.66	167.35	0.06
C32	2204.156	TR 200	125.99	41.58	45.27		45.27	0.000052	0.41	371.08	169.56	0.07
C32	2204.156	TR 500	150.87	41.58	45.36		45.37	0.000066	0.46	387.49	171.63	0.08
C32	2169.303	TR 50	89.18	41.18	45.07		45.07	0.000019	0.26	412.58	171.52	0.04

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
C32	2169.303	TR 100	107.43	41.18	45.18		45.19	0.000024	0.30	431.67	173.14	0.05
C32	2169.303	TR 200	125.99	41.18	45.27		45.27	0.000030	0.34	446.55	174.35	0.05
C32	2169.303	TR 500	150.87	41.18	45.36		45.37	0.000039	0.39	463.38	175.67	0.06
C32	2134.406	TR 50	89.18	40.86	45.07		45.07	0.000012	0.21	489.00	183.02	0.03
C32	2134.406	TR 100	107.43	40.86	45.18		45.18	0.000015	0.25	509.36	184.60	0.04
C32	2134.406	TR 200	125.99	40.86	45.27		45.27	0.000019	0.28	525.22	185.81	0.04
C32	2134.406	TR 500	150.87	40.86	45.36		45.37	0.000025	0.32	543.15	187.09	0.05
C32	2099.18	TR 50	89.18	40.54	45.07		45.07	0.000009	0.19	546.97	195.03	0.03
C32	2099.18	TR 100	107.43	40.54	45.18		45.18	0.000011	0.22	568.71	197.49	0.03
C32	2099.18	TR 200	125.99	40.54	45.27		45.27	0.000014	0.25	585.69	199.25	0.04
C32	2099.18	TR 500	150.87	40.54	45.36		45.37	0.000018	0.29	604.92	200.74	0.04
C32	2064.281	TR 50	89.18	40.47	45.07		45.07	0.000008	0.19	539.99	175.39	0.03
C32	2064.281	TR 100	107.43	40.47	45.18		45.18	0.000011	0.22	559.55	178.23	0.03
C32	2064.281	TR 200	125.99	40.47	45.27		45.27	0.000014	0.25	574.87	180.34	0.04
C32	2064.281	TR 500	150.87	40.47	45.36		45.37	0.000018	0.30	592.29	182.44	0.04
C32	2035.779	TR 50	89.18	40.13	45.07	40.91	45.07	0.000007	0.18	572.14	174.44	0.03
C32	2035.779	TR 100	107.43	40.13	45.18	40.98	45.18	0.000009	0.21	591.56	176.59	0.03
C32	2035.779	TR 200	125.99	40.13	45.27	41.06	45.27	0.000011	0.24	606.71	178.07	0.03
C32	2035.779	TR 500	150.87	40.13	45.36	41.15	45.37	0.000015	0.29	623.87	179.65	0.04
C32	2023.907		Culvert									
C32	2013.826	TR 50	89.18	39.94	40.76		40.93	0.010337	1.90	48.33	74.97	0.71
C32	2013.826	TR 100	107.43	39.94	40.83		41.04	0.010581	2.05	54.33	77.15	0.72
C32	2013.826	TR 200	125.99	39.94	40.91		41.14	0.010888	2.19	59.90	79.13	0.74
C32	2013.826	TR 500	150.87	39.94	40.99		41.27	0.011179	2.35	67.05	81.61	0.76
C32	1994.281	TR 50	89.18	39.56	40.34	40.34	40.62	0.026386	2.34	38.46	71.23	0.99
C32	1994.281	TR 100	107.43	39.56	40.42	40.42	40.73	0.025188	2.47	44.05	73.62	0.98
C32	1994.281	TR 200	125.99	39.56	40.49	40.49	40.83	0.023929	2.57	49.70	75.95	0.97
C32	1994.281	TR 500	150.87	39.56	40.58	40.58	40.95	0.022991	2.71	56.69	78.75	0.97
C32	1959.281	TR 50	89.18	38.93	40.11	39.75	40.19	0.003129	1.34	73.44	104.00	0.45
C32	1959.281	TR 100	107.43	38.93	40.20	39.83	40.30	0.003204	1.44	83.10	108.32	0.46
C32	1959.281	TR 200	125.99	38.93	40.28	39.91	40.39	0.003274	1.54	92.25	111.40	0.47
C32	1959.281	TR 500	150.87	38.93	40.38	40.00	40.51	0.003358	1.65	103.69	114.52	0.48
C32	1924.281	TR 50	93.64	38.91	39.93		40.05	0.005127	1.58	62.74	98.71	0.56
C32	1924.281	TR 100	112.48	38.91	40.01		40.15	0.005120	1.68	71.50	104.67	0.57
C32	1924.281	TR 200	131.58	38.91	40.10		40.25	0.005078	1.77	80.16	109.02	0.58
C32	1924.281	TR 500	157.13	38.91	40.20		40.36	0.004994	1.88	91.28	112.27	0.58
C32	1889.281	TR 50	93.64	38.65	39.75		39.87	0.005229	1.53	61.74	94.85	0.58
C32	1889.281	TR 100	112.48	38.65	39.84		39.97	0.005014	1.62	70.71	101.71	0.57
C32	1889.281	TR 200	131.58	38.65	39.93		40.07	0.004823	1.70	79.74	108.18	0.57
C32	1889.281	TR 500	157.13	38.65	40.03		40.19	0.004577	1.79	91.86	115.80	0.57
C32	1854.281	TR 50	93.64	38.37	39.40		39.61	0.009922	2.03	46.85	74.08	0.77
C32	1854.281	TR 100	112.48	38.37	39.48		39.72	0.009974	2.18	52.72	77.40	0.79
C32	1854.281	TR 200	131.58	38.37	39.56	39.46	39.83	0.009934	2.32	58.58	80.56	0.80
C32	1854.281	TR 500	157.13	38.37	39.64	39.55	39.95	0.010022	2.49	65.79	84.30	0.82
C32	1819.281	TR 50	93.64	38.00	38.87	38.86	39.16	0.016524	2.41	38.91	65.27	1.00
C32	1819.281	TR 100	112.48	38.00	38.95	38.95	39.28	0.016006	2.52	44.58	68.41	1.00
C32	1819.281	TR 200	131.58	38.00	39.03	39.03	39.38	0.015792	2.64	49.89	71.21	1.01
C32	1819.281	TR 500	157.13	38.00	39.13	39.13	39.51	0.015305	2.76	57.03	74.82	1.01
C32	1784.281	TR 50	93.64	37.50	38.44	38.37	38.65	0.011969	2.03	46.24	80.66	0.85
C32	1784.281	TR 100	112.48	37.50	38.52	38.45	38.75	0.011690	2.12	53.03	85.07	0.86
C32	1784.281	TR 200	131.58	37.50	38.60	38.53	38.85	0.011431	2.20	59.69	89.18	0.86
C32	1784.281	TR 500	157.13	37.50	38.69	38.61	38.96	0.011001	2.31	68.17	94.04	0.86
C32	1749.281	TR 50	93.64	37.14	38.22	38.01	38.35	0.005479	1.70	60.00	91.00	0.58
C32	1749.281	TR 100	112.48	37.14	38.31	38.09	38.46	0.005426	1.80	68.32	94.92	0.59
C32	1749.281	TR 200	131.58	37.14	38.39		38.56	0.005410	1.90	76.24	98.55	0.59
C32	1749.281	TR 500	157.13	37.14	38.49		38.68	0.005353	2.01	86.55	103.09	0.60
C32	1714.281	TR 50	93.64	36.82	37.72	37.72	38.02	0.017831	2.41	39.13	69.30	0.99
C32	1714.281	TR 100	112.48	36.82	37.80	37.80	38.13	0.016797	2.55	44.82	72.29	0.98
C32	1714.281	TR 200	131.58	36.82	37.89	37.89	38.24	0.015536	2.64	50.90	75.34	0.96
C32	1714.281	TR 500	157.13	36.82	37.99	37.98	38.37	0.014274	2.75	58.82	79.15	0.94
C32	1679.18	TR 50	93.64	36.42	37.64	37.22	37.73	0.002797	1.36	72.21	85.95	0.43
C32	1679.18	TR 100	112.48	36.42	37.75	37.31	37.85	0.002761	1.45	82.20	89.77	0.43
C32	1679.18	TR 200	131.58	36.42	37.85	37.38	37.97	0.002762	1.53	91.50	92.97	0.44
C32	1679.18	TR 500	157.13	36.42	37.98		38.10	0.002771	1.63	103.09	95.95	0.45
C32	1644.208	TR 50	93.64	36.18	37.50		37.61	0.004285	1.46	64.34	78.20	0.51
C32	1644.208	TR 100	112.48	36.18	37.62		37.73	0.004280	1.53	73.51	82.48	0.52

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
C32	1644.208	TR 200	131.58	36.18	37.72		37.85	0.004272	1.60	82.02	86.28	0.53
C32	1644.208	TR 500	157.13	36.18	37.84		37.98	0.004147	1.69	92.91	91.21	0.53
C32	1609.244	TR 50	93.64	35.94	37.01	37.01	37.34	0.013909	2.53	37.01	56.85	1.00
C32	1609.244	TR 100	112.48	35.94	37.10	37.10	37.46	0.013754	2.66	42.31	59.81	1.01
C32	1609.244	TR 200	131.58	35.94	37.20	37.20	37.58	0.013163	2.74	48.04	62.85	1.00
C32	1609.244	TR 500	157.13	35.94	37.30	37.30	37.72	0.012984	2.87	54.81	66.26	1.01
C32	1574.281	TR 50	93.64	35.44	36.56	36.44	36.73	0.005981	2.05	56.08	98.31	0.69
C32	1574.281	TR 100	112.48	35.44	36.72	36.52	36.87	0.004172	1.92	73.30	109.98	0.59
C32	1574.281	TR 200	131.58	35.44	36.87	36.59	37.00	0.003290	1.85	89.92	120.29	0.54
C32	1574.281	TR 500	157.13	35.44	37.04	36.68	37.16	0.002672	1.82	111.12	133.81	0.50
C32	1539.281	TR 50	93.64	35.00	36.55		36.61	0.001284	1.28	95.91	124.52	0.35
C32	1539.281	TR 100	112.48	35.00	36.72		36.78	0.001069	1.26	117.44	131.94	0.32
C32	1539.281	TR 200	131.58	35.00	36.86		36.92	0.000952	1.26	137.07	137.44	0.31
C32	1539.281	TR 500	157.13	35.00	37.03		37.09	0.000869	1.28	160.61	143.36	0.30
C32	1504.211	TR 50	93.64	34.82	36.54		36.57	0.000559	0.91	131.10	131.70	0.23
C32	1504.211	TR 100	112.48	34.82	36.71		36.74	0.000505	0.92	153.69	136.44	0.22
C32	1504.211	TR 200	131.58	34.82	36.86		36.89	0.000479	0.95	173.84	140.05	0.22
C32	1504.211	TR 500	157.13	34.82	37.02		37.06	0.000467	0.99	197.62	144.20	0.22
C32	1469.402	TR 50	93.64	34.63	36.53		36.55	0.000545	0.71	144.10	132.17	0.17
C32	1469.402	TR 100	112.48	34.63	36.70		36.72	0.000505	0.72	167.04	138.62	0.17
C32	1469.402	TR 200	131.58	34.63	36.84		36.87	0.000488	0.75	187.72	144.19	0.16
C32	1469.402	TR 500	157.13	34.63	37.01		37.04	0.000483	0.78	212.45	150.93	0.17
C32	1434.013	TR 50	93.64	34.67	36.50		36.53	0.000893	0.47	127.49	115.88	0.12
C32	1434.013	TR 100	112.48	34.67	36.67		36.70	0.000816	0.48	147.75	121.59	0.11
C32	1434.013	TR 200	131.58	34.67	36.81		36.85	0.000781	0.50	165.86	126.34	0.11
C32	1434.013	TR 500	157.13	34.67	36.98		37.02	0.000762	0.52	187.28	130.89	0.11
C32	1398.968	TR 50	93.64	34.07	36.41		36.48	0.002088	1.46	86.12	93.15	0.33
C32	1398.968	TR 100	112.48	34.07	36.59		36.66	0.001769	1.42	103.50	99.30	0.31
C32	1398.968	TR 200	131.58	34.07	36.74		36.81	0.001616	1.42	118.76	103.80	0.29
C32	1398.968	TR 500	157.13	34.07	36.91		36.98	0.001515	1.44	136.64	108.75	0.29
C32	1364.175	TR 50	93.64	33.26	35.80	35.71	36.29	0.013558	3.22	33.55	36.21	0.80
C32	1364.175	TR 100	112.48	33.26	36.01	35.94	36.49	0.011807	3.25	42.12	44.70	0.76
C32	1364.175	TR 200	131.58	33.26	36.24	36.14	36.66	0.009322	3.12	53.76	54.35	0.69
C32	1364.175	TR 500	157.13	33.26	36.37	36.33	36.83	0.009810	3.34	61.18	59.95	0.71
C32	1328.906	TR 50	93.64	32.42	35.44	35.19	35.88	0.009314	3.05	36.01	32.75	0.68
C32	1328.906	TR 100	112.48	32.42	35.74	35.44	36.13	0.007443	2.98	46.86	40.13	0.62
C32	1328.906	TR 200	131.58	32.42	36.07	35.59	36.38	0.005393	2.76	61.90	52.57	0.54
C32	1328.906	TR 500	157.13	32.42	36.10		36.53	0.007230	3.23	63.59	53.89	0.62
C32	1294.767	TR 50	93.64	31.66	34.51	34.51	35.38	0.020936	4.13	23.16	14.67	0.97
C32	1294.767	TR 100	112.48	31.66	34.78	34.78	35.70	0.018732	4.28	27.30	16.18	0.94
C32	1294.767	TR 200	131.58	31.66	34.97	34.97	36.00	0.018961	4.56	30.42	17.45	0.96
C32	1294.767	TR 500	157.13	31.66	35.54	35.54	36.21	0.010157	3.87	51.01	44.24	0.73
C32	1256.467	TR 50	93.64	30.76	31.90	32.44	33.85	0.083965	6.19	15.25	24.69	2.45
C32	1256.467	TR 100	112.48	30.76	31.97	32.60	34.22	0.088579	6.66	17.08	26.03	2.55
C32	1256.467	TR 200	131.58	30.76	32.05	32.73	34.51	0.084884	6.98	19.16	27.31	2.54
C32	1256.467	TR 500	157.13	30.76	32.11	32.89	35.10	0.093698	7.71	20.82	28.27	2.70
C32	1224.175	TR 50	93.64	30.00	31.60	31.27	31.82	0.003860	2.13	47.43	46.77	0.59
C32	1224.175	TR 100	112.48	30.00	31.06	31.40	32.12	0.036143	4.58	25.03	36.35	1.66
C32	1224.175	TR 200	131.58	30.00	31.12	31.52	32.36	0.038641	4.97	27.15	37.48	1.74
C32	1224.175	TR 500	157.13	30.00	31.18	31.66	32.69	0.042624	5.49	29.59	38.73	1.85
C32	1189.156	TR 50	93.64	29.61	31.10	31.10	31.59	0.009869	3.18	31.98	34.99	0.93
C32	1189.156	TR 100	112.48	29.61	31.25	31.25	31.77	0.009250	3.33	37.23	37.10	0.92
C32	1189.156	TR 200	131.58	29.61	31.38	31.38	31.94	0.008929	3.47	42.14	38.93	0.92
C32	1189.156	TR 500	157.13	29.61	31.53	31.53	32.15	0.008657	3.66	48.35	41.03	0.92
C32	1154.281	TR 50	93.64	29.26	31.04	30.61	31.24	0.005137	2.01	49.35	41.57	0.51
C32	1154.281	TR 100	112.48	29.26	31.22	30.73	31.43	0.004925	2.10	56.65	43.43	0.51
C32	1154.281	TR 200	131.58	29.26	31.38	30.84	31.60	0.004754	2.19	63.80	45.18	0.51
C32	1154.281	TR 500	157.13	29.26	31.58		31.82	0.004563	2.30	73.05	47.34	0.50
C32	1119.243	TR 50	93.64	28.88	30.90		31.07	0.003927	1.87	53.57	39.75	0.45
C32	1119.243	TR 100	112.48	28.88	31.08		31.26	0.003934	1.99	60.58	41.36	0.46
C32	1119.243	TR 200	131.58	28.88	31.24		31.44	0.003927	2.10	67.41	42.84	0.46
C32	1119.243	TR 500	157.13	28.88	31.44		31.67	0.003902	2.23	76.20	44.64	0.47
C32	1084.246	TR 50	93.64	28.61	30.44		30.82	0.012630	2.76	35.00	31.65	0.77
C32	1084.246	TR 100	112.48	28.61	30.58		31.01	0.012777	2.96	39.35	32.66	0.78
C32	1084.246	TR 200	131.58	28.61	30.70	30.57	31.19	0.012962	3.15	43.44	33.58	0.80
C32	1084.246	TR 500	157.13	28.61	30.85	30.73	31.41	0.013204	3.38	48.57	34.70	0.82

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
C32	1049.281	TR 50	93.64	28.27	30.23		30.46	0.006901	2.16	45.15	38.43	0.57
C32	1049.281	TR 100	112.48	28.27	30.38		30.64	0.006822	2.30	51.16	39.60	0.58
C32	1049.281	TR 200	131.58	28.27	30.52		30.81	0.006806	2.43	56.79	40.67	0.59
C32	1049.281	TR 500	157.13	28.27	30.69		31.02	0.006806	2.59	63.84	41.88	0.60
C32	1013.501	TR 50	93.64	27.98	29.93		30.20	0.007413	2.36	42.43	37.02	0.61
C32	1013.501	TR 100	112.48	27.98	30.08		30.38	0.007450	2.52	48.09	38.89	0.62
C32	1013.501	TR 200	131.58	27.98	30.22		30.55	0.007537	2.67	53.41	40.49	0.63
C32	1013.501	TR 500	157.13	27.98	30.38		30.75	0.007579	2.84	60.33	42.46	0.64
C32	979.5616	TR 50	93.64	27.69	29.35	29.35	29.84	0.014227	3.09	30.41	32.50	0.99
C32	979.5616	TR 100	112.48	27.69	29.48	29.48	30.02	0.013474	3.26	34.87	34.70	0.98
C32	979.5616	TR 200	131.58	27.69	29.62	29.62	30.20	0.012534	3.39	39.68	36.63	0.97
C32	979.5616	TR 500	157.13	27.69	29.78	29.78	30.41	0.011689	3.54	45.88	38.97	0.95
C32	944.2813	TR 50	93.64	27.29	28.50	28.67	29.18	0.023930	3.63	25.80	35.23	1.35
C32	944.2813	TR 100	112.48	27.29	28.59	28.79	29.37	0.024695	3.92	28.79	36.48	1.38
C32	944.2813	TR 200	131.58	27.29	28.66	28.91	29.56	0.025406	4.19	31.66	37.59	1.41
C32	944.2813	TR 500	157.13	27.29	28.77	29.05	29.79	0.025664	4.48	35.54	39.04	1.43
C32	909.3071	TR 50	93.64	26.85	28.20	27.97	28.39	0.005837	1.93	48.49	58.38	0.68
C32	909.3071	TR 100	112.48	26.85	28.34	28.08	28.54	0.005300	1.98	56.94	62.33	0.66
C32	909.3071	TR 200	131.58	26.85	28.48	28.17	28.68	0.004819	2.02	65.51	66.19	0.64
C32	909.3071	TR 500	157.13	26.85	28.65	28.28	28.86	0.004081	2.06	77.32	71.70	0.60
C32	874.1185	TR 50	93.64	26.49	28.09		28.23	0.003051	1.74	58.40	63.13	0.50
C32	874.1185	TR 100	112.48	26.49	28.24		28.39	0.002855	1.80	68.18	66.14	0.49
C32	874.1185	TR 200	131.58	26.49	28.38		28.54	0.002701	1.86	77.76	69.01	0.48
C32	874.1185	TR 500	157.13	26.49	28.57		28.74	0.002487	1.92	90.92	72.94	0.47
C32	839.2813	TR 50	93.64	26.17	28.03		28.14	0.001943	1.43	65.39	54.18	0.42
C32	839.2813	TR 100	112.48	26.17	28.18		28.30	0.001945	1.53	73.71	56.44	0.43
C32	839.2813	TR 200	131.58	26.17	28.33		28.46	0.001903	1.61	81.82	58.30	0.43
C32	839.2813	TR 500	157.13	26.17	28.51		28.66	0.001827	1.70	92.79	60.77	0.43
C32	804.2813	TR 50	93.64	25.88	27.99		28.07	0.001505	1.32	77.19	56.60	0.32
C32	804.2813	TR 100	112.48	25.88	28.14		28.23	0.001592	1.44	85.77	58.62	0.33
C32	804.2813	TR 200	131.58	25.88	28.28		28.39	0.001654	1.54	94.17	60.41	0.34
C32	804.2813	TR 500	157.13	25.88	28.46		28.59	0.001685	1.64	105.59	62.77	0.35
C32	769.2812	TR 50	93.64	25.55	27.91		28.01	0.002047	1.48	72.11	47.88	0.33
C32	769.2812	TR 100	112.48	25.55	28.05		28.17	0.002313	1.64	78.70	49.51	0.35
C32	769.2812	TR 200	131.58	25.55	28.17		28.31	0.002539	1.79	85.14	50.96	0.37
C32	769.2812	TR 500	157.13	25.55	28.35		28.51	0.002739	1.94	94.08	52.90	0.39
C32	734.2813	TR 50	93.64	25.19	27.78		27.92	0.002791	1.73	58.79	36.64	0.38
C32	734.2813	TR 100	112.48	25.19	27.88		28.06	0.003387	1.96	62.49	37.48	0.42
C32	734.2813	TR 200	131.58	25.19	27.97		28.20	0.003987	2.19	65.92	38.24	0.46
C32	734.2813	TR 500	157.13	25.19	28.09		28.38	0.004661	2.45	70.74	39.29	0.50
C32	699.2813	TR 50	93.64	24.97	27.71		27.85	0.001491	1.68	60.66	34.80	0.35
C32	699.2813	TR 100	112.48	24.97	27.80		27.97	0.001885	1.94	63.52	35.50	0.40
C32	699.2813	TR 200	131.58	24.97	27.86		28.09	0.002312	2.19	66.00	36.10	0.44
C32	699.2813	TR 500	157.13	24.97	27.96		28.25	0.002870	2.50	69.29	36.88	0.50
C32	663.8369	TR 50	93.64	24.96	27.70		27.80	0.000876	1.55	73.01	44.68	0.31
C32	663.8369	TR 100	112.48	24.96	27.78		27.91	0.001099	1.78	76.63	45.68	0.35
C32	663.8369	TR 200	131.58	24.96	27.85		28.01	0.001340	2.00	79.78	46.52	0.39
C32	663.8369	TR 500	157.13	24.96	27.94		28.15	0.001646	2.26	84.07	47.64	0.44
C32	629.2813	TR 50	93.64	24.96	27.72		27.76	0.000402	1.08	104.93	60.85	0.21
C32	629.2813	TR 100	112.48	24.96	27.80		27.86	0.000510	1.25	110.21	62.75	0.24
C32	629.2813	TR 200	131.58	24.96	27.88		27.96	0.000632	1.41	114.93	65.31	0.27
C32	629.2813	TR 500	157.13	24.96	27.97		28.08	0.000789	1.62	121.57	68.88	0.31
C32	594.2813	TR 50	93.64	24.98	27.72		27.75	0.000217	0.80	151.55	99.27	0.16
C32	594.2813	TR 100	112.48	24.98	27.81		27.84	0.000275	0.92	160.57	105.23	0.18
C32	594.2813	TR 200	131.58	24.98	27.89		27.93	0.000335	1.03	168.92	110.46	0.20
C32	594.2813	TR 500	157.13	24.98	27.99		28.04	0.000408	1.17	180.84	117.66	0.22
C32	568.5109	TR 50	93.64	24.91	27.72	26.08	27.74	0.000135	0.62	188.63	119.27	0.12
C32	568.5109	TR 100	112.48	24.91	27.81	26.18	27.83	0.000167	0.71	199.40	121.96	0.14
C32	568.5109	TR 200	131.58	24.91	27.89	26.28	27.92	0.000201	0.79	209.09	124.36	0.15
C32	568.5109	TR 500	157.13	24.91	28.00	26.39	28.03	0.000243	0.89	222.50	128.82	0.17
C32	559.4641		Culvert									
C32	552.7109	TR 50	93.64	24.81	26.29		26.44	0.004300	1.89	58.51	70.91	0.54
C32	552.7109	TR 100	112.48	24.81	26.39		26.57	0.004535	2.04	65.74	74.92	0.56
C32	552.7109	TR 200	131.58	24.81	26.48		26.68	0.004719	2.17	72.82	78.65	0.58
C32	552.7109	TR 500	157.13	24.81	26.59		26.82	0.004975	2.34	81.54	83.02	0.60
C32	524.2813	TR 50	93.64	24.60	25.92	25.92	26.23	0.012215	3.02	42.32	67.53	0.90

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
C32	524.2813	TR 100	112.48	24.60	26.02	26.02	26.35	0.011970	3.16	49.15	72.75	0.90
C32	524.2813	TR 200	131.58	24.60	26.10	26.10	26.46	0.012158	3.32	55.03	76.55	0.92
C32	524.2813	TR 500	157.13	24.60	26.21	26.21	26.59	0.011920	3.46	63.75	83.06	0.92
C32	489.2814	TR 50	93.64	24.33	25.33	25.40	25.69	0.020218	3.08	38.30	78.20	1.10
C32	489.2814	TR 100	112.48	24.33	25.39	25.48	25.80	0.021157	3.31	43.07	81.49	1.13
C32	489.2814	TR 200	131.58	24.33	25.45	25.56	25.90	0.021419	3.48	48.07	84.81	1.15
C32	489.2814	TR 500	157.13	24.33	25.51	25.64	26.02	0.022147	3.71	54.02	88.31	1.19
C32	454.2813	TR 50	93.64	23.85	25.16	24.84	25.27	0.003511	1.57	70.19	98.19	0.48
C32	454.2813	TR 100	112.48	23.85	25.27	24.93	25.39	0.003499	1.66	80.80	105.81	0.49
C32	454.2813	TR 200	131.58	23.85	25.36	25.01	25.49	0.003477	1.74	91.21	112.24	0.49
C32	454.2813	TR 500	157.13	23.85	25.48	25.10	25.62	0.003472	1.84	104.16	118.44	0.50
C32	419.5285	TR 50	93.64	24.30	24.81	24.75	25.06	0.012261	1.65	43.89	71.62	0.78
C32	419.5285	TR 100	112.48	24.30	24.90	24.84	25.17	0.012421	1.86	50.23	77.95	0.80
C32	419.5285	TR 200	131.58	24.30	24.98	24.92	25.28	0.012560	2.04	56.57	85.29	0.83
C32	419.5285	TR 500	157.13	24.30	25.07	25.04	25.40	0.012562	2.24	65.17	94.36	0.85
C32	384.6078	TR 50	93.64	23.53	24.59		24.72	0.006616	2.07	59.38	90.70	0.65
C32	384.6078	TR 100	112.48	23.53	24.68		24.83	0.006559	2.19	68.35	97.32	0.66
C32	384.6078	TR 200	131.58	23.53	24.77		24.93	0.006489	2.29	77.21	103.45	0.66
C32	384.6078	TR 500	157.13	23.53	24.88		25.05	0.006383	2.41	88.86	111.14	0.67
C32	349.7648	TR 50	93.64	23.22	24.34		24.48	0.007011	2.22	57.15	84.34	0.68
C32	349.7648	TR 100	112.48	23.22	24.43		24.59	0.006994	2.34	65.34	89.25	0.69
C32	349.7648	TR 200	131.58	23.22	24.52		24.69	0.006956	2.45	73.37	93.71	0.69
C32	349.7648	TR 500	157.13	23.22	24.63		24.82	0.006896	2.57	83.75	99.17	0.70
C32	313.6835	TR 50	93.64	22.89	23.99		24.18	0.009619	2.59	49.79	75.72	0.79
C32	313.6835	TR 100	112.48	22.89	24.10		24.30	0.009230	2.69	57.71	80.54	0.79
C32	313.6835	TR 200	131.58	22.89	24.19		24.40	0.008938	2.79	65.42	84.93	0.79
C32	313.6835	TR 500	157.13	22.89	24.30		24.53	0.008634	2.90	75.38	90.30	0.78
C32	279.2813	TR 50	93.64	22.71	23.95		24.02	0.001947	1.25	82.81	100.18	0.38
C32	279.2813	TR 100	112.48	22.71	24.05		24.13	0.002012	1.34	93.31	105.69	0.39
C32	279.2813	TR 200	131.58	22.71	24.15		24.24	0.002067	1.43	103.48	110.77	0.40
C32	279.2813	TR 500	157.13	22.71	24.26		24.37	0.002124	1.53	116.57	116.97	0.41
C32	244.2813	TR 50	93.64	22.48	23.83		23.93	0.003332	1.38	67.90	97.87	0.53
C32	244.2813	TR 100	112.48	22.48	23.94		24.04	0.003259	1.43	78.43	103.96	0.53
C32	244.2813	TR 200	131.58	22.48	24.03		24.15	0.003200	1.48	88.67	108.79	0.52
C32	244.2813	TR 500	157.13	22.48	24.15		24.27	0.003134	1.54	101.87	114.71	0.52
C32	209.8022	TR 50	93.64	22.40	23.56	23.42	23.75	0.007835	1.95	47.98	70.74	0.76
C32	209.8022	TR 100	112.48	22.40	23.64	23.50	23.86	0.008292	2.09	53.76	74.50	0.79
C32	209.8022	TR 200	131.58	22.40	23.71	23.59	23.96	0.008809	2.23	59.05	77.91	0.82
C32	209.8022	TR 500	157.13	22.40	23.79	23.69	24.08	0.009503	2.39	65.75	82.66	0.86
C32	174.2814	TR 50	93.64	22.20	23.18	23.13	23.41	0.011750	2.12	44.21	78.13	0.90
C32	174.2814	TR 100	112.48	22.20	23.27	23.21	23.52	0.011444	2.20	51.11	83.62	0.90
C32	174.2814	TR 200	131.58	22.20	23.35	23.29	23.61	0.011066	2.28	57.84	88.58	0.90
C32	174.2814	TR 500	157.13	22.20	23.44	23.38	23.73	0.010509	2.38	66.28	94.32	0.89
C32	139.2813	TR 50	93.64	21.85	23.00		23.14	0.004679	1.69	57.79	87.50	0.60
C32	139.2813	TR 100	112.48	21.85	23.08		23.25	0.004692	1.81	65.56	92.58	0.61
C32	139.2813	TR 200	131.58	21.85	23.16		23.34	0.004716	1.92	73.08	97.26	0.62
C32	139.2813	TR 500	157.13	21.85	23.26		23.46	0.004733	2.05	82.82	103.00	0.63
C32	104.2813	TR 50	93.64	21.70	22.71		22.92	0.008040	2.04	47.55	80.48	0.77
C32	104.2813	TR 100	112.48	21.70	22.80		23.03	0.007723	2.16	54.71	85.58	0.77
C32	104.2813	TR 200	131.58	21.70	22.89		23.13	0.007278	2.24	62.37	90.72	0.76
C32	104.2813	TR 500	157.13	21.70	22.99		23.26	0.006863	2.35	72.26	96.88	0.75
C32	69.38227	TR 50	93.64	21.41	22.38	22.32	22.62	0.009088	2.18	44.79	75.66	0.82
C32	69.38227	TR 100	112.48	21.41	22.45	22.40	22.73	0.009429	2.37	50.17	79.14	0.85
C32	69.38227	TR 200	131.58	21.41	22.51	22.49	22.83	0.010044	2.56	54.73	81.98	0.89
C32	69.38227	TR 500	157.13	21.41	22.59	22.58	22.96	0.010464	2.76	61.09	85.78	0.92
C32	34.23079	TR 50	93.64	21.06	21.97	21.97	22.26	0.011573	2.50	41.68	75.80	0.93
C32	34.23079	TR 100	112.48	21.06	22.05	22.05	22.37	0.011137	2.63	48.10	80.15	0.93
C32	34.23079	TR 200	131.58	21.06	22.13	22.13	22.47	0.010544	2.73	54.84	84.49	0.92
C32	34.23079	TR 500	157.13	21.06	22.23	22.23	22.59	0.010277	2.87	62.86	89.36	0.92
C32	0	TR 50	93.64	20.60	21.14	21.26	21.56	0.044054	2.84	32.95	101.02	1.59
C32	0	TR 100	112.48	20.60	21.18	21.32	21.66	0.046449	3.08	36.53	103.33	1.65
C32	0	TR 200	131.58	20.60	21.21	21.38	21.77	0.049307	3.32	39.68	105.03	1.72
C32	0	TR 500	157.13	20.60	21.25	21.45	21.89	0.050396	3.55	44.25	107.44	1.77

Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q Culv Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	Culv Vel US (m/s)	Culv Vel DS (m/s)
C32	4409.887 Culvert #1	TR 50	69.30	69.29	69.30	68.70	68.77	5.51	41.47	1.92	2.94	5.95
C32	4409.887 Culvert #1	TR 100	69.37	69.36	69.38	69.37	68.77	8.29	48.03	1.90	4.42	4.42
C32	4409.887 Culvert #1	TR 200	69.44	69.43	69.44	68.76	68.77	5.79	60.06	1.91	3.09	6.11
C32	4409.887 Culvert #1	TR 500	69.51	69.49	69.53	69.51	68.77	8.78	69.98	1.89	4.68	4.68
C32	3100.464 Culvert #1	TR 50	54.47	54.46	54.47	54.13	53.93	31.71	51.51	2.82	4.73	5.07
C32	3100.464 Culvert #1	TR 100	54.57	54.56	54.57	54.20	53.93	32.49	67.91	2.83	4.78	5.11
C32	3100.464 Culvert #1	TR 200	54.67	54.66	54.67	54.25	53.93	33.18	84.72	2.83	4.29	6.68
C32	3100.464 Culvert #1	TR 500	54.78	54.76	54.78	54.31	53.93	33.94	107.51	2.84	4.38	6.81
C32	2023.907 Culvert #1	TR 50	45.07	45.07	45.07	45.02	44.93	76.55	12.63	4.32	5.46	5.46
C32	2023.907 Culvert #1	TR 100	45.18	45.18	45.18	44.83	44.93	77.90	29.53	4.35	5.51	6.44
C32	2023.907 Culvert #1	TR 200	45.27	45.27	45.27	44.87	44.93	78.93	47.06	4.36	5.55	6.47
C32	2023.907 Culvert #1	TR 500	45.37	45.36	45.37	44.94	44.93	80.07	70.80	4.37	5.59	5.59
C32	559.4641 Culvert #1	TR 50	27.74	27.72	27.76	27.74	27.11	19.59	74.05	1.43	4.66	4.66
C32	559.4641 Culvert #1	TR 100	27.83	27.81	27.85	27.83	27.11	19.55	92.93	1.43	4.65	4.65
C32	559.4641 Culvert #1	TR 200	27.92	27.89	27.93	27.92	27.11	19.49	112.09	1.41	4.64	4.64
C32	559.4641 Culvert #1	TR 500	28.03	28.00	28.05	28.03	27.11	19.52	137.49	1.41	4.65	4.65

COMUNE DI ALGHERO

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale ai sensi dell'art.8 comma 2 delle N.A. del PAI

Area di indagine: **TERRITORIO COMUNALE**

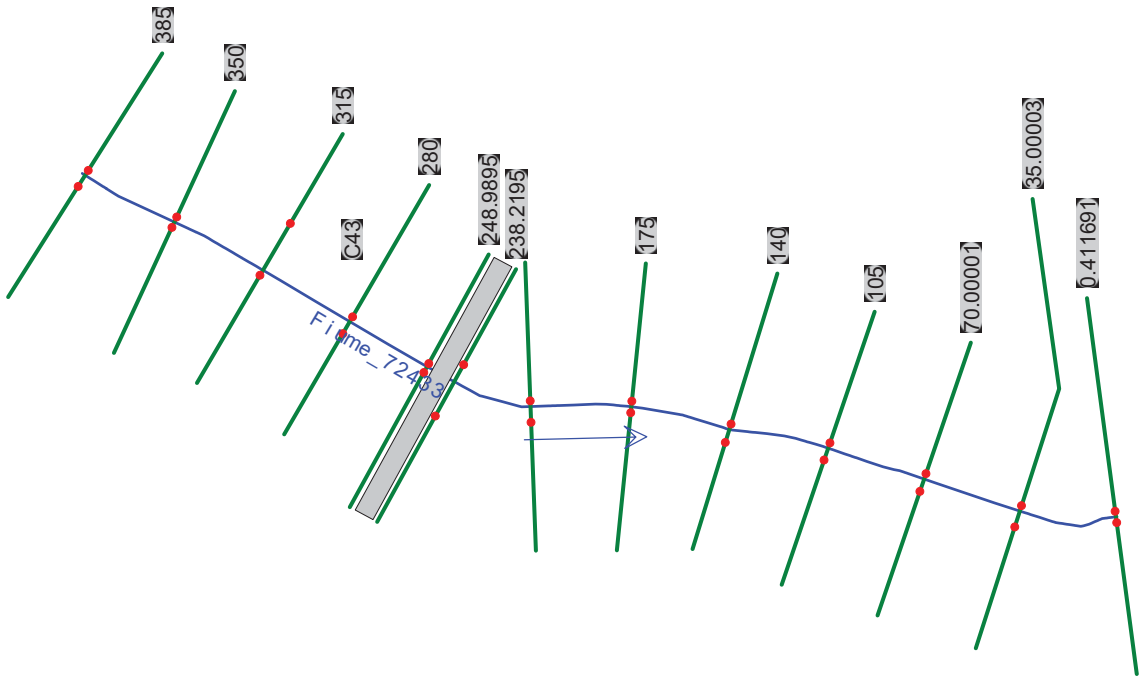
SIMULAZIONI IN MOTO PERMANENTE

Modello 11 - Fiume 72433

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per i tempi di ritorno 50, 100, 200 e 500 anni;

River	Reach	RS	PORTATE mc/s			
			TR 50	TR 100	TR 200	TR 500
Fiume_72433	C43	385	8.788	9.974	11.188	12.908

River	Reach	PROFILI	condizioni al contorno	
			upstream	downstream
Fiume_72433	C43	all	Critical Depth	Normal Depth $S = 0.12687$

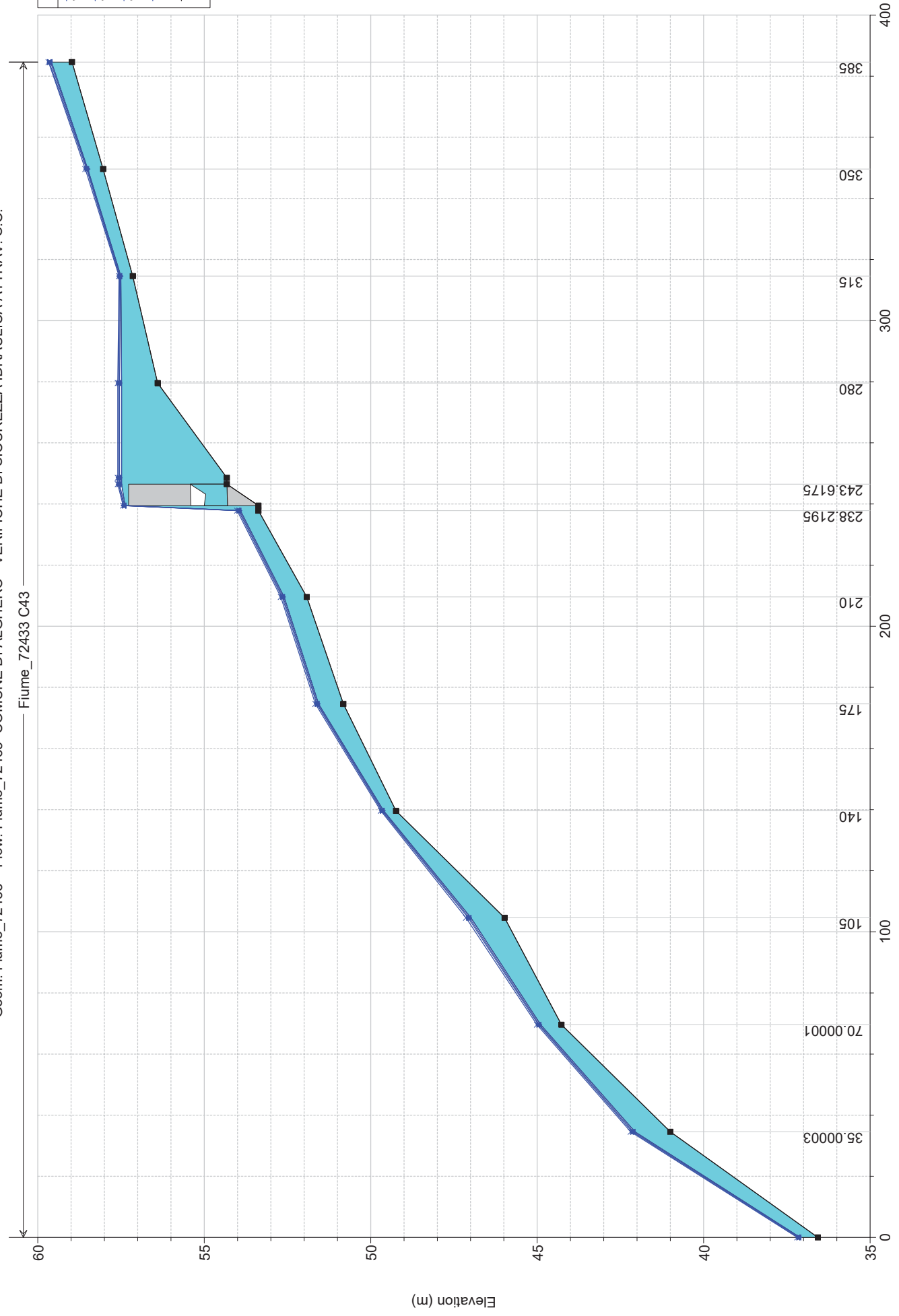


Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

Fiume_72433 C43

Legend	
WS TR 500	x
WS TR 200	▲
WS TR 100	▲
WS TR 50	■
Ground	■



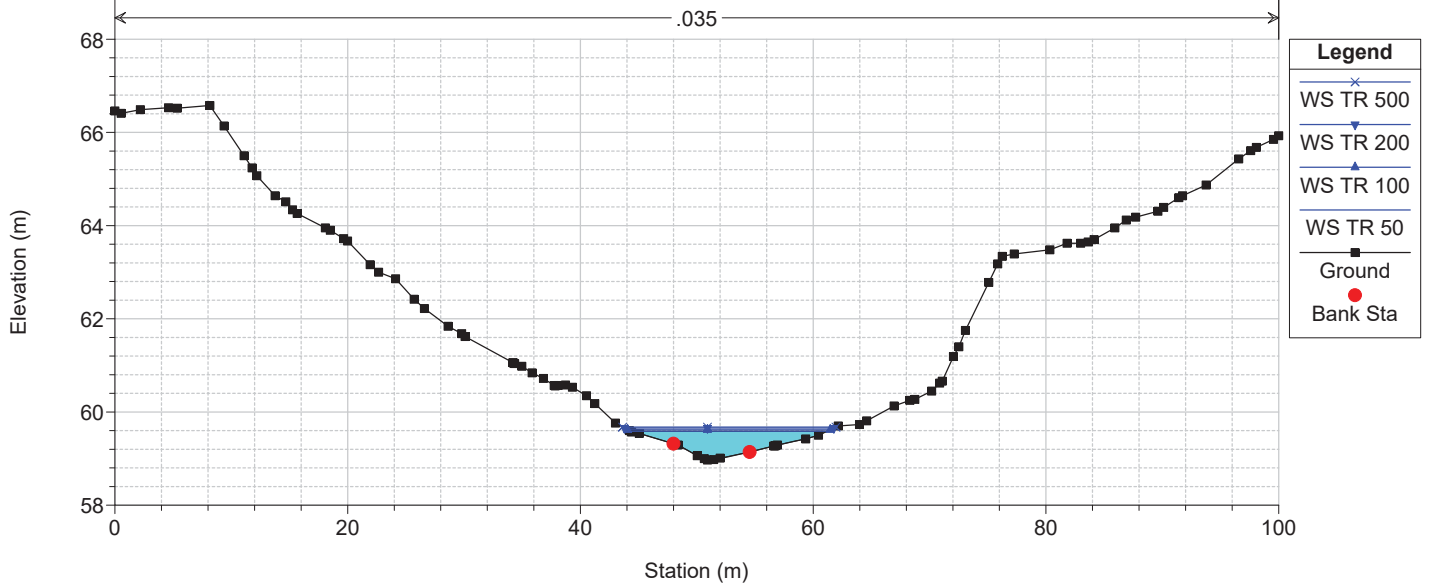
Main Channel Distance (m)

Elevation (m)

Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

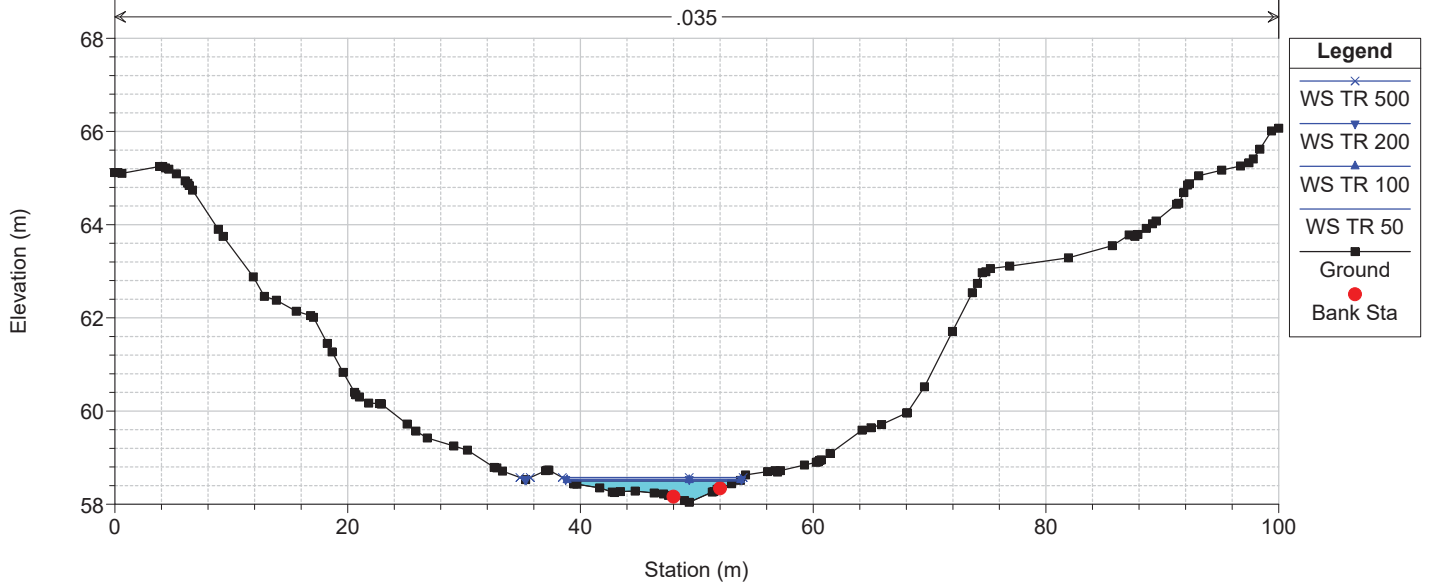
River = Fiume_72433 Reach = C43 RS = 385 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

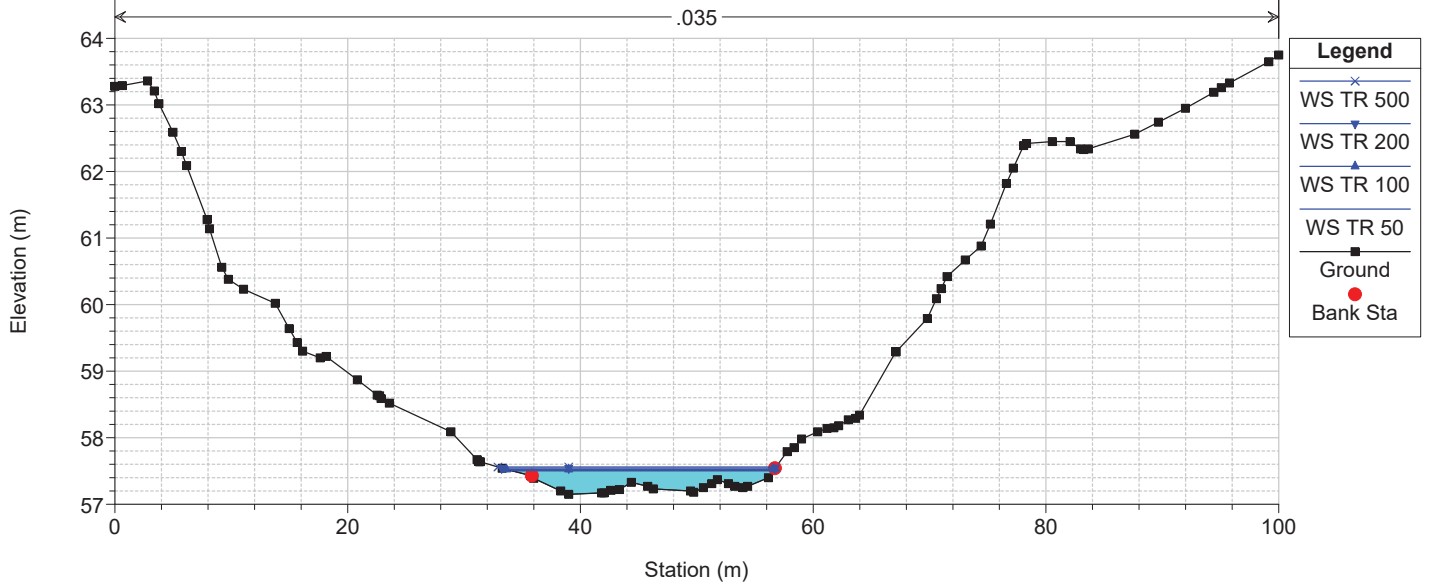
River = Fiume_72433 Reach = C43 RS = 350 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

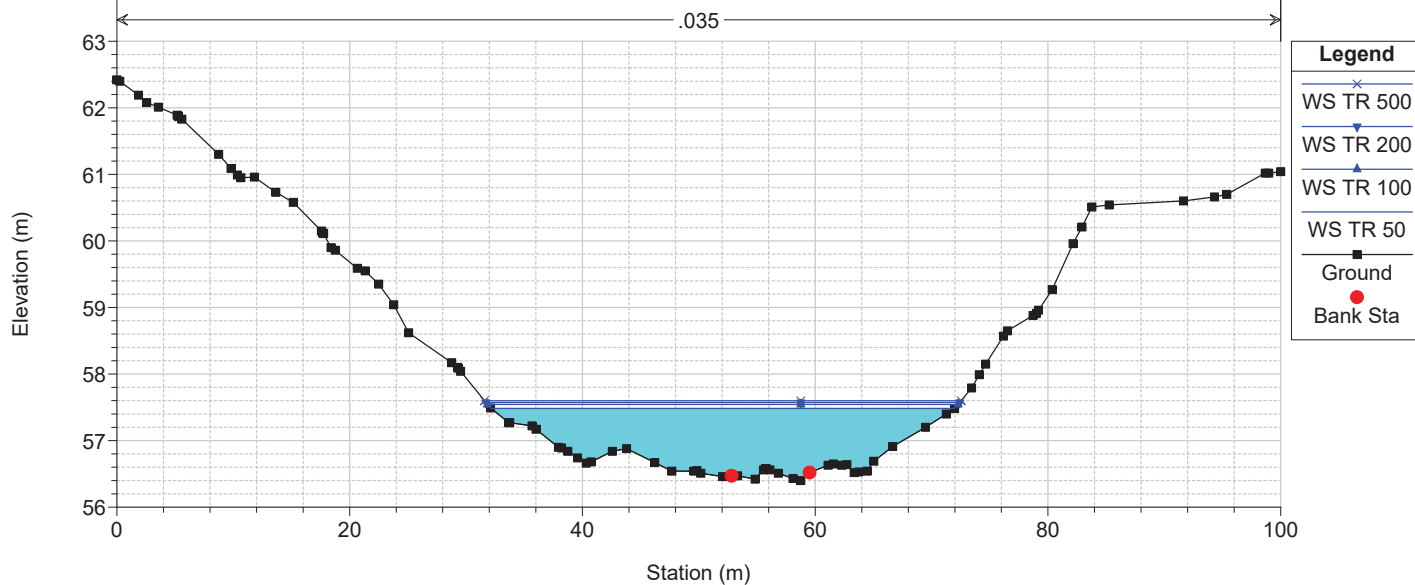
River = Fiume_72433 Reach = C43 RS = 315 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

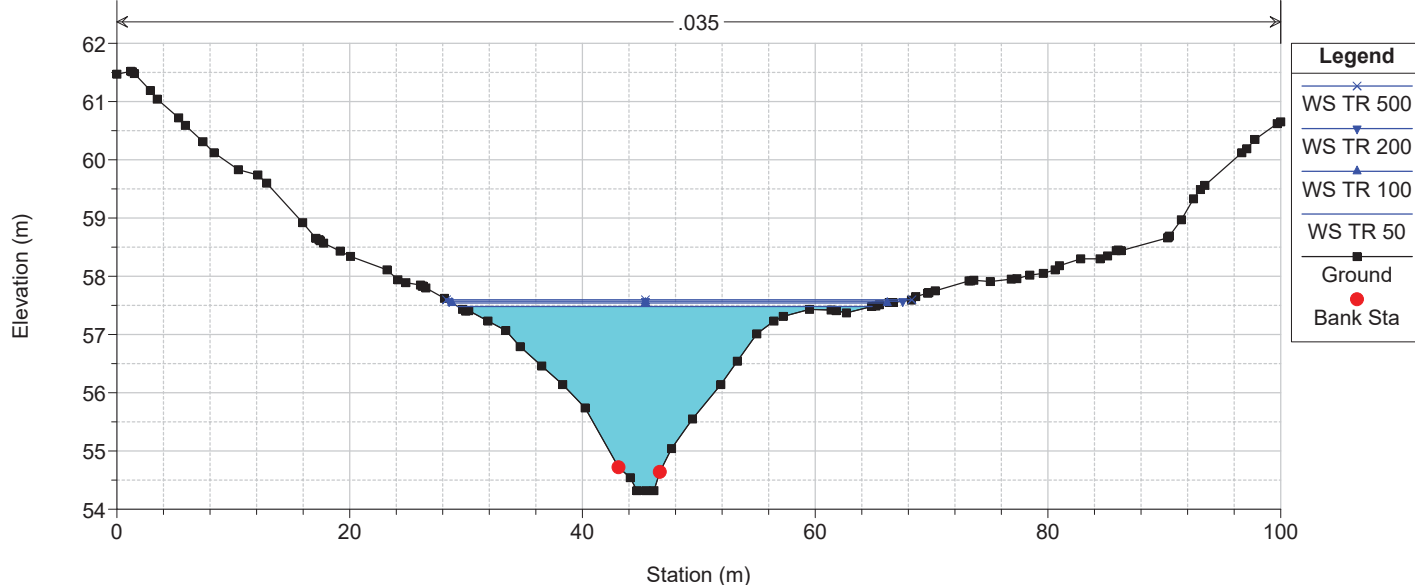
River = Fiume_72433 Reach = C43 RS = 280 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

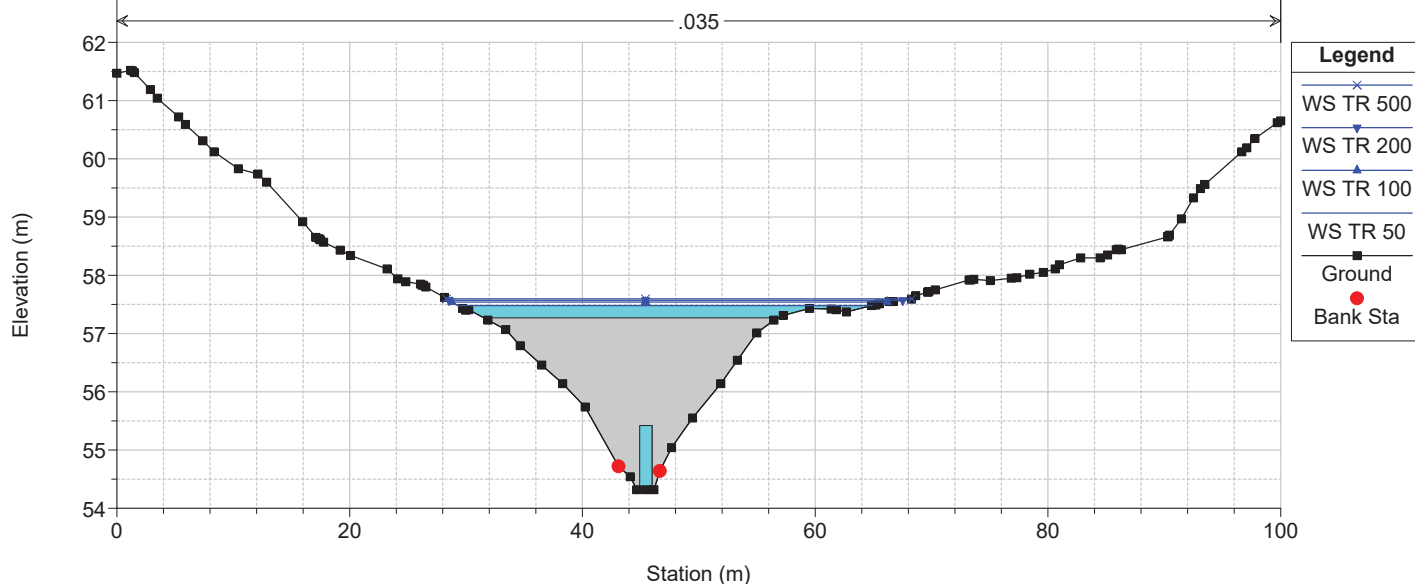
River = Fiume_72433 Reach = C43 RS = 248.9895 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

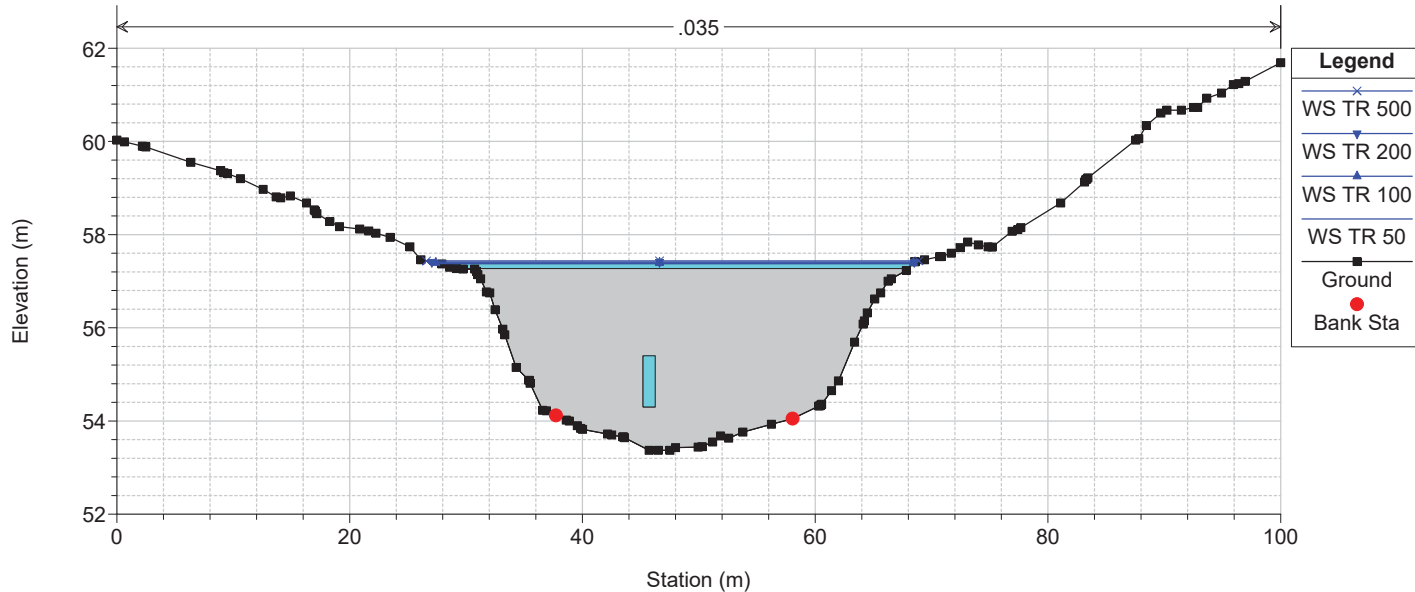
River = Fiume_72433 Reach = C43 RS = 243.6175 Culv COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

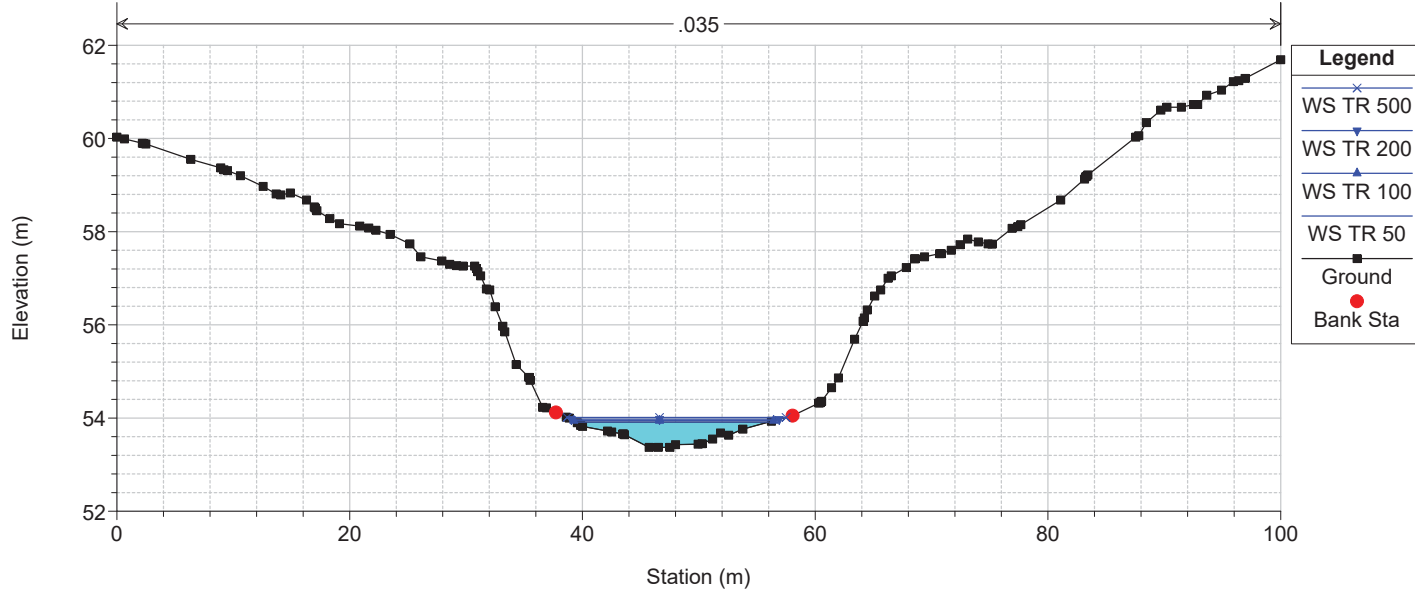
River = Fiume_72433 Reach = C43 RS = 243.6175 Culv COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

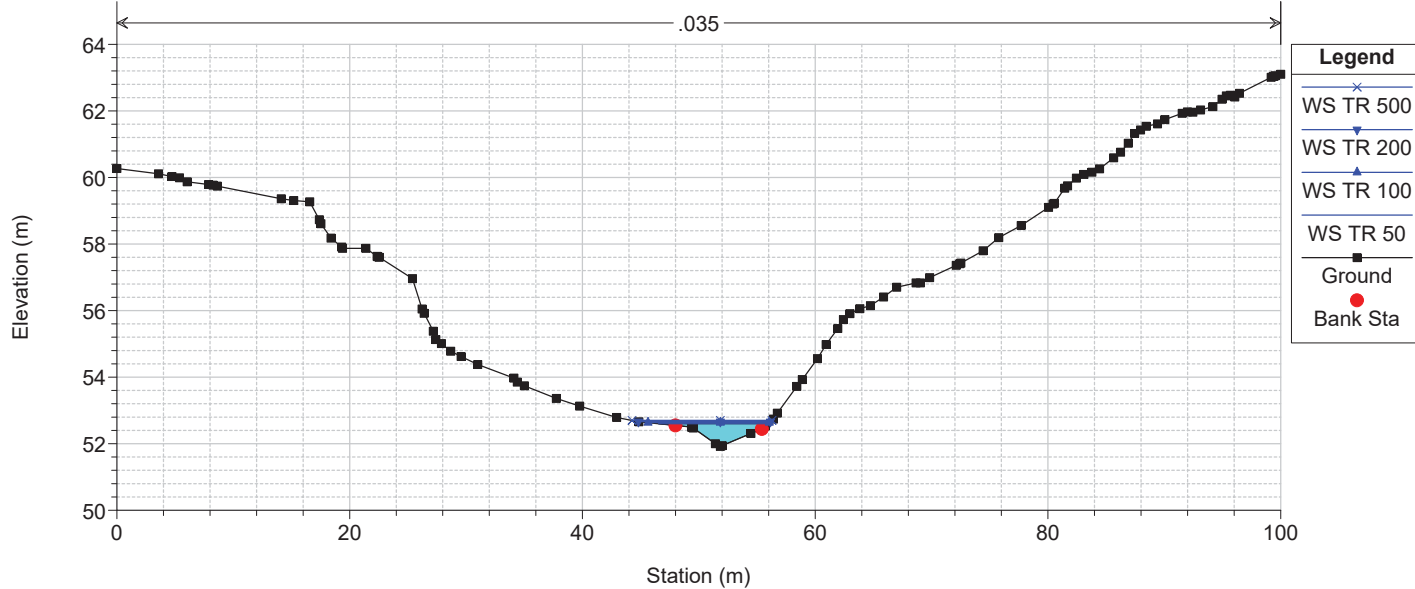
River = Fiume_72433 Reach = C43 RS = 238.2195 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

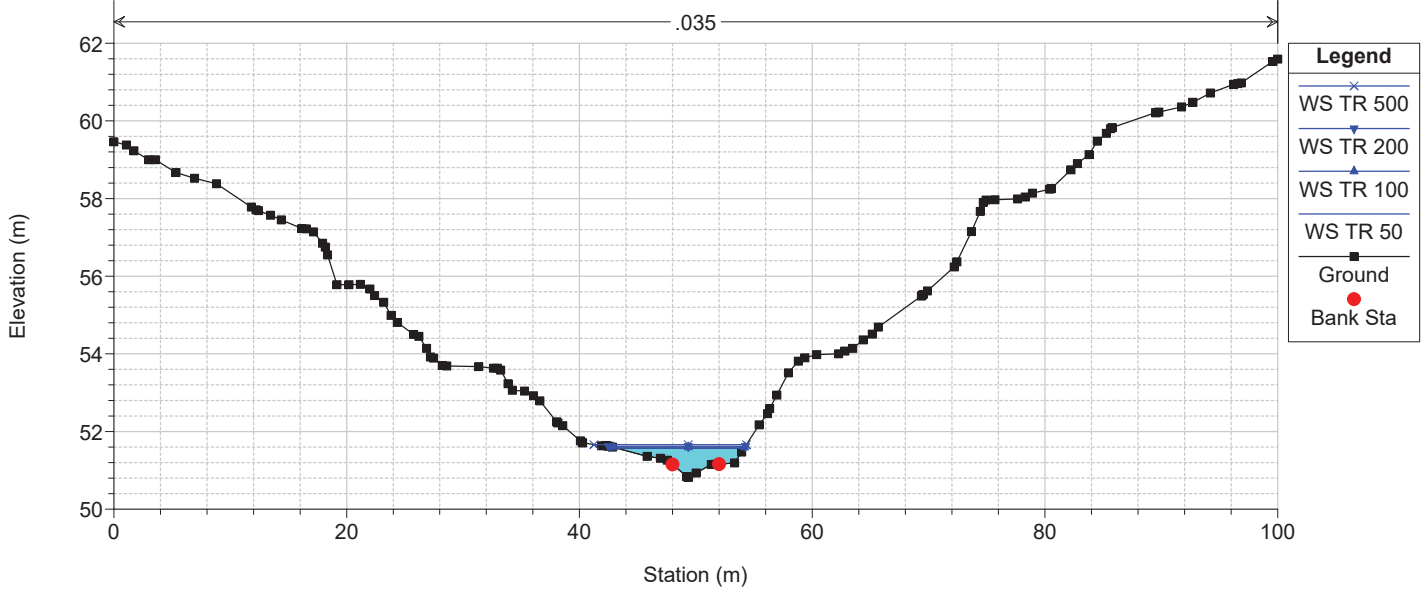
River = Fiume_72433 Reach = C43 RS = 210 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

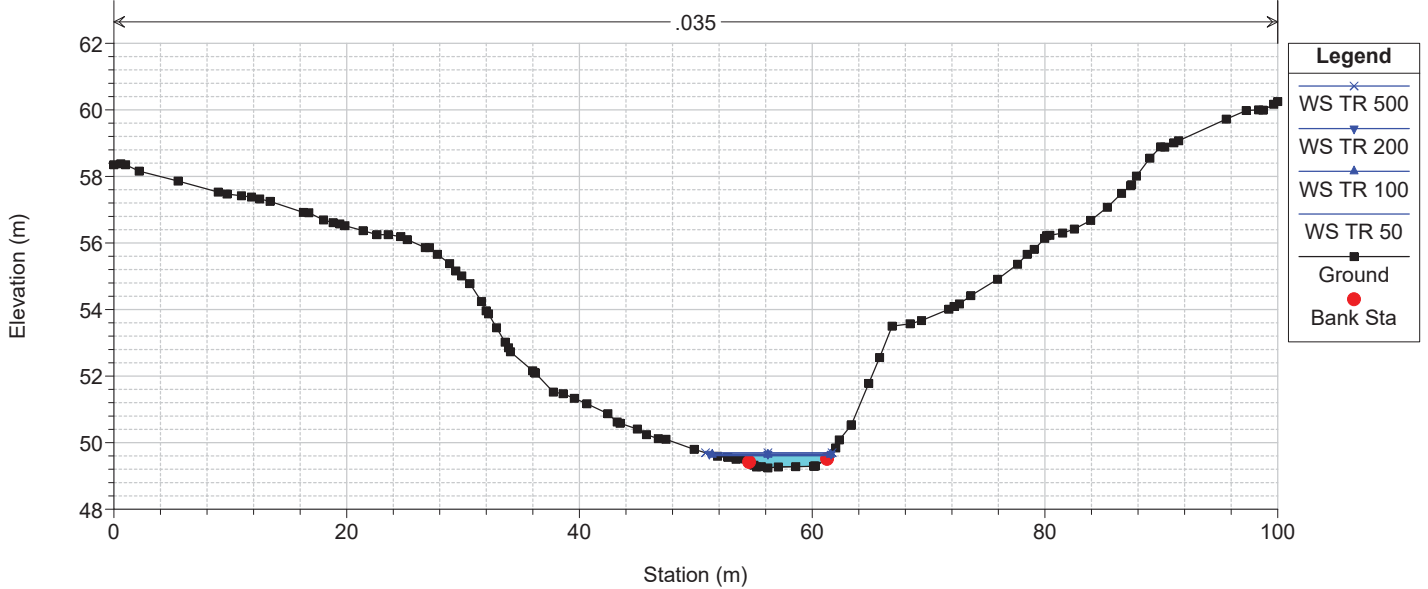
River = Fiume_72433 Reach = C43 RS = 175 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

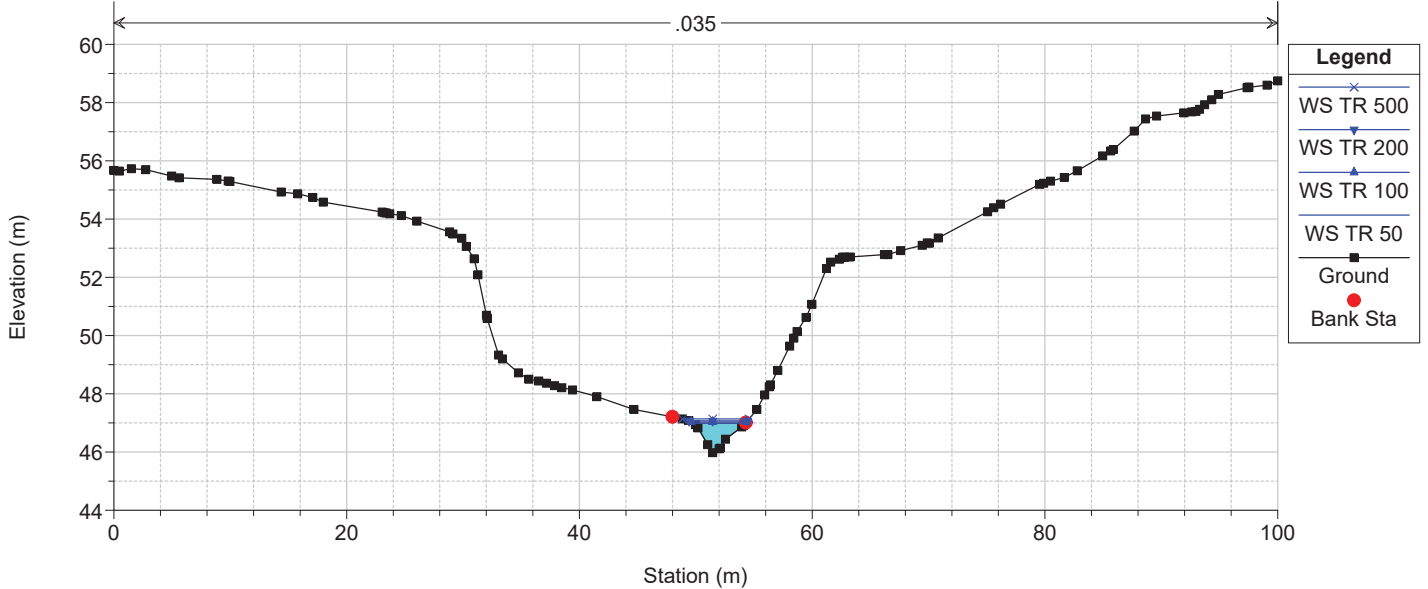
River = Fiume_72433 Reach = C43 RS = 140 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

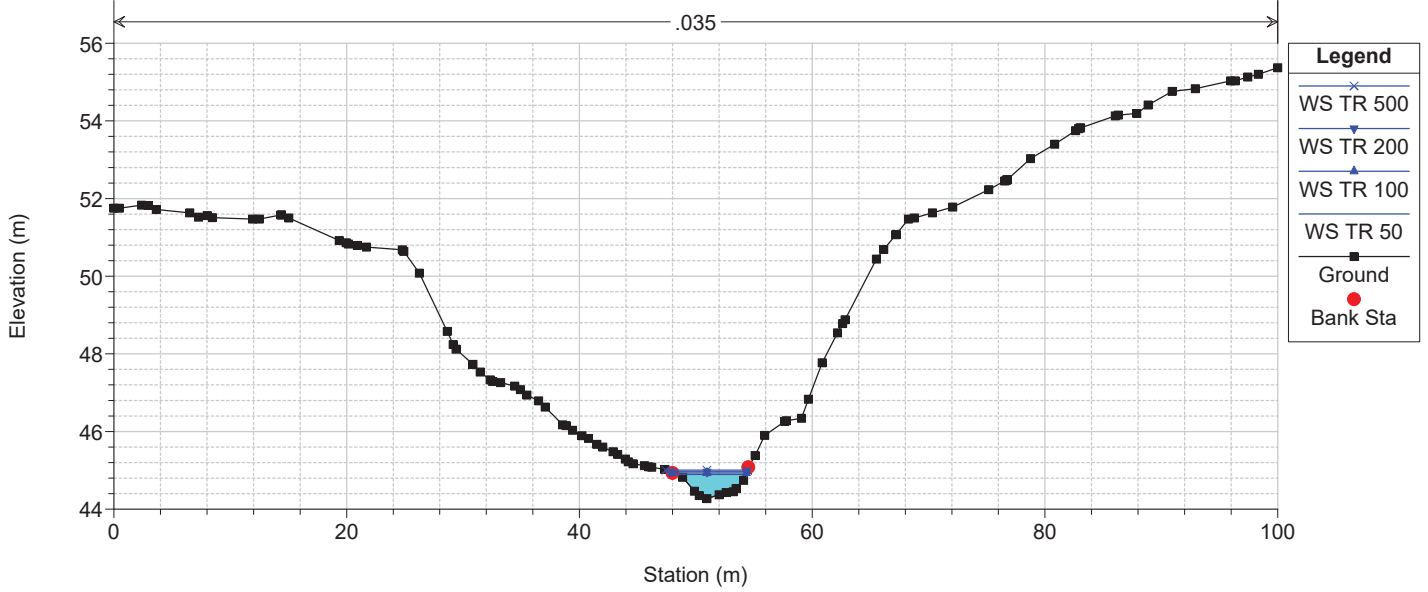
River = Fiume_72433 Reach = C43 RS = 105 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

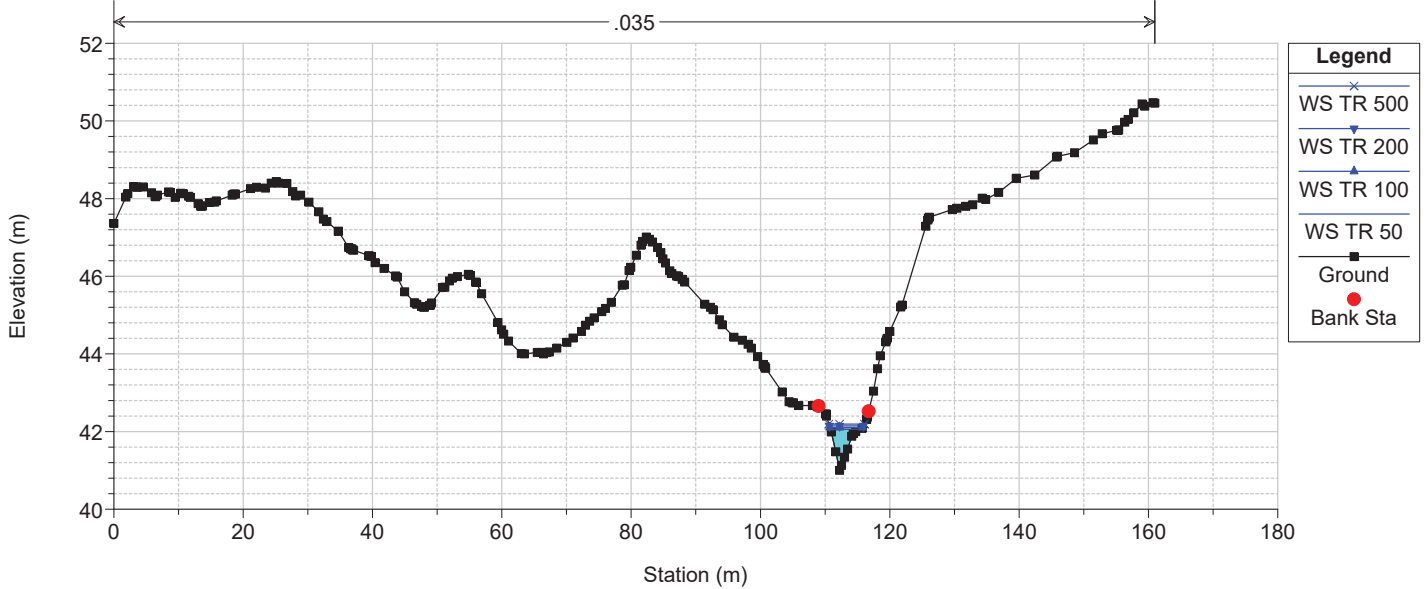
River = Fiume_72433 Reach = C43 RS = 70.00001 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

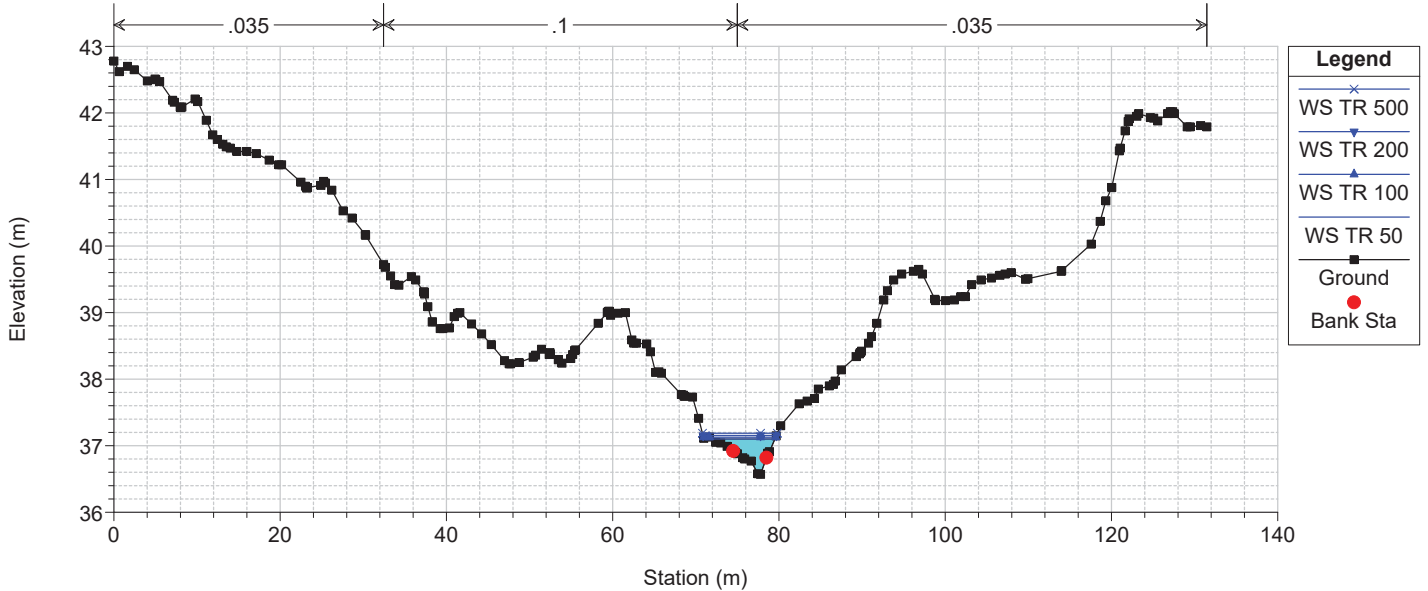
River = Fiume_72433 Reach = C43 RS = 35.00003 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_72433 Plan: Plan 01 4/13/2021

Geom: Fiume_72433 Flow: Fiume_72433

River = Fiume_72433 Reach = C43 RS = 0.411691 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



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
C43	385	TR 50	8.79	58.97	59.59	59.59	59.75	0.012082	1.97	5.37	16.92	0.89
C43	385	TR 100	9.97	58.97	59.62	59.62	59.79	0.012011	2.04	5.90	17.40	0.90
C43	385	TR 200	11.19	58.97	59.66	59.66	59.83	0.011321	2.07	6.56	17.99	0.88
C43	385	TR 500	12.91	58.97	59.68	59.68	59.89	0.012898	2.27	6.94	18.33	0.95
C43	350	TR 50	8.79	58.04	58.50	58.63	58.92	0.059041	3.35	3.23	14.60	1.84
C43	350	TR 100	9.97	58.04	58.52	58.66	58.97	0.057884	3.46	3.55	14.93	1.84
C43	350	TR 200	11.19	58.04	58.53	58.70	59.03	0.059813	3.62	3.79	15.20	1.89
C43	350	TR 500	12.91	58.04	58.57	58.72	59.06	0.051481	3.59	4.41	16.43	1.78
C43	315	TR 50	8.79	57.15	57.51	57.52	57.65	0.021966	1.68	5.28	22.53	1.07
C43	315	TR 100	9.97	57.15	57.52	57.54	57.68	0.022486	1.78	5.68	23.00	1.10
C43	315	TR 200	11.19	57.15	57.54	57.57	57.72	0.022616	1.86	6.11	23.48	1.11
C43	315	TR 500	12.91	57.15	57.56	57.60	57.77	0.024712	2.02	6.51	23.87	1.17
C43	280	TR 50	8.79	56.40	57.48	56.82	57.49	0.000186	0.39	28.01	39.84	0.12
C43	280	TR 100	9.97	56.40	57.54	56.84	57.55	0.000186	0.41	30.46	40.43	0.13
C43	280	TR 200	11.19	56.40	57.57	56.86	57.58	0.000207	0.44	31.66	40.71	0.13
C43	280	TR 500	12.91	56.40	57.60	56.88	57.61	0.000249	0.49	32.75	40.96	0.15
C43	248.9895	TR 50	8.79	54.32	57.48	55.28	57.48	0.000039	0.36	40.07	35.61	0.07
C43	248.9895	TR 100	9.97	54.32	57.54	55.34	57.55	0.000045	0.39	42.29	37.41	0.07
C43	248.9895	TR 200	11.19	54.32	57.57	55.40	57.58	0.000054	0.43	43.41	38.98	0.08
C43	248.9895	TR 500	12.91	54.32	57.60	55.48	57.60	0.000068	0.49	44.44	39.99	0.09
C43	243.6175		Culvert									
C43	238.2195	TR 50	8.79	53.37	53.91	53.91	54.07	0.018424	1.75	5.02	16.51	1.01
C43	238.2195	TR 100	9.97	53.37	53.94	53.94	54.11	0.018060	1.80	5.54	17.17	1.01
C43	238.2195	TR 200	11.19	53.37	53.97	53.97	54.15	0.017465	1.84	6.09	17.87	1.00
C43	238.2195	TR 500	12.91	53.37	54.01	54.01	54.20	0.017242	1.90	6.80	18.81	1.01
C43	210	TR 50	8.79	51.92	52.60	52.79	53.18	0.058070	3.37	2.66	9.40	1.83
C43	210	TR 100	9.97	51.92	52.63	52.83	53.24	0.055091	3.48	2.97	10.42	1.81
C43	210	TR 200	11.19	51.92	52.66	52.87	53.30	0.052665	3.58	3.30	11.34	1.79
C43	210	TR 500	12.91	51.92	52.70	52.91	53.38	0.050351	3.72	3.75	12.03	1.77
C43	175	TR 50	8.79	50.82	51.56	51.64	51.91	0.022624	2.86	3.73	10.87	1.23
C43	175	TR 100	9.97	50.82	51.59	51.72	51.97	0.023492	3.02	4.05	11.28	1.26
C43	175	TR 200	11.19	50.82	51.62	51.76	52.03	0.024179	3.16	4.38	11.76	1.29
C43	175	TR 500	12.91	50.82	51.66	51.80	52.11	0.024812	3.34	4.88	13.10	1.32
C43	140	TR 50	8.79	49.24	49.61	49.83	50.42	0.096755	4.06	2.31	9.84	2.33
C43	140	TR 100	9.97	49.24	49.64	49.87	50.48	0.090603	4.15	2.59	10.16	2.28
C43	140	TR 200	11.19	49.24	49.66	49.90	50.54	0.086260	4.26	2.86	10.47	2.25
C43	140	TR 500	12.91	49.24	49.70	49.95	50.62	0.081691	4.40	3.22	10.87	2.23
C43	105	TR 50	8.79	45.98	46.99	47.26	47.81	0.059137	4.01	2.19	4.50	1.84
C43	105	TR 100	9.97	45.98	47.03	47.33	47.92	0.060044	4.16	2.40	4.77	1.87
C43	105	TR 200	11.19	45.98	47.07	47.39	48.02	0.060377	4.31	2.60	5.02	1.89
C43	105	TR 500	12.91	45.98	47.14	47.47	48.13	0.061919	4.42	2.94	5.72	1.93
C43	70.00001	TR 50	8.79	44.27	44.89	45.13	45.62	0.064356	3.77	2.33	6.02	1.93
C43	70.00001	TR 100	9.97	44.27	44.93	45.20	45.70	0.064604	3.89	2.57	6.36	1.95
C43	70.00001	TR 200	11.19	44.27	44.96	45.24	45.80	0.064748	4.06	2.76	6.62	1.97
C43	70.00001	TR 500	12.91	44.27	45.01	45.30	45.92	0.062956	4.24	3.06	7.01	1.97
C43	35.00003	TR 50	8.79	41.00	42.06	42.35	43.03	0.083817	4.37	2.01	4.67	2.13
C43	35.00003	TR 100	9.97	41.00	42.11	42.41	43.12	0.083481	4.45	2.24	5.07	2.14
C43	35.00003	TR 200	11.19	41.00	42.15	42.47	43.22	0.083238	4.59	2.44	5.25	2.15
C43	35.00003	TR 500	12.91	41.00	42.19	42.55	43.37	0.084031	4.80	2.69	5.49	2.19
C43	0.411691	TR 50	8.79	36.57	37.10	37.45	38.78	0.189272	5.91	1.74	7.61	3.22
C43	0.411691	TR 100	9.97	36.57	37.13	37.51	38.91	0.184835	6.12	1.96	8.59	3.21
C43	0.411691	TR 200	11.19	36.57	37.15	37.56	39.04	0.182089	6.33	2.19	8.83	3.21
C43	0.411691	TR 500	12.91	36.57	37.19	37.61	39.19	0.178188	6.58	2.49	9.02	3.20

HEC-RAS Plan: Plan 01 River: Fiume_72433 Reach: C43

Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q Culv Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	Culv Vel US (m/s)	Culv Vel DS (m/s)
C43	243.6175 Culvert #1	TR 50	57.48	57.48	57.48	56.53	57.27	4.41	4.38	3.57	3.82	6.00
C43	243.6175 Culvert #1	TR 100	57.55	57.54	57.55	56.56	57.27	4.47	5.50	3.60	3.87	6.07
C43	243.6175 Culvert #1	TR 200	57.58	57.57	57.58	57.52	57.27	4.50	6.69	3.60	3.90	3.90
C43	243.6175 Culvert #1	TR 500	57.60	57.60	57.60	57.56	57.27	4.53	8.38	3.58	3.92	3.92

COMUNE DI ALGHERO

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale ai sensi dell'art.8 comma 2 delle N.A. del PAI

Area di indagine: **TERRITORIO COMUNALE**

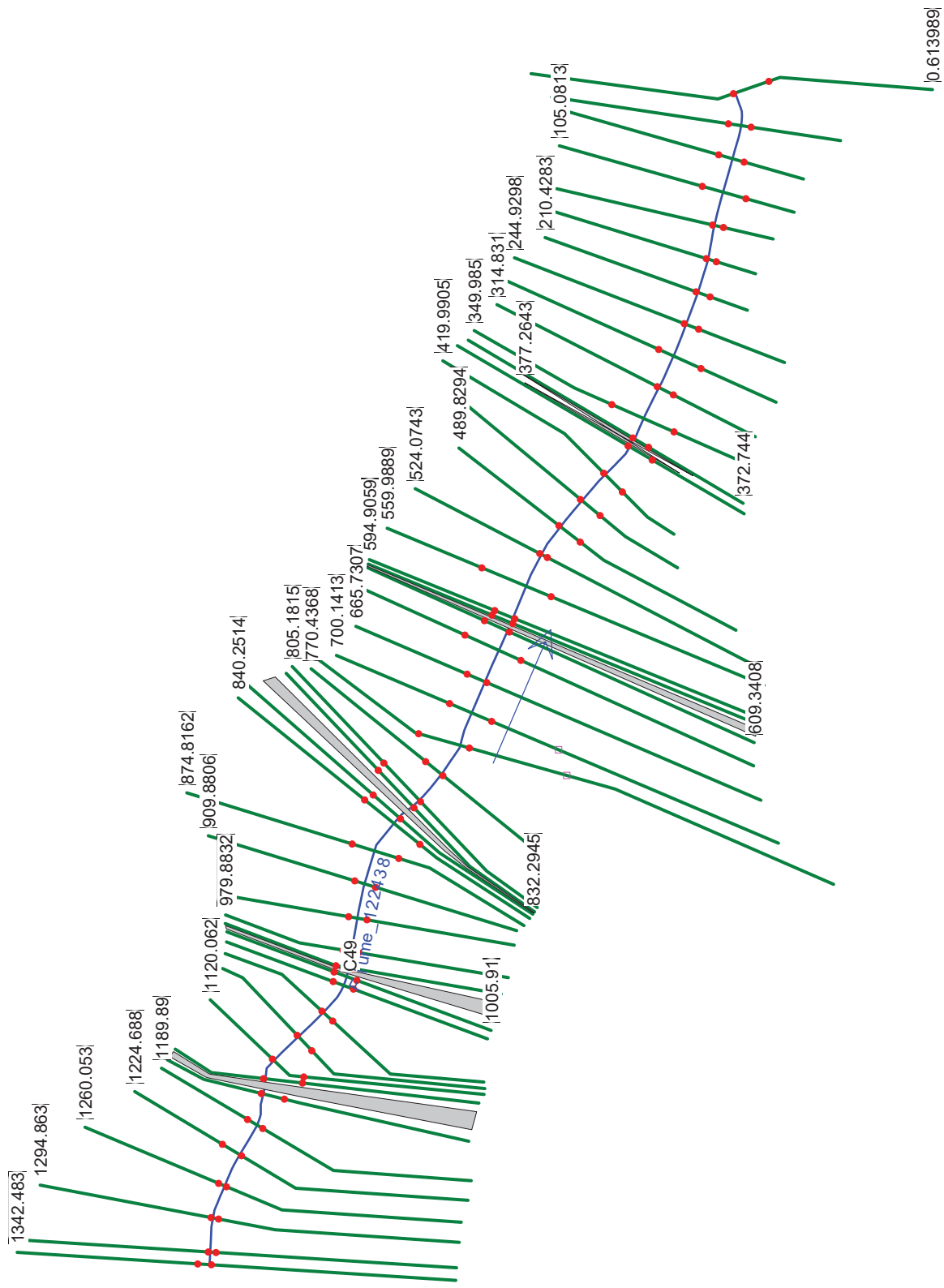
SIMULAZIONI IN MOTO PERMANENTE

Modello 12 - Fiume 122438

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per i tempi di ritorno 50, 100, 200 e 500 anni;

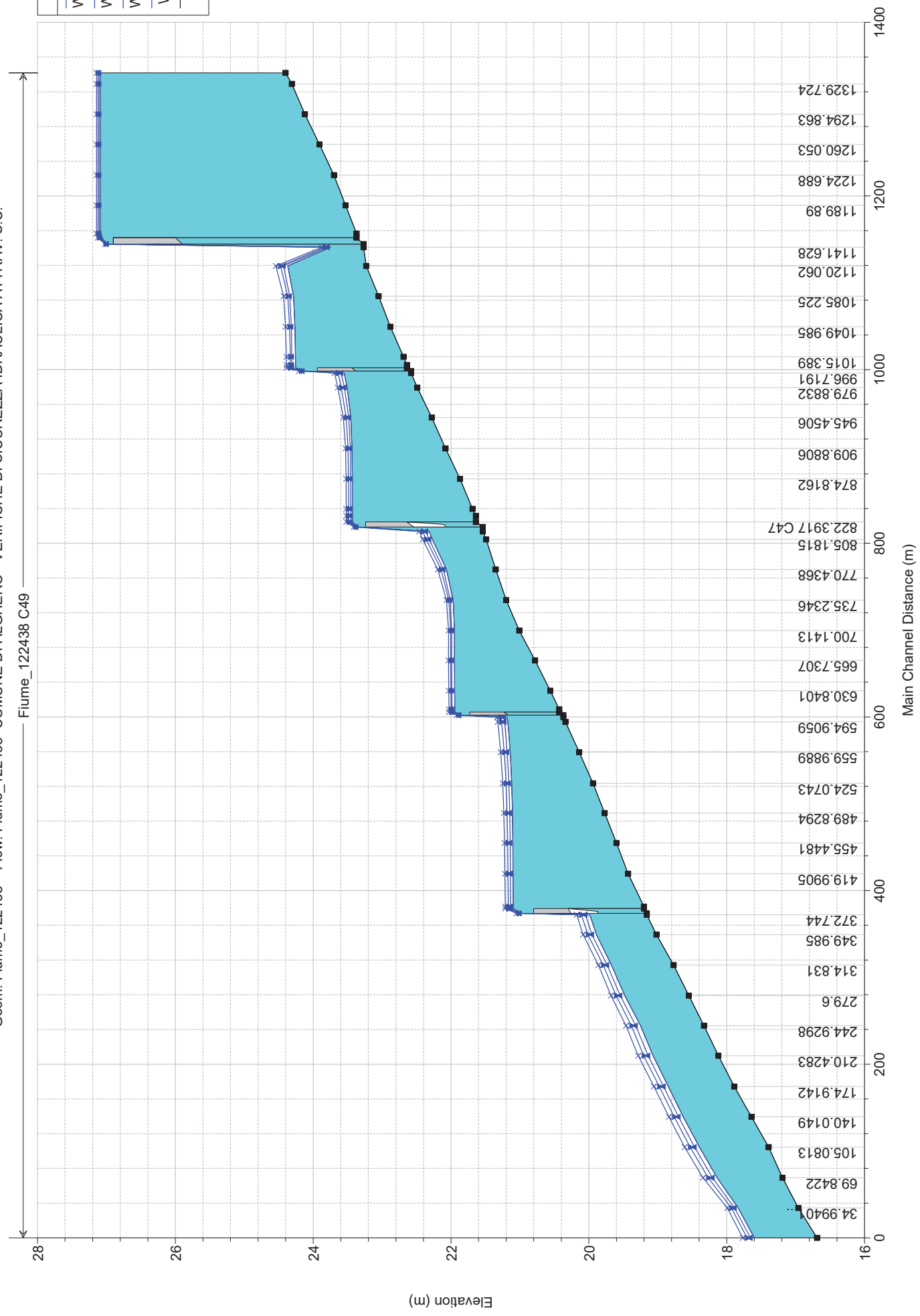
River	Reach	RS	PORTATE mc/s			
			TR 50	TR 100	TR 200	TR 500
Fiume_122438	C49	1342.483	27.792	32.853	37.954	44.754

River	Reach	PROFILI	condizioni al contorno	
			upstream	downstream
Fiume_122438	C49	all	Critical Depth	Normal Depth S = 0.00702



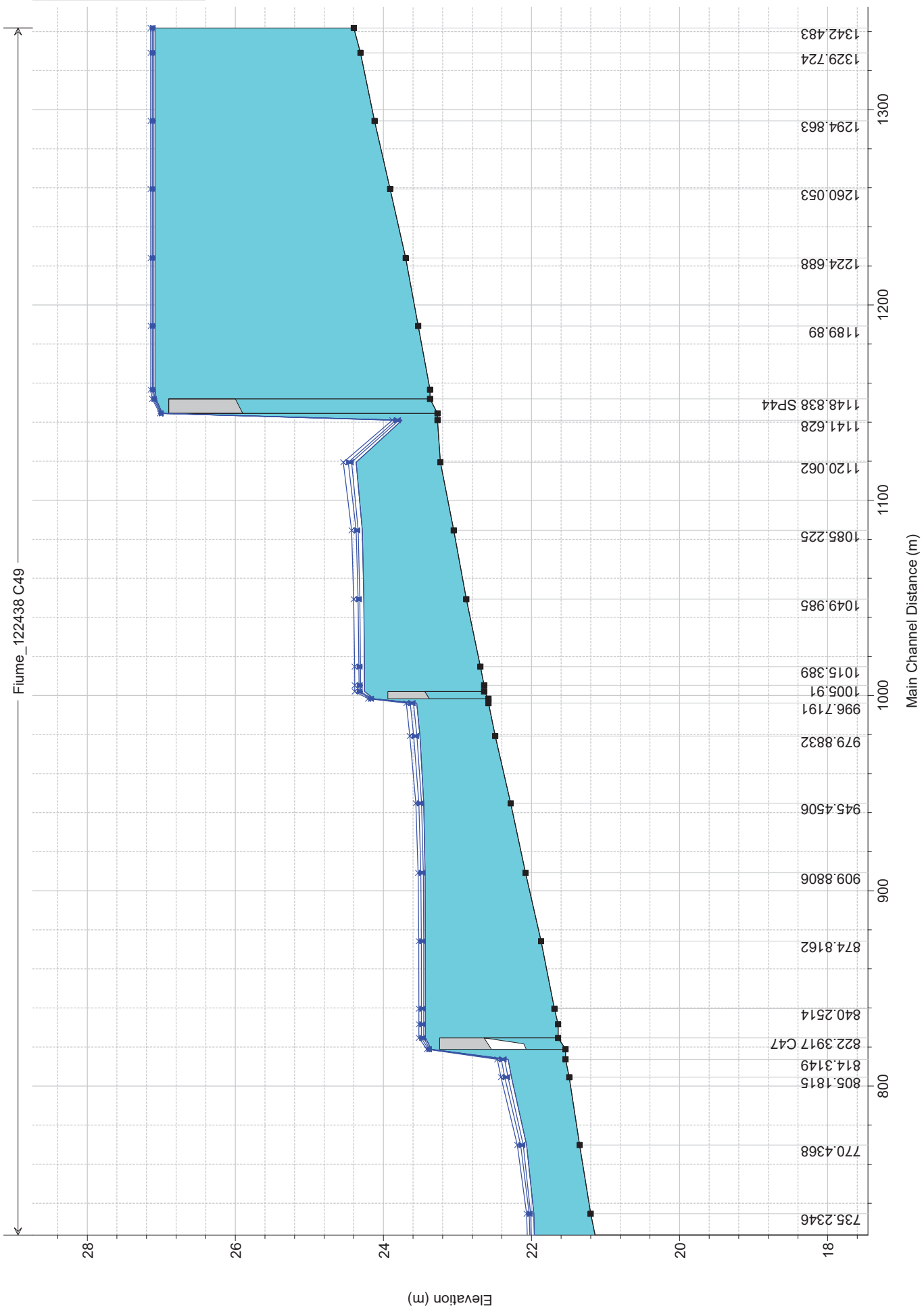
Fiume_122438 Plan: Plan 01 4/26/2021
 Geom: Fiume_122438 Flow: Fiume_122438 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.
 Fiume_122438 C49

Legend	
WS TR 500	✕
WS TR 200	▶
WS TR 100	▲
WS TR 50	■
Ground	■



Geom: Fiume_122438 Flow: Fiume_122438 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

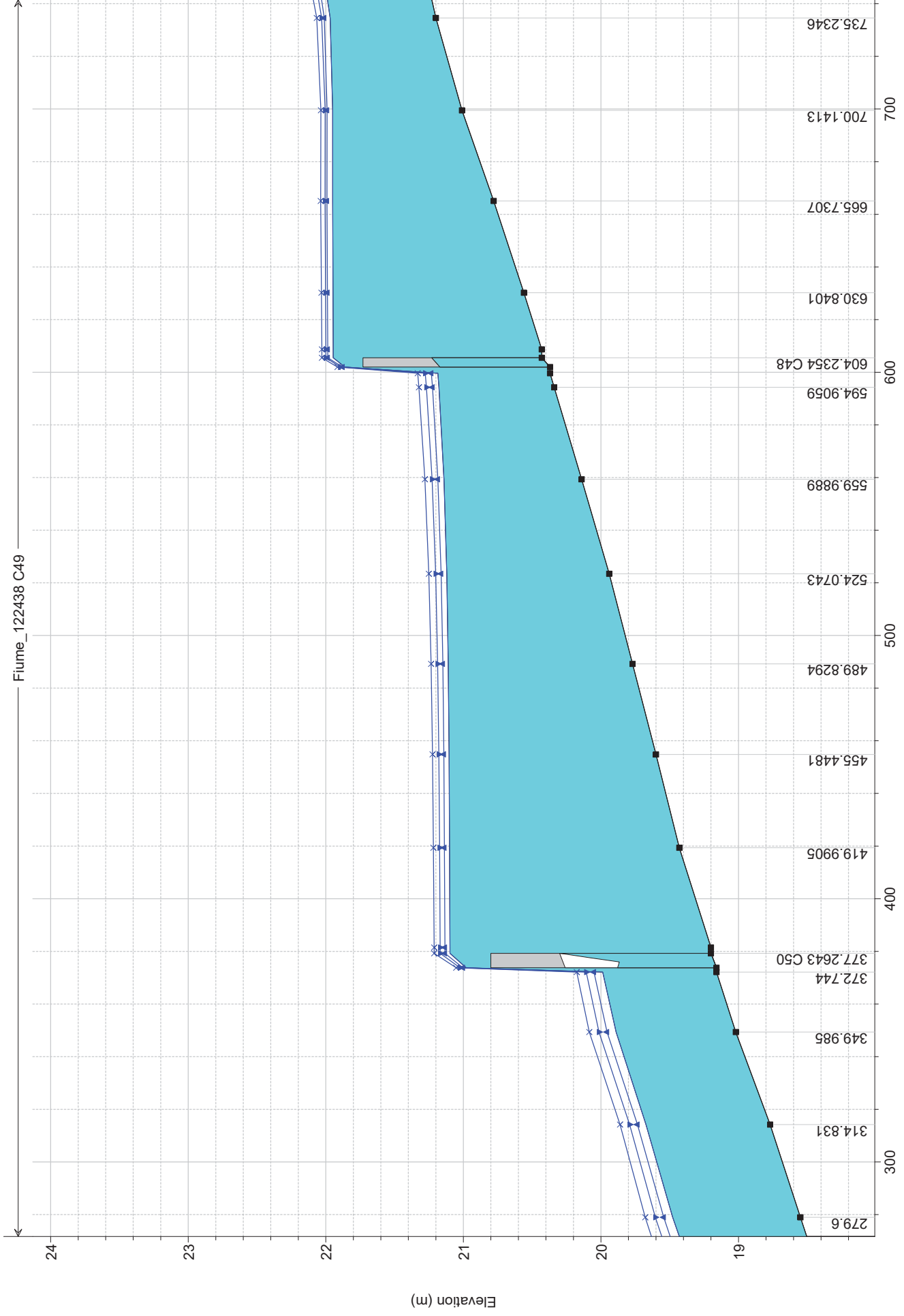
Fiume_122438 Plan: Plan 01 4/26/2021



Legend	
WS TR 500	Blue cross
WS TR 200	Blue triangle
WS TR 100	Blue inverted triangle
WS TR 50	Blue square
Ground	Black square

Fiume_122438 Plan: Plan 01 4/26/2021
 Geom: Fiume_122438 Flow: Fiume_122438 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

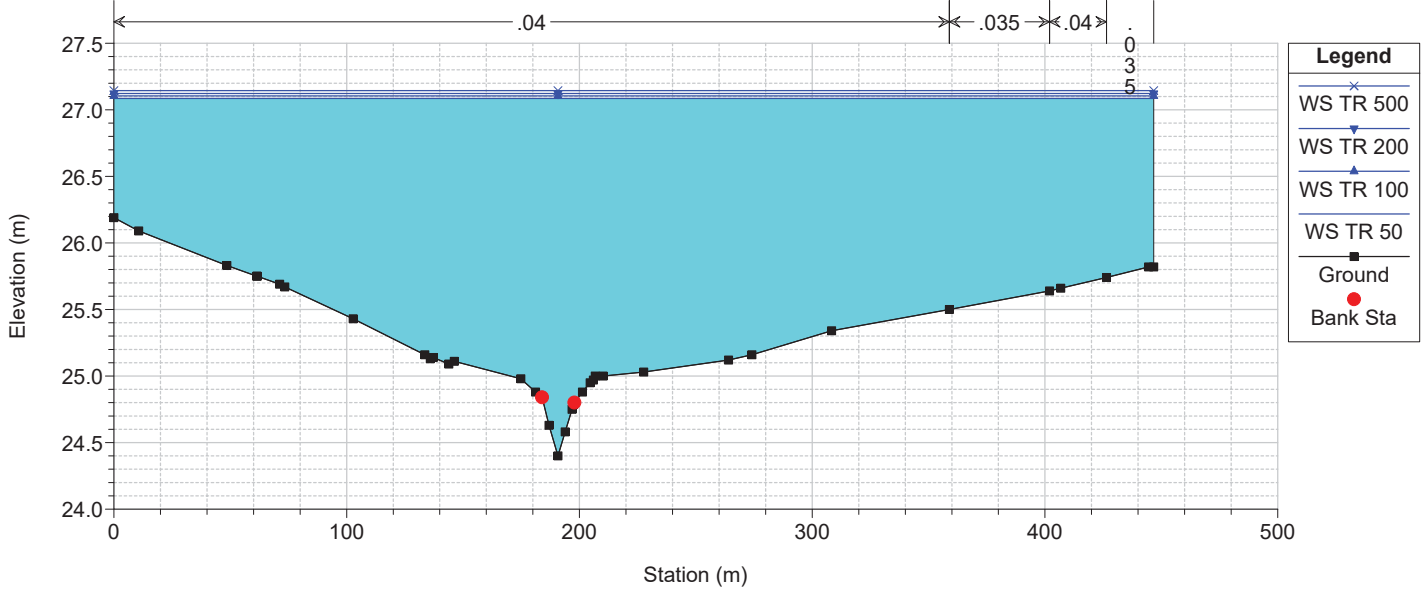
Legend	
WS TR 500	✕
WS TR 200	▶
WS TR 100	▲
WS TR 50	■
Ground	■



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

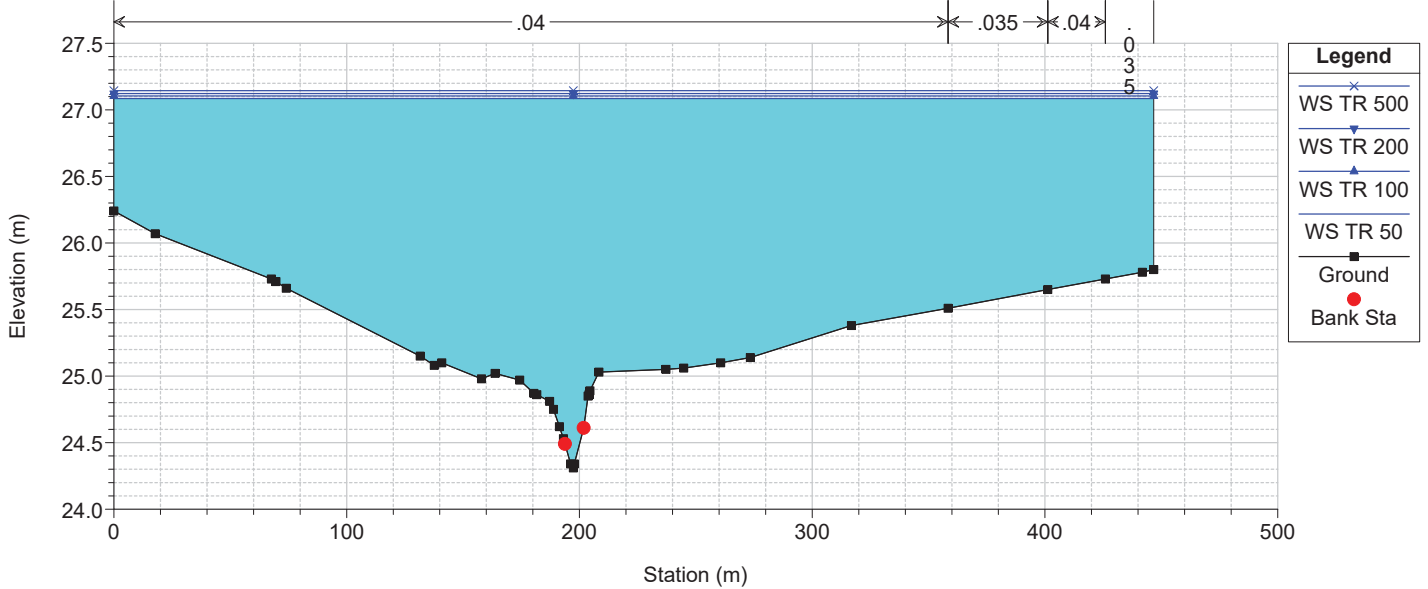
River = Fiume_122438 Reach = C49 RS = 1342.483 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

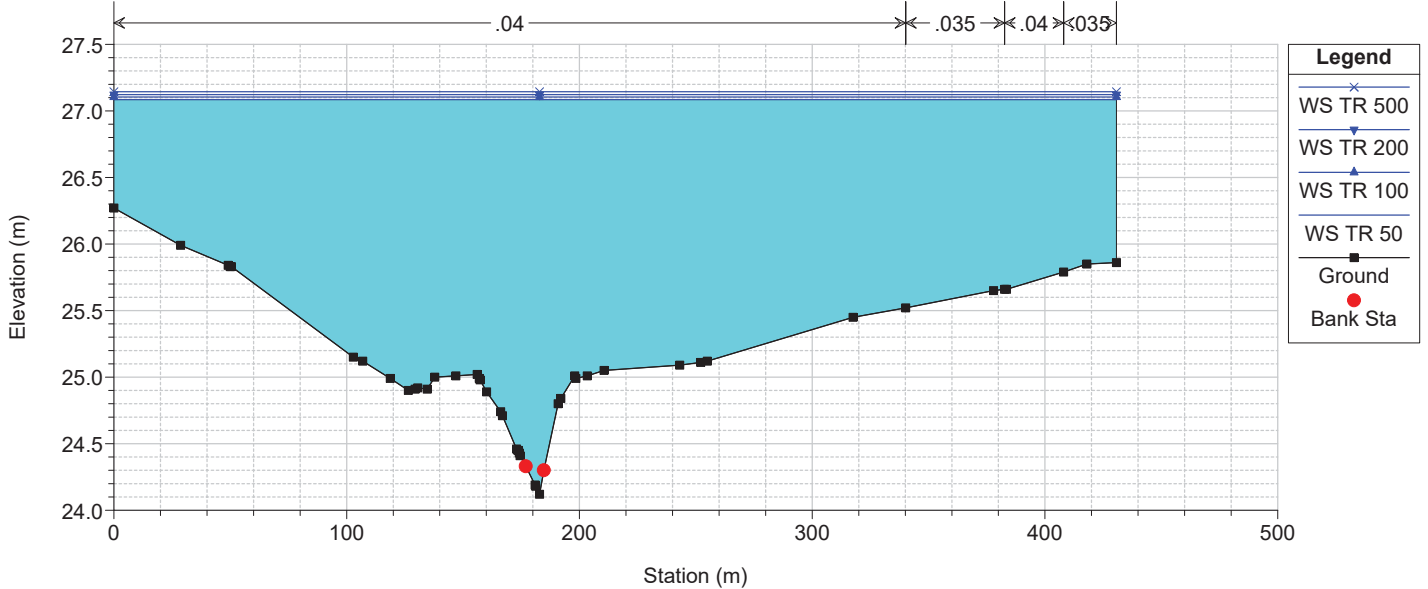
River = Fiume_122438 Reach = C49 RS = 1329.724 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

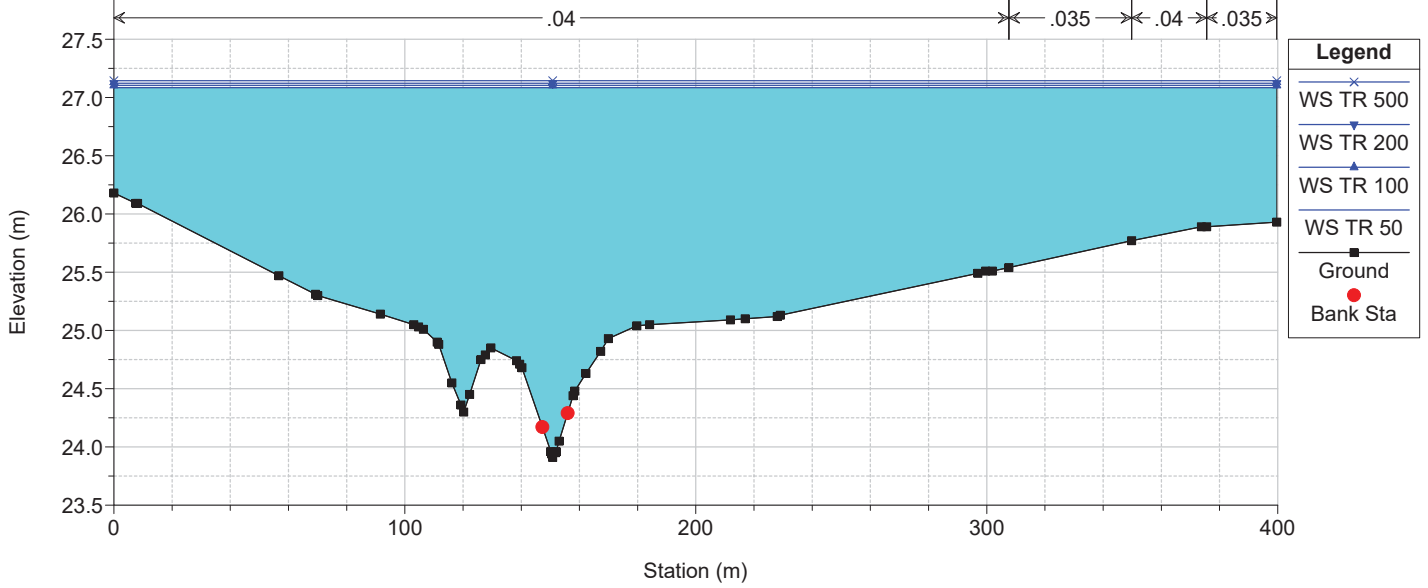
River = Fiume_122438 Reach = C49 RS = 1294.863 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

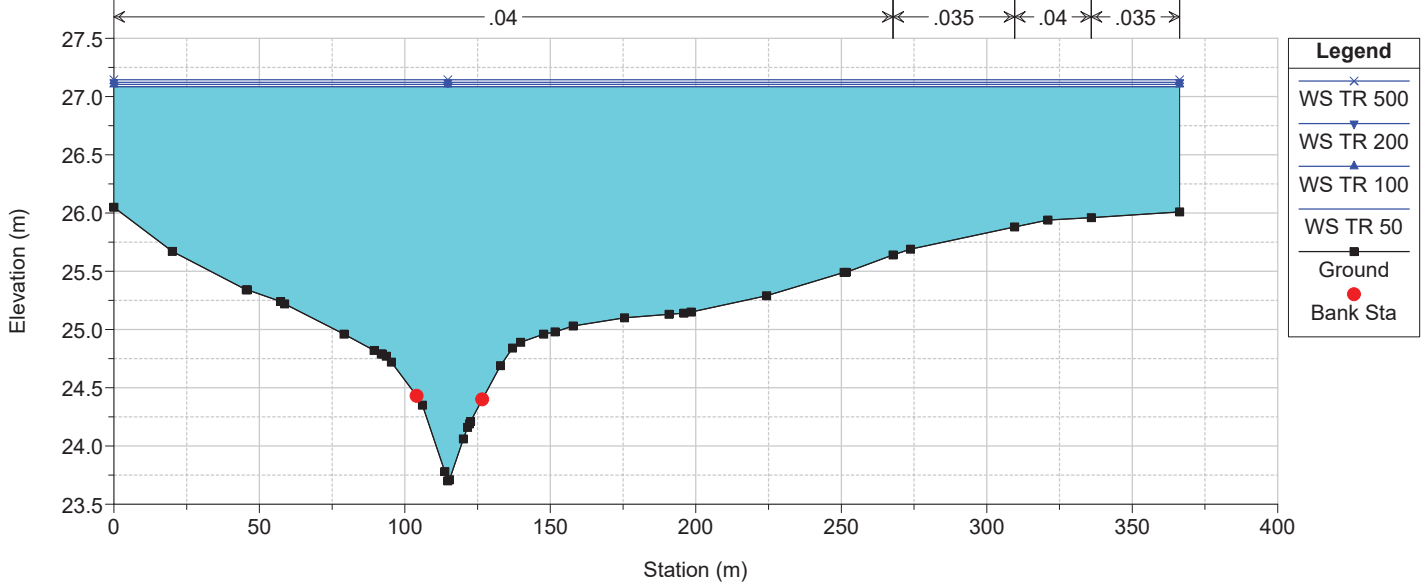
River = Fiume_122438 Reach = C49 RS = 1260.053 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

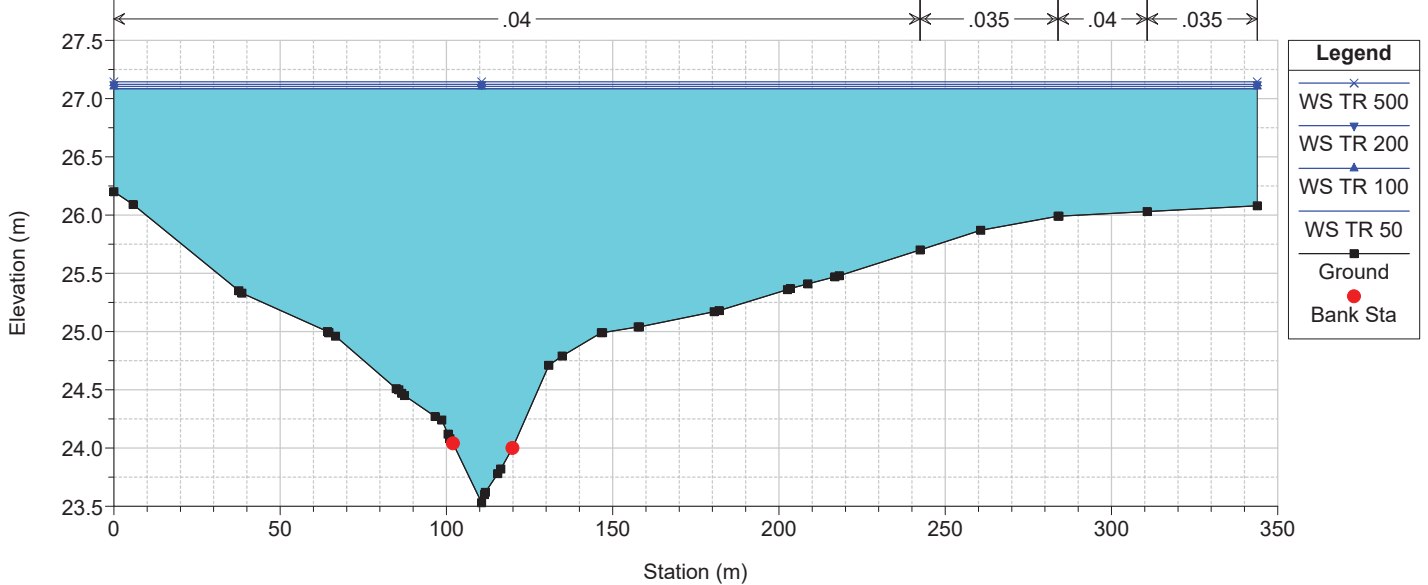
River = Fiume_122438 Reach = C49 RS = 1224.688 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

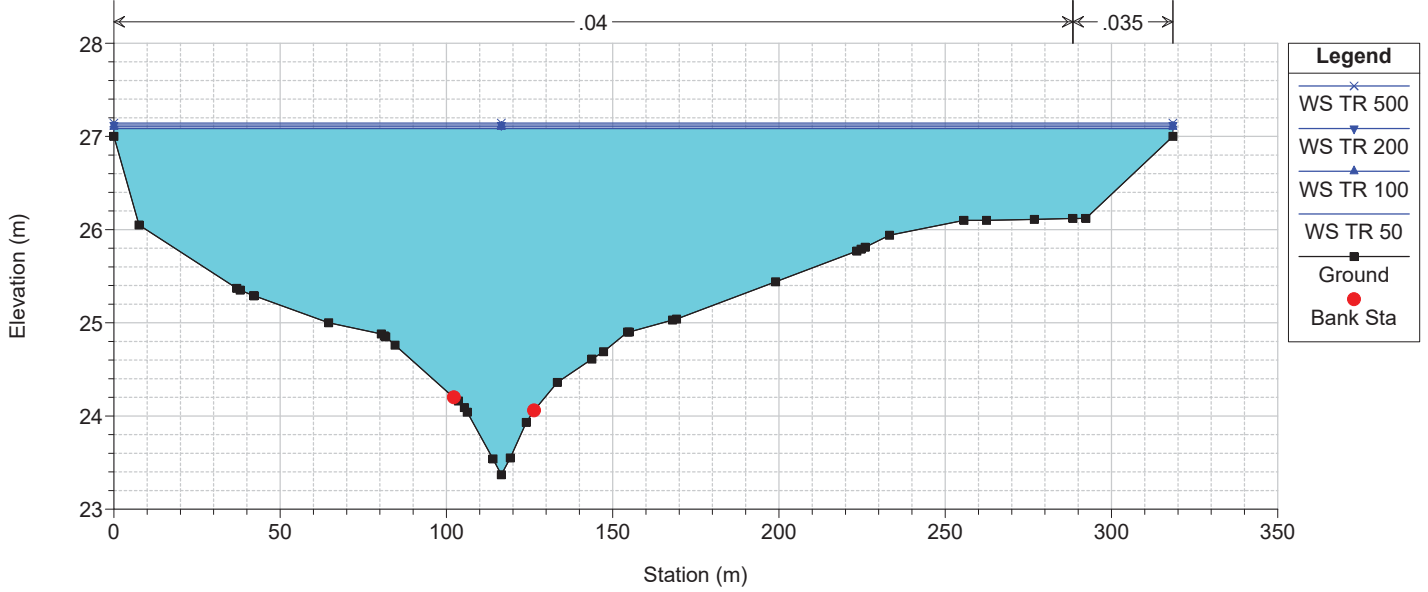
River = Fiume_122438 Reach = C49 RS = 1189.89 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

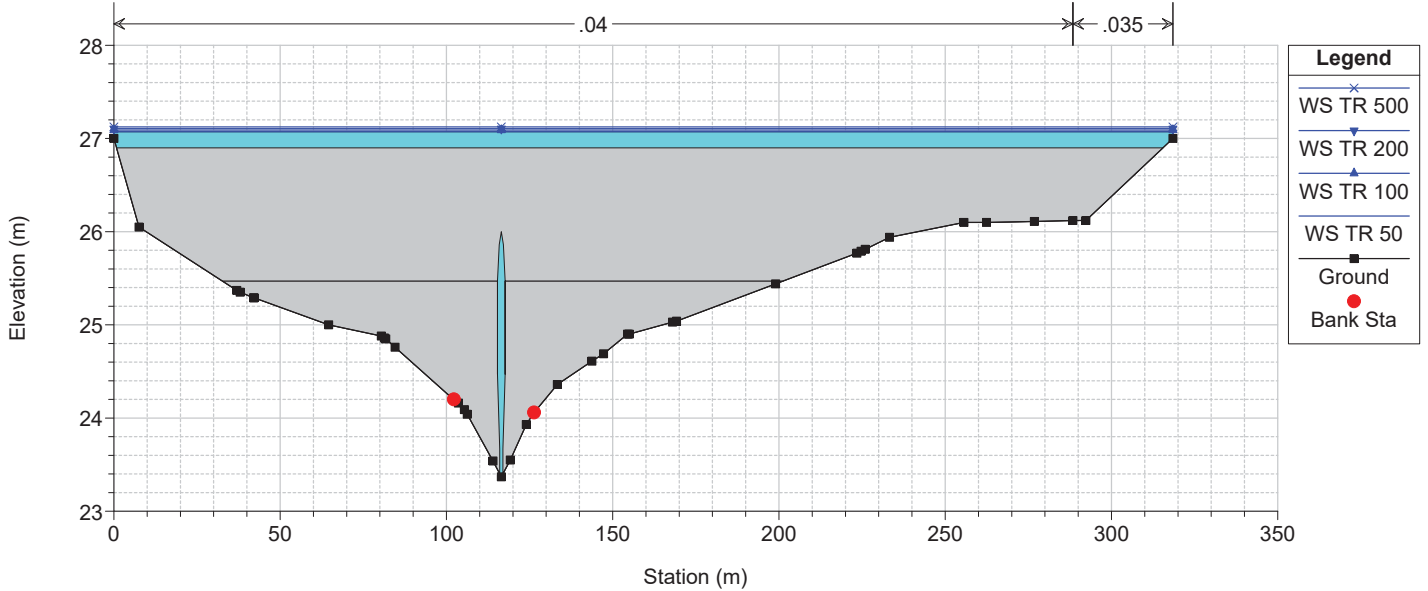
River = Fiume_122438 Reach = C49 RS = 1157.237 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

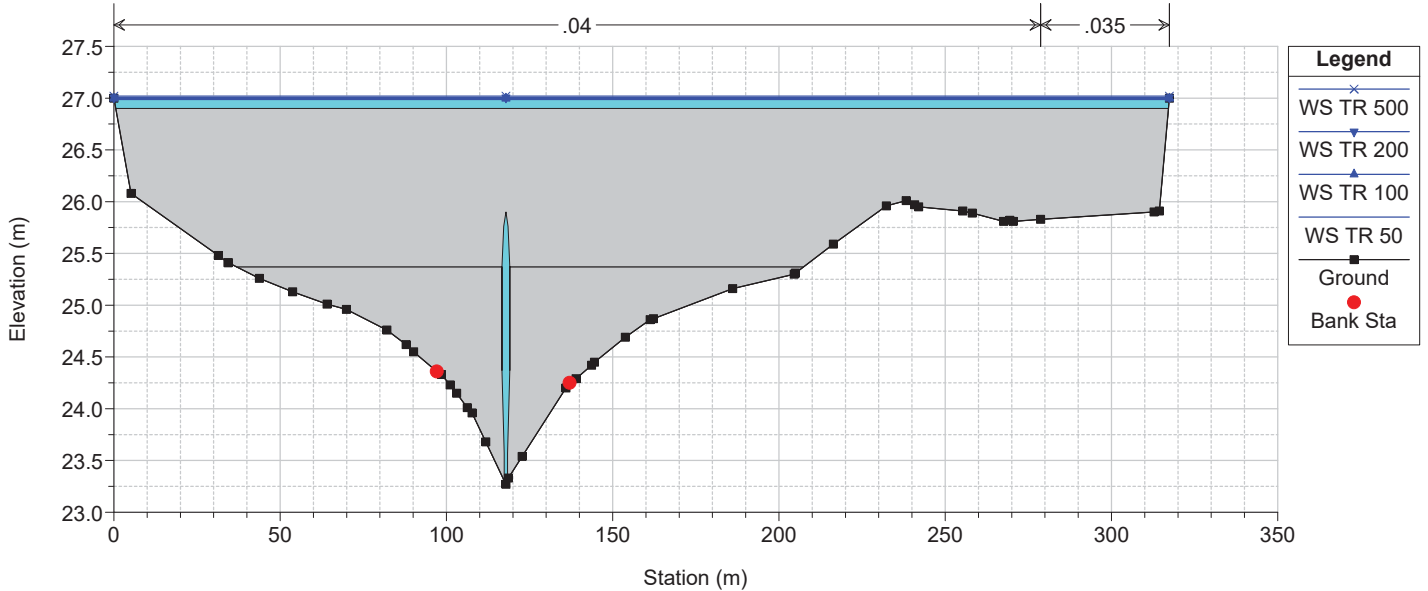
River = Fiume_122438 Reach = C49 RS = 1148.838 BR SP44 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

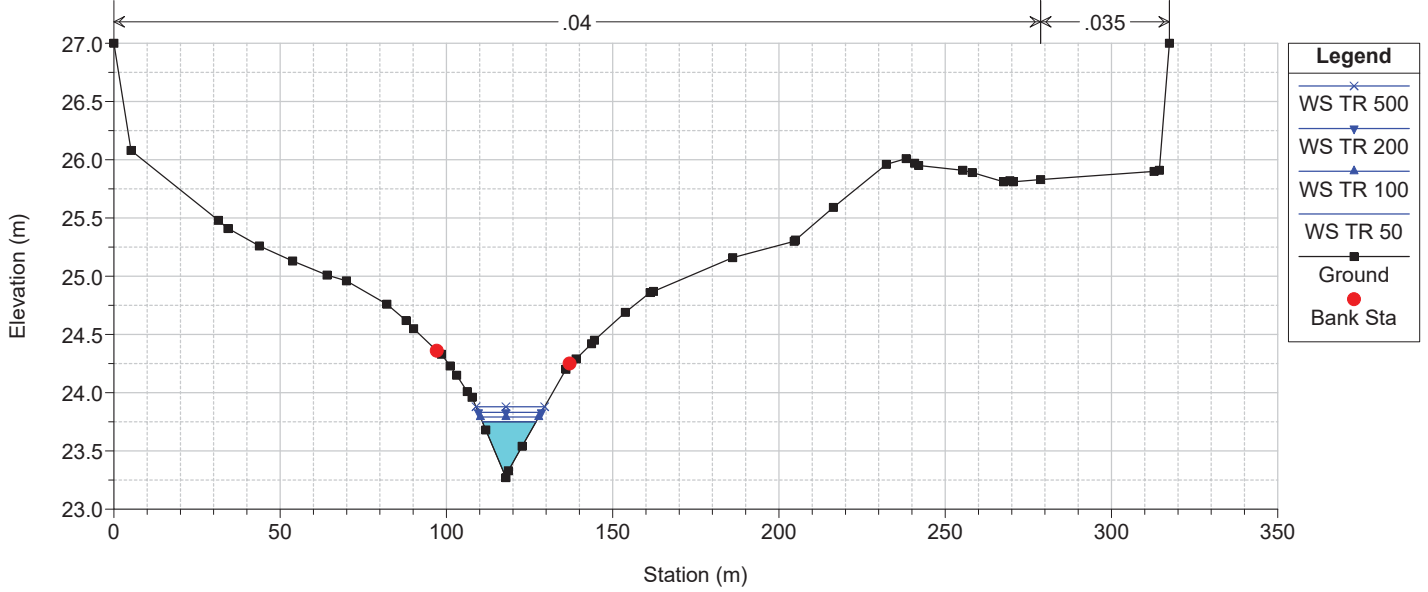
River = Fiume_122438 Reach = C49 RS = 1148.838 BR SP44 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

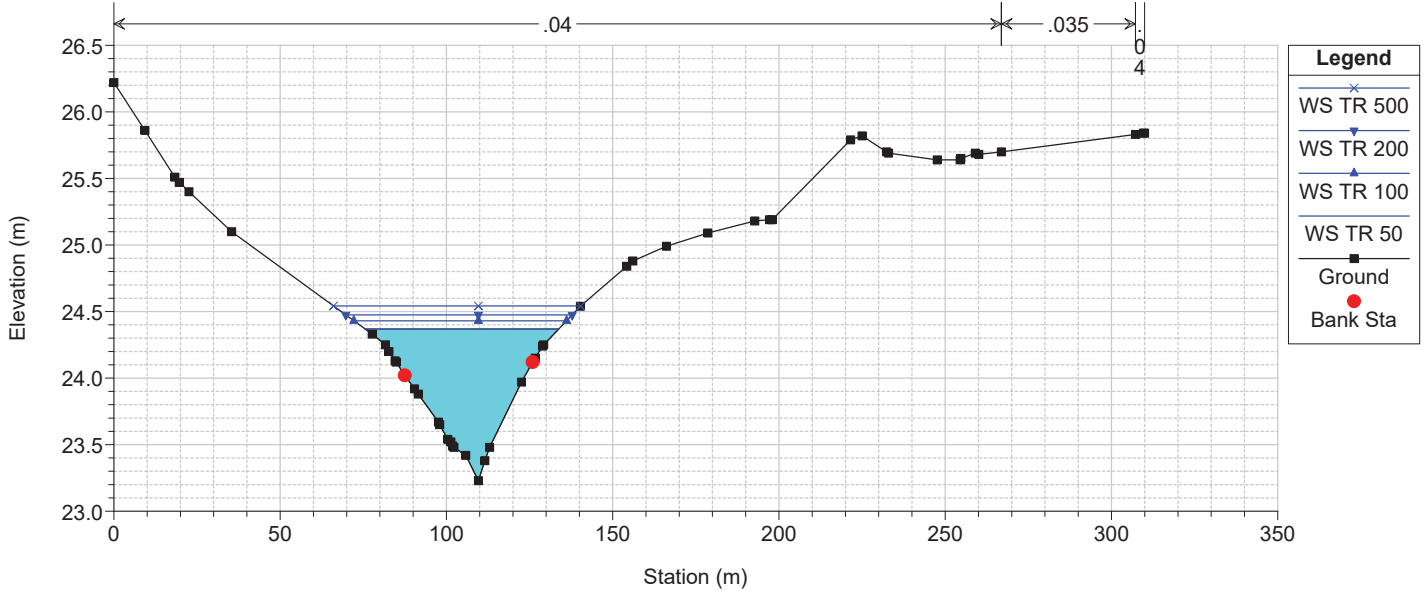
River = Fiume_122438 Reach = C49 RS = 1141.628 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

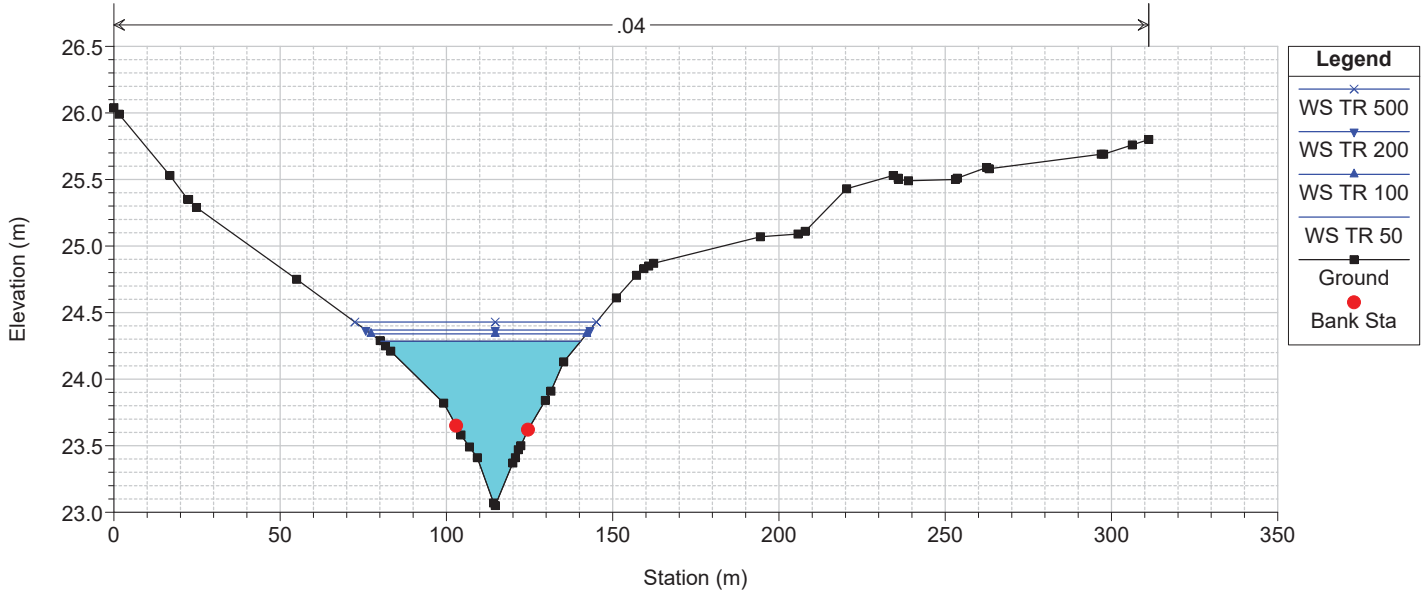
River = Fiume_122438 Reach = C49 RS = 1120.062 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

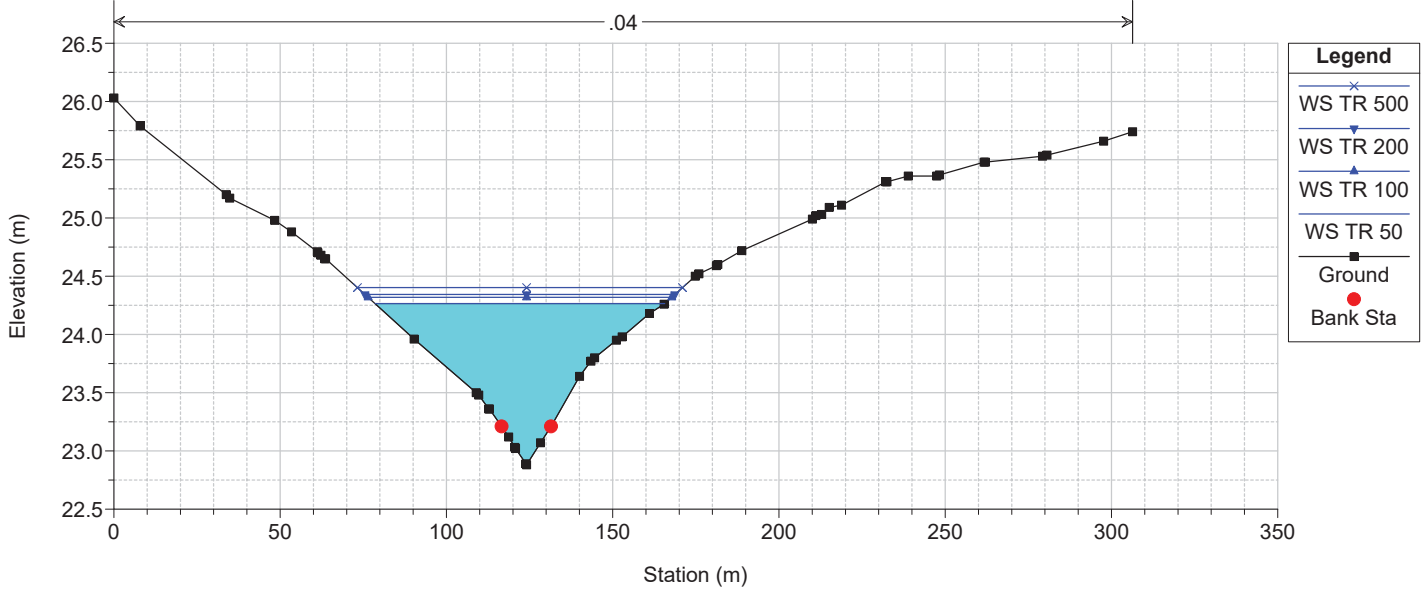
River = Fiume_122438 Reach = C49 RS = 1085.225 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

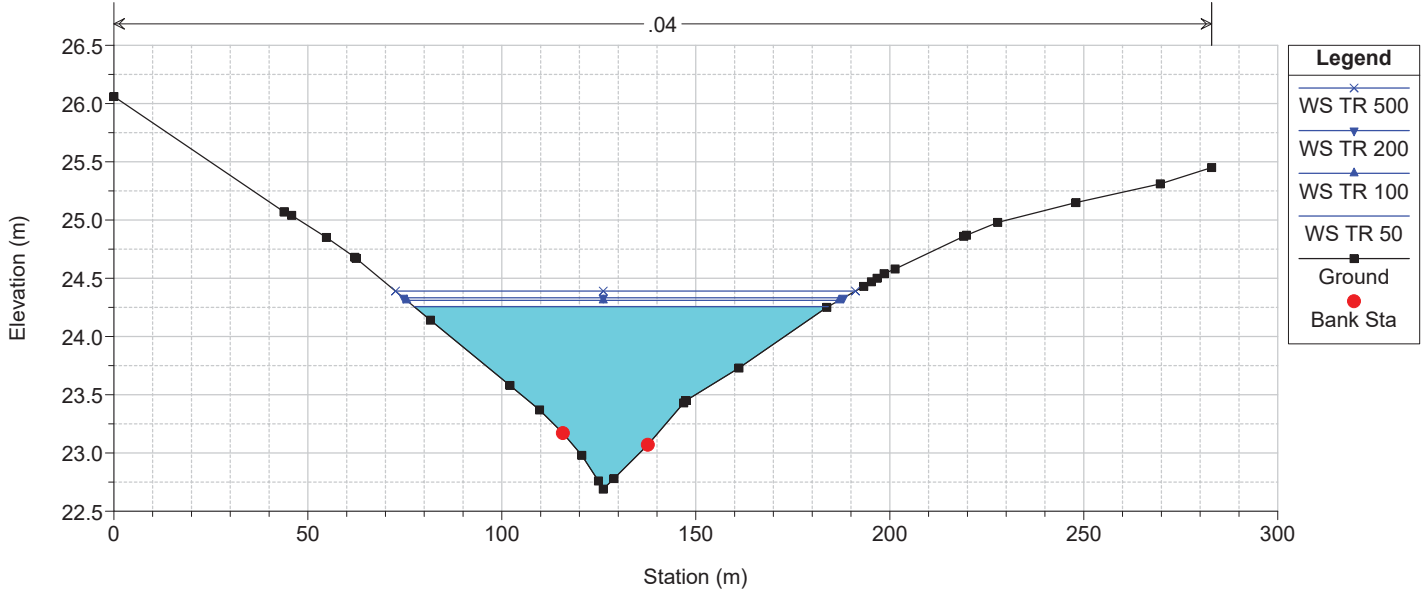
River = Fiume_122438 Reach = C49 RS = 1049.985 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

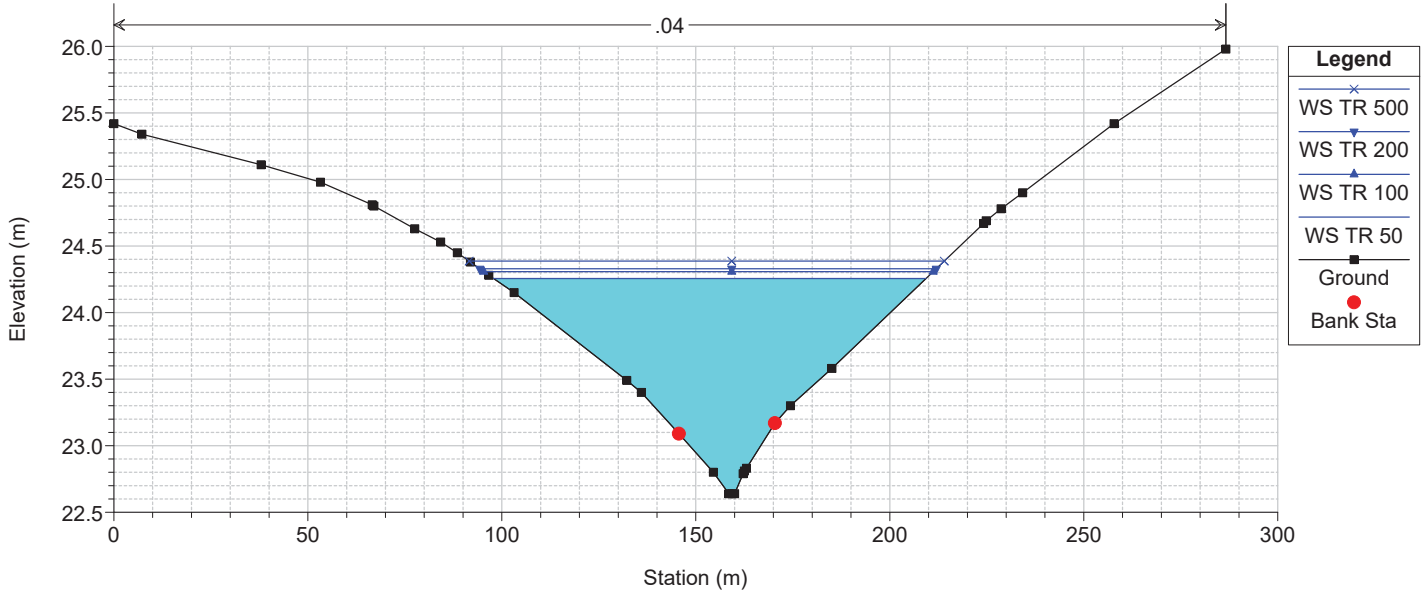
River = Fiume_122438 Reach = C49 RS = 1015.389 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

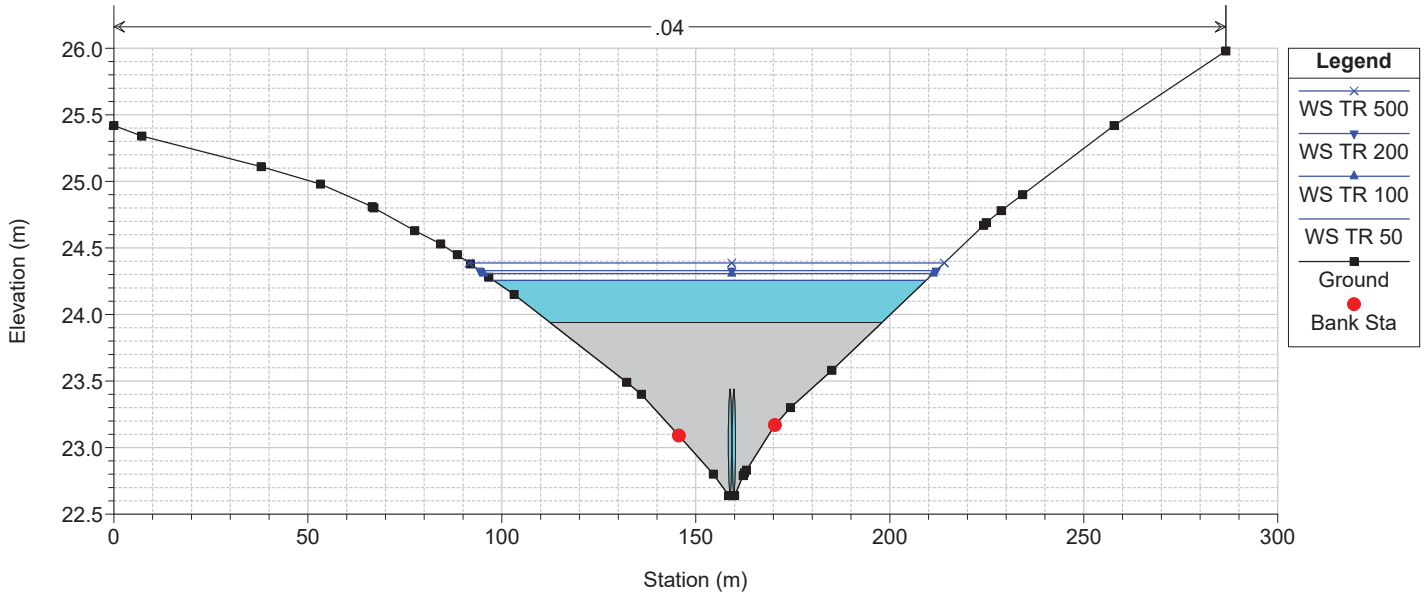
River = Fiume_122438 Reach = C49 RS = 1005.91 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

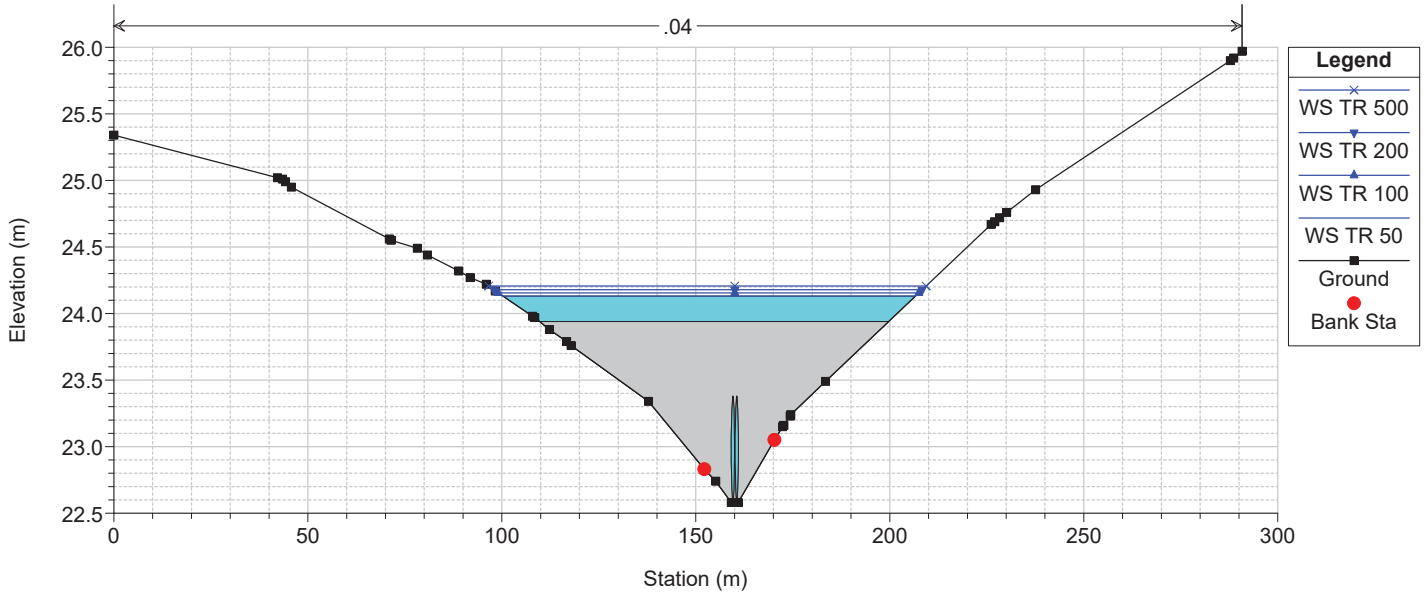
River = Fiume_122438 Reach = C49 RS = 1000.509 Culv C49 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

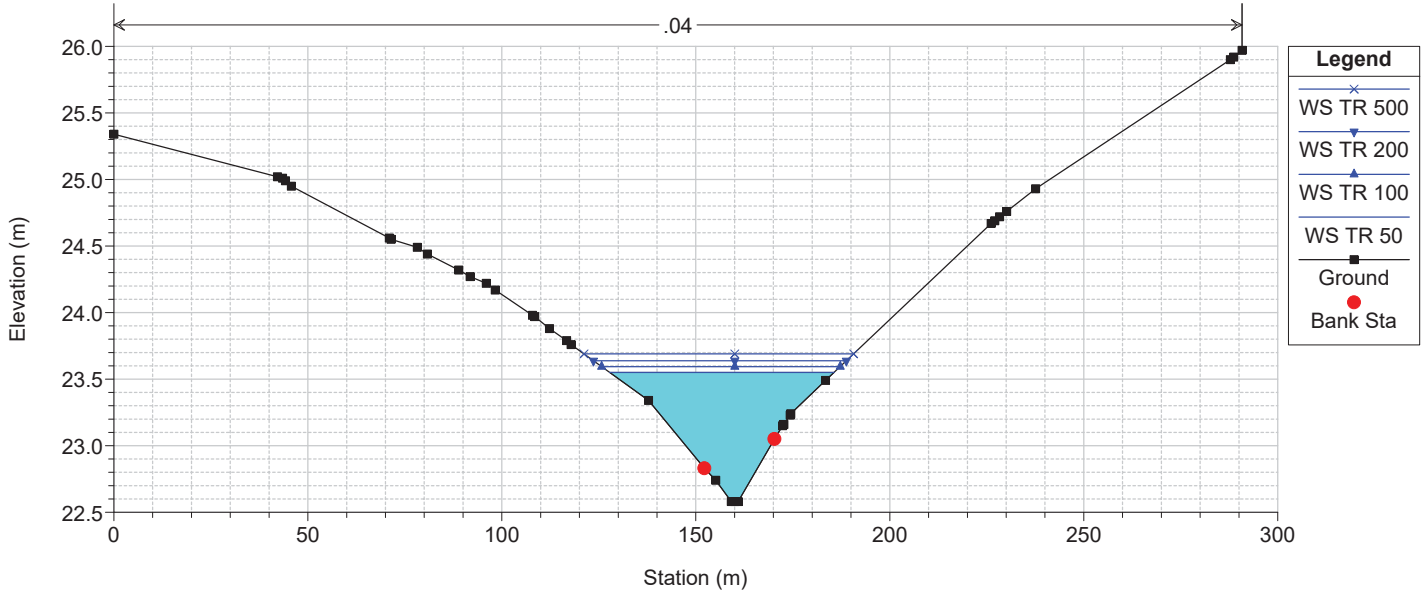
River = Fiume_122438 Reach = C49 RS = 1000.509 Culv C49 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

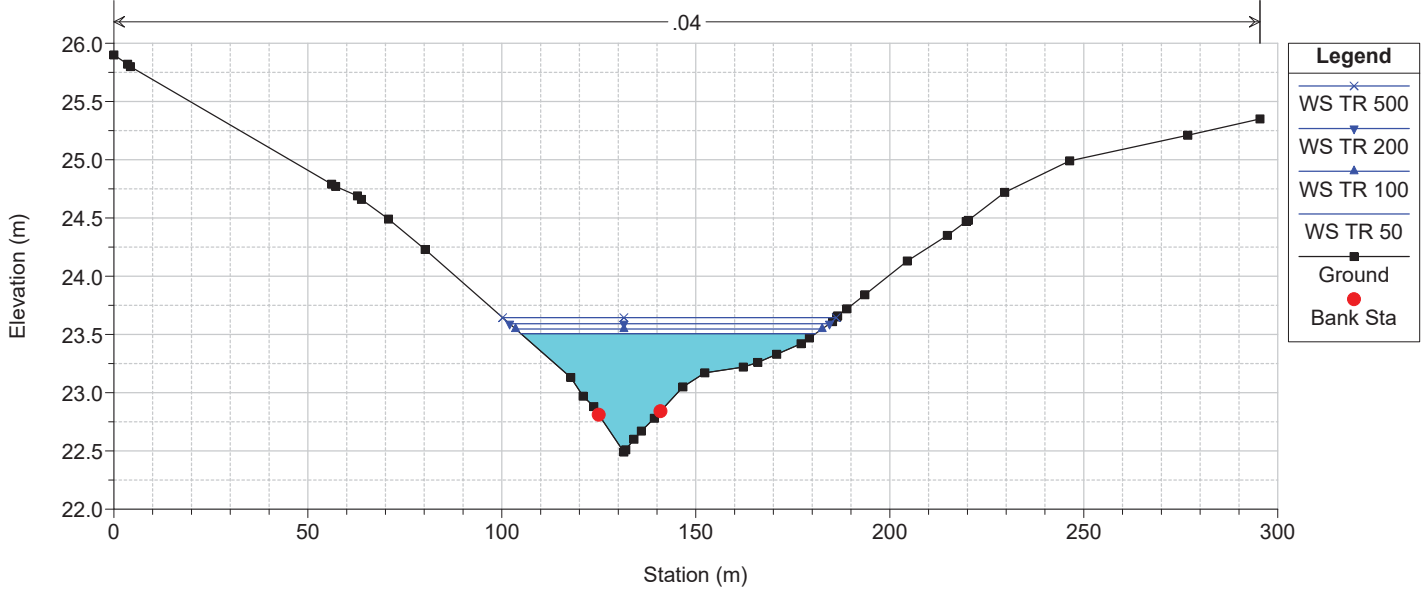
River = Fiume_122438 Reach = C49 RS = 996.7191 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

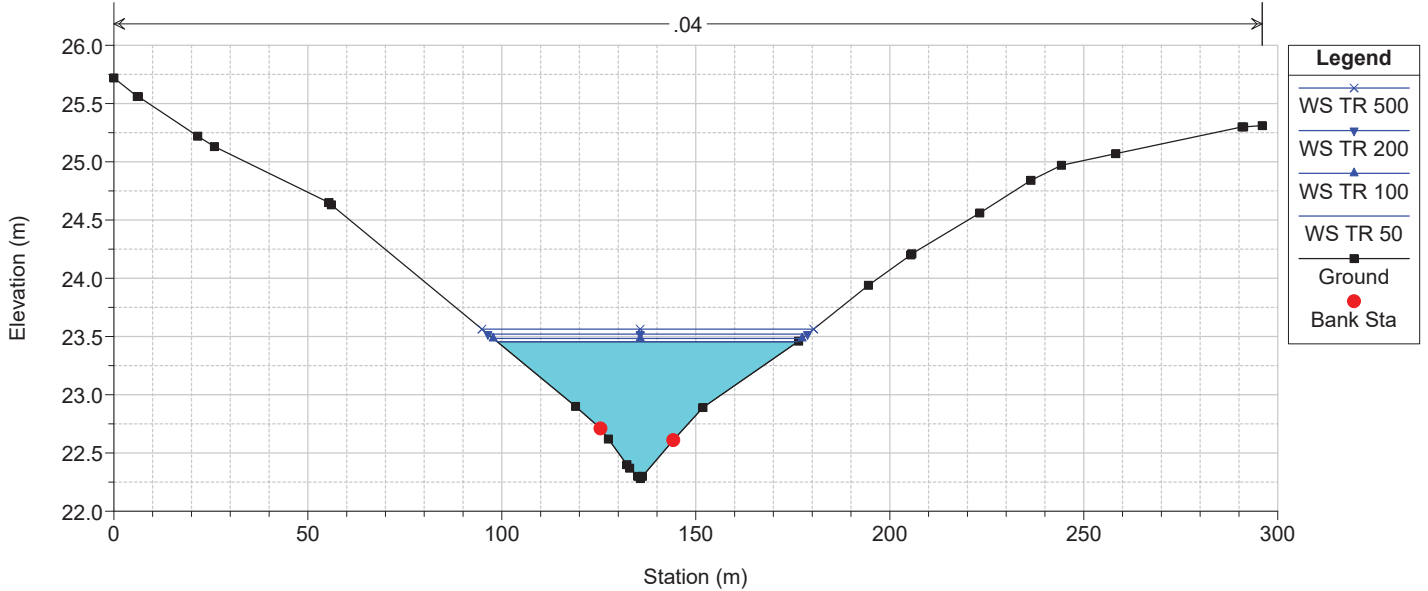
River = Fiume_122438 Reach = C49 RS = 979.8832 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

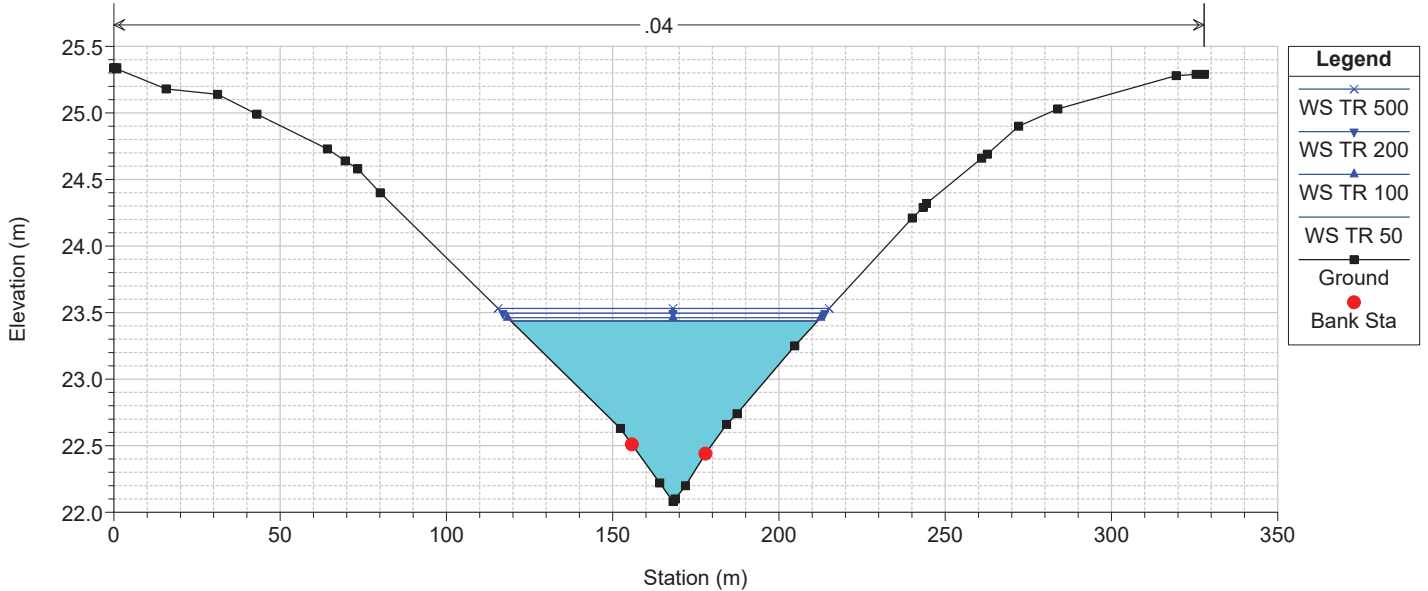
River = Fiume_122438 Reach = C49 RS = 945.4506 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

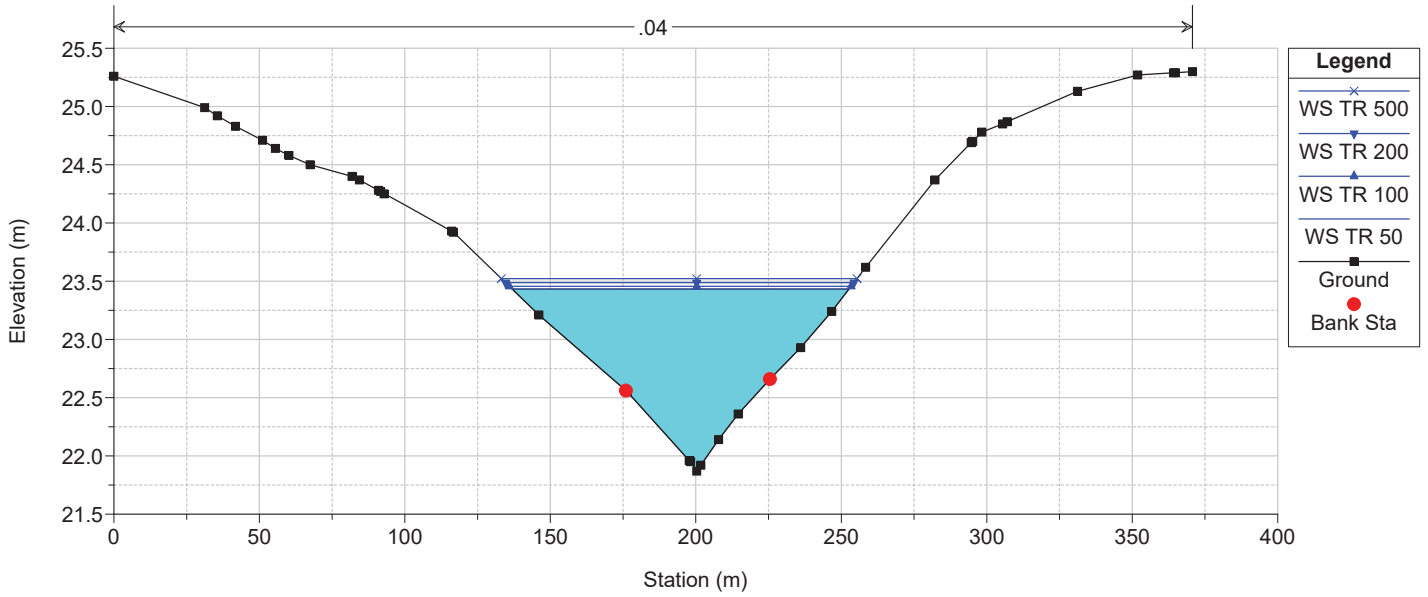
River = Fiume_122438 Reach = C49 RS = 909.8806 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

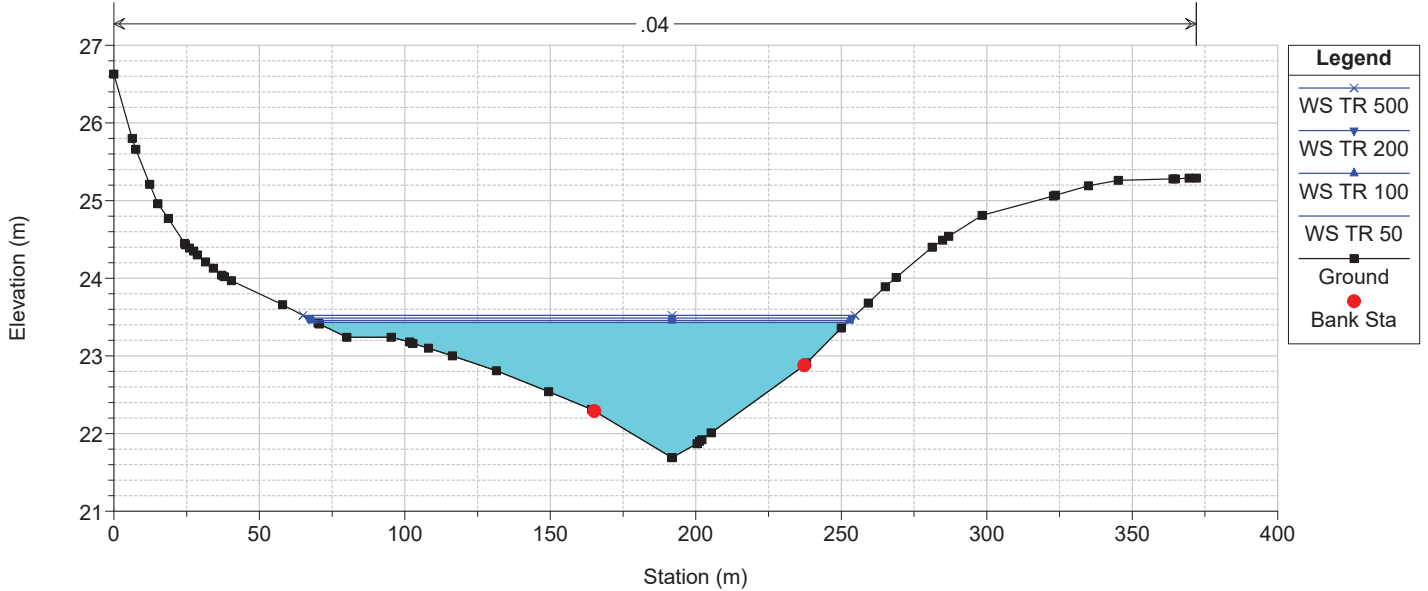
River = Fiume_122438 Reach = C49 RS = 874.8162 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

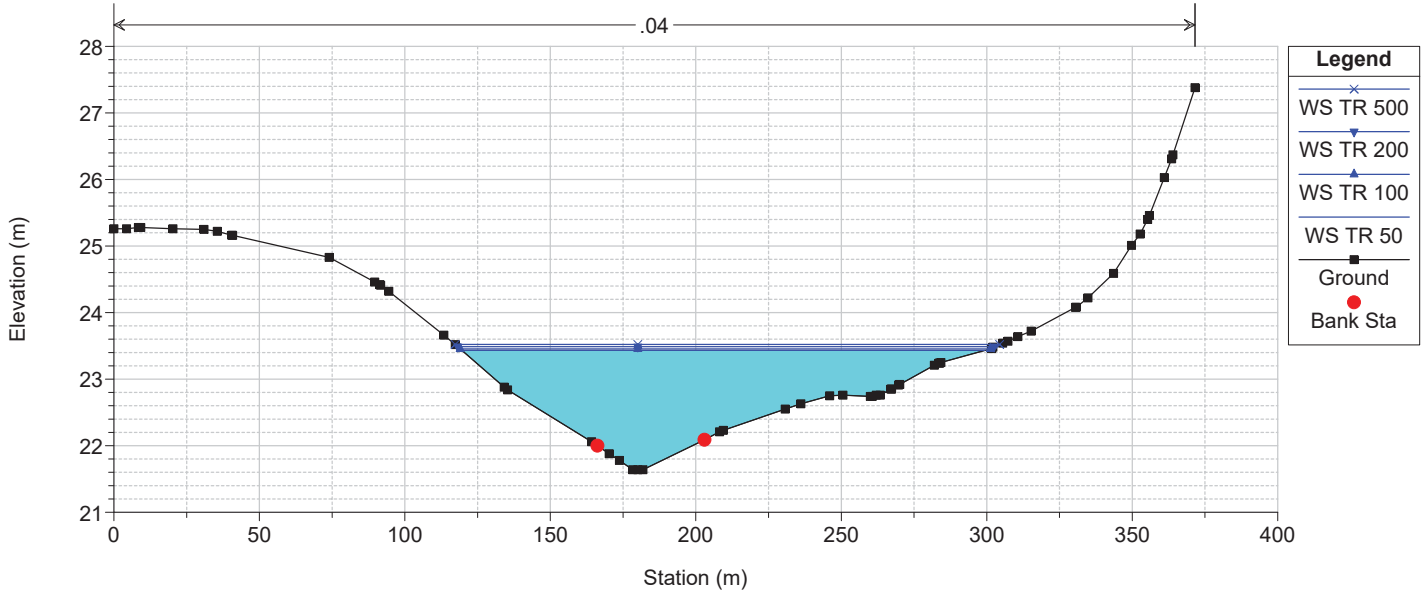
River = Fiume_122438 Reach = C49 RS = 840.2514 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

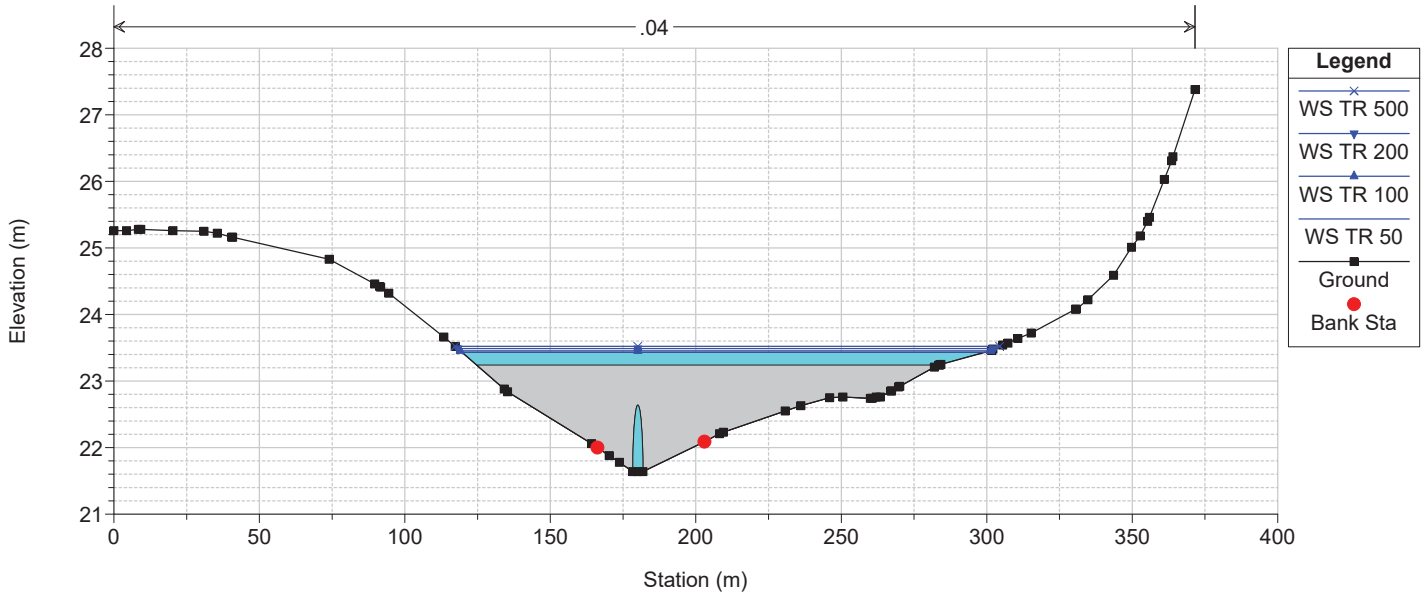
River = Fiume_122438 Reach = C49 RS = 832.2945 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

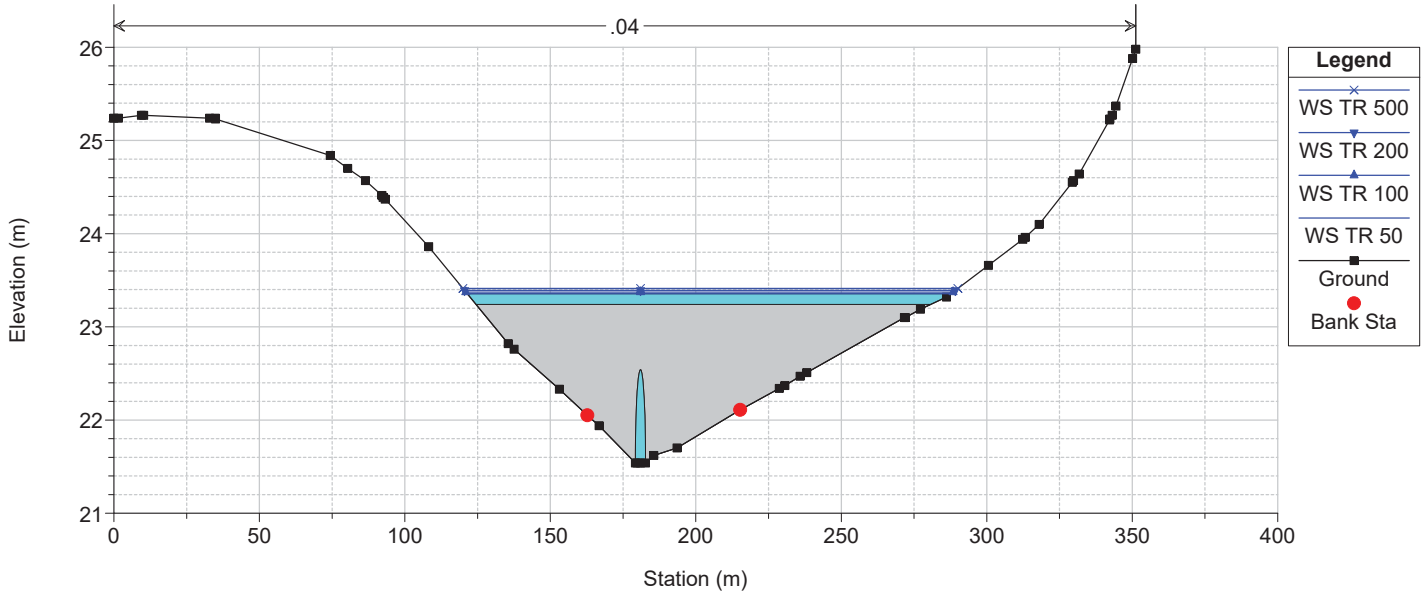
River = Fiume_122438 Reach = C49 RS = 822.3917 Culv C47 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

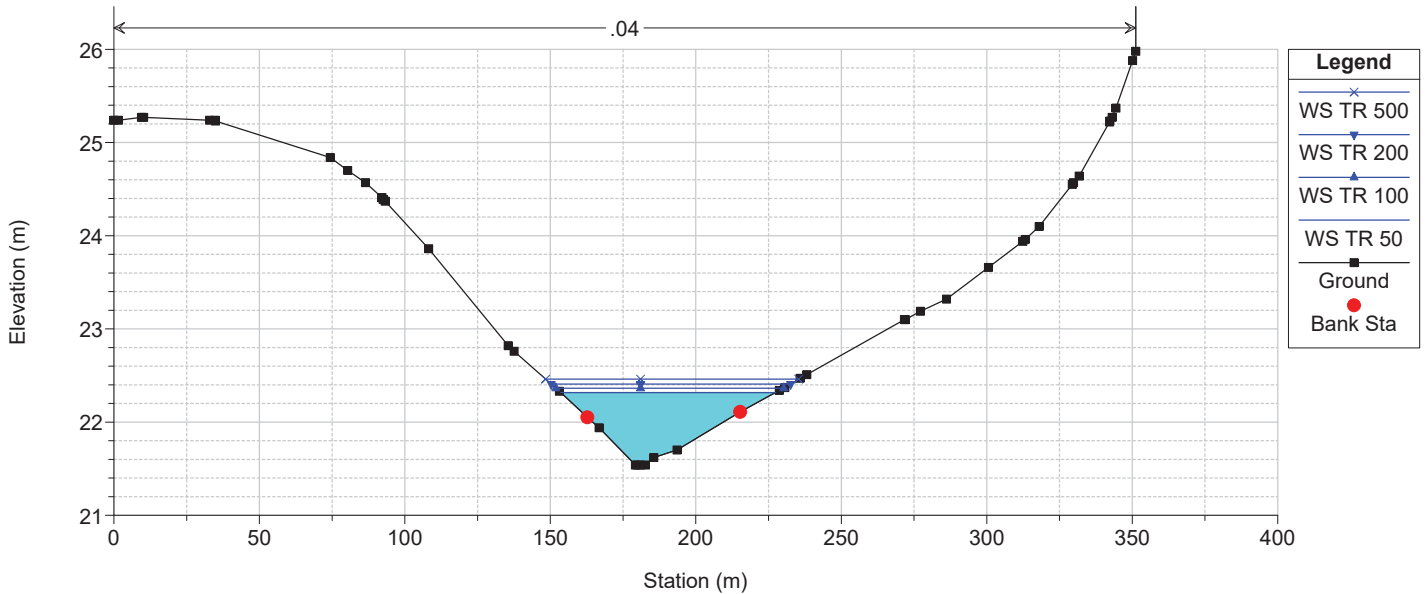
River = Fiume_122438 Reach = C49 RS = 822.3917 Culv C47 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

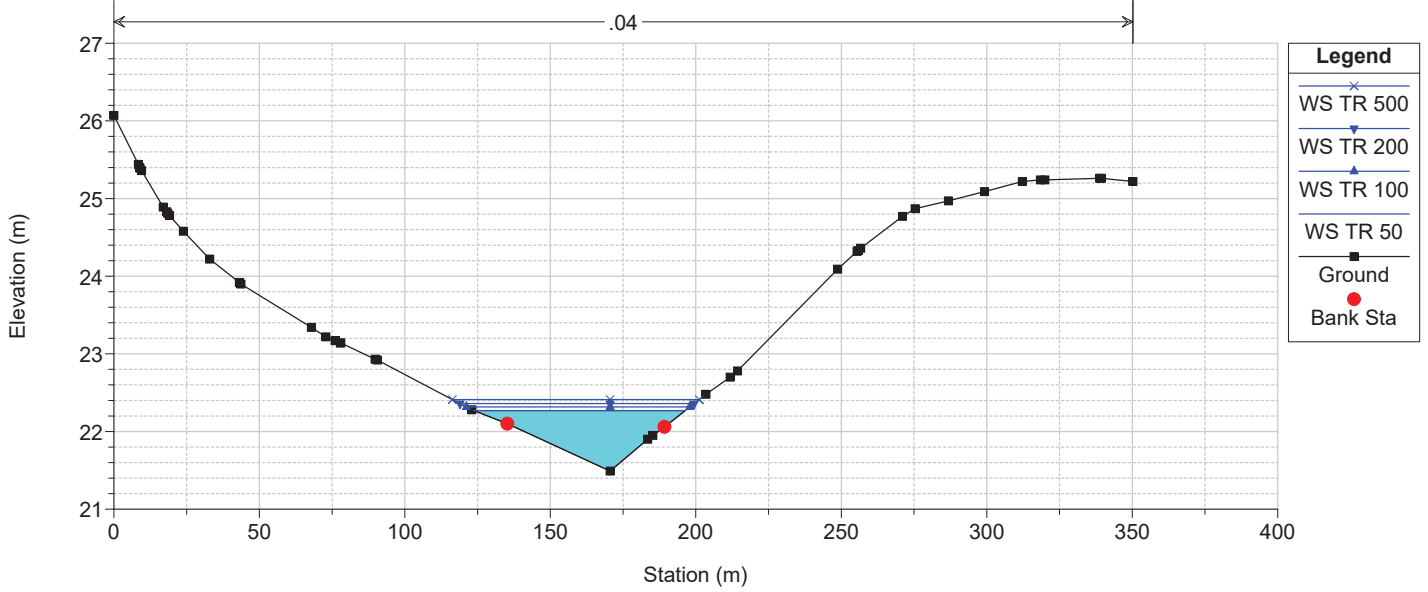
River = Fiume_122438 Reach = C49 RS = 814.3149 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

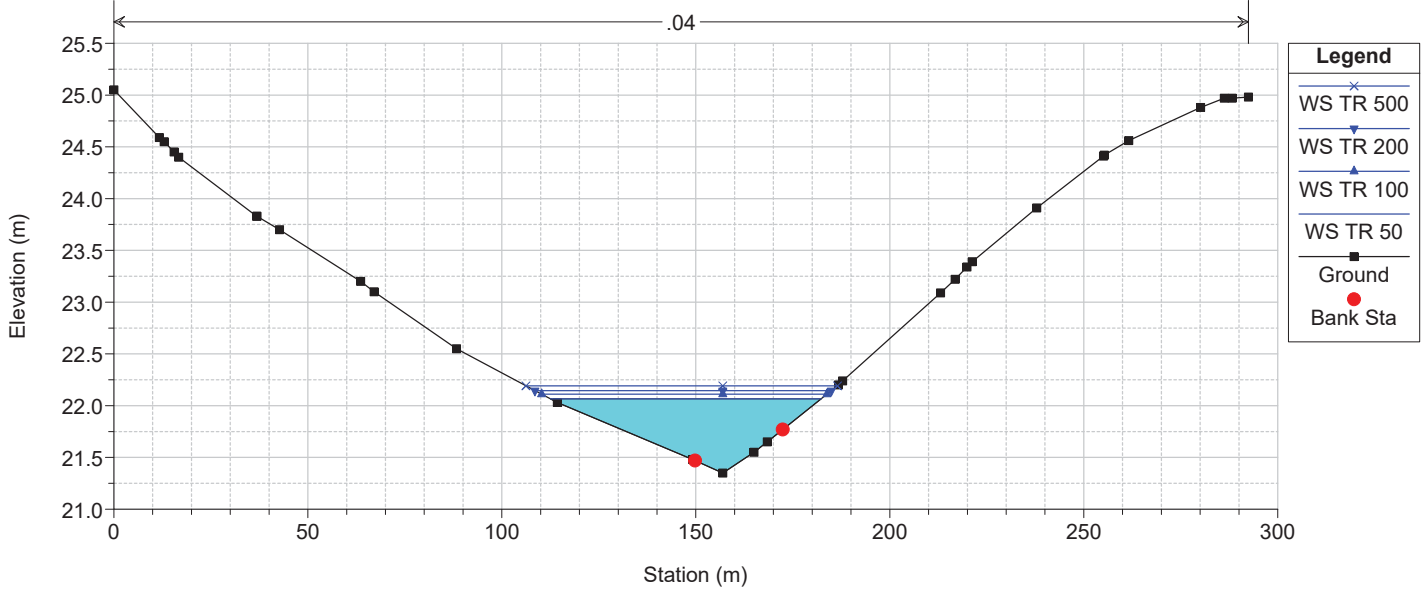
River = Fiume_122438 Reach = C49 RS = 805.1815 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

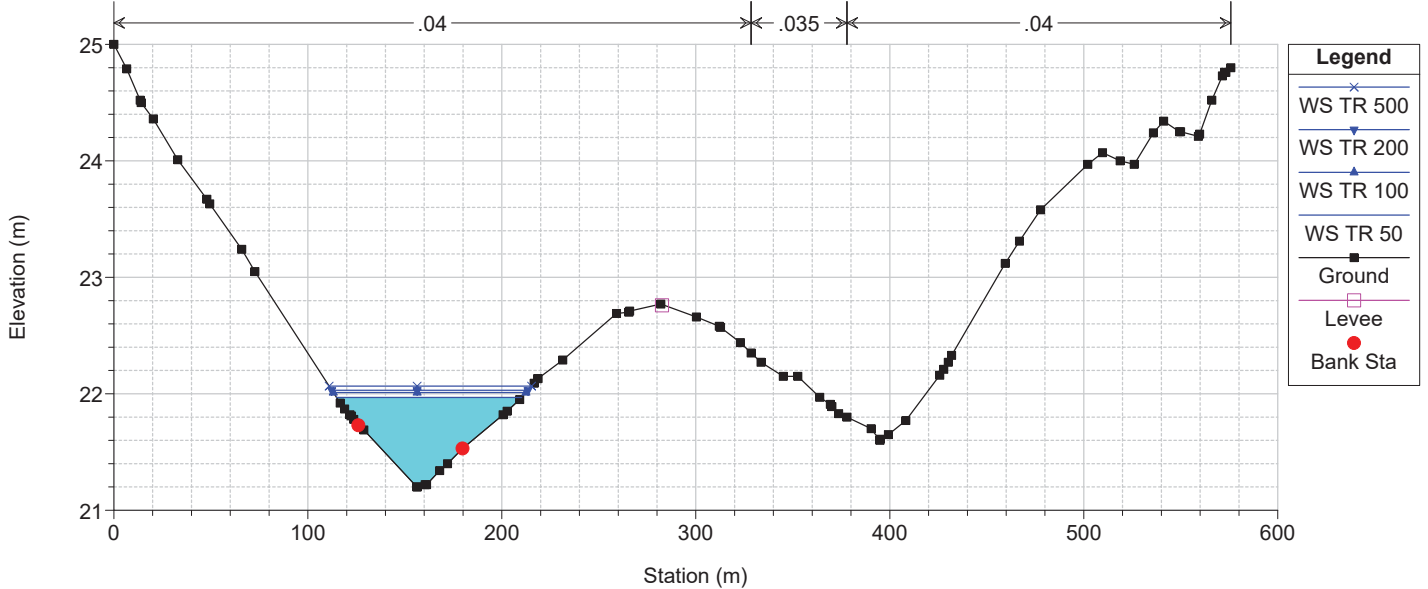
River = Fiume_122438 Reach = C49 RS = 770.4368 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

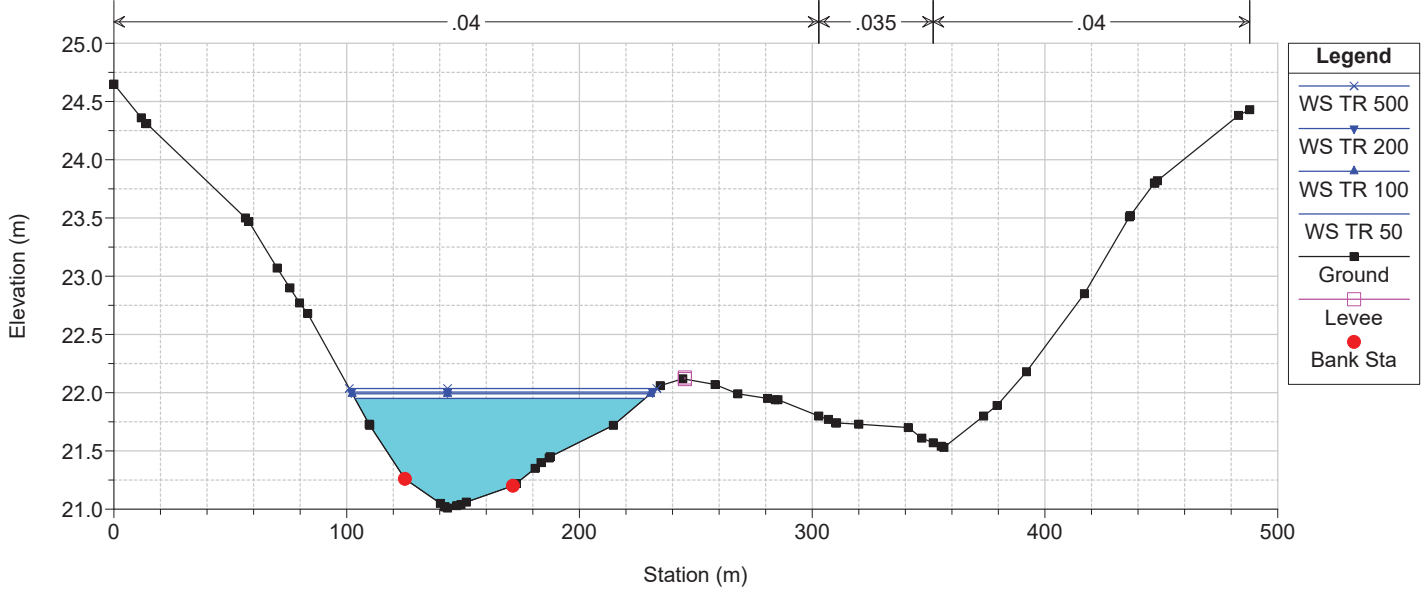
River = Fiume_122438 Reach = C49 RS = 735.2346 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

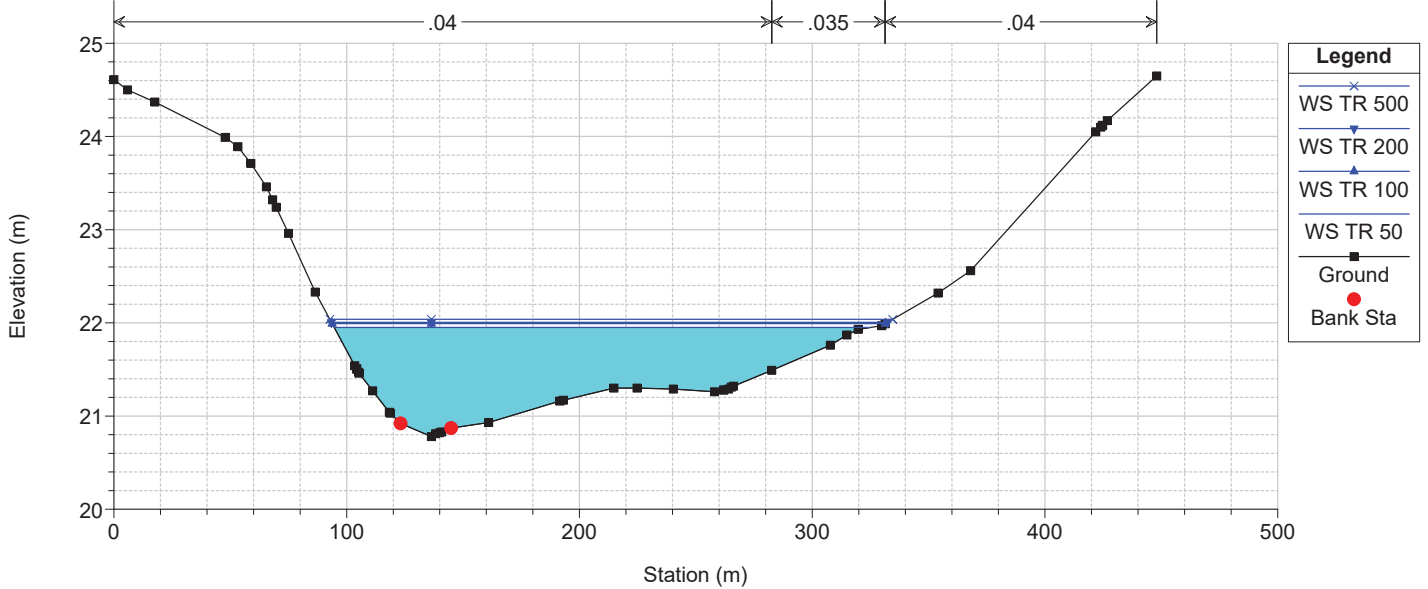
River = Fiume_122438 Reach = C49 RS = 700.1413 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

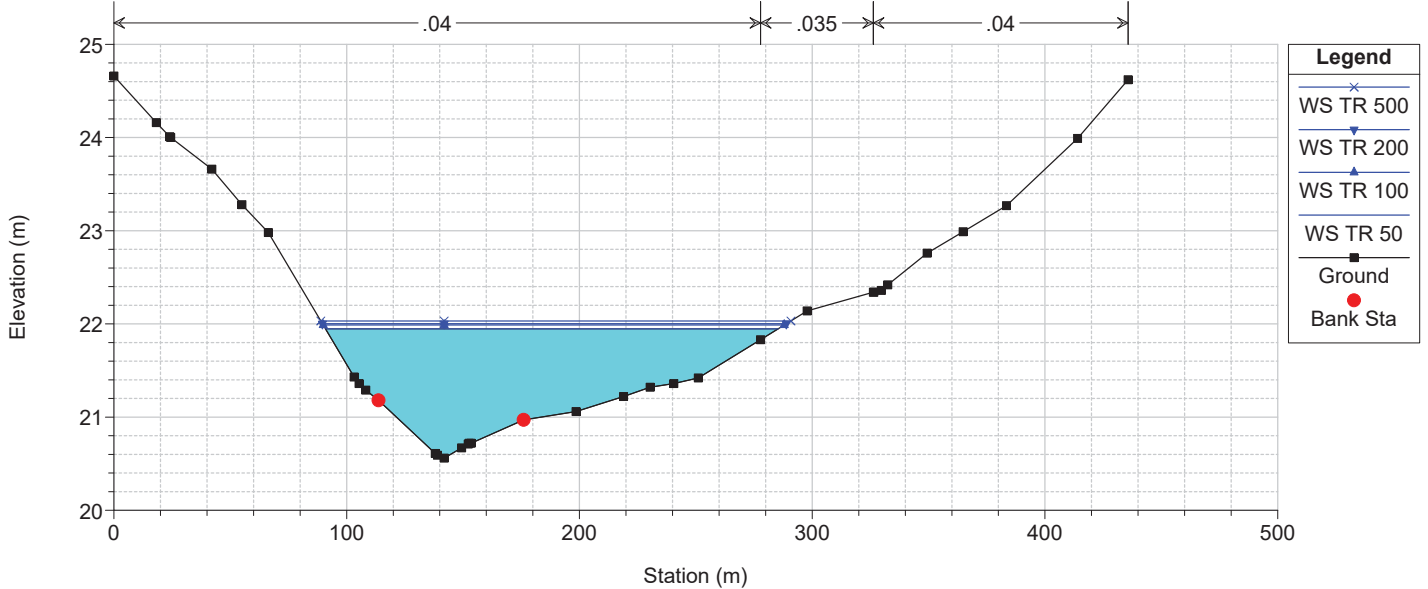
River = Fiume_122438 Reach = C49 RS = 665.7307 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

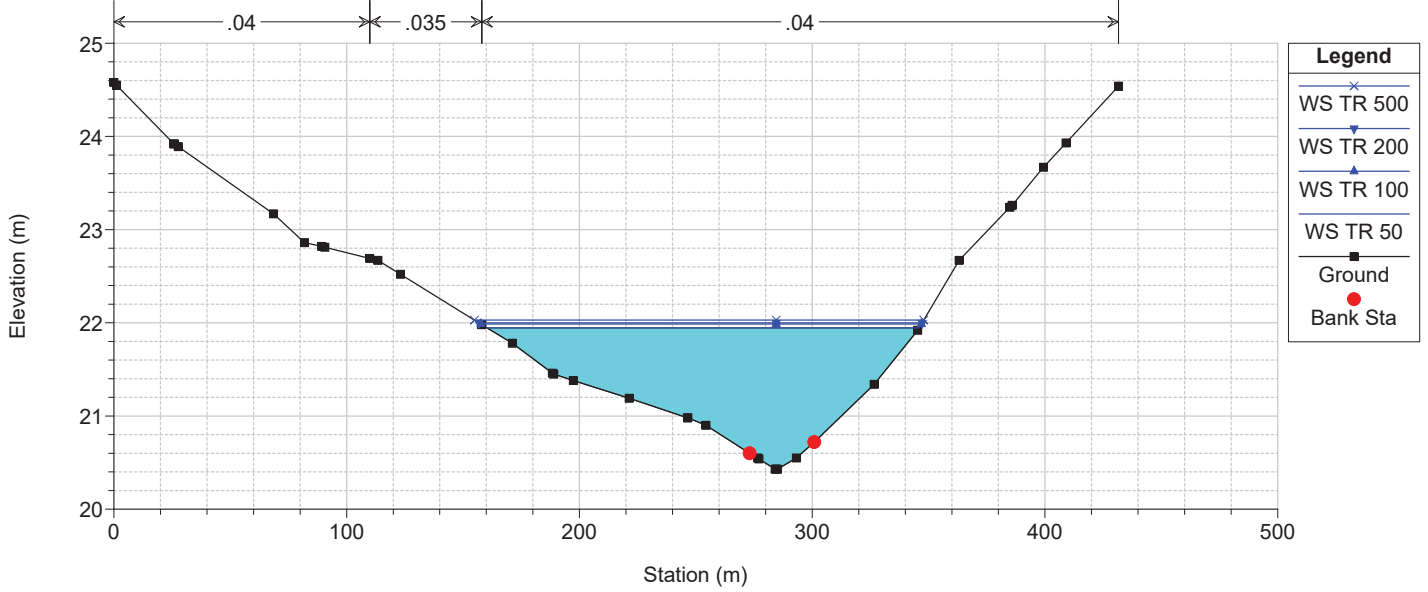
River = Fiume_122438 Reach = C49 RS = 630.8401 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

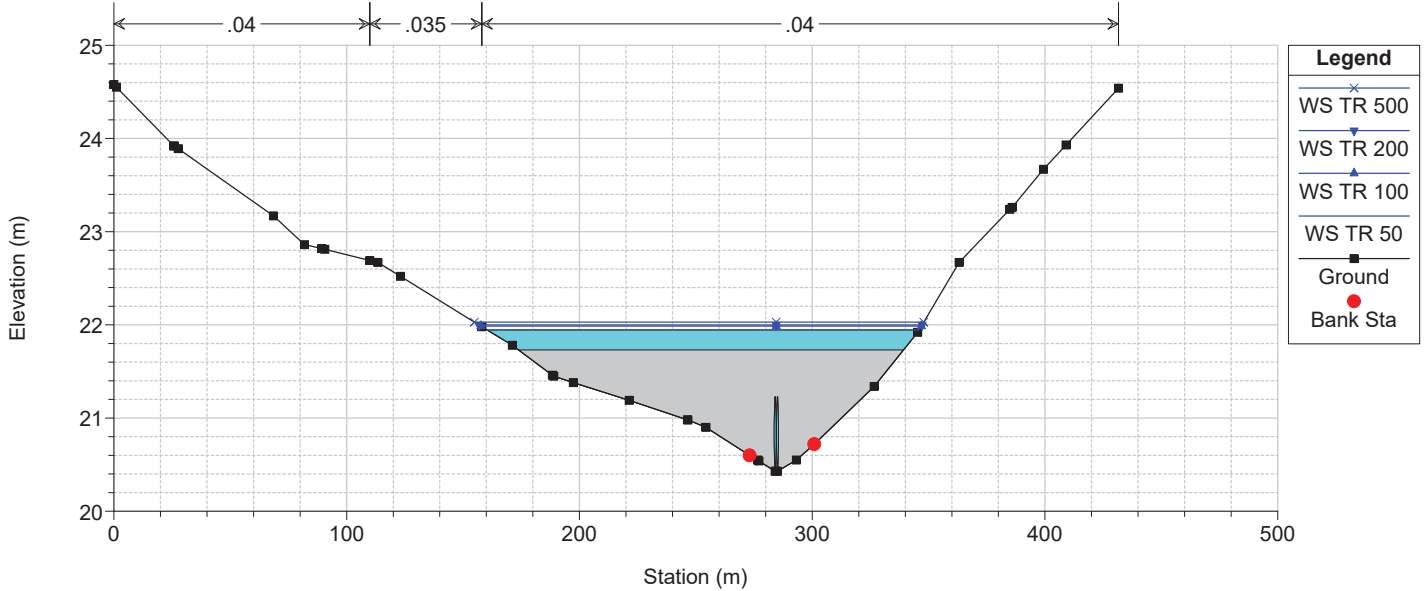
River = Fiume_122438 Reach = C49 RS = 609.3408 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

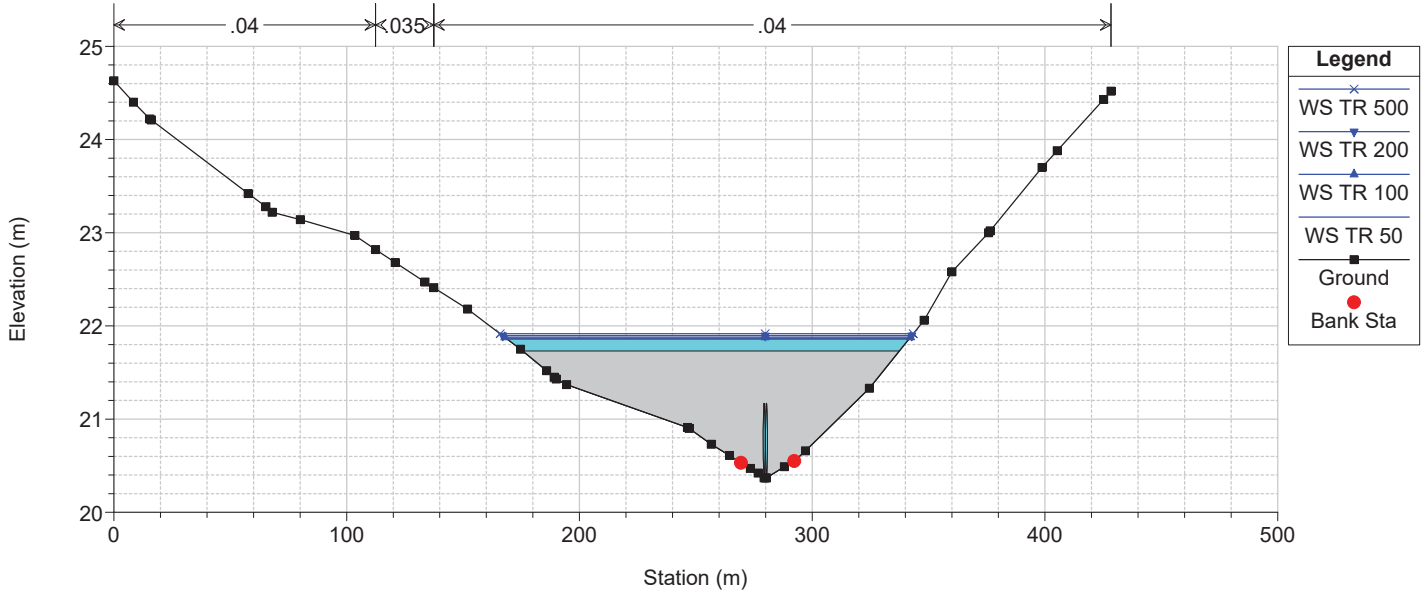
River = Fiume_122438 Reach = C49 RS = 604.2354 Culv C48 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

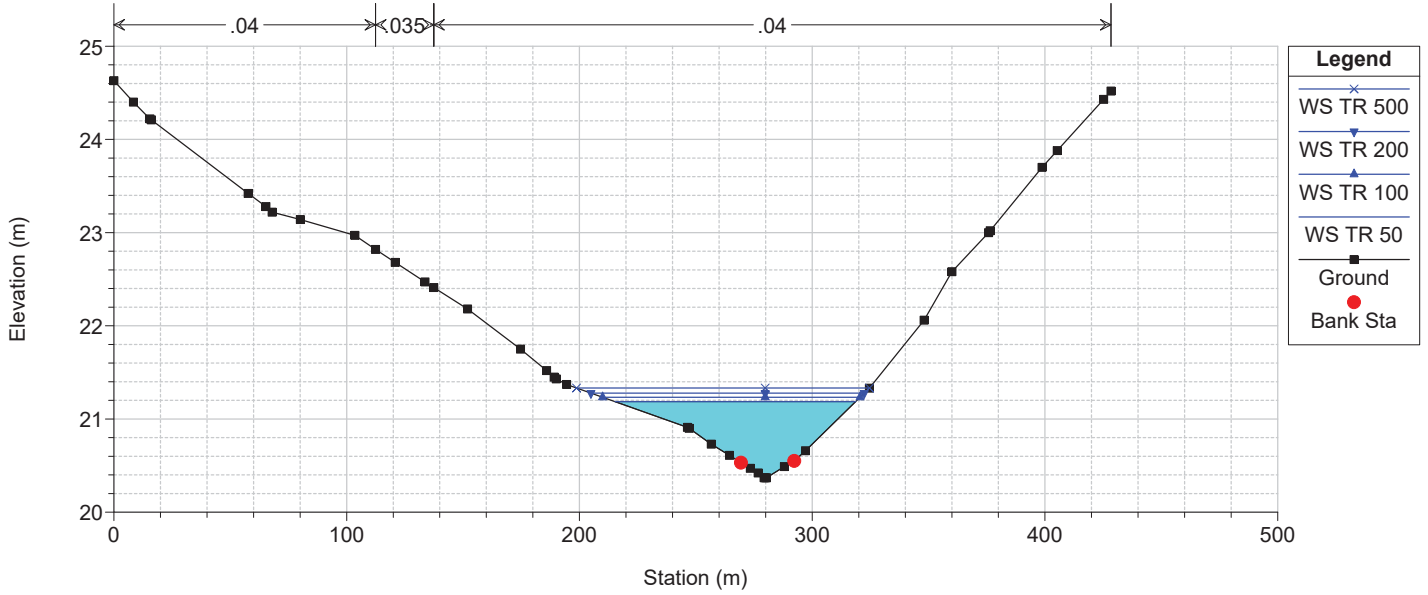
River = Fiume_122438 Reach = C49 RS = 604.2354 Culv C48 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

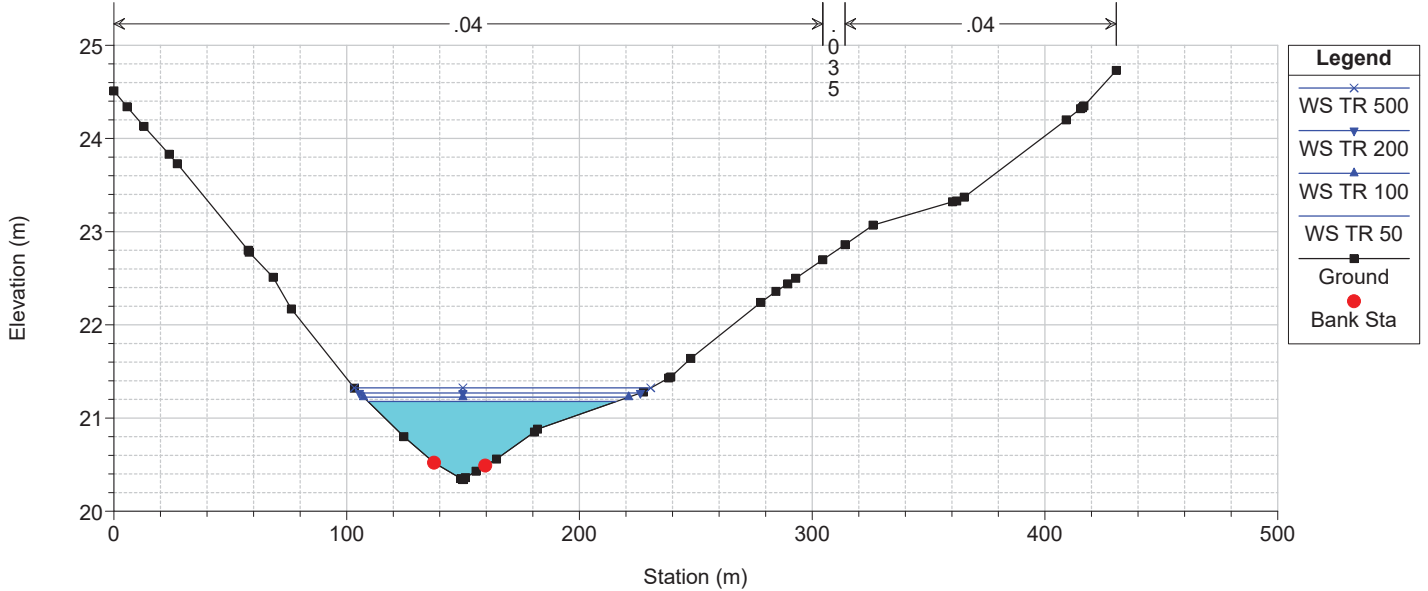
River = Fiume_122438 Reach = C49 RS = 600.2402 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

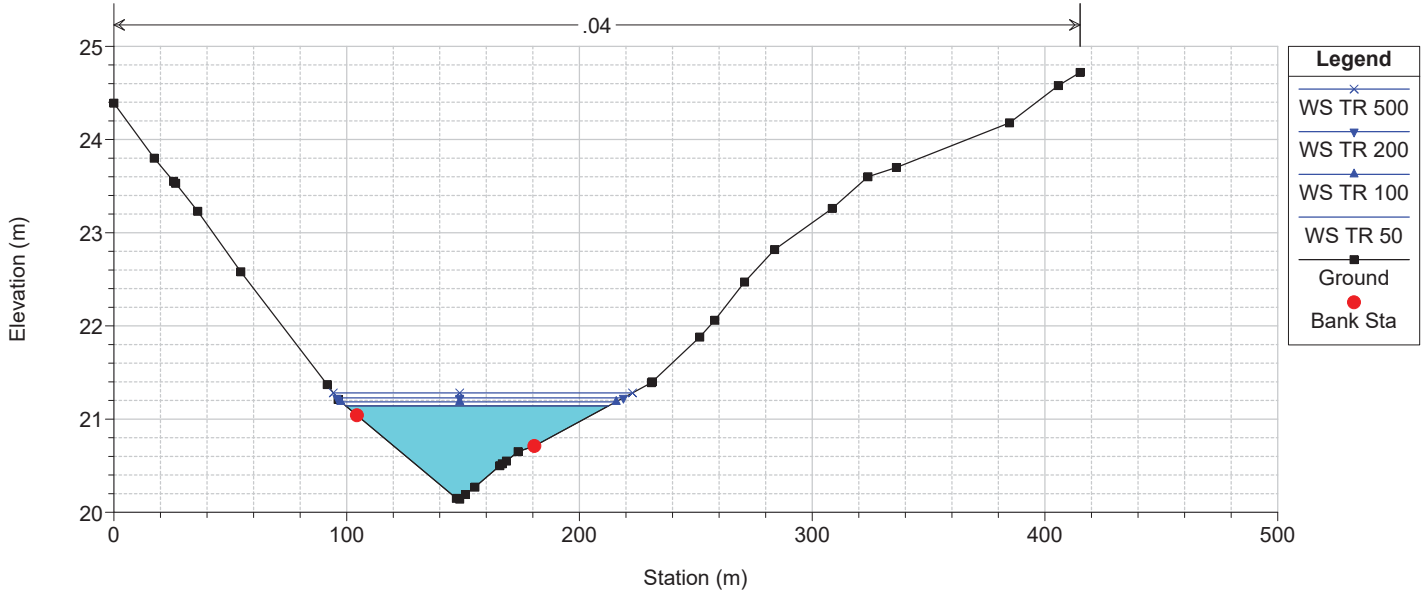
River = Fiume_122438 Reach = C49 RS = 594.9059 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

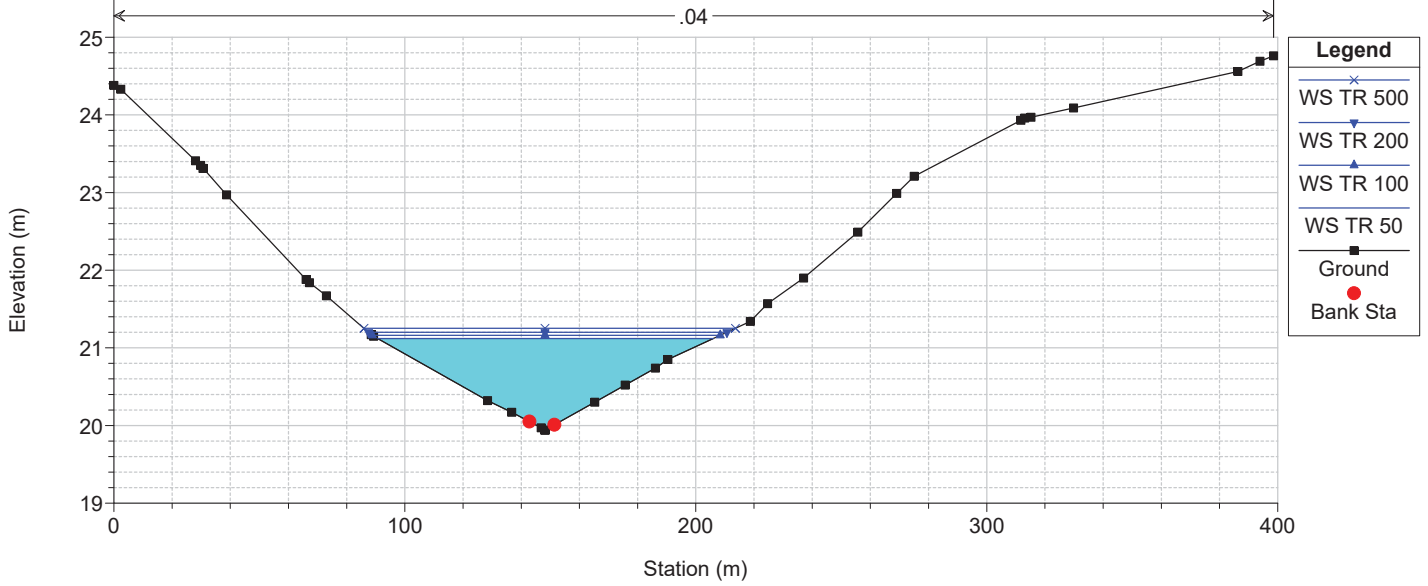
River = Fiume_122438 Reach = C49 RS = 559.9889 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

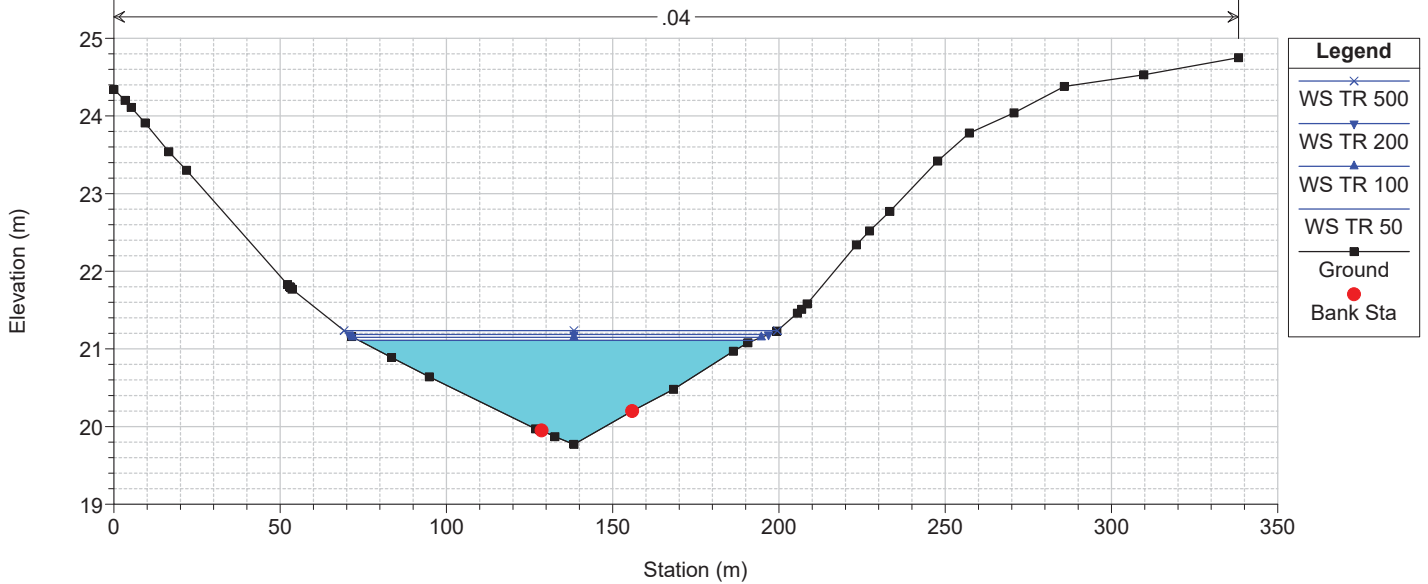
River = Fiume_122438 Reach = C49 RS = 524.0743 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

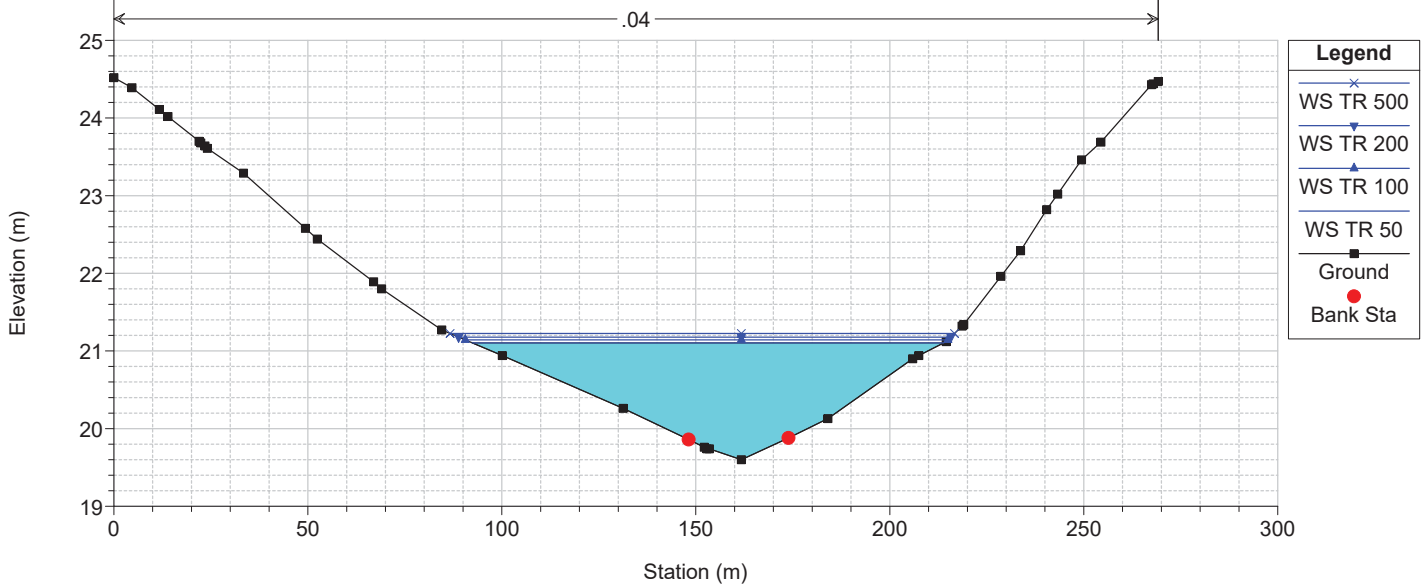
River = Fiume_122438 Reach = C49 RS = 489.8294 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

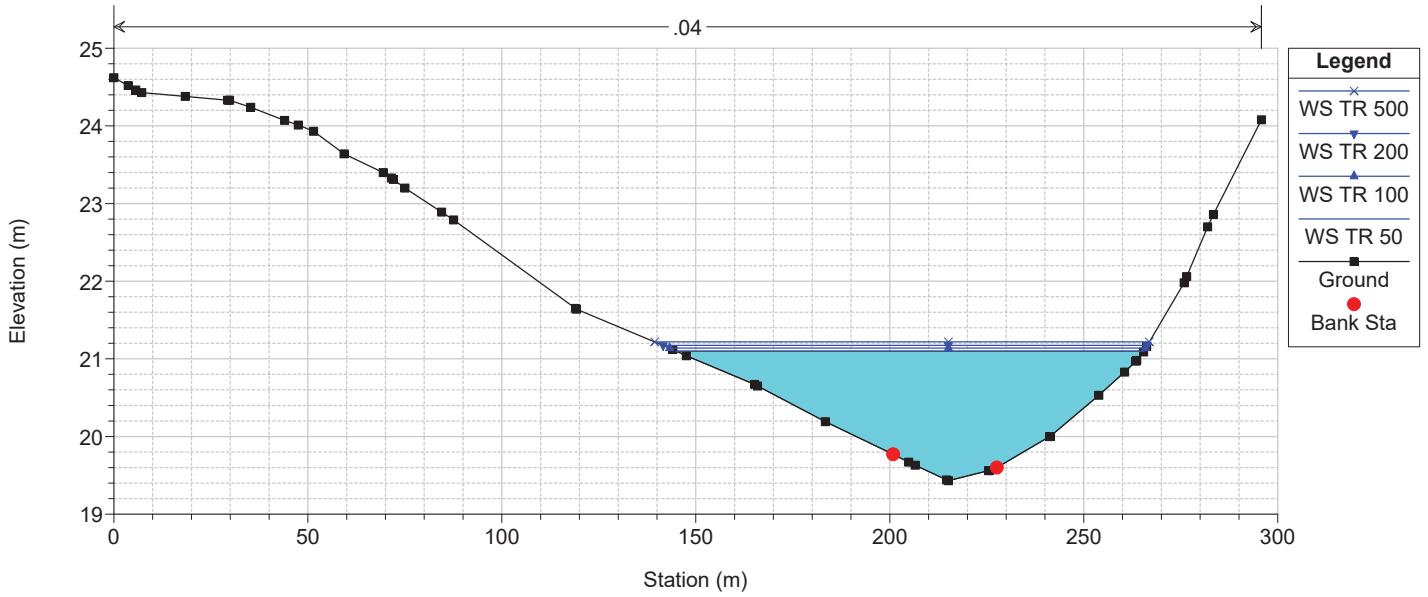
River = Fiume_122438 Reach = C49 RS = 455.4481 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

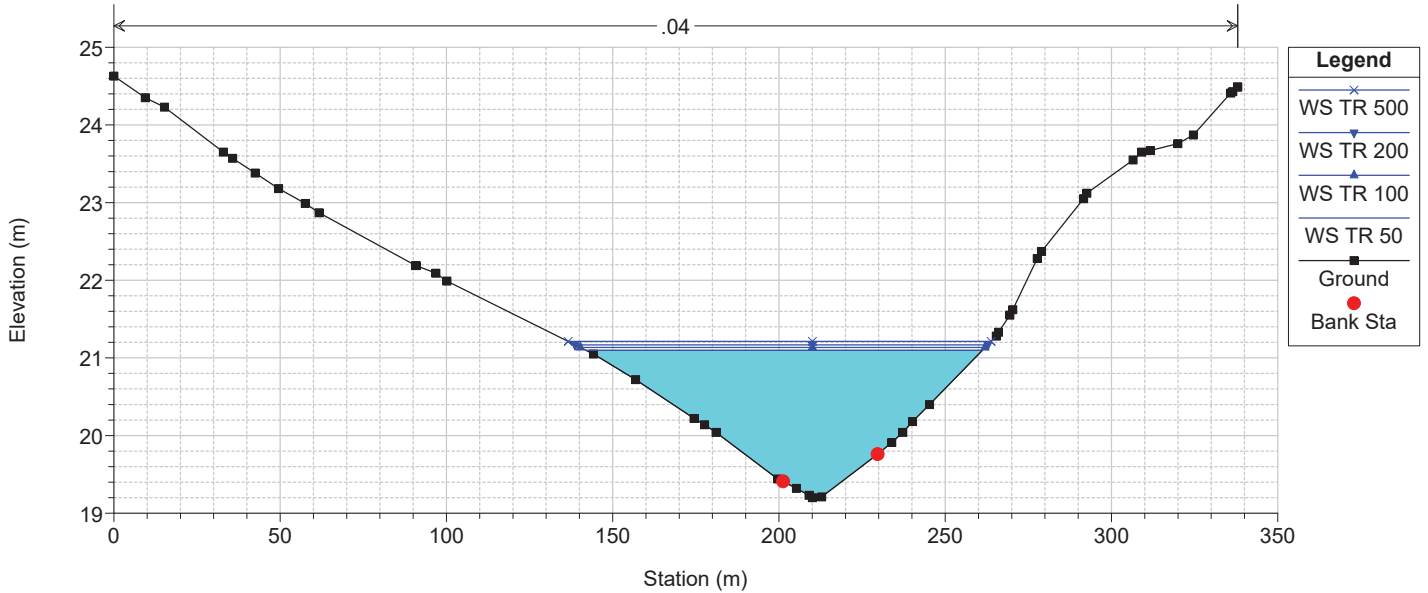
River = Fiume_122438 Reach = C49 RS = 419.9905 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

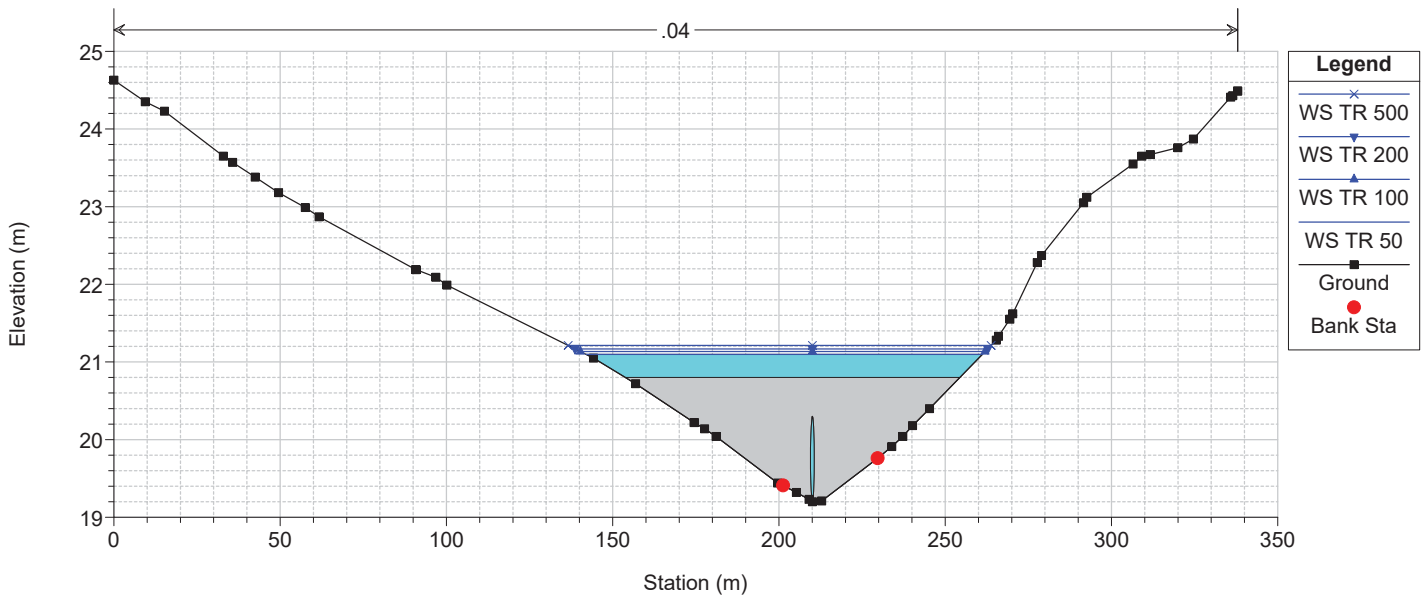
River = Fiume_122438 Reach = C49 RS = 382.0862 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

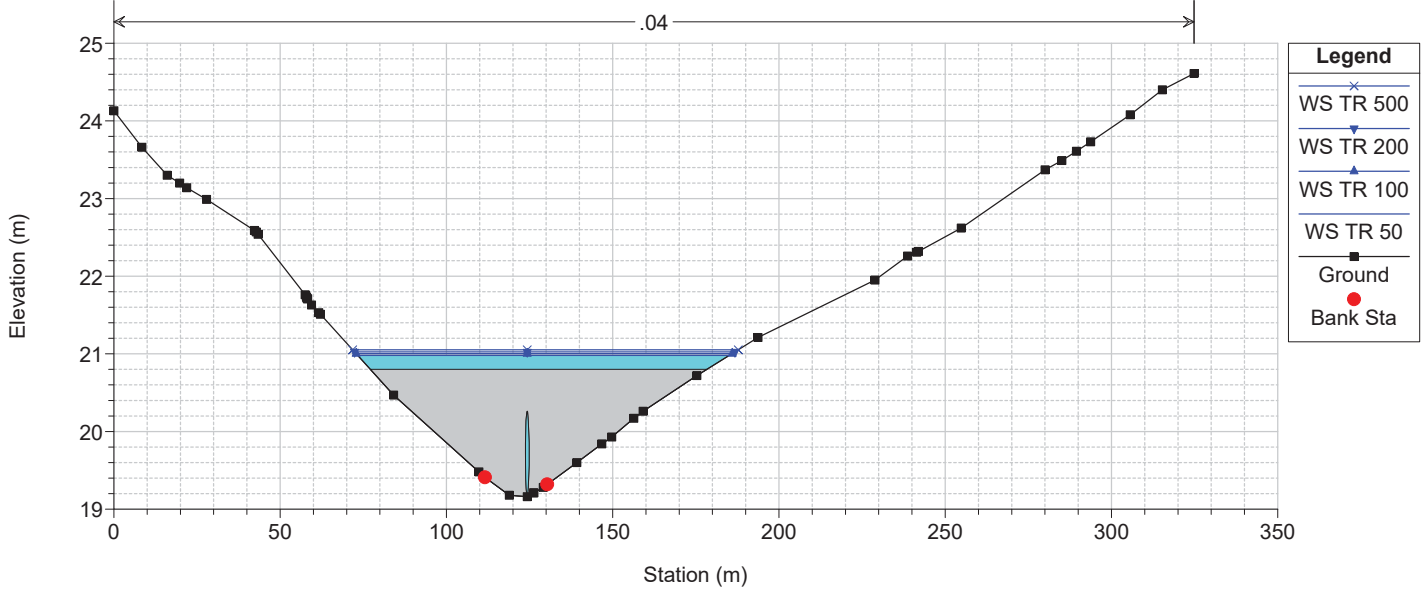
River = Fiume_122438 Reach = C49 RS = 377.2643 Culv C50 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

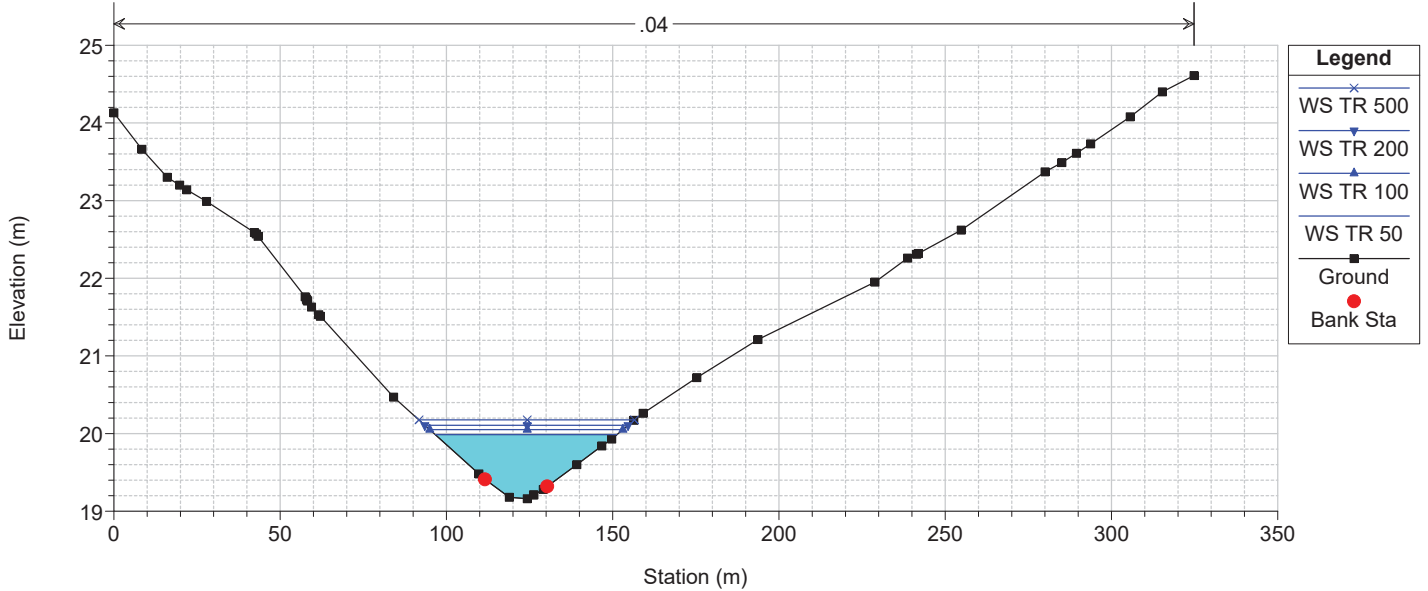
River = Fiume_122438 Reach = C49 RS = 377.2643 Culv C50 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

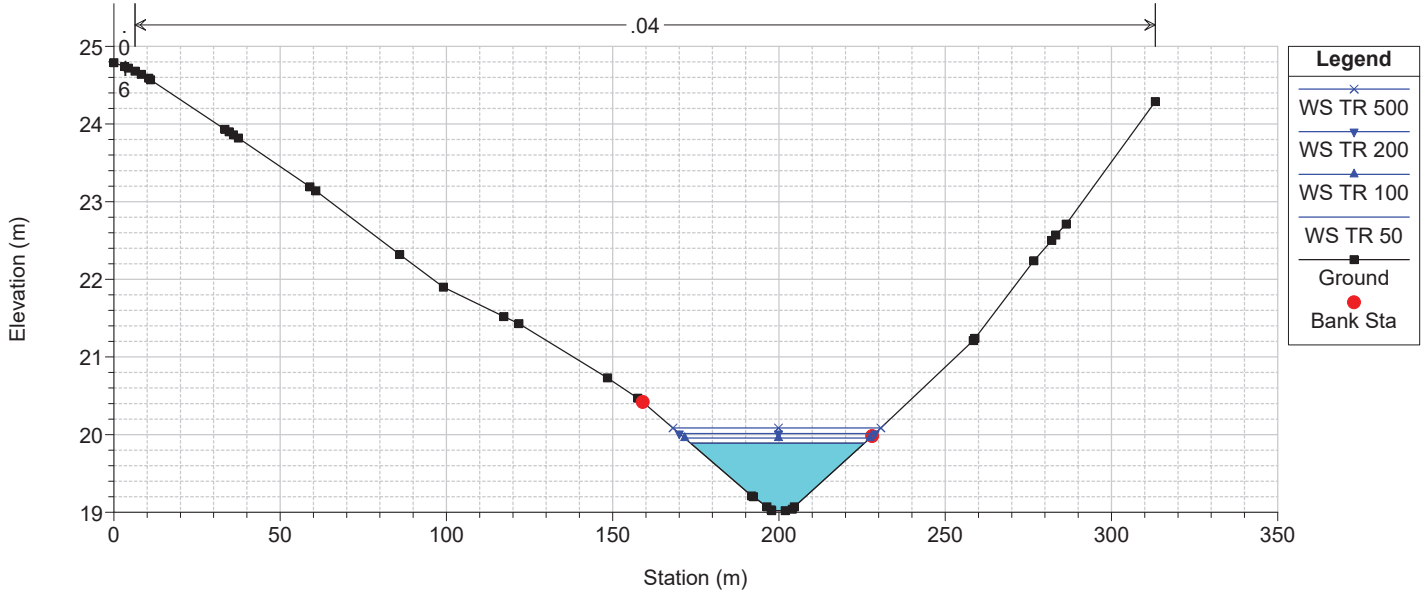
River = Fiume_122438 Reach = C49 RS = 372.744 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

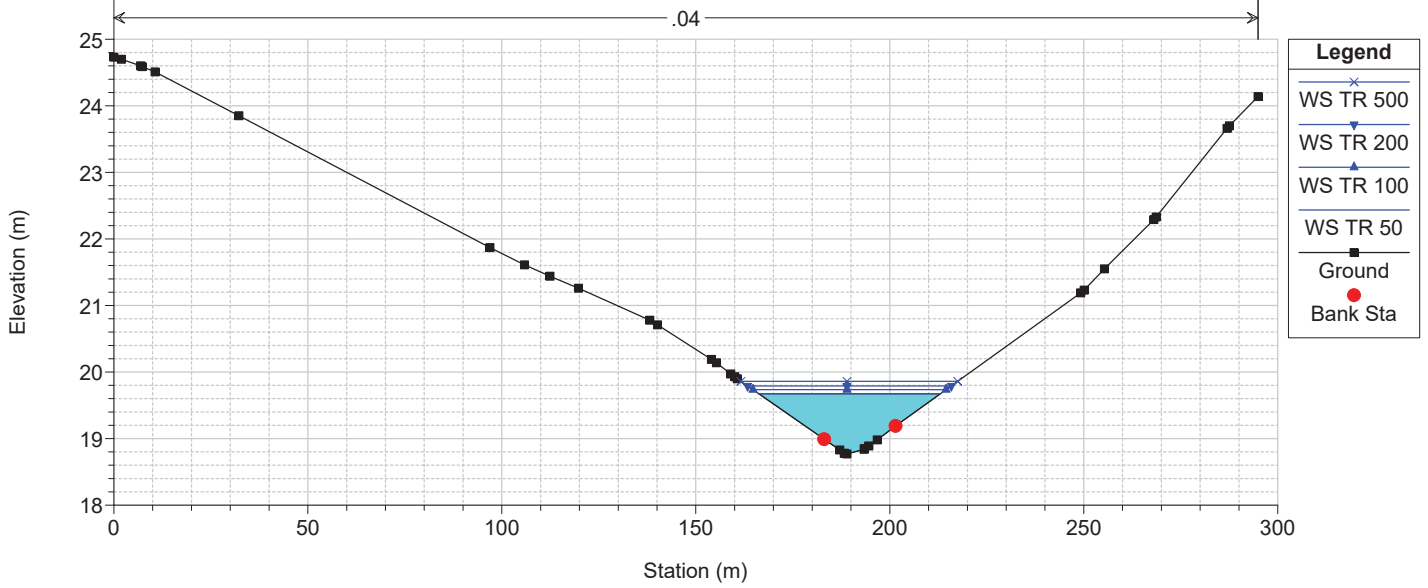
River = Fiume_122438 Reach = C49 RS = 349.985 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

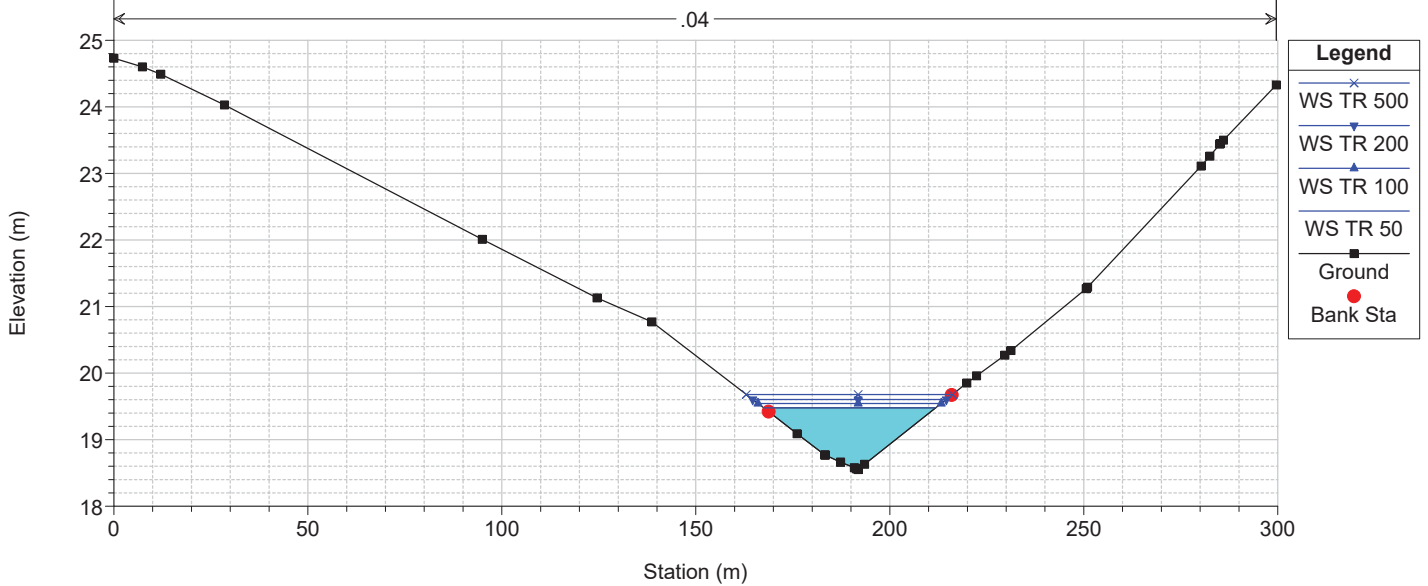
River = Fiume_122438 Reach = C49 RS = 314.831 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

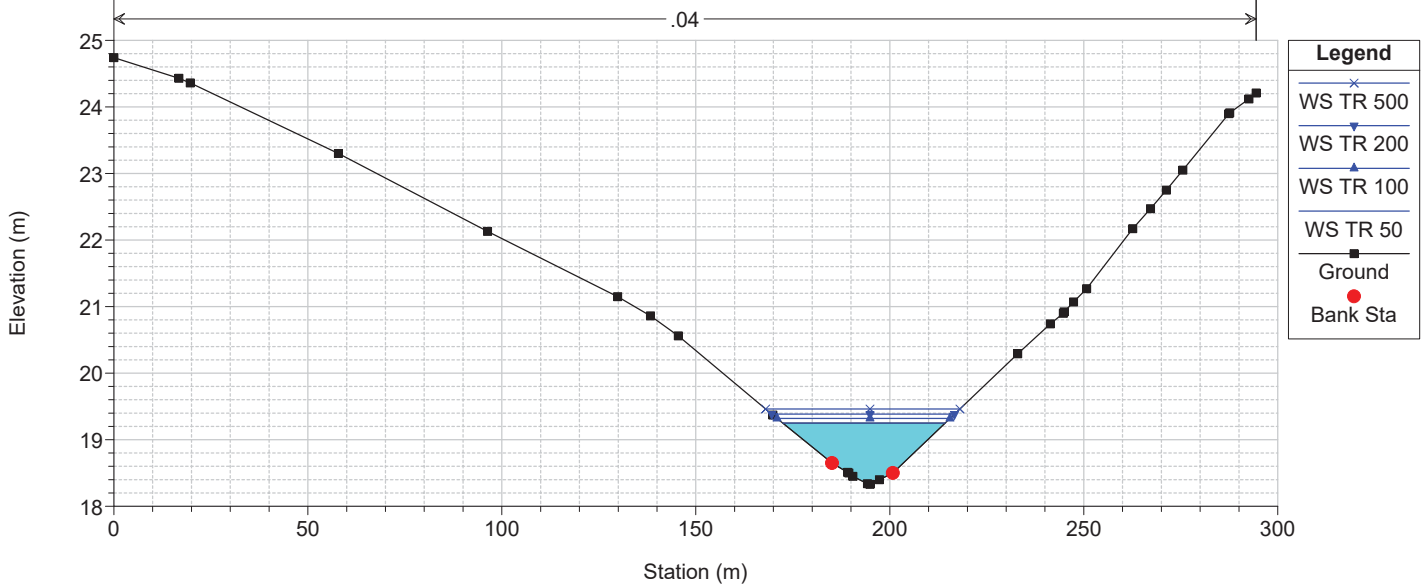
River = Fiume_122438 Reach = C49 RS = 279.6 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

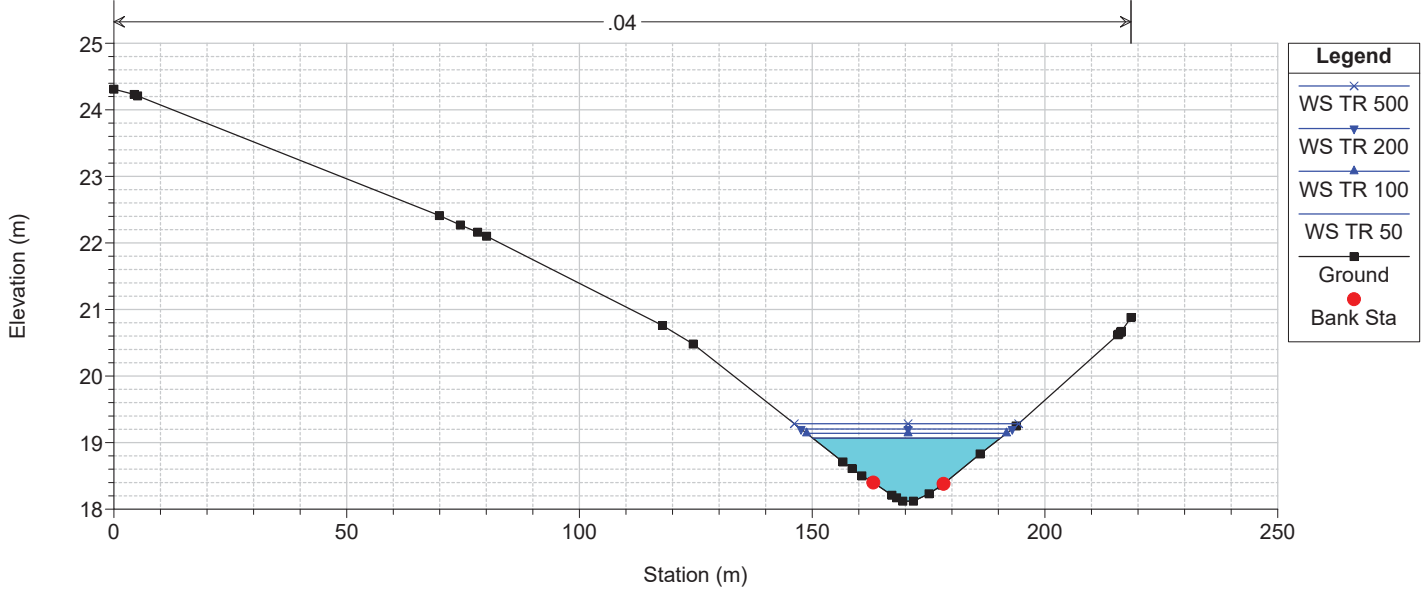
River = Fiume_122438 Reach = C49 RS = 244.9298 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

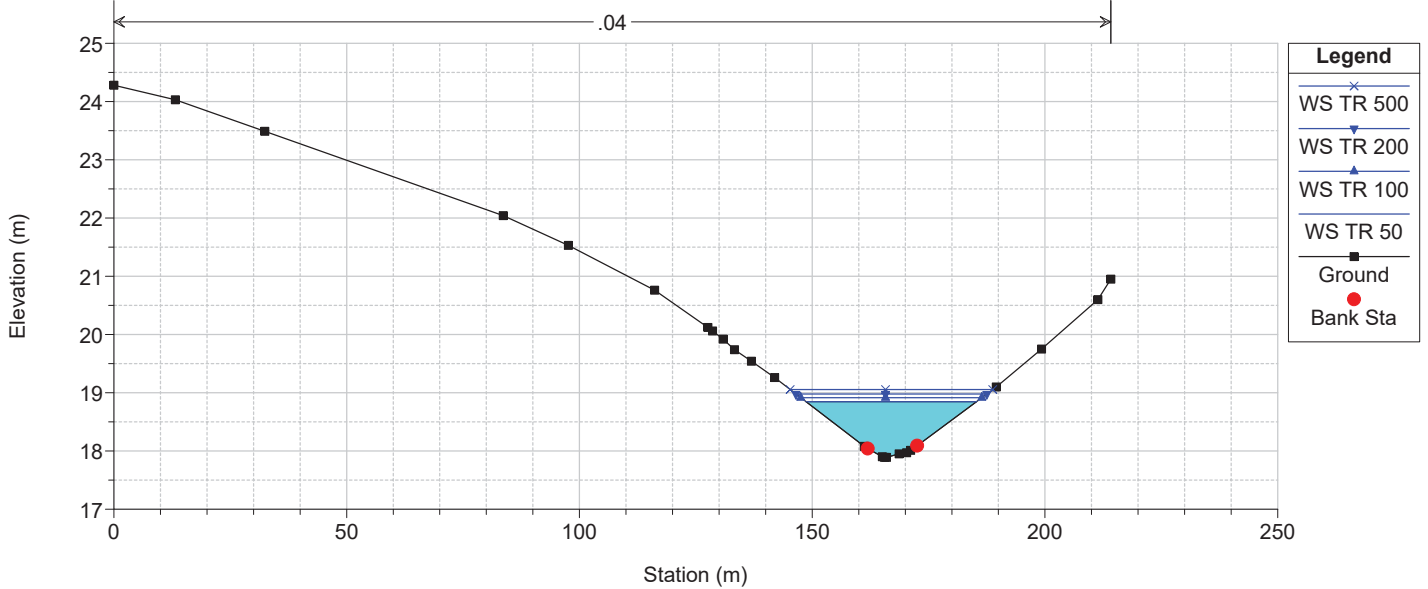
River = Fiume_122438 Reach = C49 RS = 210.4283 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

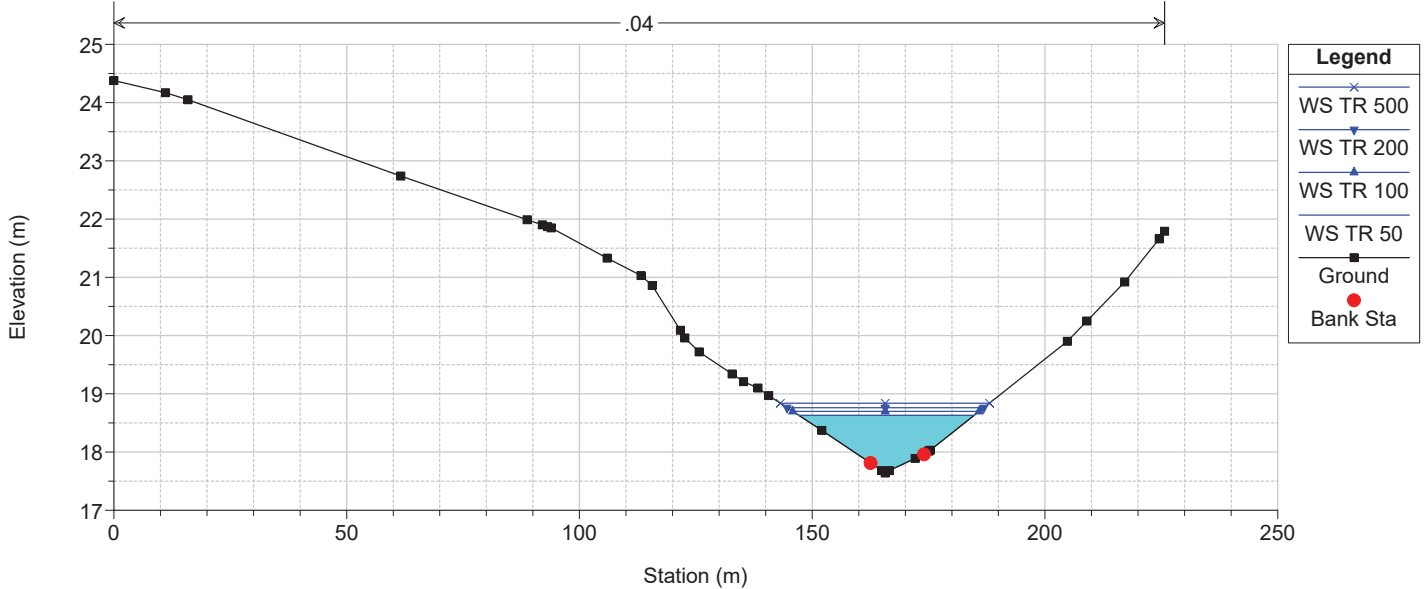
River = Fiume_122438 Reach = C49 RS = 174.9142 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

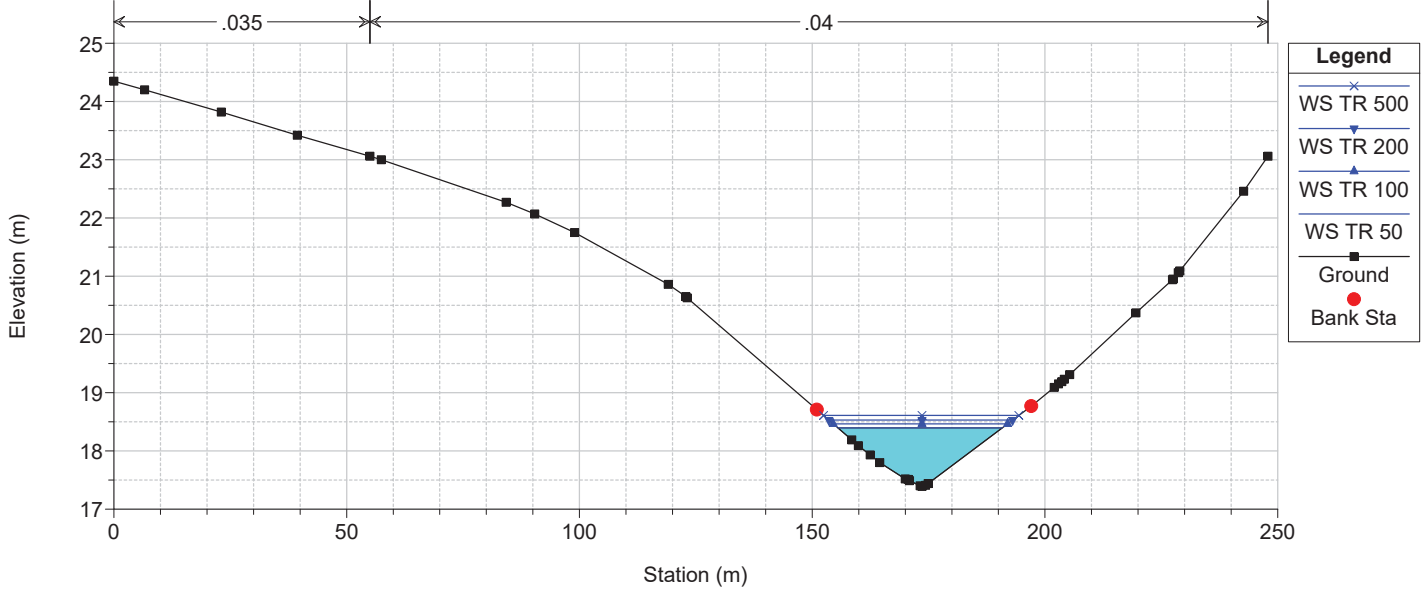
River = Fiume_122438 Reach = C49 RS = 140.0149 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

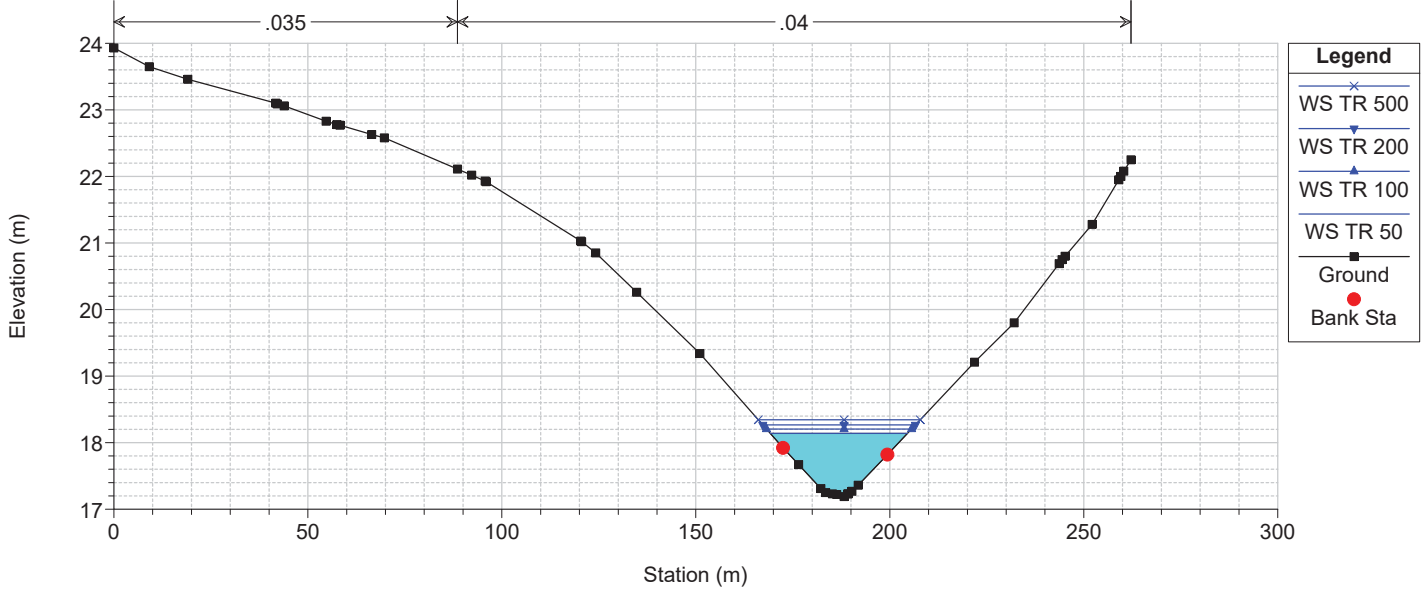
River = Fiume_122438 Reach = C49 RS = 105.0813 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

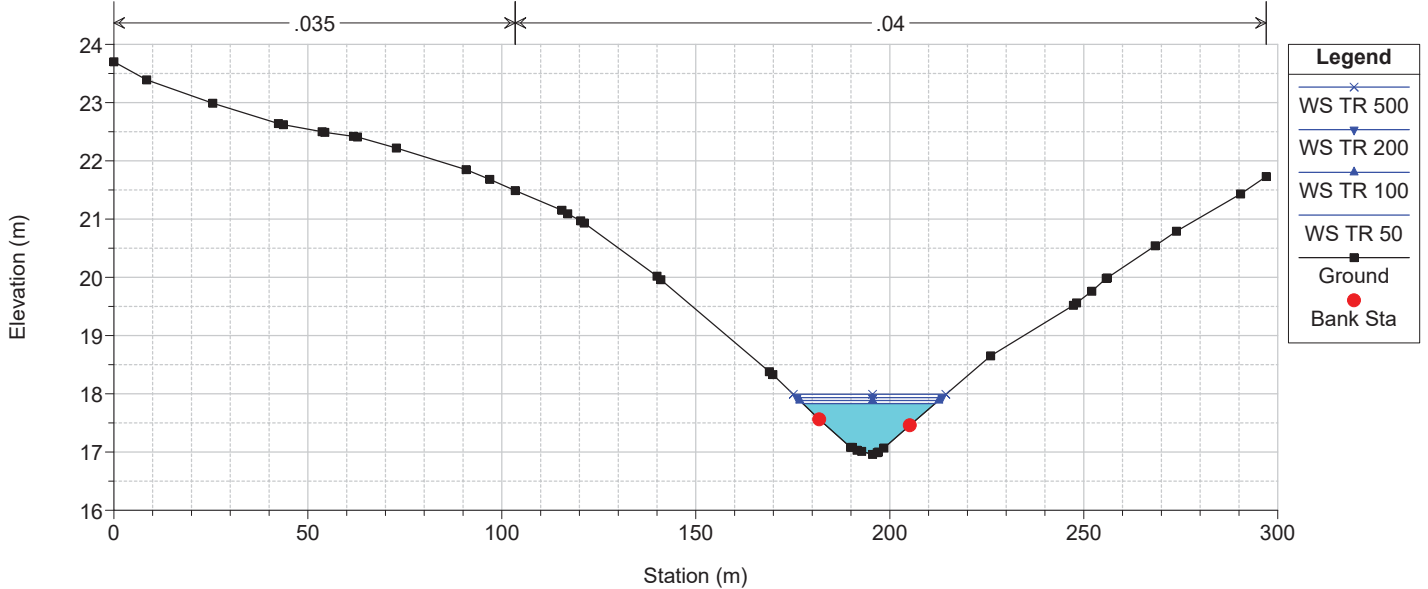
River = Fiume_122438 Reach = C49 RS = 69.8422 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

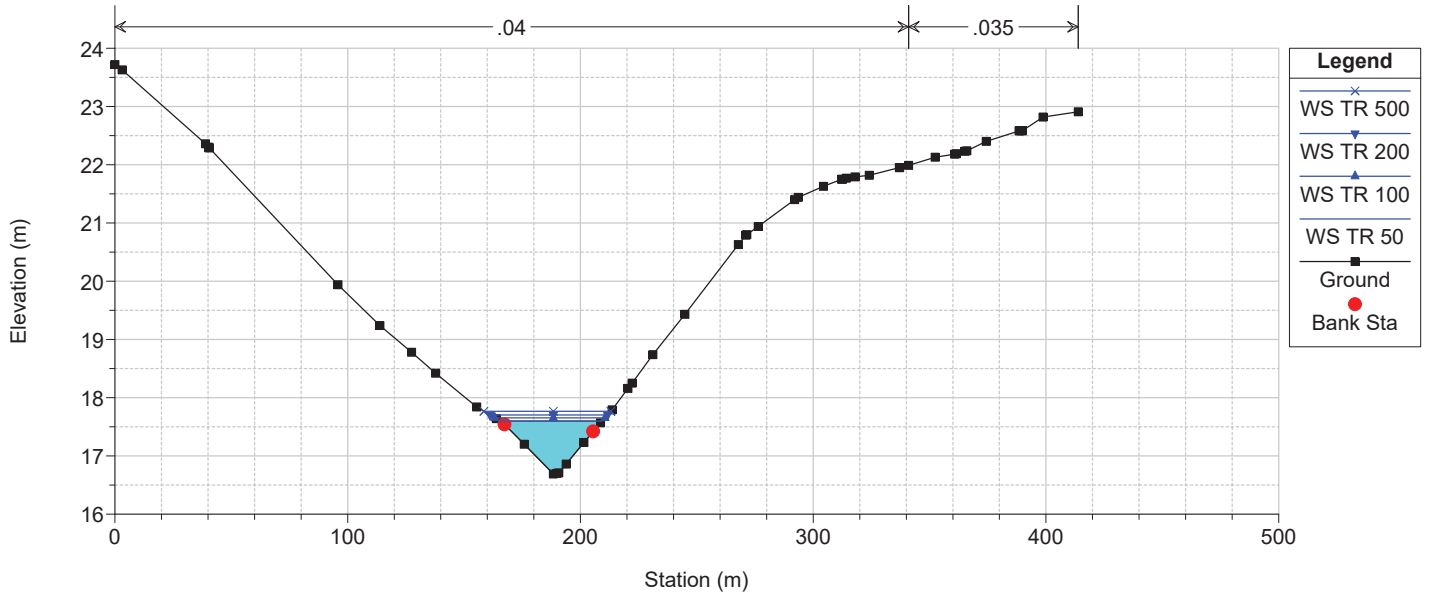
River = Fiume_122438 Reach = C49 RS = 34.99401 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_122438 Plan: Plan 01 4/26/2021

Geom: Fiume_122438 Flow: Fiume_122438

River = Fiume_122438 Reach = C49 RS = 0.613989 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



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
C49	1342.483	TR 50	27.79	24.40	27.09	25.21	27.09	0.000001	0.05	751.83	446.73	0.01
C49	1342.483	TR 100	32.85	24.40	27.10	25.23	27.10	0.000001	0.05	760.62	446.73	0.01
C49	1342.483	TR 200	37.95	24.40	27.12	25.25	27.12	0.000002	0.06	768.53	446.73	0.01
C49	1342.483	TR 500	44.75	24.40	27.14	25.27	27.14	0.000002	0.07	778.22	446.73	0.01
C49	1329.724	TR 50	27.79	24.31	27.09		27.09	0.000001	0.05	753.94	446.73	0.01
C49	1329.724	TR 100	32.85	24.31	27.10		27.10	0.000001	0.06	762.73	446.73	0.01
C49	1329.724	TR 200	37.95	24.31	27.12		27.12	0.000002	0.06	770.63	446.73	0.01
C49	1329.724	TR 500	44.75	24.31	27.14		27.14	0.000002	0.08	780.32	446.73	0.01
C49	1294.863	TR 50	27.79	24.12	27.09		27.09	0.000001	0.05	740.78	430.68	0.01
C49	1294.863	TR 100	32.85	24.12	27.10		27.10	0.000001	0.06	749.25	430.68	0.01
C49	1294.863	TR 200	37.95	24.12	27.12		27.12	0.000002	0.07	756.87	430.68	0.01
C49	1294.863	TR 500	44.75	24.12	27.14		27.14	0.000002	0.08	766.20	430.68	0.01
C49	1260.053	TR 50	27.79	23.91	27.08		27.09	0.000001	0.06	700.54	399.69	0.01
C49	1260.053	TR 100	32.85	23.91	27.10		27.10	0.000002	0.06	708.40	399.69	0.01
C49	1260.053	TR 200	37.95	23.91	27.12		27.12	0.000002	0.07	715.46	399.69	0.01
C49	1260.053	TR 500	44.75	23.91	27.14		27.14	0.000003	0.09	724.10	399.69	0.02
C49	1224.688	TR 50	27.79	23.70	27.08		27.09	0.000001	0.06	643.63	366.31	0.01
C49	1224.688	TR 100	32.85	23.70	27.10		27.10	0.000002	0.07	650.82	366.31	0.01
C49	1224.688	TR 200	37.95	23.70	27.12		27.12	0.000002	0.08	657.29	366.31	0.01
C49	1224.688	TR 500	44.75	23.70	27.14		27.14	0.000003	0.09	665.20	366.31	0.02
C49	1189.89	TR 50	27.79	23.53	27.08		27.08	0.000001	0.07	603.32	343.86	0.01
C49	1189.89	TR 100	32.85	23.53	27.10		27.10	0.000002	0.08	610.06	343.86	0.01
C49	1189.89	TR 200	37.95	23.53	27.12		27.12	0.000002	0.09	616.12	343.86	0.02
C49	1189.89	TR 500	44.75	23.53	27.14		27.14	0.000003	0.10	623.53	343.86	0.02
C49	1157.237	TR 50	27.79	23.37	27.08	24.31	27.08	0.000002	0.07	546.25	318.48	0.01
C49	1157.237	TR 100	32.85	23.37	27.10	24.37	27.10	0.000002	0.09	552.48	318.48	0.02
C49	1157.237	TR 200	37.95	23.37	27.12	24.44	27.12	0.000003	0.10	558.08	318.48	0.02
C49	1157.237	TR 500	44.75	23.37	27.14	24.51	27.14	0.000004	0.11	564.93	318.48	0.02
C49	1148.838		Bridge									
C49	1141.628	TR 50	27.79	23.27	23.75	24.16	26.53	0.609445	7.39	3.76	16.12	4.88
C49	1141.628	TR 100	32.85	23.27	23.79	24.22	26.54	0.537159	7.35	4.47	17.58	4.65
C49	1141.628	TR 200	37.95	23.27	23.83	24.27	26.56	0.482691	7.32	5.19	18.95	4.46
C49	1141.628	TR 500	44.75	23.27	23.88	24.35	26.59	0.428749	7.29	6.14	20.62	4.27
C49	1120.062	TR 50	27.79	23.23	24.37	24.03	24.42	0.002571	1.00	29.56	58.30	0.38
C49	1120.062	TR 100	32.85	23.23	24.43	24.09	24.49	0.002635	1.07	33.31	64.00	0.39
C49	1120.062	TR 200	37.95	23.23	24.47	24.13	24.54	0.002843	1.15	36.22	68.09	0.41
C49	1120.062	TR 500	44.75	23.23	24.54	24.19	24.61	0.002897	1.23	41.01	74.35	0.42
C49	1085.225	TR 50	27.79	23.05	24.29		24.34	0.002170	1.10	31.32	60.13	0.37
C49	1085.225	TR 100	32.85	23.05	24.34		24.40	0.002360	1.19	34.77	64.89	0.39
C49	1085.225	TR 200	37.95	23.05	24.37		24.44	0.002776	1.32	36.66	67.39	0.42
C49	1085.225	TR 500	44.75	23.05	24.43		24.51	0.002971	1.42	40.91	72.70	0.44
C49	1049.985	TR 50	27.79	22.88	24.26		24.28	0.000757	0.78	51.22	87.10	0.23
C49	1049.985	TR 100	32.85	22.88	24.32		24.34	0.000845	0.85	56.04	91.29	0.24
C49	1049.985	TR 200	37.95	22.88	24.34		24.37	0.001023	0.95	58.27	93.16	0.27
C49	1049.985	TR 500	44.75	22.88	24.40		24.44	0.001127	1.03	63.92	97.76	0.28
C49	1015.389	TR 50	27.79	22.69	24.26		24.27	0.000287	0.52	74.69	106.77	0.14
C49	1015.389	TR 100	32.85	22.69	24.31		24.32	0.000334	0.57	80.44	111.46	0.15
C49	1015.389	TR 200	37.95	22.69	24.33		24.35	0.000413	0.64	82.92	113.43	0.17
C49	1015.389	TR 500	44.75	22.69	24.39		24.41	0.000473	0.70	89.60	118.55	0.19
C49	1005.91	TR 50	27.79	22.64	24.26	23.40	24.26	0.000232	0.47	80.76	111.45	0.13
C49	1005.91	TR 100	32.85	22.64	24.31	23.45	24.32	0.000271	0.52	86.72	115.89	0.14
C49	1005.91	TR 200	37.95	22.64	24.33	23.50	24.34	0.000337	0.59	89.25	117.70	0.16
C49	1005.91	TR 500	44.75	22.64	24.39	23.57	24.40	0.000388	0.65	96.13	122.48	0.17
C49	1000.509		Culvert									
C49	996.7191	TR 50	27.79	22.58	23.55		23.63	0.004141	1.38	25.62	57.85	0.49
C49	996.7191	TR 100	32.85	22.58	23.59		23.68	0.004580	1.51	28.19	61.47	0.52
C49	996.7191	TR 200	37.95	22.58	23.64		23.74	0.004849	1.60	30.99	65.17	0.54
C49	996.7191	TR 500	44.75	22.58	23.69		23.80	0.005196	1.72	34.47	69.50	0.57
C49	979.8832	TR 50	27.79	22.49	23.51		23.56	0.003095	1.24	31.34	75.93	0.43
C49	979.8832	TR 100	32.85	22.49	23.55		23.61	0.003392	1.34	34.48	79.04	0.46
C49	979.8832	TR 200	37.95	22.49	23.59		23.66	0.003506	1.41	38.09	82.47	0.47
C49	979.8832	TR 500	44.75	22.49	23.64		23.72	0.003660	1.49	42.49	86.00	0.48
C49	945.4506	TR 50	27.79	22.28	23.45		23.49	0.001378	0.92	40.66	77.49	0.30
C49	945.4506	TR 100	32.85	22.28	23.48		23.52	0.001675	1.04	42.95	79.68	0.33
C49	945.4506	TR 200	37.95	22.28	23.52		23.57	0.001882	1.12	45.96	82.42	0.35
C49	945.4506	TR 500	44.75	22.28	23.56		23.62	0.002172	1.24	49.45	85.48	0.38

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
C49	909.8806	TR 50	27.79	22.08	23.44		23.45	0.000538	0.64	58.29	92.29	0.19
C49	909.8806	TR 100	32.85	22.08	23.46		23.48	0.000682	0.73	60.57	94.19	0.21
C49	909.8806	TR 200	37.95	22.08	23.50		23.52	0.000799	0.81	63.75	96.77	0.23
C49	909.8806	TR 500	44.75	22.08	23.53		23.56	0.000968	0.90	67.28	99.56	0.26
C49	874.8162	TR 50	27.79	21.87	23.43		23.44	0.000189	0.38	86.58	115.78	0.11
C49	874.8162	TR 100	32.85	21.87	23.46		23.46	0.000243	0.44	89.29	117.45	0.13
C49	874.8162	TR 200	37.95	21.87	23.49		23.50	0.000291	0.49	93.11	119.77	0.14
C49	874.8162	TR 500	44.75	21.87	23.52		23.54	0.000360	0.55	97.26	122.24	0.16
C49	840.2514	TR 50	27.79	21.69	23.43		23.43	0.000064	0.23	143.48	182.52	0.07
C49	840.2514	TR 100	32.85	21.69	23.46		23.46	0.000082	0.27	147.71	184.36	0.08
C49	840.2514	TR 200	37.95	21.69	23.49		23.49	0.000099	0.30	153.67	186.93	0.08
C49	840.2514	TR 500	44.75	21.69	23.52		23.53	0.000123	0.34	160.13	189.66	0.09
C49	832.2945	TR 50	27.79	21.64	23.43	22.22	23.43	0.000048	0.24	159.04	179.68	0.06
C49	832.2945	TR 100	32.85	21.64	23.45	22.27	23.46	0.000063	0.27	163.21	182.20	0.07
C49	832.2945	TR 200	37.95	21.64	23.49	22.31	23.49	0.000077	0.31	169.09	184.30	0.08
C49	832.2945	TR 500	44.75	21.64	23.52	22.37	23.53	0.000096	0.35	175.44	187.11	0.09
C49	822.3917		Culvert									
C49	814.3149	TR 50	27.79	21.54	22.32		22.36	0.003650	0.98	29.91	73.70	0.43
C49	814.3149	TR 100	32.85	21.54	22.36		22.42	0.003718	1.05	33.52	78.33	0.44
C49	814.3149	TR 200	37.95	21.54	22.41		22.47	0.003758	1.11	37.10	82.33	0.45
C49	814.3149	TR 500	44.75	21.54	22.46		22.53	0.003829	1.18	41.58	87.00	0.46
C49	805.1815	TR 50	27.79	21.49	22.27		22.33	0.004701	1.05	27.62	72.67	0.48
C49	805.1815	TR 100	32.85	21.49	22.32		22.38	0.004709	1.12	31.10	76.77	0.49
C49	805.1815	TR 200	37.95	21.49	22.36		22.43	0.004685	1.18	34.55	80.50	0.50
C49	805.1815	TR 500	44.75	21.49	22.41		22.49	0.004718	1.25	38.83	84.89	0.51
C49	770.4368	TR 50	27.79	21.35	22.07		22.14	0.006235	1.34	25.39	69.79	0.57
C49	770.4368	TR 100	32.85	21.35	22.11		22.19	0.006299	1.42	28.60	73.53	0.58
C49	770.4368	TR 200	37.95	21.35	22.15		22.23	0.006637	1.51	31.21	76.43	0.60
C49	770.4368	TR 500	44.75	21.35	22.19		22.29	0.006863	1.61	34.82	80.28	0.62
C49	735.2346	TR 50	27.79	21.20	21.97	21.71	22.00	0.002334	0.82	38.06	95.49	0.35
C49	735.2346	TR 100	32.85	21.20	22.01	21.75	22.05	0.002444	0.88	42.23	99.40	0.36
C49	735.2346	TR 200	37.95	21.20	22.03	21.78	22.07	0.002881	0.97	44.16	101.16	0.40
C49	735.2346	TR 500	44.75	21.20	22.07	21.83	22.12	0.003214	1.07	47.83	104.42	0.42
C49	700.1413	TR 50	27.79	21.01	21.95	21.45	21.96	0.000505	0.50	67.89	124.67	0.17
C49	700.1413	TR 100	32.85	21.01	21.99	21.48	22.00	0.000577	0.55	73.04	128.22	0.19
C49	700.1413	TR 200	37.95	21.01	22.01	21.52	22.02	0.000719	0.62	74.89	129.46	0.21
C49	700.1413	TR 500	44.75	21.01	22.04	21.56	22.06	0.000866	0.70	78.93	132.16	0.23
C49	665.7307	TR 50	27.79	20.78	21.95		21.95	0.000076	0.23	154.37	230.29	0.07
C49	665.7307	TR 100	32.85	20.78	21.99		21.99	0.000089	0.26	164.01	237.62	0.08
C49	665.7307	TR 200	37.95	20.78	22.01		22.01	0.000111	0.29	167.49	238.94	0.09
C49	665.7307	TR 500	44.75	20.78	22.04		22.04	0.000135	0.33	175.04	241.78	0.10
C49	630.8401	TR 50	27.79	20.56	21.95		21.95	0.000071	0.23	147.25	194.51	0.07
C49	630.8401	TR 100	32.85	20.56	21.99		21.99	0.000084	0.26	155.19	198.08	0.08
C49	630.8401	TR 200	37.95	20.56	22.00		22.00	0.000107	0.29	157.91	199.29	0.08
C49	630.8401	TR 500	44.75	20.56	22.03		22.04	0.000133	0.33	163.99	201.98	0.10
C49	609.3408	TR 50	27.79	20.43	21.95	20.97	21.95	0.000069	0.26	147.70	185.68	0.07
C49	609.3408	TR 100	32.85	20.43	21.99	21.01	21.99	0.000084	0.29	155.22	189.26	0.08
C49	609.3408	TR 200	37.95	20.43	22.00	21.05	22.00	0.000107	0.33	157.72	190.42	0.09
C49	609.3408	TR 500	44.75	20.43	22.03	21.10	22.03	0.000134	0.38	163.41	193.05	0.10
C49	604.2354		Culvert									
C49	600.2402	TR 50	27.79	20.37	21.19		21.22	0.002147	0.94	40.30	103.35	0.35
C49	600.2402	TR 100	32.85	20.37	21.23		21.27	0.002230	1.00	45.36	110.62	0.36
C49	600.2402	TR 200	37.95	20.37	21.28		21.31	0.002284	1.05	50.41	117.42	0.37
C49	600.2402	TR 500	44.75	20.37	21.33		21.37	0.002322	1.10	57.08	125.83	0.38
C49	594.9059	TR 50	27.79	20.34	21.18		21.21	0.001896	0.90	42.48	106.63	0.33
C49	594.9059	TR 100	32.85	20.34	21.22		21.26	0.001985	0.96	47.66	113.88	0.34
C49	594.9059	TR 200	37.95	20.34	21.27		21.30	0.002045	1.01	52.83	120.69	0.35
C49	594.9059	TR 500	44.75	20.34	21.32		21.36	0.002070	1.06	59.66	127.39	0.36
C49	559.9889	TR 50	27.79	20.14	21.14		21.16	0.000947	0.55	53.77	112.93	0.23
C49	559.9889	TR 100	32.85	20.14	21.19		21.20	0.001024	0.60	58.88	118.30	0.24
C49	559.9889	TR 200	37.95	20.14	21.23		21.25	0.001086	0.65	63.94	123.08	0.25
C49	559.9889	TR 500	44.75	20.14	21.28		21.30	0.001148	0.70	70.58	128.53	0.26
C49	524.0743	TR 50	27.79	19.94	21.12		21.13	0.000513	0.61	67.65	115.33	0.18
C49	524.0743	TR 100	32.85	19.94	21.16		21.17	0.000597	0.68	72.52	119.61	0.20
C49	524.0743	TR 200	37.95	19.94	21.20		21.22	0.000671	0.74	77.33	123.21	0.21

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
C49	524.0743	TR 500	44.75	19.94	21.25		21.27	0.000756	0.80	83.63	127.67	0.23
C49	489.8294	TR 50	27.79	19.77	21.11		21.12	0.000261	0.45	81.59	118.73	0.13
C49	489.8294	TR 100	32.85	19.77	21.15		21.16	0.000316	0.50	86.34	122.77	0.15
C49	489.8294	TR 200	37.95	19.77	21.19		21.20	0.000367	0.55	91.03	126.22	0.16
C49	489.8294	TR 500	44.75	19.77	21.23		21.25	0.000429	0.61	97.17	130.25	0.17
C49	455.4481	TR 50	27.79	19.60	21.10		21.11	0.000166	0.40	94.24	121.56	0.11
C49	455.4481	TR 100	32.85	19.60	21.14		21.15	0.000204	0.45	98.91	124.43	0.12
C49	455.4481	TR 200	37.95	19.60	21.18		21.19	0.000242	0.50	103.48	126.88	0.13
C49	455.4481	TR 500	44.75	19.60	21.22		21.24	0.000290	0.56	109.42	130.01	0.15
C49	419.9905	TR 50	27.79	19.43	21.10		21.10	0.000101	0.34	109.31	120.60	0.09
C49	419.9905	TR 100	32.85	19.43	21.14		21.14	0.000127	0.38	113.82	122.71	0.10
C49	419.9905	TR 200	37.95	19.43	21.17		21.18	0.000153	0.43	118.21	124.81	0.11
C49	419.9905	TR 500	44.75	19.43	21.22		21.23	0.000187	0.48	123.89	127.49	0.12
C49	382.0862	TR 50	27.79	19.20	21.10	19.83	21.10	0.000077	0.31	117.86	119.17	0.08
C49	382.0862	TR 100	32.85	19.20	21.13	19.88	21.14	0.000097	0.36	122.24	121.70	0.09
C49	382.0862	TR 200	37.95	19.20	21.17	19.92	21.17	0.000119	0.40	126.49	124.12	0.10
C49	382.0862	TR 500	44.75	19.20	21.21	19.98	21.22	0.000149	0.45	132.01	127.18	0.11
C49	377.2643		Culvert									
C49	372.744	TR 50	27.79	19.16	19.99		20.06	0.004371	1.36	25.37	54.69	0.50
C49	372.744	TR 100	32.85	19.16	20.05		20.13	0.004300	1.42	28.94	58.07	0.51
C49	372.744	TR 200	37.95	19.16	20.11		20.19	0.004279	1.49	32.32	61.10	0.51
C49	372.744	TR 500	44.75	19.16	20.18		20.27	0.004270	1.56	36.62	64.77	0.52
C49	349.985	TR 50	27.79	19.02	19.89		19.95	0.005024	1.09	25.40	52.31	0.50
C49	349.985	TR 100	32.85	19.02	19.96		20.02	0.004944	1.13	28.95	55.78	0.50
C49	349.985	TR 200	37.95	19.02	20.01		20.08	0.004821	1.17	32.32	58.85	0.50
C49	349.985	TR 500	44.75	19.02	20.09		20.16	0.004665	1.23	36.61	62.51	0.50
C49	314.831	TR 50	27.79	18.77	19.67		19.77	0.005244	1.50	22.38	46.72	0.55
C49	314.831	TR 100	32.85	18.77	19.73		19.84	0.005266	1.58	25.37	49.73	0.56
C49	314.831	TR 200	37.95	18.77	19.79		19.90	0.005276	1.66	28.29	52.50	0.57
C49	314.831	TR 500	44.75	18.77	19.86		19.98	0.005278	1.75	32.08	55.89	0.57
C49	279.6	TR 50	27.79	18.55	19.48		19.56	0.006388	1.27	21.90	44.39	0.57
C49	279.6	TR 100	32.85	18.55	19.54		19.63	0.006174	1.33	24.89	47.25	0.57
C49	279.6	TR 200	37.95	18.55	19.60		19.70	0.006004	1.38	27.84	49.92	0.57
C49	279.6	TR 500	44.75	18.55	19.68		19.78	0.005812	1.44	31.66	53.16	0.57
C49	244.9298	TR 50	27.79	18.33	19.25		19.35	0.005476	1.59	21.33	41.86	0.57
C49	244.9298	TR 100	32.85	18.33	19.32		19.43	0.005388	1.66	24.33	44.58	0.57
C49	244.9298	TR 200	37.95	18.33	19.38		19.50	0.005310	1.73	27.27	47.08	0.57
C49	244.9298	TR 500	44.75	18.33	19.46		19.59	0.005225	1.81	31.06	50.08	0.58
C49	210.4283	TR 50	27.79	18.12	19.07		19.17	0.005082	1.59	21.41	40.33	0.55
C49	210.4283	TR 100	32.85	18.12	19.14		19.25	0.005030	1.67	24.39	42.94	0.56
C49	210.4283	TR 200	37.95	18.12	19.20		19.33	0.004989	1.74	27.29	45.35	0.56
C49	210.4283	TR 500	44.75	18.12	19.28		19.41	0.004939	1.82	31.02	48.18	0.57
C49	174.9142	TR 50	27.79	17.89	18.85		18.97	0.006171	1.81	19.63	36.63	0.61
C49	174.9142	TR 100	32.85	17.89	18.92		19.05	0.006215	1.91	22.22	38.91	0.62
C49	174.9142	TR 200	37.95	17.89	18.98		19.12	0.006248	2.00	24.74	40.99	0.63
C49	174.9142	TR 500	44.75	17.89	19.06		19.21	0.006288	2.10	27.97	43.53	0.64
C49	140.0149	TR 50	27.79	17.64	18.63		18.75	0.006343	1.78	19.69	37.66	0.62
C49	140.0149	TR 100	32.85	17.64	18.70		18.83	0.006337	1.88	22.35	40.04	0.63
C49	140.0149	TR 200	37.95	17.64	18.76		18.90	0.006309	1.96	24.97	42.25	0.63
C49	140.0149	TR 500	44.75	17.64	18.84		18.99	0.006288	2.05	28.32	44.93	0.64
C49	105.0813	TR 50	27.79	17.39	18.40		18.50	0.007758	1.46	19.06	35.29	0.63
C49	105.0813	TR 100	32.85	17.39	18.47		18.58	0.007737	1.52	21.59	37.45	0.64
C49	105.0813	TR 200	37.95	17.39	18.53		18.66	0.007689	1.58	24.09	39.47	0.64
C49	105.0813	TR 500	44.75	17.39	18.61		18.75	0.007623	1.64	27.31	41.92	0.65
C49	69.8422	TR 50	27.79	17.19	18.14		18.26	0.006450	1.52	18.99	35.33	0.60
C49	69.8422	TR 100	32.85	17.19	18.21		18.34	0.006407	1.62	21.40	37.41	0.61
C49	69.8422	TR 200	37.95	17.19	18.27		18.41	0.006346	1.70	23.80	39.36	0.61
C49	69.8422	TR 500	44.75	17.19	18.34		18.50	0.006269	1.80	26.92	41.76	0.62
C49	34.99401	TR 50	27.79	16.96	17.83		17.99	0.009048	1.77	16.78	34.11	0.70
C49	34.99401	TR 100	32.85	16.96	17.89		18.06	0.009462	1.91	18.62	35.85	0.73
C49	34.99401	TR 200	37.95	16.96	17.93	17.85	18.13	0.009856	2.03	20.37	37.43	0.75
C49	34.99401	TR 500	44.75	16.96	17.99	17.92	18.22	0.010336	2.19	22.58	39.33	0.78
C49	0.613989	TR 50	27.79	16.69	17.60	17.44	17.70	0.007028	1.37	20.56	43.95	0.60
C49	0.613989	TR 100	32.85	16.69	17.65	17.49	17.76	0.007024	1.46	23.03	47.36	0.61
C49	0.613989	TR 200	37.95	16.69	17.70	17.54	17.82	0.007023	1.54	25.49	50.59	0.62
C49	0.613989	TR 500	44.75	16.69	17.77	17.59	17.90	0.007022	1.64	28.71	54.53	0.63

Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q Culv Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	Culv Vel US (m/s)	Culv Vel DS (m/s)
C49	1000.509 Culvert #1	TR 50	24.26	24.26	24.27	24.26	23.94	3.12	24.67	0.70	3.11	3.11
C49	1000.509 Culvert #1	TR 100	24.32	24.31	24.30	24.32	23.94	3.15	29.71	0.71	3.13	3.13
C49	1000.509 Culvert #1	TR 200	24.34	24.33	24.34	24.34	23.94	3.10	34.94	0.69	3.09	3.09
C49	1000.509 Culvert #1	TR 500	24.40	24.39	24.39	24.40	23.94	3.12	41.63	0.70	3.10	3.10
C49	822.3917 Culvert #1	TR 50	23.43	23.43	23.43	23.12	23.24	8.22	19.57	1.12	2.99	4.65
C49	822.3917 Culvert #1	TR 100	23.46	23.45	23.46	23.14	23.24	8.31	24.54	1.09	3.02	4.69
C49	822.3917 Culvert #1	TR 200	23.49	23.49	23.49	23.16	23.24	8.43	29.53	1.08	3.07	4.74
C49	822.3917 Culvert #1	TR 500	23.53	23.52	23.53	23.17	23.24	8.55	36.38	1.06	3.11	4.79
C49	604.2354 Culvert #1	TR 50	21.95	21.95	21.95	21.95	21.73	3.25	24.66	0.76	3.23	3.23
C49	604.2354 Culvert #1	TR 100	21.99	21.99	21.99	21.99	21.73	3.23	29.62	0.75	3.21	3.21
C49	604.2354 Culvert #1	TR 200	22.00	22.00	22.00	22.00	21.73	3.17	34.91	0.72	3.15	3.15
C49	604.2354 Culvert #1	TR 500	22.03	22.03	22.04	22.03	21.73	3.11	41.64	0.70	3.10	3.10
C49	377.2643 Culvert #1	TR 50	21.10	21.10	21.10	20.84	20.80	2.84	24.89	1.11	2.99	4.32
C49	377.2643 Culvert #1	TR 100	21.14	21.13	21.14	20.87	20.80	2.89	29.97	1.08	3.04	4.38
C49	377.2643 Culvert #1	TR 200	21.17	21.17	21.17	20.89	20.80	2.93	35.07	1.06	3.08	4.45
C49	377.2643 Culvert #1	TR 500	21.22	21.21	21.22	20.93	20.80	2.98	41.77	1.04	3.14	4.52

COMUNE DI ALGHERO

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale ai sensi dell'art.8 comma 2 delle N.A. del PAI

Area di indagine: **TERRITORIO COMUNALE**

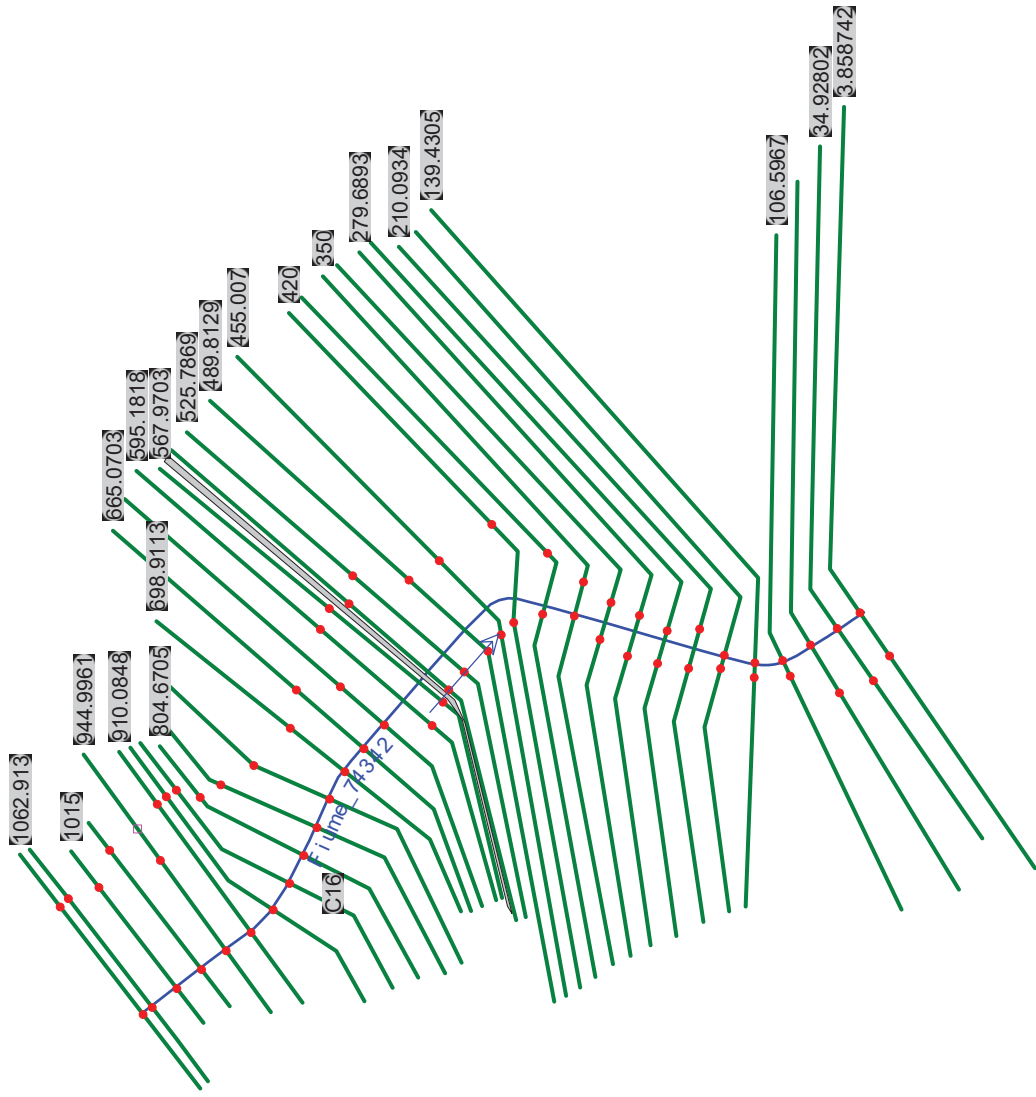
SIMULAZIONI IN MOTO PERMANENTE

Modello 13 - Fiume 74342

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per i tempi di ritorno 50, 100, 200 e 500 anni;

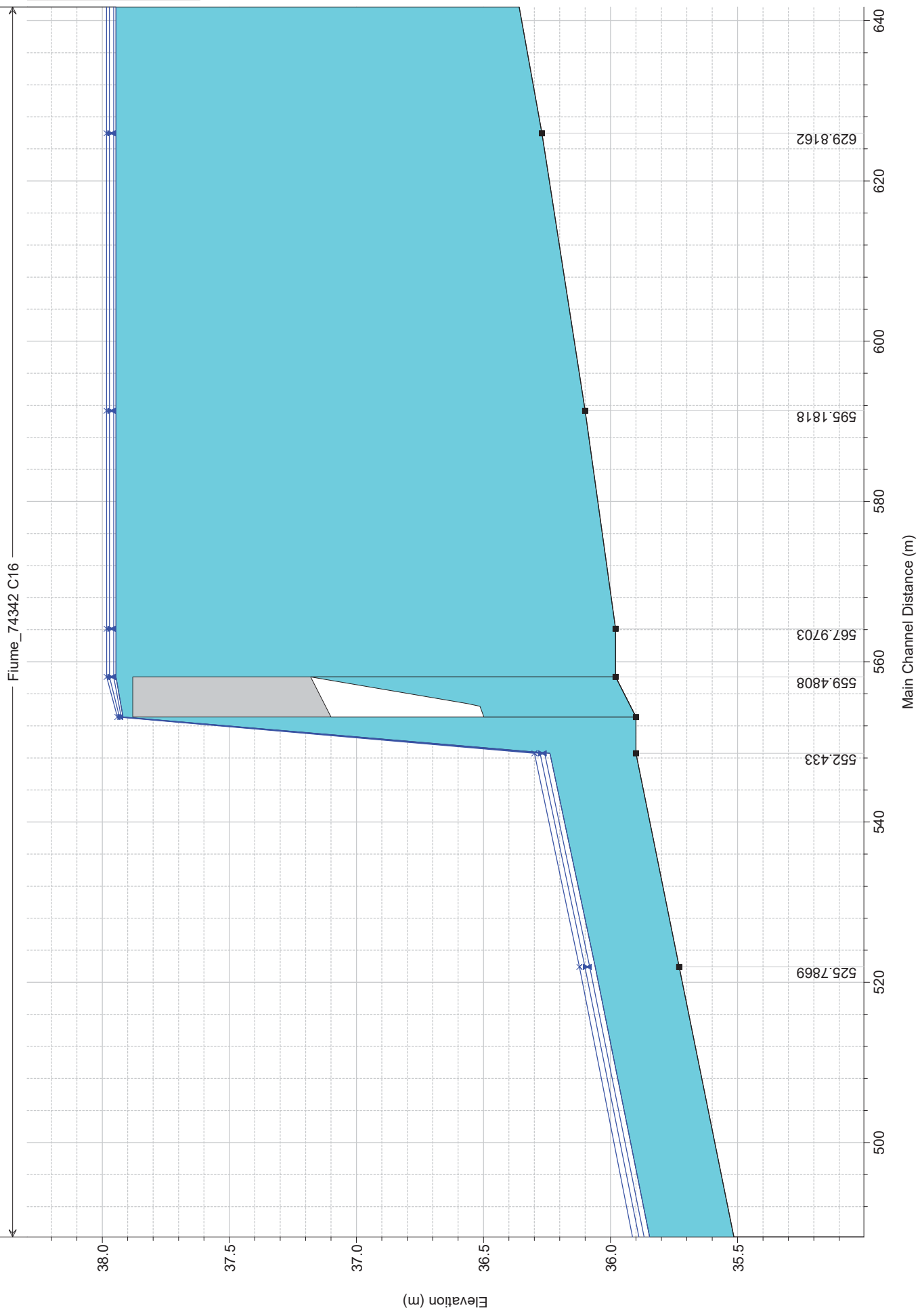
River	Reach	RS	PORTATE mc/s			
			TR 50	TR 100	TR 200	TR 500
Fiume_74342	C16	1062.913	23.555	27.838	32.152	37.889

River	Reach	PROFILI	condizioni al contorno	
			upstream	downstream
Fiume_74342	C16	all	Critical Depth	Critical Depth



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

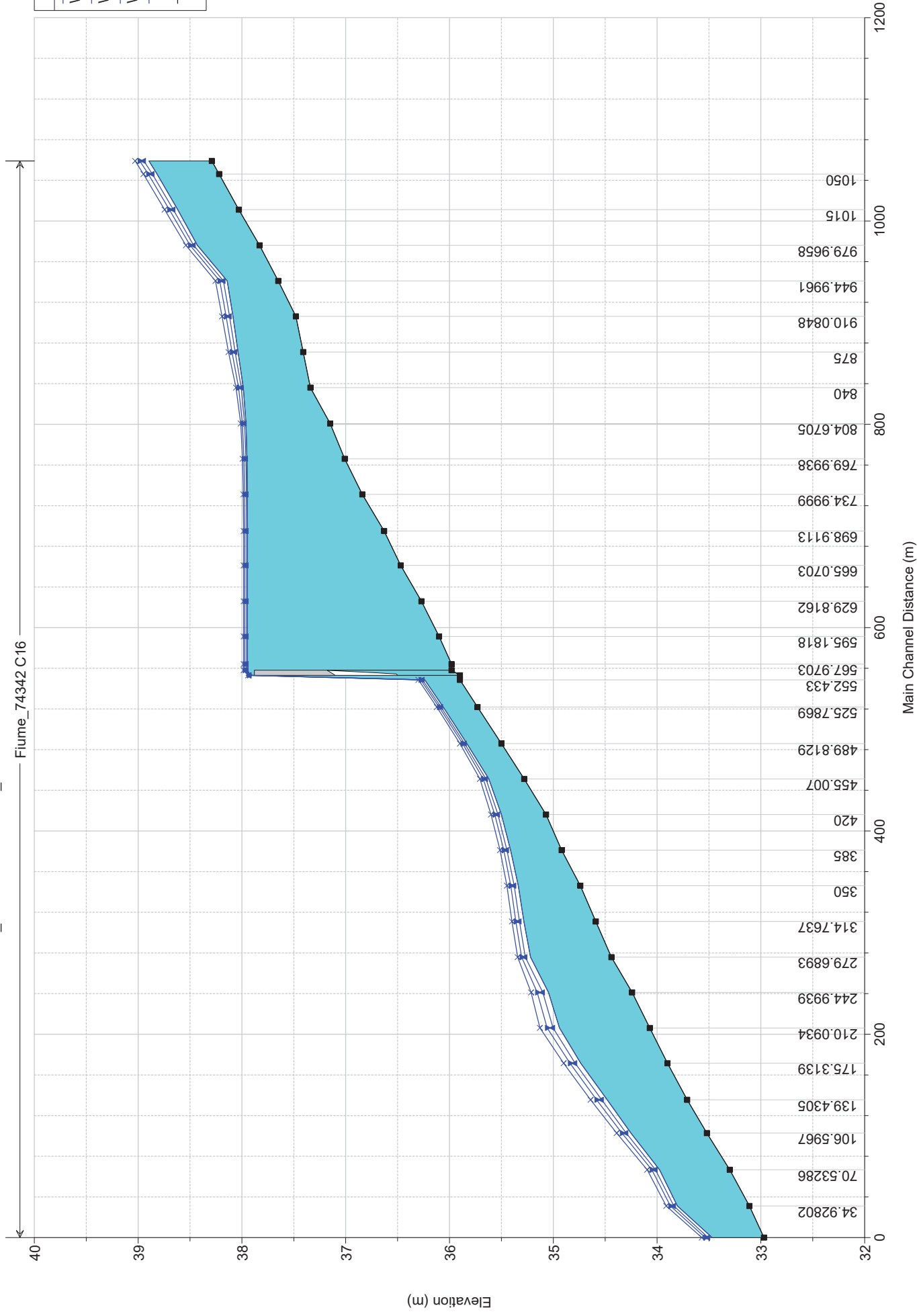


Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

Fiume_74342 C16

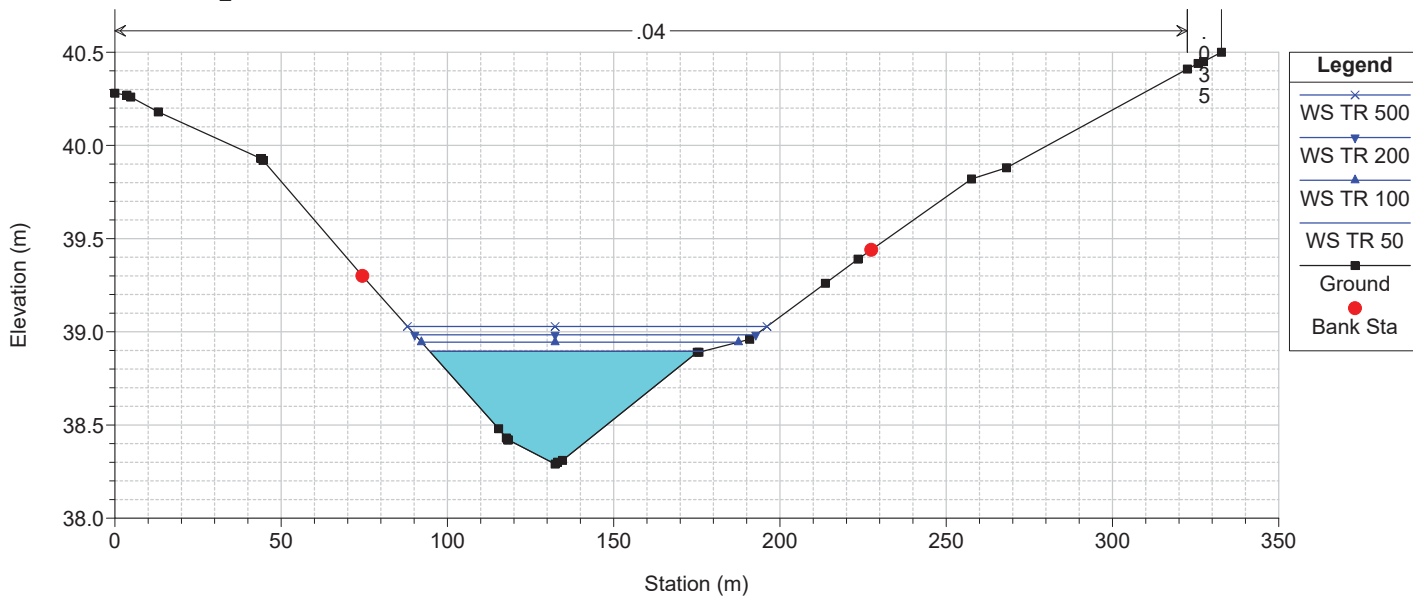
Legend	
WS TR 500	✕
WS TR 200	▶
WS TR 100	▲
WS TR 50	■
Ground	■



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

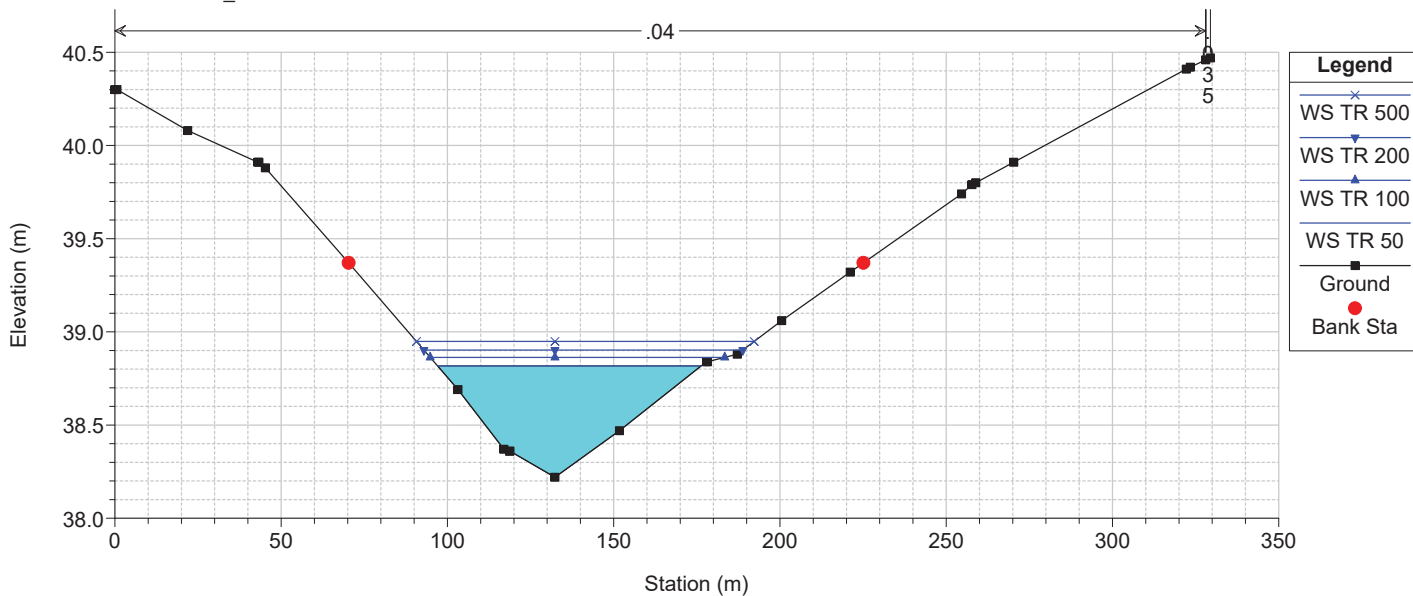
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Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

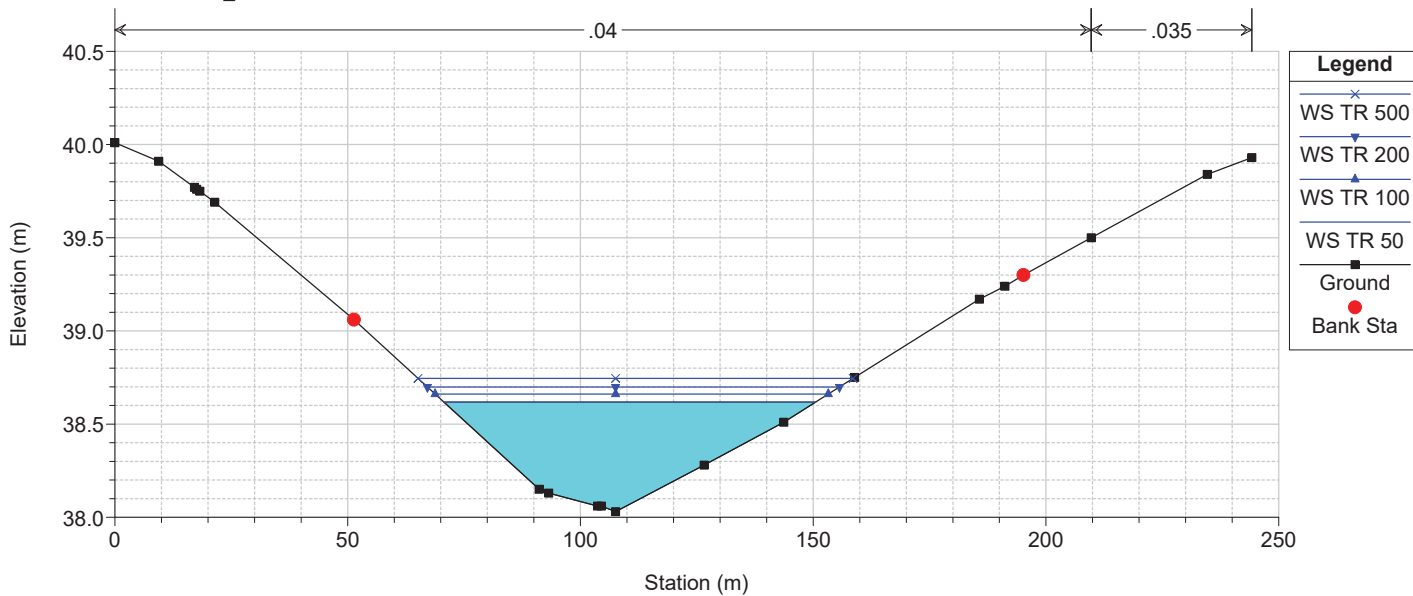
River = Fiume_74342 Reach = C16 RS = 1050 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

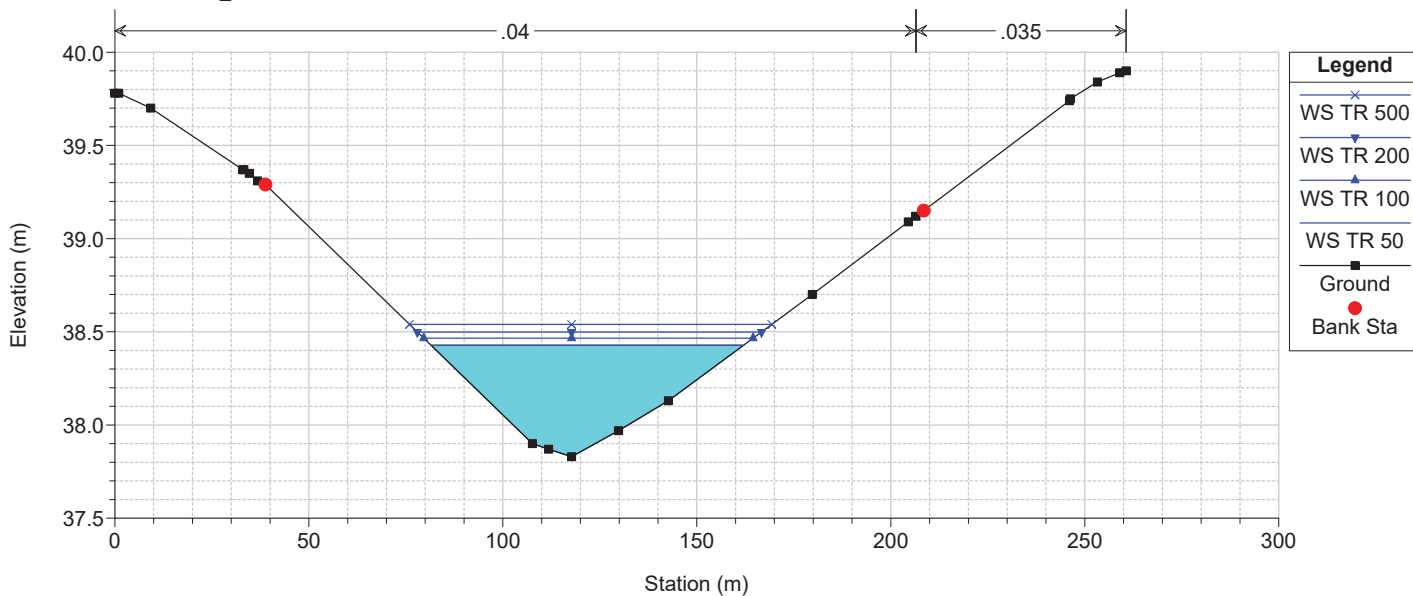
River = Fiume_74342 Reach = C16 RS = 1015 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

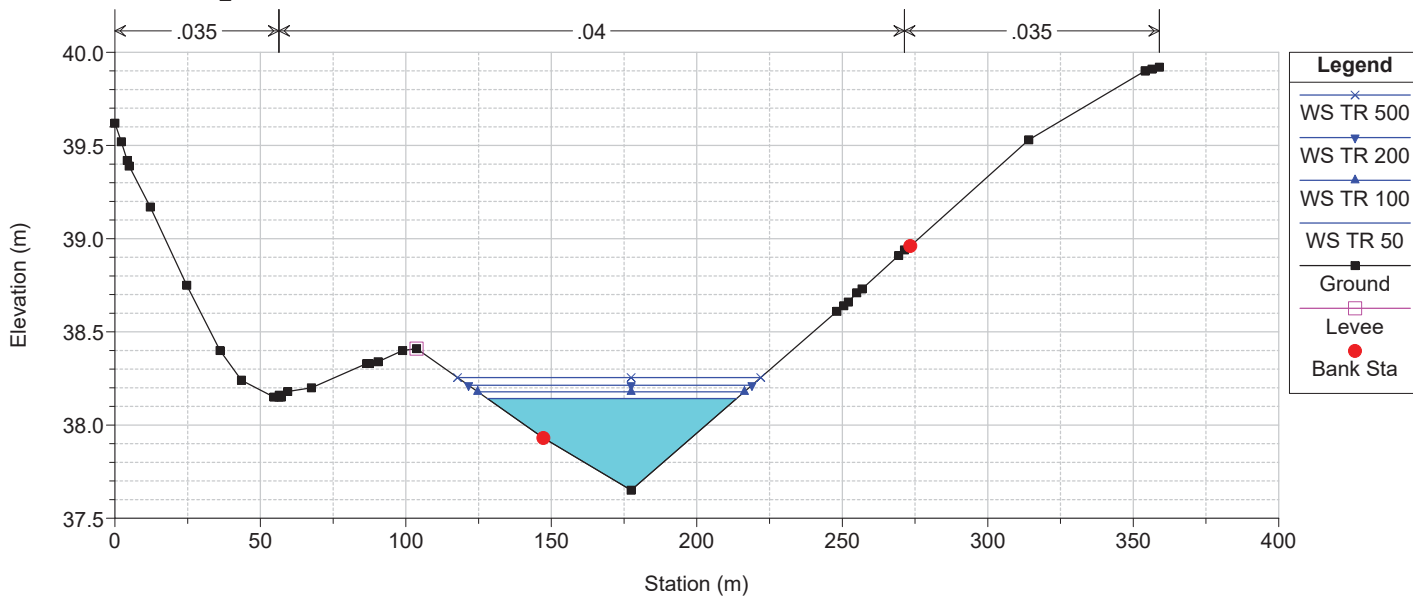
River = Fiume_74342 Reach = C16 RS = 979.9658 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

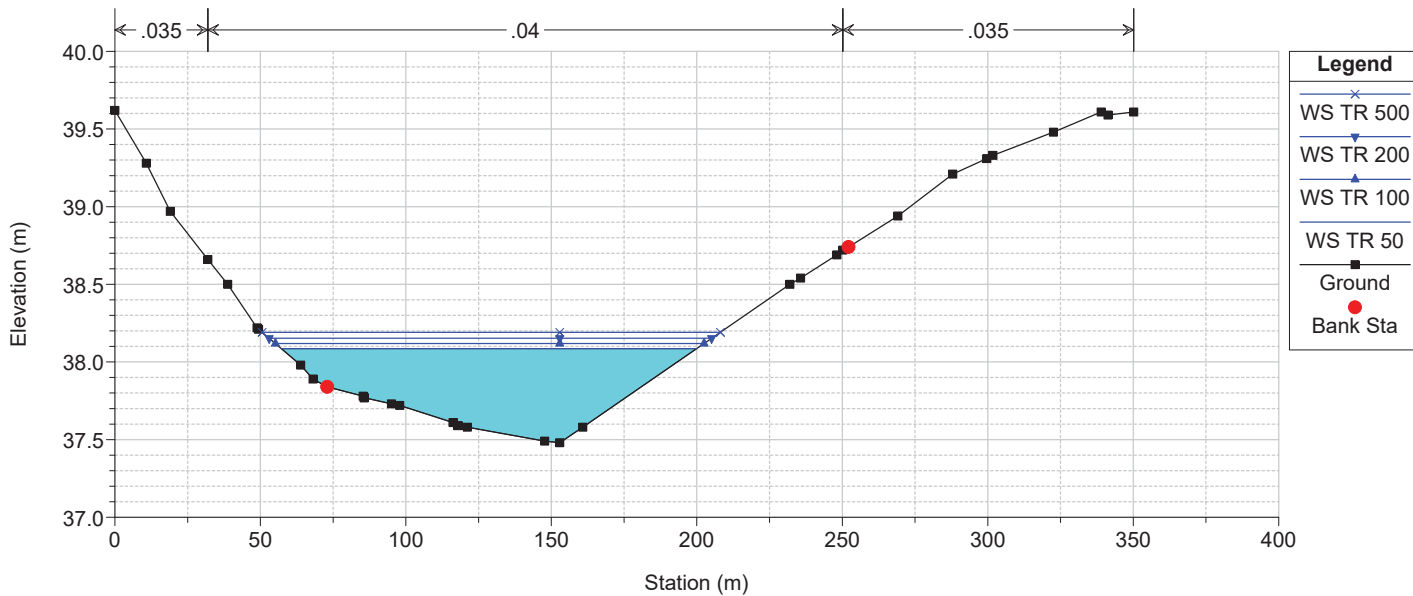
River = Fiume_74342 Reach = C16 RS = 944.9961 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

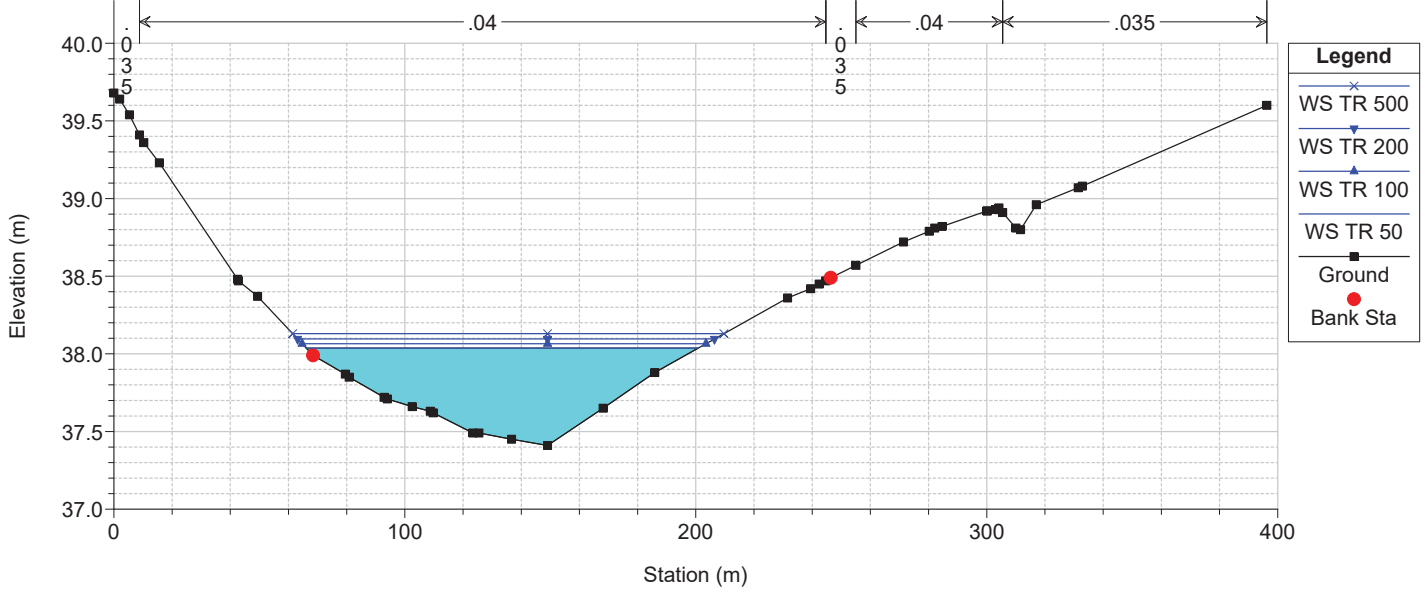
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Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

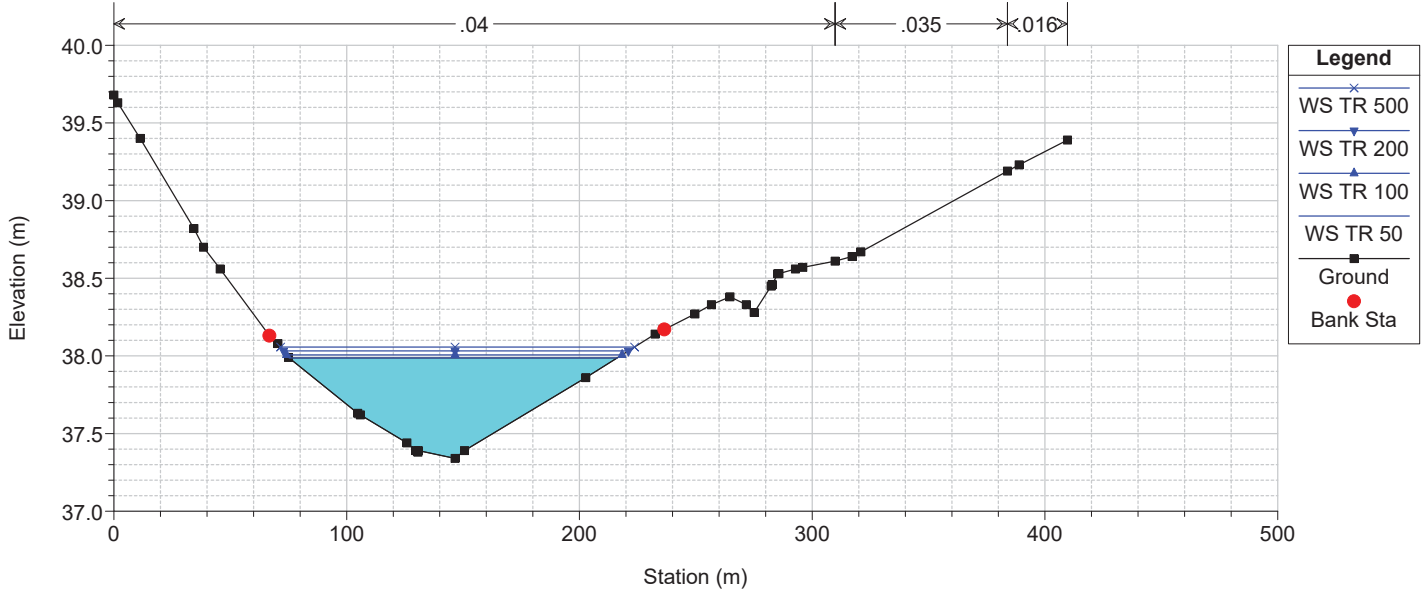
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Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

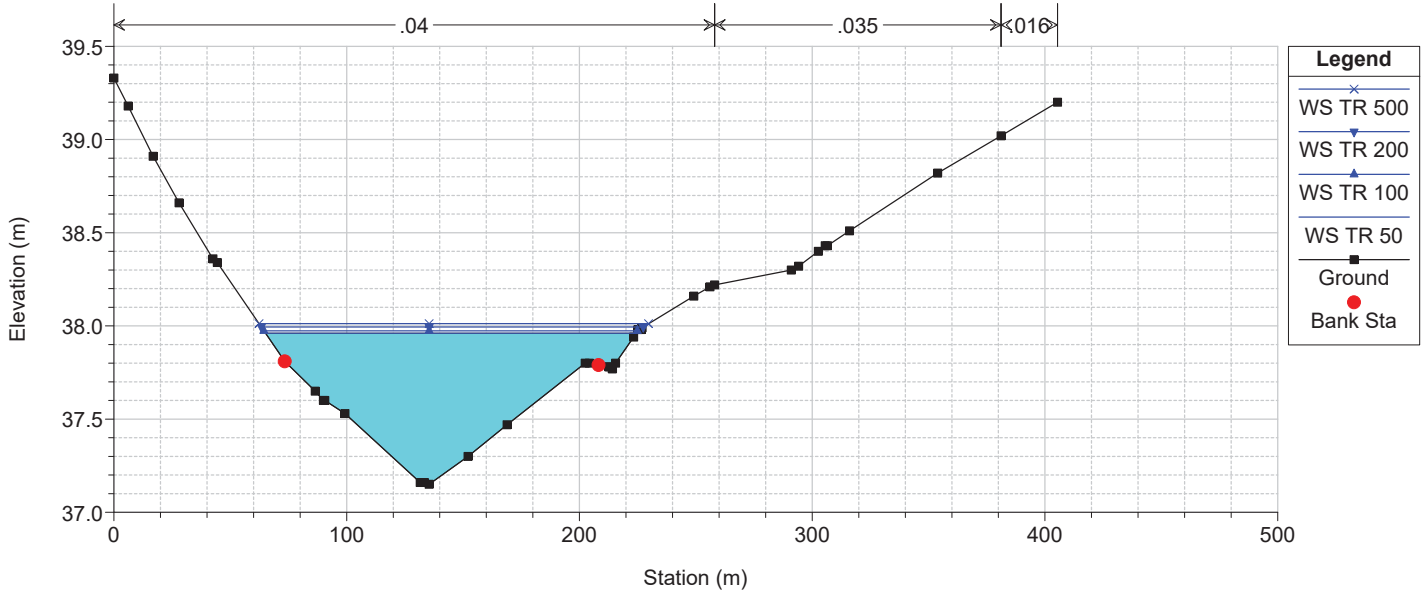
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Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

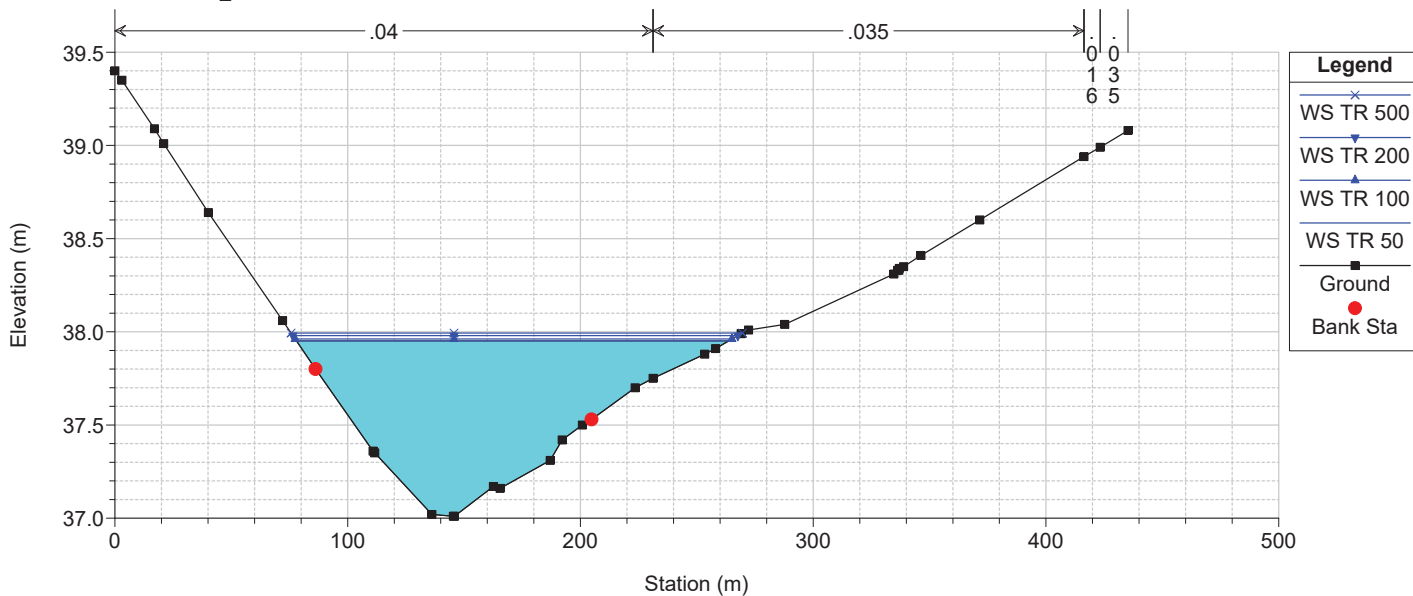
River = Fiume_74342 Reach = C16 RS = 804.6705 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

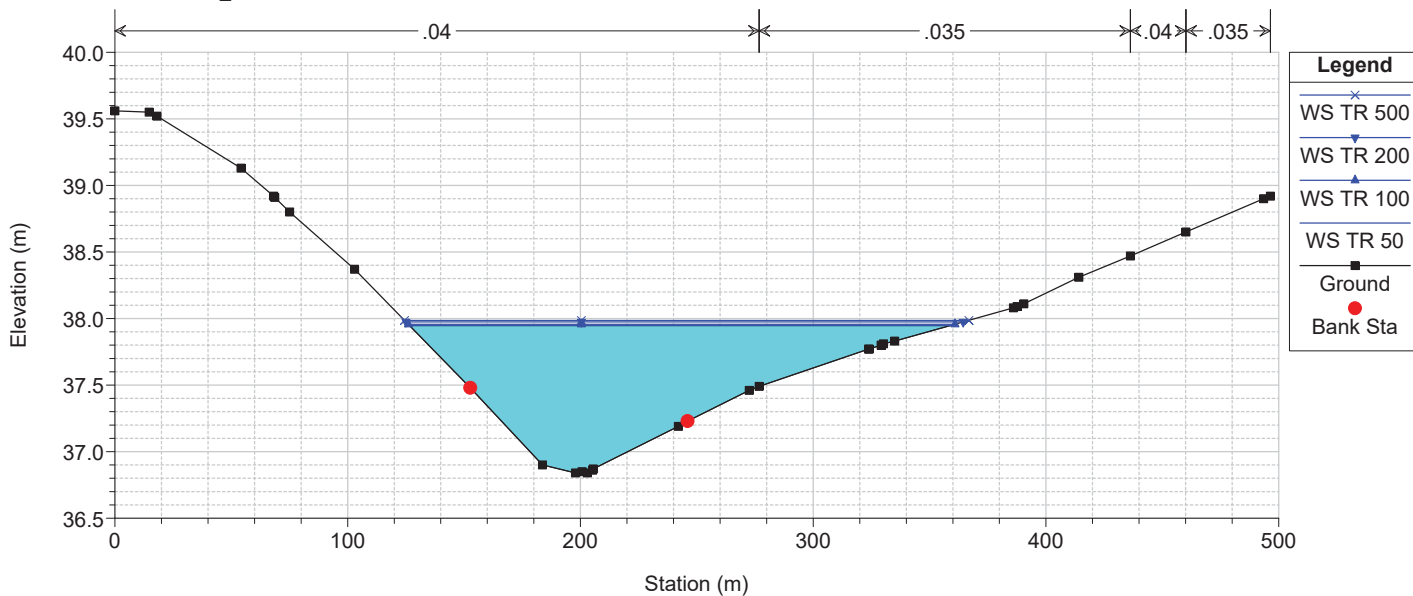
River = Fiume_74342 Reach = C16 RS = 769.9938 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

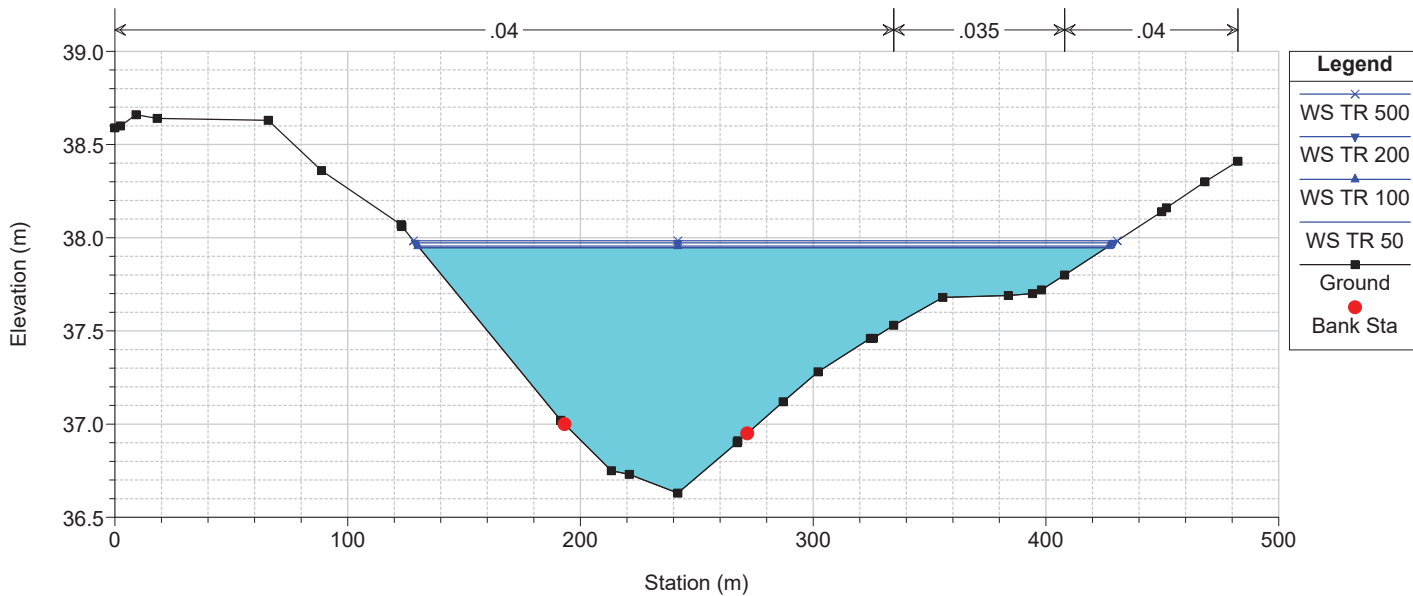
River = Fiume_74342 Reach = C16 RS = 734.9999 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

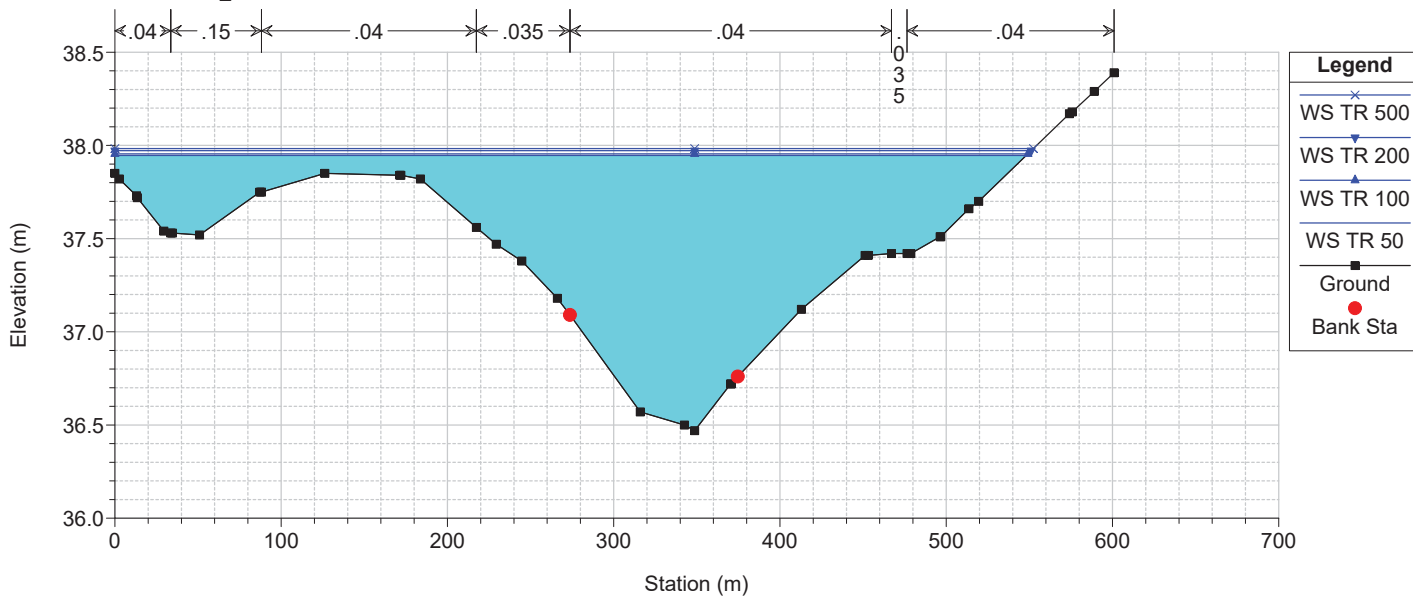
River = Fiume_74342 Reach = C16 RS = 698.9113 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

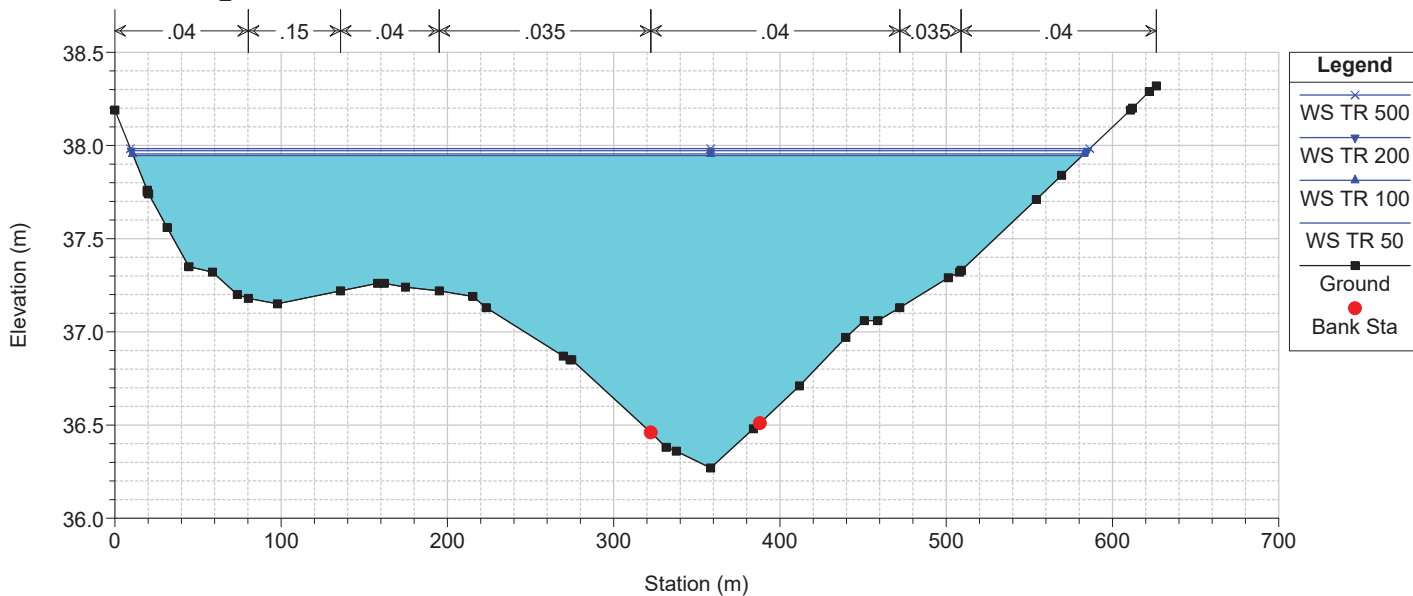
River = Fiume_74342 Reach = C16 RS = 665.0703 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

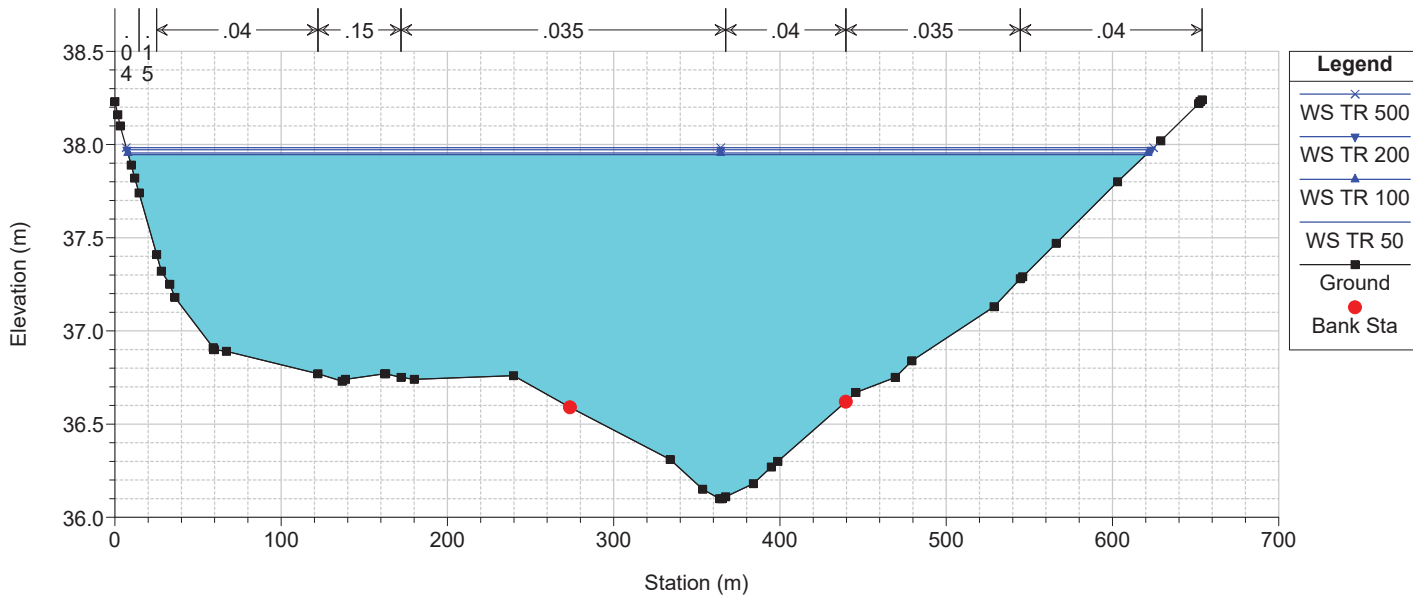
River = Fiume_74342 Reach = C16 RS = 629.8162 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

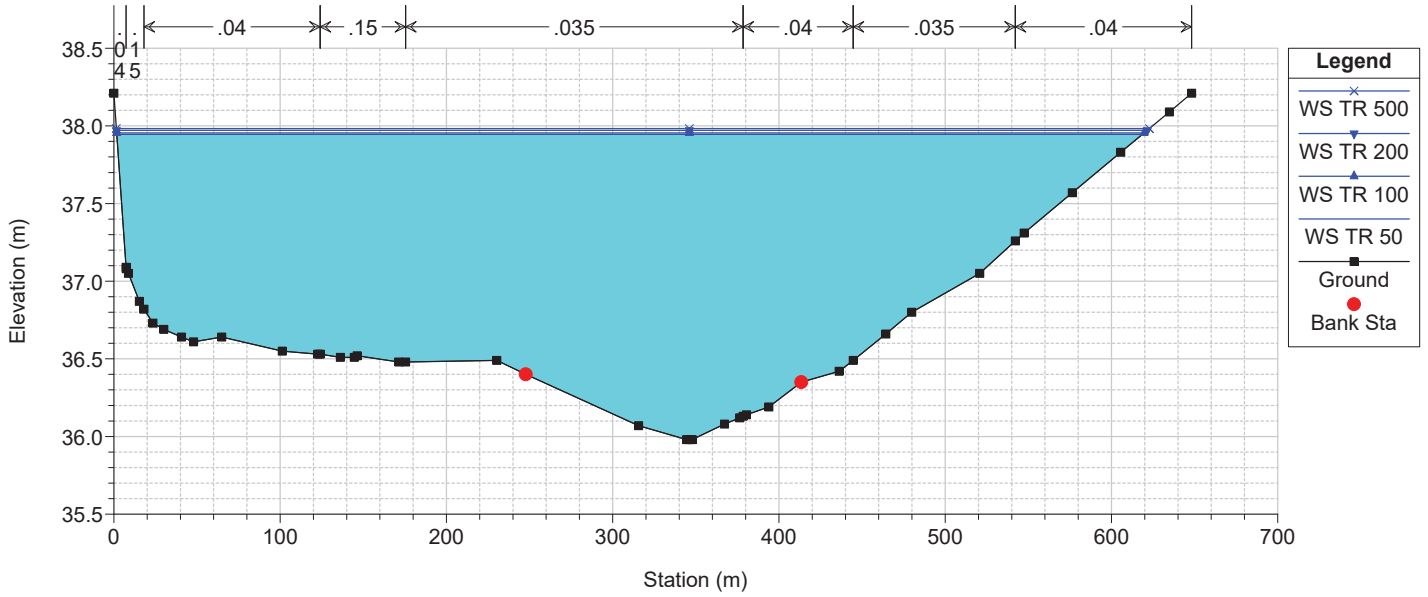
River = Fiume_74342 Reach = C16 RS = 595.1818 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

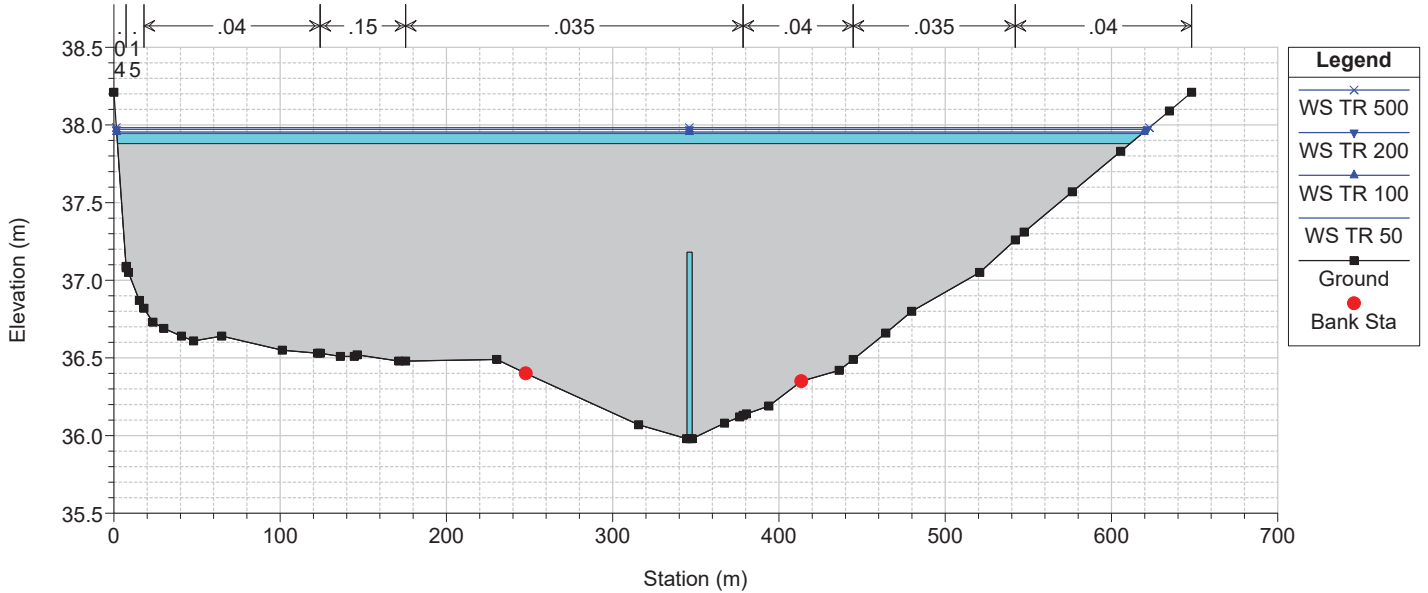
River = Fiume_74342 Reach = C16 RS = 567.9703 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

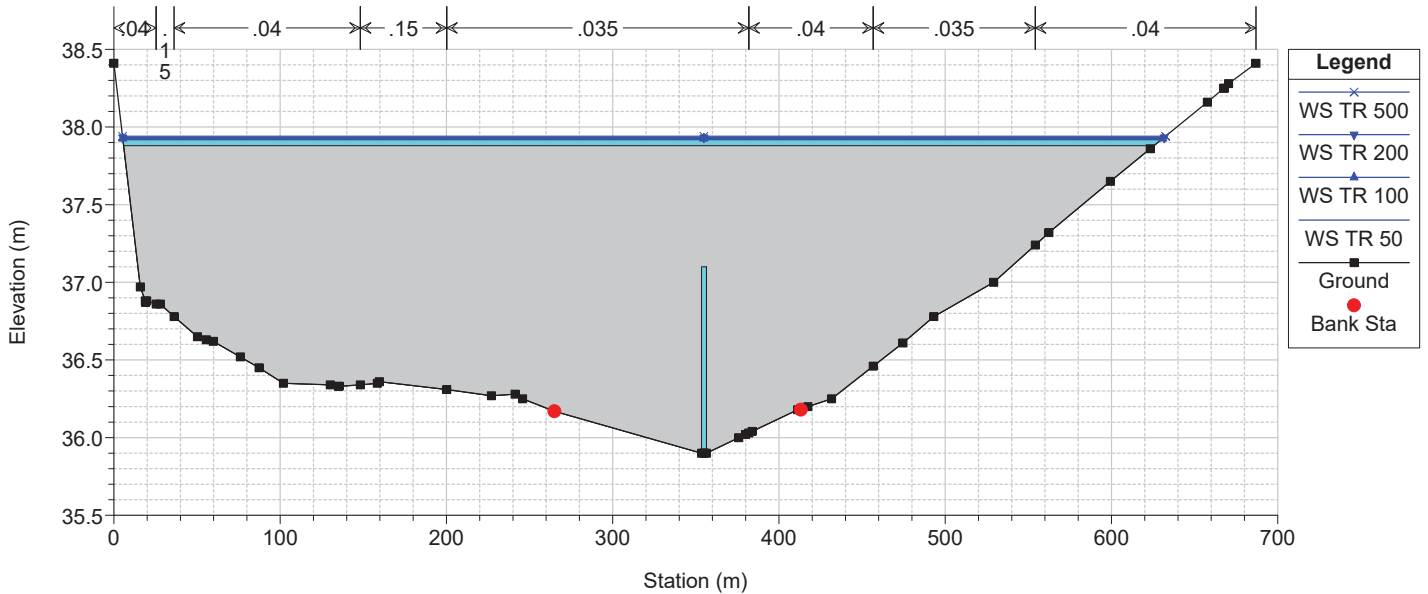
River = Fiume_74342 Reach = C16 RS = 559.4808 Culv COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

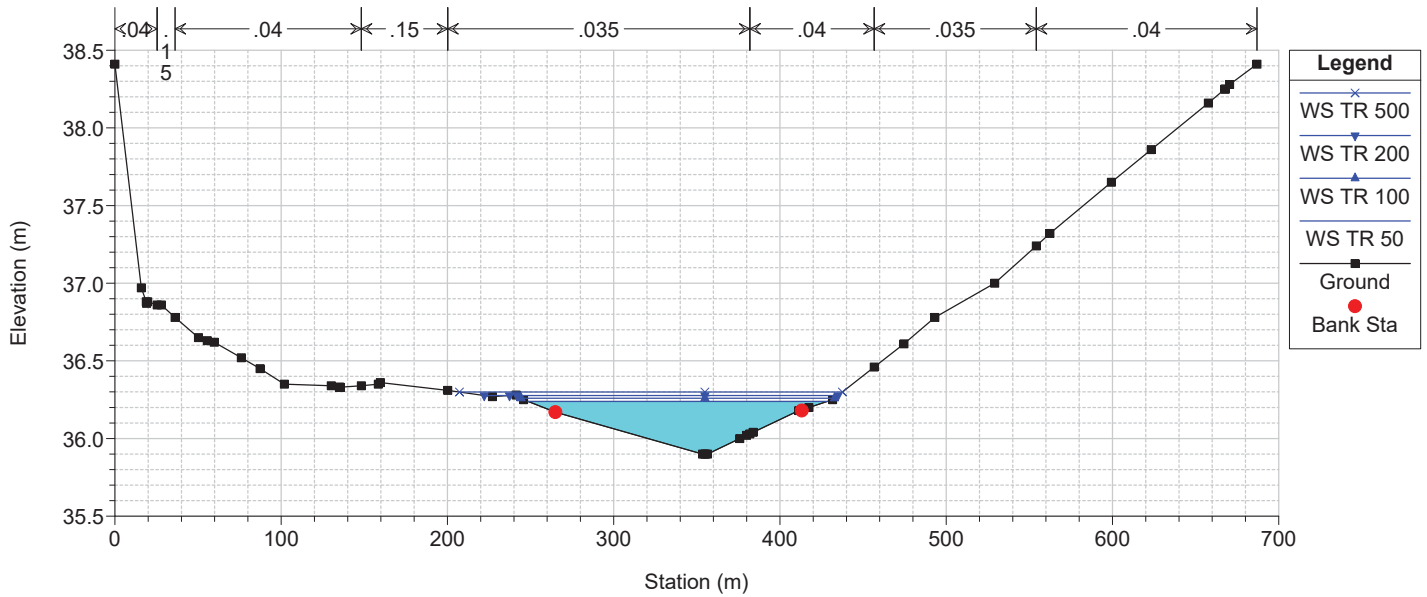
River = Fiume_74342 Reach = C16 RS = 559.4808 Culv COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

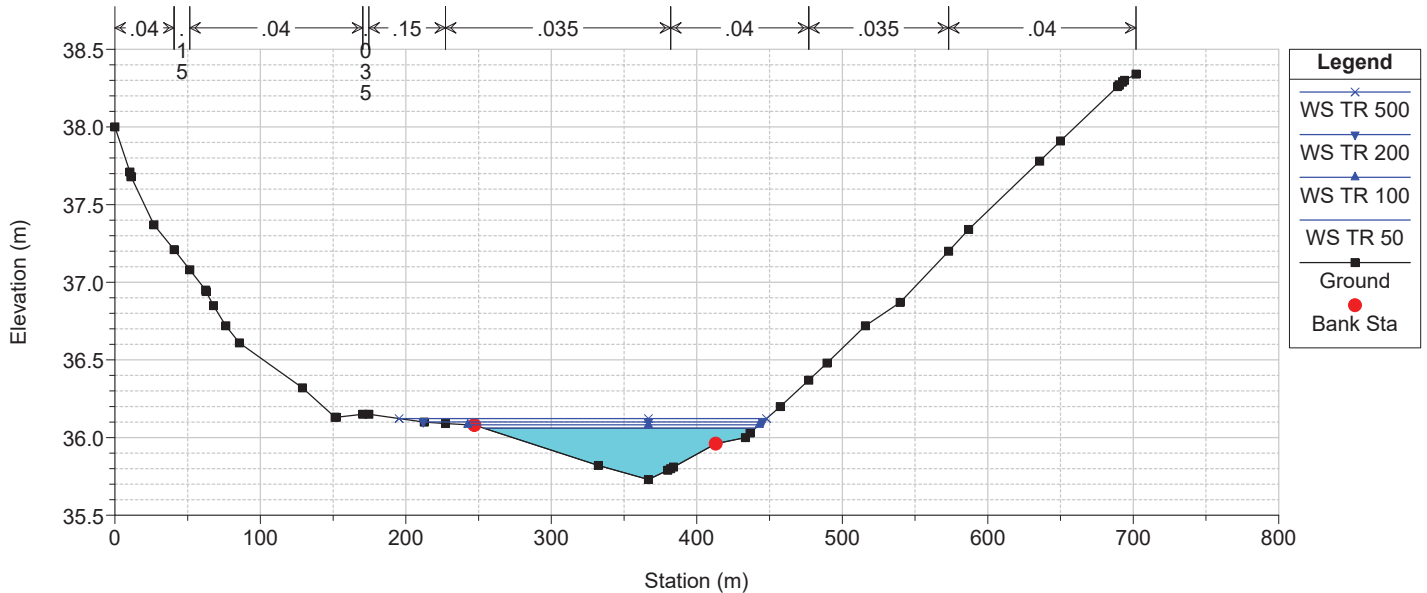
River = Fiume_74342 Reach = C16 RS = 552.433 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

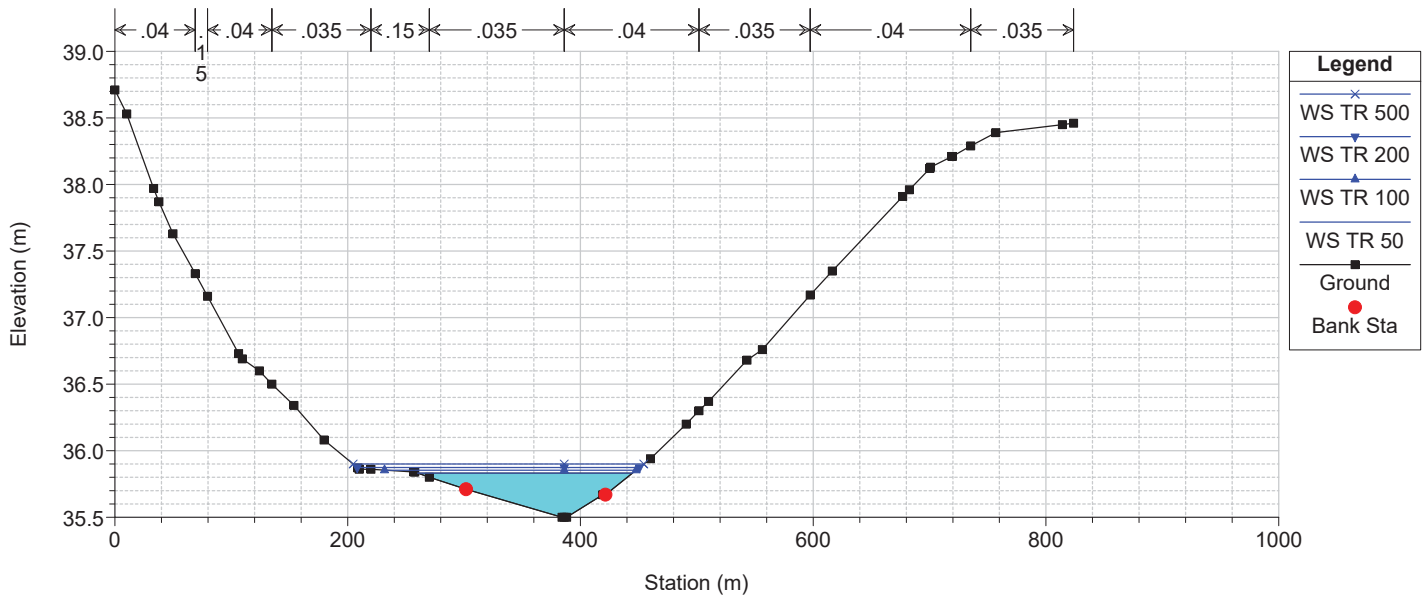
River = Fiume_74342 Reach = C16 RS = 525.7869 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

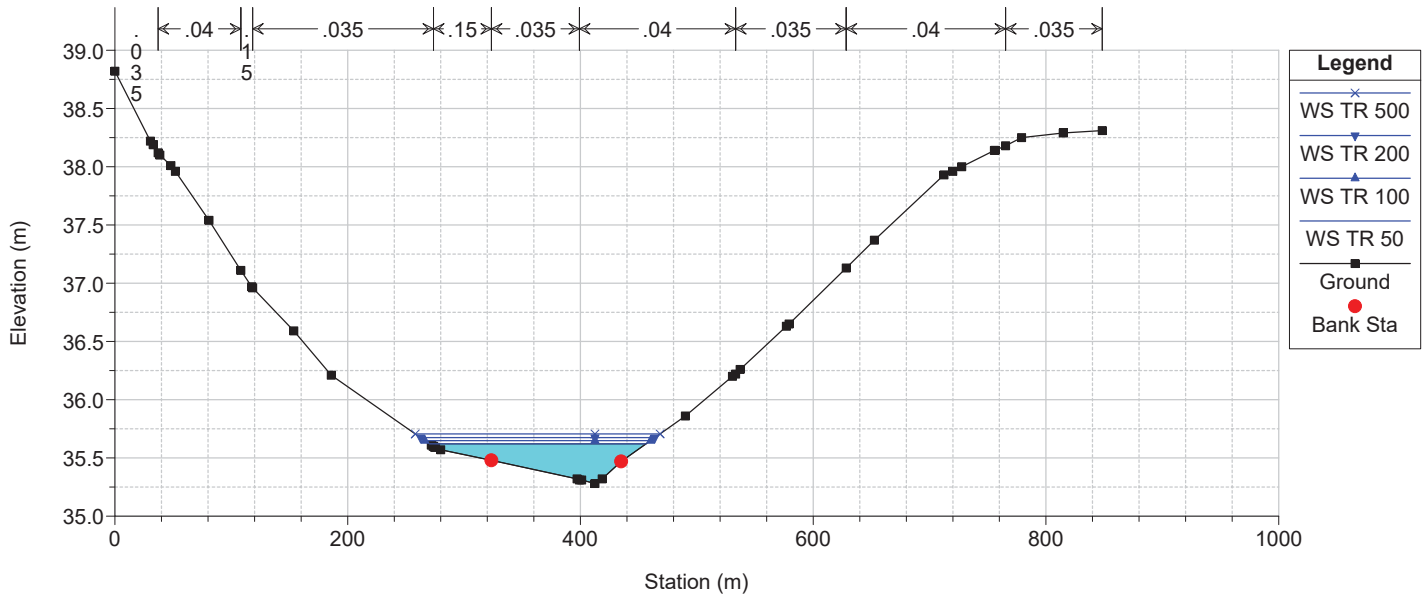
River = Fiume_74342 Reach = C16 RS = 489.8129 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

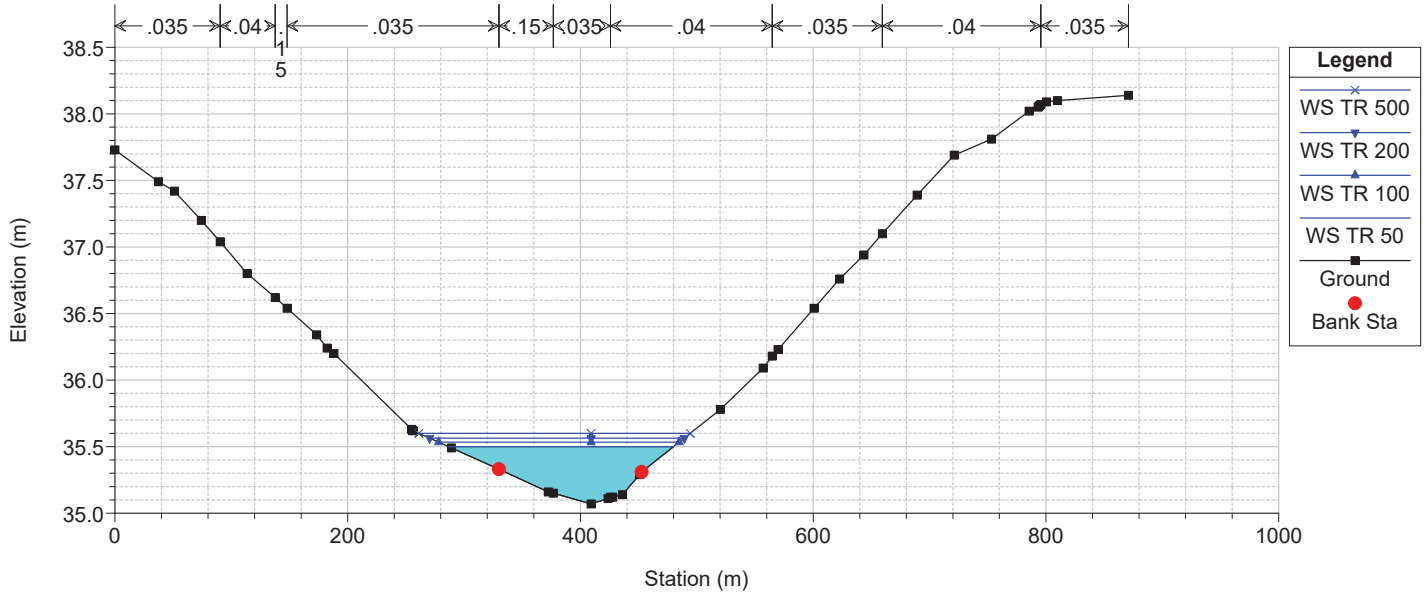
River = Fiume_74342 Reach = C16 RS = 455.007 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

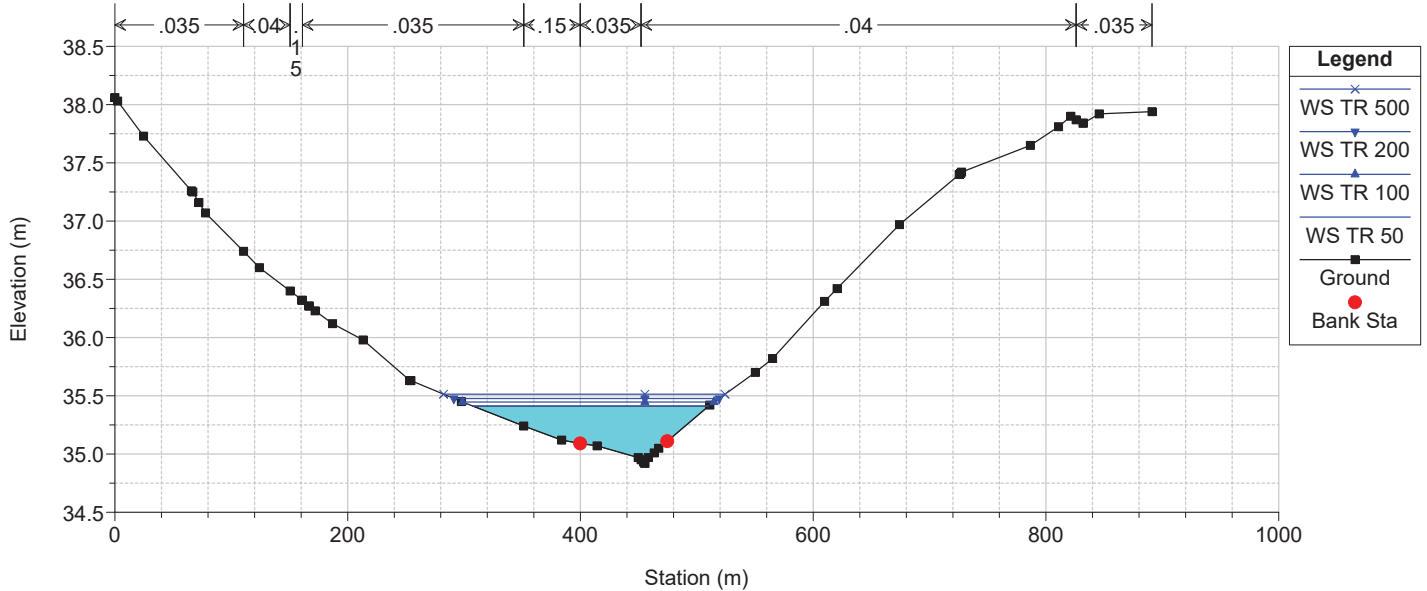
River = Fiume_74342 Reach = C16 RS = 420 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

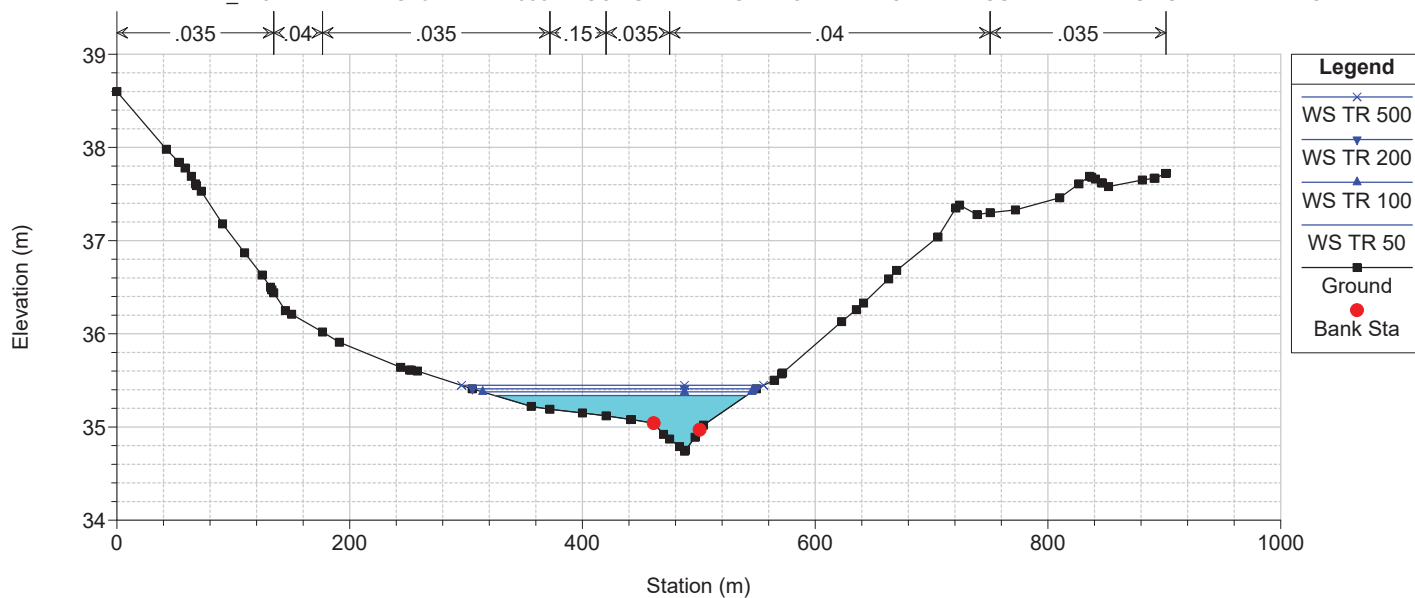
River = Fiume_74342 Reach = C16 RS = 385 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

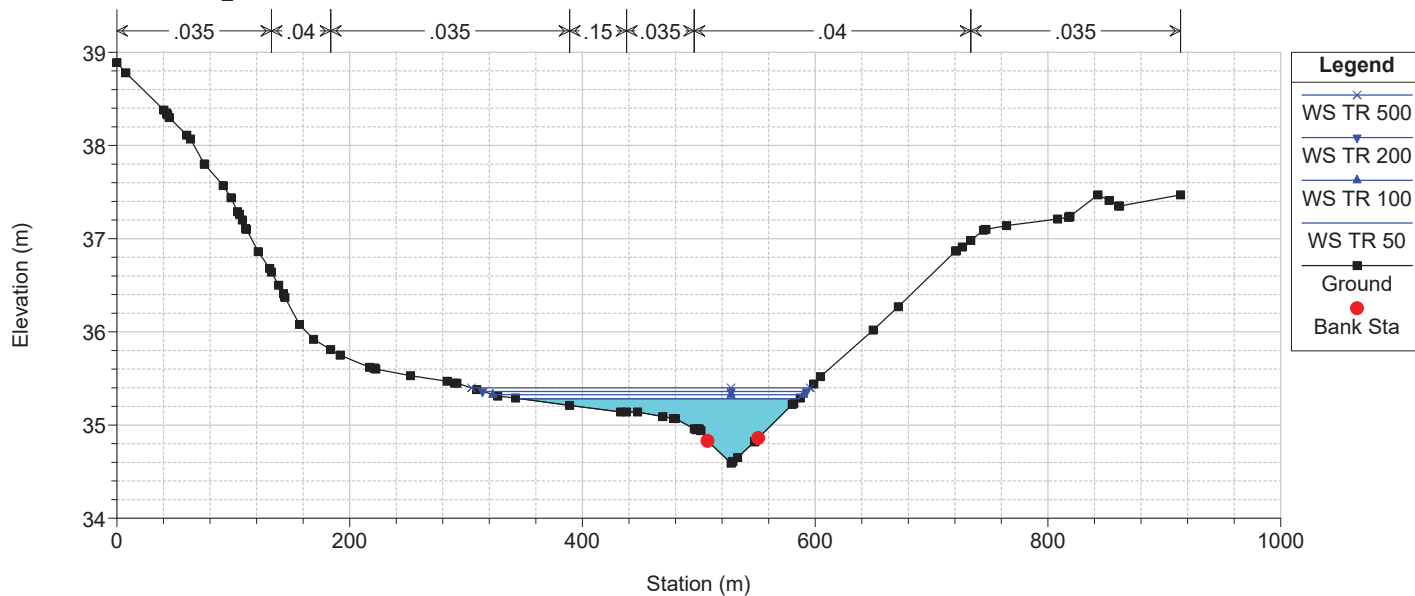
River = Fiume_74342 Reach = C16 RS = 350 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

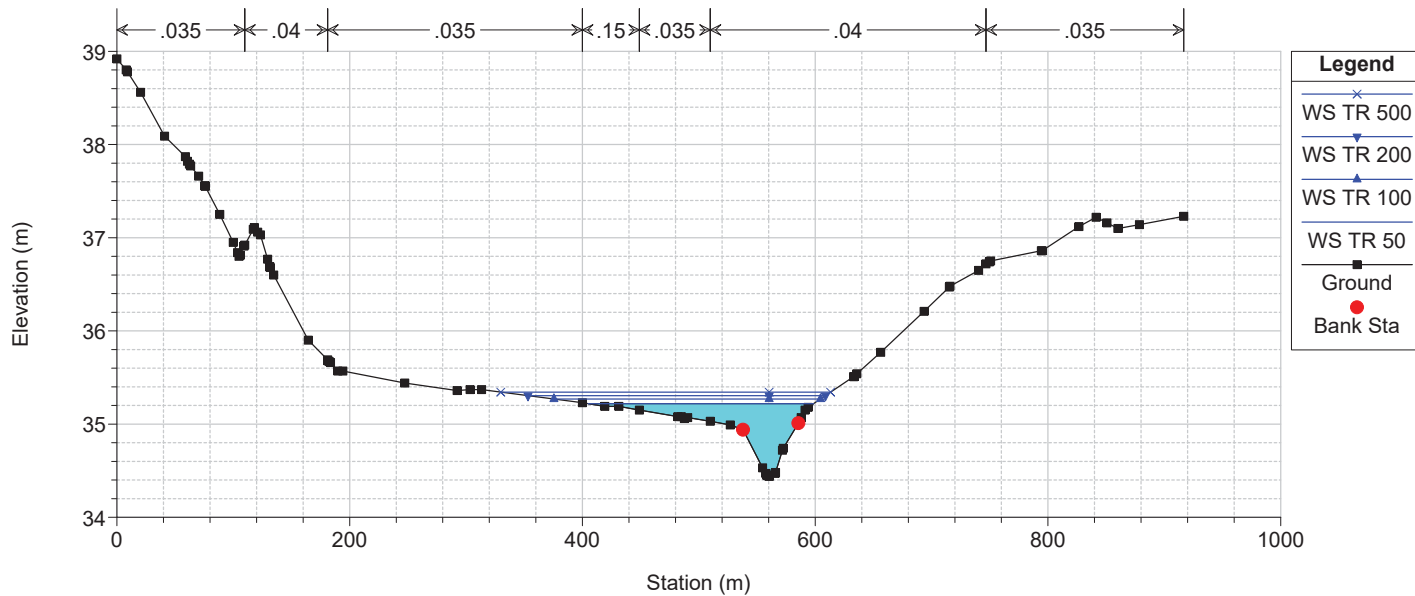
River = Fiume_74342 Reach = C16 RS = 314.7637 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

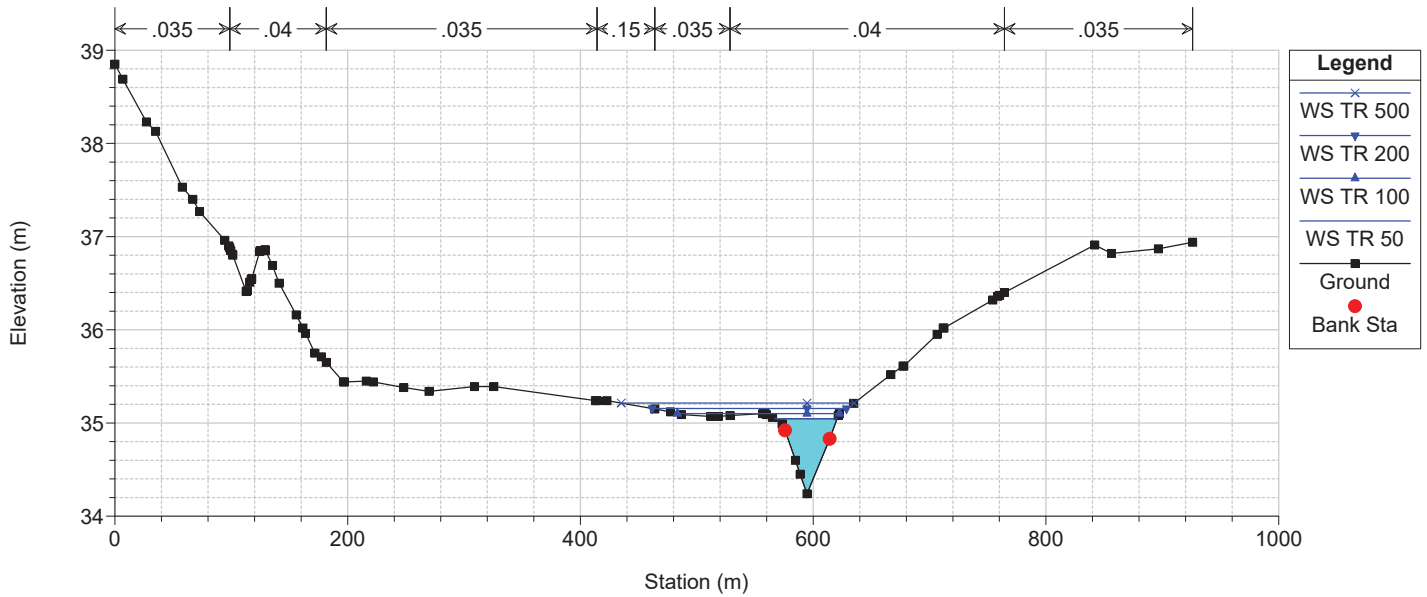
River = Fiume_74342 Reach = C16 RS = 279.6893 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

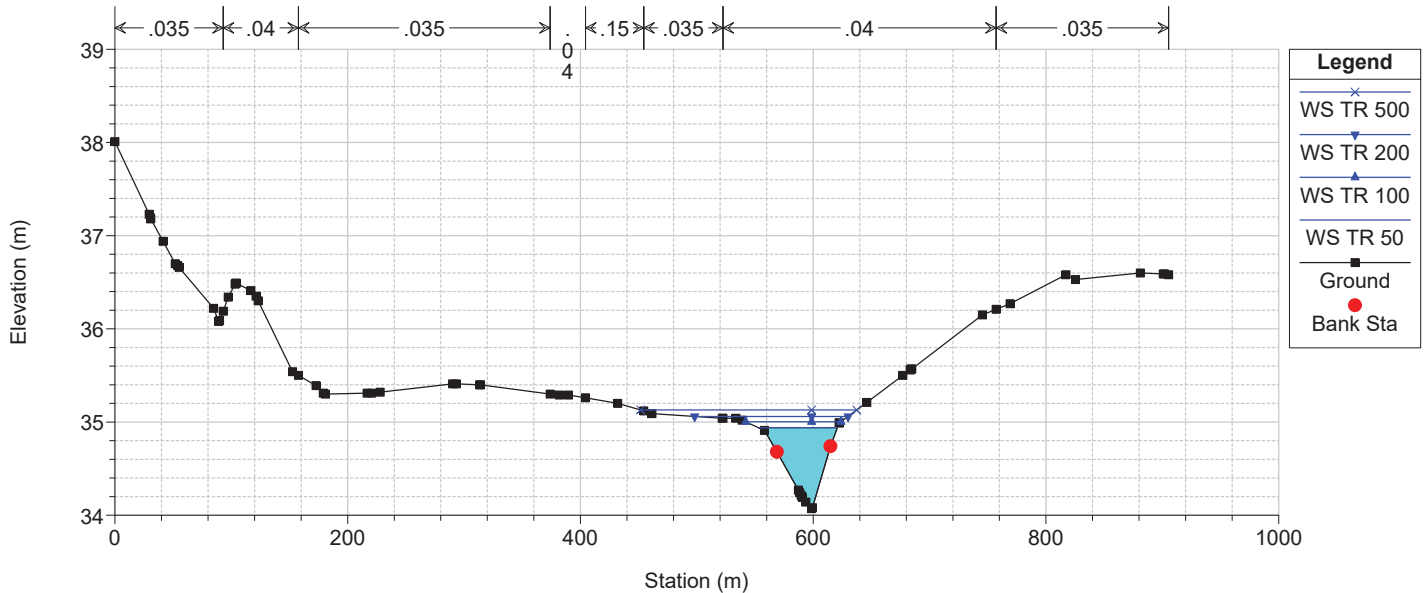
River = Fiume_74342 Reach = C16 RS = 244.9939 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

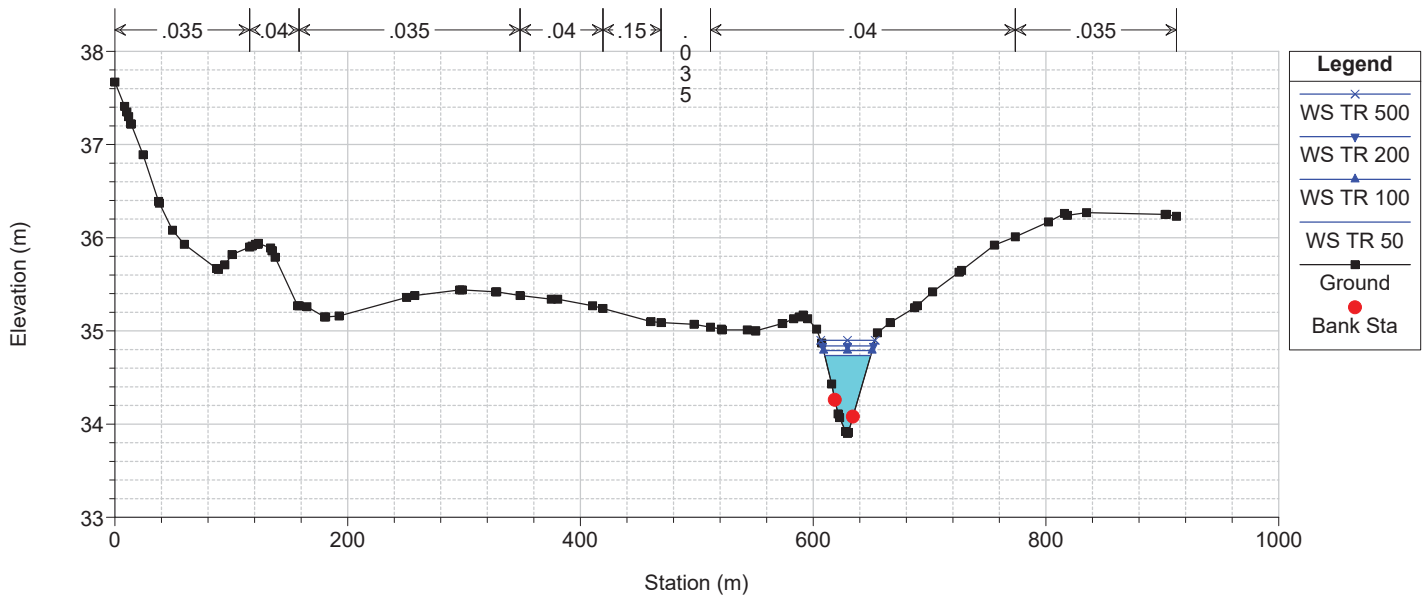
River = Fiume_74342 Reach = C16 RS = 210.0934 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

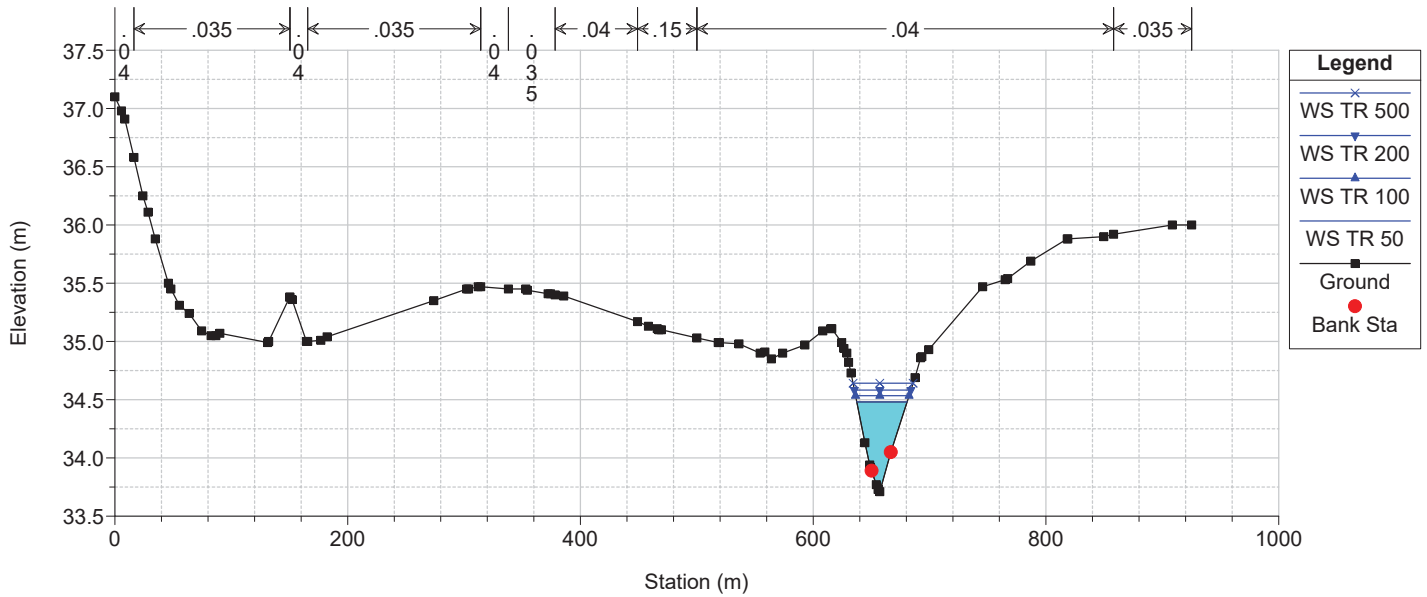
River = Fiume_74342 Reach = C16 RS = 175.3139 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

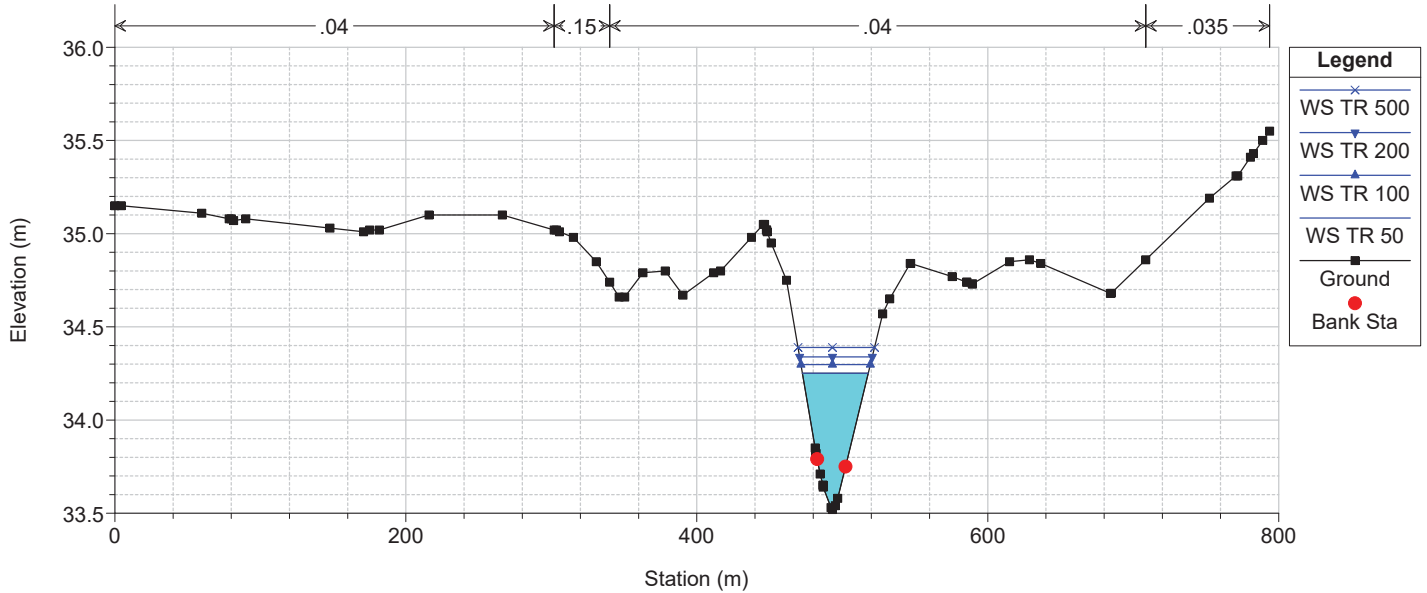
River = Fiume_74342 Reach = C16 RS = 139.4305 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

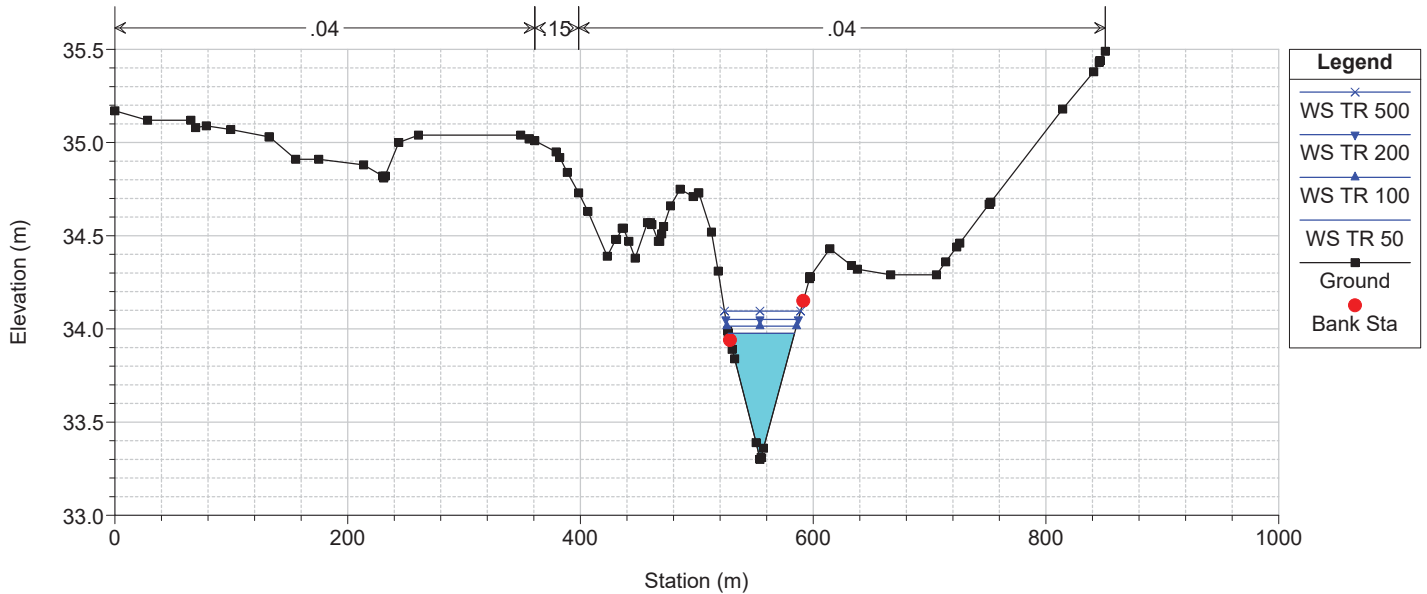
River = Fiume_74342 Reach = C16 RS = 106.5967 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

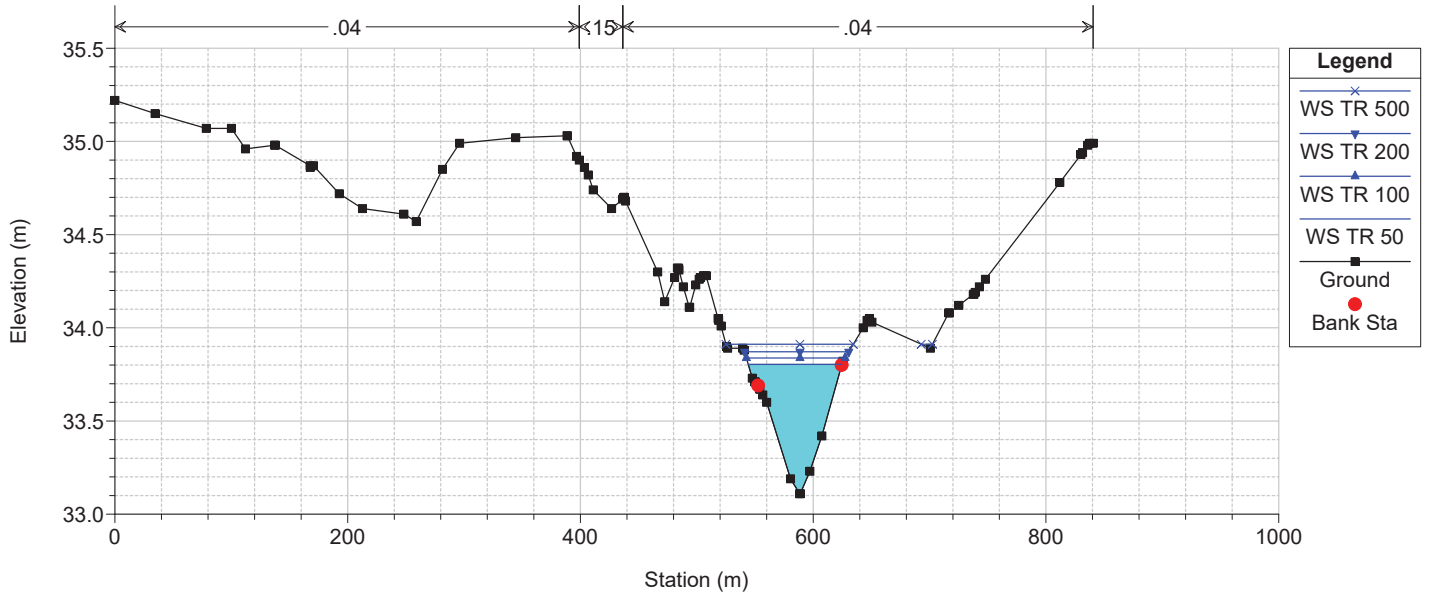
River = Fiume_74342 Reach = C16 RS = 70.53286 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

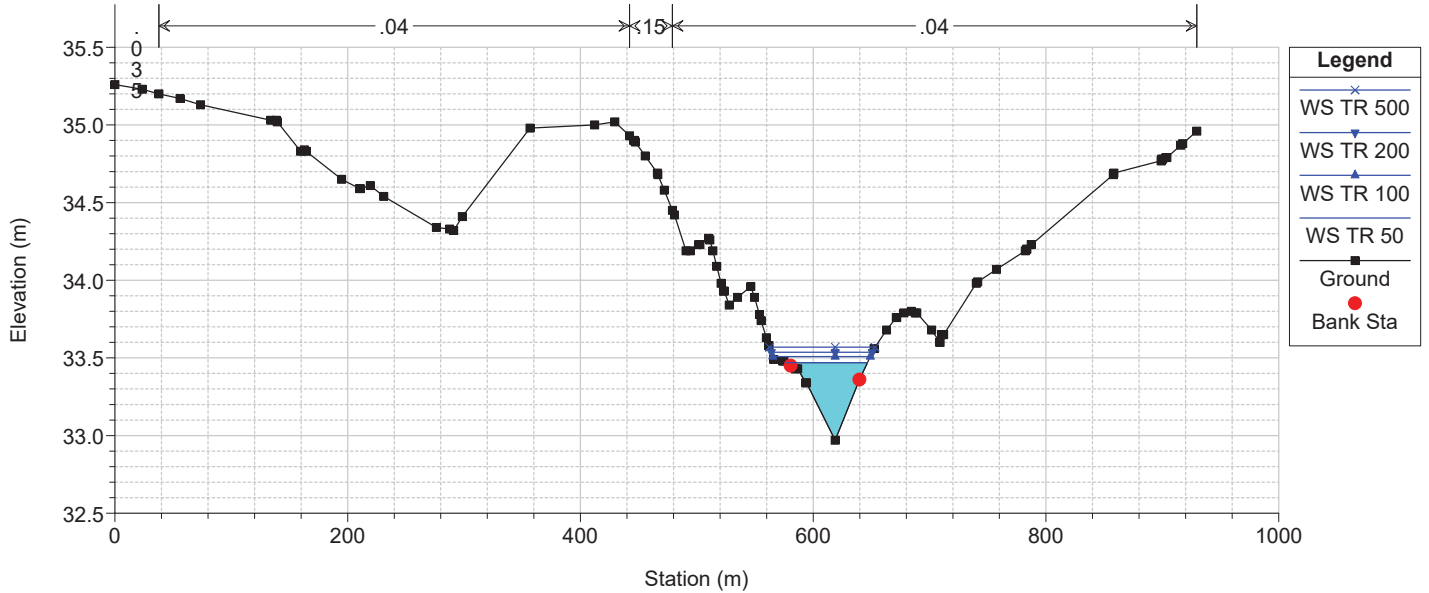
River = Fiume_74342 Reach = C16 RS = 34.92802 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_74342 Plan: Plan 01 4/28/2021

Geom: Fiume_74342 Flow: Fiume_74342

River = Fiume_74342 Reach = C16 RS = 3.858742 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



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
C16	1062.913	TR 50	23.56	38.29	38.90	38.73	38.94	0.005717	0.89	26.50	82.18	0.50
C16	1062.913	TR 100	27.84	38.29	38.94	38.77	38.99	0.005852	0.90	30.87	95.35	0.51
C16	1062.913	TR 200	32.15	38.29	38.98	38.80	39.03	0.005762	0.92	34.81	102.51	0.51
C16	1062.913	TR 500	37.89	38.29	39.03	38.84	39.08	0.005640	0.96	39.49	108.11	0.51
C16	1050	TR 50	23.56	38.22	38.82		38.86	0.006019	0.92	25.71	79.22	0.51
C16	1050	TR 100	27.84	38.22	38.86		38.91	0.006140	0.94	29.55	88.58	0.52
C16	1050	TR 200	32.15	38.22	38.90		38.95	0.006182	0.97	33.19	95.89	0.53
C16	1050	TR 500	37.89	38.22	38.95		39.00	0.006037	1.00	37.74	101.54	0.53
C16	1015	TR 50	23.56	38.03	38.62		38.66	0.005515	0.89	26.49	79.89	0.49
C16	1015	TR 100	27.84	38.03	38.66		38.70	0.005488	0.93	29.98	84.45	0.50
C16	1015	TR 200	32.15	38.03	38.70		38.75	0.005510	0.97	33.27	88.51	0.50
C16	1015	TR 500	37.89	38.03	38.74		38.80	0.005541	1.01	37.45	93.44	0.51
C16	979.9658	TR 50	23.56	37.83	38.43		38.47	0.005389	0.88	26.77	80.64	0.49
C16	979.9658	TR 100	27.84	37.83	38.47		38.51	0.005611	0.93	29.84	84.89	0.50
C16	979.9658	TR 200	32.15	37.83	38.50		38.55	0.005828	0.98	32.74	88.72	0.52
C16	979.9658	TR 500	37.89	37.83	38.54		38.59	0.006067	1.04	36.44	93.36	0.53
C16	944.9961	TR 50	23.56	37.65	38.14	38.08	38.21	0.010745	1.15	21.57	85.68	0.67
C16	944.9961	TR 100	27.84	37.65	38.18	38.11	38.25	0.010343	1.19	24.80	91.67	0.67
C16	944.9961	TR 200	32.15	37.65	38.21	38.14	38.28	0.009898	1.21	28.10	97.42	0.66
C16	944.9961	TR 500	37.89	37.65	38.25	38.17	38.33	0.009526	1.25	32.27	104.23	0.66
C16	910.0848	TR 50	23.56	37.48	38.09		38.10	0.001193	0.46	51.93	142.71	0.24
C16	910.0848	TR 100	27.84	37.48	38.12		38.13	0.001293	0.50	56.73	147.35	0.25
C16	910.0848	TR 200	32.15	37.48	38.15		38.17	0.001353	0.53	61.77	152.07	0.26
C16	910.0848	TR 500	37.89	37.48	38.19		38.21	0.001443	0.58	67.78	157.51	0.27
C16	875	TR 50	23.56	37.41	38.04		38.05	0.001490	0.49	48.06	134.80	0.26
C16	875	TR 100	27.84	37.41	38.07		38.08	0.001666	0.54	51.86	138.83	0.28
C16	875	TR 200	32.15	37.41	38.10		38.11	0.001764	0.57	56.15	143.25	0.29
C16	875	TR 500	37.89	37.41	38.13		38.15	0.001917	0.62	61.15	148.22	0.30
C16	840	TR 50	23.56	37.34	37.99		38.00	0.001447	0.47	49.66	140.94	0.26
C16	840	TR 100	27.84	37.34	38.01		38.02	0.001730	0.53	52.50	144.17	0.28
C16	840	TR 200	32.15	37.34	38.03		38.05	0.001907	0.57	56.20	148.14	0.30
C16	840	TR 500	37.89	37.34	38.06		38.08	0.002201	0.63	60.04	152.14	0.32
C16	804.6705	TR 50	23.56	37.15	37.96		37.97	0.000550	0.36	67.23	159.08	0.17
C16	804.6705	TR 100	27.84	37.15	37.97		37.98	0.000699	0.41	69.36	160.44	0.19
C16	804.6705	TR 200	32.15	37.15	37.99		38.00	0.000809	0.46	72.72	164.10	0.20
C16	804.6705	TR 500	37.89	37.15	38.01		38.03	0.001000	0.52	75.61	167.35	0.23
C16	769.9938	TR 50	23.56	37.01	37.95		37.95	0.000215	0.28	90.58	185.68	0.11
C16	769.9938	TR 100	27.84	37.01	37.96		37.97	0.000283	0.32	92.54	187.69	0.13
C16	769.9938	TR 200	32.15	37.01	37.98		37.99	0.000340	0.36	96.03	191.23	0.14
C16	769.9938	TR 500	37.89	37.01	37.99		38.00	0.000439	0.41	98.63	193.89	0.16
C16	734.9999	TR 50	23.56	36.84	37.95		37.95	0.000089	0.22	125.71	232.44	0.07
C16	734.9999	TR 100	27.84	36.84	37.96		37.96	0.000118	0.25	127.90	234.87	0.09
C16	734.9999	TR 200	32.15	36.84	37.97		37.98	0.000146	0.29	132.03	239.40	0.10
C16	734.9999	TR 500	37.89	36.84	37.99		37.99	0.000191	0.33	134.88	242.48	0.11
C16	698.9113	TR 50	23.56	36.63	37.95		37.95	0.000033	0.16	185.49	295.23	0.05
C16	698.9113	TR 100	27.84	36.63	37.96		37.96	0.000045	0.19	188.16	296.93	0.06
C16	698.9113	TR 200	32.15	36.63	37.97		37.97	0.000056	0.21	193.26	300.14	0.06
C16	698.9113	TR 500	37.89	36.63	37.98		37.99	0.000074	0.24	196.65	302.27	0.07
C16	665.0703	TR 50	23.56	36.47	37.95		37.95	0.000013	0.10	308.56	548.12	0.03
C16	665.0703	TR 100	27.84	36.47	37.96		37.96	0.000017	0.12	313.46	549.16	0.03
C16	665.0703	TR 200	32.15	36.47	37.97		37.97	0.000021	0.14	322.83	551.14	0.04
C16	665.0703	TR 500	37.89	36.47	37.98		37.98	0.000028	0.16	328.98	552.43	0.04
C16	629.8162	TR 50	23.56	36.27	37.95		37.95	0.000004	0.07	495.11	570.91	0.02
C16	629.8162	TR 100	27.84	36.27	37.96		37.96	0.000005	0.08	500.21	572.37	0.02
C16	629.8162	TR 200	32.15	36.27	37.97		37.97	0.000006	0.09	509.97	575.15	0.02
C16	629.8162	TR 500	37.89	36.27	37.98		37.98	0.000008	0.10	516.38	576.97	0.03
C16	595.1818	TR 50	23.56	36.10	37.95		37.95	0.000001	0.04	683.92	612.26	0.01
C16	595.1818	TR 100	27.84	36.10	37.96		37.96	0.000002	0.05	689.38	613.60	0.01
C16	595.1818	TR 200	32.15	36.10	37.97		37.97	0.000002	0.06	699.84	616.15	0.01
C16	595.1818	TR 500	37.89	36.10	37.98		37.98	0.000003	0.07	706.69	617.82	0.02
C16	567.9703	TR 50	23.56	35.98	37.95	36.26	37.95	0.000001	0.04	809.98	616.96	0.01
C16	567.9703	TR 100	27.84	35.98	37.96	36.28	37.96	0.000001	0.04	815.48	618.02	0.01
C16	567.9703	TR 200	32.15	35.98	37.97	36.30	37.97	0.000001	0.05	826.00	620.04	0.01
C16	567.9703	TR 500	37.89	35.98	37.98	36.32	37.98	0.000002	0.06	832.89	621.37	0.01
C16	559.4808		Culvert									
C16	552.433	TR 50	23.56	35.90	36.24		36.27	0.006121	0.78	31.03	179.96	0.55

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
C16	552.433	TR 100	27.84	35.90	36.26		36.29	0.006126	0.83	34.89	188.44	0.56
C16	552.433	TR 200	32.15	35.90	36.28		36.32	0.006277	0.88	38.33	208.40	0.57
C16	552.433	TR 500	37.89	35.90	36.30		36.34	0.006408	0.94	43.27	230.47	0.58
C16	525.7869	TR 50	23.56	35.73	36.06		36.09	0.007418	0.78	31.24	186.66	0.58
C16	525.7869	TR 100	27.84	35.73	36.08		36.12	0.007347	0.81	35.44	200.26	0.58
C16	525.7869	TR 200	32.15	35.73	36.10		36.14	0.007166	0.85	39.49	233.37	0.58
C16	525.7869	TR 500	37.89	35.73	36.12		36.16	0.007083	0.90	44.78	252.61	0.59
C16	489.8129	TR 50	23.56	35.50	35.83		35.86	0.005617	0.78	32.55	184.61	0.52
C16	489.8129	TR 100	27.84	35.50	35.85		35.89	0.005636	0.83	36.80	216.13	0.52
C16	489.8129	TR 200	32.15	35.50	35.87		35.91	0.005607	0.87	41.61	242.50	0.53
C16	489.8129	TR 500	37.89	35.50	35.90		35.94	0.005523	0.92	47.91	249.70	0.53
C16	455.007	TR 50	23.56	35.28	35.62		35.66	0.006236	0.84	33.02	186.12	0.54
C16	455.007	TR 100	27.84	35.28	35.65		35.69	0.005890	0.87	38.29	194.01	0.54
C16	455.007	TR 200	32.15	35.28	35.67		35.71	0.005625	0.91	43.41	201.38	0.53
C16	455.007	TR 500	37.89	35.28	35.71		35.75	0.005357	0.95	49.95	210.43	0.53
C16	420	TR 50	23.56	35.07	35.50		35.51	0.002594	0.55	46.33	193.21	0.30
C16	420	TR 100	27.84	35.07	35.53		35.55	0.002550	0.57	53.05	206.59	0.30
C16	420	TR 200	32.15	35.07	35.56		35.58	0.002519	0.59	59.53	218.71	0.30
C16	420	TR 500	37.89	35.07	35.60		35.62	0.002490	0.62	67.79	233.25	0.30
C16	385	TR 50	23.56	34.92	35.41		35.43	0.002132	0.67	50.37	202.74	0.34
C16	385	TR 100	27.84	34.92	35.45		35.47	0.002096	0.70	57.61	216.21	0.35
C16	385	TR 200	32.15	34.92	35.48		35.50	0.002085	0.74	64.41	227.92	0.35
C16	385	TR 500	37.89	34.92	35.51		35.54	0.002084	0.77	72.95	241.76	0.35
C16	350	TR 50	23.56	34.74	35.34		35.36	0.002172	0.73	48.62	216.15	0.34
C16	350	TR 100	27.84	34.74	35.38		35.39	0.002010	0.74	57.39	231.17	0.33
C16	350	TR 200	32.15	34.74	35.41		35.43	0.001941	0.76	65.21	243.78	0.33
C16	350	TR 500	37.89	34.74	35.45		35.47	0.001914	0.79	74.67	259.45	0.33
C16	314.7637	TR 50	23.56	34.59	35.28		35.30	0.001257	0.61	54.68	239.92	0.26
C16	314.7637	TR 100	27.84	34.59	35.33		35.34	0.001174	0.62	65.75	266.96	0.25
C16	314.7637	TR 200	32.15	34.59	35.36		35.37	0.001150	0.63	75.14	278.47	0.25
C16	314.7637	TR 500	37.89	34.59	35.40		35.41	0.001156	0.66	85.93	290.89	0.25
C16	279.6893	TR 50	23.56	34.44	35.22		35.24	0.001962	0.72	41.87	193.60	0.32
C16	279.6893	TR 100	27.84	34.44	35.27		35.29	0.001711	0.72	52.38	228.98	0.30
C16	279.6893	TR 200	32.15	34.44	35.31		35.33	0.001648	0.73	61.12	255.58	0.30
C16	279.6893	TR 500	37.89	34.44	35.34		35.36	0.001646	0.76	71.27	283.40	0.30
C16	244.9939	TR 50	23.56	34.24	35.05		35.12	0.006324	1.23	19.86	53.77	0.56
C16	244.9939	TR 100	27.84	34.24	35.10	34.93	35.18	0.005994	1.29	24.36	139.19	0.56
C16	244.9939	TR 200	32.15	34.24	35.16	34.97	35.23	0.005019	1.26	32.62	166.97	0.52
C16	244.9939	TR 500	37.89	34.24	35.21		35.27	0.004080	1.21	43.33	200.14	0.48
C16	210.0934	TR 50	23.56	34.07	34.94		34.98	0.002558	0.87	28.58	67.96	0.37
C16	210.0934	TR 100	27.84	34.07	35.00		35.04	0.002455	0.91	33.21	81.79	0.37
C16	210.0934	TR 200	32.15	34.07	35.06		35.10	0.002362	0.95	38.84	131.59	0.36
C16	210.0934	TR 500	37.89	34.07	35.13		35.17	0.002063	0.95	50.48	185.62	0.35
C16	175.3139	TR 50	23.56	33.90	34.74		34.84	0.006220	1.57	18.06	39.46	0.59
C16	175.3139	TR 100	27.84	33.90	34.79		34.91	0.006395	1.68	20.28	41.77	0.61
C16	175.3139	TR 200	32.15	33.90	34.84		34.97	0.006554	1.77	22.40	43.88	0.62
C16	175.3139	TR 500	37.89	33.90	34.90		35.04	0.006747	1.88	25.13	46.75	0.64
C16	139.4305	TR 50	23.56	33.71	34.48		34.59	0.007683	1.63	17.54	43.17	0.65
C16	139.4305	TR 100	27.84	33.71	34.53		34.65	0.007674	1.71	19.92	45.97	0.66
C16	139.4305	TR 200	32.15	33.71	34.58		34.71	0.007671	1.79	22.22	48.53	0.67
C16	139.4305	TR 500	37.89	33.71	34.64		34.78	0.007688	1.89	25.16	51.61	0.67
C16	106.5967	TR 50	23.56	33.52	34.25		34.35	0.006807	1.51	18.52	45.30	0.61
C16	106.5967	TR 100	27.84	33.52	34.30		34.41	0.007124	1.62	20.64	47.72	0.63
C16	106.5967	TR 200	32.15	33.52	34.34		34.46	0.007402	1.72	22.68	49.94	0.65
C16	106.5967	TR 500	37.89	33.52	34.39		34.53	0.007736	1.84	25.25	52.60	0.67
C16	70.53286	TR 50	23.56	33.30	33.98		34.05	0.009767	1.22	19.31	56.94	0.66
C16	70.53286	TR 100	27.84	33.30	34.02		34.10	0.009881	1.29	21.60	59.86	0.67
C16	70.53286	TR 200	32.15	33.30	34.05		34.15	0.010012	1.36	23.79	62.32	0.69
C16	70.53286	TR 500	37.89	33.30	34.10		34.20	0.010117	1.44	26.63	65.38	0.70
C16	34.92802	TR 50	23.56	33.11	33.80		33.84	0.003685	0.82	29.13	80.50	0.42
C16	34.92802	TR 100	27.84	33.11	33.84		33.88	0.003877	0.89	31.95	84.82	0.43
C16	34.92802	TR 200	32.15	33.11	33.87		33.92	0.004002	0.95	34.84	89.53	0.44
C16	34.92802	TR 500	37.89	33.11	33.91		33.96	0.004175	1.02	38.99	119.04	0.46
C16	3.858742	TR 50	23.56	32.97	33.47	33.47	33.59	0.024159	1.56	15.40	69.76	0.99
C16	3.858742	TR 100	27.84	32.97	33.51	33.51	33.63	0.020553	1.58	18.42	83.84	0.93
C16	3.858742	TR 200	32.15	32.97	33.54	33.54	33.67	0.019733	1.64	20.77	86.85	0.93
C16	3.858742	TR 500	37.89	32.97	33.57	33.57	33.71	0.018927	1.72	23.75	90.76	0.92

HEC-RAS Plan: Plan 01 River: Fiume_74342 Reach: C16

Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q Culv Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	Culv Vel US (m/s)	Culv Vel DS (m/s)
C16	559.4808 Culvert #1	TR 50	37.95	37.95	37.95	37.53	37.88	8.96	14.60	1.71	2.49	4.99
C16	559.4808 Culvert #1	TR 100	37.96	37.96	37.96	37.53	37.88	9.00	18.84	1.70	2.50	5.00
C16	559.4808 Culvert #1	TR 200	37.97	37.97	37.97	37.54	37.88	9.08	23.07	1.69	2.52	5.02
C16	559.4808 Culvert #1	TR 500	37.98	37.98	37.98	37.55	37.88	9.13	28.56	1.68	2.54	5.04

COMUNE DI ALGHERO

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale ai sensi dell'art.8 comma 2 delle N.A. del PAI

Area di indagine: **TERRITORIO COMUNALE**

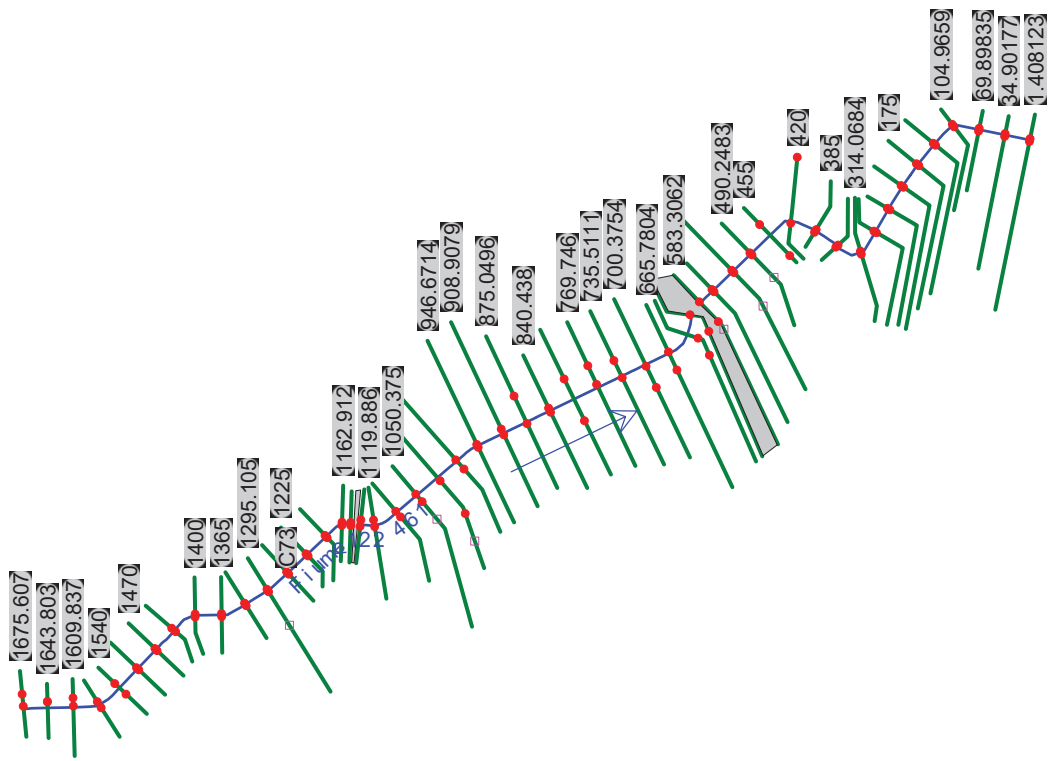
SIMULAZIONI IN MOTO PERMANENTE

Modello 14 - Fiume 122461 e Fiume 123265

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per i tempi di ritorno 50, 100, 200 e 500 anni;

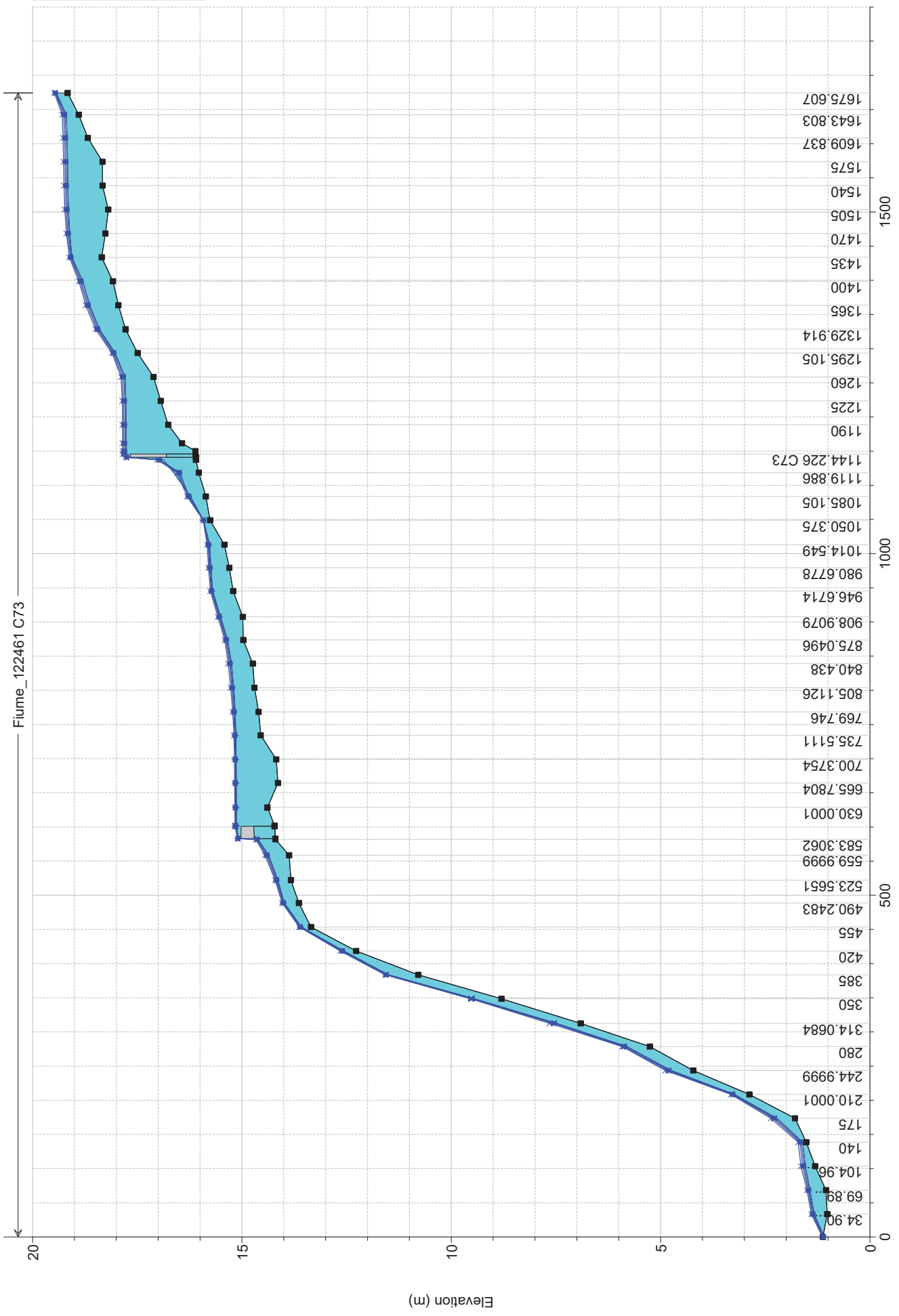
River	Reach	RS	PORTATE mc/s			
			TR 50	TR 100	TR 200	TR 500
Fiume_122461	C73	1675.607	10.666	12.352	14.048	16.34
Fiume_122461	C73	805.1126	12.99	15.141	17.304	20.21

River	Reach	PROFILI	condizioni al contorno	
			upstream	downstream
Fiume_122461	C73	all	Critical Depth	Critical Depth



Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.
 Fiumi_122461_123265 Plan: Plan 01 4/27/2021
 Fiume_122461 C73

Legend	
WS TR 500	✕
WS TR 200	▶
WS TR 100	▲
WS TR 50	■
Ground	■

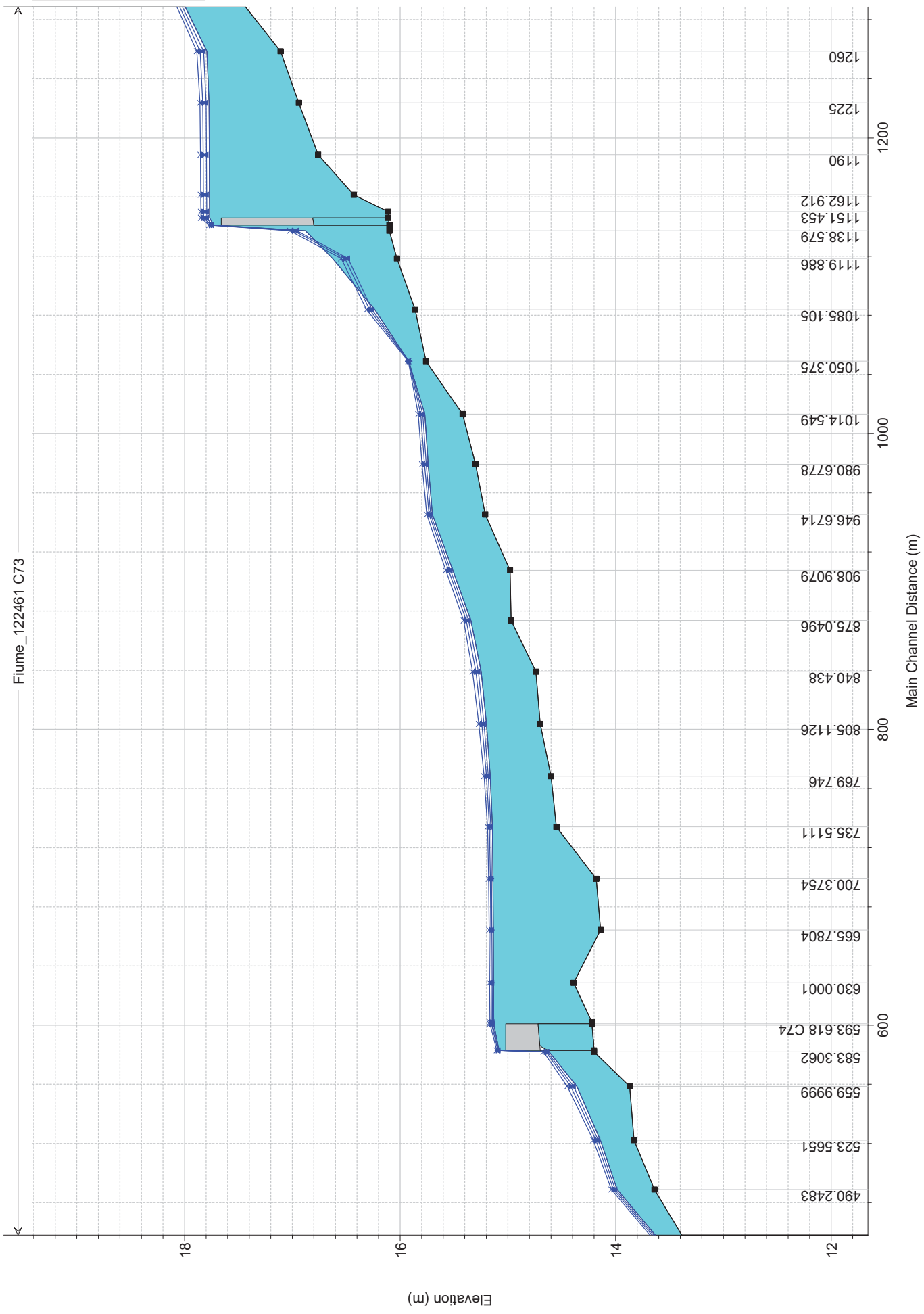


Main Channel Distance (m)

Elevation (m)

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.
 Fiumi_122461_123265 Plan: Plan 01 4/27/2021
 Fiume_122461 C73

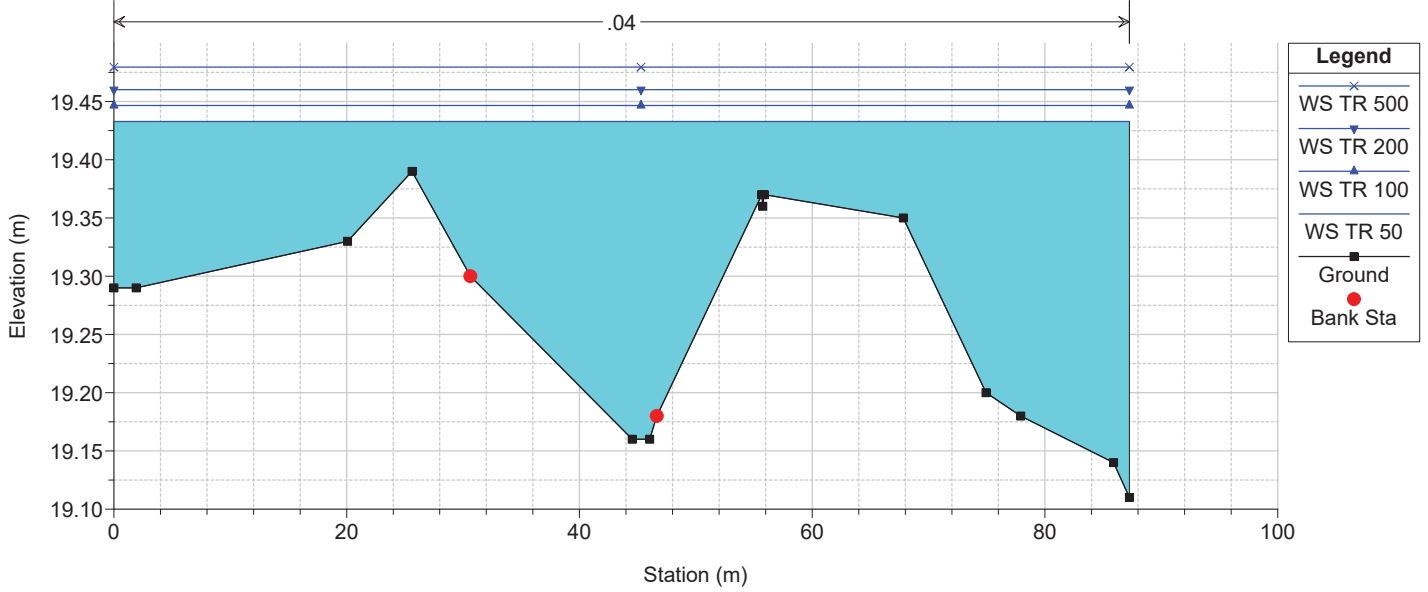
Legend	
WS TR 500	✕
WS TR 200	▶
WS TR 100	▲
WS TR 50	■
Ground	■



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

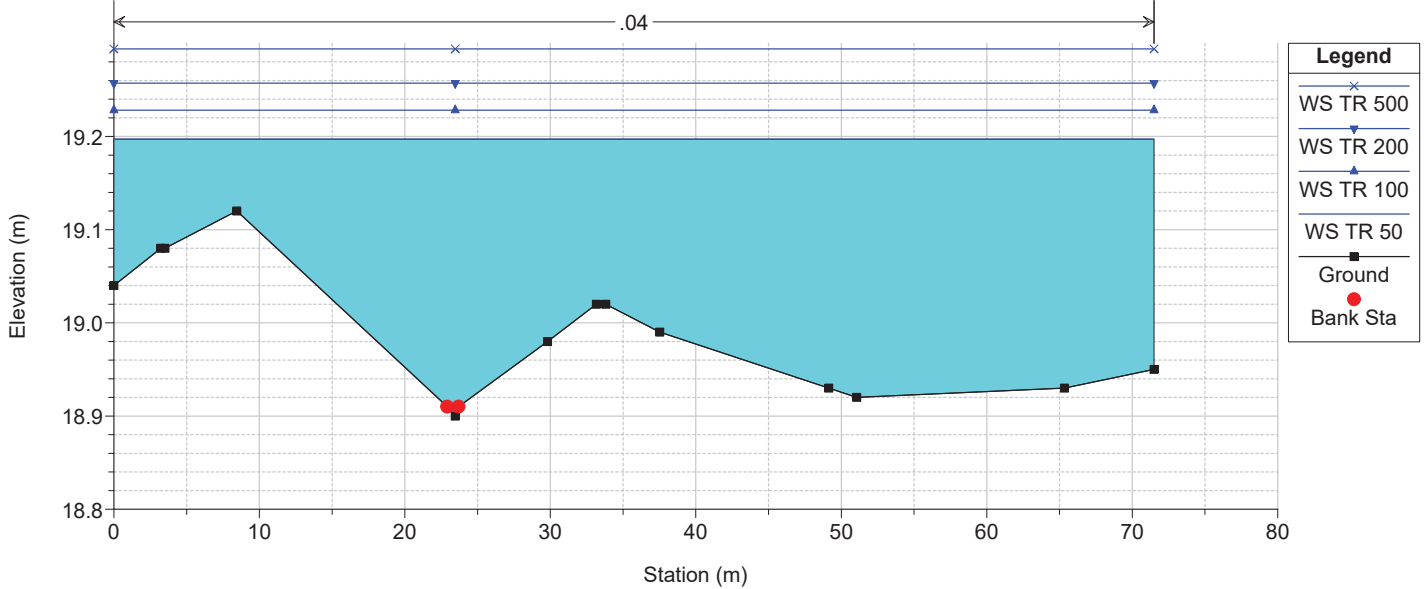
River = Fiume_122461 Reach = C73 RS = 1675.607 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

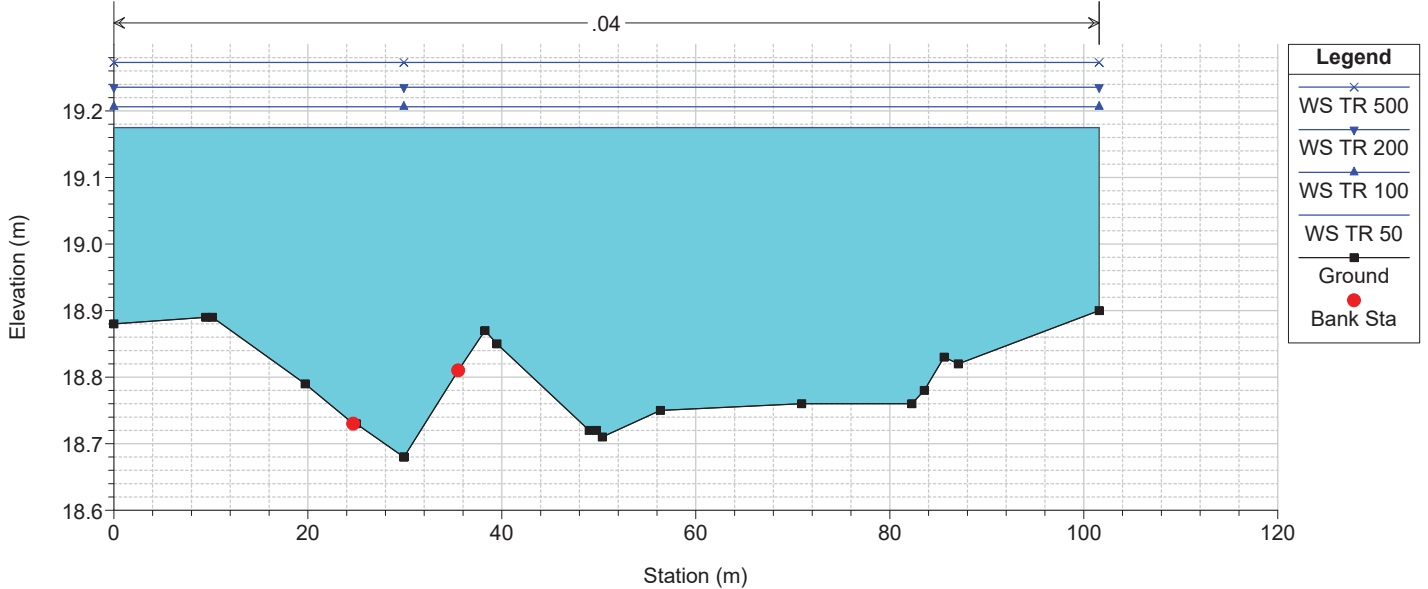
River = Fiume_122461 Reach = C73 RS = 1643.803 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

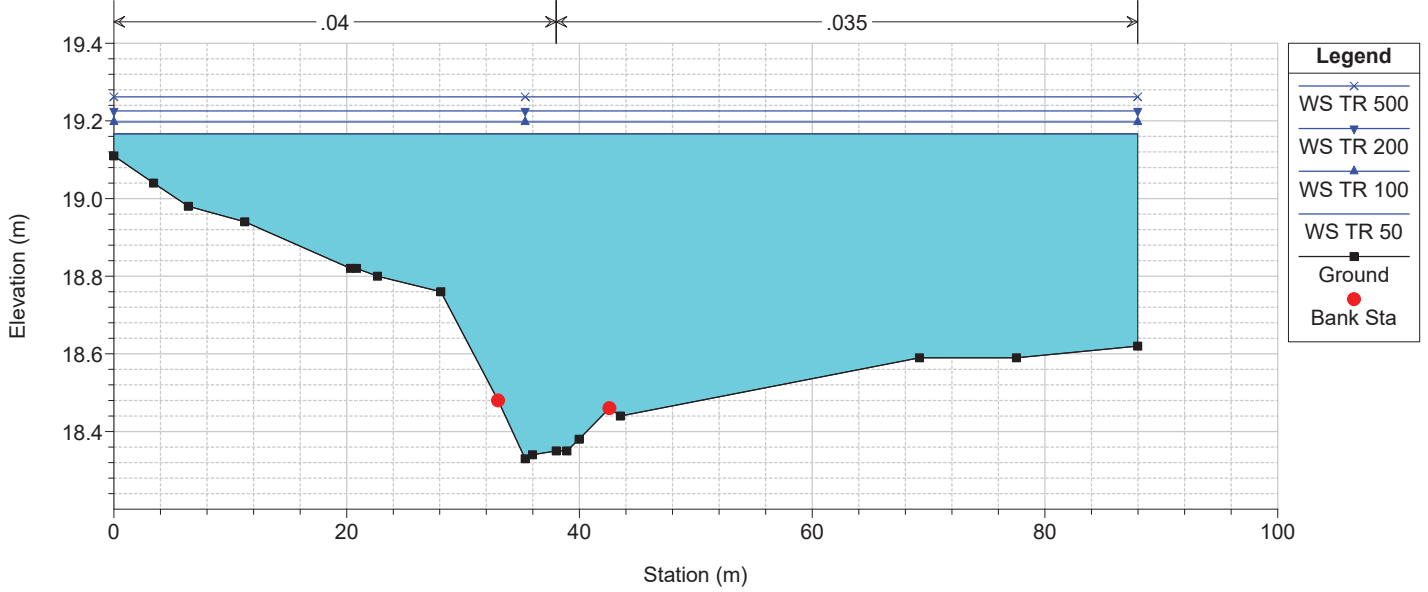
River = Fiume_122461 Reach = C73 RS = 1609.837 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

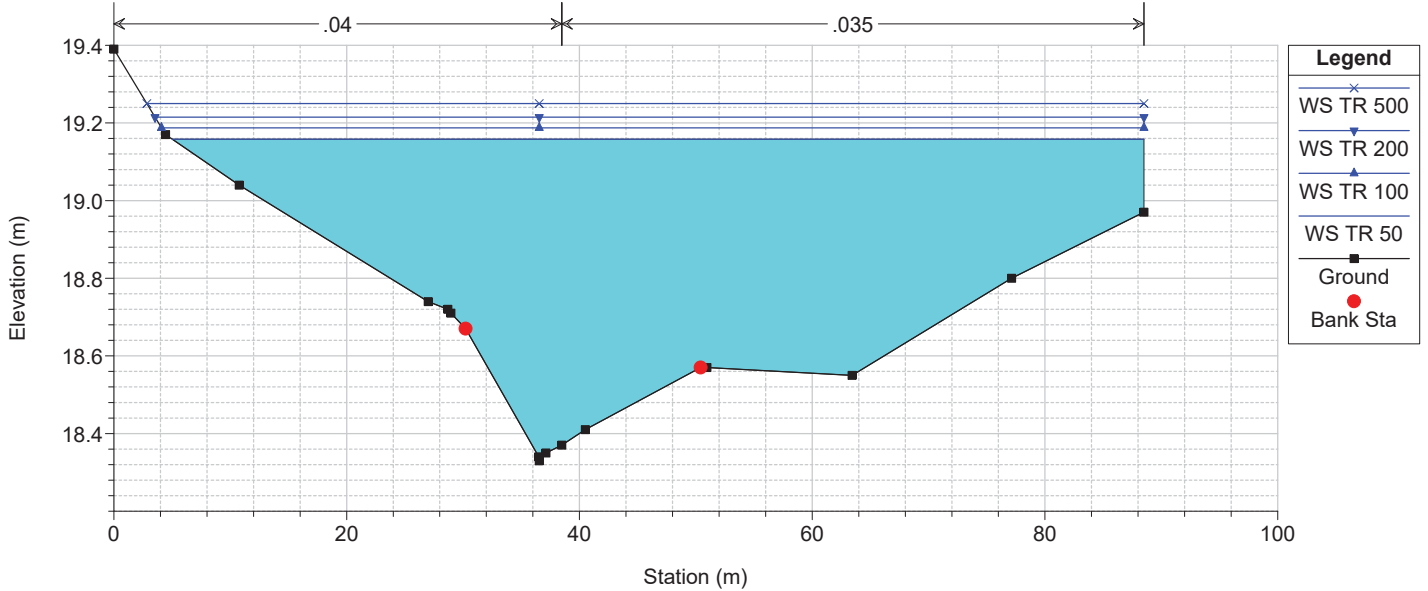
River = Fiume_122461 Reach = C73 RS = 1575 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

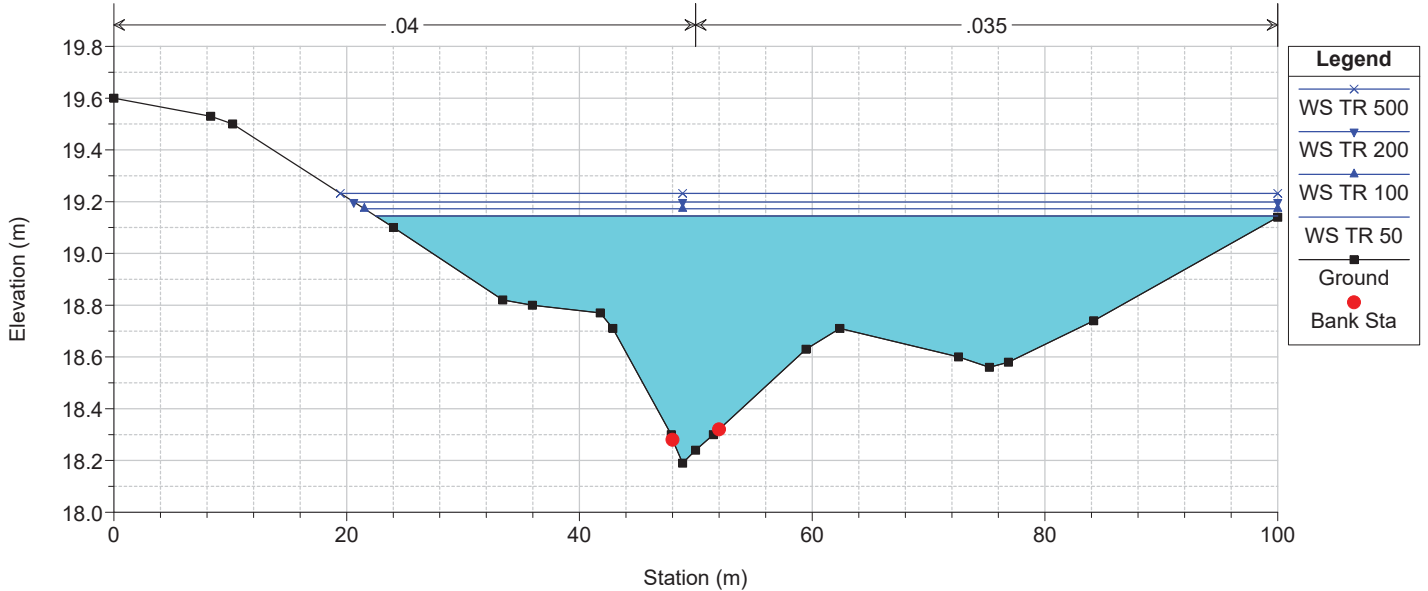
River = Fiume_122461 Reach = C73 RS = 1540 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

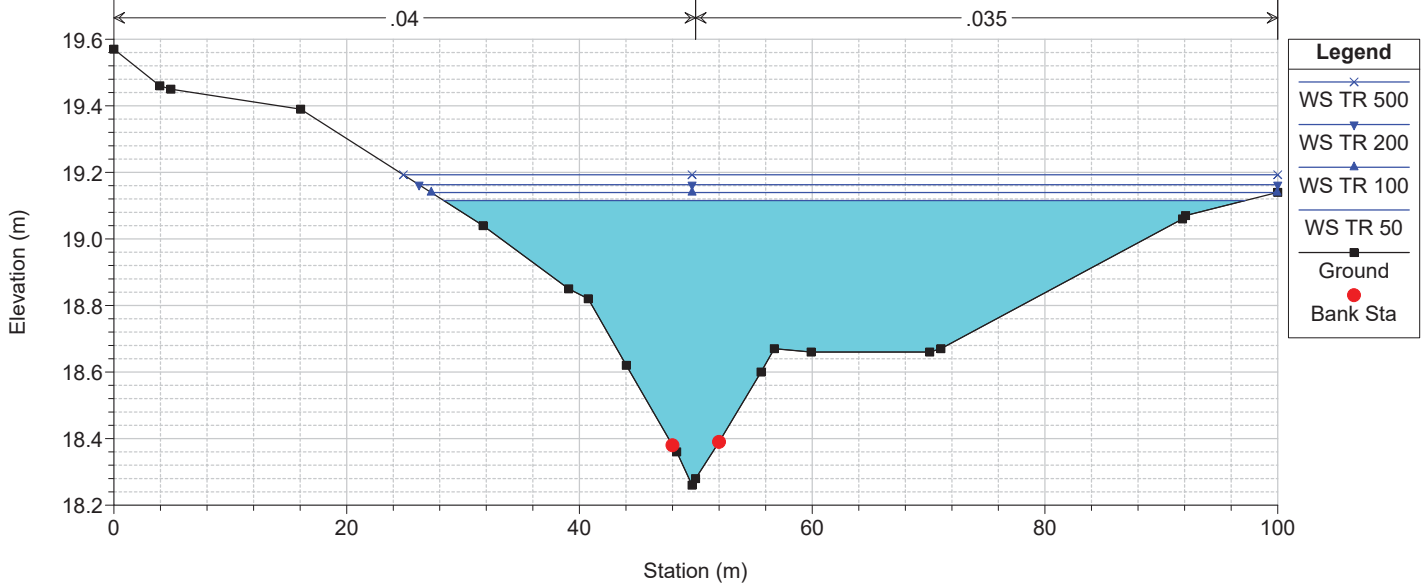
River = Fiume_122461 Reach = C73 RS = 1505 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

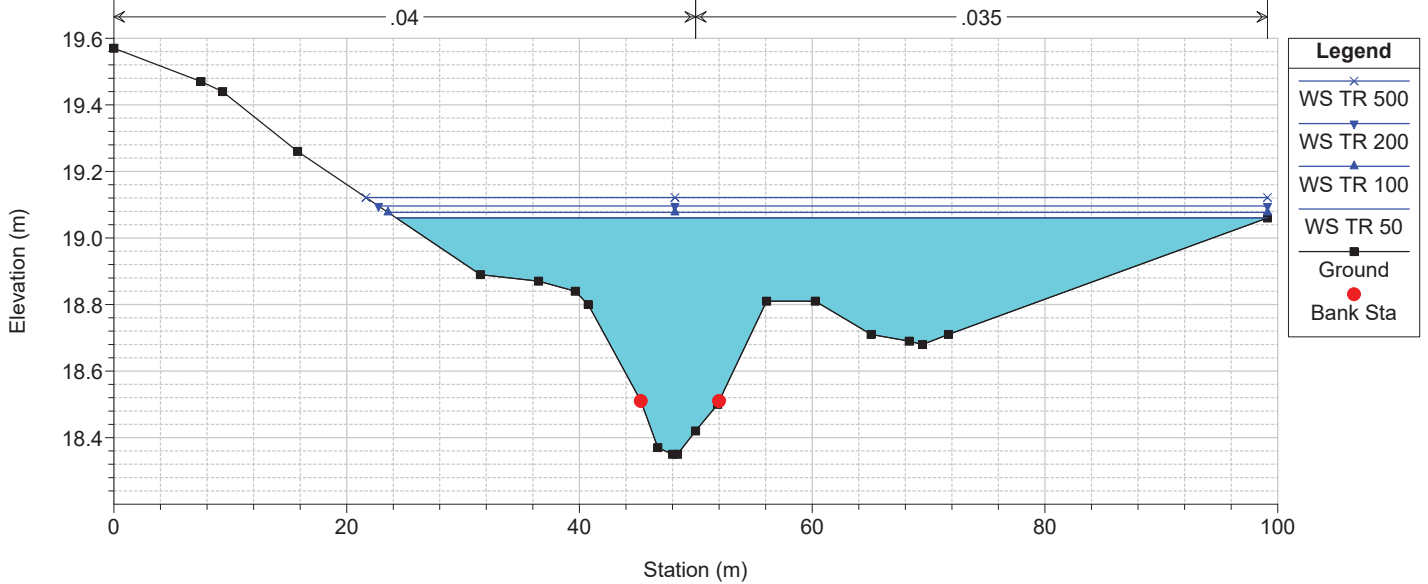
River = Fiume_122461 Reach = C73 RS = 1470 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

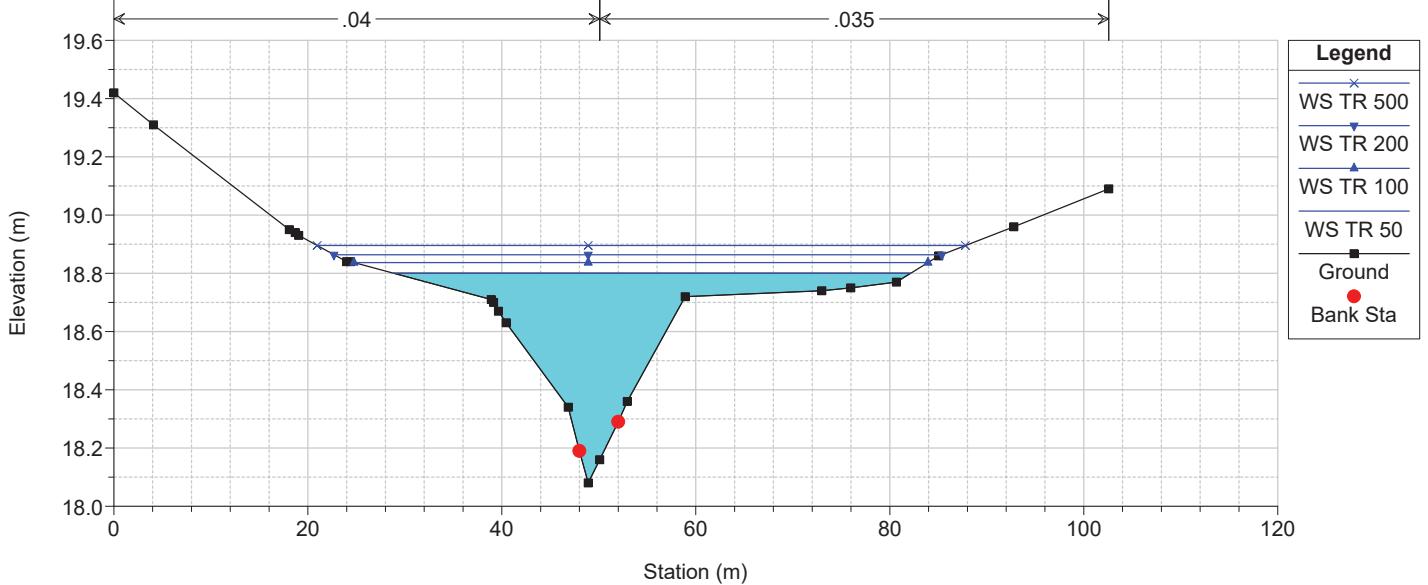
River = Fiume_122461 Reach = C73 RS = 1435 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

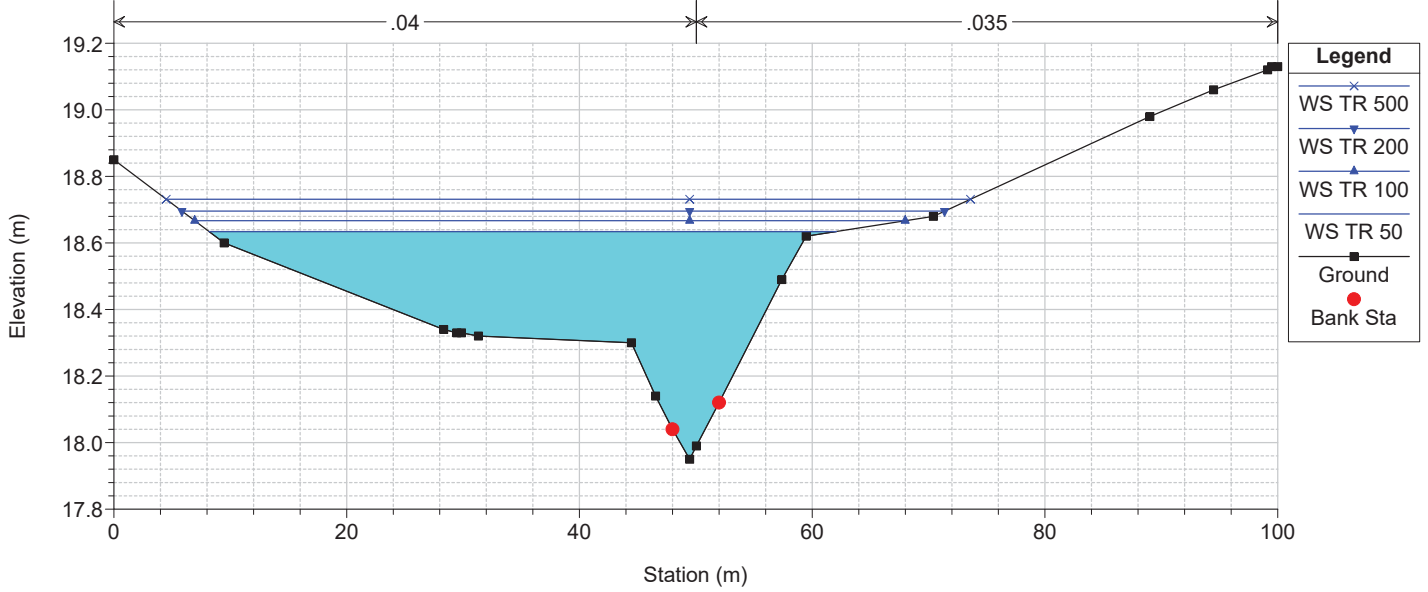
River = Fiume_122461 Reach = C73 RS = 1400 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

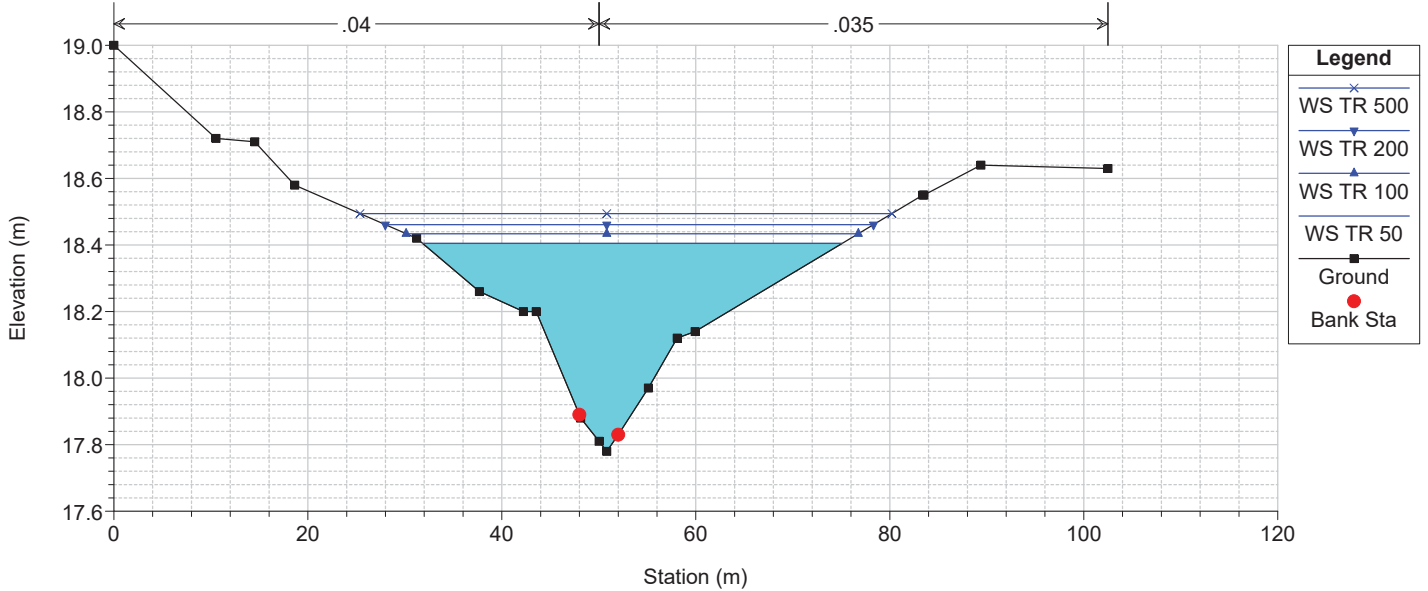
River = Fiume_122461 Reach = C73 RS = 1365 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

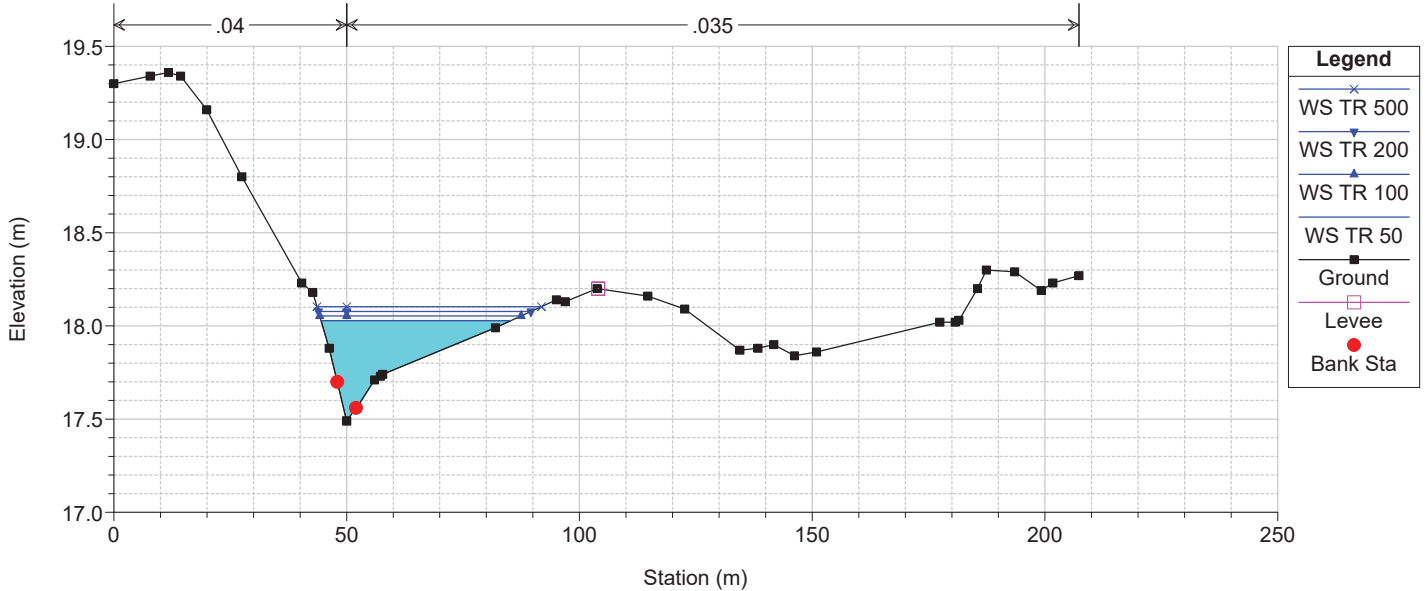
River = Fiume_122461 Reach = C73 RS = 1329.914 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

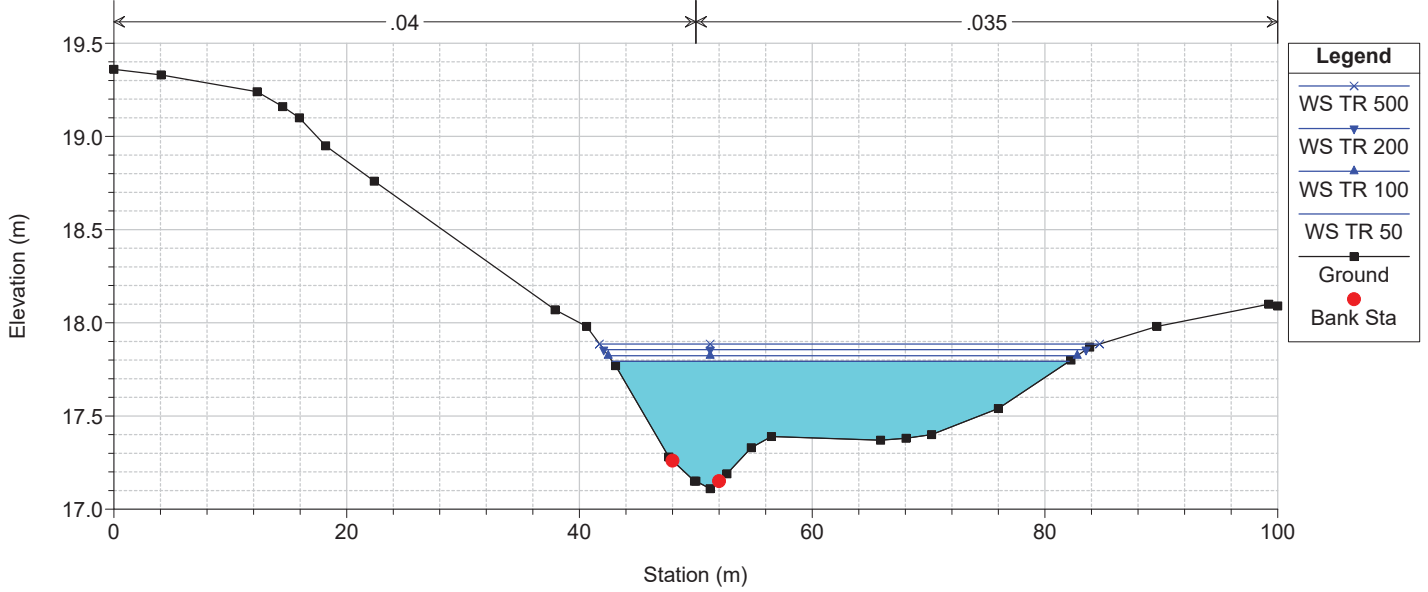
River = Fiume_122461 Reach = C73 RS = 1295.105 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

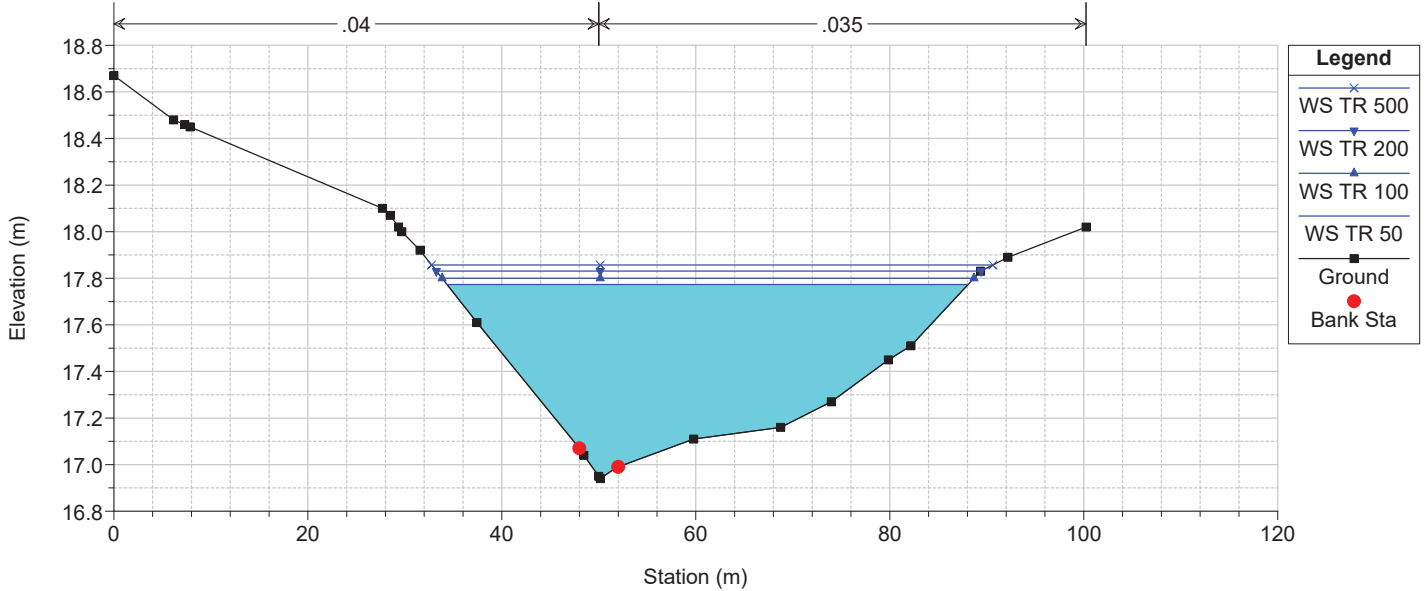
River = Fiume_122461 Reach = C73 RS = 1260 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

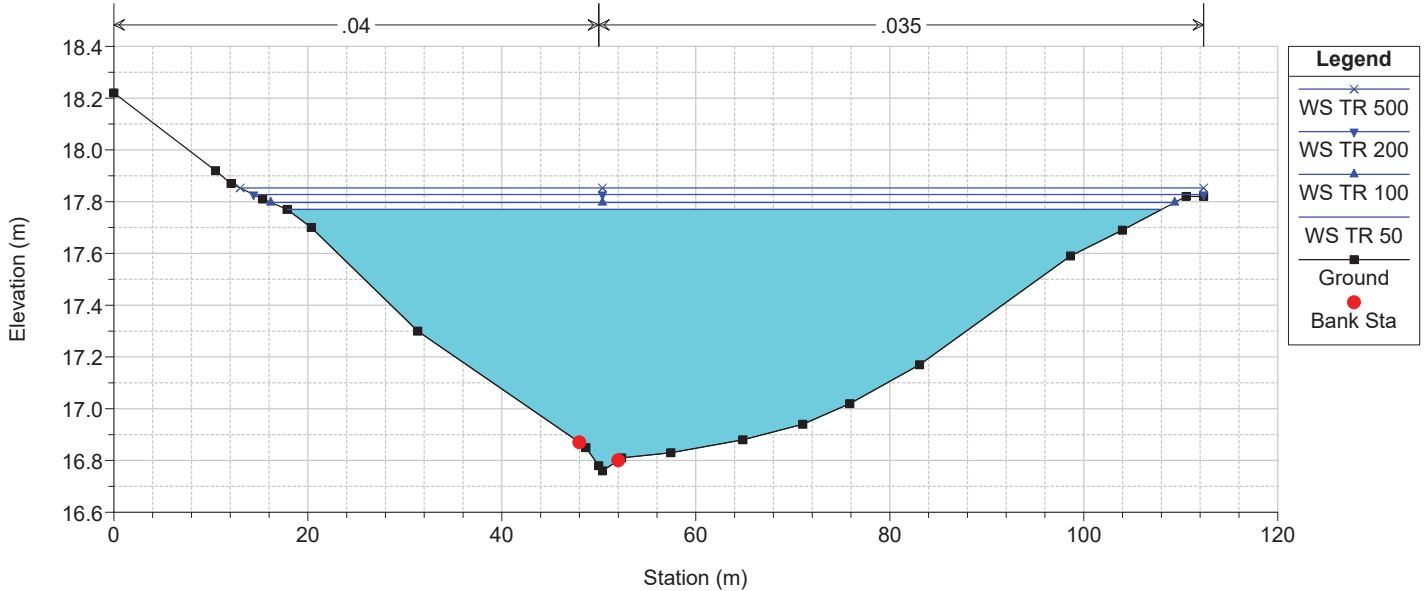
River = Fiume_122461 Reach = C73 RS = 1225 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

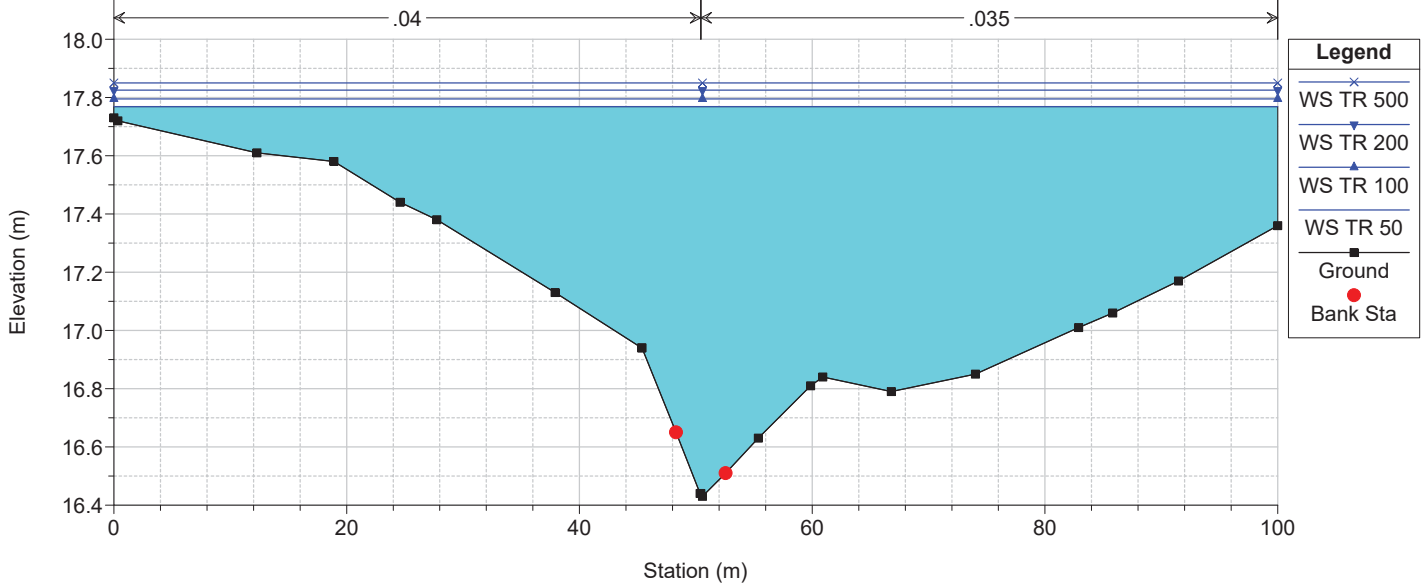
River = Fiume_122461 Reach = C73 RS = 1190 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

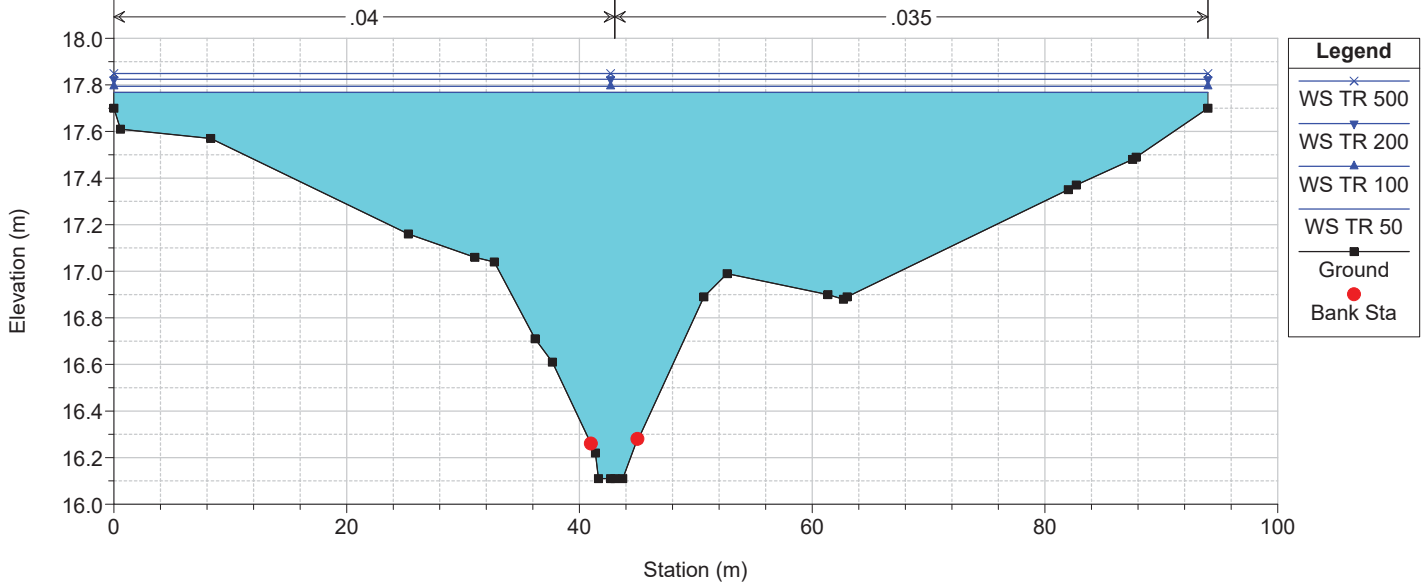
River = Fiume_122461 Reach = C73 RS = 1162.912 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

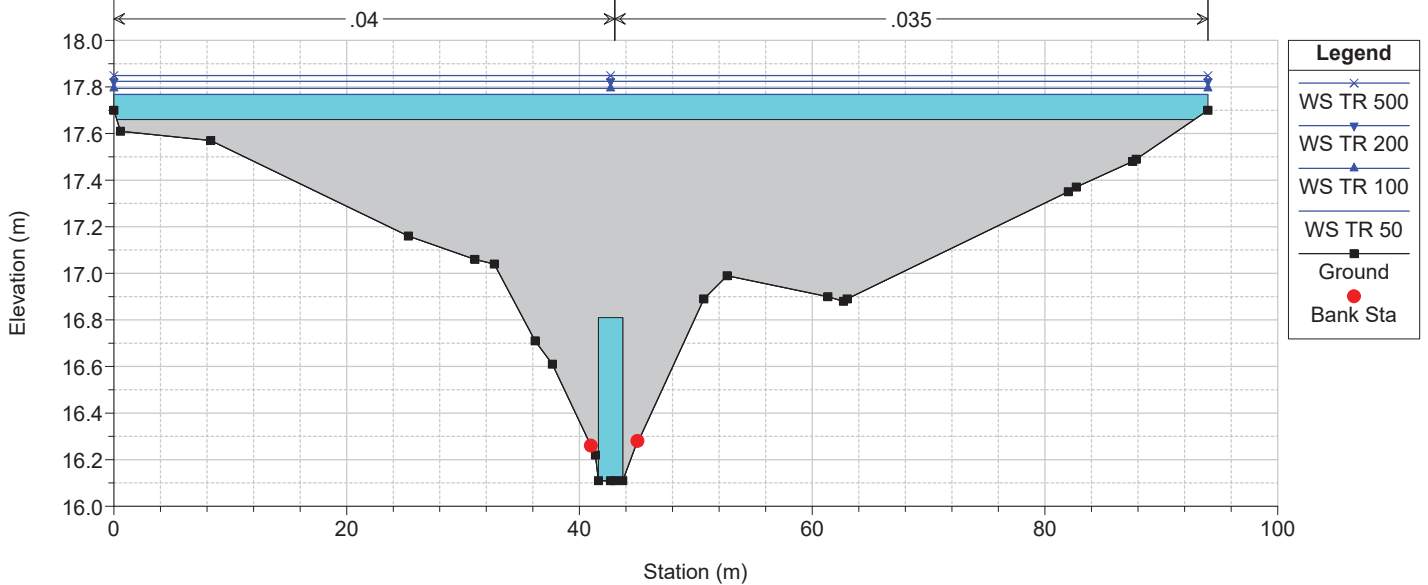
River = Fiume_122461 Reach = C73 RS = 1151.453 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

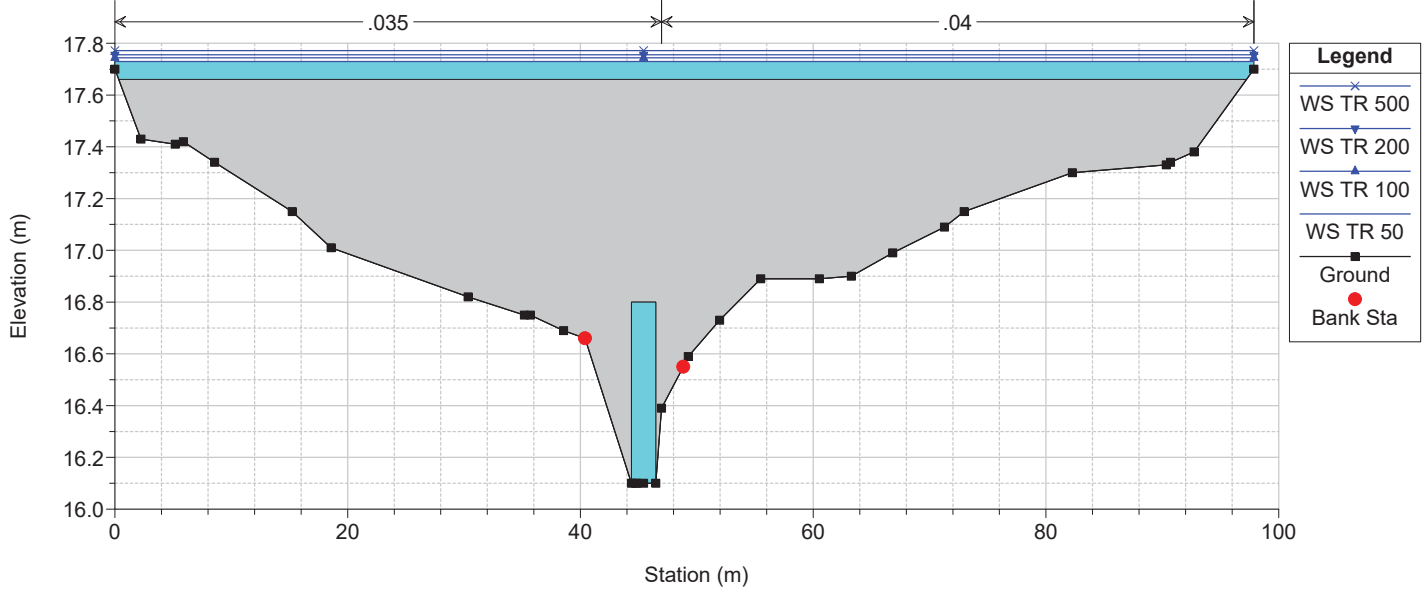
River = Fiume_122461 Reach = C73 RS = 1144.226 Culv C73 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

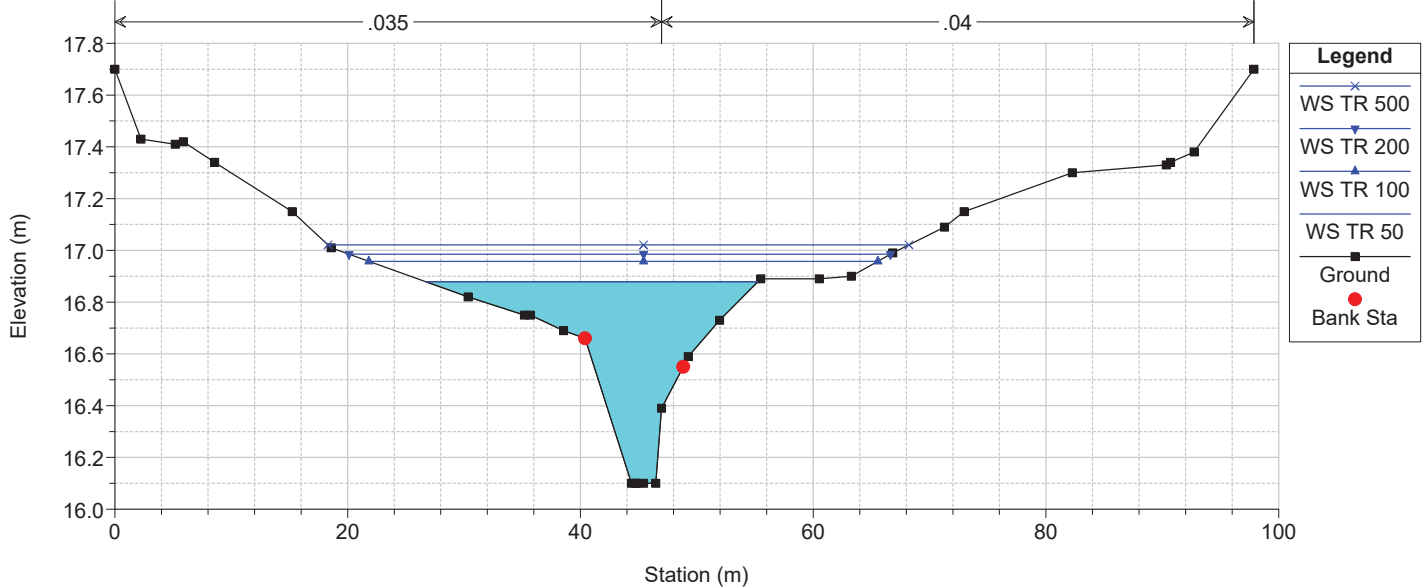
River = Fiume_122461 Reach = C73 RS = 1144.226 Culv C73 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

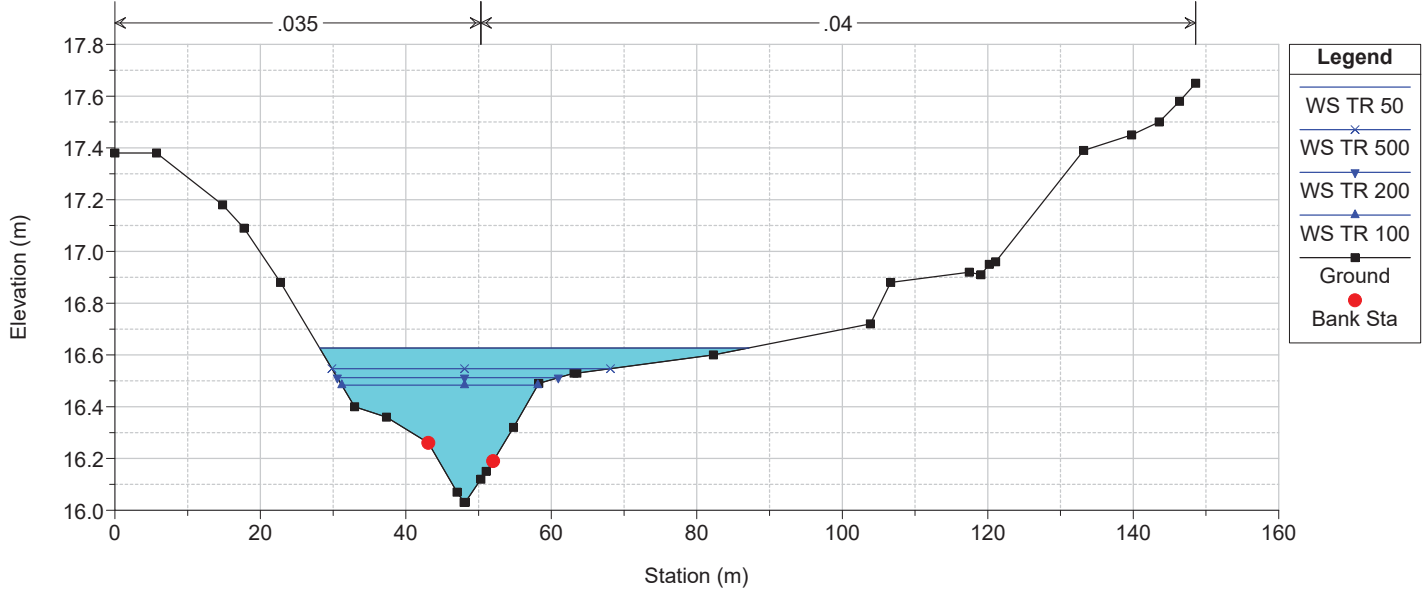
River = Fiume_122461 Reach = C73 RS = 1138.579 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

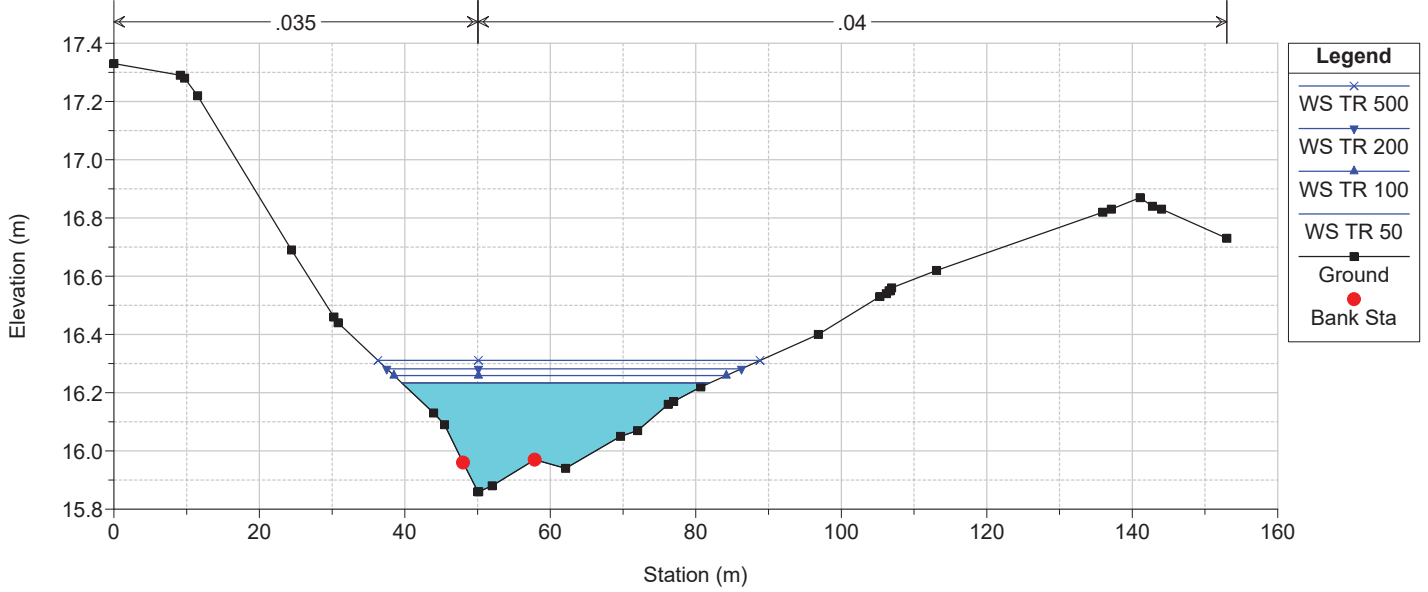
River = Fiume_122461 Reach = C73 RS = 1119.886 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

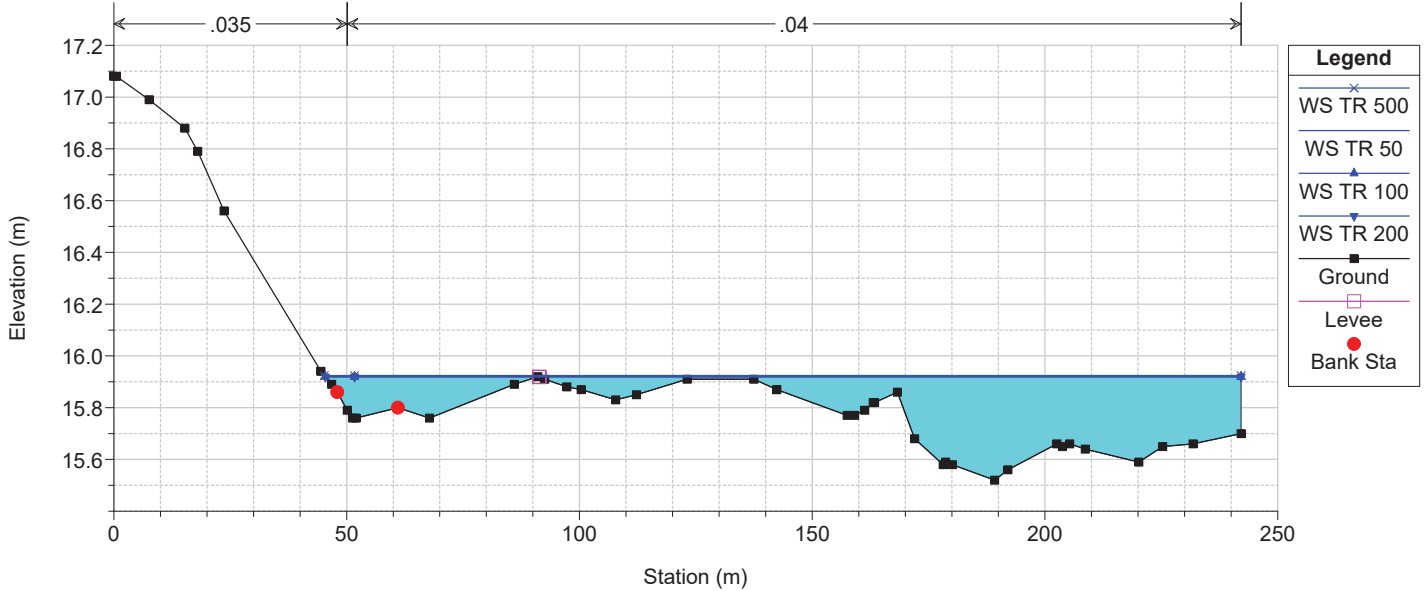
River = Fiume_122461 Reach = C73 RS = 1085.105 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

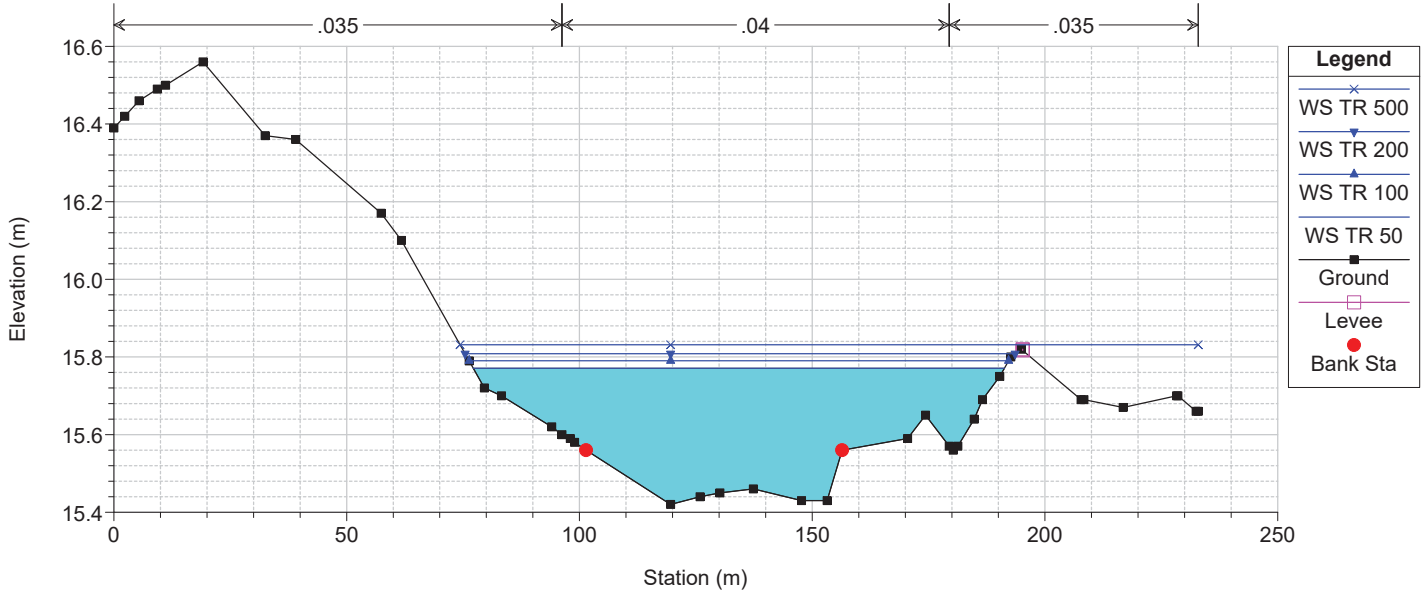
River = Fiume_122461 Reach = C73 RS = 1050.375 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

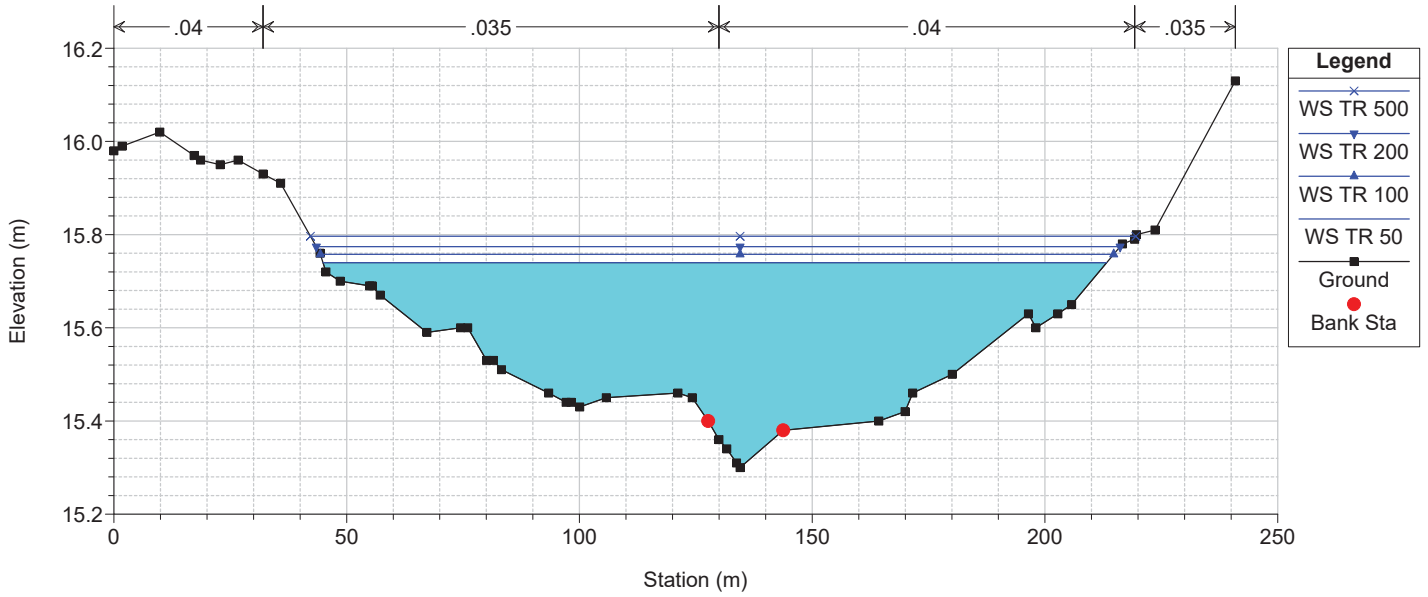
River = Fiume_122461 Reach = C73 RS = 1014.549 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

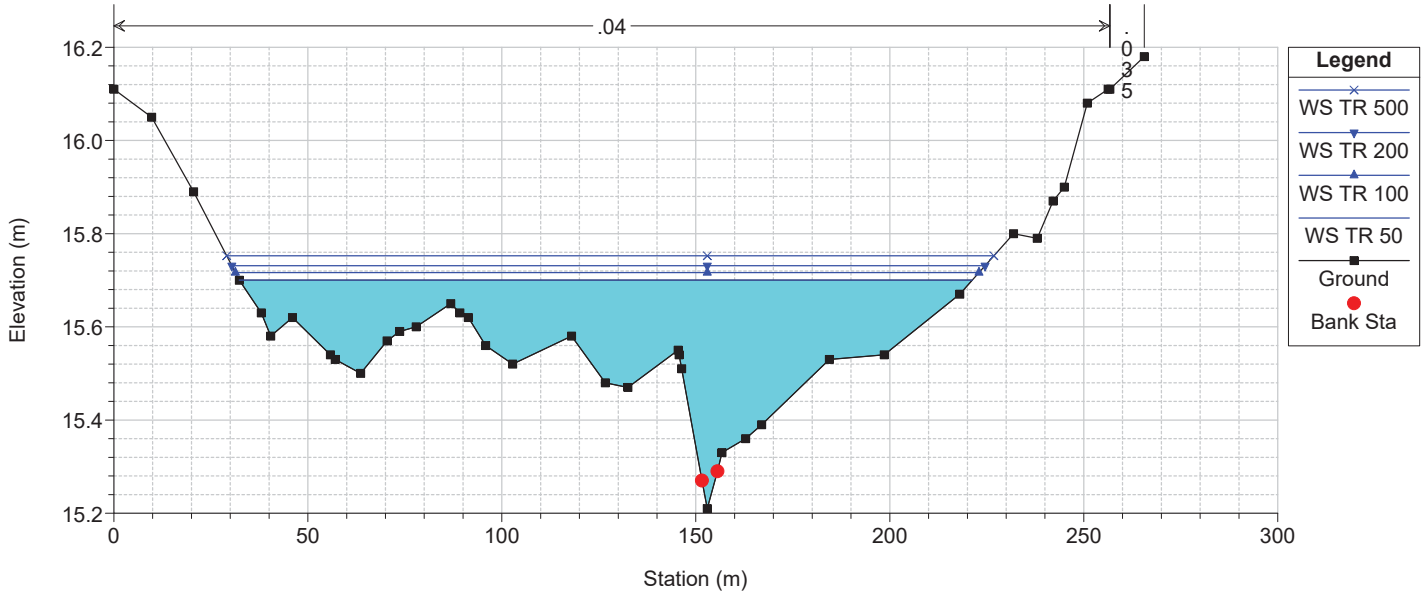
River = Fiume_122461 Reach = C73 RS = 980.6778 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

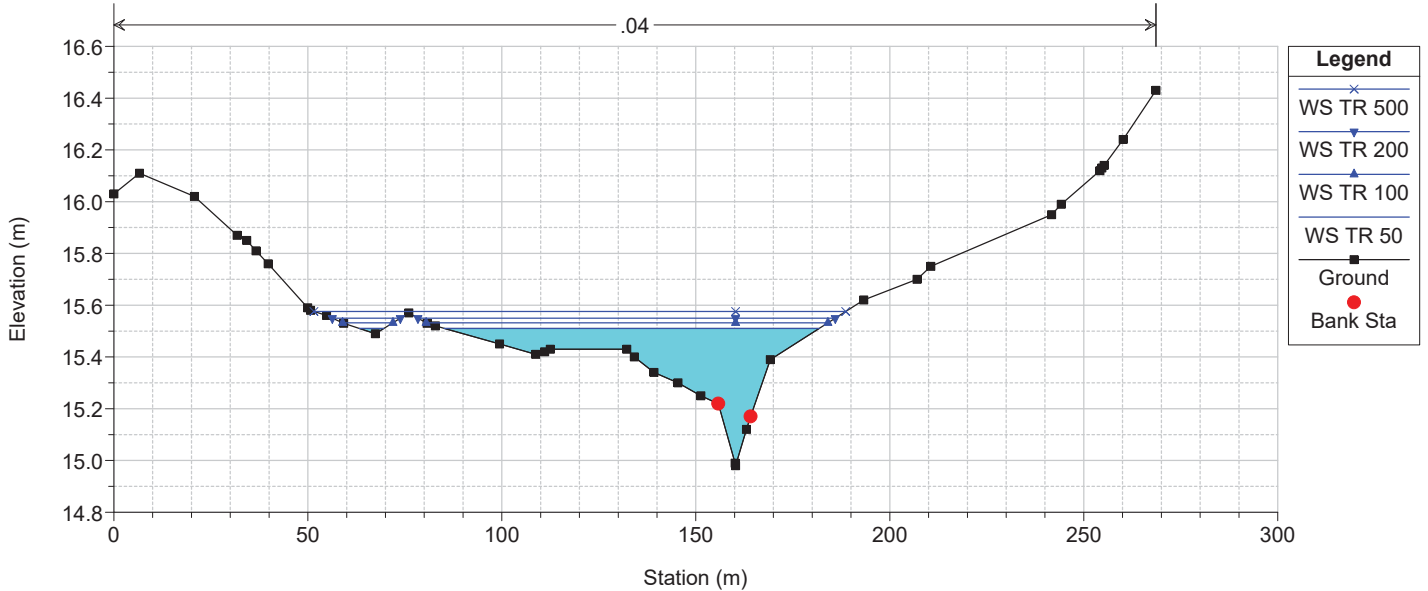
River = Fiume_122461 Reach = C73 RS = 946.6714 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

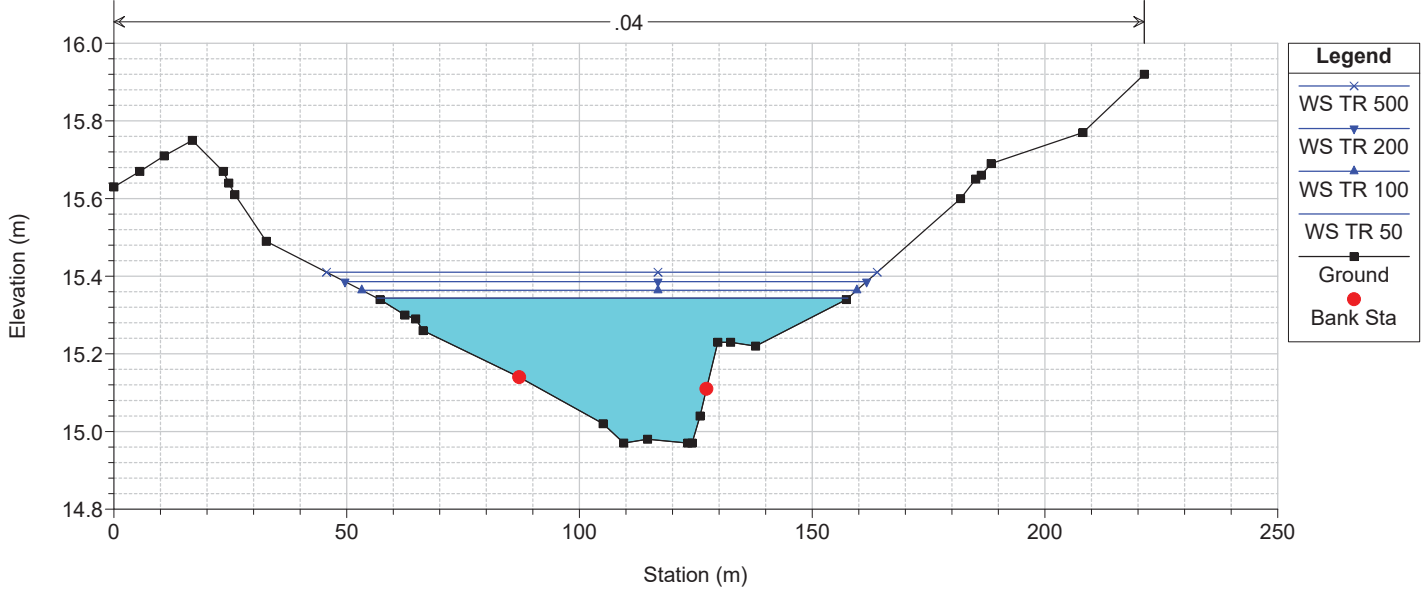
River = Fiume_122461 Reach = C73 RS = 908.9079 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

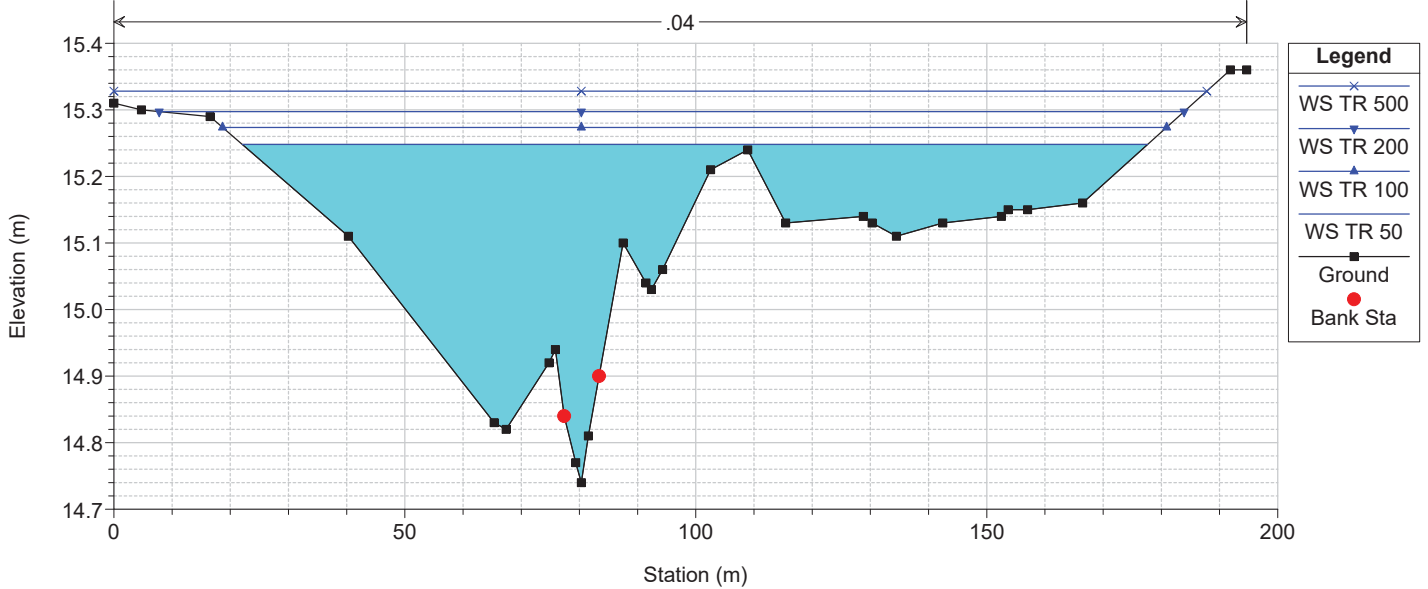
River = Fiume_122461 Reach = C73 RS = 875.0496 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

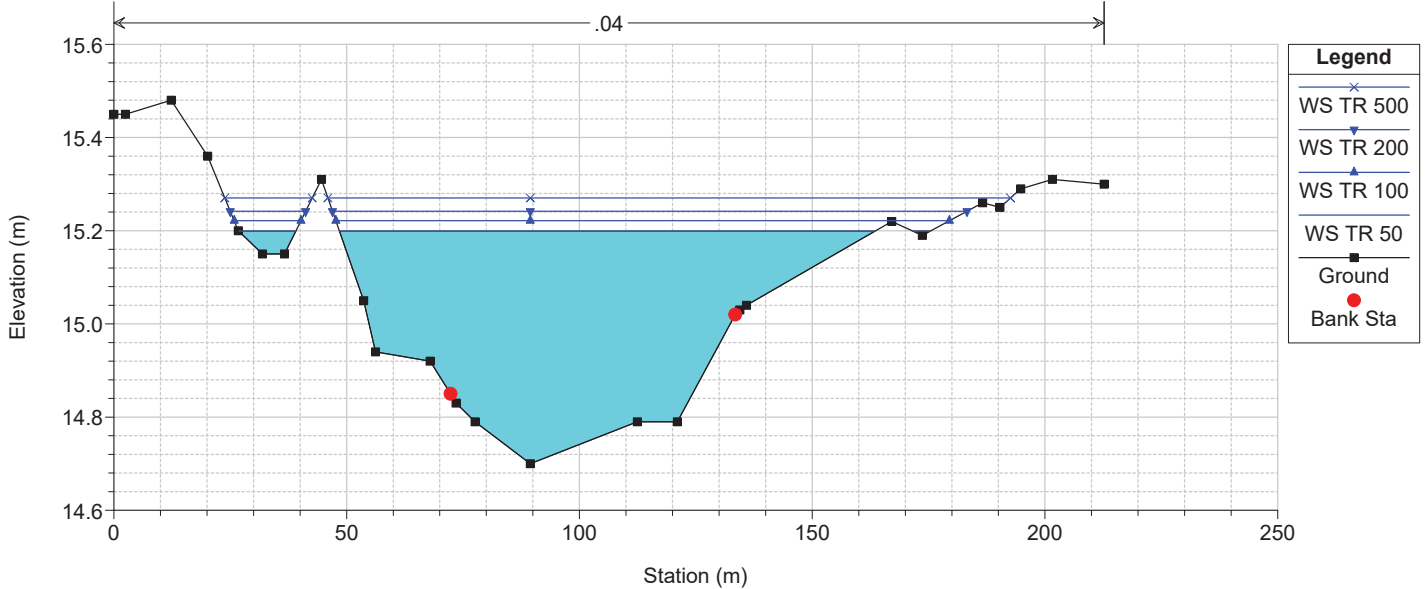
River = Fiume_122461 Reach = C73 RS = 840.438 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

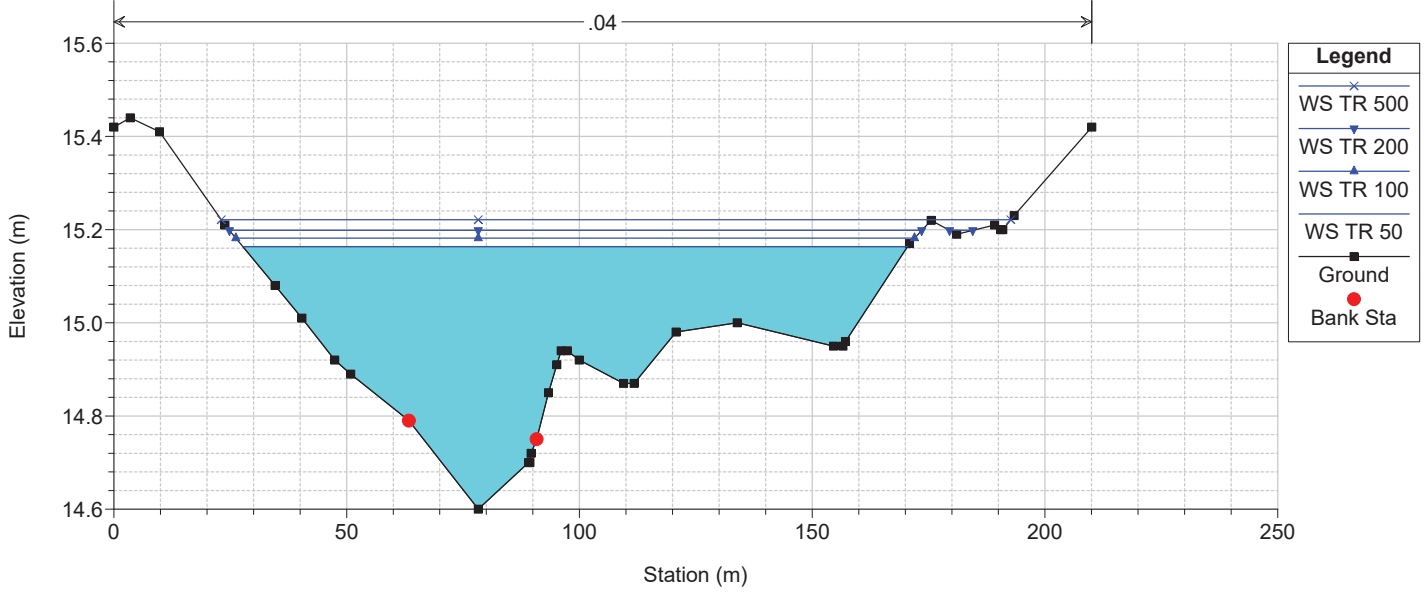
River = Fiume_122461 Reach = C73 RS = 805.1126 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

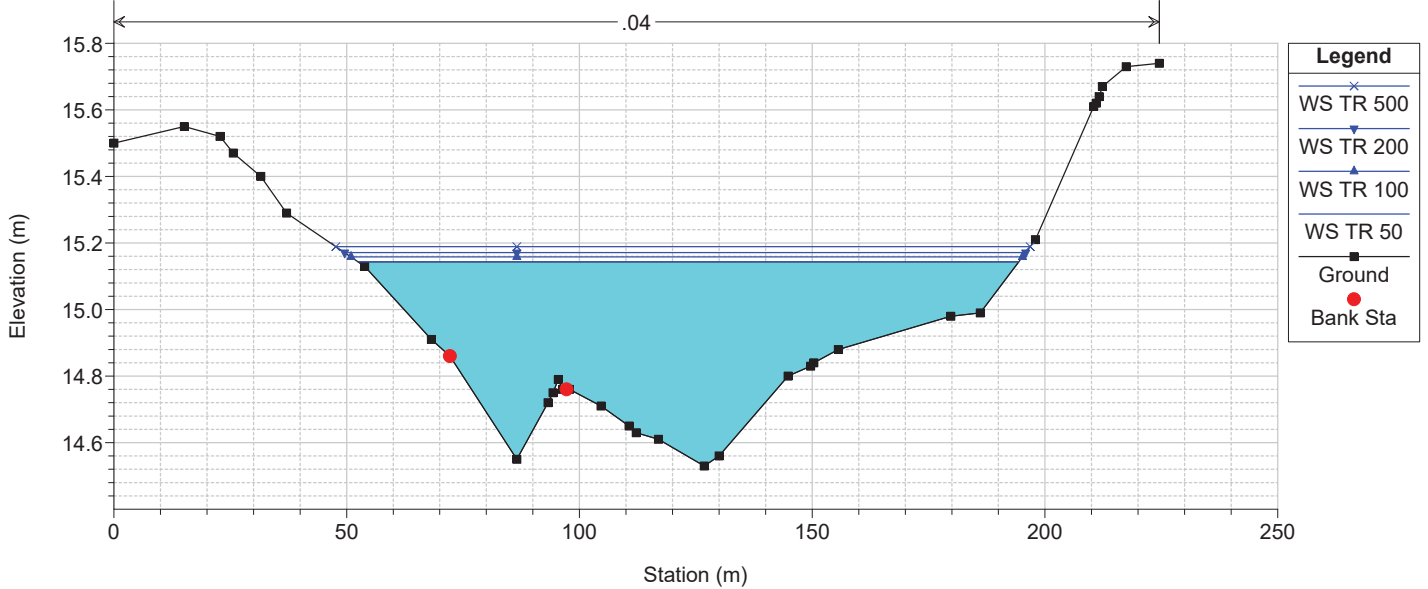
River = Fiume_122461 Reach = C73 RS = 769.746 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

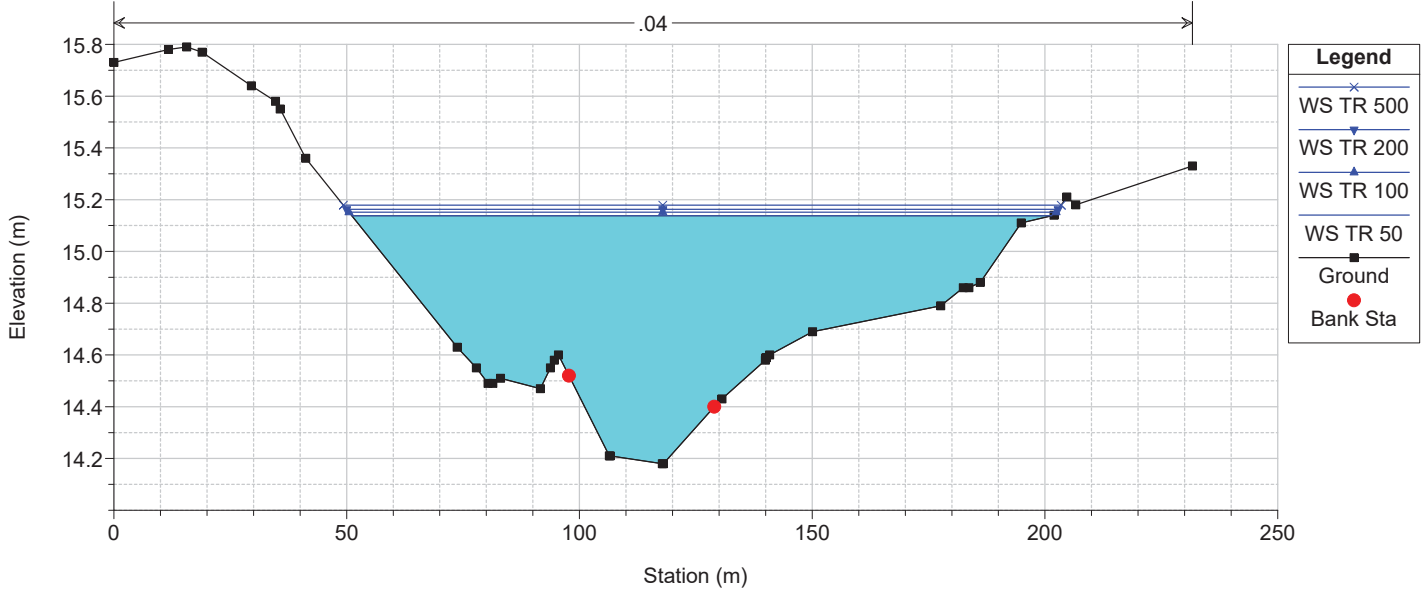
River = Fiume_122461 Reach = C73 RS = 735.5111 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

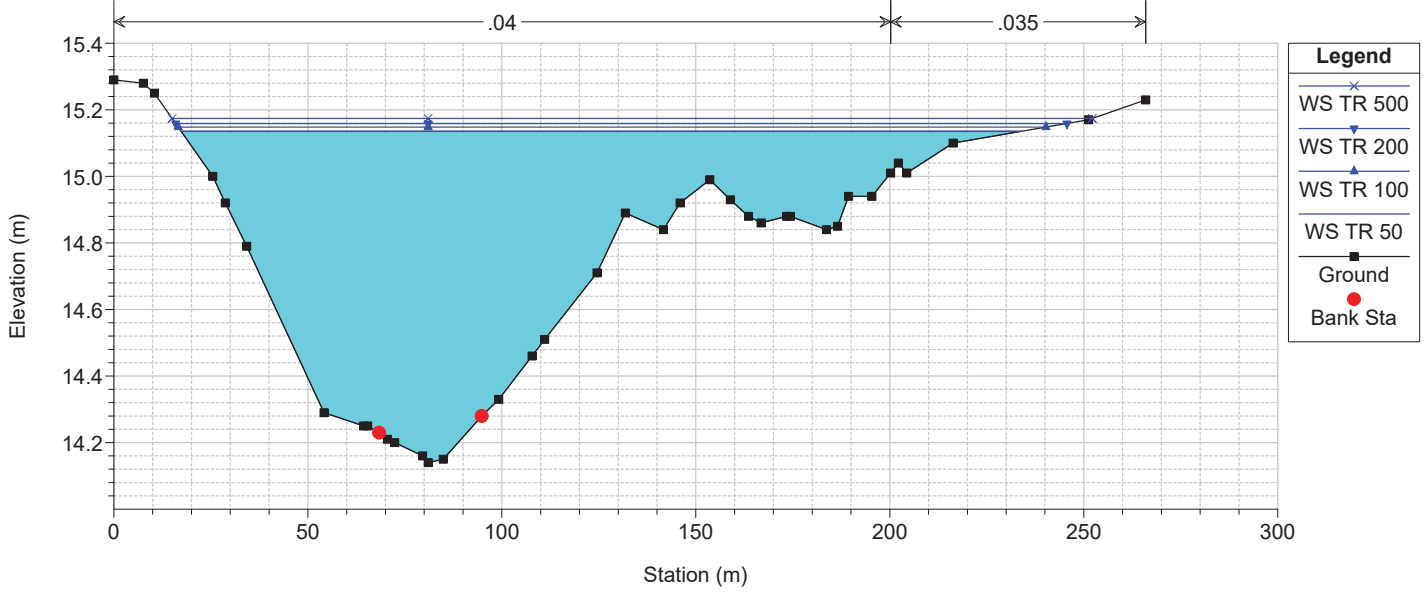
River = Fiume_122461 Reach = C73 RS = 700.3754 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

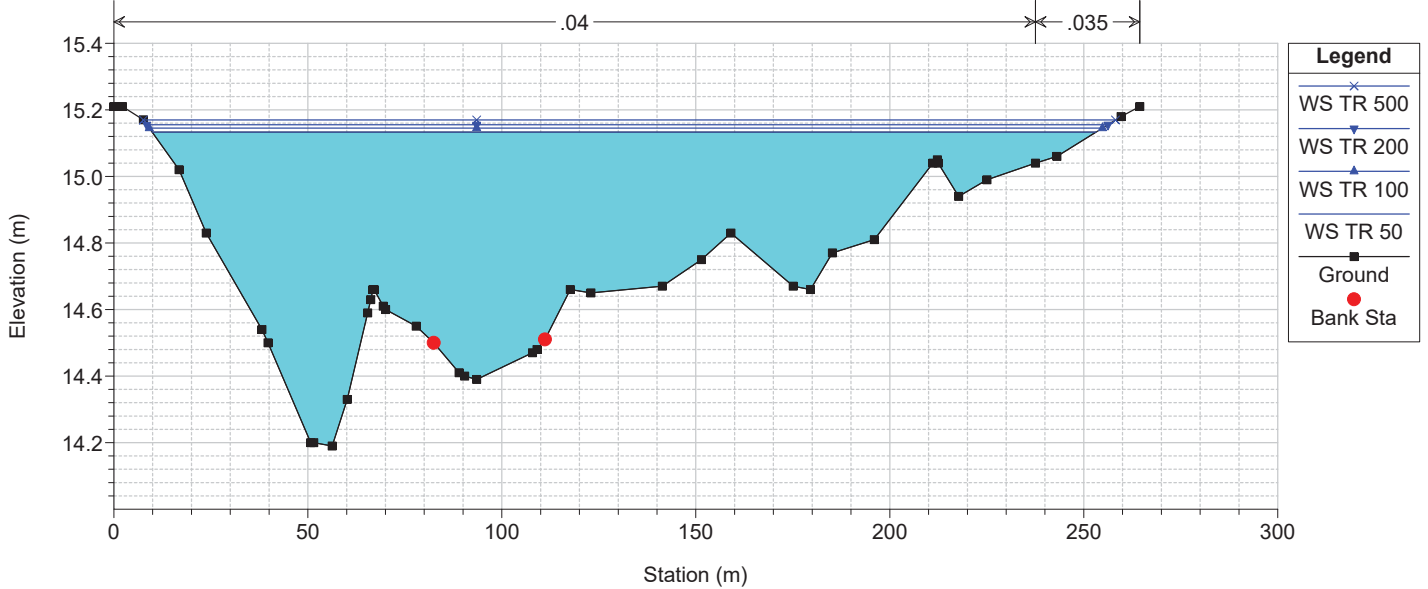
River = Fiume_122461 Reach = C73 RS = 665.7804 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

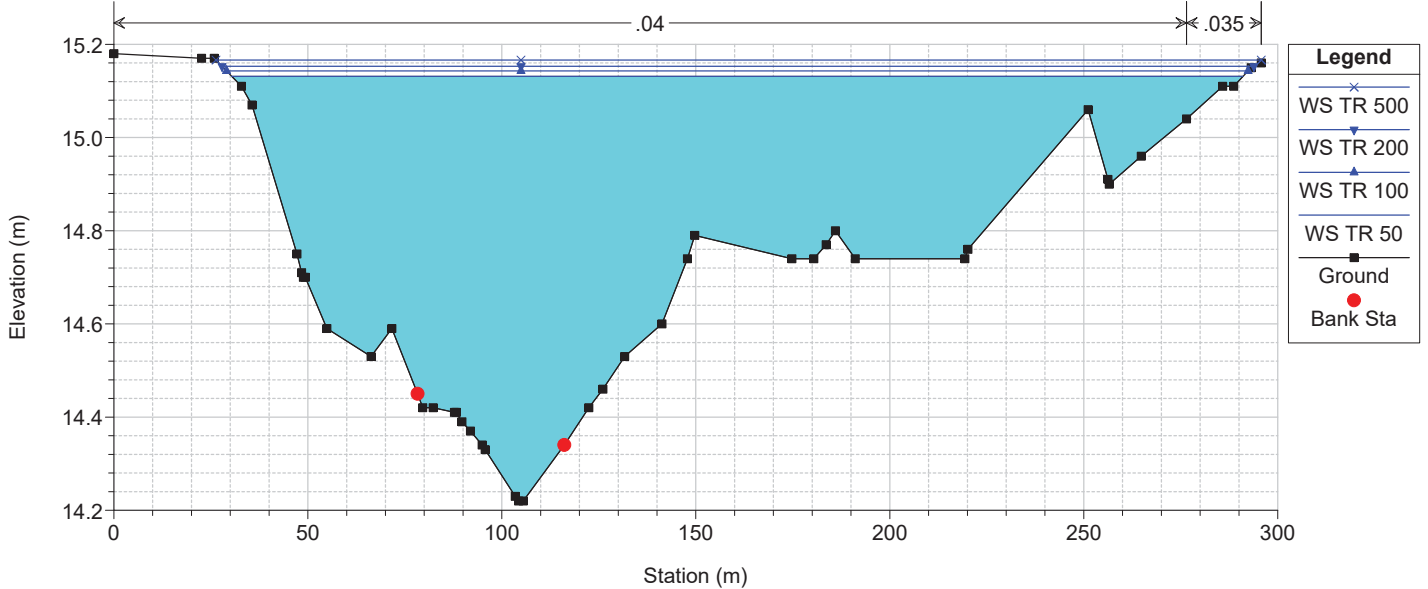
River = Fiume_122461 Reach = C73 RS = 630.0001 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

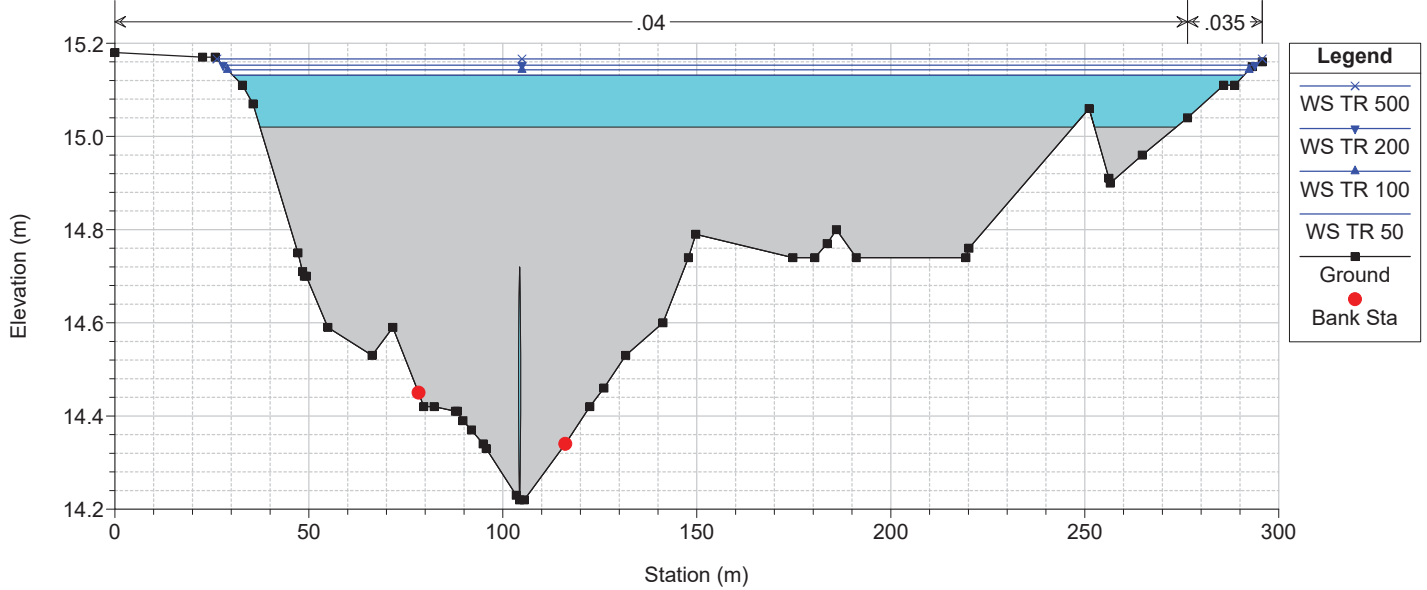
River = Fiume_122461 Reach = C73 RS = 603.337 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

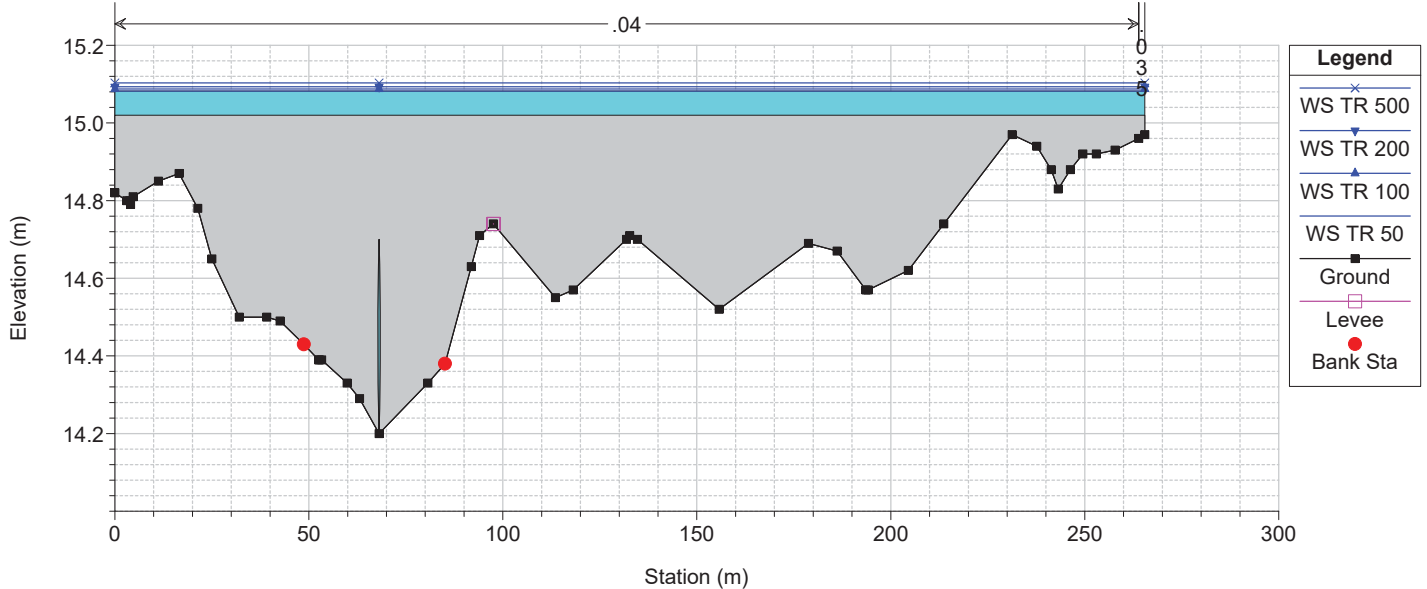
River = Fiume_122461 Reach = C73 RS = 593.618 Culv C74 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

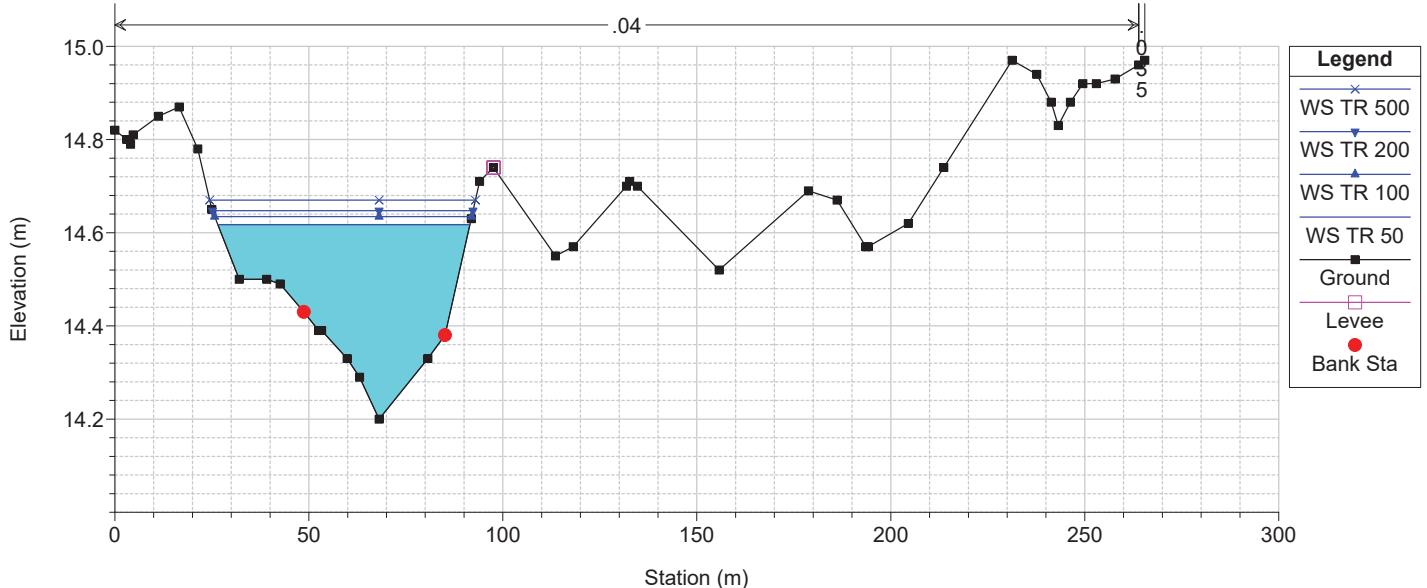
River = Fiume_122461 Reach = C73 RS = 593.618 Culv C74 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

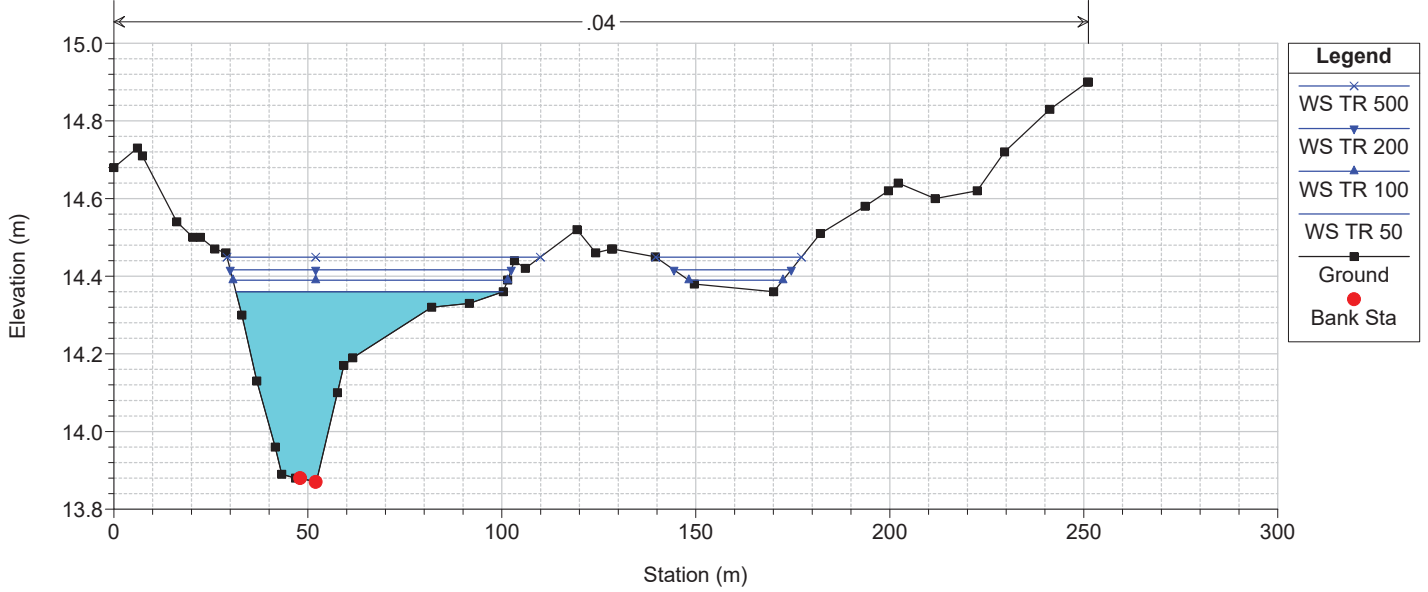
River = Fiume_122461 Reach = C73 RS = 583.3062 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

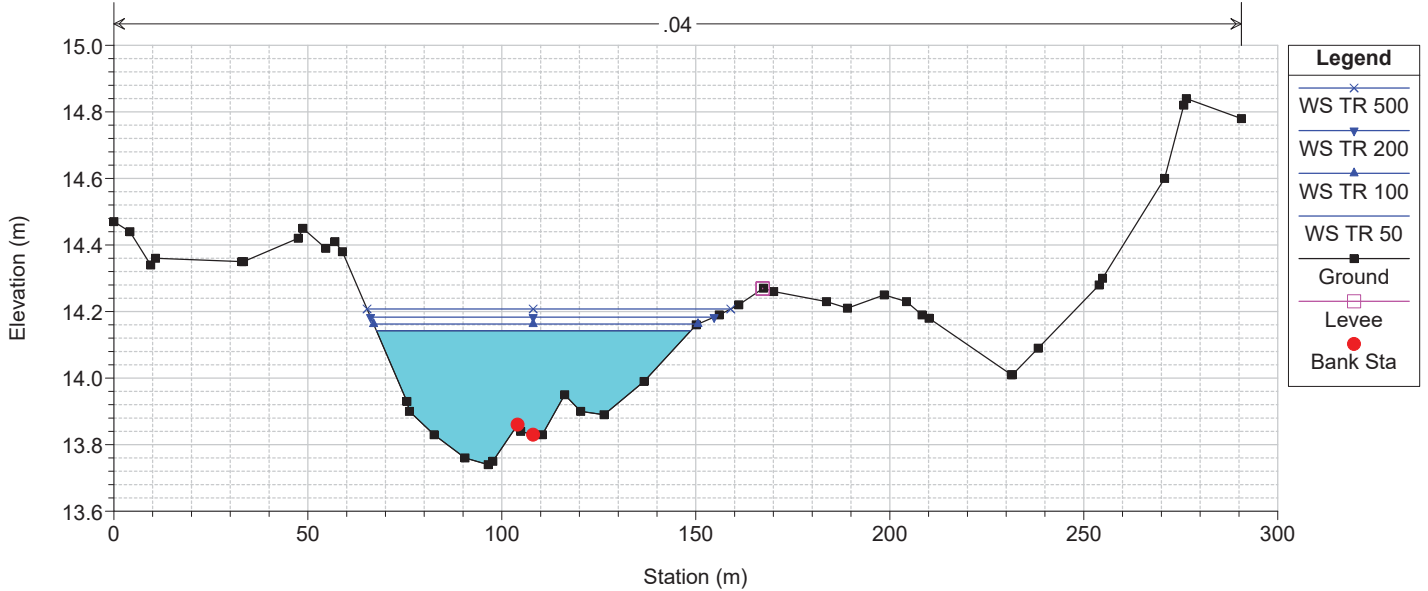
River = Fiume_122461 Reach = C73 RS = 559.9999 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

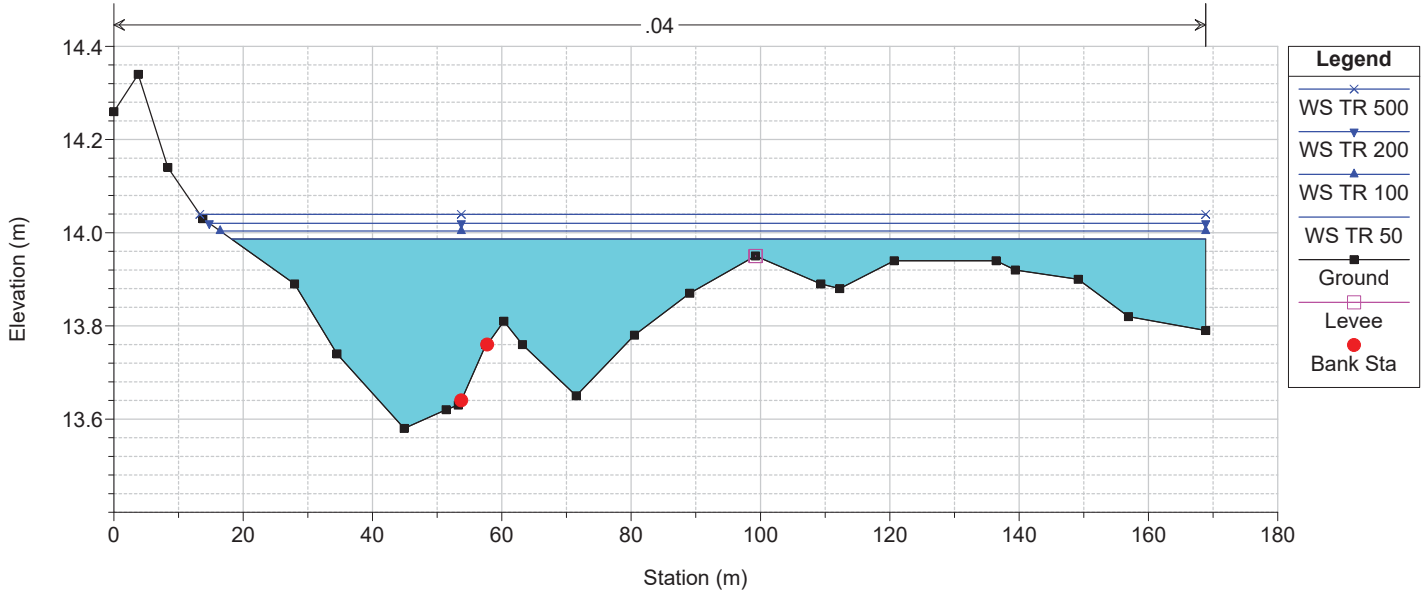
River = Fiume_122461 Reach = C73 RS = 523.5651 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

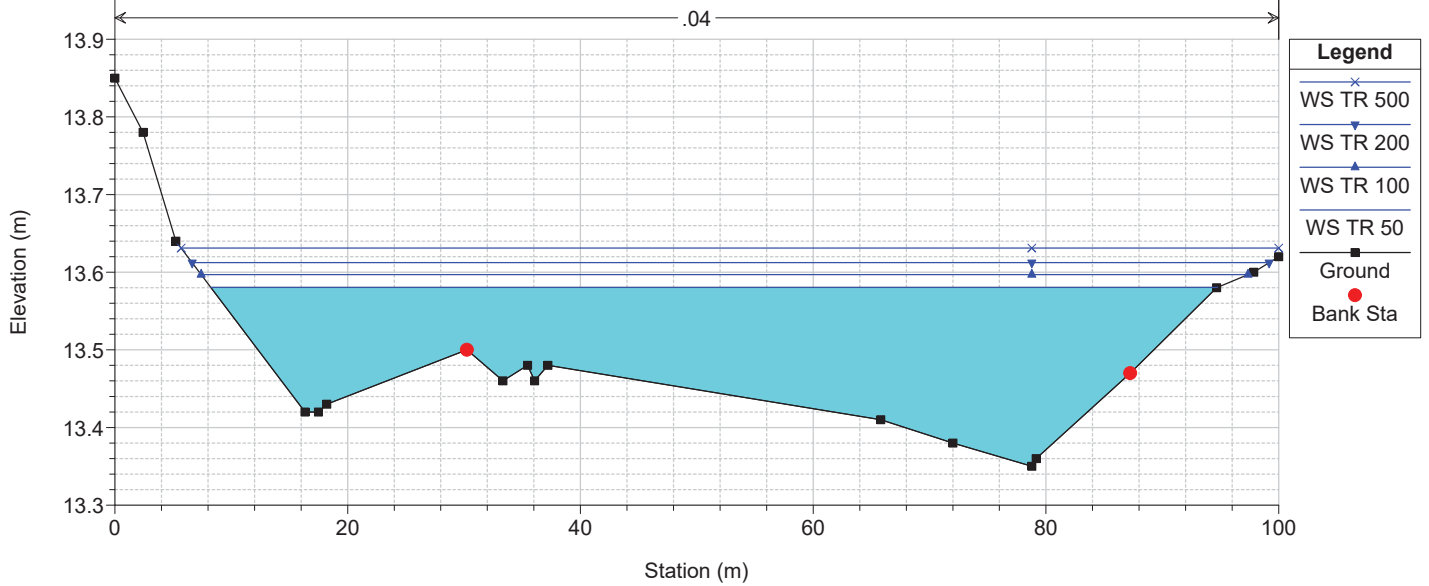
River = Fiume_122461 Reach = C73 RS = 490.2483 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

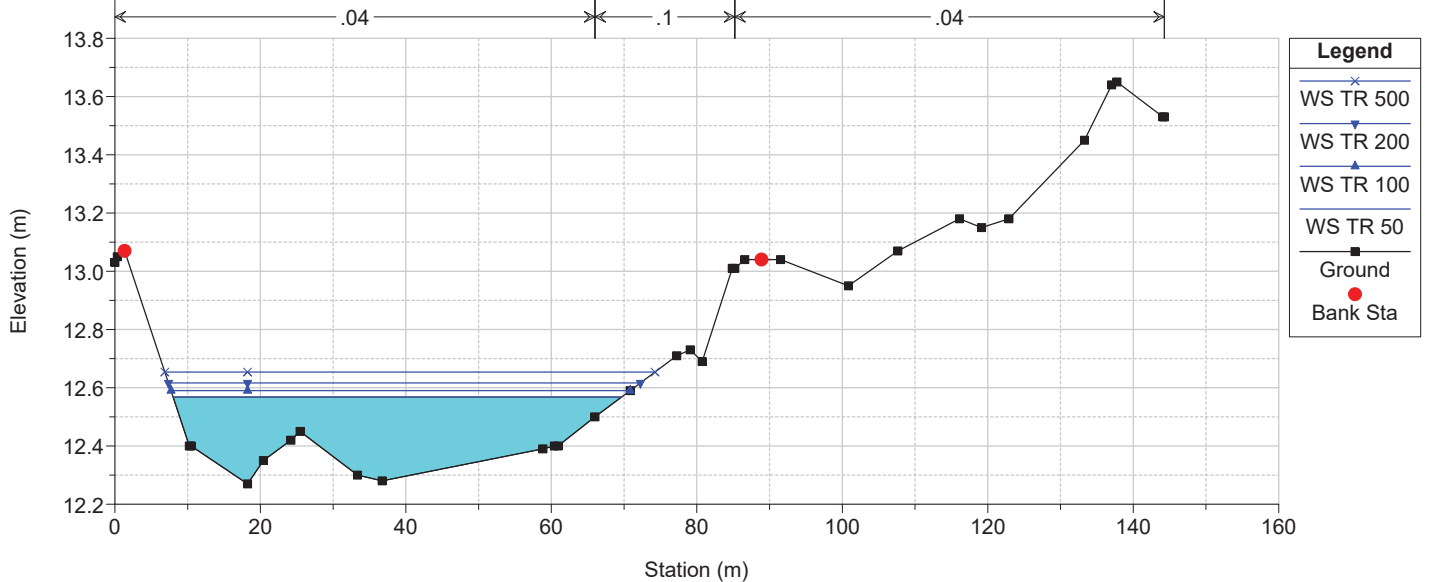
River = Fiume_122461 Reach = C73 RS = 455 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

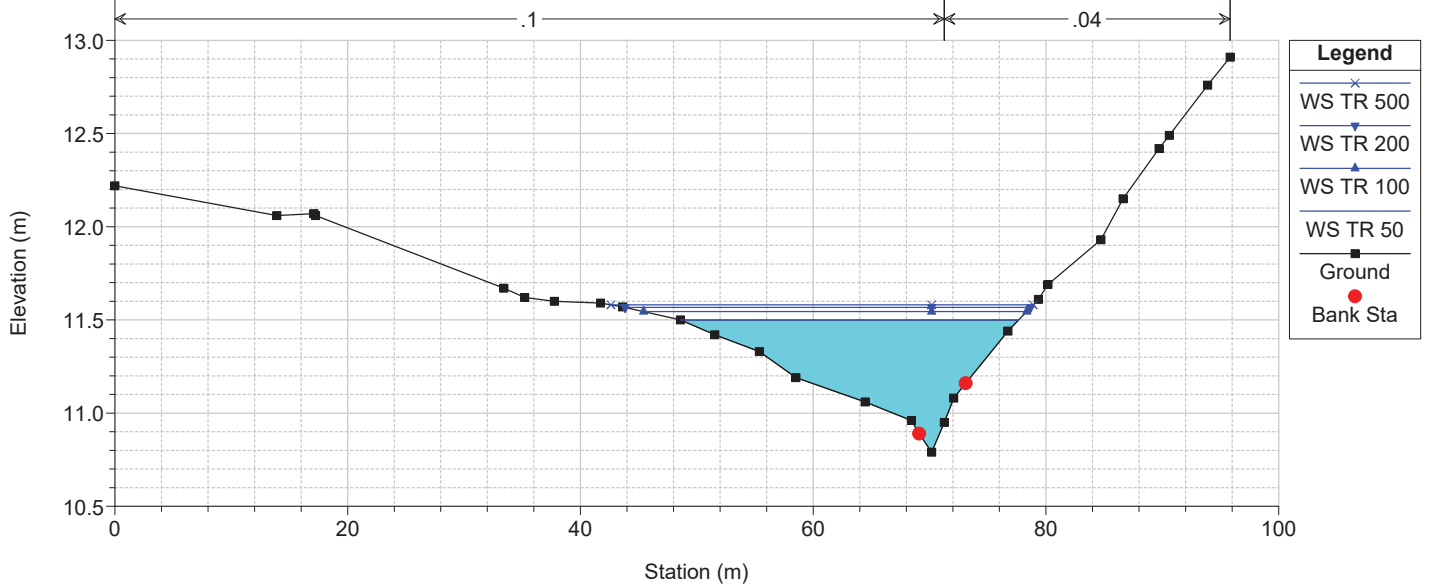
River = Fiume_122461 Reach = C73 RS = 420 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

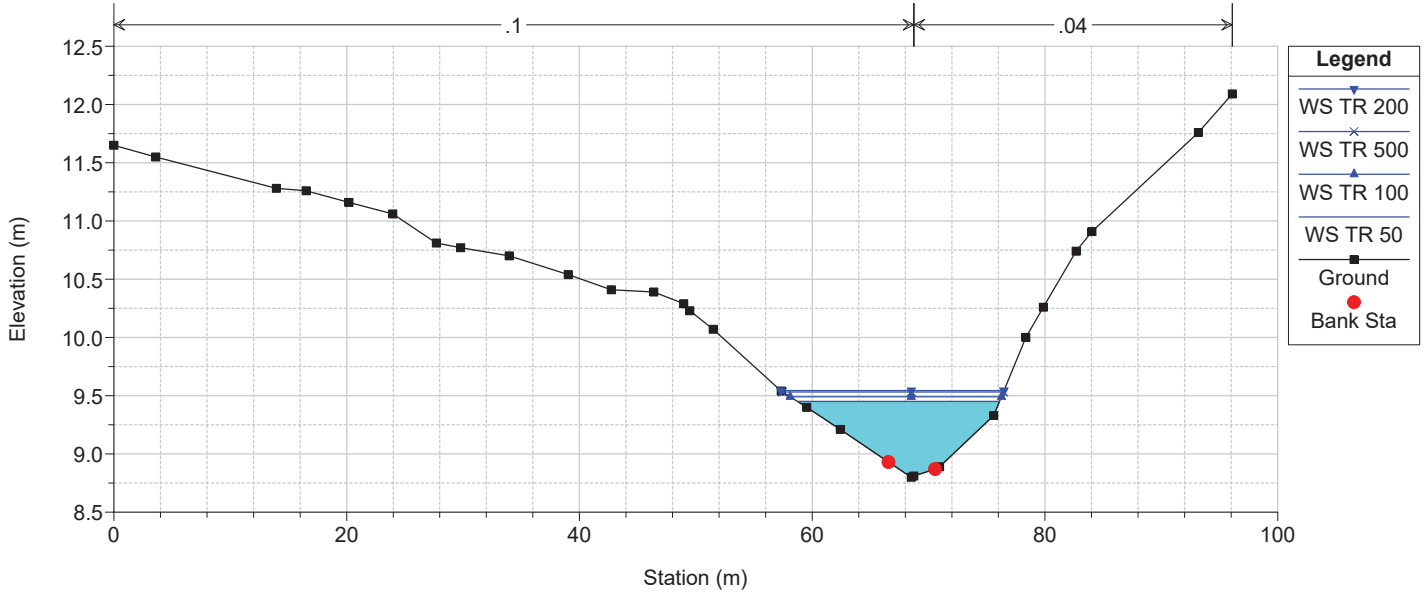
River = Fiume_122461 Reach = C73 RS = 385 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

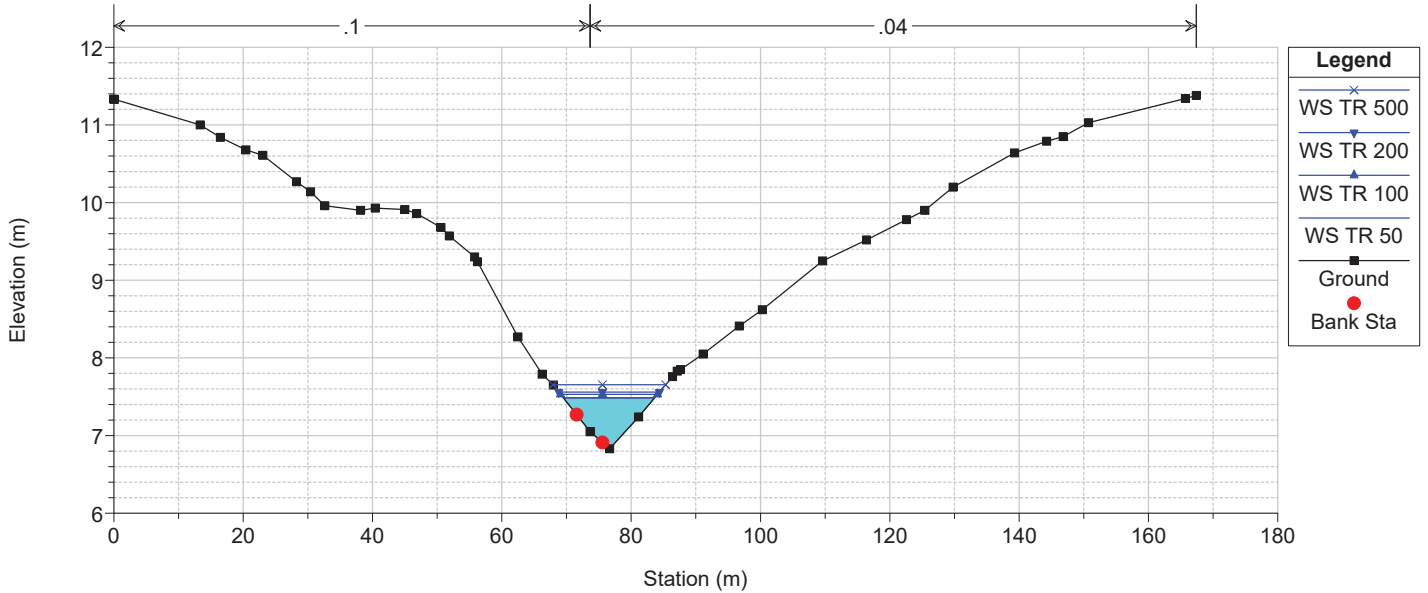
River = Fiume_122461 Reach = C73 RS = 350 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

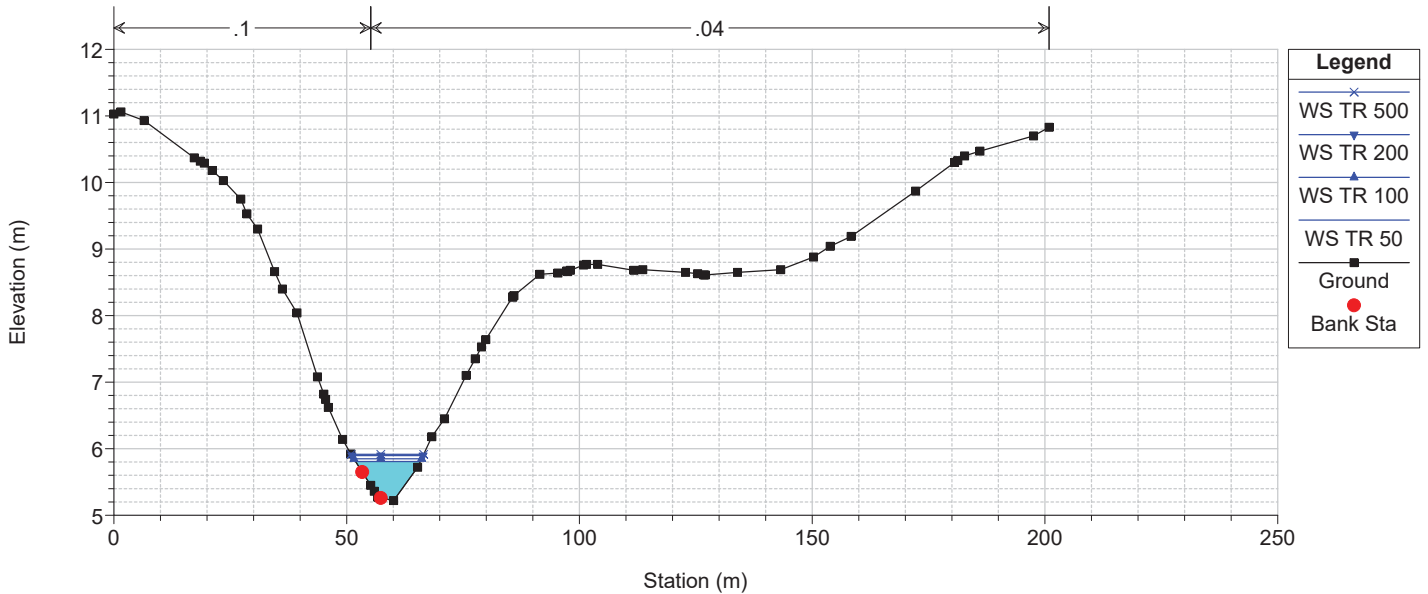
River = Fiume_122461 Reach = C73 RS = 314.0684 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

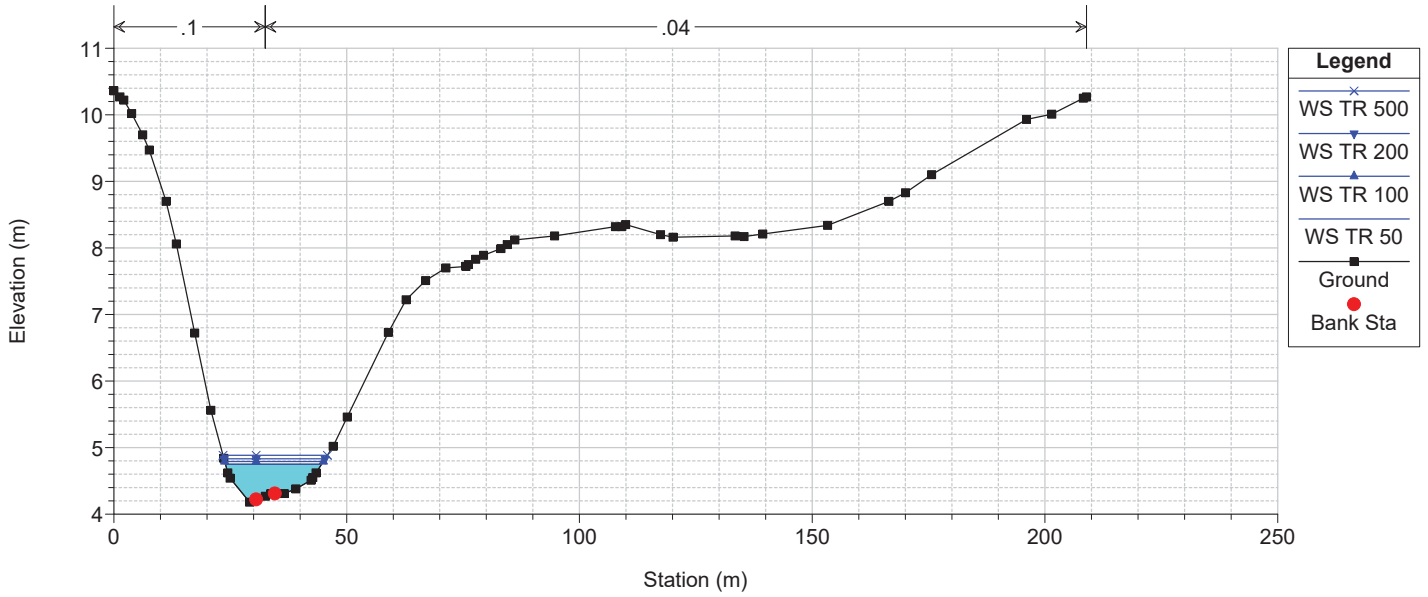
River = Fiume_122461 Reach = C73 RS = 280 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

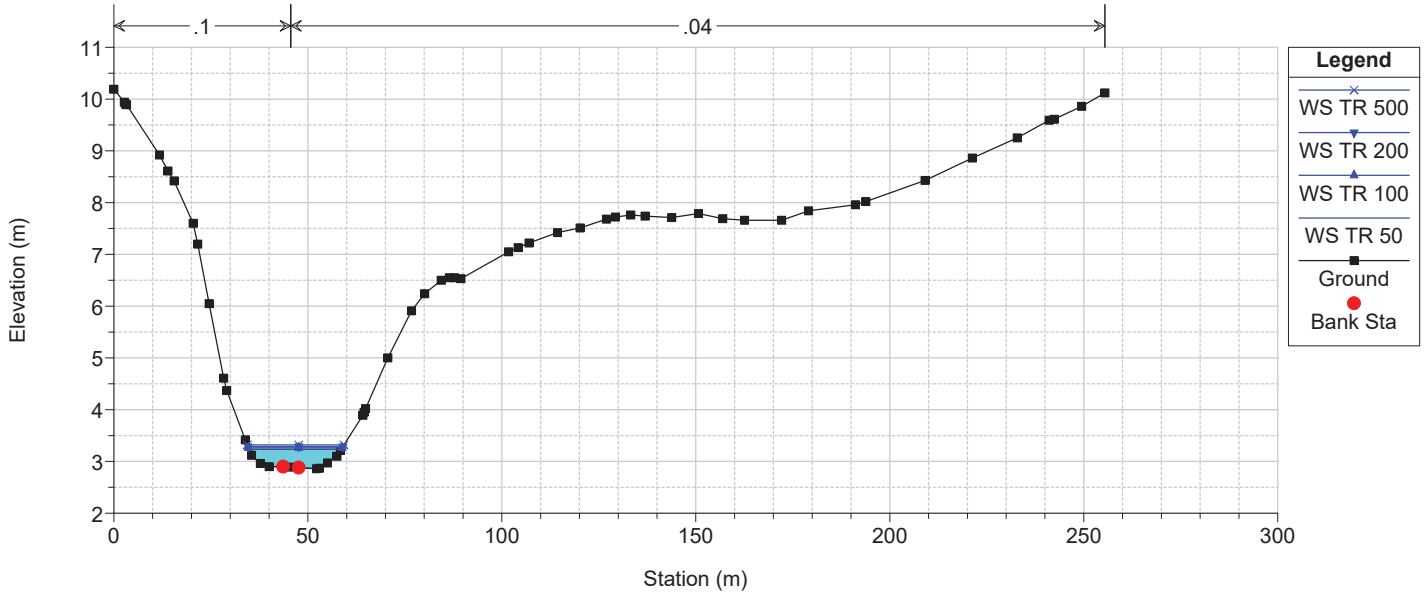
River = Fiume_122461 Reach = C73 RS = 244.9999 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

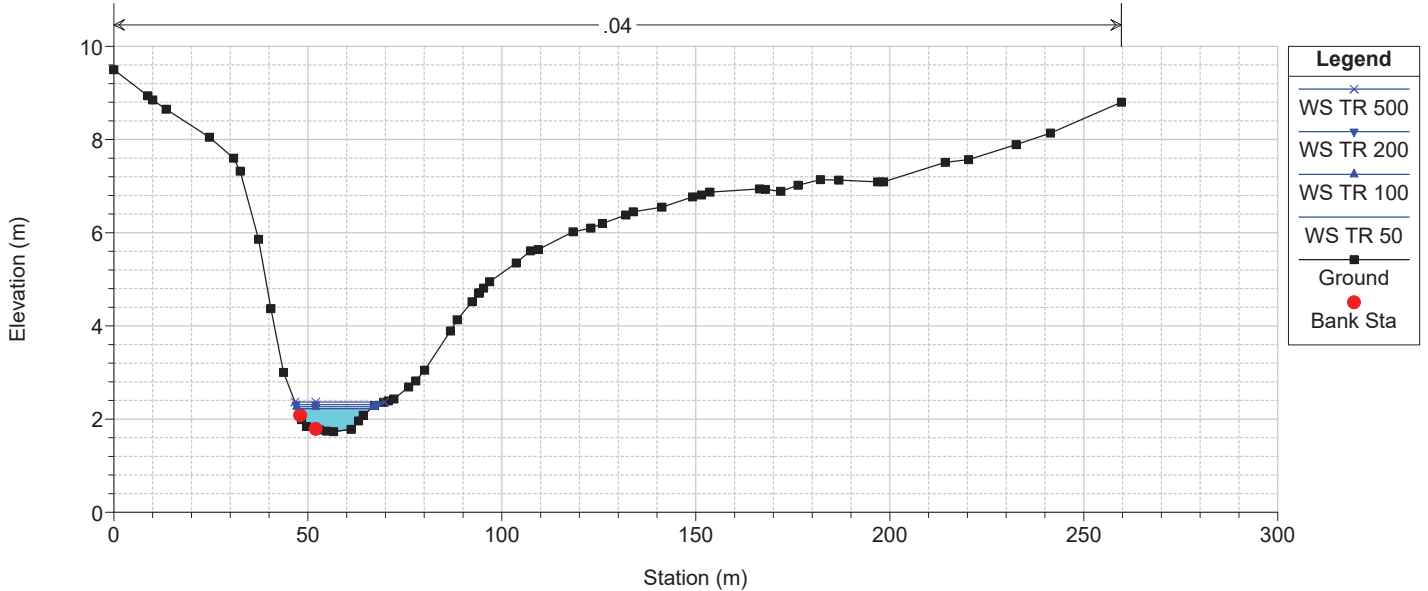
River = Fiume_122461 Reach = C73 RS = 210.0001 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

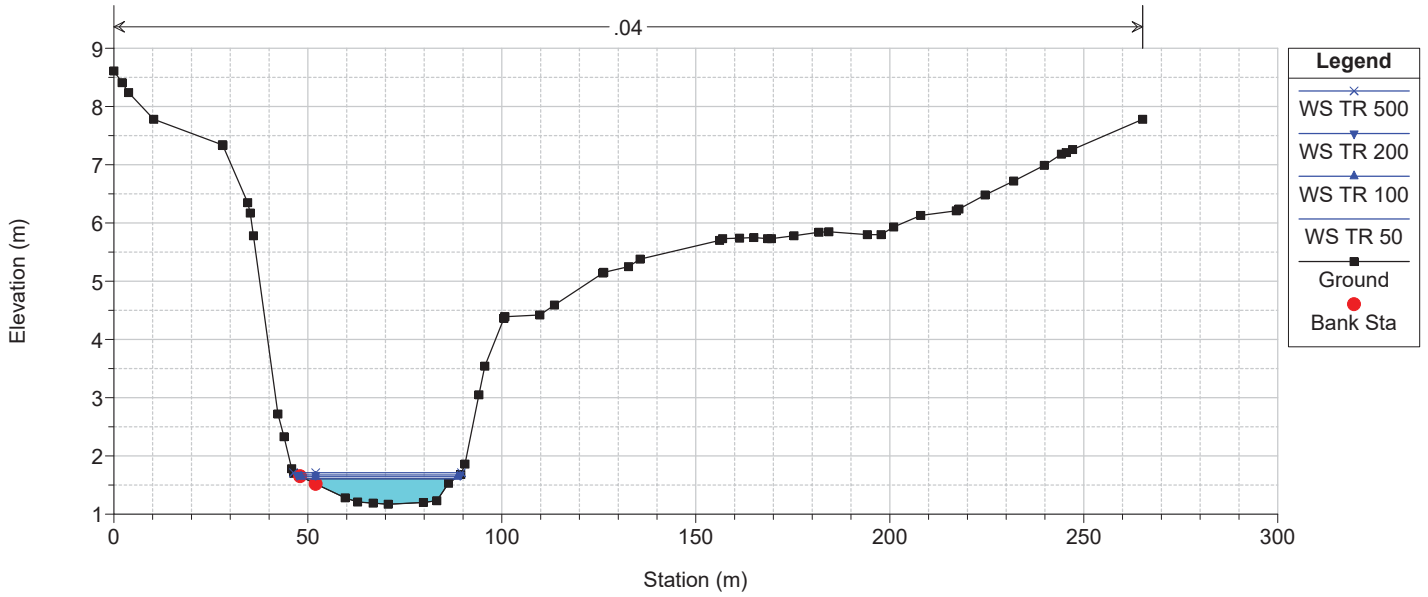
River = Fiume_122461 Reach = C73 RS = 175 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

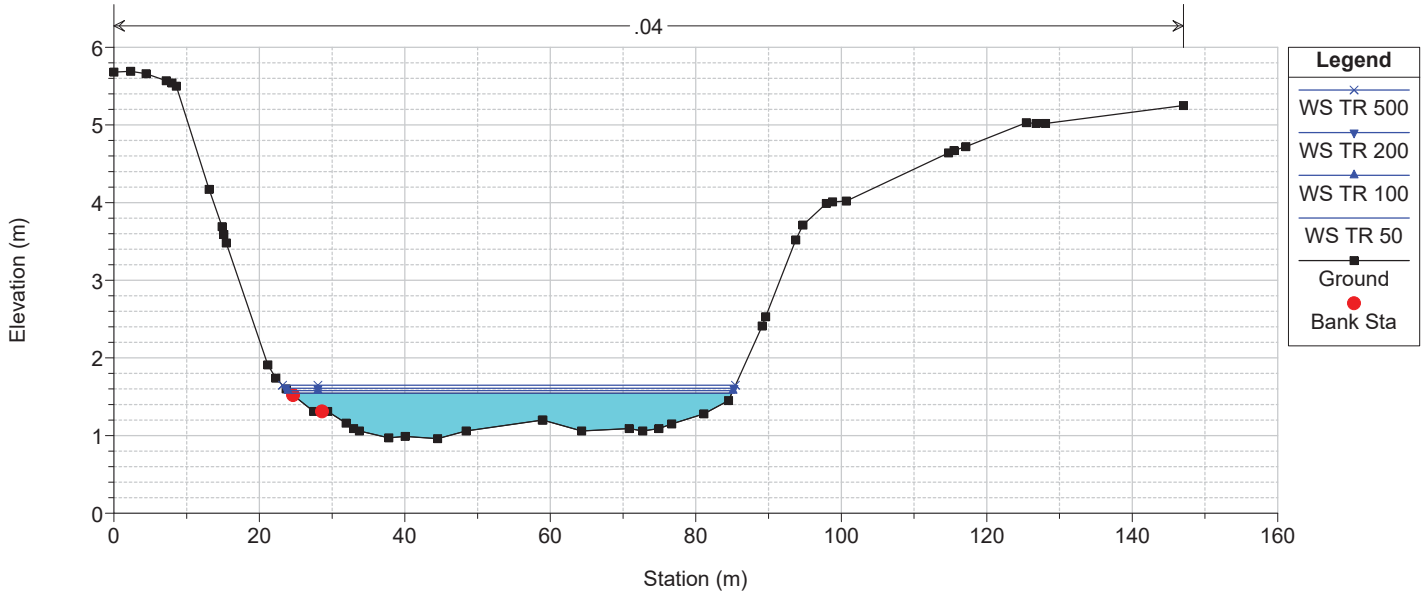
River = Fiume_122461 Reach = C73 RS = 140 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

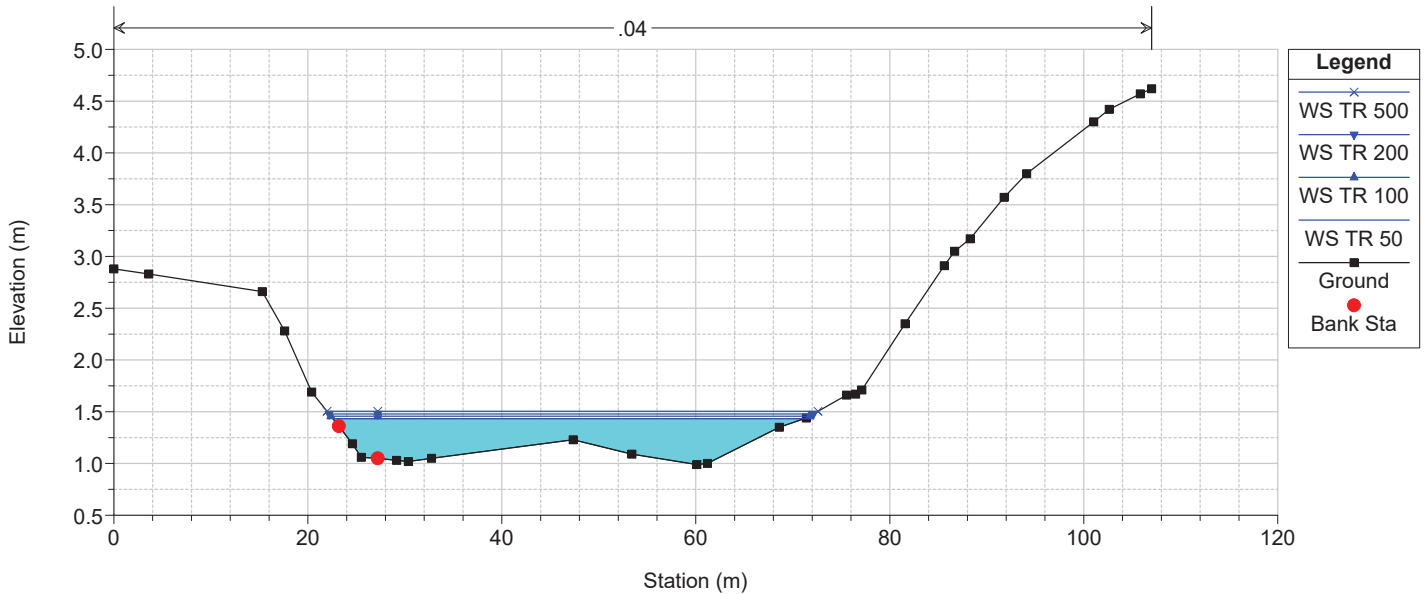
River = Fiume_122461 Reach = C73 RS = 104.9659 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

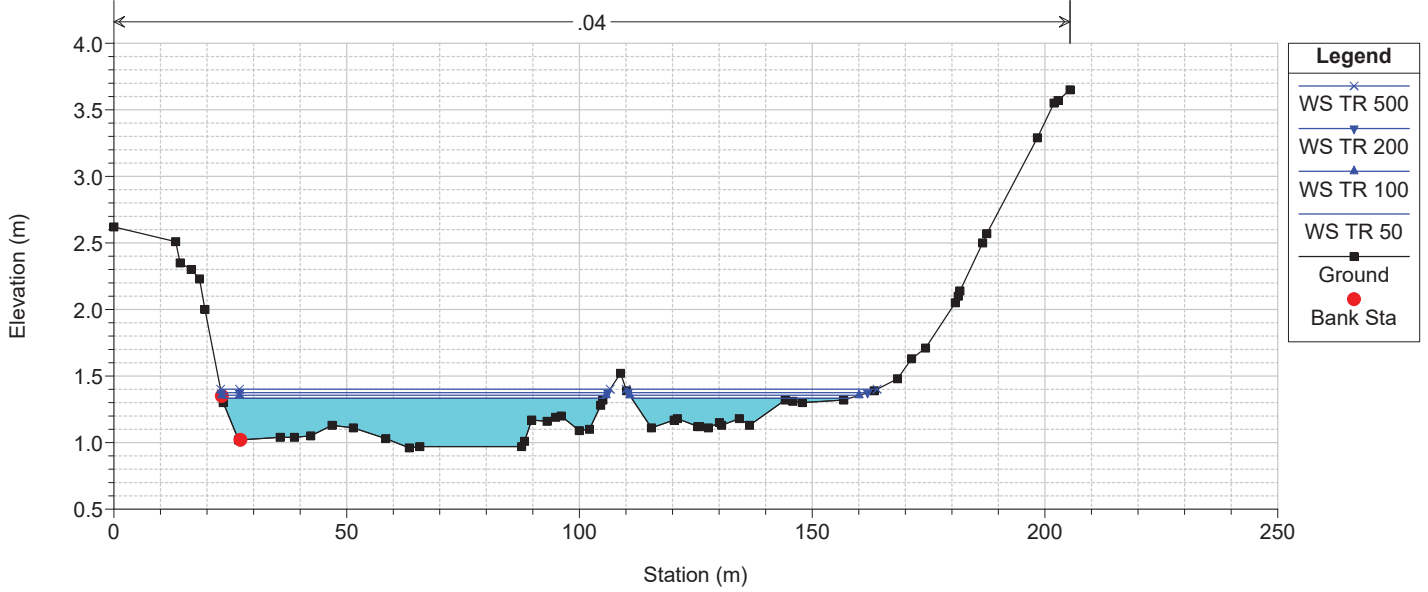
River = Fiume_122461 Reach = C73 RS = 69.89835 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

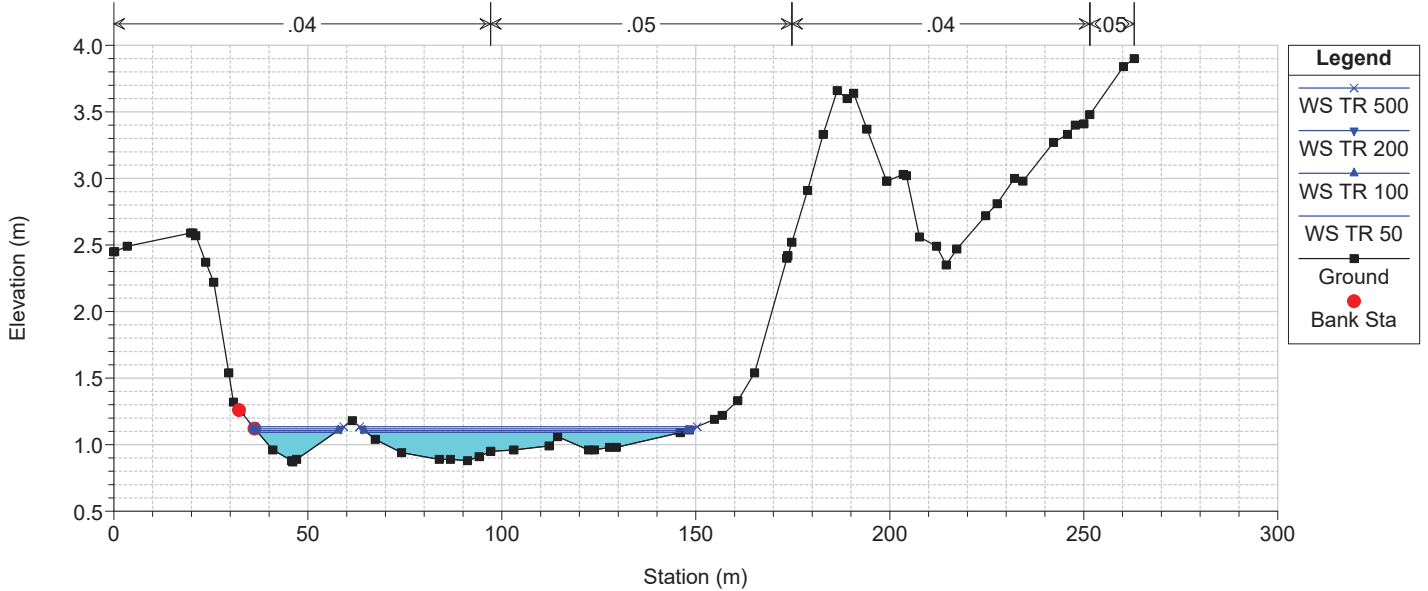
River = Fiume_122461 Reach = C73 RS = 34.90177 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiumi_122461_123265 Plan: Plan 01 4/27/2021

Geom: Fiumi_122461_123265 Flow: Fiumi_122461_123265

River = Fiume_122461 Reach = C73 RS = 1.408123 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



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
C73	1675.607	TR 50	10.67	19.16	19.43	19.40	19.47	0.011382	0.95	13.49	87.26	0.66
C73	1675.607	TR 100	12.35	19.16	19.45	19.41	19.48	0.011634	1.00	14.68	87.26	0.67
C73	1675.607	TR 200	14.05	19.16	19.46	19.43	19.50	0.011697	1.04	15.87	87.26	0.68
C73	1675.607	TR 500	16.34	19.16	19.48	19.43	19.53	0.011405	1.08	17.56	87.26	0.68
C73	1643.803	TR 50	10.67	18.90	19.20		19.22	0.005499	0.82	15.60	71.50	0.48
C73	1643.803	TR 100	12.35	18.90	19.23		19.25	0.004785	0.81	17.82	71.50	0.46
C73	1643.803	TR 200	14.05	18.90	19.26		19.28	0.004320	0.82	19.89	71.50	0.44
C73	1643.803	TR 500	16.34	18.90	19.29		19.32	0.003892	0.83	22.52	71.50	0.43
C73	1609.837	TR 50	10.67	18.68	19.17		19.18	0.000445	0.31	38.56	101.59	0.15
C73	1609.837	TR 100	12.35	18.68	19.21		19.21	0.000459	0.33	41.74	101.59	0.15
C73	1609.837	TR 200	14.05	18.68	19.24		19.24	0.000473	0.35	44.71	101.59	0.16
C73	1609.837	TR 500	16.34	18.68	19.27		19.28	0.000489	0.37	48.50	101.59	0.16
C73	1575	TR 50	10.67	18.33	19.17		19.17	0.000153	0.28	45.60	87.97	0.10
C73	1575	TR 100	12.35	18.33	19.20		19.20	0.000173	0.31	48.28	87.97	0.11
C73	1575	TR 200	14.05	18.33	19.23		19.23	0.000191	0.33	50.79	87.97	0.11
C73	1575	TR 500	16.34	18.33	19.26		19.27	0.000214	0.36	53.98	87.97	0.12
C73	1540	TR 50	10.67	18.33	19.16		19.16	0.000270	0.35	37.49	83.48	0.13
C73	1540	TR 100	12.35	18.33	19.19		19.19	0.000300	0.38	39.97	84.42	0.14
C73	1540	TR 200	14.05	18.33	19.21		19.22	0.000327	0.40	42.29	84.98	0.15
C73	1540	TR 500	16.34	18.33	19.25		19.26	0.000361	0.44	45.28	85.68	0.16
C73	1505	TR 50	10.67	18.19	19.14		19.15	0.000414	0.50	32.63	77.52	0.17
C73	1505	TR 100	12.35	18.19	19.17		19.18	0.000457	0.54	34.81	78.49	0.18
C73	1505	TR 200	14.05	18.19	19.20		19.21	0.000497	0.57	36.87	79.39	0.19
C73	1505	TR 500	16.34	18.19	19.23		19.24	0.000545	0.61	39.53	80.54	0.20
C73	1470	TR 50	10.67	18.26	19.12		19.13	0.001050	0.74	23.36	68.88	0.27
C73	1470	TR 100	12.35	18.26	19.14		19.15	0.001198	0.81	25.07	72.70	0.29
C73	1470	TR 200	14.05	18.26	19.16		19.18	0.001277	0.85	26.78	73.79	0.30
C73	1470	TR 500	16.34	18.26	19.19		19.21	0.001362	0.90	29.02	75.14	0.31
C73	1435	TR 50	10.67	18.35	19.06		19.08	0.001863	0.84	19.98	74.87	0.33
C73	1435	TR 100	12.35	18.35	19.08		19.10	0.002098	0.90	21.23	75.57	0.35
C73	1435	TR 200	14.05	18.35	19.10		19.12	0.002242	0.95	22.66	76.38	0.37
C73	1435	TR 500	16.34	18.35	19.12		19.15	0.002372	1.00	24.64	77.47	0.38
C73	1400	TR 50	10.67	18.08	18.80	18.69	18.94	0.012253	2.15	9.16	53.32	0.87
C73	1400	TR 100	12.35	18.08	18.84	18.70	18.95	0.010579	2.07	11.22	59.18	0.81
C73	1400	TR 200	14.05	18.08	18.86	18.71	18.97	0.009868	2.06	12.88	62.67	0.79
C73	1400	TR 500	16.34	18.08	18.90	18.71	19.00	0.009341	2.06	14.92	66.84	0.77
C73	1365	TR 50	10.67	17.95	18.63		18.67	0.004205	1.25	14.36	53.93	0.51
C73	1365	TR 100	12.35	17.95	18.67		18.71	0.004261	1.30	16.22	61.05	0.52
C73	1365	TR 200	14.05	17.95	18.70		18.74	0.004195	1.33	18.07	65.53	0.52
C73	1365	TR 500	16.34	17.95	18.73		18.77	0.004071	1.35	20.47	69.10	0.51
C73	1329.914	TR 50	10.67	17.78	18.40	18.36	18.48	0.007487	1.62	10.57	43.28	0.68
C73	1329.914	TR 100	12.35	17.78	18.43	18.39	18.51	0.007618	1.69	11.86	46.63	0.69
C73	1329.914	TR 200	14.05	17.78	18.46	18.40	18.54	0.007697	1.74	13.19	50.34	0.70
C73	1329.914	TR 500	16.34	17.78	18.49	18.44	18.58	0.007764	1.81	14.94	54.85	0.71
C73	1295.105	TR 50	10.67	17.49	18.03	18.03	18.13	0.013651	1.91	8.56	40.80	0.89
C73	1295.105	TR 100	12.35	17.49	18.05	18.05	18.16	0.013609	1.97	9.61	43.29	0.89
C73	1295.105	TR 200	14.05	17.49	18.08	18.08	18.19	0.013434	2.02	10.68	45.67	0.89
C73	1295.105	TR 500	16.34	17.49	18.10	18.10	18.22	0.013767	2.11	11.90	48.24	0.91
C73	1260	TR 50	10.67	17.11	17.79	17.60	17.82	0.002460	0.98	14.50	39.26	0.40
C73	1260	TR 100	12.35	17.11	17.82	17.63	17.86	0.002635	1.05	15.68	40.30	0.41
C73	1260	TR 200	14.05	17.11	17.86	17.65	17.89	0.002700	1.09	17.01	41.44	0.42
C73	1260	TR 500	16.34	17.11	17.89	17.68	17.93	0.003011	1.19	18.30	42.98	0.45
C73	1225	TR 50	10.67	16.94	17.77		17.78	0.000537	0.53	26.12	53.73	0.19
C73	1225	TR 100	12.35	16.94	17.80		17.81	0.000618	0.58	27.59	54.86	0.21
C73	1225	TR 200	14.05	16.94	17.83		17.84	0.000675	0.62	29.31	56.17	0.22
C73	1225	TR 500	16.34	16.94	17.86		17.87	0.000809	0.70	30.79	57.88	0.24
C73	1190	TR 50	10.67	16.76	17.77		17.77	0.000118	0.29	51.22	90.17	0.09
C73	1190	TR 100	12.35	16.76	17.80		17.80	0.000141	0.32	53.67	93.19	0.10
C73	1190	TR 200	14.05	16.76	17.83		17.83	0.000164	0.35	56.58	97.95	0.11
C73	1190	TR 500	16.34	16.76	17.85		17.86	0.000195	0.39	59.07	99.33	0.12
C73	1162.912	TR 50	10.67	16.43	17.77		17.77	0.000059	0.24	63.04	100.00	0.07
C73	1162.912	TR 100	12.35	16.43	17.79		17.80	0.000070	0.27	65.68	100.00	0.07
C73	1162.912	TR 200	14.05	16.43	17.83		17.83	0.000079	0.29	68.71	100.00	0.08
C73	1162.912	TR 500	16.34	16.43	17.85		17.85	0.000096	0.32	71.19	100.00	0.09
C73	1151.453	TR 50	10.67	16.11	17.77	16.85	17.77	0.000066	0.30	61.27	94.00	0.07
C73	1151.453	TR 100	12.35	16.11	17.79	16.91	17.80	0.000078	0.33	63.74	94.00	0.08
C73	1151.453	TR 200	14.05	16.11	17.82	16.95	17.83	0.000088	0.35	66.57	94.00	0.09

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
C73	1151.453	TR 500	16.34	16.11	17.85	16.97	17.85	0.000108	0.39	68.88	94.00	0.10
C73	1144.226		Culvert									
C73	1138.579	TR 50	10.67	16.10	16.88	16.88	17.04	0.010235	1.92	7.12	28.53	0.82
C73	1138.579	TR 100	12.35	16.10	16.96	16.96	17.08	0.007207	1.76	10.16	43.74	0.70
C73	1138.579	TR 200	14.05	16.10	16.99	16.99	17.11	0.007348	1.82	11.40	46.53	0.72
C73	1138.579	TR 500	16.34	16.10	17.02	17.02	17.15	0.007304	1.88	13.15	49.92	0.72
C73	1119.886	TR 50	10.67	16.03	16.63	16.57	16.69	0.006161	1.38	11.56	59.00	0.62
C73	1119.886	TR 100	12.35	16.03	16.48	16.61	16.80	0.039435	2.80	5.61	26.95	1.49
C73	1119.886	TR 200	14.05	16.03	16.51	16.64	16.83	0.036987	2.85	6.43	30.37	1.47
C73	1119.886	TR 500	16.34	16.03	16.55	16.67	16.88	0.034691	2.93	7.61	38.31	1.44
C73	1085.105	TR 50	10.67	15.86	16.23	16.23	16.34	0.019648	1.70	8.21	42.33	0.95
C73	1085.105	TR 100	12.35	15.86	16.26	16.26	16.37	0.018971	1.75	9.34	45.71	0.95
C73	1085.105	TR 200	14.05	15.86	16.28	16.28	16.39	0.018490	1.81	10.43	48.77	0.95
C73	1085.105	TR 500	16.34	15.86	16.31	16.31	16.43	0.017933	1.87	11.88	52.54	0.94
C73	1050.375	TR 50	10.67	15.76	15.92	15.92	15.93	0.002261	0.32	30.73	196.73	0.28
C73	1050.375	TR 100	12.35	15.76	15.92	15.92	15.93	0.003033	0.37	30.72	196.73	0.32
C73	1050.375	TR 200	14.05	15.76	15.92	15.92	15.93	0.003923	0.42	30.72	196.73	0.37
C73	1050.375	TR 500	16.34	15.76	15.92	15.92	15.94	0.004847	0.48	31.58	196.93	0.41
C73	1014.549	TR 50	10.67	15.42	15.77	15.62	15.78	0.001727	0.48	25.38	114.08	0.27
C73	1014.549	TR 100	12.35	15.42	15.79	15.64	15.80	0.001803	0.51	27.61	115.91	0.28
C73	1014.549	TR 200	14.05	15.42	15.81	15.65	15.82	0.001875	0.54	29.73	118.16	0.29
C73	1014.549	TR 500	16.34	15.42	15.83	15.67	15.84	0.001637	0.52	37.23	158.55	0.27
C73	980.6778	TR 50	10.67	15.30	15.74		15.74	0.000691	0.36	39.30	168.34	0.18
C73	980.6778	TR 100	12.35	15.30	15.76		15.76	0.000740	0.38	42.31	170.39	0.19
C73	980.6778	TR 200	14.05	15.30	15.77		15.78	0.000786	0.41	45.15	172.66	0.20
C73	980.6778	TR 500	16.34	15.30	15.80		15.80	0.000835	0.43	49.07	177.31	0.21
C73	946.6714	TR 50	10.67	15.21	15.70		15.71	0.001816	0.63	31.69	188.95	0.30
C73	946.6714	TR 100	12.35	15.21	15.72		15.72	0.001850	0.65	34.75	191.65	0.30
C73	946.6714	TR 200	14.05	15.21	15.73		15.74	0.001884	0.67	37.63	194.17	0.31
C73	946.6714	TR 500	16.34	15.21	15.75		15.76	0.001860	0.68	41.78	197.75	0.31
C73	908.9079	TR 50	10.67	14.98	15.51	15.41	15.57	0.010273	1.42	13.31	103.07	0.70
C73	908.9079	TR 100	12.35	14.98	15.53	15.52	15.59	0.009548	1.42	15.68	116.56	0.68
C73	908.9079	TR 200	14.05	14.98	15.55	15.54	15.60	0.009086	1.42	17.84	125.08	0.67
C73	908.9079	TR 500	16.34	14.98	15.58	15.55	15.63	0.008726	1.44	21.25	137.10	0.66
C73	875.0496	TR 50	10.67	14.97	15.34		15.36	0.003584	0.69	18.60	101.13	0.39
C73	875.0496	TR 100	12.35	14.97	15.36		15.39	0.003668	0.73	20.70	106.35	0.40
C73	875.0496	TR 200	14.05	14.97	15.39		15.41	0.003581	0.75	23.12	112.06	0.40
C73	875.0496	TR 500	16.34	14.97	15.41		15.44	0.003625	0.79	25.91	118.27	0.41
C73	840.438	TR 50	10.67	14.74	15.25		15.26	0.002476	0.72	25.40	155.57	0.35
C73	840.438	TR 100	12.35	14.74	15.27		15.29	0.002268	0.72	29.48	162.22	0.33
C73	840.438	TR 200	14.05	14.74	15.30		15.31	0.002278	0.74	33.44	176.10	0.34
C73	840.438	TR 500	16.34	14.74	15.33		15.34	0.002061	0.74	39.10	187.80	0.32
C73	805.1126	TR 50	12.99	14.70	15.20		15.21	0.001007	0.44	33.50	130.99	0.22
C73	805.1126	TR 100	15.14	14.70	15.22		15.23	0.001117	0.48	36.59	146.11	0.23
C73	805.1126	TR 200	17.30	14.70	15.24		15.25	0.001204	0.51	39.63	152.44	0.24
C73	805.1126	TR 500	20.21	14.70	15.27		15.28	0.001272	0.55	44.16	165.37	0.25
C73	769.746	TR 50	12.99	14.60	15.16		15.17	0.001027	0.49	36.59	142.77	0.23
C73	769.746	TR 100	15.14	14.60	15.18		15.19	0.001154	0.54	39.21	145.79	0.24
C73	769.746	TR 200	17.30	14.60	15.20		15.21	0.001276	0.58	41.69	153.67	0.26
C73	769.746	TR 500	20.21	14.60	15.22		15.23	0.001502	0.64	45.41	169.58	0.28
C73	735.5111	TR 50	12.99	14.55	15.14		15.15	0.000473	0.32	47.63	141.91	0.15
C73	735.5111	TR 100	15.14	14.55	15.16		15.16	0.000567	0.36	49.72	144.24	0.17
C73	735.5111	TR 200	17.30	14.55	15.17		15.18	0.000664	0.39	51.62	146.31	0.18
C73	735.5111	TR 500	20.21	14.55	15.19		15.20	0.000783	0.44	54.26	149.15	0.20
C73	700.3754	TR 50	12.99	14.18	15.14		15.14	0.000107	0.23	74.33	150.38	0.08
C73	700.3754	TR 100	15.14	14.18	15.15		15.15	0.000136	0.27	76.33	151.88	0.09
C73	700.3754	TR 200	17.30	14.18	15.16		15.17	0.000166	0.30	78.10	152.85	0.10
C73	700.3754	TR 500	20.21	14.18	15.18		15.18	0.000208	0.34	80.55	154.19	0.11
C73	665.7804	TR 50	12.99	14.14	15.14		15.14	0.000073	0.21	91.31	216.63	0.07
C73	665.7804	TR 100	15.14	14.14	15.15		15.15	0.000092	0.23	94.08	223.69	0.08
C73	665.7804	TR 200	17.30	14.14	15.16		15.16	0.000113	0.26	96.55	229.79	0.08
C73	665.7804	TR 500	20.21	14.14	15.17		15.18	0.000141	0.29	100.05	237.17	0.09
C73	630.0001	TR 50	12.99	14.39	15.13		15.13	0.000068	0.16	102.99	243.34	0.06
C73	630.0001	TR 100	15.14	14.39	15.15		15.15	0.000086	0.18	105.93	245.73	0.07
C73	630.0001	TR 200	17.30	14.39	15.16		15.16	0.000105	0.21	108.46	247.77	0.08
C73	630.0001	TR 500	20.21	14.39	15.17		15.17	0.000131	0.23	111.98	250.58	0.09

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
C73	603.337	TR 50	12.99	14.22	15.13	14.55	15.13	0.000061	0.17	108.32	260.70	0.06
C73	603.337	TR 100	15.14	14.22	15.14	14.58	15.14	0.000077	0.19	111.35	263.34	0.07
C73	603.337	TR 200	17.30	14.22	15.15	14.60	15.15	0.000095	0.21	113.94	265.98	0.08
C73	603.337	TR 500	20.21	14.22	15.17	14.62	15.17	0.000119	0.24	117.54	269.47	0.08
C73	593.618		Culvert									
C73	583.3062	TR 50	12.99	14.20	14.62	14.56	14.66	0.007965	1.01	14.41	64.98	0.58
C73	583.3062	TR 100	15.14	14.20	14.63	14.57	14.69	0.008704	1.10	15.56	66.26	0.62
C73	583.3062	TR 200	17.30	14.20	14.65	14.60	14.71	0.009767	1.19	16.40	67.21	0.66
C73	583.3062	TR 500	20.21	14.20	14.67	14.62	14.74	0.010293	1.28	17.93	68.49	0.68
C73	559.9999	TR 50	12.99	13.87	14.36	14.34	14.44	0.011657	1.67	12.55	68.86	0.76
C73	559.9999	TR 100	15.14	13.87	14.39	14.38	14.46	0.010622	1.65	15.08	95.09	0.74
C73	559.9999	TR 200	17.30	13.87	14.42	14.40	14.48	0.009759	1.64	17.71	102.68	0.71
C73	559.9999	TR 500	20.21	13.87	14.45	14.42	14.51	0.009222	1.66	21.33	118.29	0.70
C73	523.5651	TR 50	12.99	13.83	14.14	14.03	14.17	0.004685	0.77	19.27	80.99	0.45
C73	523.5651	TR 100	15.14	13.83	14.16	14.05	14.19	0.005046	0.84	20.93	83.61	0.47
C73	523.5651	TR 200	17.30	13.83	14.18	14.07	14.21	0.005354	0.90	22.73	88.55	0.49
C73	523.5651	TR 500	20.21	13.83	14.21	14.09	14.24	0.005731	0.97	24.97	93.75	0.51
C73	490.2483	TR 50	12.99	13.64	13.99	13.90	14.00	0.004979	0.76	23.92	150.70	0.46
C73	490.2483	TR 100	15.14	13.64	14.00	13.92	14.02	0.005009	0.79	26.52	152.44	0.46
C73	490.2483	TR 200	17.30	13.64	14.02	13.93	14.04	0.005000	0.82	29.04	154.11	0.47
C73	490.2483	TR 500	20.21	13.64	14.04	13.97	14.06	0.005037	0.86	32.07	155.58	0.47
C73	455	TR 50	12.99	13.35	13.58	13.58	13.65	0.029160	1.21	11.39	86.49	1.00
C73	455	TR 100	15.14	13.35	13.60	13.60	13.67	0.027572	1.26	12.83	89.95	0.98
C73	455	TR 200	17.30	13.35	13.61	13.61	13.69	0.026223	1.31	14.25	92.54	0.97
C73	455	TR 500	20.21	13.35	13.63	13.63	13.72	0.025047	1.36	16.01	94.31	0.97
C73	420	TR 50	12.99	12.27	12.57	12.53	12.63	0.015069	1.07	12.18	61.66	0.77
C73	420	TR 100	15.14	12.27	12.59	12.55	12.65	0.014705	1.12	13.55	63.13	0.77
C73	420	TR 200	17.30	12.27	12.62	12.57	12.68	0.013451	1.14	15.22	64.87	0.75
C73	420	TR 500	20.21	12.27	12.65	12.59	12.72	0.011637	1.14	17.70	67.37	0.71
C73	385	TR 50	12.99	10.79	11.50	11.50	11.67	0.060802	2.42	8.82	29.03	1.05
C73	385	TR 100	15.14	10.79	11.54	11.54	11.72	0.058155	2.52	10.23	32.92	1.05
C73	385	TR 200	17.30	10.79	11.57	11.57	11.77	0.063884	2.71	10.99	34.86	1.11
C73	385	TR 500	20.21	10.79	11.58	11.58	11.84	0.079059	3.07	11.47	36.28	1.24
C73	350	TR 50	12.99	8.80	9.45	9.52	9.76	0.048405	2.67	6.24	17.34	1.10
C73	350	TR 100	15.14	8.80	9.49	9.58	9.84	0.048955	2.80	6.97	18.16	1.12
C73	350	TR 200	17.30	8.80	9.54	9.62	9.90	0.044744	2.82	7.97	19.20	1.08
C73	350	TR 500	20.21	8.80	9.53	9.69	10.04	0.066116	3.39	7.73	18.97	1.31
C73	314.0684	TR 50	12.99	6.91	7.49	7.60	7.88	0.050375	2.53	4.88	14.13	1.26
C73	314.0684	TR 100	15.14	6.91	7.53	7.65	7.95	0.049794	2.65	5.53	15.00	1.25
C73	314.0684	TR 200	17.30	6.91	7.56	7.70	8.04	0.053268	2.82	5.98	15.58	1.29
C73	314.0684	TR 500	20.21	6.91	7.65	7.77	8.08	0.040600	2.71	7.51	17.42	1.14
C73	280	TR 50	12.99	5.26	5.81	5.91	6.18	0.043533	2.45	4.94	13.91	1.27
C73	280	TR 100	15.14	5.26	5.85	5.96	6.26	0.043924	2.57	5.52	14.55	1.27
C73	280	TR 200	17.30	5.26	5.90	6.01	6.32	0.041617	2.64	6.23	15.29	1.23
C73	280	TR 500	20.21	5.26	5.92	6.07	6.44	0.049763	2.94	6.55	15.62	1.35
C73	244.9999	TR 50	12.99	4.22	4.75	4.75	4.94	0.034592	1.93	7.61	20.64	0.89
C73	244.9999	TR 100	15.14	4.22	4.79	4.79	5.00	0.033684	2.02	8.47	21.18	0.89
C73	244.9999	TR 200	17.30	4.22	4.83	4.83	5.05	0.032466	2.09	9.35	21.72	0.89
C73	244.9999	TR 500	20.21	4.22	4.89	4.89	5.12	0.030881	2.17	10.53	22.41	0.89
C73	210.0001	TR 50	12.99	2.88	3.24	3.29	3.48	0.051206	2.00	6.99	23.75	1.08
C73	210.0001	TR 100	15.14	2.88	3.27	3.33	3.54	0.052661	2.13	7.65	24.14	1.11
C73	210.0001	TR 200	17.30	2.88	3.29	3.37	3.60	0.054822	2.27	8.25	24.47	1.14
C73	210.0001	TR 500	20.21	2.88	3.32	3.42	3.67	0.057805	2.44	8.98	24.88	1.19
C73	175	TR 50	12.99	1.79	2.22	2.22	2.41	0.021718	1.85	6.85	18.93	0.99
C73	175	TR 100	15.14	1.79	2.27	2.27	2.47	0.021282	1.97	7.67	19.72	1.00
C73	175	TR 200	17.30	1.79	2.31	2.31	2.52	0.020825	2.09	8.57	20.98	1.00
C73	175	TR 500	20.21	1.79	2.37	2.37	2.59	0.020800	2.26	9.78	23.12	1.02
C73	140	TR 50	12.99	1.52	1.61	1.50	1.67	0.008123	0.28	12.08	38.56	0.43
C73	140	TR 100	15.14	1.52	1.64	1.53	1.71	0.008109	0.35	13.43	40.34	0.45
C73	140	TR 200	17.30	1.52	1.67	1.56	1.75	0.008104	0.45	14.74	42.03	0.48
C73	140	TR 500	20.21	1.52	1.71	1.59	1.79	0.007972	0.57	16.44	43.32	0.51
C73	104.9659	TR 50	12.99	1.31	1.54		1.56	0.001380	0.27	24.87	60.61	0.22
C73	104.9659	TR 100	15.14	1.31	1.58		1.59	0.001457	0.32	26.91	61.17	0.23
C73	104.9659	TR 200	17.30	1.31	1.61		1.63	0.001532	0.36	28.79	61.67	0.24
C73	104.9659	TR 500	20.21	1.31	1.65		1.67	0.001611	0.41	31.25	62.26	0.26

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
C73	69.89835	TR 50	12.99	1.05	1.43		1.48	0.006397	0.87	14.48	48.63	0.52
C73	69.89835	TR 100	15.14	1.05	1.46		1.51	0.006863	0.95	15.62	49.34	0.54
C73	69.89835	TR 200	17.30	1.05	1.48		1.53	0.007310	1.02	16.68	49.92	0.57
C73	69.89835	TR 500	20.21	1.05	1.50		1.57	0.007909	1.11	17.97	50.62	0.60
C73	34.90177	TR 50	12.99	1.02	1.33	1.19	1.34	0.002176	0.37	28.45	128.83	0.28
C73	34.90177	TR 100	15.14	1.02	1.36		1.37	0.002238	0.40	31.31	131.82	0.29
C73	34.90177	TR 200	17.30	1.02	1.38		1.39	0.002312	0.43	33.93	134.52	0.30
C73	34.90177	TR 500	20.21	1.02	1.40		1.42	0.002359	0.47	37.46	137.54	0.31
C73	1.408123	TR 50	12.99	1.12	1.09	1.09	1.15	0.035101		11.91	101.06	0.00
C73	1.408123	TR 100	15.14	1.12	1.11	1.11	1.17	0.034728		13.34	104.39	0.00
C73	1.408123	TR 200	17.30	1.12	1.12	1.12	1.19	0.034075		14.75	107.25	0.00
C73	1.408123	TR 500	20.21	1.12	1.14	1.14	1.21	0.033912	0.18	16.45	110.39	0.65

Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q Culv Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	Culv Vel US (m/s)	Culv Vel DS (m/s)
C73	1144.226 Culvert #1	TR 50	17.77	17.77	17.80	17.77	17.66	5.15	5.52	0.89	3.50	3.50
C73	1144.226 Culvert #1	TR 100	17.80	17.79	17.82	17.80	17.66	4.99	7.36	0.84	3.40	3.40
C73	1144.226 Culvert #1	TR 200	17.83	17.82	17.84	17.83	17.66	5.00	8.94	0.84	3.40	3.40
C73	1144.226 Culvert #1	TR 500	17.85	17.85	17.88	17.85	17.66	4.97	11.37	0.83	3.38	3.38
C73	593.618 Culvert #1	TR 50	15.13	15.13	15.13	15.13	15.02	0.32	12.84	0.51	1.65	1.85
C73	593.618 Culvert #1	TR 100	15.14	15.14	15.14	15.14	15.02	0.33	15.00	0.51	1.66	1.80
C73	593.618 Culvert #1	TR 200	15.15	15.15	15.15	15.15	15.02	0.33	16.92	0.51	1.67	1.77
C73	593.618 Culvert #1	TR 500	15.17	15.17	15.17	15.17	15.02	0.33	19.72	0.50	1.66	1.71

COMUNE DI ALGHERO

VARIANTE AL PAI, ex art. 37 comma 3 delle NTA del PAI a seguito di Studio di Assetto idraulico e geologico del territorio comunale ai sensi dell'art.8 comma 2 delle N.A. del PAI

Area di indagine: **TERRITORIO COMUNALE**

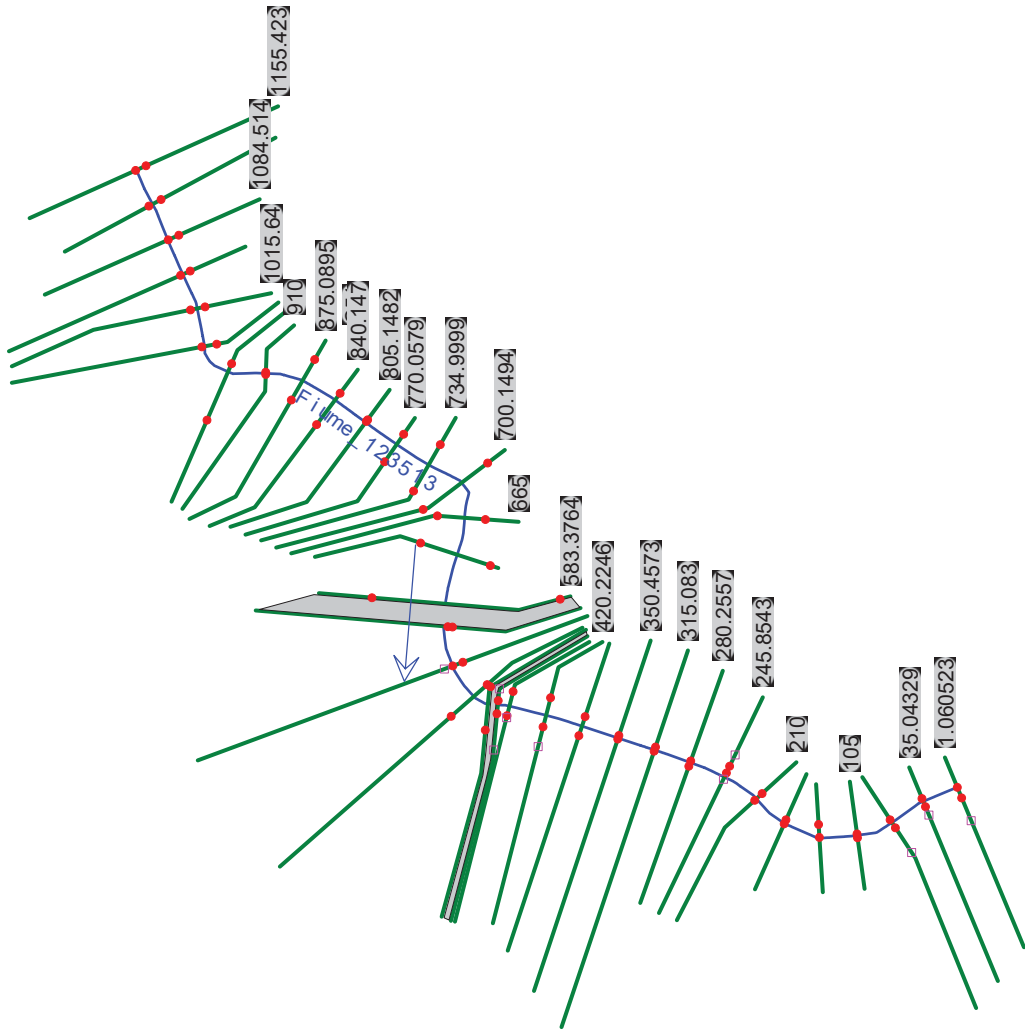
SIMULAZIONI IN MOTO PERMANENTE

Modello 15 - Fiume 123513

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per i tempi di ritorno 50, 100, 200 e 500 anni;

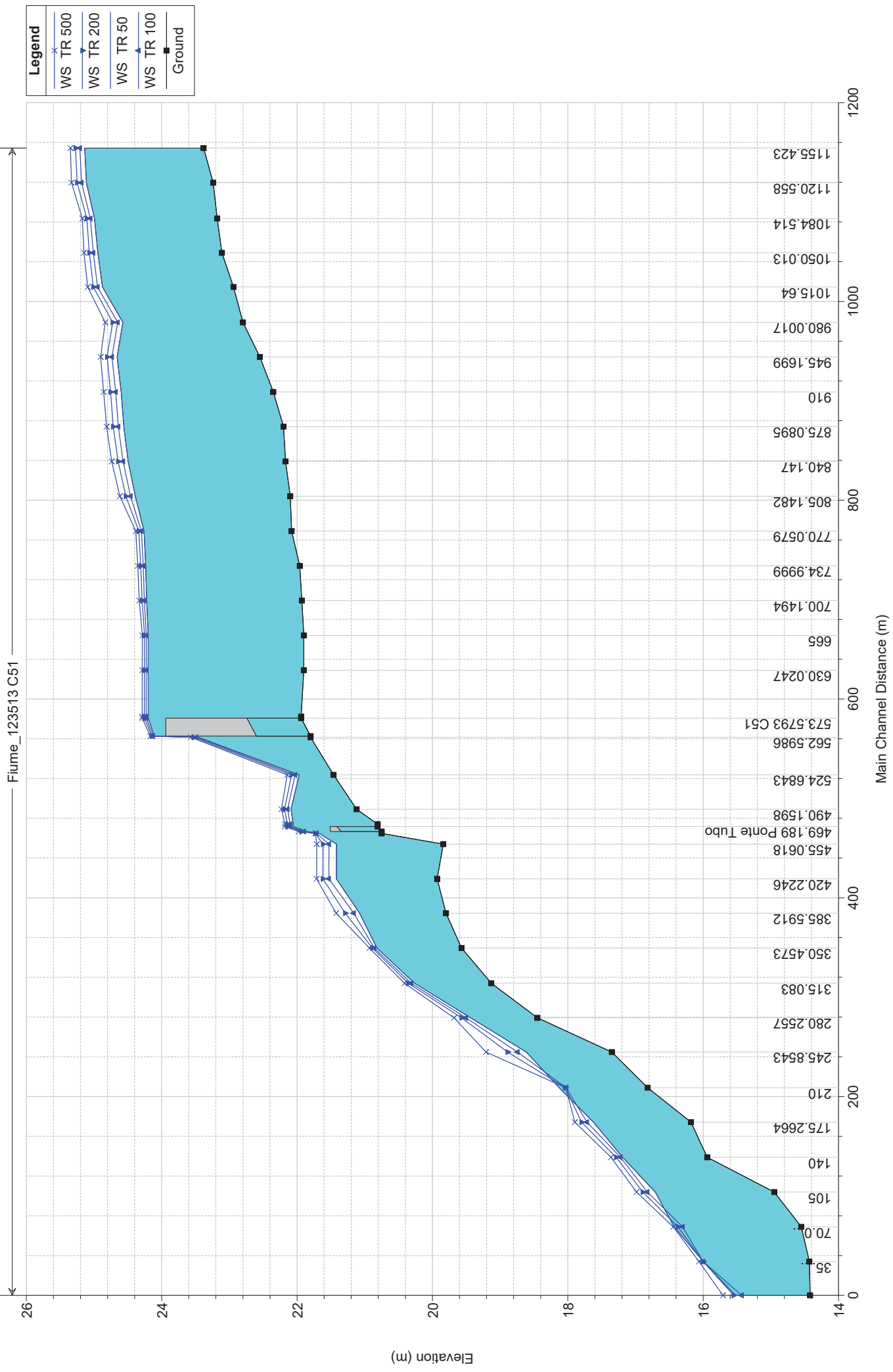
River	Reach	RS	PORTATE mc/s			
			TR 50	TR 100	TR 200	TR 500
Fiume_123513	C51	1155.423	37.165	43.764	50.398	59.205

River	Reach	PROFILI	condizioni al contorno	
			upstream	downstream
Fiume_123513	C51	all	Critical Depth	Critical Depth



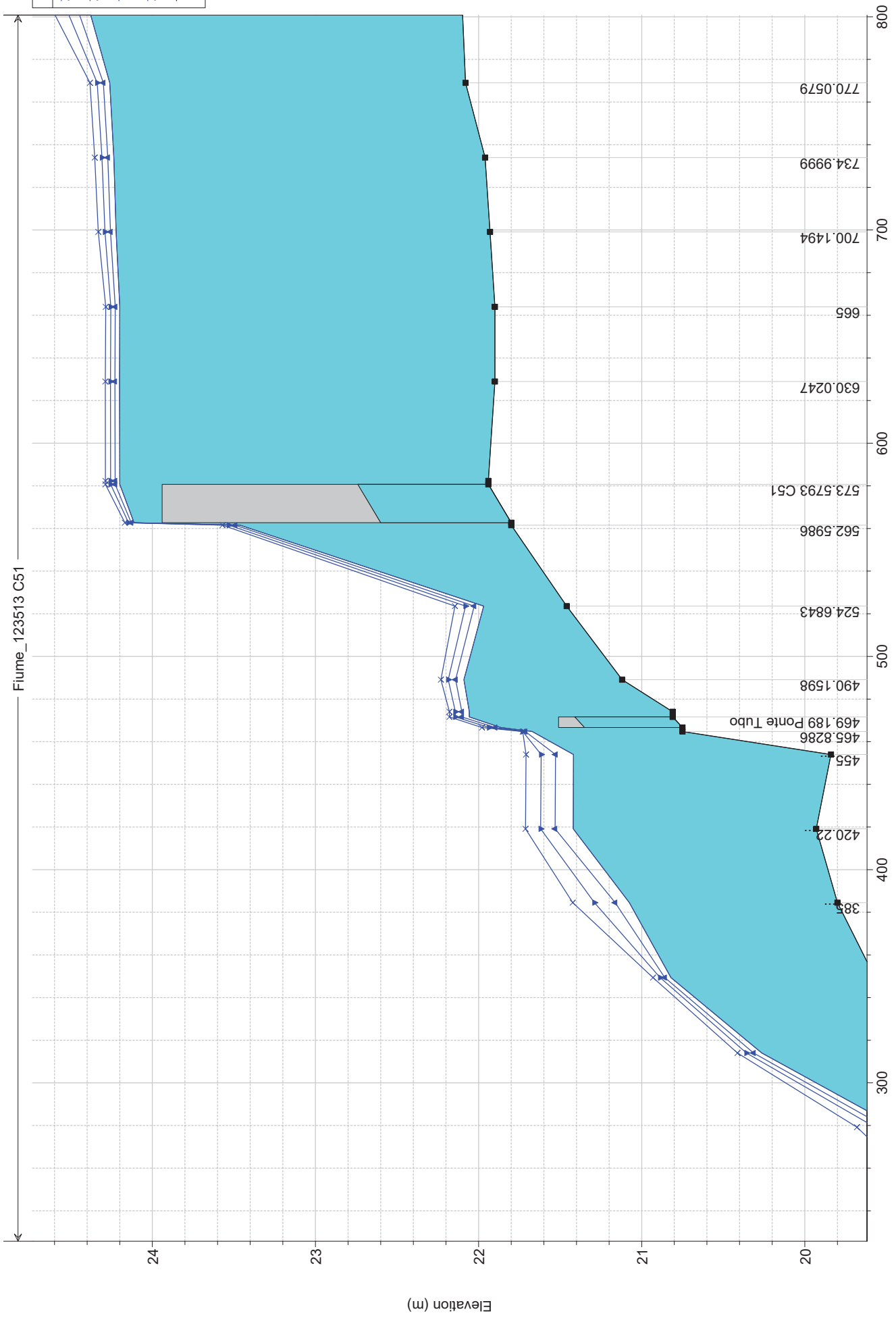
Geom: Fiume_123513 Flow: Fiume_123513 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.

Fiume_123513 Plan: Plan 01 4/26/2021



Geom: Fiume_123513 Flow: Fiume_123513 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.
Fiume_123513 Plan: Plan 01 4/26/2021

Legend	
WS TR 500	✕
WS TR 200	▶
WS TR 50	▲
WS TR 100	▲
Ground	■



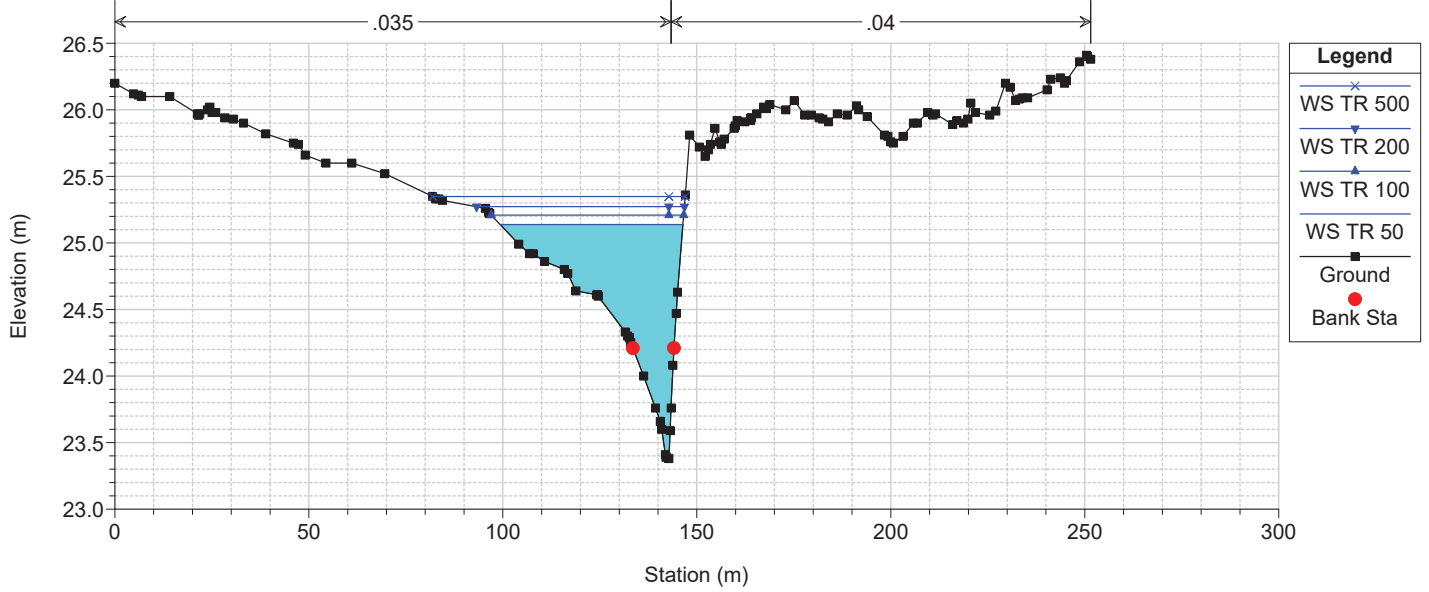
Main Channel Distance (m)

Elevation (m)

Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

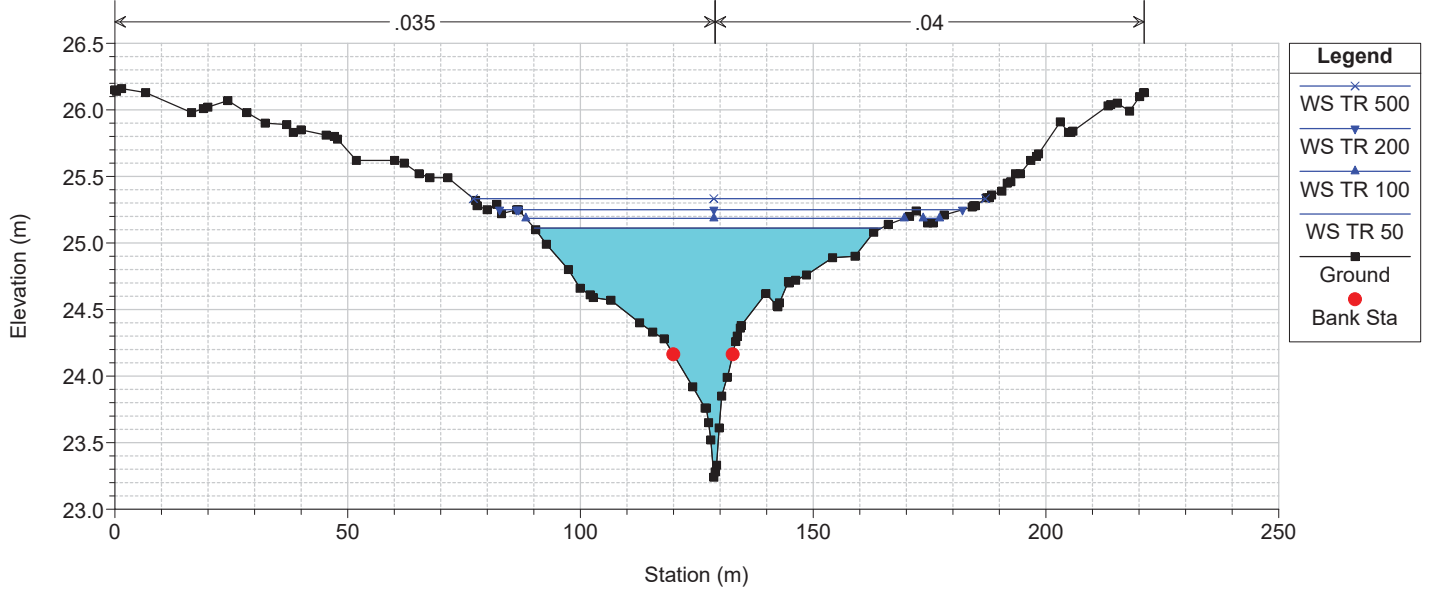
River = Fiume_123513 Reach = C51 RS = 1155.423 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

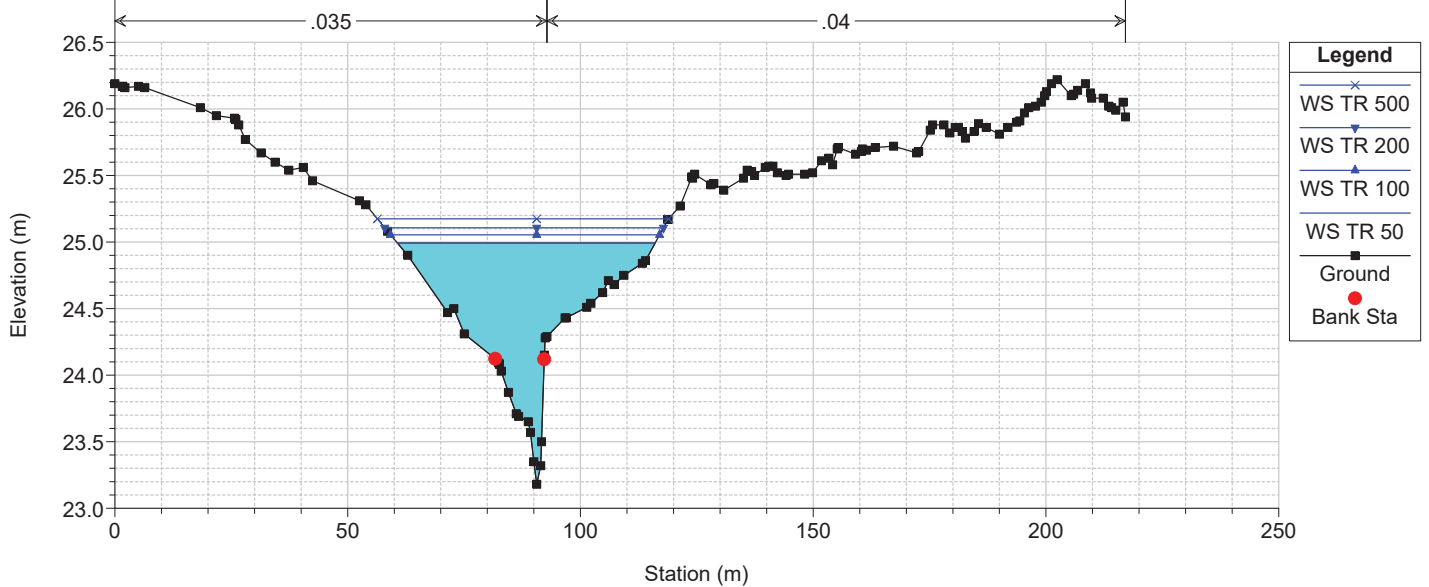
River = Fiume_123513 Reach = C51 RS = 1120.558 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

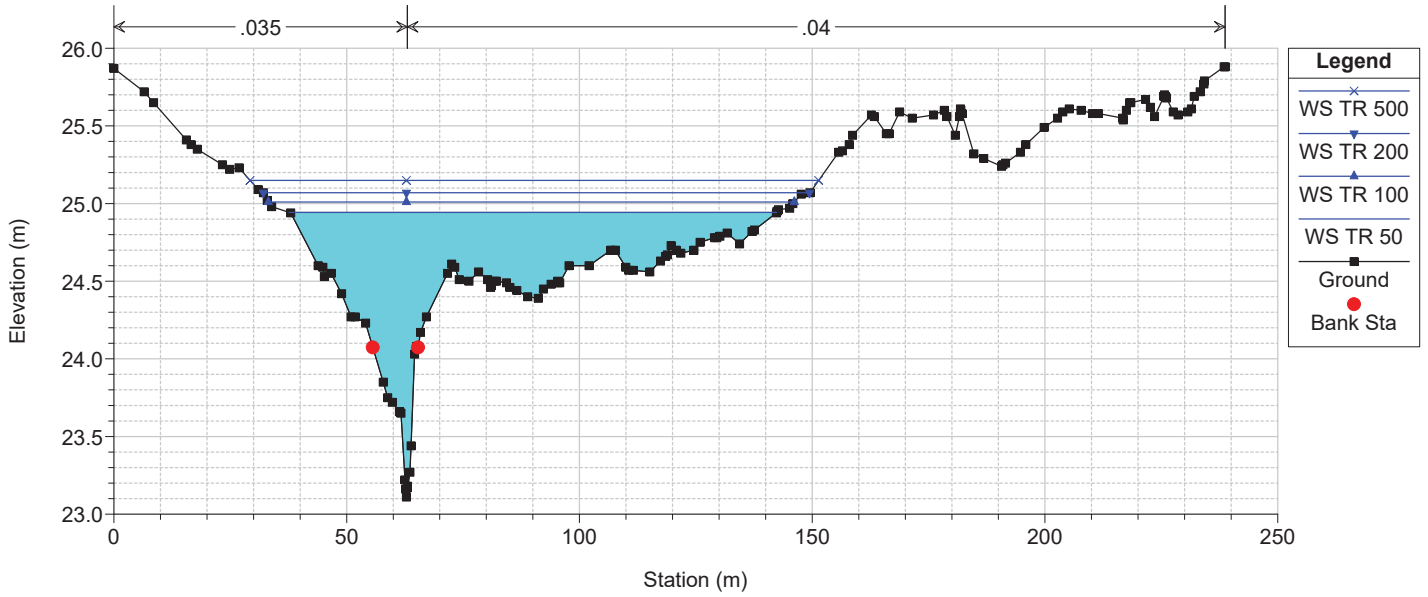
River = Fiume_123513 Reach = C51 RS = 1084.514 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

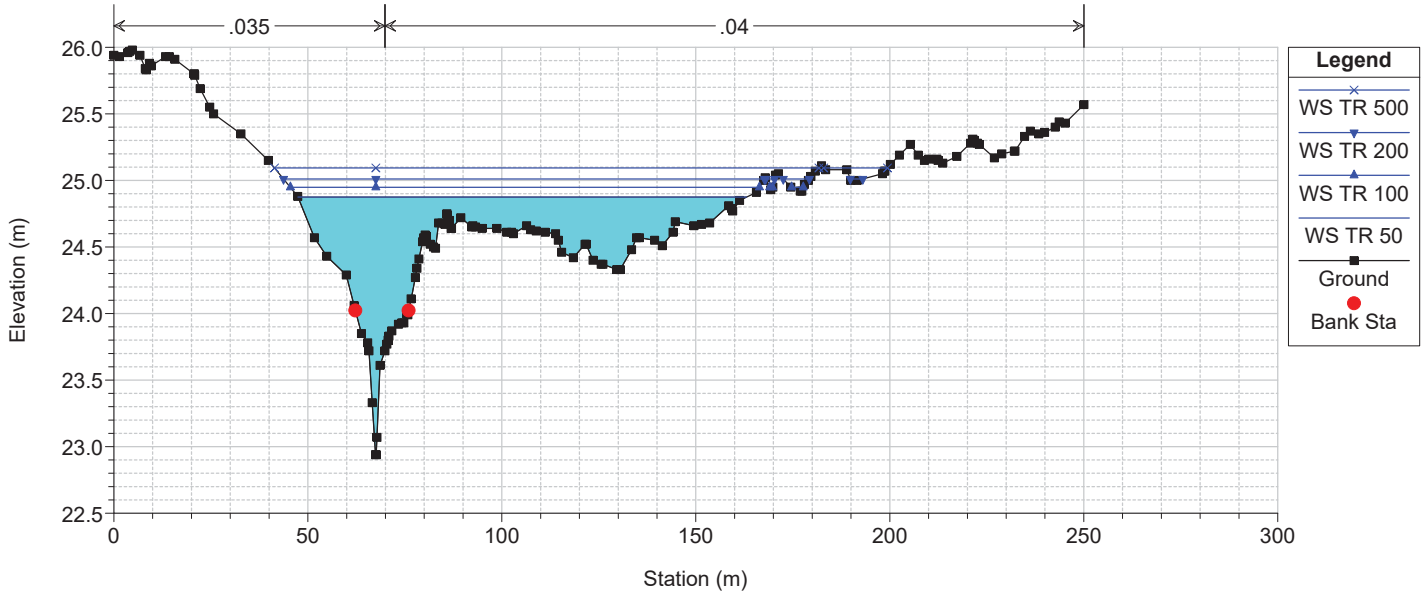
River = Fiume_123513 Reach = C51 RS = 1050.013 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

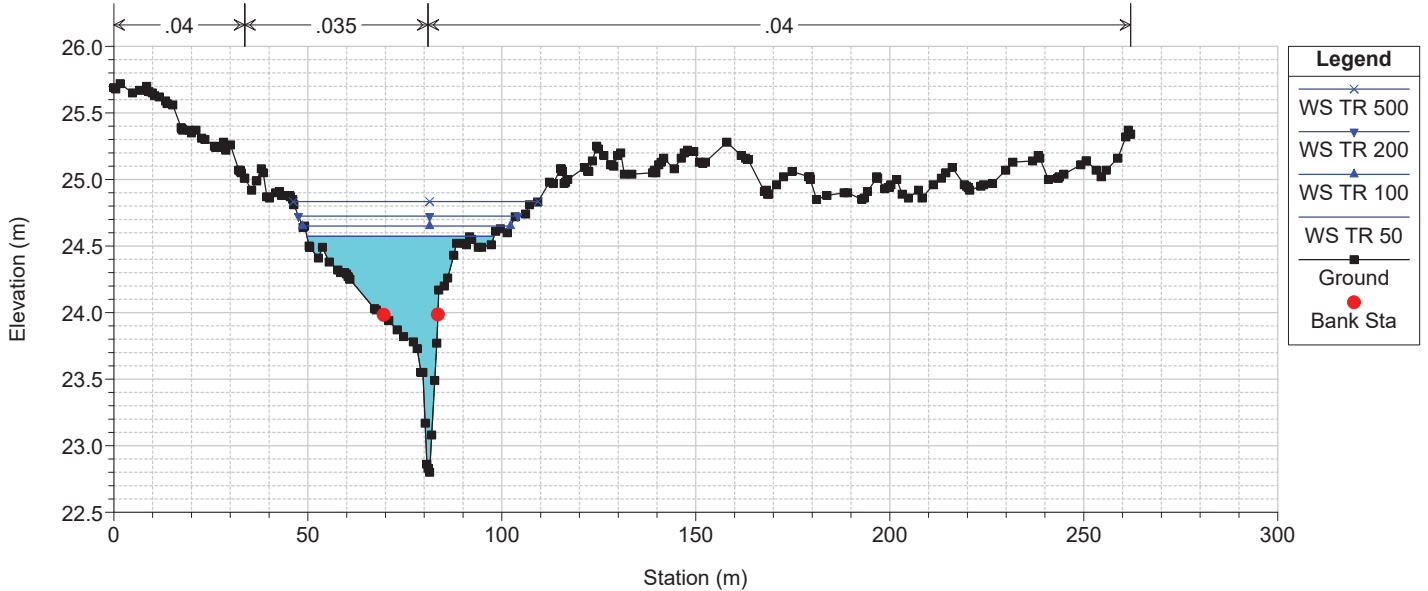
River = Fiume_123513 Reach = C51 RS = 1015.64 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

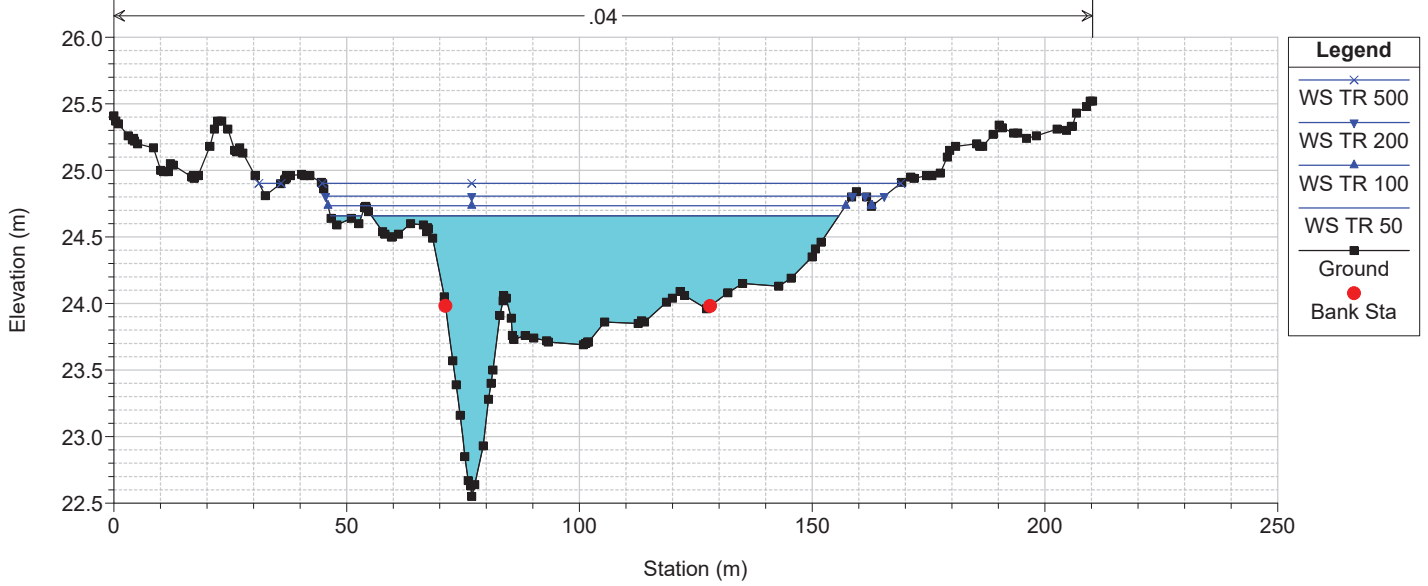
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Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

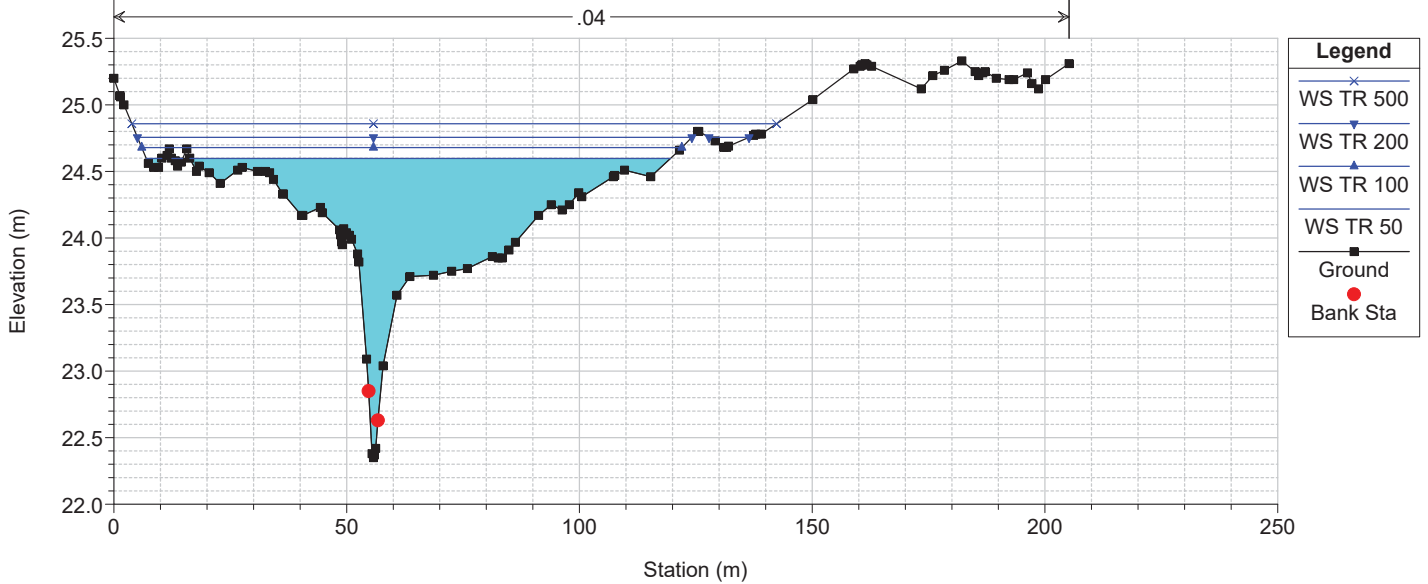
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Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

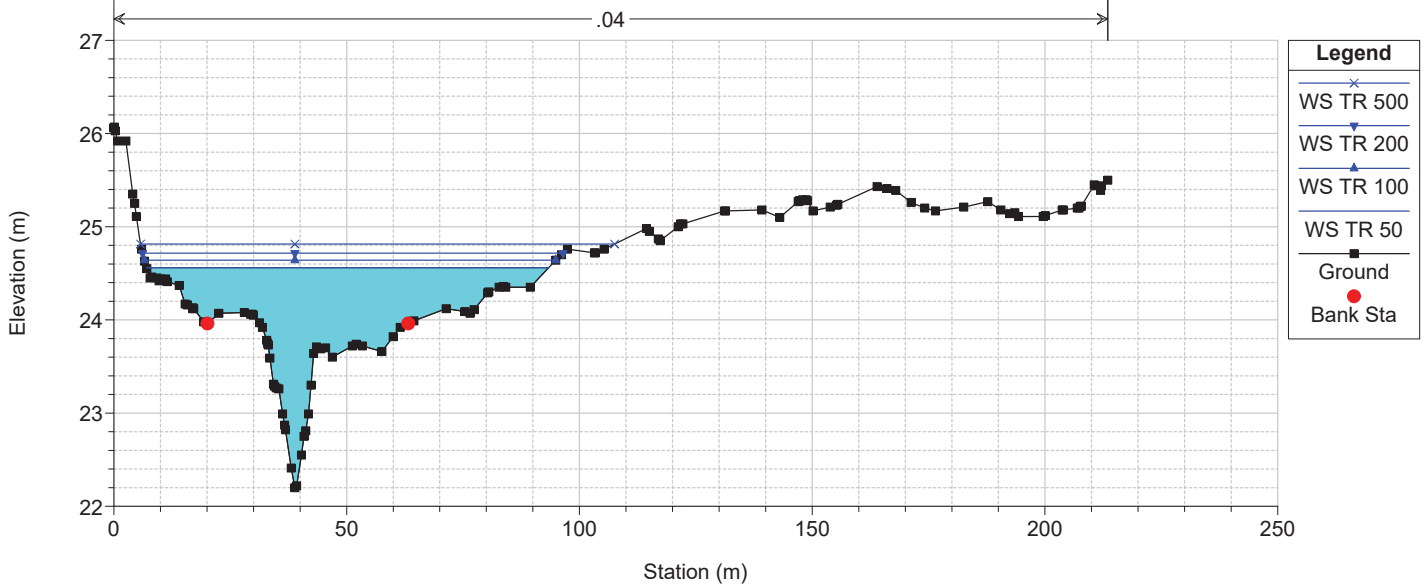
River = Fiume_123513 Reach = C51 RS = 910 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

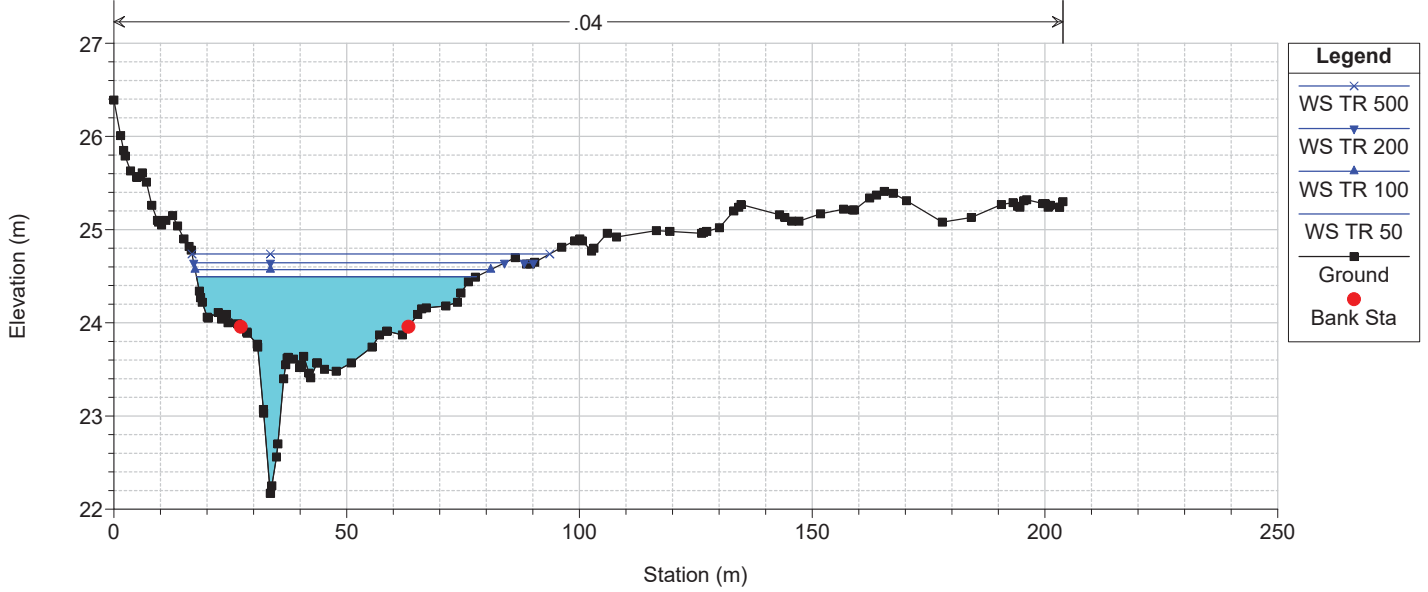
River = Fiume_123513 Reach = C51 RS = 875.0895 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

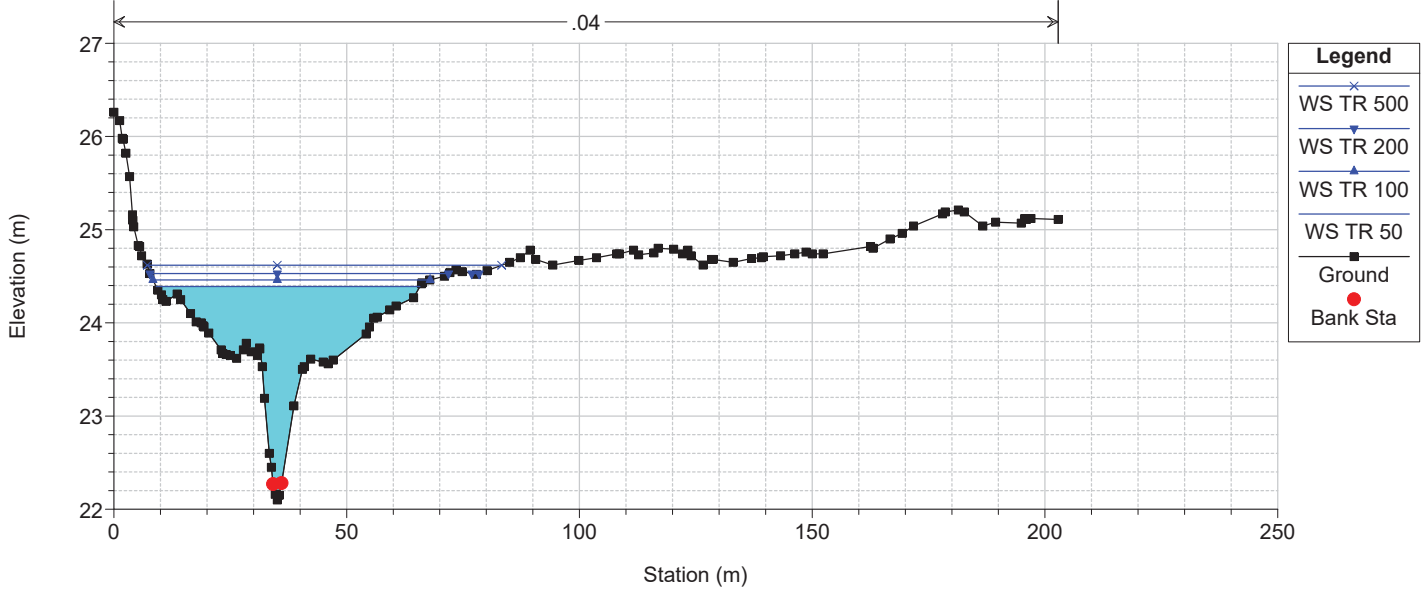
River = Fiume_123513 Reach = C51 RS = 840.147 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

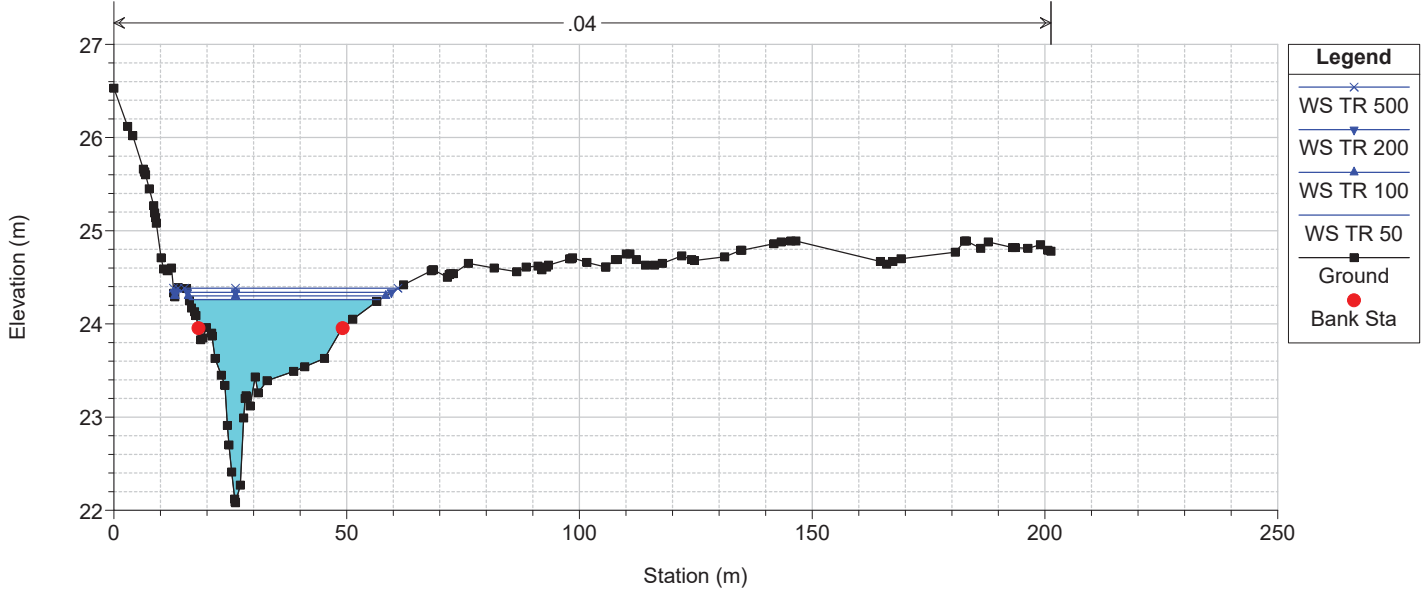
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Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

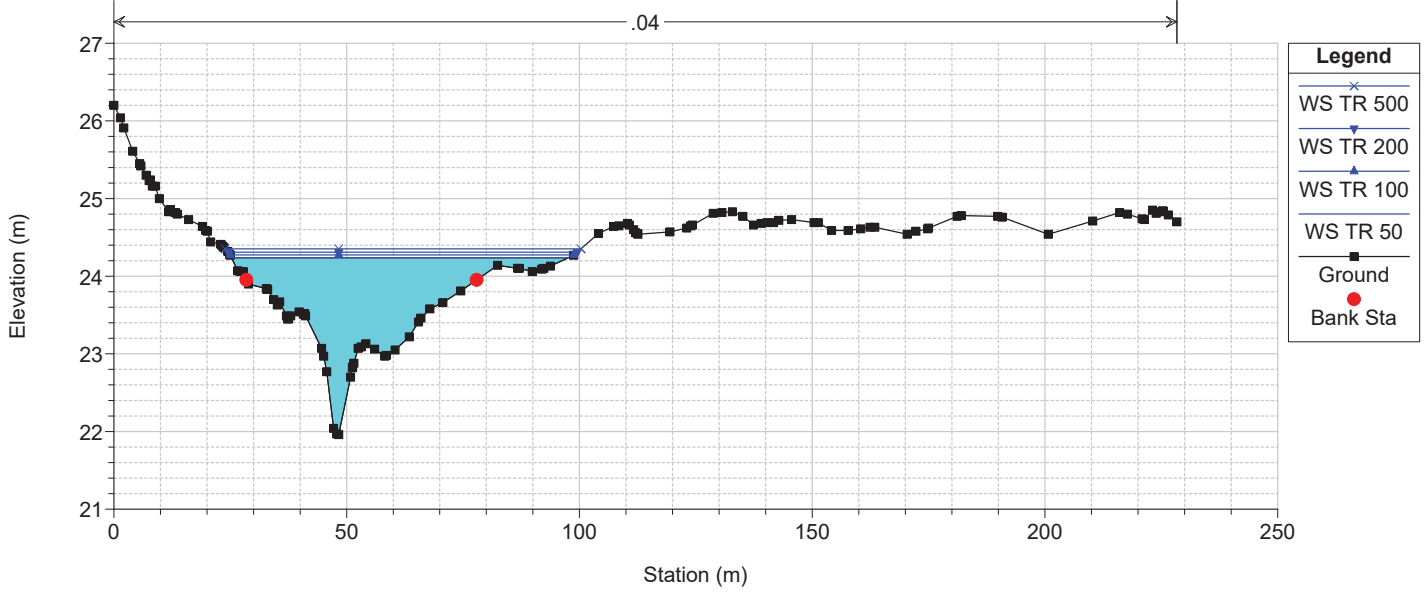
River = Fiume_123513 Reach = C51 RS = 770.0579 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

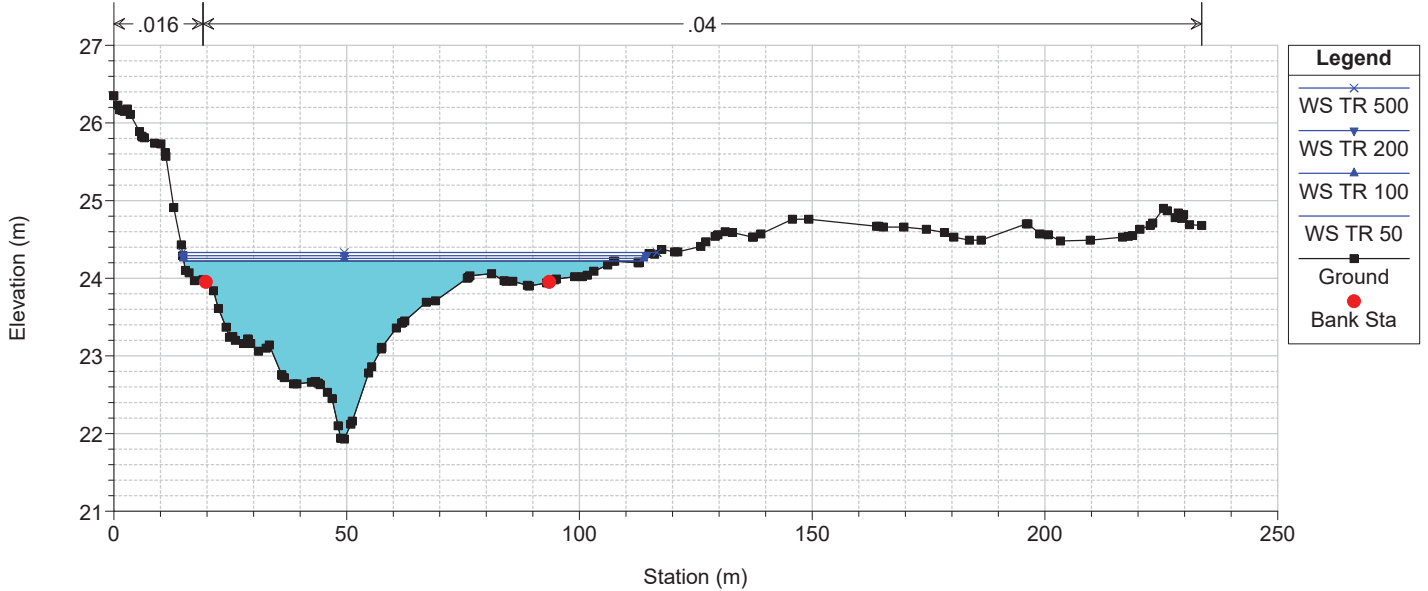
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Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

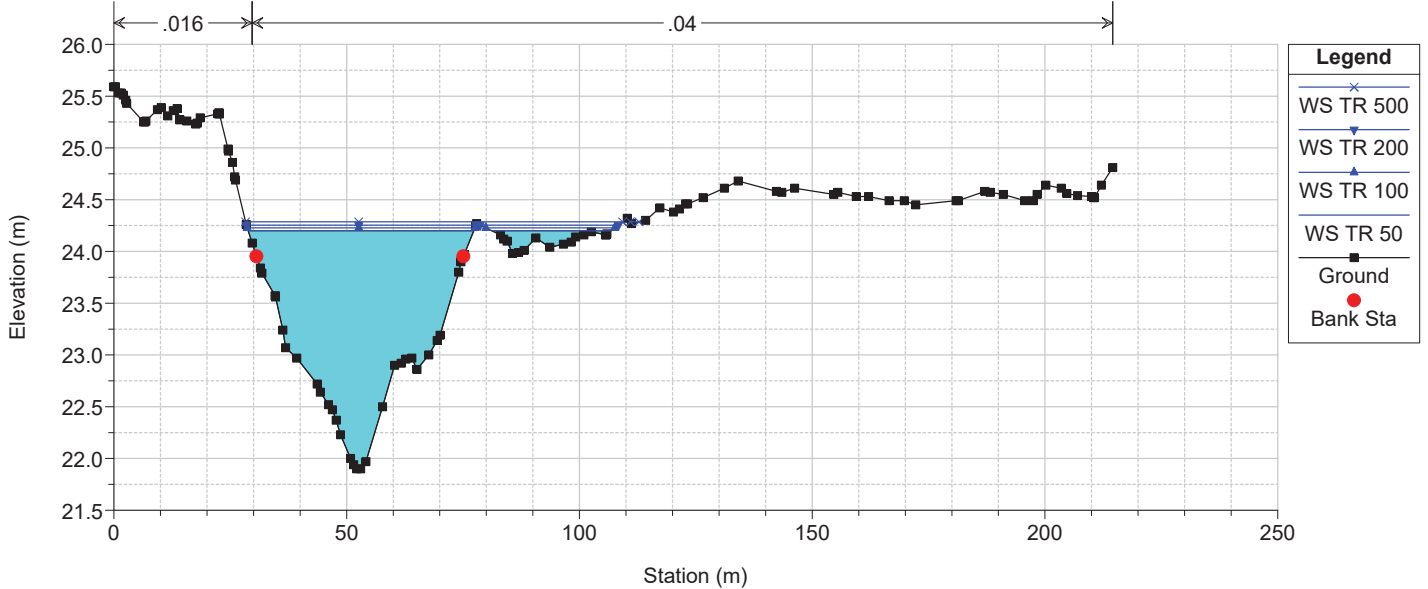
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Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

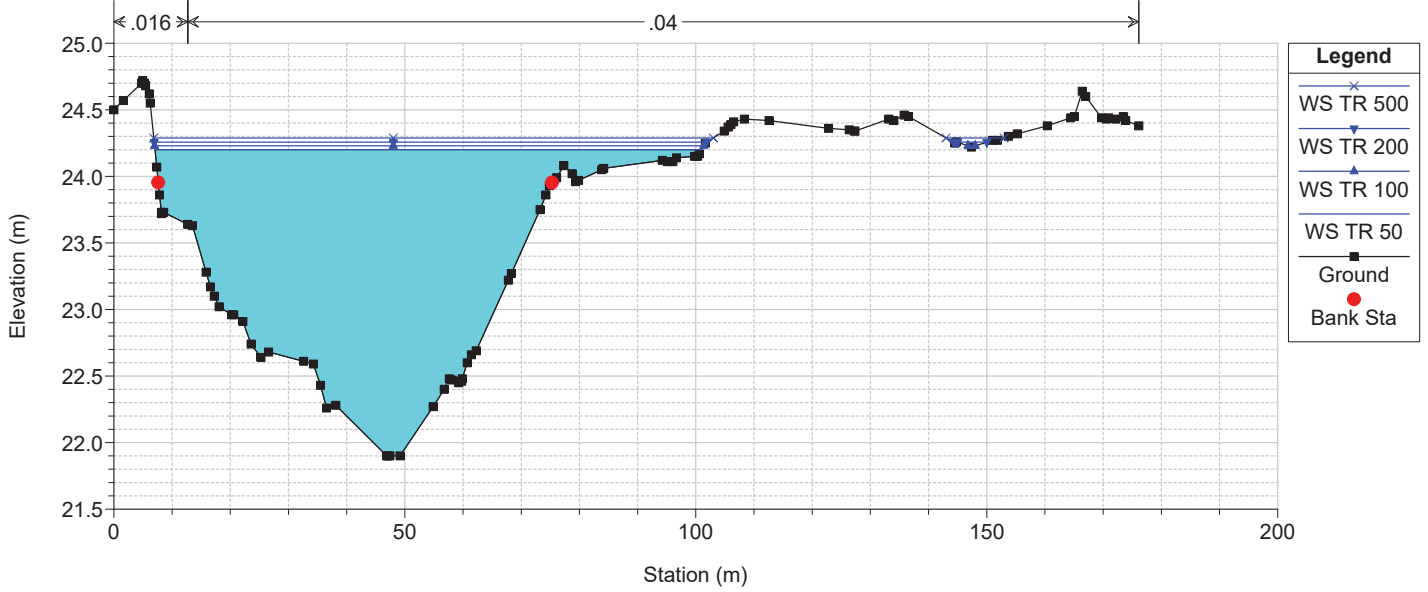
River = Fiume_123513 Reach = C51 RS = 665 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

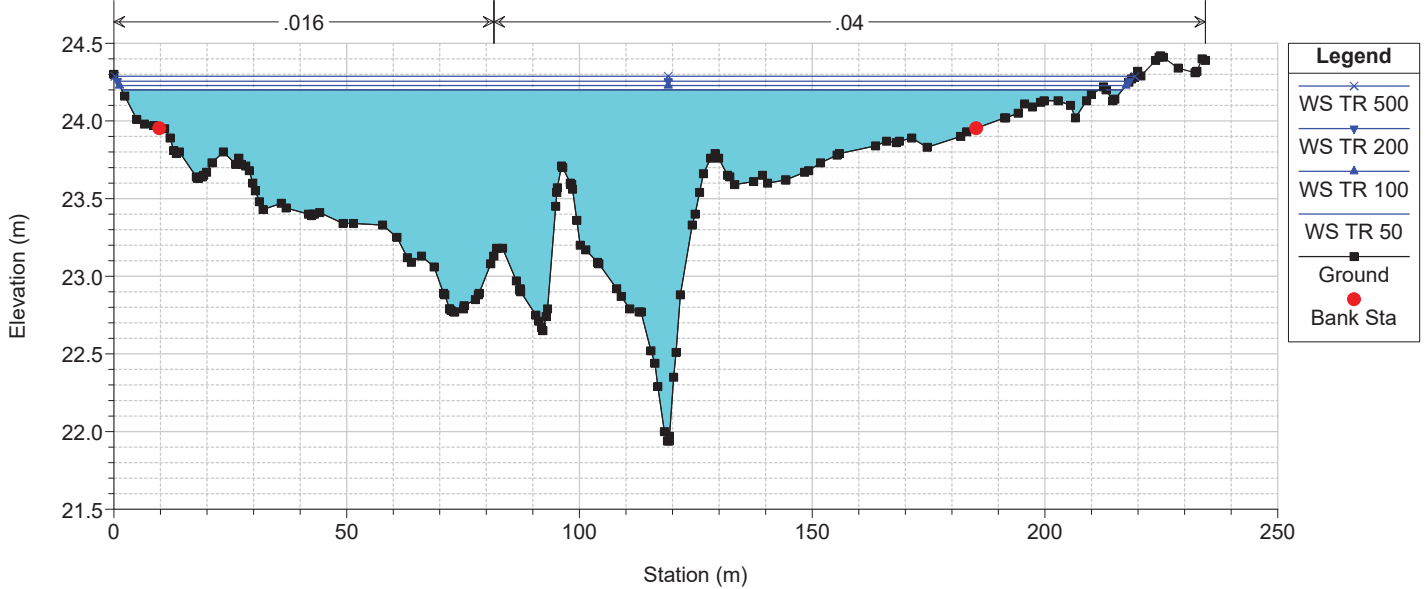
River = Fiume_123513 Reach = C51 RS = 630.0247 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

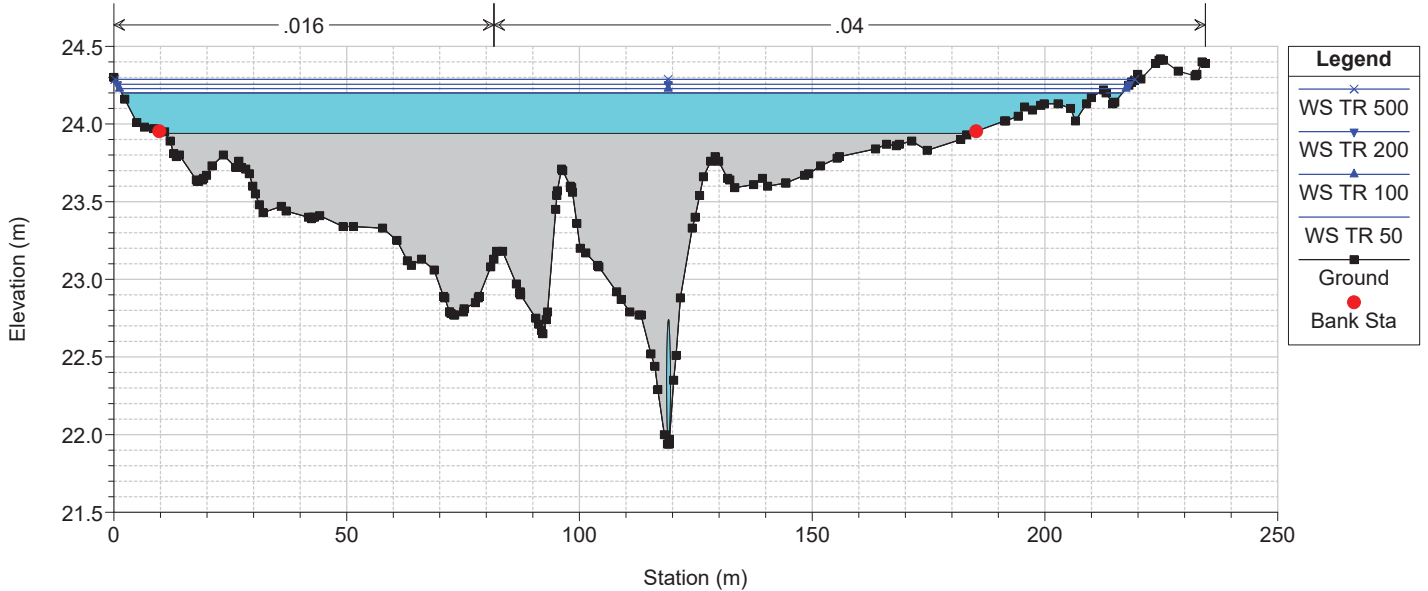
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Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

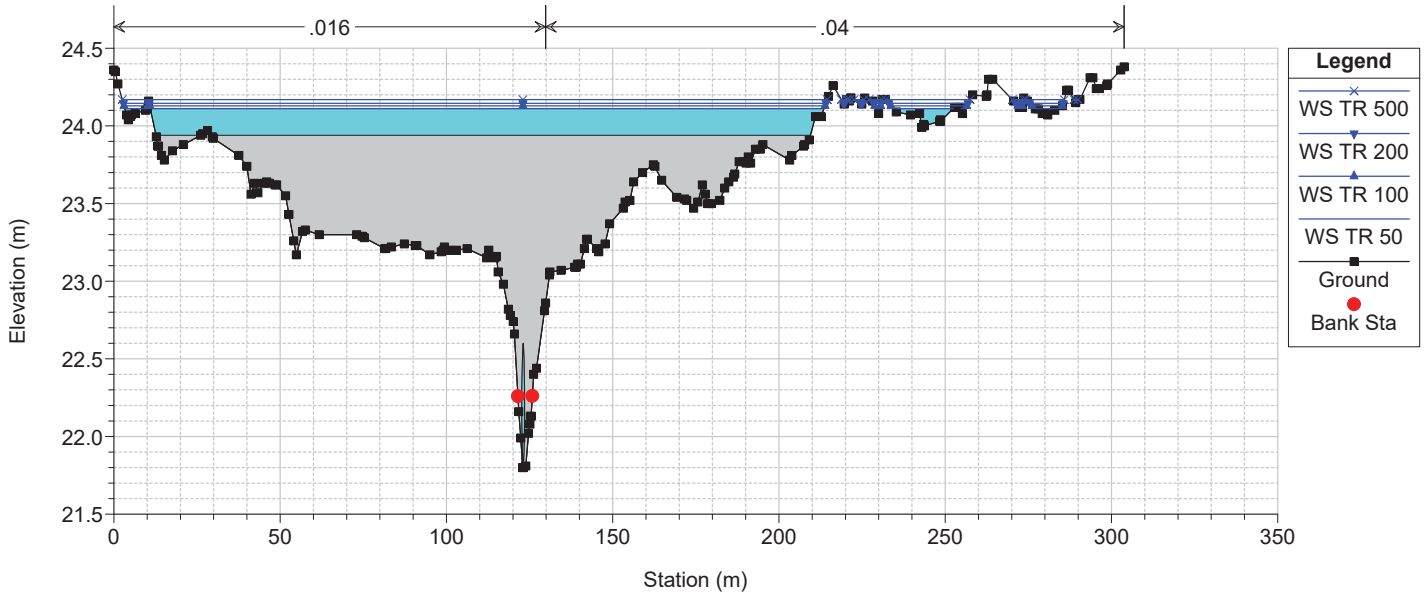
River = Fiume_123513 Reach = C51 RS = 573.5793 Culv C51 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

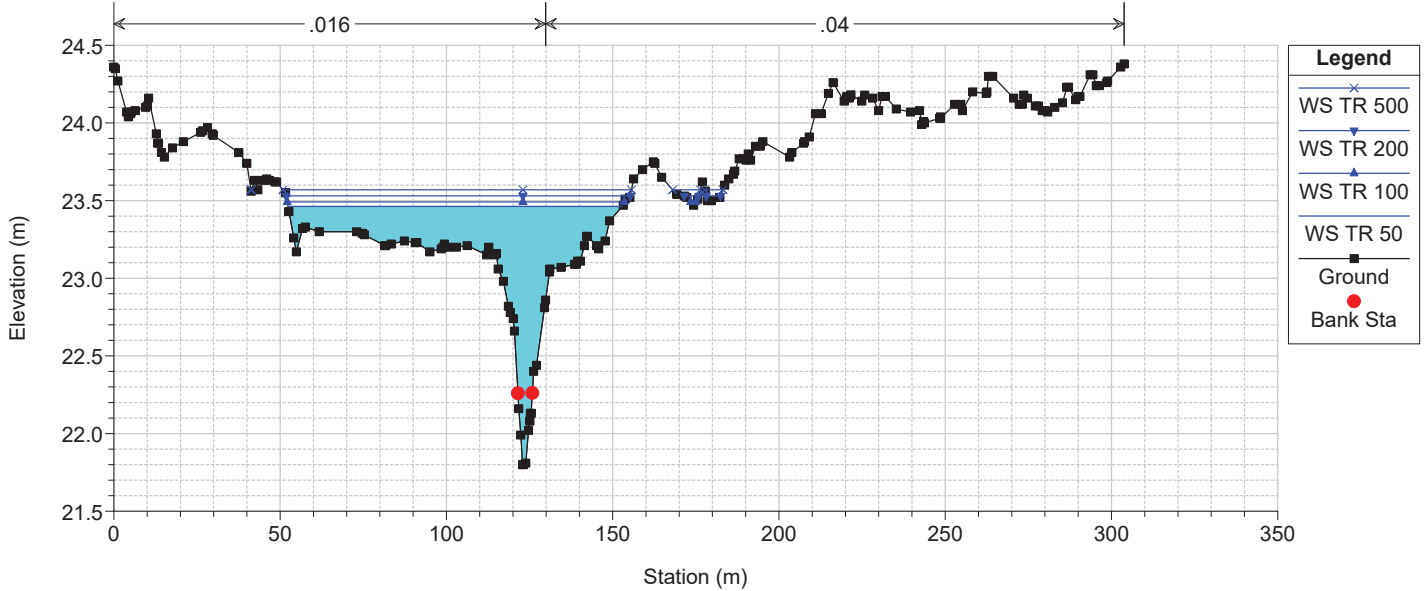
River = Fiume_123513 Reach = C51 RS = 573.5793 Culv C51 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

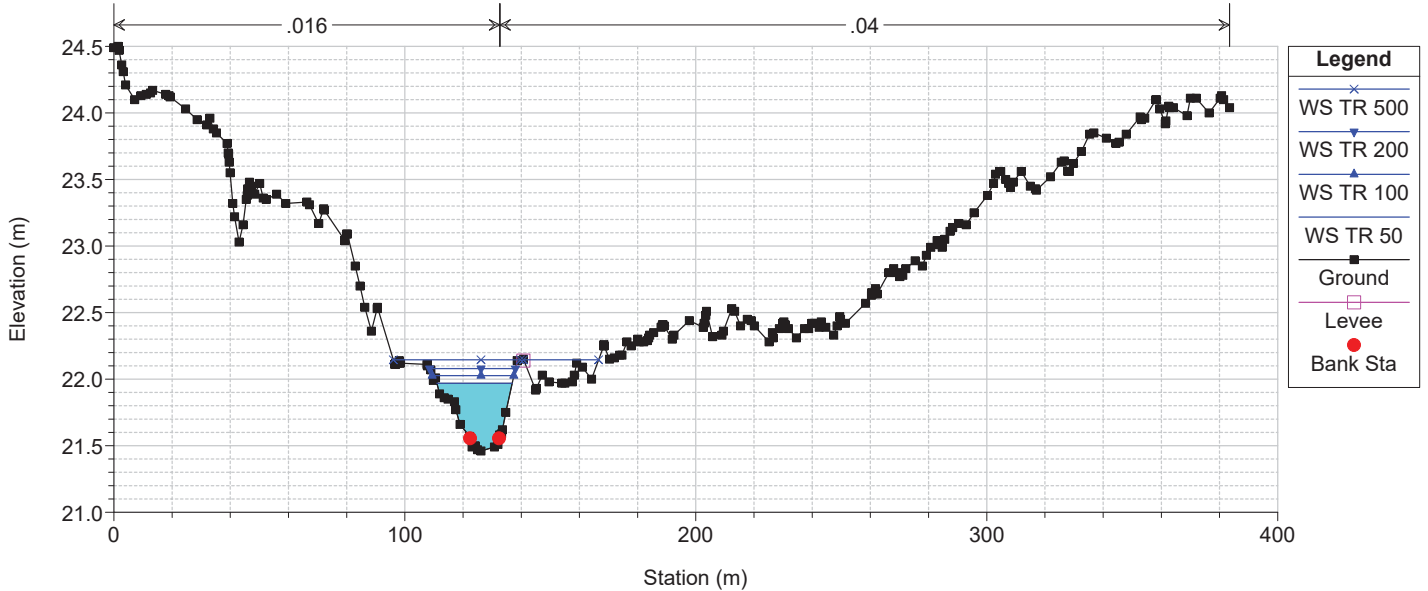
River = Fiume_123513 Reach = C51 RS = 562.5986 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

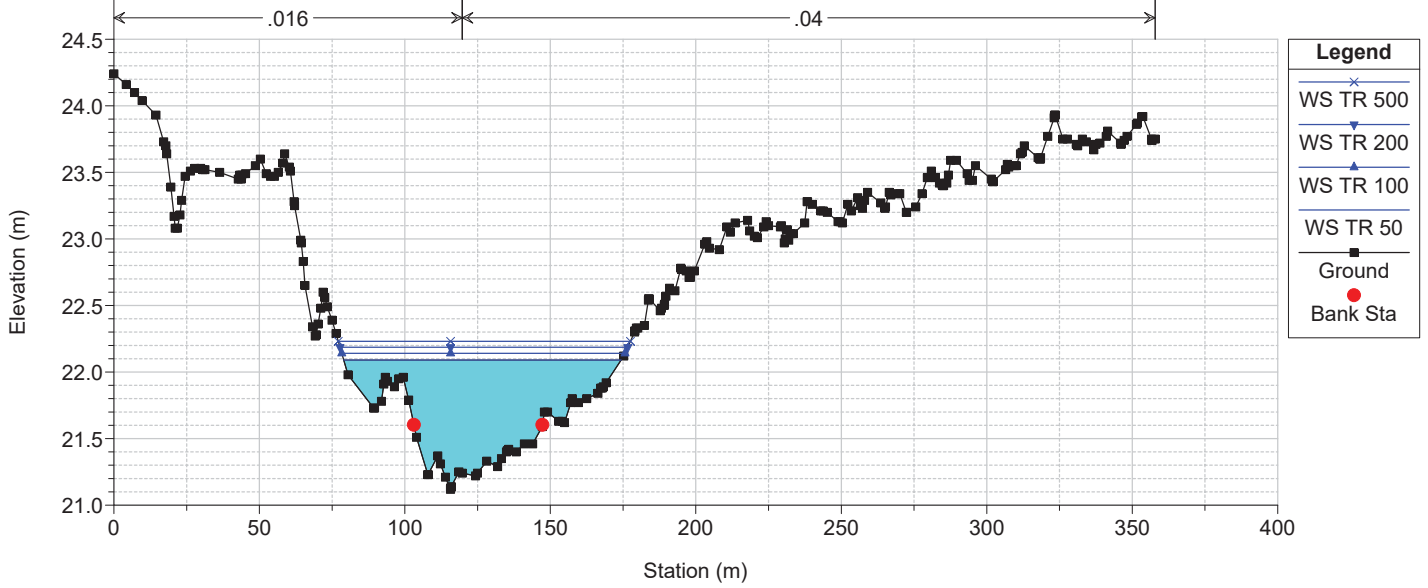
River = Fiume_123513 Reach = C51 RS = 524.6843 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

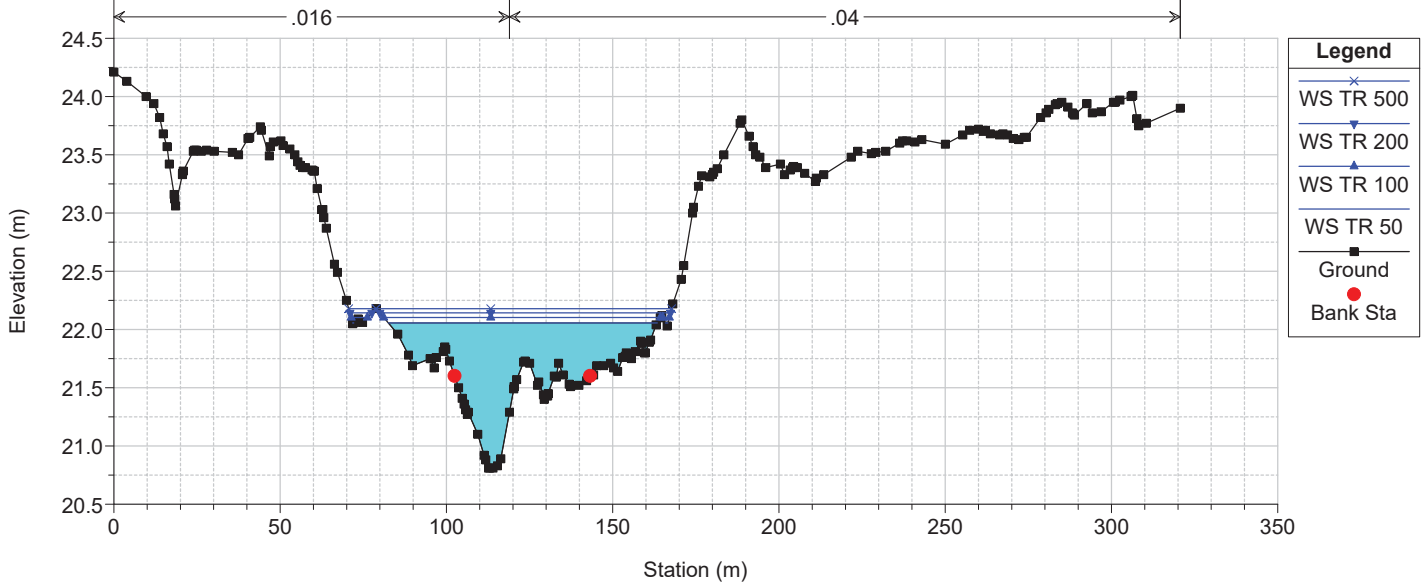
River = Fiume_123513 Reach = C51 RS = 490.1598 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

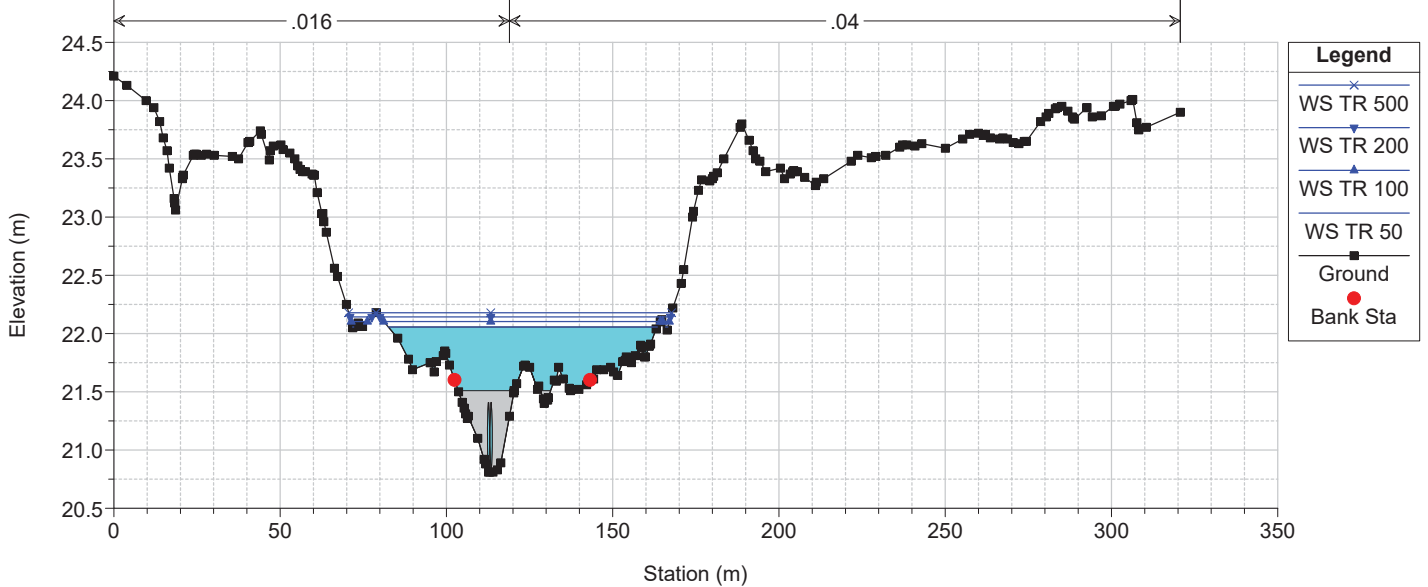
River = Fiume_123513 Reach = C51 RS = 475.104 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

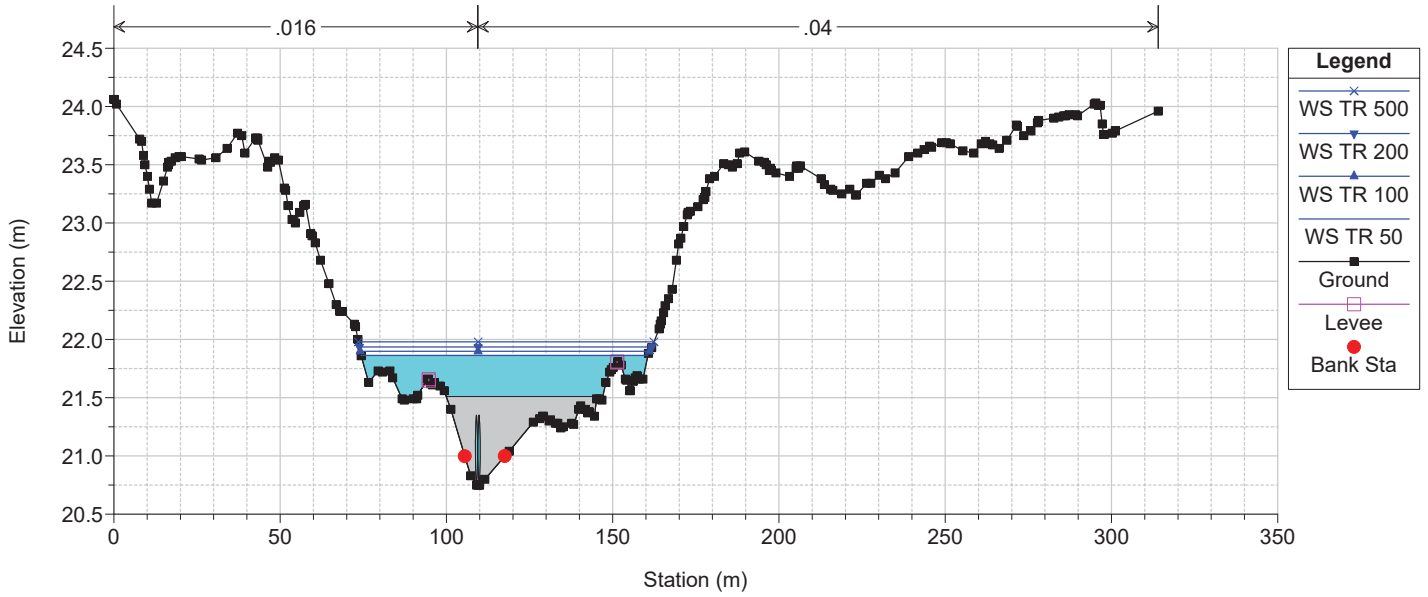
River = Fiume_123513 Reach = C51 RS = 469.189 Culv Ponte Tubo COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

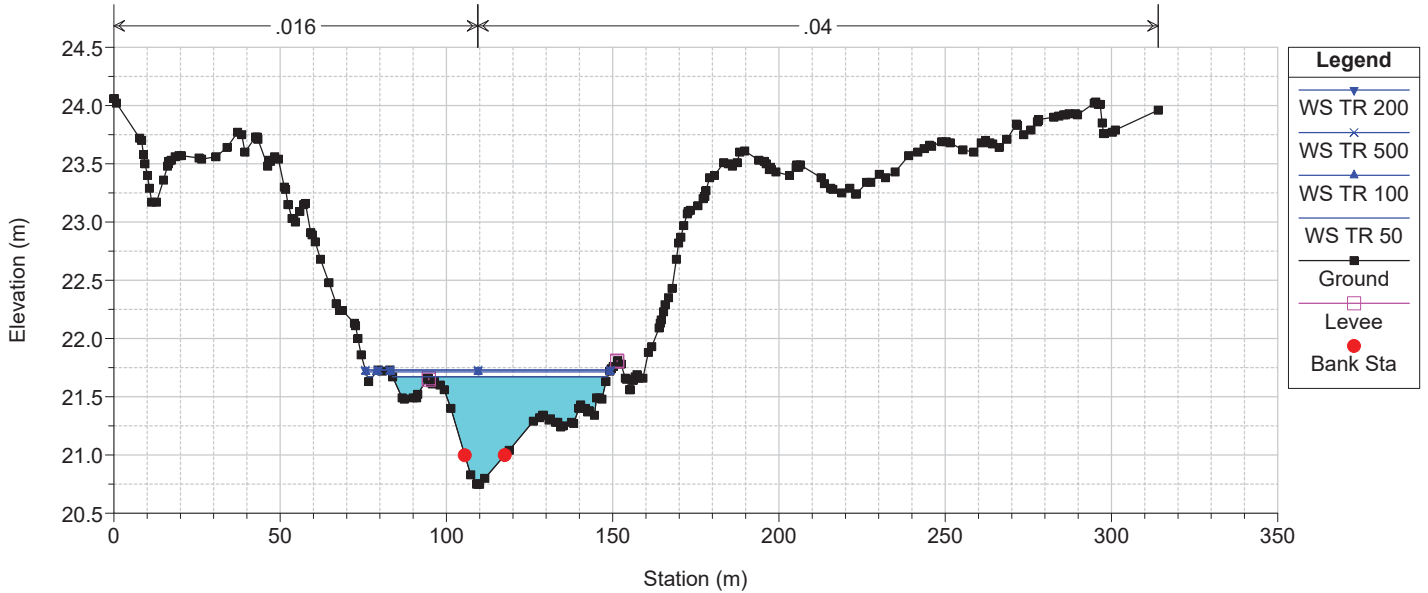
River = Fiume_123513 Reach = C51 RS = 469.189 Culv Ponte Tubo COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

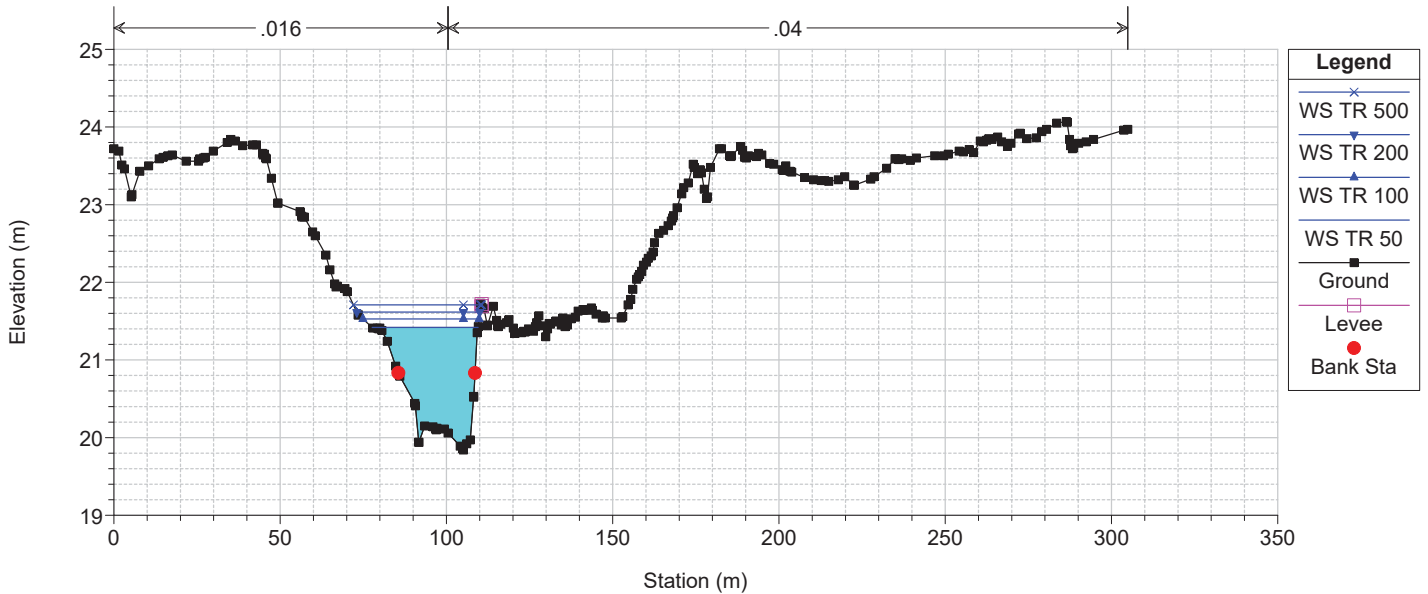
River = Fiume_123513 Reach = C51 RS = 465.8286 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

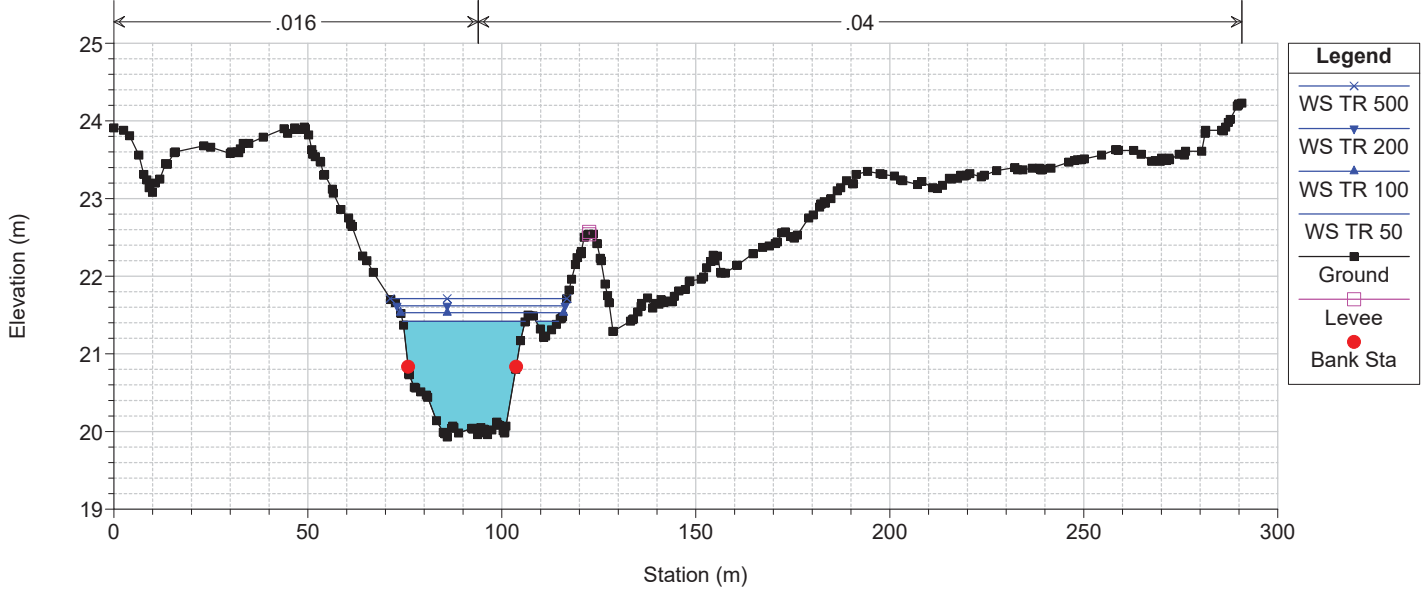
River = Fiume_123513 Reach = C51 RS = 455.0618 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

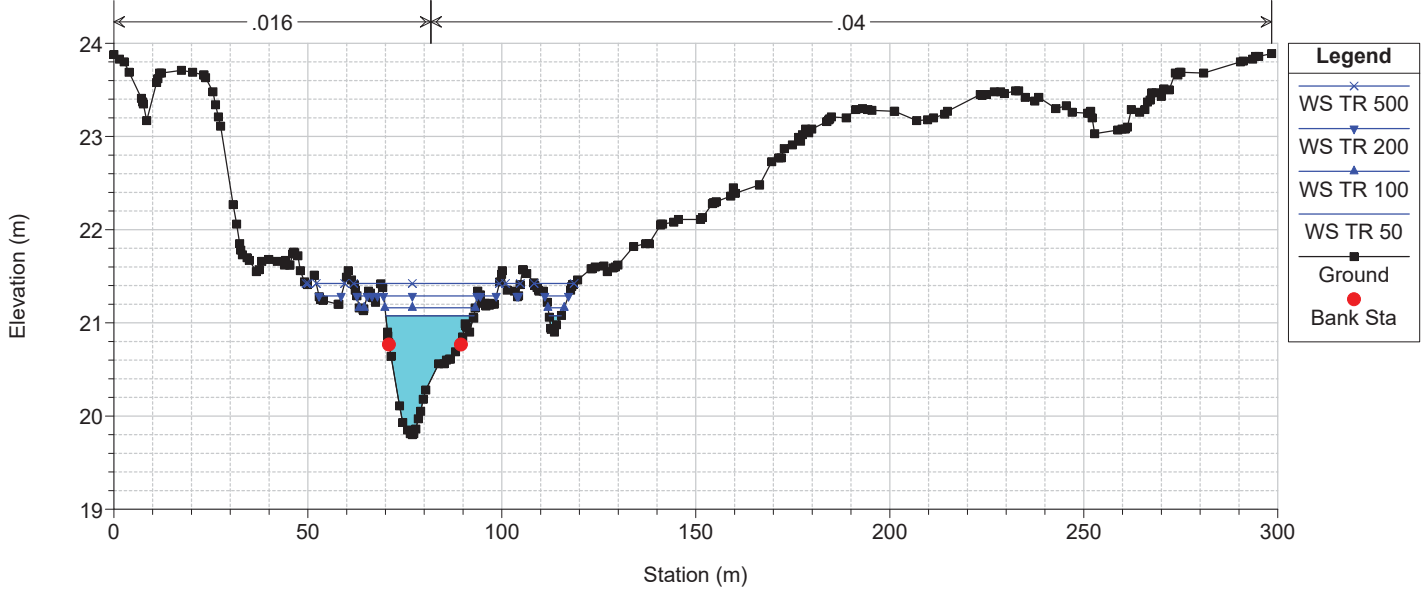
River = Fiume_123513 Reach = C51 RS = 420.2246 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

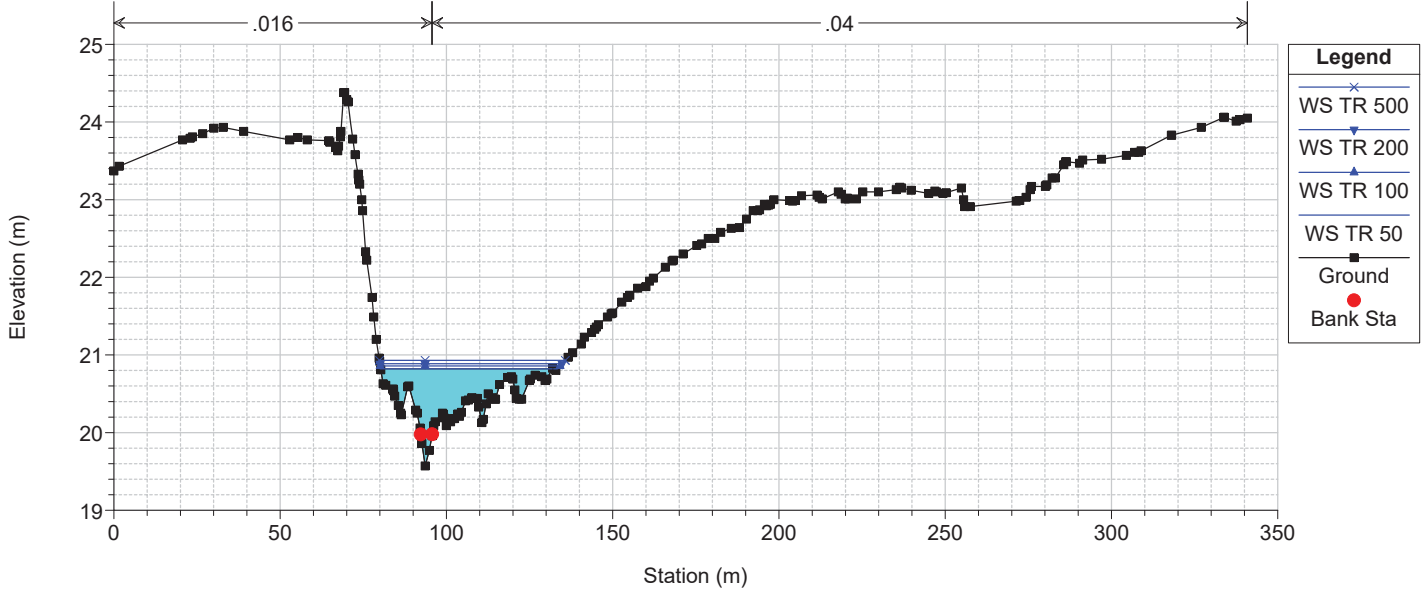
River = Fiume_123513 Reach = C51 RS = 385.5912 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

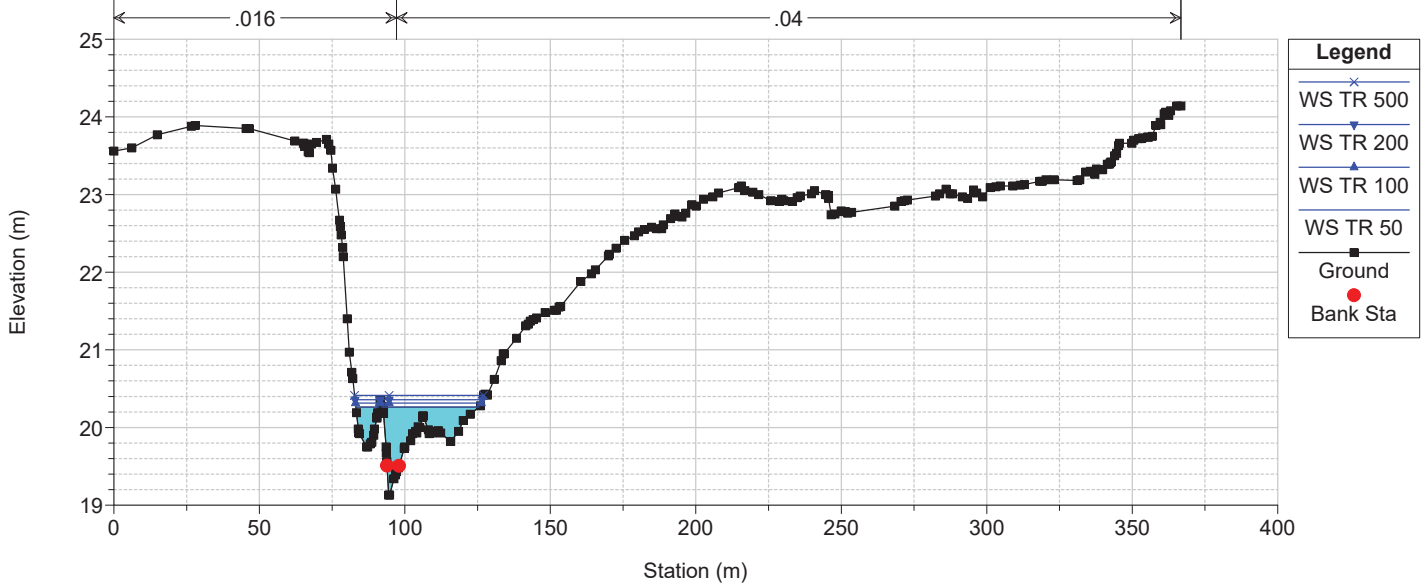
River = Fiume_123513 Reach = C51 RS = 350.4573 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

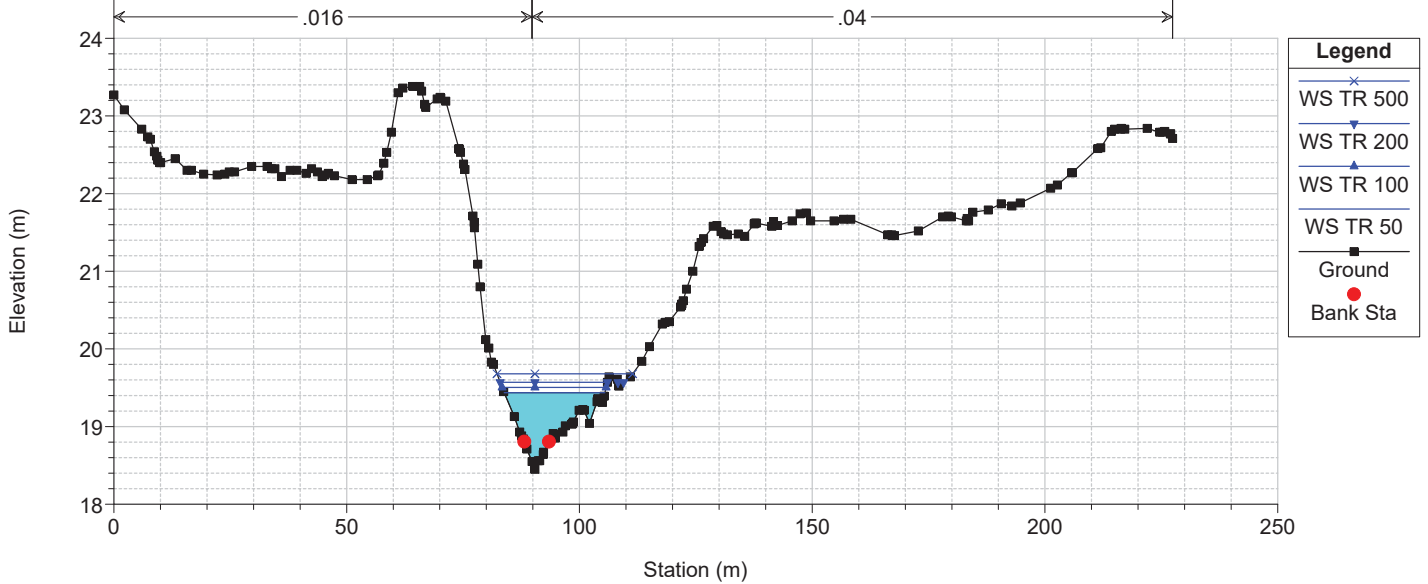
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Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

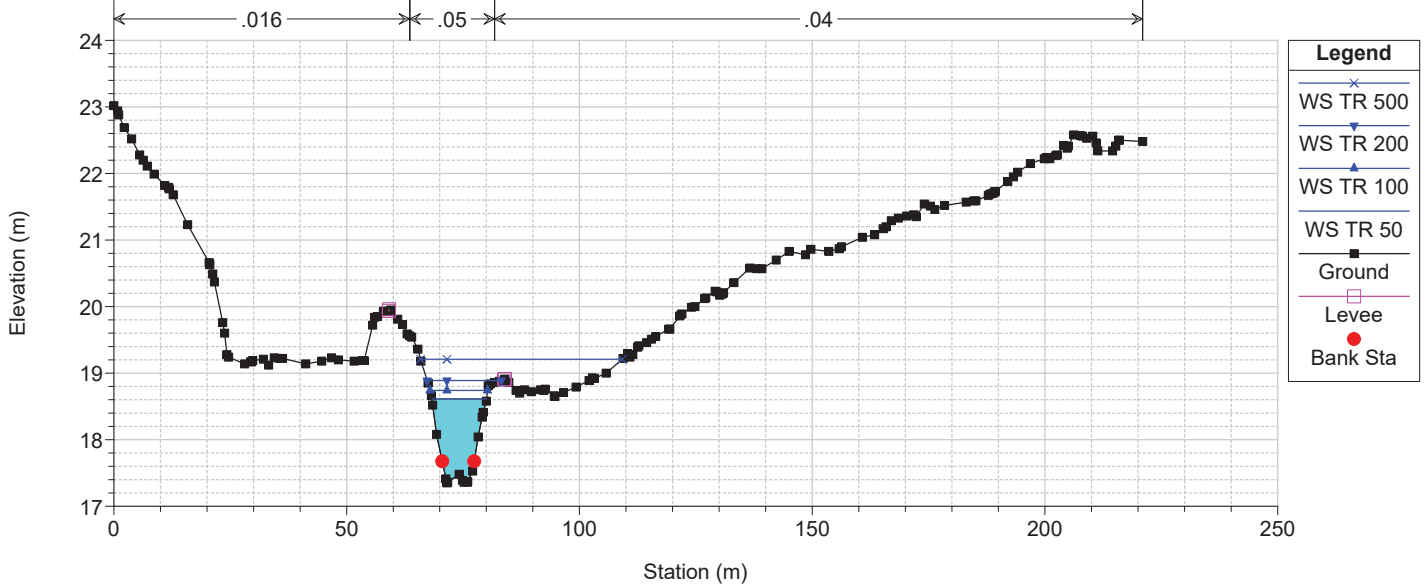
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Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

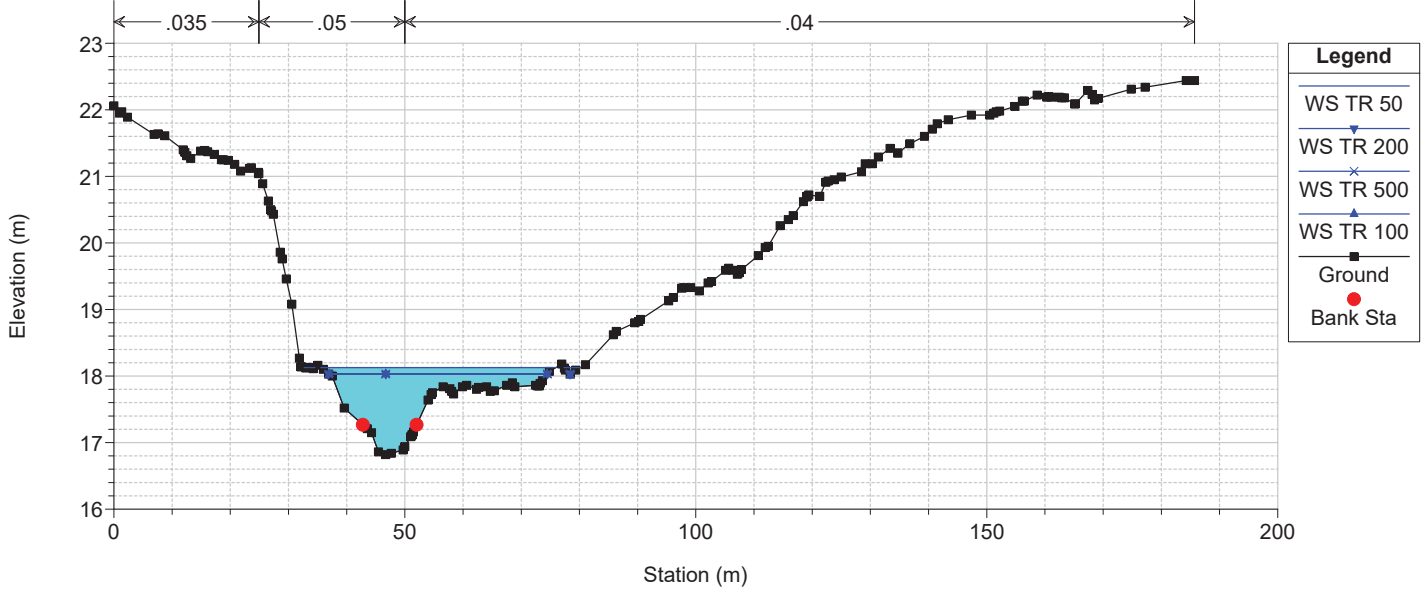
River = Fiume_123513 Reach = C51 RS = 245.8543 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

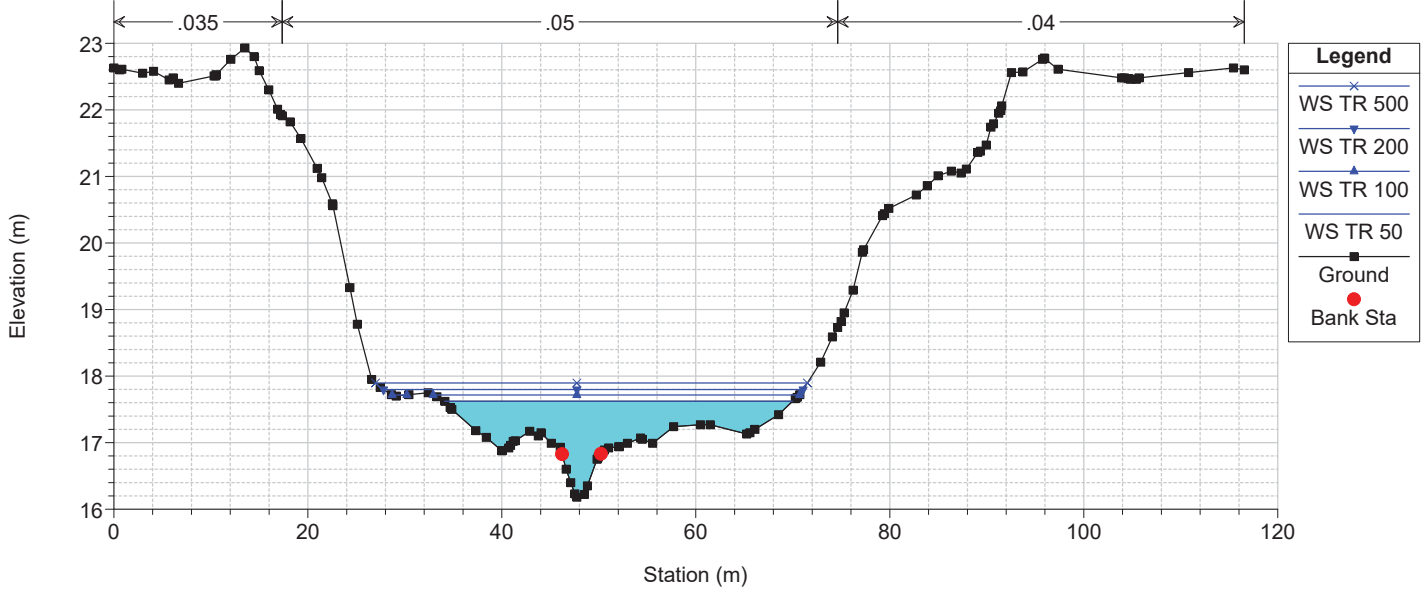
River = Fiume_123513 Reach = C51 RS = 210 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

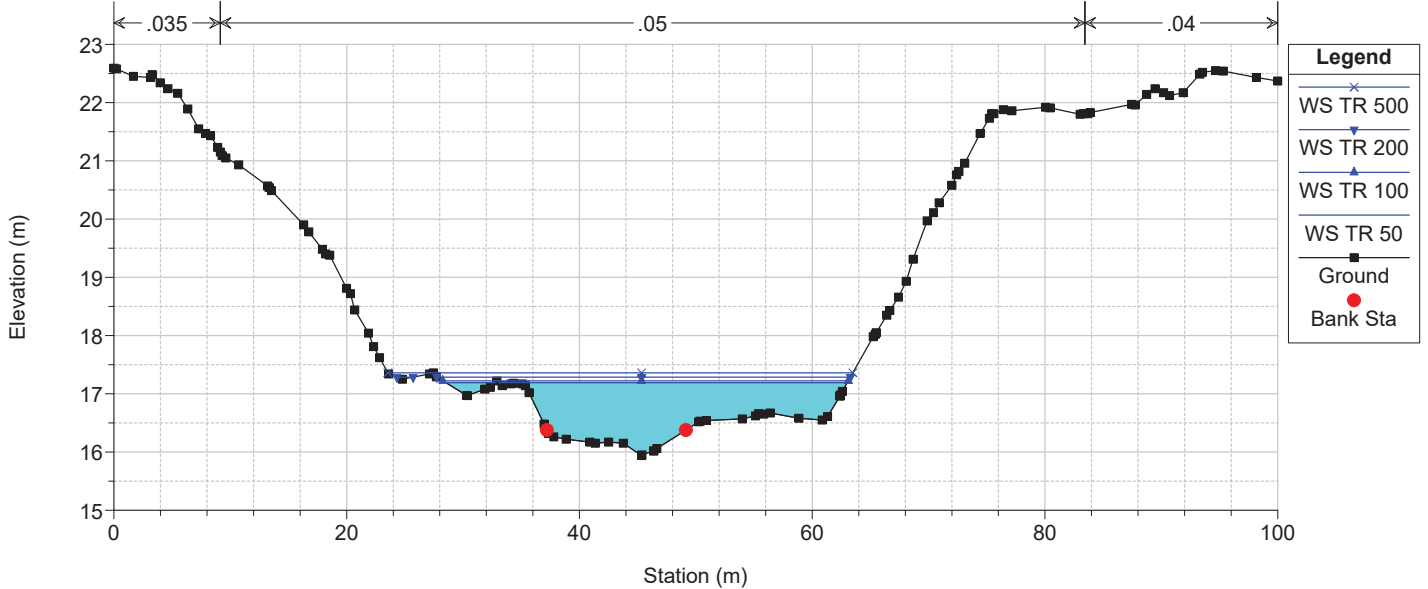
River = Fiume_123513 Reach = C51 RS = 175.2664 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

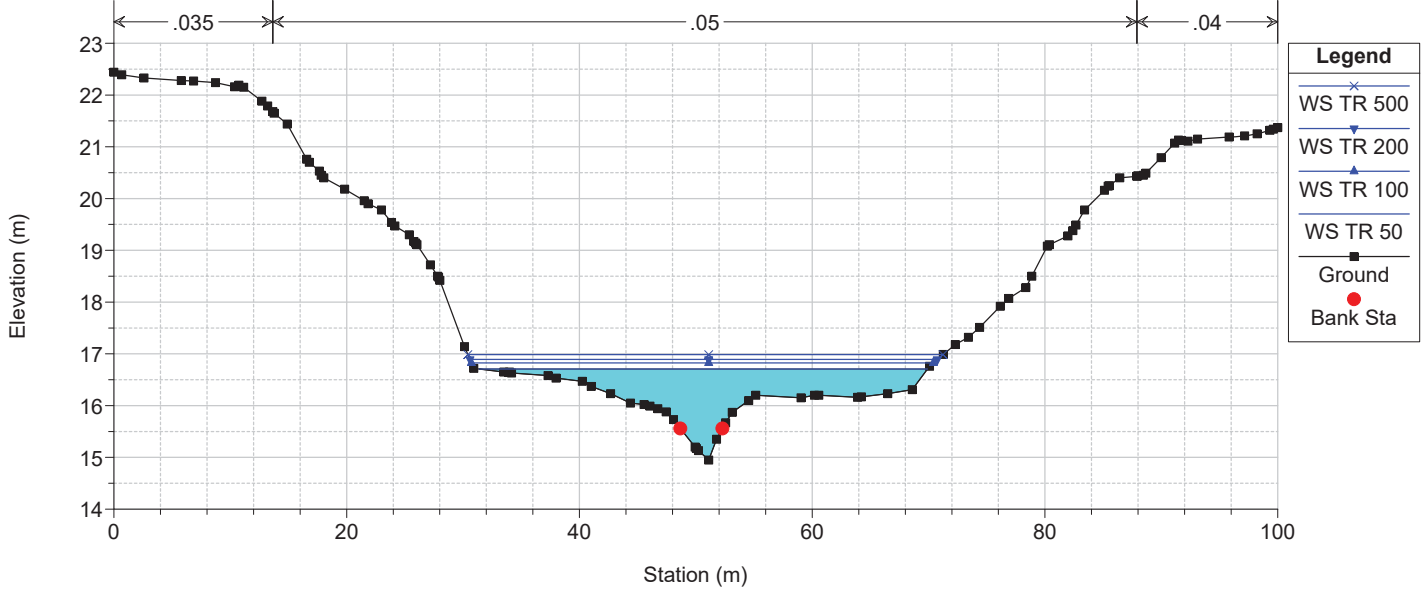
River = Fiume_123513 Reach = C51 RS = 140 COMUNE DI ALGERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

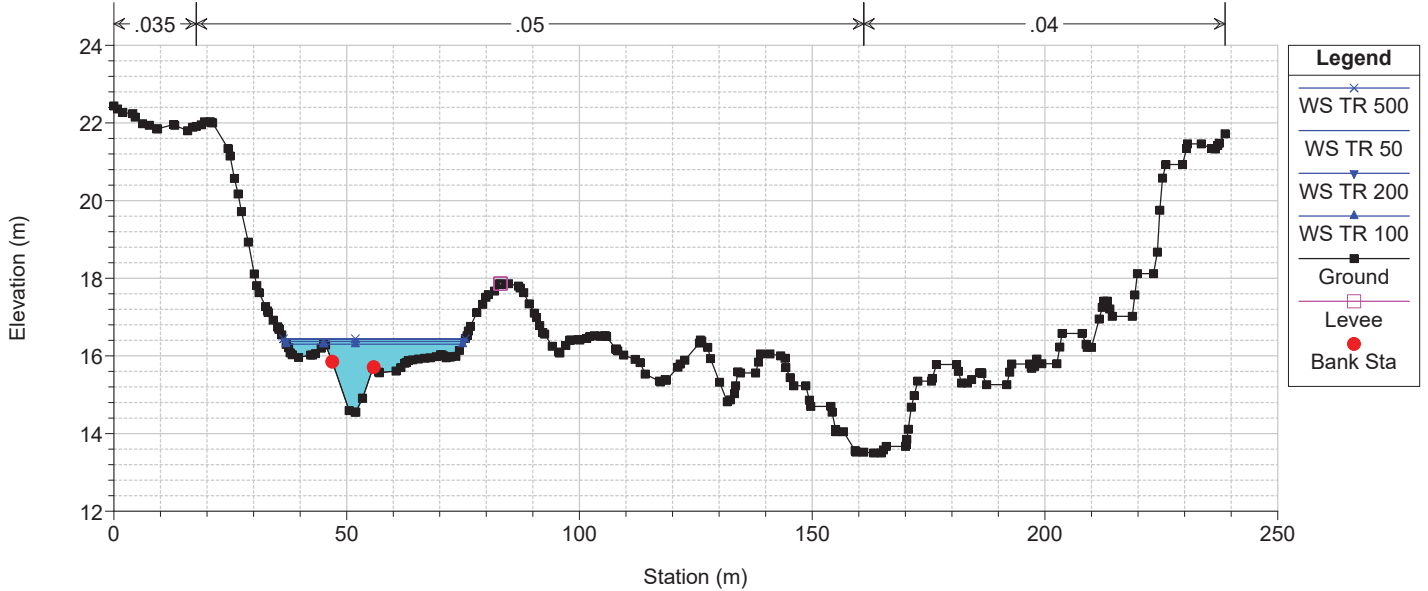
River = Fiume_123513 Reach = C51 RS = 105 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

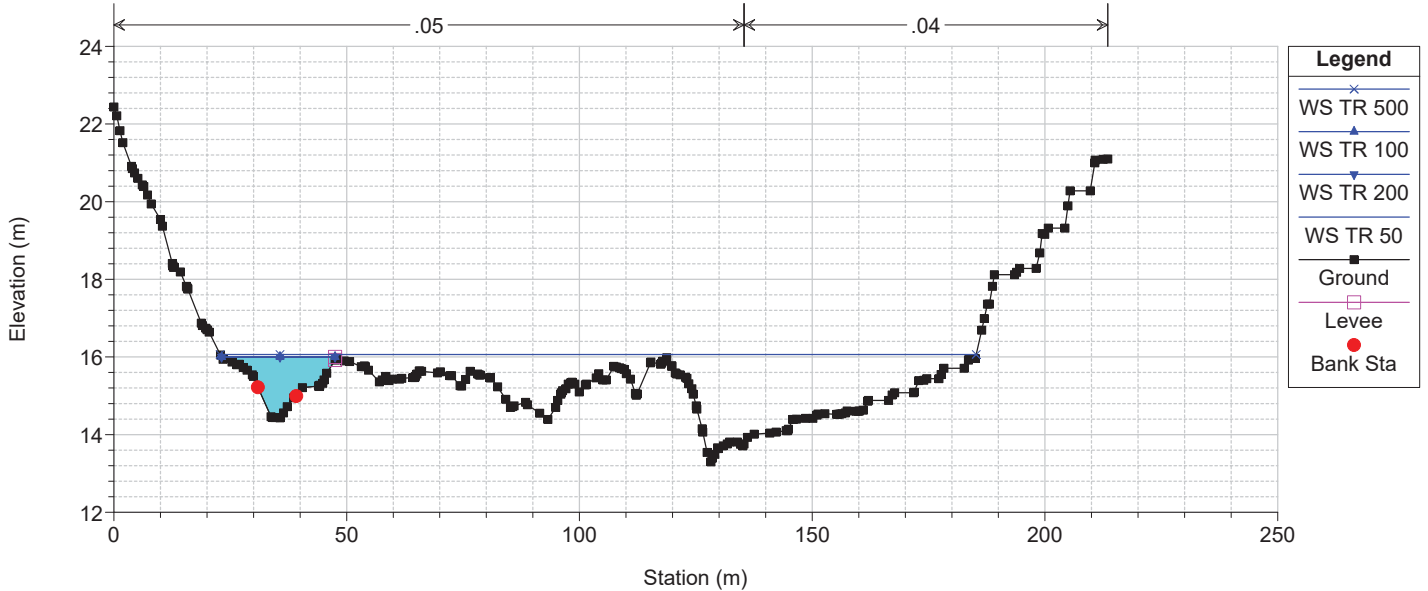
River = Fiume_123513 Reach = C51 RS = 70.00004 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

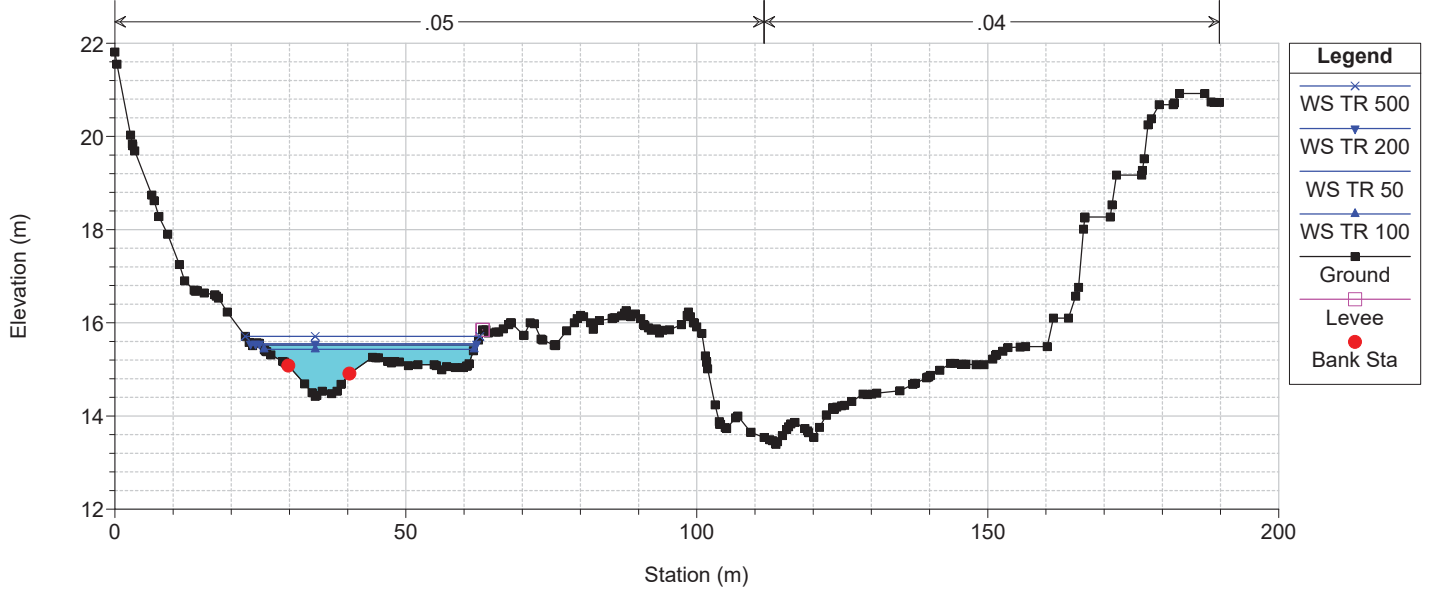
River = Fiume_123513 Reach = C51 RS = 35.04329 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



Fiume_123513 Plan: Plan 01 4/26/2021

Geom: Fiume_123513 Flow: Fiume_123513

River = Fiume_123513 Reach = C51 RS = 1.060523 COMUNE DI ALGHERO - VERIFICHE DI SICUREZZA IDRAULICA ATTRAV. S.C.



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
C51	1155.423	TR 50	37.17	23.38	25.14	24.90	25.26	0.002863	1.78	28.84	47.12	0.50
C51	1155.423	TR 100	43.76	23.38	25.21	25.00	25.34	0.003011	1.89	32.28	49.63	0.51
C51	1155.423	TR 200	50.40	23.38	25.27	25.06	25.42	0.003221	2.01	35.51	53.60	0.53
C51	1155.423	TR 500	59.21	23.38	25.35	25.15	25.52	0.003619	2.21	40.11	65.11	0.57
C51	1120.558	TR 50	37.17	23.24	25.11		25.16	0.001558	1.25	43.30	74.59	0.35
C51	1120.558	TR 100	43.76	23.24	25.19		25.24	0.001618	1.32	49.06	84.82	0.36
C51	1120.558	TR 200	50.40	23.24	25.25		25.31	0.001723	1.40	54.91	99.07	0.38
C51	1120.558	TR 500	59.21	23.24	25.33		25.40	0.001796	1.49	63.79	109.97	0.39
C51	1084.514	TR 50	37.17	23.18	24.99		25.09	0.002534	1.65	32.60	55.41	0.47
C51	1084.514	TR 100	43.76	23.18	25.05		25.16	0.002745	1.77	36.06	57.83	0.49
C51	1084.514	TR 200	50.40	23.18	25.11		25.23	0.002973	1.89	39.12	59.87	0.51
C51	1084.514	TR 500	59.21	23.18	25.17		25.31	0.003188	2.02	43.27	62.54	0.53
C51	1050.013	TR 50	37.17	23.11	24.94		25.00	0.002076	1.40	46.07	104.69	0.40
C51	1050.013	TR 100	43.76	23.11	25.01		25.07	0.002042	1.44	53.43	112.99	0.40
C51	1050.013	TR 200	50.40	23.11	25.07		25.12	0.001985	1.46	60.22	117.27	0.40
C51	1050.013	TR 500	59.21	23.11	25.15		25.20	0.001852	1.47	69.72	122.14	0.39
C51	1015.64	TR 50	37.17	22.94	24.87	24.71	24.93	0.001968	1.30	47.32	115.62	0.39
C51	1015.64	TR 100	43.76	22.94	24.95		25.00	0.001812	1.30	56.02	124.68	0.38
C51	1015.64	TR 200	50.40	22.94	25.01		25.06	0.001711	1.31	64.19	136.20	0.37
C51	1015.64	TR 500	59.21	22.94	25.09		25.14	0.001620	1.32	76.29	156.77	0.36
C51	980.0017	TR 50	37.17	22.80	24.57	24.49	24.79	0.007754	2.25	20.93	48.24	0.75
C51	980.0017	TR 100	43.76	22.80	24.65	24.62	24.87	0.007286	2.31	24.79	53.63	0.74
C51	980.0017	TR 200	50.40	22.80	24.73	24.67	24.94	0.006681	2.32	28.91	56.58	0.71
C51	980.0017	TR 500	59.21	22.80	24.83		25.03	0.005643	2.27	35.46	63.13	0.67
C51	945.1699	TR 50	37.17	22.55	24.66		24.68	0.000636	0.60	68.37	107.11	0.20
C51	945.1699	TR 100	43.76	22.55	24.73		24.75	0.000650	0.64	76.70	111.48	0.20
C51	945.1699	TR 200	50.40	22.55	24.81		24.83	0.000657	0.68	84.85	117.27	0.21
C51	945.1699	TR 500	59.21	22.55	24.90		24.93	0.000658	0.72	96.88	129.00	0.21
C51	910	TR 50	37.17	22.35	24.60		24.64	0.001666	1.57	52.23	108.92	0.35
C51	910	TR 100	43.76	22.35	24.68		24.72	0.001560	1.56	61.35	116.00	0.34
C51	910	TR 200	50.40	22.35	24.76		24.79	0.001414	1.52	70.76	127.69	0.32
C51	910	TR 500	59.21	22.35	24.86		24.89	0.001373	1.55	84.48	138.49	0.32
C51	875.0895	TR 50	37.17	22.20	24.56		24.59	0.001107	0.79	54.25	86.40	0.26
C51	875.0895	TR 100	43.76	22.20	24.64		24.67	0.001093	0.83	61.21	88.39	0.26
C51	875.0895	TR 200	50.40	22.20	24.72		24.75	0.001074	0.86	68.02	90.35	0.26
C51	875.0895	TR 500	59.21	22.20	24.81		24.85	0.001069	0.91	77.66	101.79	0.27
C51	840.147	TR 50	37.17	22.17	24.50		24.54	0.001668	0.97	42.14	60.14	0.32
C51	840.147	TR 100	43.76	22.17	24.57		24.62	0.001732	1.04	46.78	63.50	0.33
C51	840.147	TR 200	50.40	22.17	24.64		24.70	0.001761	1.10	51.55	68.71	0.34
C51	840.147	TR 500	59.21	22.17	24.74		24.80	0.001771	1.17	58.56	76.86	0.34
C51	805.1482	TR 50	37.17	22.10	24.39		24.47	0.002380	2.05	37.29	56.66	0.44
C51	805.1482	TR 100	43.76	22.10	24.46		24.54	0.002544	2.16	41.37	59.56	0.46
C51	805.1482	TR 200	50.40	22.10	24.53		24.62	0.002705	2.27	45.68	65.74	0.47
C51	805.1482	TR 500	59.21	22.10	24.62		24.72	0.002972	2.44	52.10	76.10	0.50
C51	770.0579	TR 50	37.17	22.08	24.26		24.36	0.004025	1.39	27.68	41.00	0.48
C51	770.0579	TR 100	43.76	22.08	24.30		24.42	0.004752	1.56	29.32	42.56	0.53
C51	770.0579	TR 200	50.40	22.08	24.34		24.48	0.005433	1.71	30.94	44.37	0.57
C51	770.0579	TR 500	59.21	22.08	24.38		24.56	0.006323	1.91	32.97	46.84	0.62
C51	734.9999	TR 50	37.17	21.96	24.24		24.27	0.001192	0.81	48.25	72.31	0.27
C51	734.9999	TR 100	43.76	21.96	24.27		24.31	0.001431	0.91	50.93	73.88	0.30
C51	734.9999	TR 200	50.40	21.96	24.31		24.36	0.001652	1.00	53.61	74.94	0.32
C51	734.9999	TR 500	59.21	21.96	24.35		24.41	0.001935	1.11	56.95	76.45	0.35
C51	700.1494	TR 50	37.17	21.93	24.22		24.24	0.000537	0.54	70.42	98.19	0.18
C51	700.1494	TR 100	43.76	21.93	24.26		24.28	0.000651	0.61	73.80	98.90	0.20
C51	700.1494	TR 200	50.40	21.93	24.29		24.31	0.000758	0.68	77.16	99.60	0.22
C51	700.1494	TR 500	59.21	21.93	24.33		24.36	0.000899	0.76	81.32	101.99	0.24
C51	665	TR 50	37.17	21.90	24.20		24.22	0.000428	0.62	62.06	74.07	0.17
C51	665	TR 100	43.76	21.90	24.23		24.25	0.000550	0.72	64.14	76.59	0.20
C51	665	TR 200	50.40	21.90	24.25		24.29	0.000678	0.81	66.23	79.05	0.22
C51	665	TR 500	59.21	21.90	24.29		24.33	0.000860	0.92	68.75	82.88	0.25
C51	630.0247	TR 50	37.17	21.90	24.20		24.21	0.000129	0.38	101.09	93.92	0.10
C51	630.0247	TR 100	43.76	21.90	24.23		24.24	0.000168	0.44	103.74	95.62	0.11
C51	630.0247	TR 200	50.40	21.90	24.26		24.27	0.000208	0.49	106.42	100.38	0.13
C51	630.0247	TR 500	59.21	21.90	24.29		24.30	0.000266	0.56	109.74	106.16	0.15
C51	583.3764	TR 50	37.17	21.94	24.20	23.23	24.20	0.000054	0.26	145.91	213.40	0.09
C51	583.3764	TR 100	43.76	21.94	24.23	23.27	24.23	0.000066	0.30	151.96	216.23	0.10
C51	583.3764	TR 200	50.40	21.94	24.26	23.32	24.26	0.000079	0.33	157.92	217.44	0.11

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
C51	583.3764	TR 500	59.21	21.94	24.29	23.38	24.29	0.000096	0.37	164.98	219.15	0.13
C51	573.5793		Culvert									
C51	562.5986	TR 50	37.17	21.80	23.46	23.46	23.60	0.000907	2.39	34.21	100.48	0.63
C51	562.5986	TR 100	43.76	21.80	23.49	23.49	23.65	0.001035	2.59	37.18	102.93	0.67
C51	562.5986	TR 200	50.40	21.80	23.53	23.53	23.69	0.001072	2.68	41.39	112.21	0.69
C51	562.5986	TR 500	59.21	21.80	23.57	23.57	23.74	0.001166	2.84	45.96	118.83	0.72
C51	524.6843	TR 50	37.17	21.46	21.97	22.11	23.38	0.022822	5.81	8.12	25.86	2.67
C51	524.6843	TR 100	43.76	21.46	22.03	22.37	23.42	0.019862	5.85	9.69	28.05	2.54
C51	524.6843	TR 200	50.40	21.46	22.08	22.40	23.46	0.017748	5.89	11.21	29.44	2.44
C51	524.6843	TR 500	59.21	21.46	22.15	22.48	23.51	0.016567	6.10	16.82	69.46	2.40
C51	490.1598	TR 50	37.17	21.12	22.09	21.76	22.13	0.000779	0.94	46.64	95.33	0.34
C51	490.1598	TR 100	43.76	21.12	22.14	21.82	22.19	0.000820	1.00	51.52	97.35	0.36
C51	490.1598	TR 200	50.40	21.12	22.19	21.87	22.24	0.000862	1.06	55.95	98.89	0.37
C51	490.1598	TR 500	59.21	21.12	22.23	21.93	22.29	0.000956	1.16	60.43	100.42	0.39
C51	475.104	TR 50	37.17	20.81	22.06	21.83	22.12	0.000783	1.14	38.74	81.96	0.44
C51	475.104	TR 100	43.76	20.81	22.10	21.89	22.17	0.000866	1.23	42.69	90.03	0.46
C51	475.104	TR 200	50.40	20.81	22.14	21.93	22.22	0.000953	1.32	46.37	94.04	0.48
C51	475.104	TR 500	59.21	20.81	22.18	21.97	22.27	0.001108	1.45	49.87	97.06	0.52
C51	469.189		Culvert									
C51	465.8286	TR 50	37.17	20.75	21.67	21.67	21.84	0.004533	2.20	25.44	66.25	0.78
C51	465.8286	TR 100	43.76	20.75	21.71	21.71	21.90	0.004673	2.31	28.30	69.01	0.80
C51	465.8286	TR 200	50.40	20.75	21.73	21.73	21.95	0.005551	2.55	29.47	73.65	0.87
C51	465.8286	TR 500	59.21	20.75	21.73	21.73	22.03	0.007660	2.99	29.47	73.65	1.02
C51	455.0618	TR 50	37.17	19.84	21.42	20.84	21.50	0.000599	1.29	29.98	31.84	0.37
C51	455.0618	TR 100	43.76	19.84	21.53	20.91	21.62	0.000600	1.37	33.65	34.93	0.38
C51	455.0618	TR 200	50.40	19.84	21.62	20.99	21.72	0.000620	1.46	36.85	36.95	0.39
C51	455.0618	TR 500	59.21	19.84	21.71	21.08	21.83	0.000663	1.58	40.34	38.31	0.41
C51	420.2246	TR 50	37.17	19.93	21.42	20.74	21.48	0.000363	1.07	36.12	37.43	0.31
C51	420.2246	TR 100	43.76	19.93	21.53	20.81	21.60	0.000374	1.15	40.55	42.00	0.32
C51	420.2246	TR 200	50.40	19.93	21.62	20.88	21.70	0.000394	1.23	44.34	43.35	0.33
C51	420.2246	TR 500	59.21	19.93	21.71	20.95	21.80	0.000434	1.35	48.46	45.51	0.35
C51	385.5912	TR 50	37.17	19.80	21.08	21.08	21.42	0.002945	2.61	14.99	25.95	0.96
C51	385.5912	TR 100	43.76	19.80	21.16	21.16	21.54	0.002935	2.74	17.31	28.77	0.95
C51	385.5912	TR 200	50.40	19.80	21.29	21.29	21.64	0.002452	2.68	21.95	44.45	0.87
C51	385.5912	TR 500	59.21	19.80	21.42	21.42	21.75	0.002101	2.64	28.92	59.59	0.80
C51	350.4573	TR 50	37.17	19.57	20.82	20.96	21.28	0.004836	4.24	21.42	52.74	1.31
C51	350.4573	TR 100	43.76	19.57	20.86	21.01	21.39	0.005406	4.59	23.44	54.09	1.40
C51	350.4573	TR 200	50.40	19.57	20.89	21.06	21.49	0.006063	4.94	24.99	54.79	1.49
C51	350.4573	TR 500	59.21	19.57	20.93	21.14	21.60	0.006551	5.27	27.42	55.88	1.56
C51	315.083	TR 50	37.17	19.13	20.26	20.50	21.03	0.008690	4.97	15.51	41.19	1.63
C51	315.083	TR 100	43.76	19.13	20.31	20.55	21.12	0.008924	5.20	17.63	42.79	1.66
C51	315.083	TR 200	50.40	19.13	20.36	20.61	21.20	0.009189	5.42	19.52	43.69	1.70
C51	315.083	TR 500	59.21	19.13	20.41	20.69	21.30	0.009339	5.65	21.95	44.31	1.72
C51	280.2557	TR 50	37.17	18.45	19.44	19.62	20.49	0.028138	5.14	9.80	21.62	1.83
C51	280.2557	TR 100	43.76	18.45	19.50	19.87	20.59	0.026131	5.25	11.31	22.35	1.79
C51	280.2557	TR 200	50.40	18.45	19.57	19.93	20.68	0.024408	5.33	12.83	24.23	1.75
C51	280.2557	TR 500	59.21	18.45	19.68	20.02	20.81	0.021198	5.36	15.80	29.14	1.67
C51	245.8543	TR 50	37.17	17.35	18.61	18.79	19.35	0.032890	4.00	10.38	11.76	1.18
C51	245.8543	TR 100	43.76	17.35	18.74	19.07	19.53	0.030861	4.15	11.92	12.40	1.16
C51	245.8543	TR 200	50.40	17.35	18.89	19.14	19.69	0.027892	4.24	13.90	15.91	1.12
C51	245.8543	TR 500	59.21	17.35	19.21	19.21	19.51	0.010100	2.91	29.01	43.35	0.70
C51	210	TR 50	37.17	16.82	18.13	18.09	18.33	0.010284	2.31	21.50	44.88	0.69
C51	210	TR 100	43.76	16.82	18.03	18.14	18.46	0.023592	3.29	17.38	37.43	1.03
C51	210	TR 200	50.40	16.82	18.04	18.25	18.59	0.029708	3.72	17.77	37.86	1.16
C51	210	TR 500	59.21	16.82	18.03	18.30	18.81	0.042274	4.42	17.54	37.55	1.38
C51	175.2664	TR 50	37.17	16.18	17.62	17.62	17.86	0.018274	2.88	19.39	35.87	0.85
C51	175.2664	TR 100	43.76	16.18	17.72	17.68	17.94	0.016052	2.84	22.90	39.33	0.81
C51	175.2664	TR 200	50.40	16.18	17.80	17.73	18.03	0.015740	2.93	26.28	43.27	0.81
C51	175.2664	TR 500	59.21	16.18	17.90	17.83	18.13	0.013932	2.89	30.63	44.53	0.77
C51	140	TR 50	37.17	15.94	17.19		17.37	0.010114	2.05	21.70	34.19	0.64
C51	140	TR 100	43.76	15.94	17.22		17.44	0.012318	2.31	22.79	34.84	0.71
C51	140	TR 200	50.40	15.94	17.29		17.53	0.012670	2.43	25.04	36.94	0.73
C51	140	TR 500	59.21	15.94	17.36		17.64	0.013253	2.59	27.95	39.95	0.76
C51	105	TR 50	37.17	14.95	16.71	16.71	16.95	0.013884	2.91	20.88	38.51	0.77
C51	105	TR 100	43.76	14.95	16.83	16.78	17.03	0.011082	2.74	25.50	39.69	0.70

HEC-RAS Plan: Plan 01 River: Fiume_123513 Reach: C51 (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
C51	105	TR 200	50.40	14.95	16.89		17.11	0.011036	2.81	28.19	40.17	0.70
C51	105	TR 500	59.21	14.95	16.98		17.20	0.010629	2.86	31.91	40.81	0.69
C51	70.00004	TR 50	37.17	14.55	16.43	16.24	16.56	0.006092	1.87	26.79	38.92	0.51
C51	70.00004	TR 100	43.76	14.55	16.30	16.30	16.58	0.014220	2.68	21.99	37.81	0.77
C51	70.00004	TR 200	50.40	14.55	16.37	16.37	16.66	0.014098	2.76	24.59	38.46	0.77
C51	70.00004	TR 500	59.21	14.55	16.44	16.44	16.76	0.014662	2.92	27.32	39.03	0.79
C51	35.04329	TR 50	37.17	14.43	16.00	15.87	16.26	0.011496	2.51	18.12	24.36	0.71
C51	35.04329	TR 100	43.76	14.43	16.00	16.00	16.00	0.000185	0.32	148.04	161.98	0.09
C51	35.04329	TR 200	50.40	14.43	16.00	16.00	16.01	0.000245	0.37	148.04	161.98	0.10
C51	35.04329	TR 500	59.21	14.43	16.06	16.00	16.07	0.000277	0.40	158.01	162.40	0.11
C51	1.060523	TR 50	37.17	14.42	15.52	15.52	15.76	0.018858	2.48	19.14	37.38	0.85
C51	1.060523	TR 100	43.76	14.42	15.43	15.56	15.93	0.045824	3.58	15.71	36.11	1.30
C51	1.060523	TR 200	50.40	14.42	15.55	15.64	15.94	0.030161	3.20	20.09	38.17	1.08
C51	1.060523	TR 500	59.21	14.42	15.71	15.71	16.01	0.019266	2.85	26.31	40.31	0.89

Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q Culv Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	Culv Vel US (m/s)	Culv Vel DS (m/s)
C51	573.5793 Culvert #1	TR 50	24.20	24.20	24.20	24.20	23.94	1.24	36.04	0.74	2.46	2.46
C51	573.5793 Culvert #1	TR 100	24.23	24.23	24.23	24.23	23.94	1.24	42.57	0.74	2.46	2.46
C51	573.5793 Culvert #1	TR 200	24.26	24.26	24.26	24.26	23.94	1.23	49.37	0.73	2.44	2.44
C51	573.5793 Culvert #1	TR 500	24.29	24.29	24.29	24.29	23.94	1.22	57.98	0.72	2.43	2.43
C51	469.189 Culvert #1	TR 50	22.12	22.06	22.11	22.12	21.51	1.29	35.88	0.39	2.27	2.27
C51	469.189 Culvert #1	TR 100	22.17	22.10	22.17	22.17	21.51	1.30	42.54	0.39	2.30	2.30
C51	469.189 Culvert #1	TR 200	22.22	22.14	22.22	22.22	21.51	1.35	49.10	0.41	2.38	2.38
C51	469.189 Culvert #1	TR 500	22.27	22.18	22.28	22.27	21.51	1.42	57.79	0.45	2.51	2.51