



CIUTAT DE L'ALGUER
CITTA' DI ALGHERO

COMUNE DI ALGHERO

PROVINCIA DI SASSARI



REGIONE AUTÓNOMA 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 NUOVE SIMULAZIONI IN MOTO PERMANENTE CANALE URUNE A VALLE DELLA SEZIONE 7632

REVISIONI				ALLEGATO	SCALA	
n°	MODIFICA	DATA	CTRL		CODICE	
01	Consegna	Agosto 2023	FC	A-4	NOTE	

I Professionisti incaricati :



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

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 (SS)

Studio di Assetto Idraulico del territorio comunale

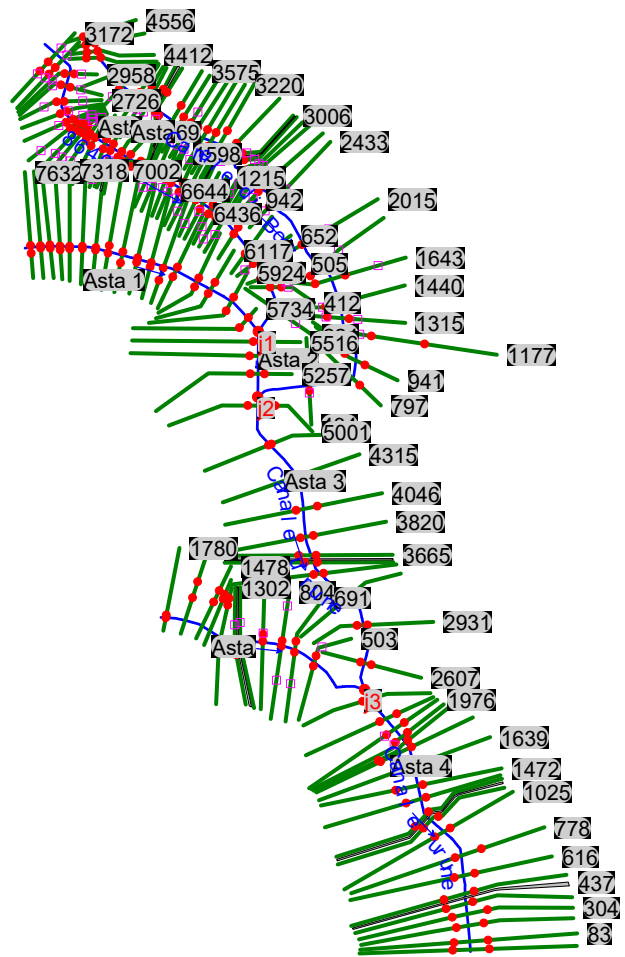
Variante al PAI ai sensi dell'art. 37 comma 3 lettera b) delle N.A.

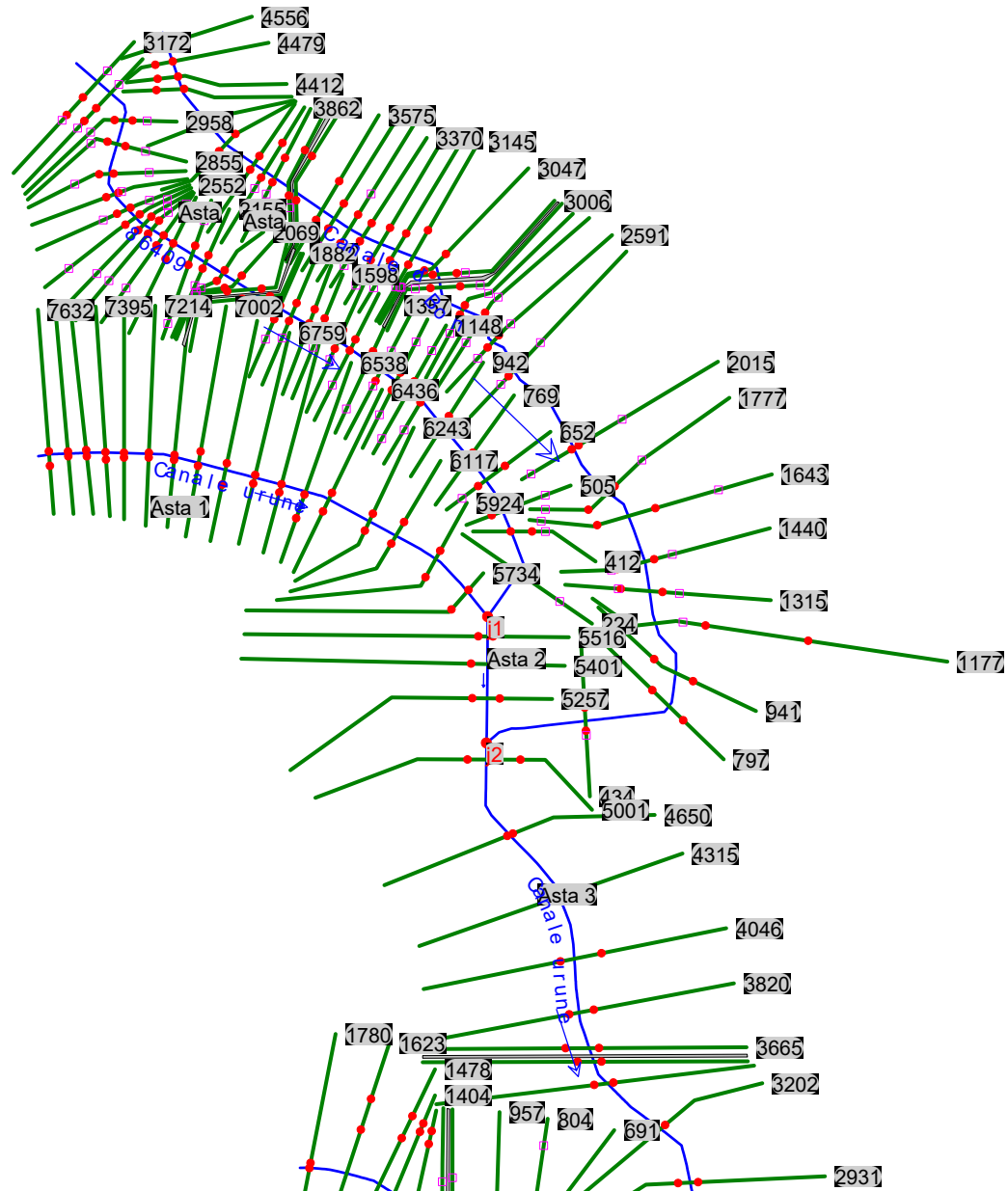
Corpo idrico: Canale Urune a valle della sezione 7632 e relativi affluenti – AGG. Agosto 2023

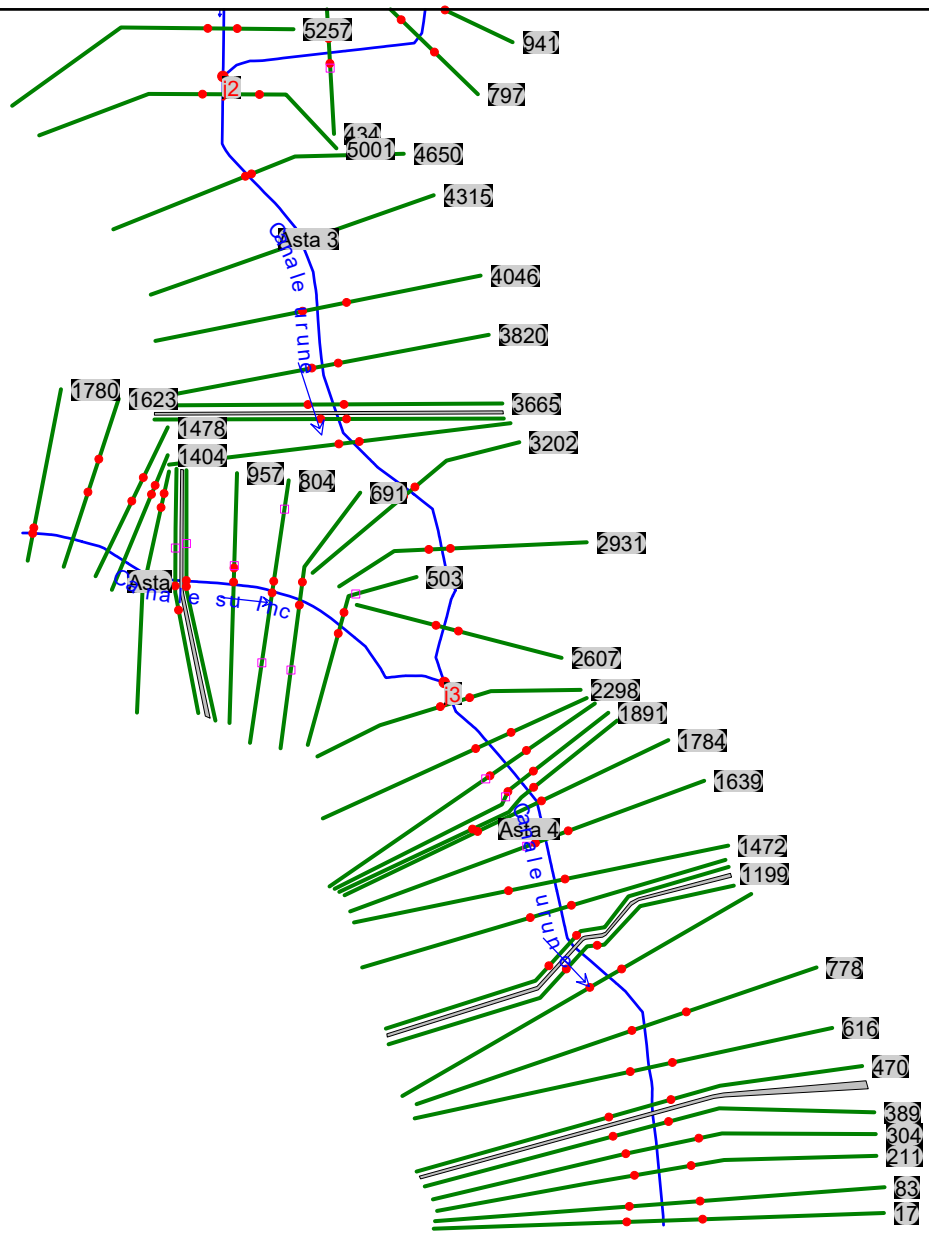
SIMULAZIONI IN MOTO PERMANENTE

River	Reach	RS	PORTATE mc/s			
			tr 50	tr 100	tr 200	tr 500
86409	Asta	3172	55.6	65.9	76.4	90.3
Canale di Bon	Asta	4556	17	20.5	23.9	28.6
Canale di Bon	Asta	2433.408	21.8	26.2	30.6	36.6
Canale su Inc	Asta	1780	20.3	24.2	28.2	33.7
Canale urune	Asta 1	7632	50	65	82	105
Canale urune	Asta 1	6243	61	79	99	126
Canale urune	Asta 2	5516	85	110	137	174
Canale urune	Asta 3	5001	87	111	138	174
Canale urune	Asta 4	2298	100	127	155	193

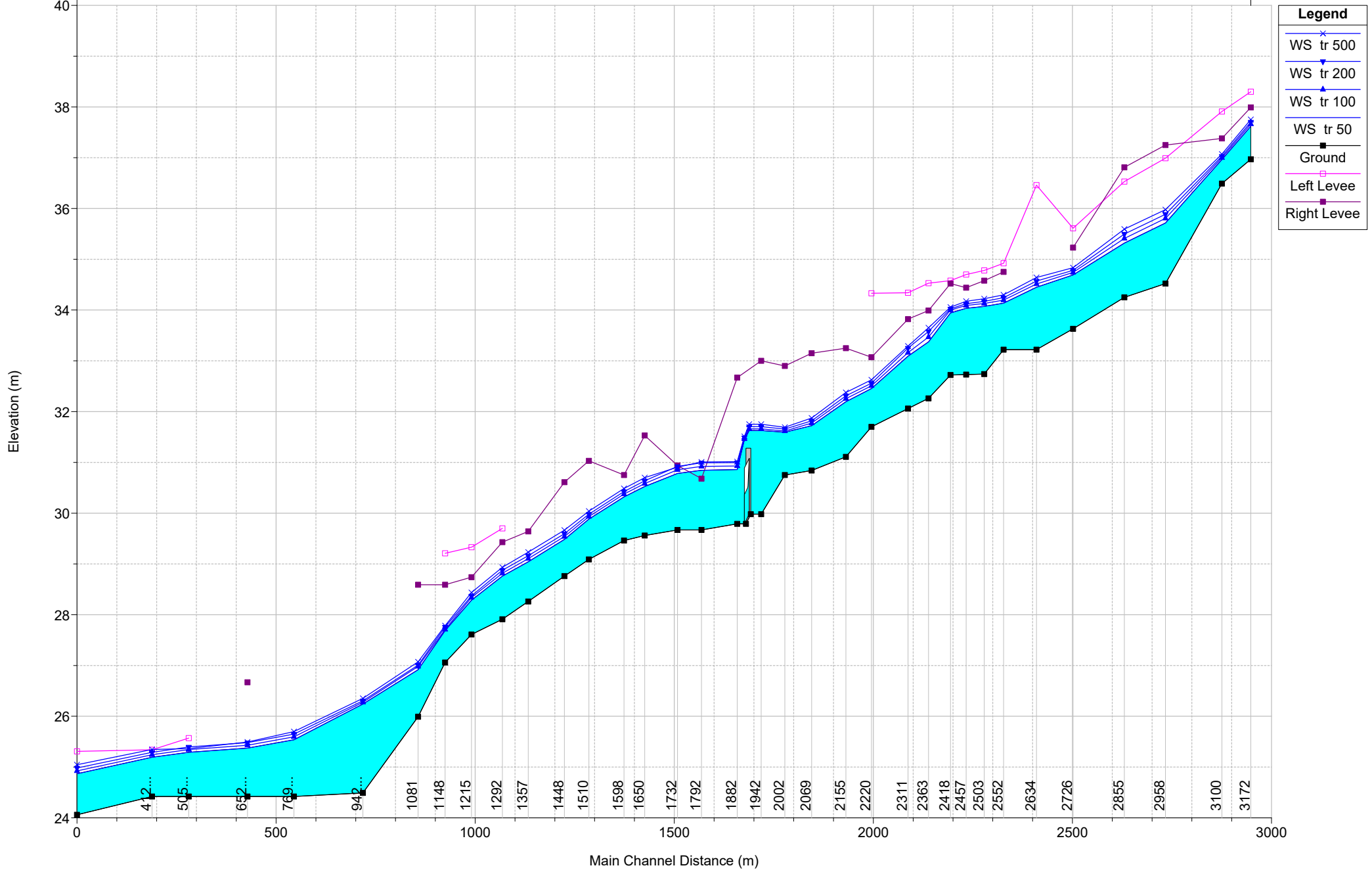
River	Reach	PROFILI	CONDIZIONI AL CONTORNO	
			upstream	downstream
86409	Asta	tutti	Critical depth	junction =j1
Canale di Bon	Asta	tutti	Critical depth	junction =j2
Canale su Inc	Asta	tutti	Critical depth	junction =j3
Canale urune	Asta 1	tutti	Critical depth	junction =j1
Canale urune	Asta 2	tutti	junction =j1	junction =j2
Canale urune	Asta 3	tutti	junction =j2	junction =j3
Canale urune	Asta 4	tutti	junction =j3	Normal depth S = 0.001







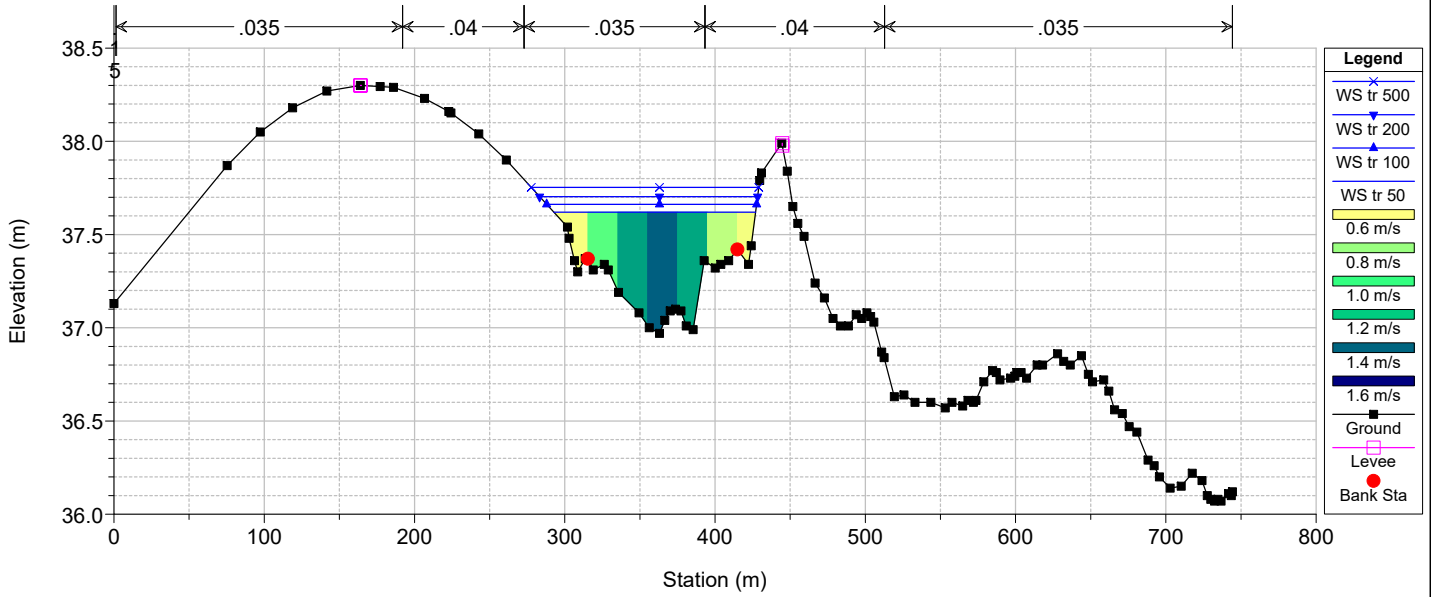
86409 Asta



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

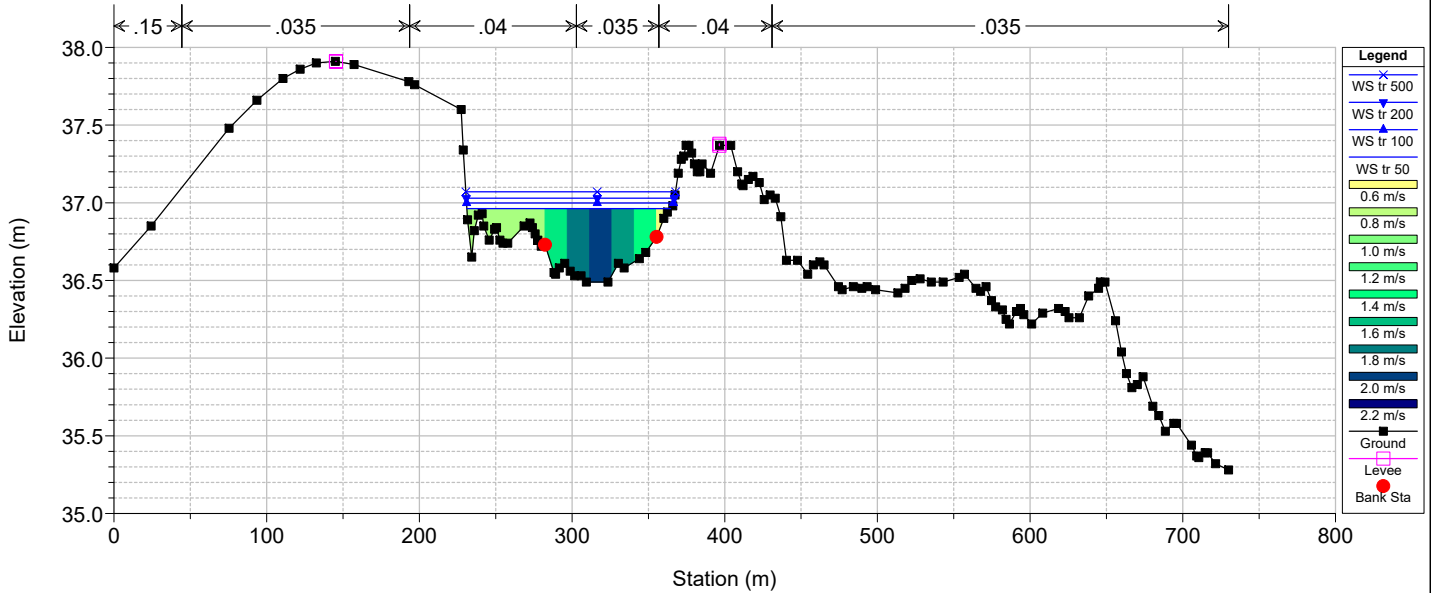
River = 86409 Reach = Asta RS = 3172 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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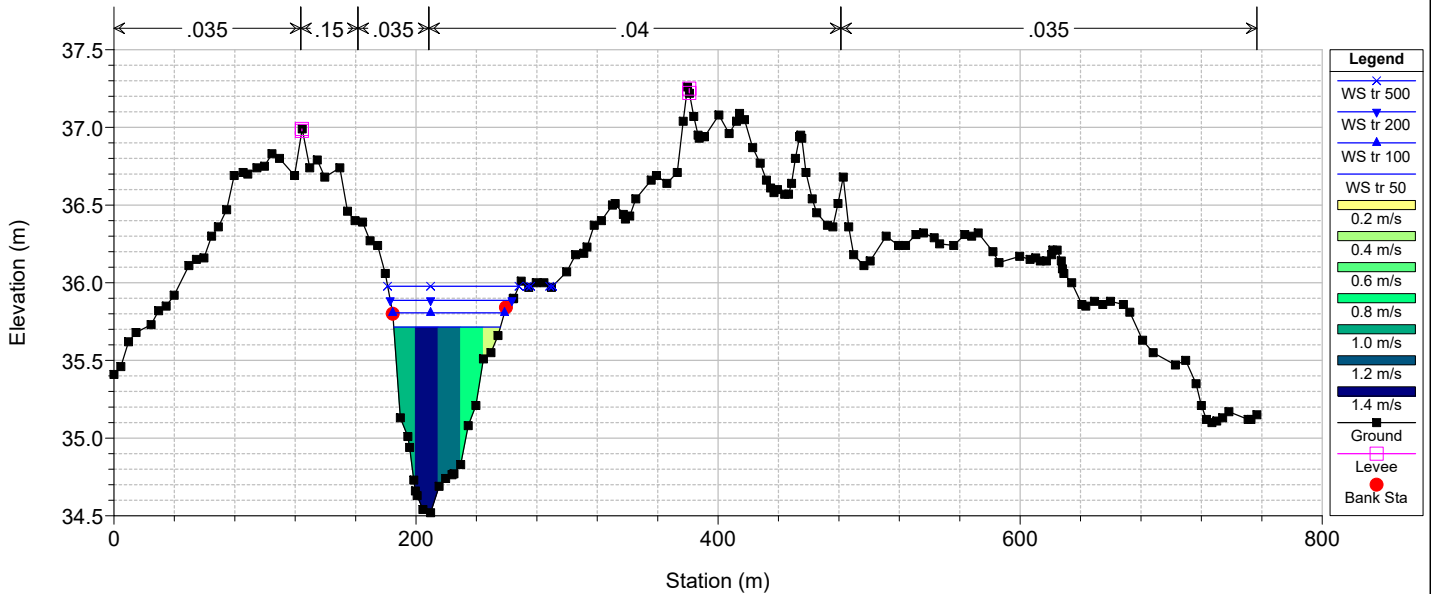
River = 86409 Reach = Asta RS = 3100 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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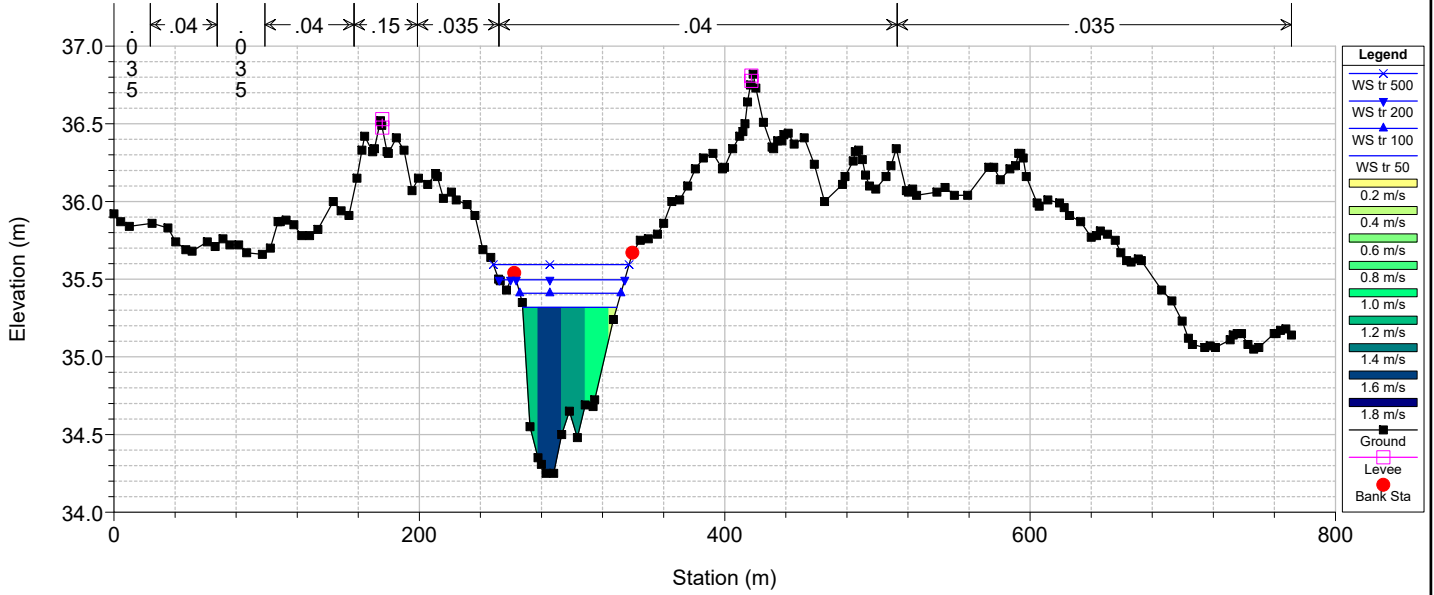
River = 86409 Reach = Asta RS = 2958 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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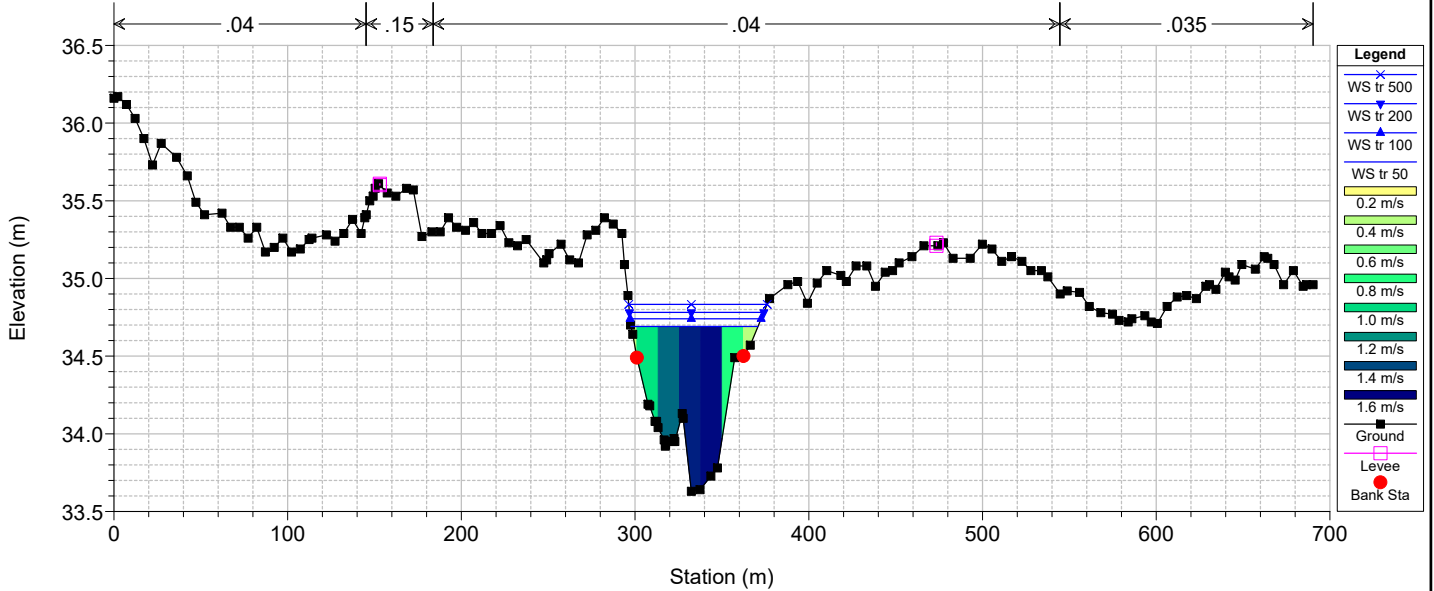
River = 86409 Reach = Asta RS = 2855 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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Geom: URUNE_PSFF_04082023

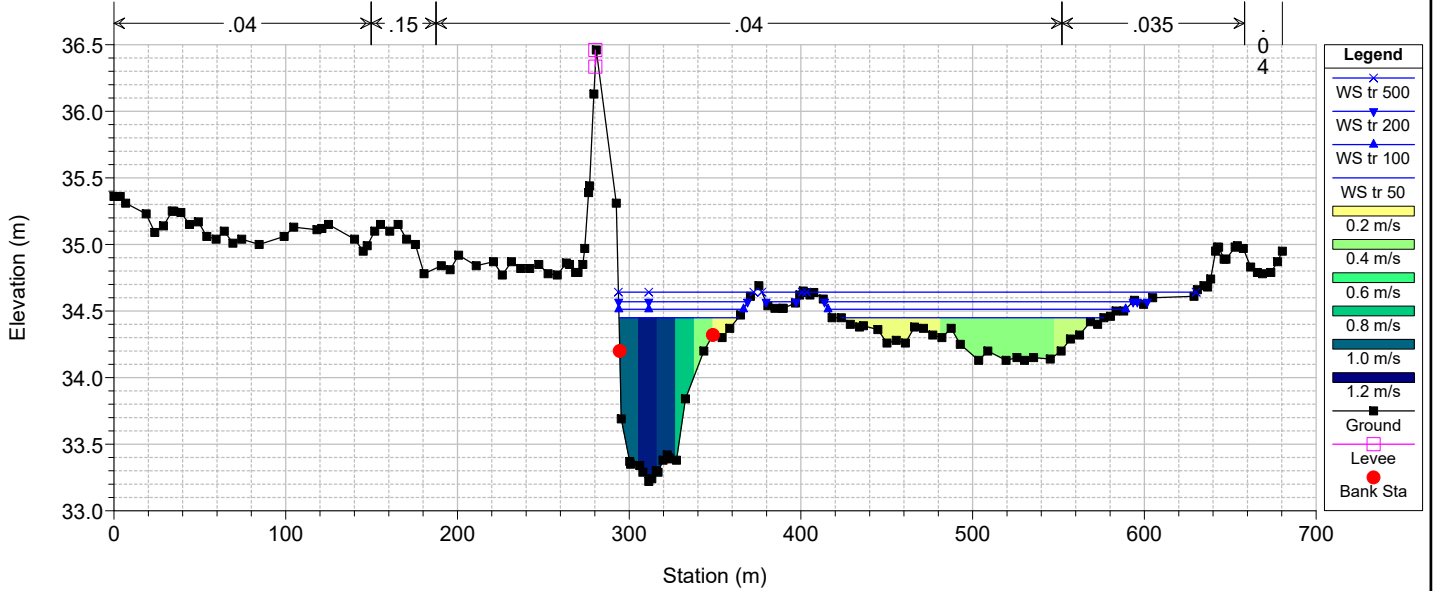
River = 86409 Reach = Asta RS = 2726 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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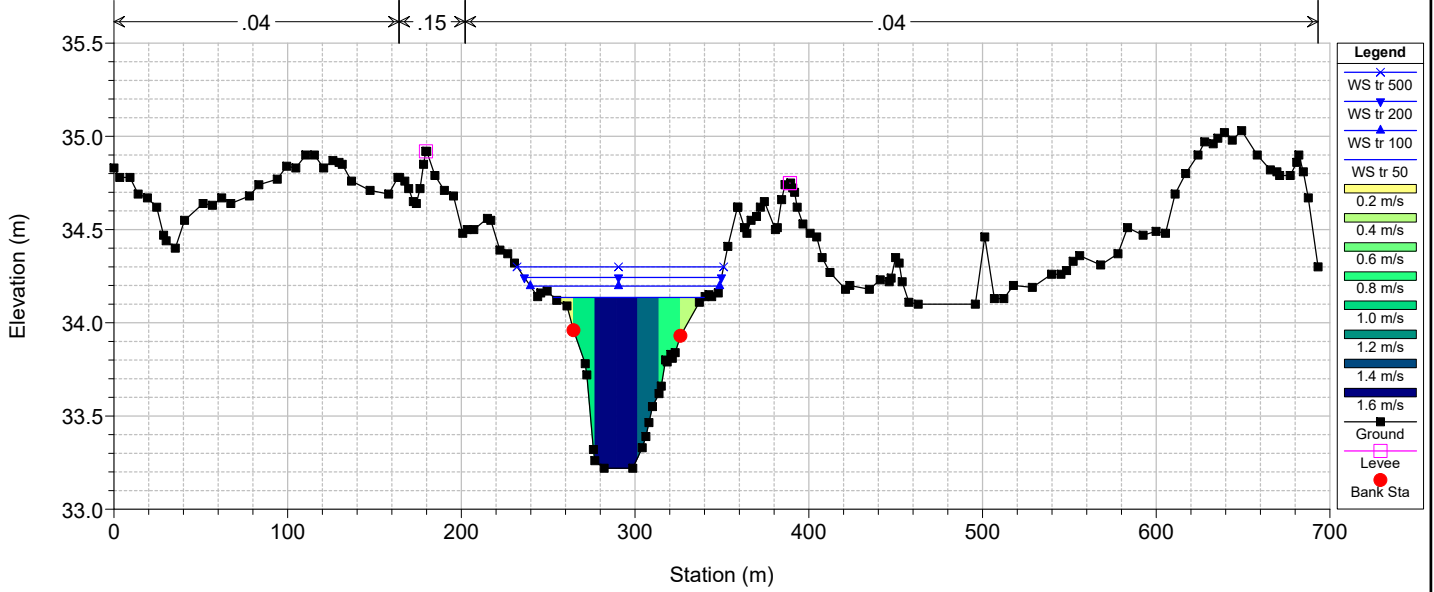
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Geom: URUNE_PSFF_04082023

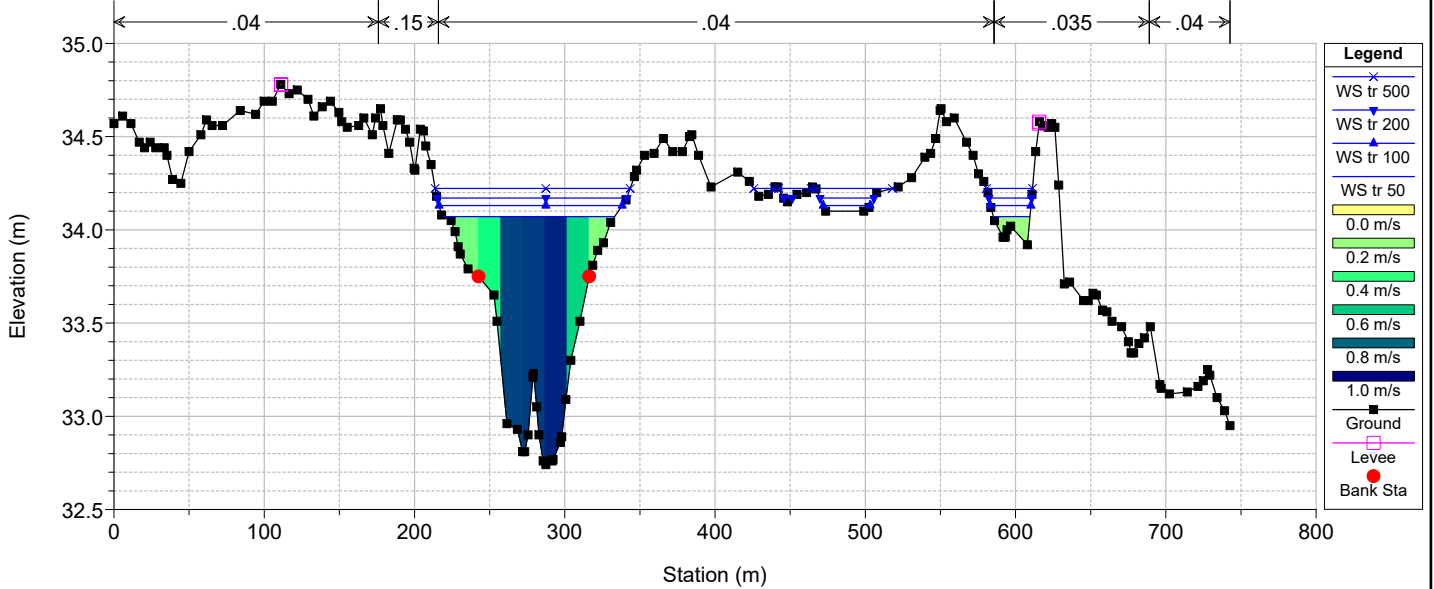
River = 86409 Reach = Asta RS = 2552 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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Geom: URUNE_PSFF_04082023

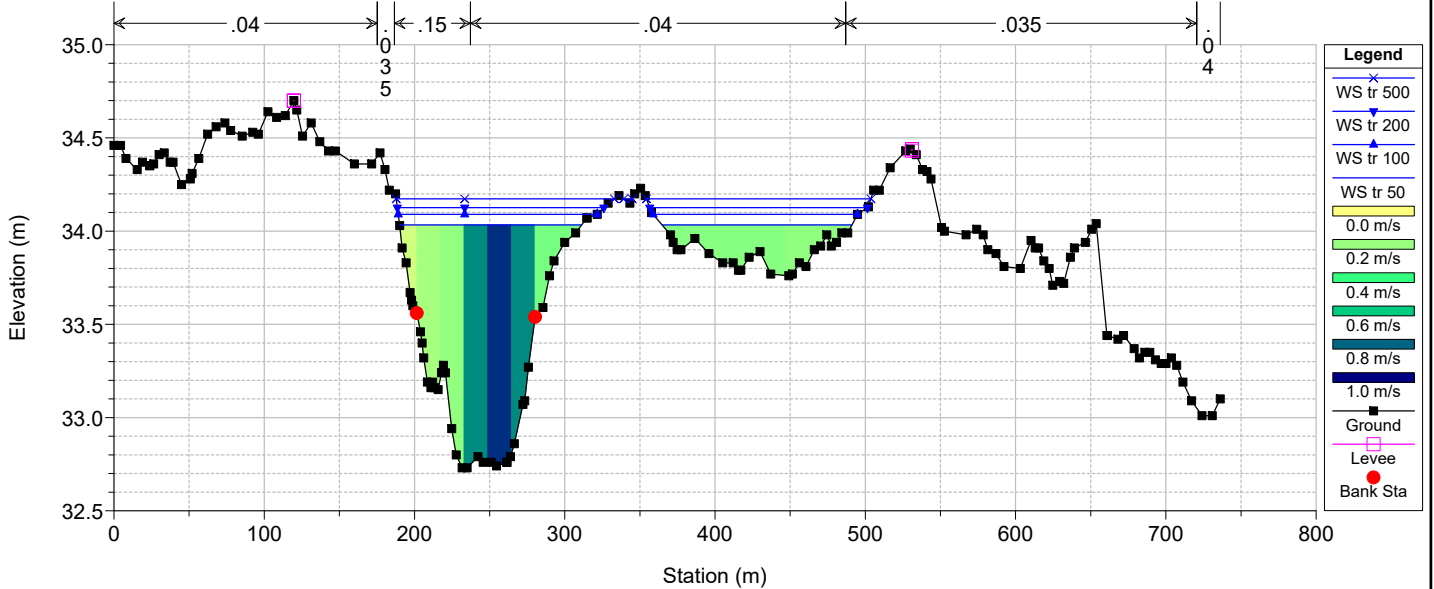
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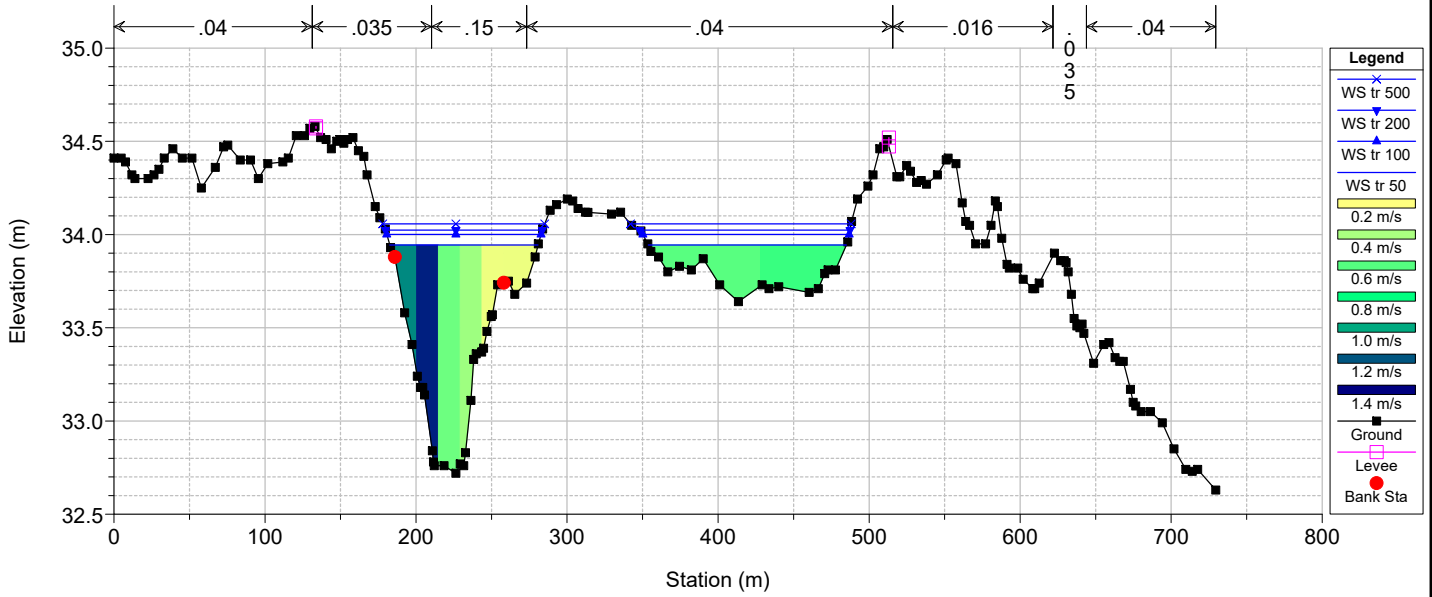
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Geom: URUNE_PSFF_04082023

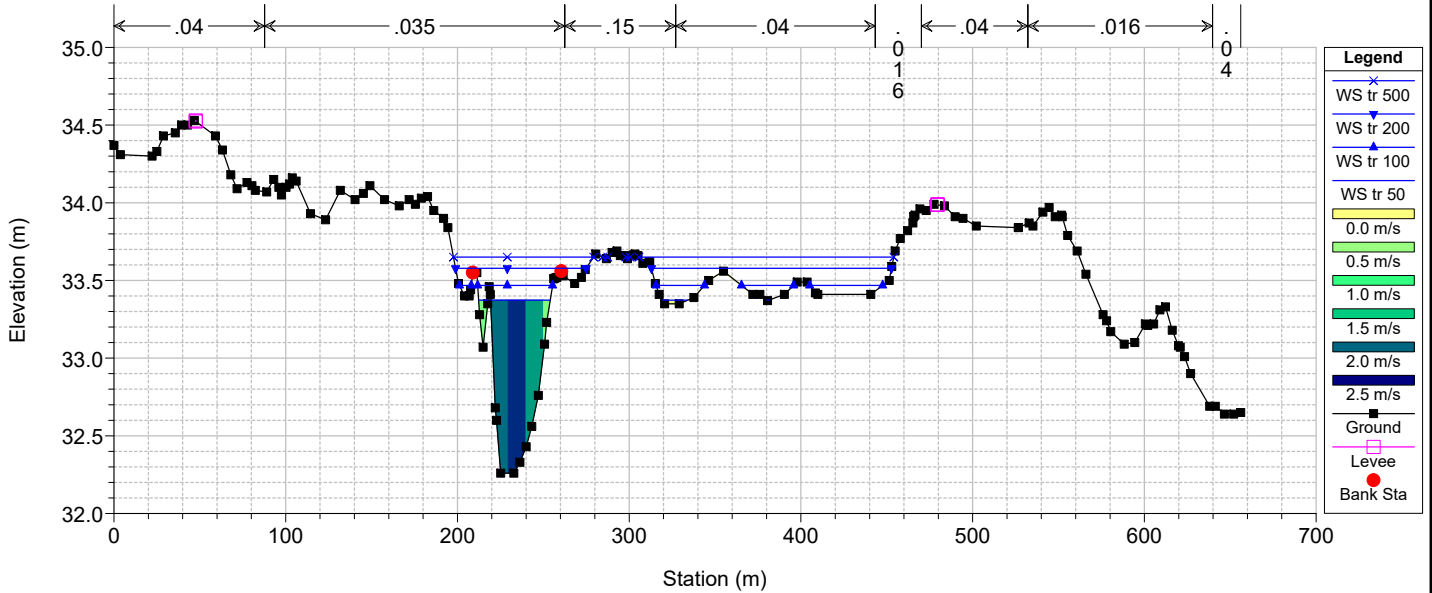
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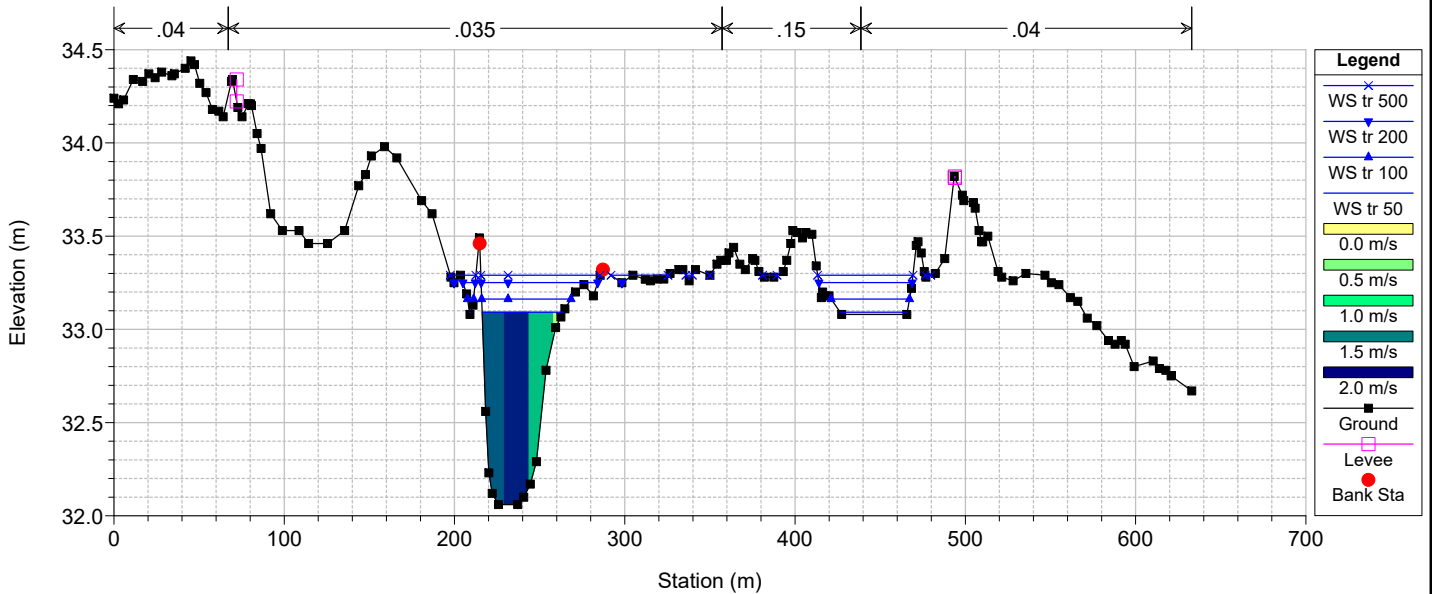
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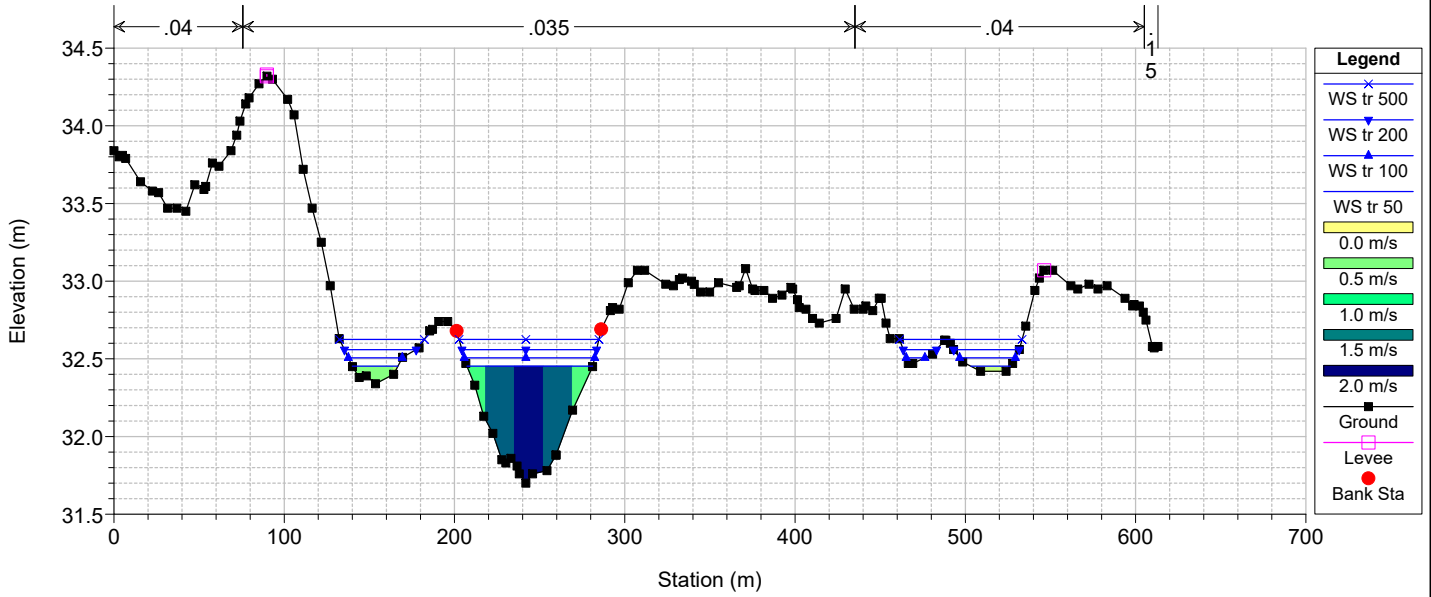
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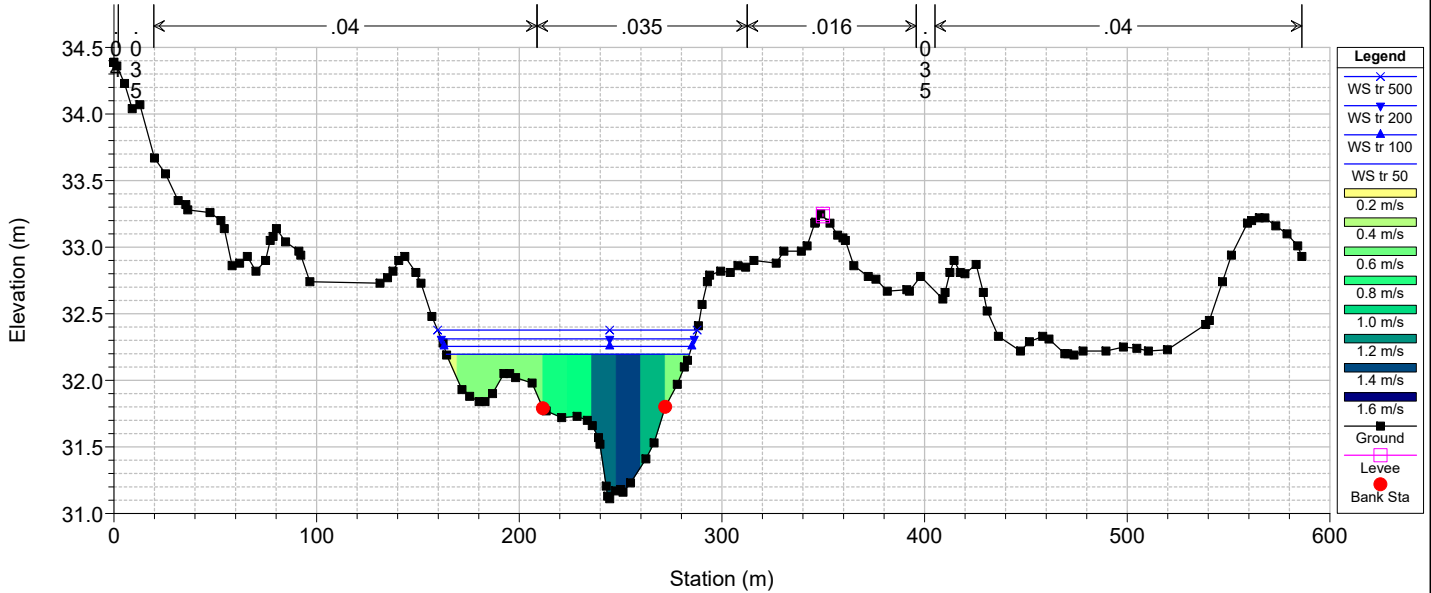
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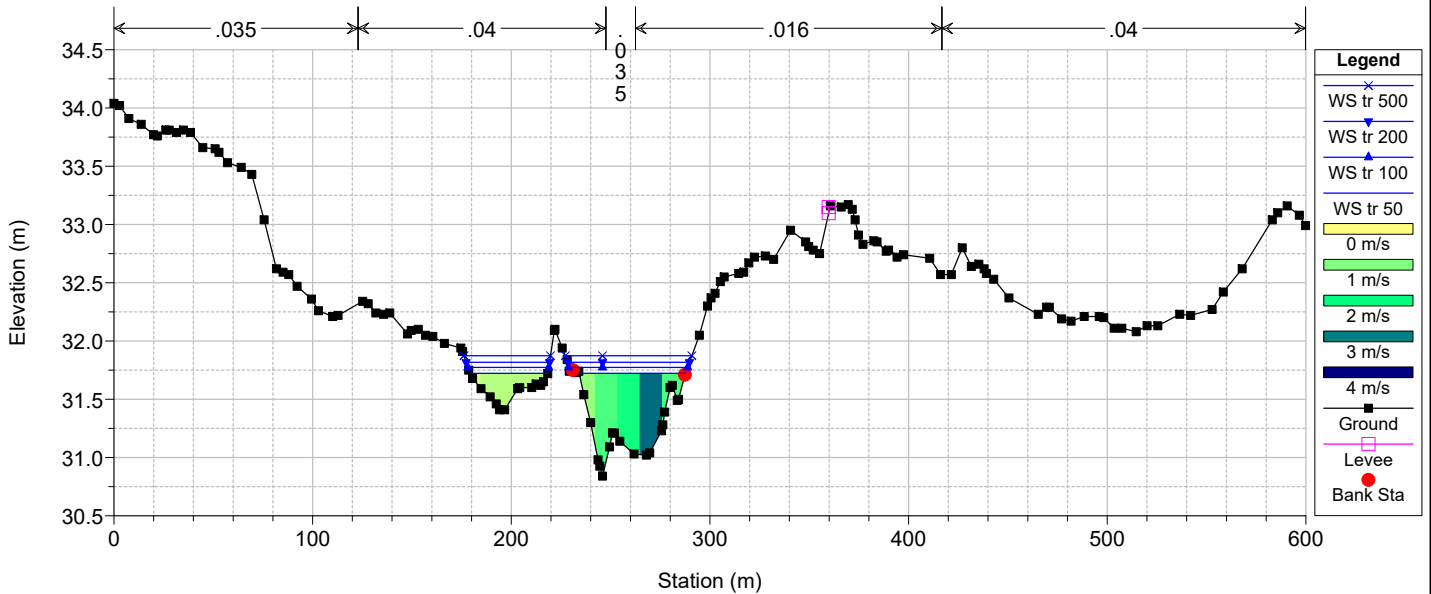
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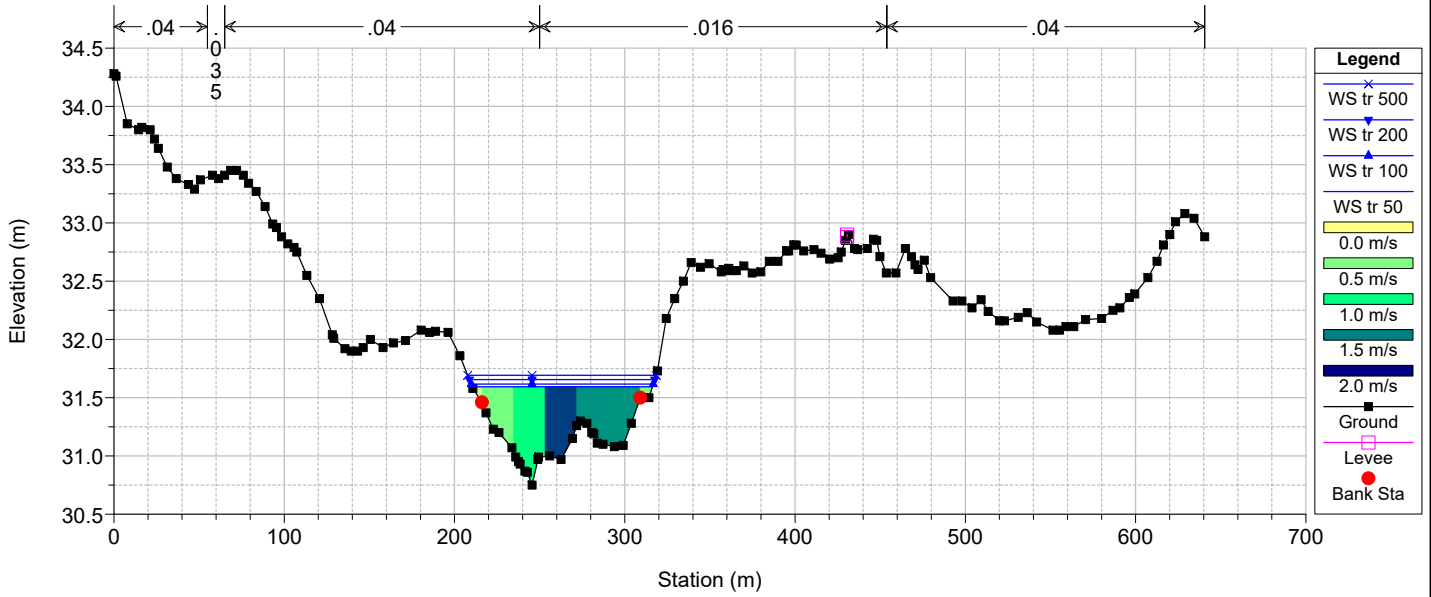
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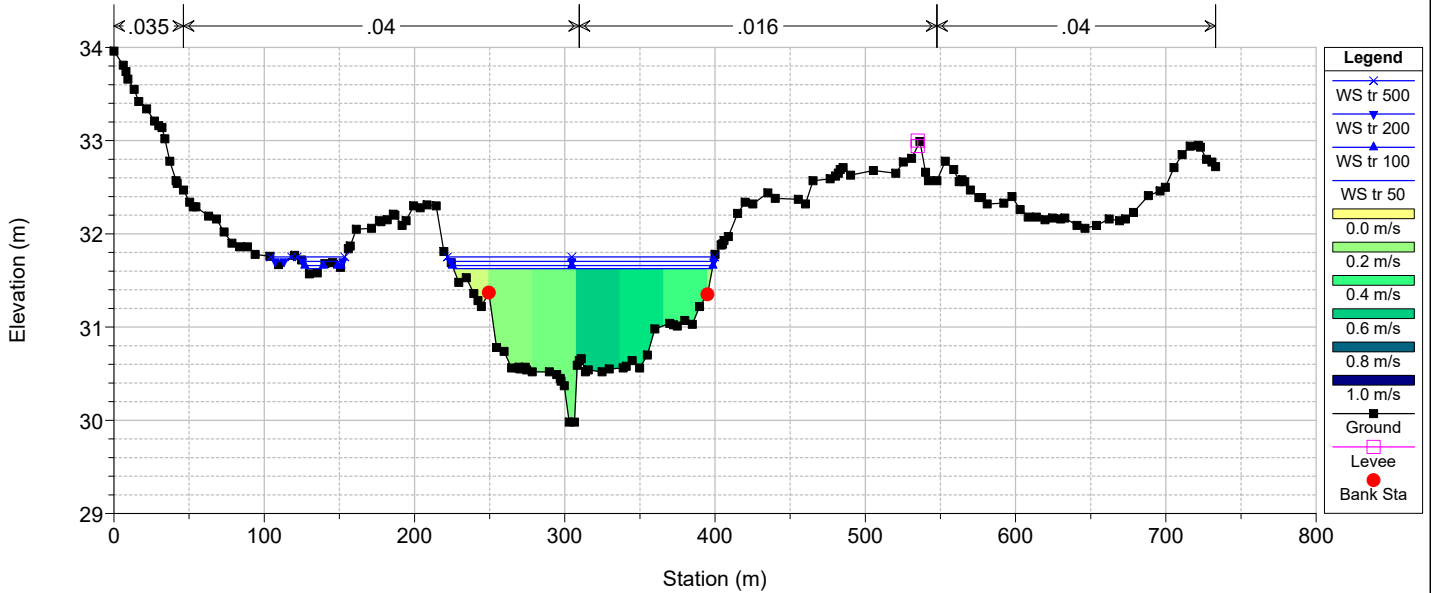
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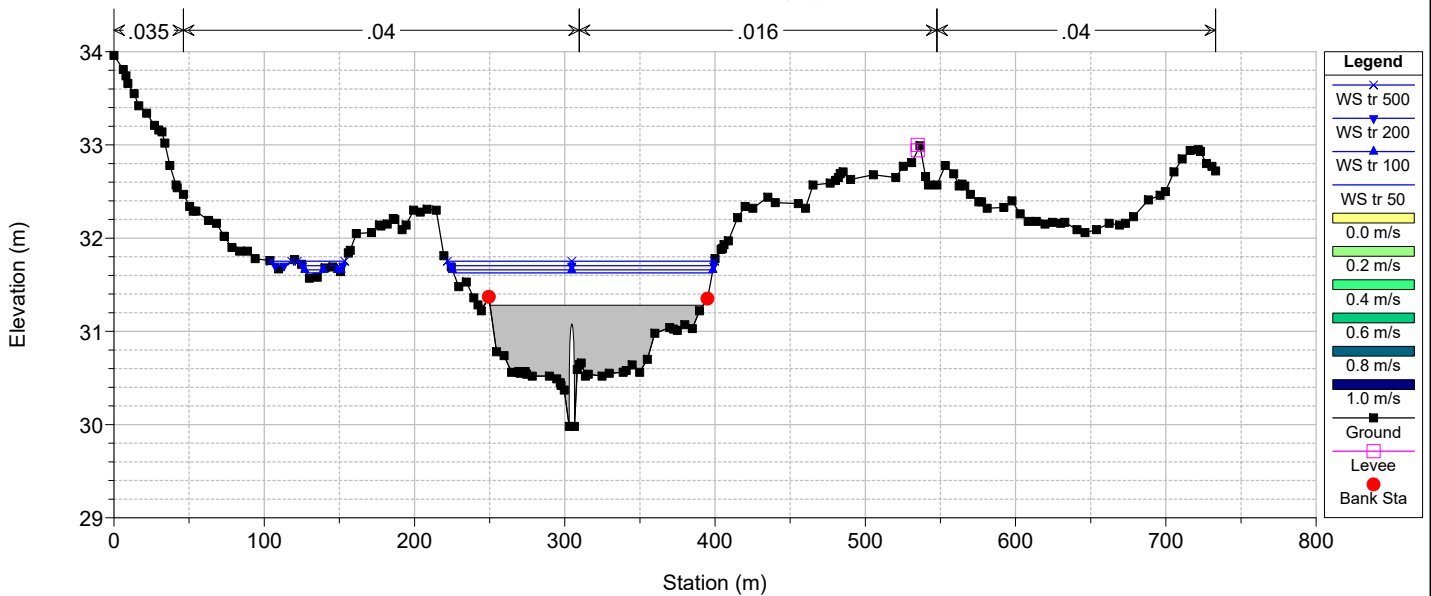
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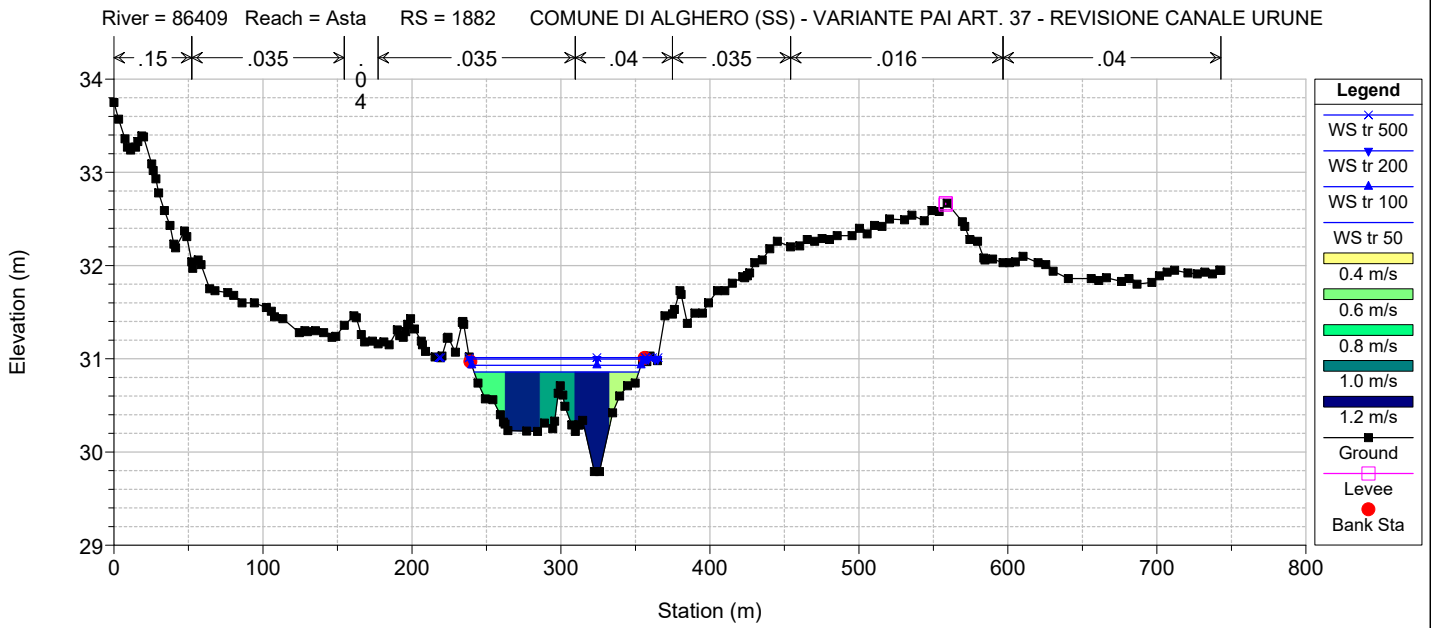
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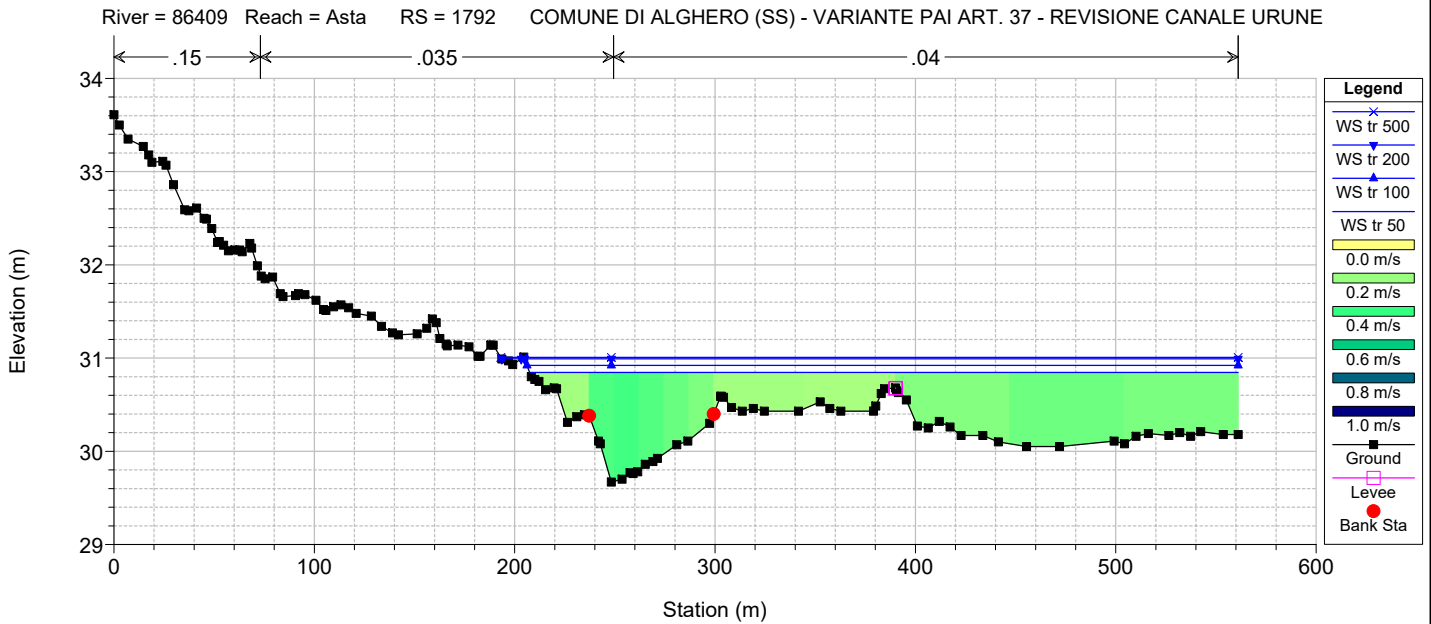
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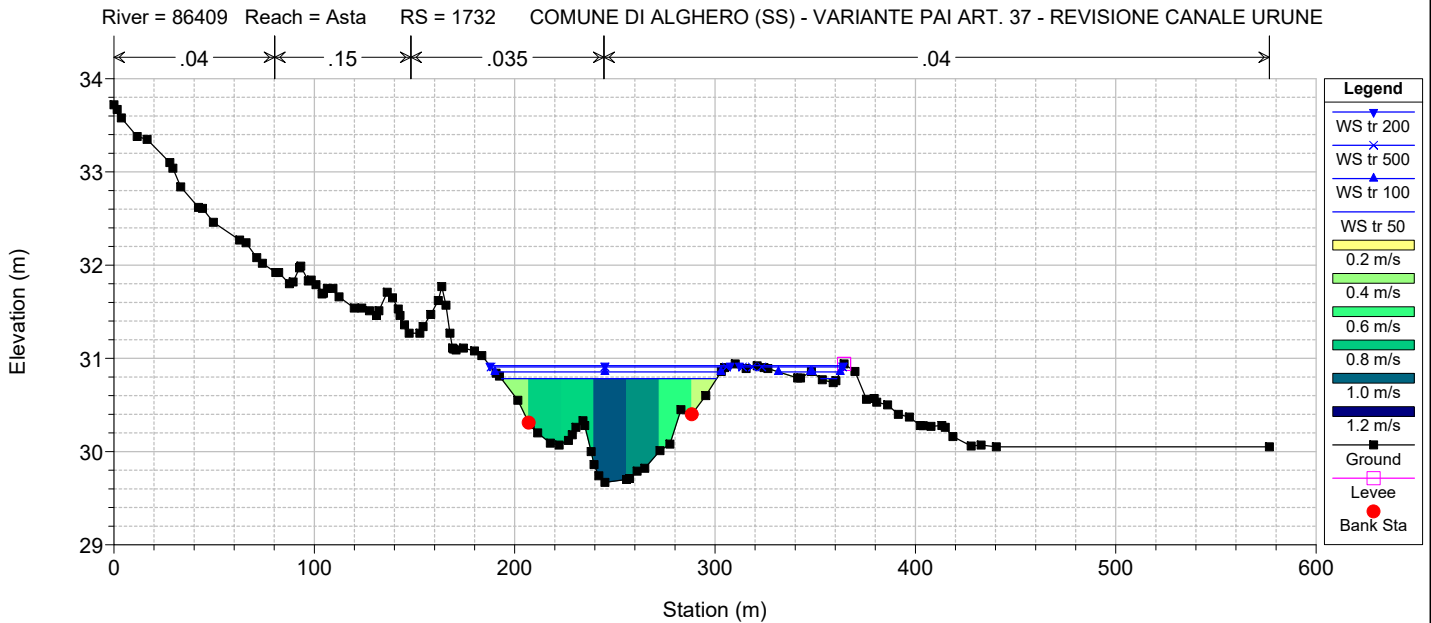
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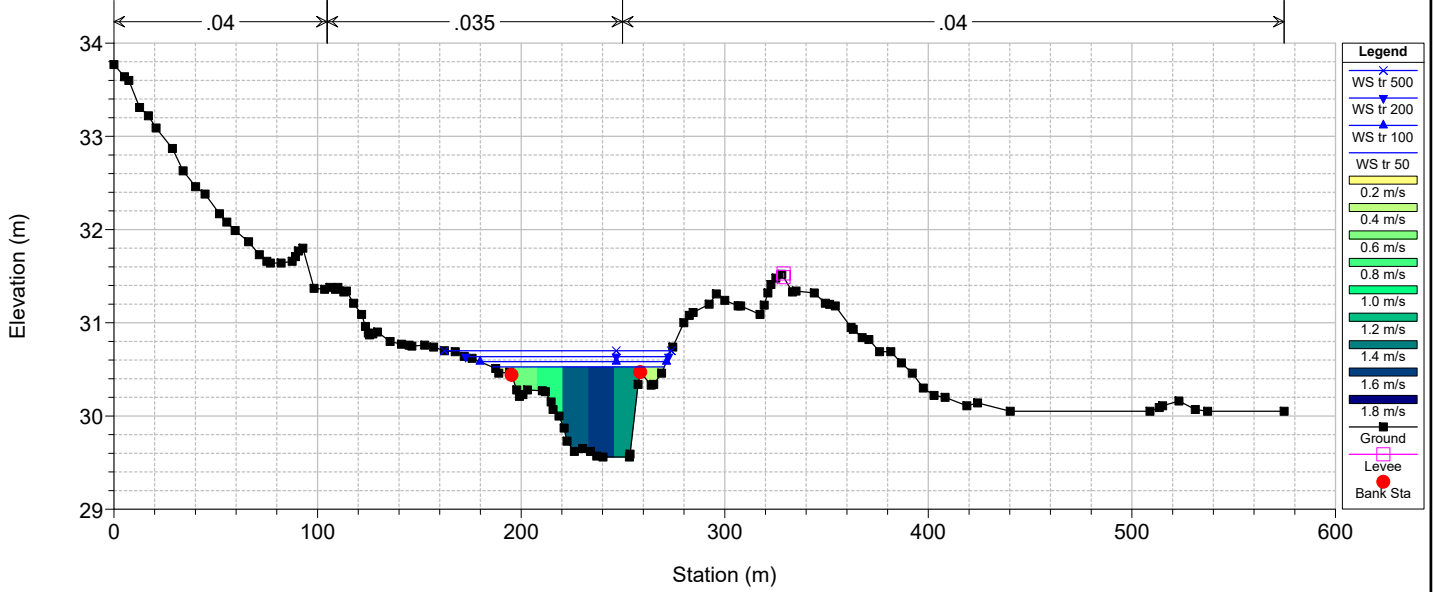
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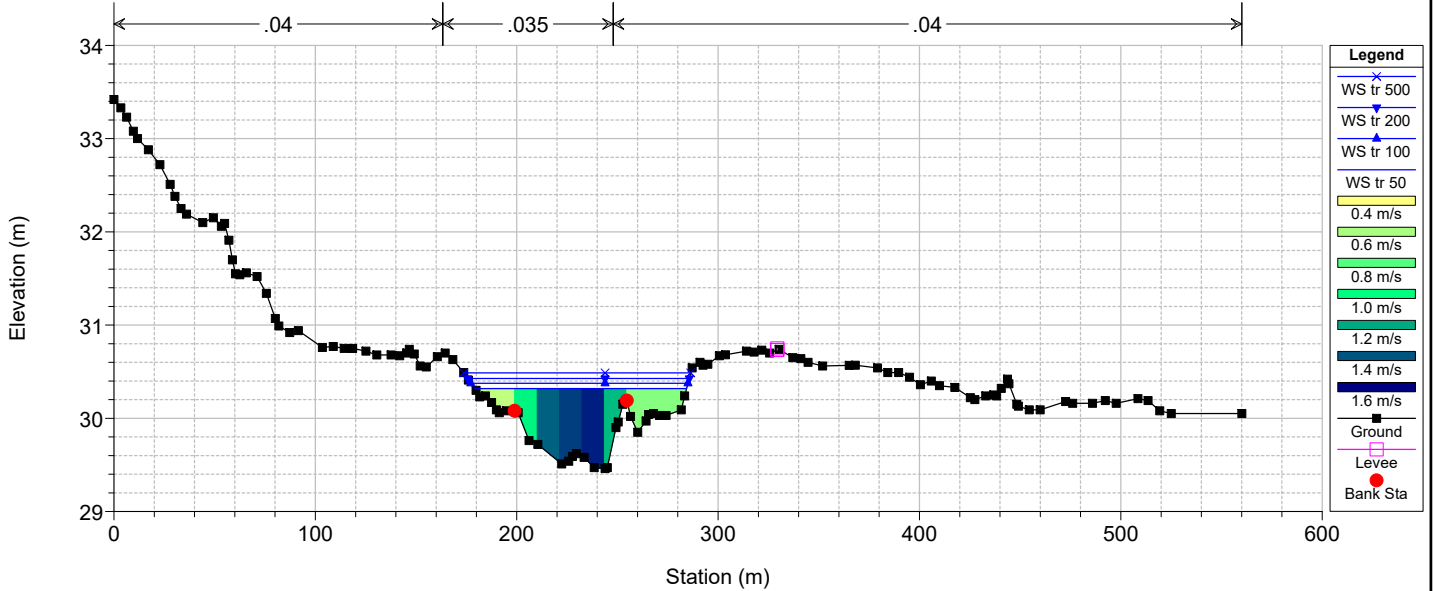
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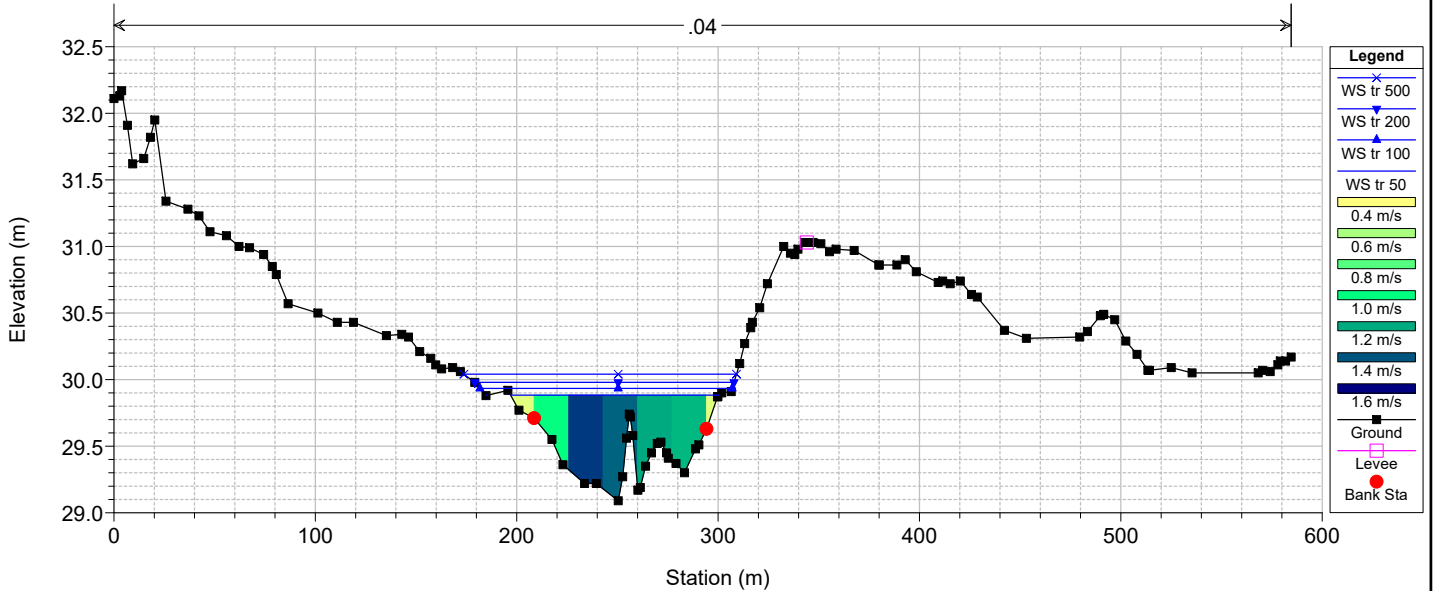
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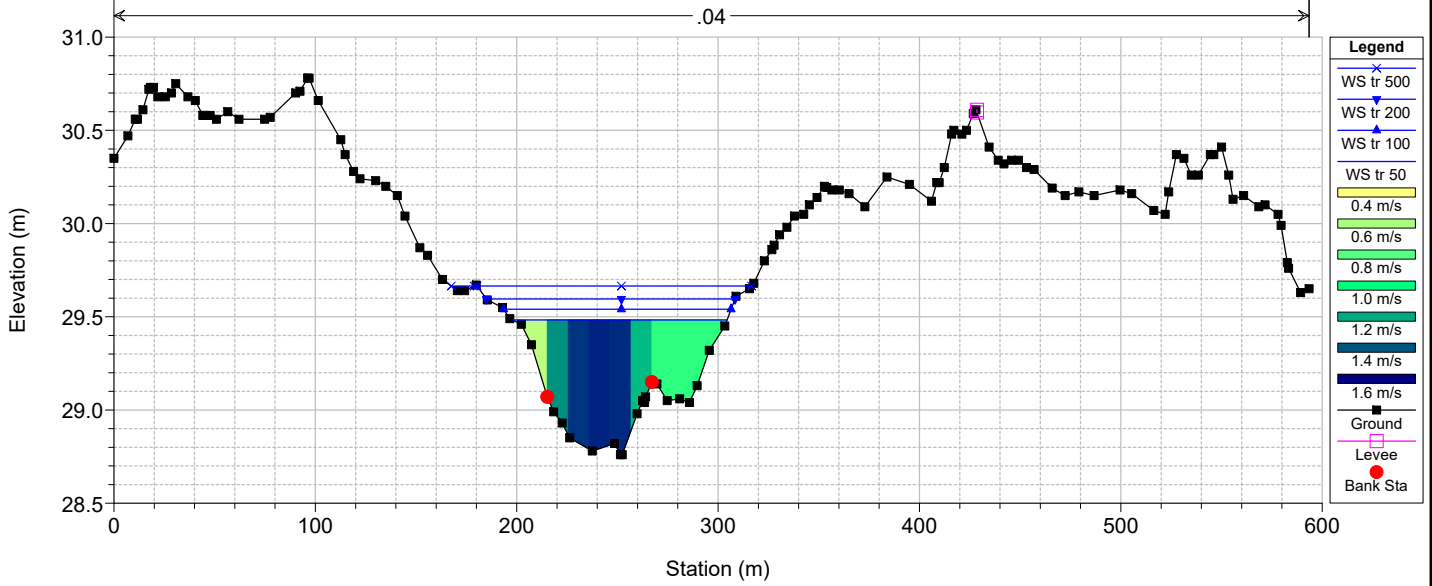
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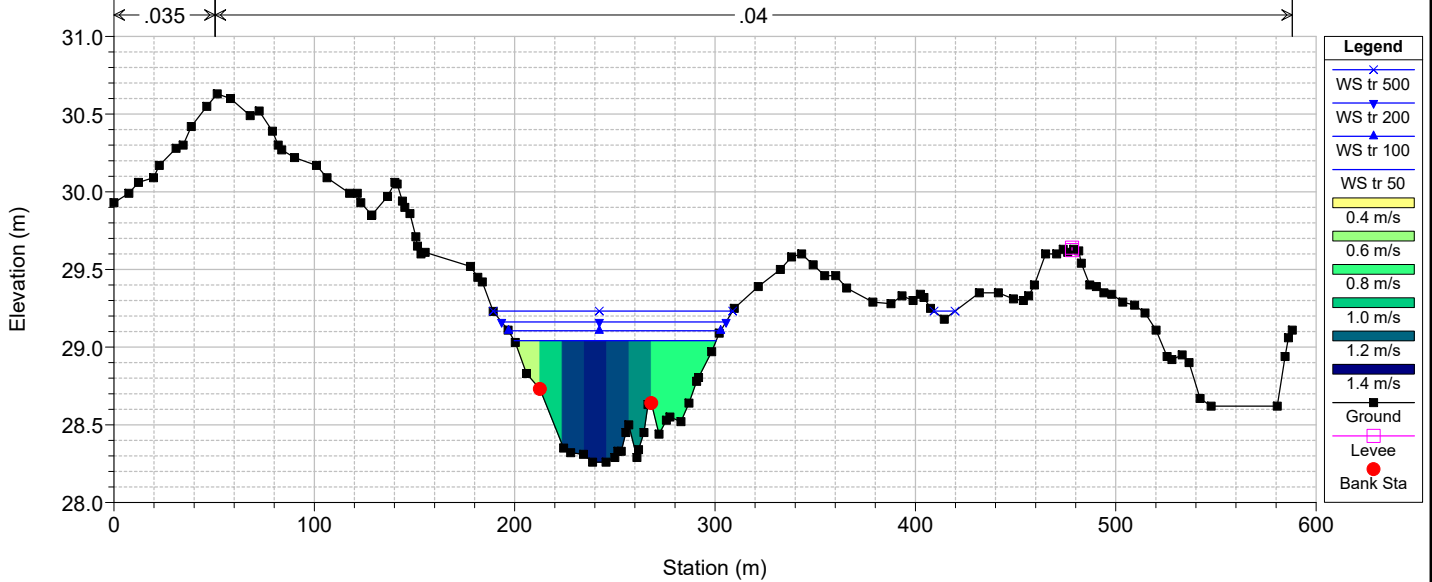
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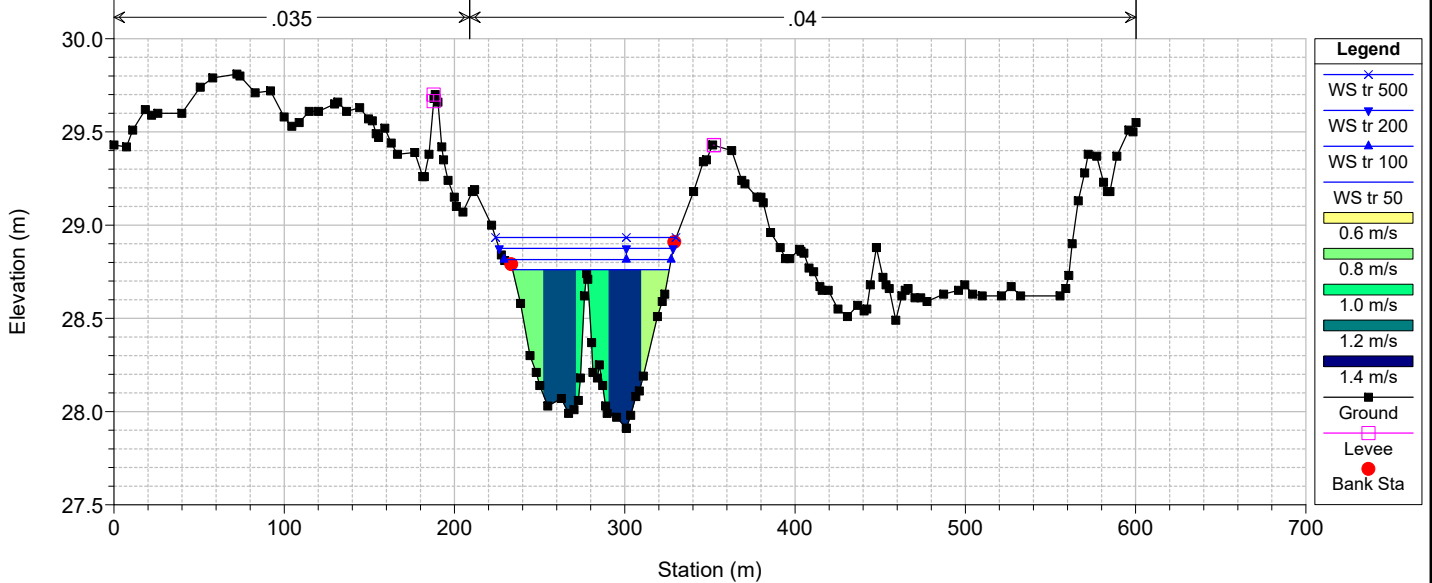
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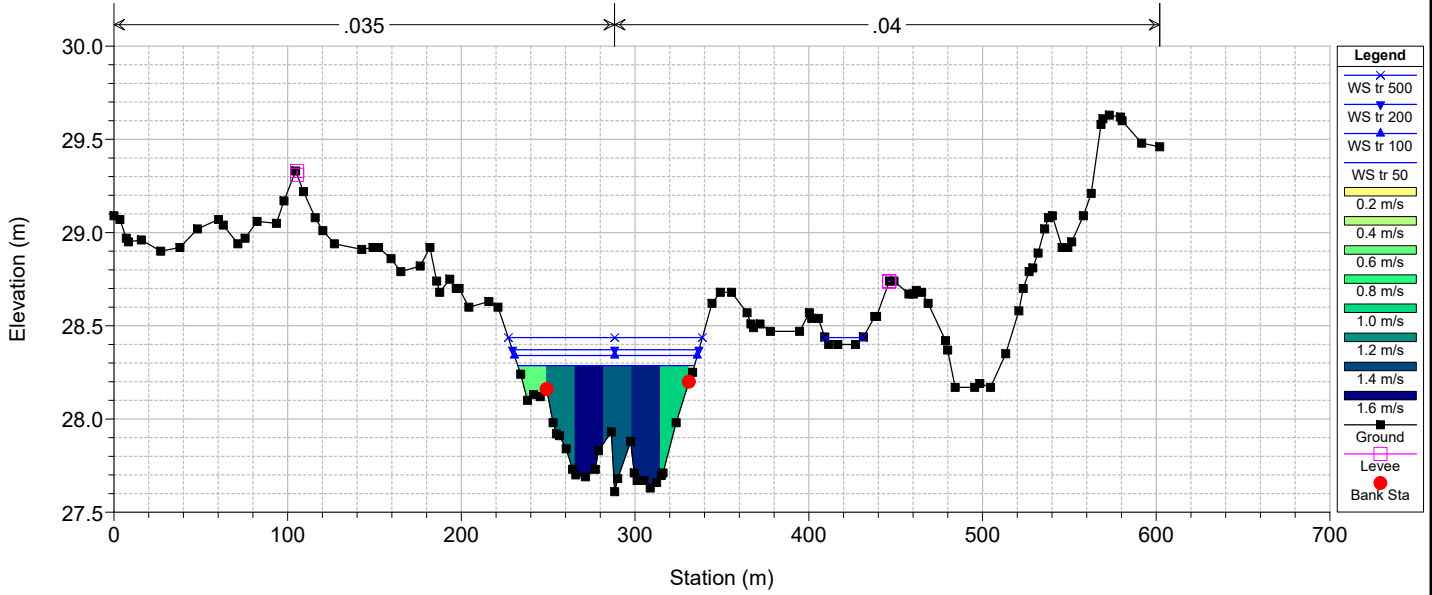
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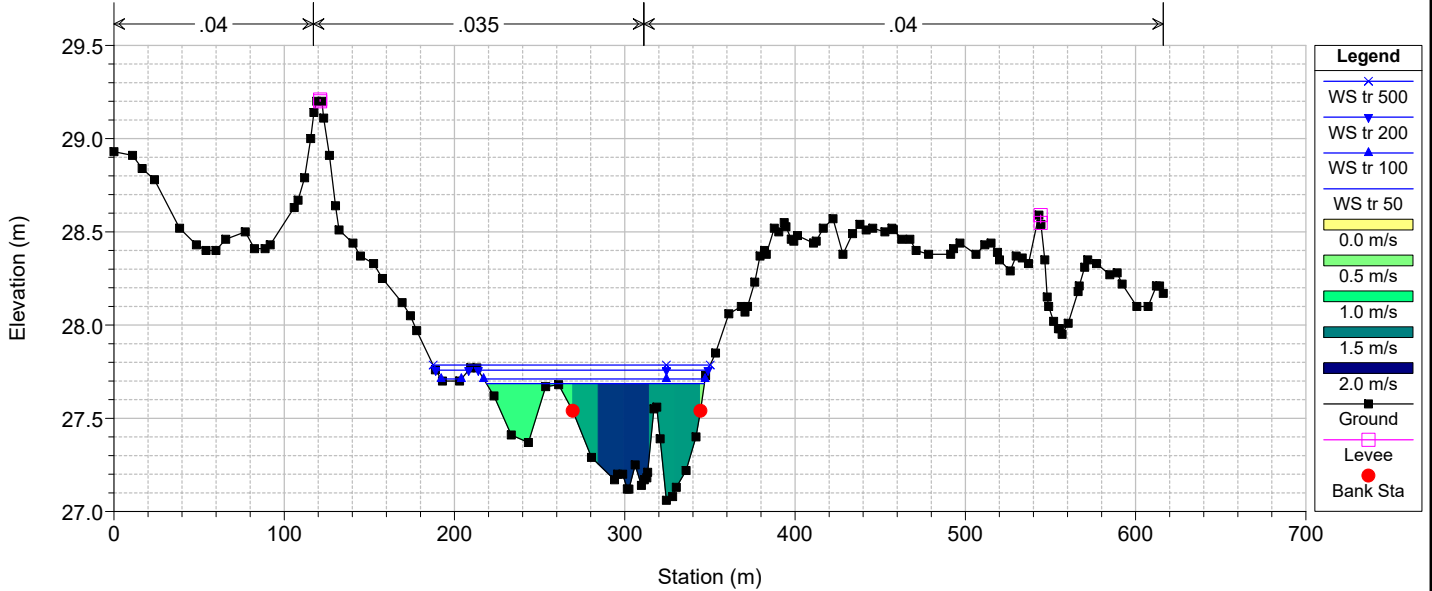
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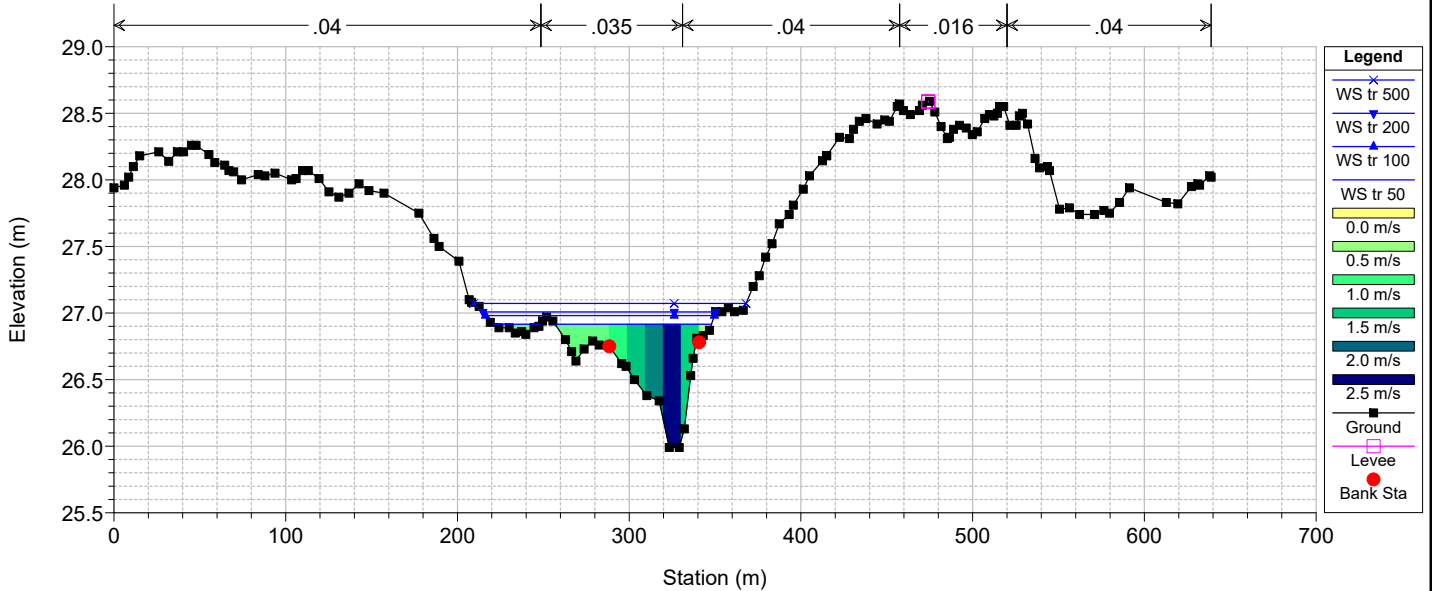
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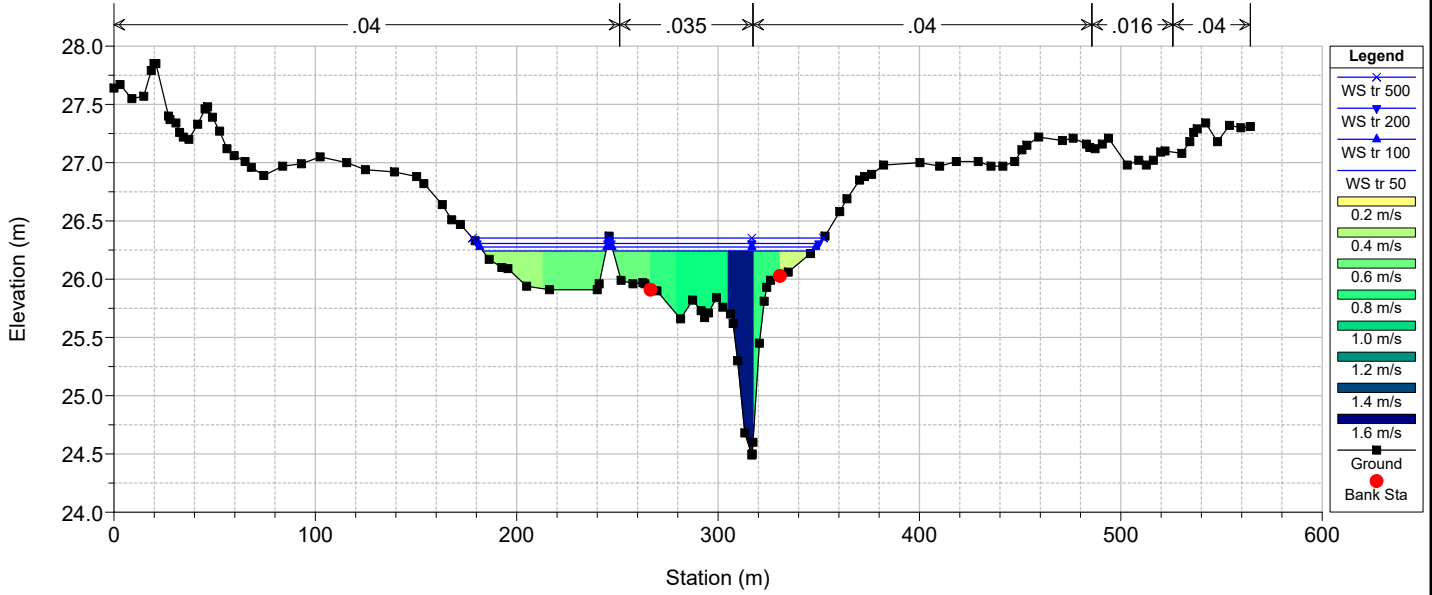
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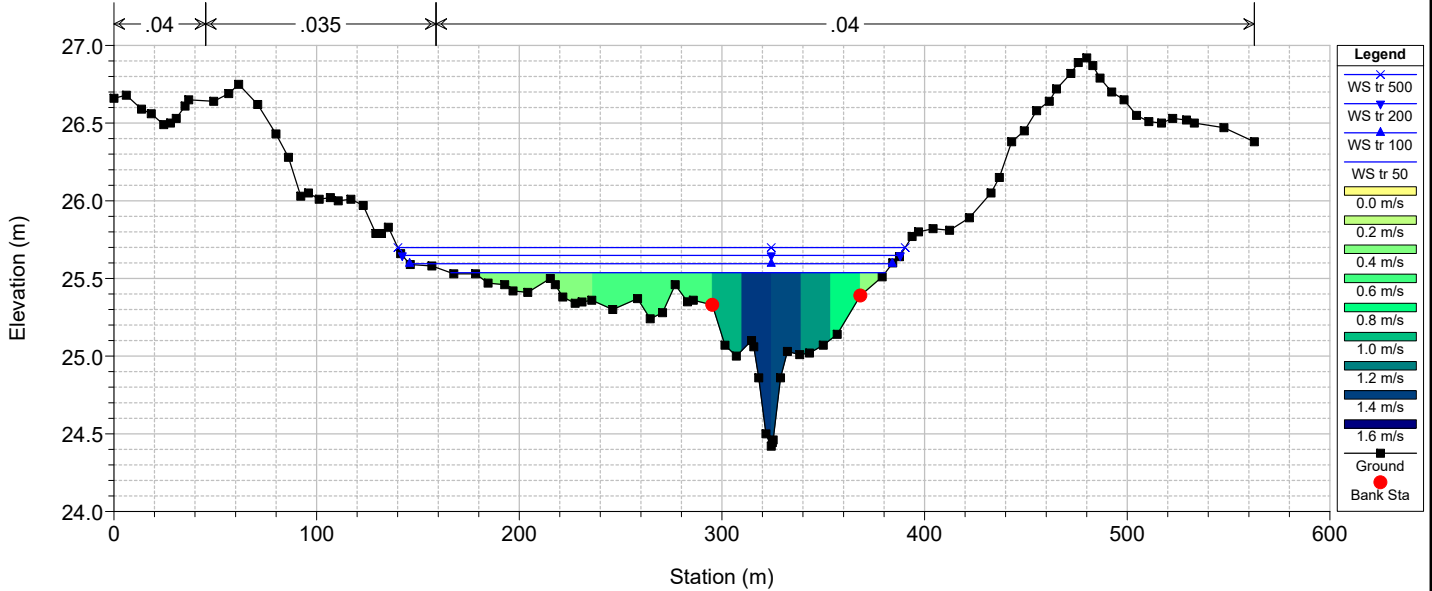
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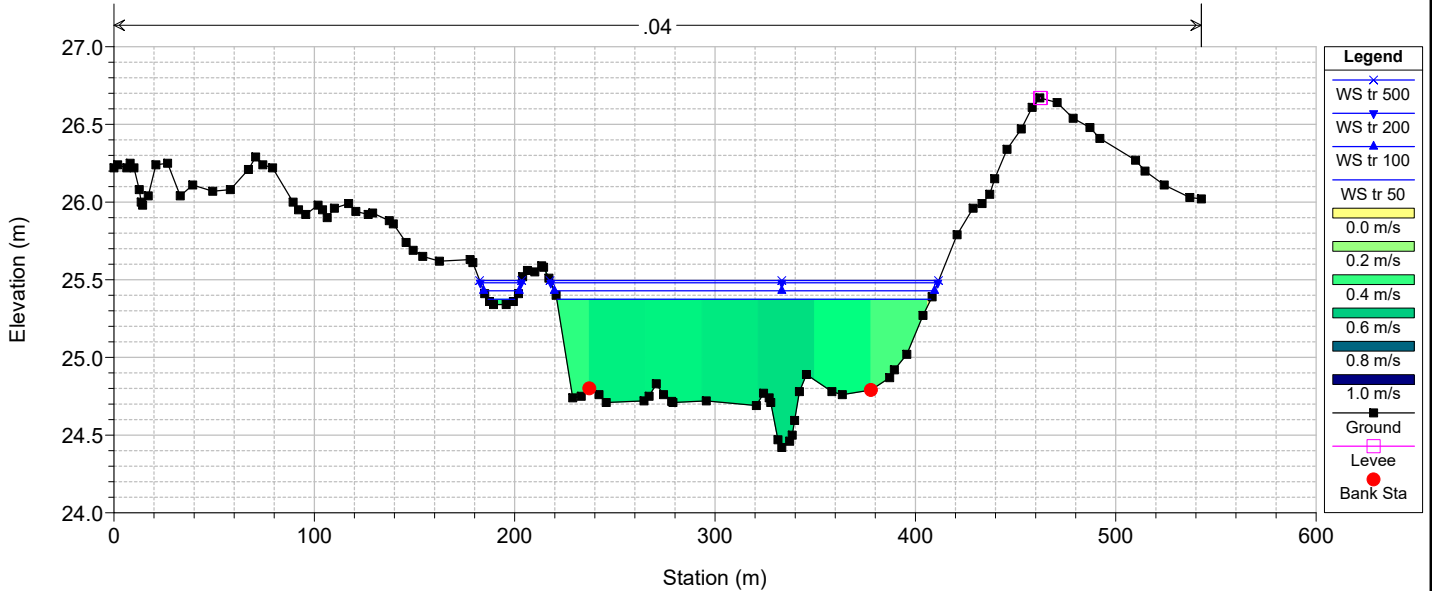
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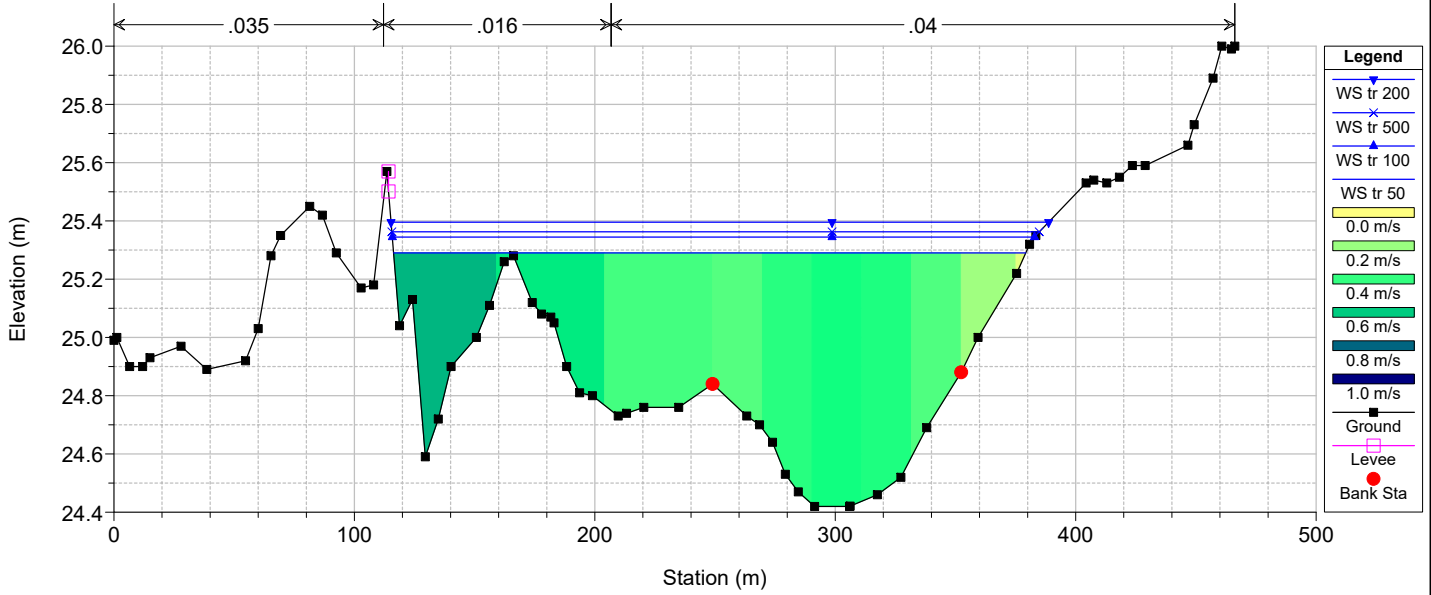
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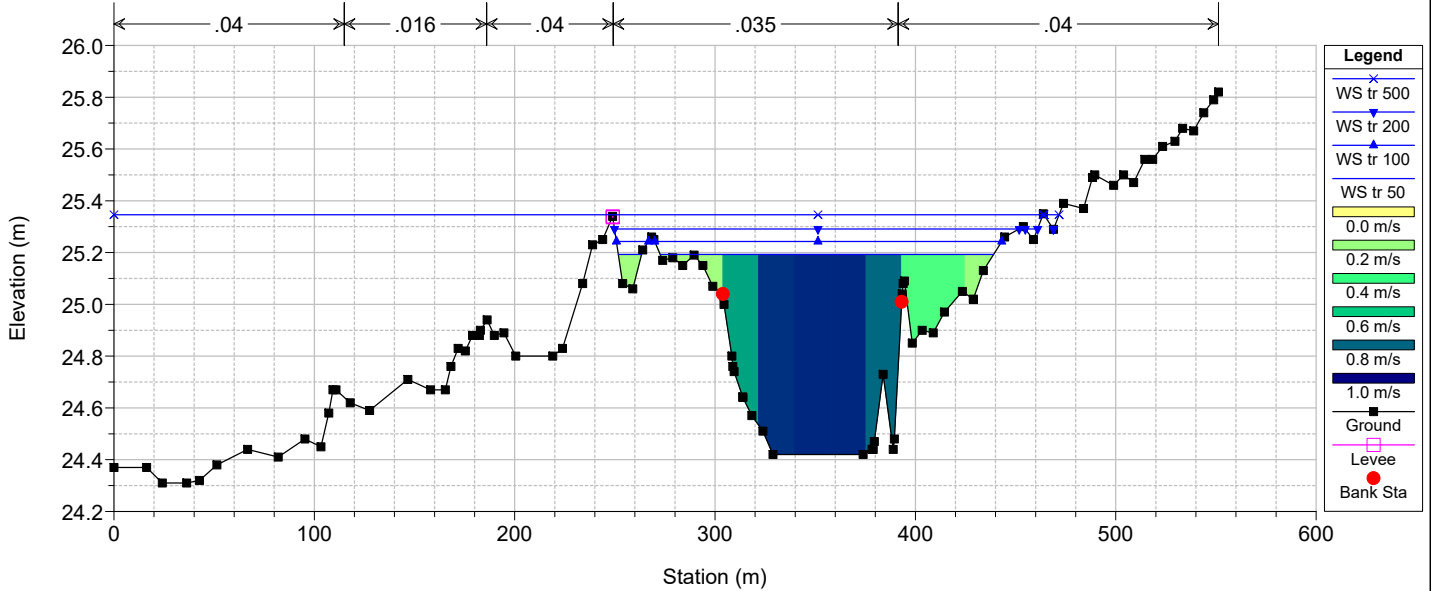
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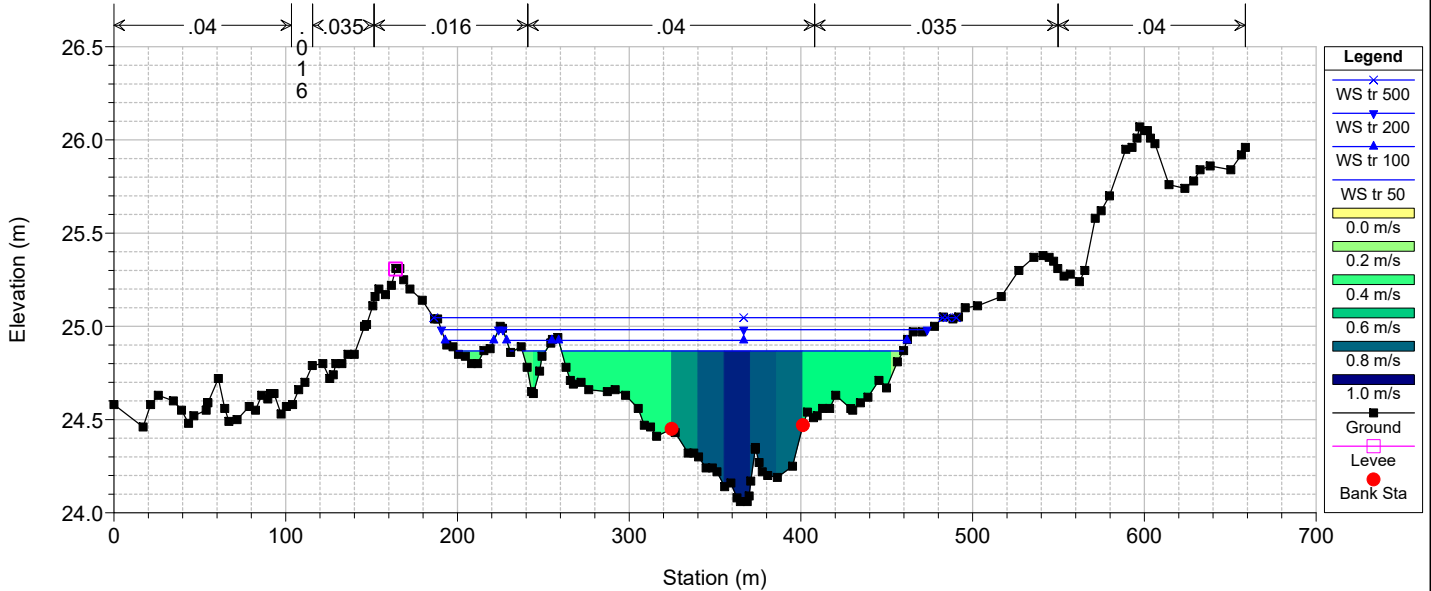
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Geom: URUNE_PSFF_04082023

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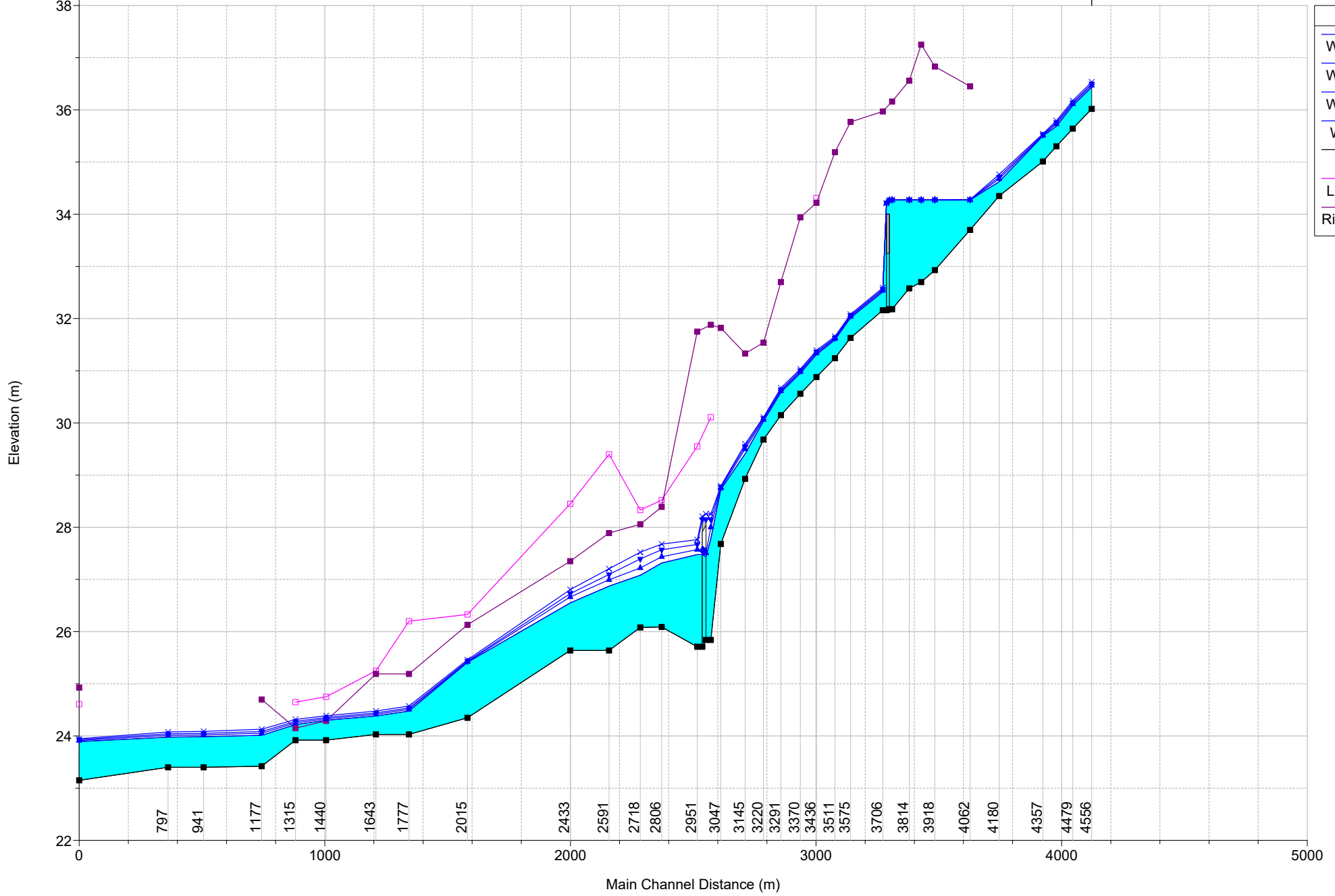


Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta	3172	tr 50	55.60	36.97	37.62	37.50	37.69	0.005198	1.20	49.42	134.21	0.58
Asta	3172	tr 100	65.90	36.97	37.66	37.54	37.74	0.005301	1.28	55.23	139.68	0.59
Asta	3172	tr 200	76.40	36.97	37.70	37.57	37.79	0.005329	1.35	61.12	145.02	0.60
Asta	3172	tr 500	90.30	36.97	37.75	37.61	37.85	0.005401	1.44	68.40	151.36	0.61
Asta	3100	tr 50	55.60	36.49	36.96	36.96	37.10	0.014003	1.72	36.80	133.35	0.89
Asta	3100	tr 100	65.90	36.49	37.00	37.00	37.15	0.013806	1.81	41.58	135.47	0.90
Asta	3100	tr 200	76.40	36.49	37.03	37.03	37.19	0.013918	1.91	45.83	136.30	0.91
Asta	3100	tr 500	90.30	36.49	37.07	37.07	37.25	0.013721	2.01	51.47	137.28	0.92
Asta	2958	tr 50	55.60	34.52	35.71	35.31	35.78	0.002709	1.10	50.33	70.68	0.42
Asta	2958	tr 100	65.90	34.52	35.81	35.37	35.87	0.002690	1.16	56.91	74.11	0.42
Asta	2958	tr 200	76.40	34.52	35.89	35.43	35.96	0.002637	1.21	63.08	80.51	0.42
Asta	2958	tr 500	90.30	34.52	35.98	35.50	36.06	0.002610	1.29	70.76	91.11	0.43
Asta	2855	tr 50	55.60	34.25	35.32	35.04	35.41	0.004830	1.33	41.66	61.78	0.52
Asta	2855	tr 100	65.90	34.25	35.41	35.10	35.51	0.004831	1.39	47.43	66.22	0.52
Asta	2855	tr 200	76.40	34.25	35.50	35.16	35.60	0.004807	1.43	53.63	78.56	0.53
Asta	2855	tr 500	90.30	34.25	35.59	35.23	35.71	0.004688	1.48	61.96	88.92	0.53
Asta	2726	tr 50	55.60	33.63	34.69	34.43	34.78	0.004912	1.34	42.31	73.17	0.52
Asta	2726	tr 100	65.90	33.63	34.74	34.51	34.85	0.005393	1.47	45.98	75.51	0.55
Asta	2726	tr 200	76.40	33.63	34.78	34.56	34.91	0.005956	1.61	49.15	77.37	0.59
Asta	2726	tr 500	90.30	33.63	34.83	34.63	34.99	0.006599	1.77	53.20	79.69	0.63
Asta	2634	tr 50	55.60	33.22	34.45	34.02	34.49	0.002018	1.00	74.18	222.17	0.35
Asta	2634	tr 100	65.90	33.22	34.51	34.09	34.55	0.001889	1.01	89.41	245.89	0.34
Asta	2634	tr 200	76.40	33.22	34.57	34.26	34.61	0.001784	1.02	104.29	278.03	0.33
Asta	2634	tr 500	90.30	33.22	34.64	34.35	34.68	0.001679	1.04	126.09	329.31	0.33
Asta	2552	tr 50	55.60	33.22	34.14	33.91	34.23	0.005293	1.37	42.07	86.63	0.54
Asta	2552	tr 100	65.90	33.22	34.20	33.97	34.30	0.005376	1.46	48.24	108.97	0.55
Asta	2552	tr 200	76.40	33.22	34.24	34.03	34.36	0.005634	1.56	53.47	113.49	0.57
Asta	2552	tr 500	90.30	33.22	34.30	34.09	34.44	0.005908	1.68	60.06	118.93	0.59
Asta	2503	tr 50	55.60	32.74	34.07	33.48	34.10	0.001214	0.81	74.67	137.61	0.27
Asta	2503	tr 100	65.90	32.74	34.13	33.54	34.17	0.001324	0.88	83.95	179.96	0.29
Asta	2503	tr 200	76.40	32.74	34.17	33.60	34.21	0.001488	0.96	91.55	196.40	0.31
Asta	2503	tr 500	90.30	32.74	34.22	33.68	34.27	0.001659	1.05	102.78	246.44	0.33
Asta	2457	tr 50	55.60	32.73	34.03	33.32	34.05	0.000984	0.59	112.62	247.55	0.18
Asta	2457	tr 100	65.90	32.73	34.09	33.37	34.11	0.001067	0.63	127.15	268.43	0.19
Asta	2457	tr 200	76.40	32.73	34.13	33.42	34.15	0.001209	0.69	137.14	282.26	0.20
Asta	2457	tr 500	90.30	32.73	34.17	33.48	34.20	0.001359	0.74	150.71	300.16	0.22
Asta	2418	tr 50	55.60	32.72	33.94	33.52	33.97	0.006237	0.74	81.46	229.30	0.27
Asta	2418	tr 100	65.90	32.72	34.00	33.59	34.03	0.005471	0.74	94.80	238.75	0.26
Asta	2418	tr 200	76.40	32.72	34.02	33.65	34.05	0.006141	0.80	100.44	243.06	0.28
Asta	2418	tr 500	90.30	32.72	34.06	33.83	34.09	0.006767	0.87	108.75	253.33	0.30
Asta	2363	tr 50	55.60	32.26	33.37	33.21	33.57	0.007652	1.97	28.51	56.33	0.75
Asta	2363	tr 100	65.90	32.26	33.47	33.31	33.66	0.007293	1.99	38.79	151.63	0.74
Asta	2363	tr 200	76.40	32.26	33.58	33.57	33.71	0.005795	1.75	59.76	215.77	0.66
Asta	2363	tr 500	90.30	32.26	33.65	33.61	33.77	0.004865	1.71	75.84	235.62	0.61
Asta	2311	tr 50	55.60	32.06	33.09	32.83	33.23	0.005254	1.65	34.24	87.54	0.62
Asta	2311	tr 100	65.90	32.06	33.16	32.91	33.31	0.005863	1.74	40.97	102.15	0.66
Asta	2311	tr 200	76.40	32.06	33.25	32.99	33.39	0.006742	1.71	51.28	130.72	0.69
Asta	2311	tr 500	90.30	32.06	33.29	33.23	33.46	0.007611	1.86	57.47	190.16	0.74
Asta	2220	tr 50	55.60	31.70	32.45	32.38	32.59	0.009708	1.65	35.60	123.93	0.79
Asta	2220	tr 100	65.90	31.70	32.51	32.47	32.65	0.009197	1.69	43.02	152.00	0.78
Asta	2220	tr 200	76.40	31.70	32.56	32.52	32.70	0.008475	1.70	51.80	179.29	0.75
Asta	2220	tr 500	90.30	31.70	32.63	32.59	32.76	0.007451	1.69	64.42	203.95	0.72
Asta	2155	tr 50	55.60	31.11	32.20	31.98	32.26	0.002842	1.18	54.88	119.95	0.46
Asta	2155	tr 100	65.90	31.11	32.25	32.03	32.32	0.002838	1.24	62.05	122.30	0.46
Asta	2155	tr 200	76.40	31.11	32.31	32.09	32.39	0.002830	1.30	68.99	124.79	0.47
Asta	2155	tr 500	90.30	31.11	32.38	32.14	32.46	0.002851	1.38	77.45	128.02	0.48
Asta	2069	tr 50	55.60	30.84	31.72	31.71	31.91	0.005842	1.96	32.85	92.56	0.88
Asta	2069	tr 100	65.90	30.84	31.77	31.77	31.97	0.005818	2.05	37.82	100.69	0.91
Asta	2069	tr 200	76.40	30.84	31.82	31.82	32.03	0.005794	2.16	42.22	103.31	0.92
Asta	2069	tr 500	90.30	30.84	31.87	31.87	32.11	0.005639	2.27	48.16	107.22	0.92
Asta	2002	tr 50	55.60	30.75	31.59	31.44	31.67	0.001847	1.24	45.60	105.80	0.57
Asta	2002	tr 100	65.90	30.75	31.62	31.48	31.72	0.002205	1.40	48.03	106.91	0.63
Asta	2002	tr 200	76.40	30.75	31.66	31.53	31.77	0.002277	1.50	52.24	108.82	0.65
Asta	2002	tr 500	90.30	30.75	31.69	31.58	31.83	0.002529	1.65	56.24	110.60	0.69
Asta	1942	tr 50	55.60	29.98	31.63	30.84	31.64	0.000095	0.40	142.22	181.80	0.13
Asta	1942	tr 100	65.90	29.98	31.66	30.88	31.67	0.000118	0.46	148.17	188.16	0.15

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta	1942	tr 200	76.40	29.98	31.70	30.92	31.72	0.000135	0.51	157.10	208.02	0.16
Asta	1942	tr 500	90.30	29.98	31.75	30.96	31.77	0.000160	0.57	167.28	223.35	0.18
Asta	1906		Culvert									
Asta	1882	tr 50	55.60	29.79	30.86	30.62	30.91	0.003534	1.01	55.04	110.54	0.46
Asta	1882	tr 100	65.90	29.79	30.93	30.66	30.99	0.003271	1.05	63.05	113.59	0.45
Asta	1882	tr 200	76.40	29.79	31.00	30.71	31.06	0.003099	1.08	70.72	119.99	0.44
Asta	1882	tr 500	90.30	29.79	31.01	30.76	31.09	0.003981	1.24	72.75	125.06	0.50
Asta	1792	tr 50	55.60	29.67	30.85	30.45	30.85	0.000201	0.33	211.77	353.61	0.11
Asta	1792	tr 100	65.90	29.67	30.92	30.52	30.93	0.000192	0.34	238.75	354.99	0.11
Asta	1792	tr 200	76.40	29.67	30.99	30.57	31.00	0.000188	0.35	263.95	365.91	0.11
Asta	1792	tr 500	90.30	29.67	31.01	30.61	31.01	0.000244	0.41	269.82	367.76	0.13
Asta	1732	tr 50	55.60	29.67	30.78	30.37	30.82	0.001529	0.86	67.58	115.48	0.32
Asta	1732	tr 100	65.90	29.67	30.85	30.42	30.90	0.001545	0.92	76.88	142.83	0.32
Asta	1732	tr 200	76.40	29.67	30.92	30.47	30.97	0.001560	0.98	87.11	171.64	0.33
Asta	1732	tr 500	90.30	29.67	30.91	30.53	30.97	0.002304	1.17	84.82	162.78	0.40
Asta	1650	tr 50	55.60	29.56	30.53	30.30	30.62	0.004244	1.36	42.39	84.46	0.54
Asta	1650	tr 100	65.90	29.56	30.58	30.36	30.69	0.004392	1.46	47.43	91.62	0.56
Asta	1650	tr 200	76.40	29.56	30.64	30.42	30.76	0.004520	1.56	52.49	99.68	0.57
Asta	1650	tr 500	90.30	29.56	30.70	30.50	30.84	0.004658	1.67	59.14	111.42	0.59
Asta	1598	tr 50	55.60	29.46	30.32	30.17	30.40	0.003939	1.35	47.36	105.24	0.54
Asta	1598	tr 100	65.90	29.46	30.38	30.22	30.47	0.003980	1.43	53.36	107.88	0.55
Asta	1598	tr 200	76.40	29.46	30.43	30.26	30.53	0.004058	1.51	58.89	110.16	0.56
Asta	1598	tr 500	90.30	29.46	30.49	30.32	30.60	0.004170	1.61	65.62	112.64	0.57
Asta	1510	tr 50	55.60	29.09	29.88	29.73	29.96	0.006471	1.27	45.06	104.64	0.57
Asta	1510	tr 100	65.90	29.09	29.93	29.78	30.03	0.006524	1.36	51.00	125.22	0.58
Asta	1510	tr 200	76.40	29.09	29.98	29.82	30.08	0.006501	1.43	56.90	128.70	0.59
Asta	1510	tr 500	90.30	29.09	30.04	29.87	30.15	0.006336	1.51	64.89	135.37	0.59
Asta	1448	tr 50	55.60	28.76	29.48	29.34	29.57	0.006247	1.41	45.24	106.59	0.58
Asta	1448	tr 100	65.90	28.76	29.54	29.38	29.64	0.006125	1.48	51.49	112.94	0.58
Asta	1448	tr 200	76.40	28.76	29.60	29.43	29.70	0.005983	1.54	58.03	123.38	0.58
Asta	1448	tr 500	90.30	28.76	29.66	29.48	29.78	0.005875	1.63	67.18	147.75	0.59
Asta	1357	tr 50	55.60	28.26	29.04	28.82	29.11	0.004156	1.21	50.89	100.80	0.48
Asta	1357	tr 100	65.90	28.26	29.10	28.87	29.18	0.004132	1.29	57.41	105.87	0.49
Asta	1357	tr 200	76.40	28.26	29.16	28.92	29.24	0.004175	1.36	63.65	112.00	0.49
Asta	1357	tr 500	90.30	28.26	29.23	28.97	29.32	0.004203	1.45	72.00	129.97	0.50
Asta	1292	tr 50	55.60	27.91	28.76	28.51	28.82	0.004560	1.12	49.72	92.07	0.49
Asta	1292	tr 100	65.90	27.91	28.82	28.56	28.89	0.004757	1.20	54.85	98.08	0.50
Asta	1292	tr 200	76.40	27.91	28.88	28.61	28.96	0.004672	1.26	60.87	102.18	0.51
Asta	1292	tr 500	90.30	27.91	28.93	28.67	29.03	0.004891	1.36	66.92	105.94	0.52
Asta	1215	tr 50	55.60	27.61	28.29	28.18	28.38	0.007300	1.39	41.41	101.66	0.64
Asta	1215	tr 100	65.90	27.61	28.34	28.22	28.45	0.006970	1.46	47.07	105.31	0.64
Asta	1215	tr 200	76.40	27.61	28.37	28.26	28.50	0.007685	1.59	50.28	107.32	0.68
Asta	1215	tr 500	90.30	27.61	28.44	28.32	28.57	0.007173	1.65	58.19	133.49	0.67
Asta	1148	tr 50	55.60	27.06	27.69	27.64	27.80	0.010619	1.57	39.13	128.07	0.77
Asta	1148	tr 100	65.90	27.06	27.71	27.67	27.85	0.011940	1.72	42.39	141.92	0.82
Asta	1148	tr 200	76.40	27.06	27.76	27.73	27.90	0.010711	1.75	49.36	154.33	0.79
Asta	1148	tr 500	90.30	27.06	27.79	27.76	27.96	0.012389	1.95	53.72	162.68	0.86
Asta	1081	tr 50	55.60	25.99	26.92	26.92	27.08	0.010515	1.87	33.68	118.57	0.83
Asta	1081	tr 100	65.90	25.99	26.98	26.98	27.14	0.009148	1.88	41.79	133.26	0.79
Asta	1081	tr 200	76.40	25.99	27.01	27.00	27.19	0.009955	2.03	45.56	135.52	0.83
Asta	1081	tr 500	90.30	25.99	27.07	27.07	27.25	0.008898	2.04	55.24	158.77	0.79
Asta	942	tr 50	55.60	24.49	26.24	26.06	26.29	0.002914	1.10	61.95	160.28	0.44
Asta	942	tr 100	65.90	24.49	26.28	26.10	26.34	0.003261	1.20	67.42	164.31	0.47
Asta	942	tr 200	76.40	24.49	26.31	26.14	26.38	0.003616	1.30	72.39	167.88	0.50
Asta	942	tr 500	90.30	24.49	26.35	26.19	26.43	0.003787	1.39	80.51	173.76	0.52
Asta	769	tr 50	55.60	24.42	25.54	25.44	25.60	0.005751	1.22	56.85	214.50	0.54
Asta	769	tr 100	65.90	24.42	25.60	25.47	25.65	0.004823	1.20	69.83	238.15	0.51
Asta	769	tr 200	76.40	24.42	25.65	25.50	25.70	0.004155	1.18	82.73	245.73	0.48
Asta	769	tr 500	90.30	24.42	25.70	25.52	25.76	0.003935	1.21	95.32	250.33	0.47
Asta	652	tr 50	55.60	24.42	25.37	24.97	25.39	0.000807	0.53	109.82	199.94	0.21
Asta	652	tr 100	65.90	24.42	25.43	25.00	25.44	0.000852	0.58	121.05	207.58	0.22
Asta	652	tr 200	76.40	24.42	25.48	25.02	25.50	0.000890	0.62	132.00	213.43	0.23
Asta	652	tr 500	90.30	24.42	25.49	25.06	25.52	0.001167	0.72	134.93	214.97	0.26
Asta	505	tr 50	55.60	24.42	25.29	24.88	25.30	0.000442	0.41	128.10	262.87	0.16
Asta	505	tr 100	65.90	24.42	25.34	24.91	25.36	0.000434	0.43	142.52	267.16	0.16

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta	505	tr 200	76.40	24.42	25.40	24.94	25.41	0.000428	0.45	156.44	273.49	0.16
Asta	505	tr 500	90.30	24.42	25.36	24.97	25.38	0.000729	0.57	147.37	269.27	0.21
Asta	412	tr 50	55.60	24.42	25.19	24.84	25.23	0.001517	0.86	72.17	177.98	0.33
Asta	412	tr 100	65.90	24.42	25.24	24.89	25.28	0.001606	0.93	81.37	189.35	0.35
Asta	412	tr 200	76.40	24.42	25.29	24.94	25.34	0.001675	0.99	90.86	208.23	0.36
Asta	412	tr 500	90.30	24.42	25.35	24.99	25.35	0.000158	0.32	281.22	471.16	0.11
Asta	224	tr 50	55.60	24.06	24.87	24.63	24.90	0.002045	0.83	81.58	230.65	0.33
Asta	224	tr 100	65.90	24.06	24.92	24.66	24.95	0.001884	0.84	95.57	257.63	0.33
Asta	224	tr 200	76.40	24.06	24.98	24.73	25.01	0.001733	0.85	110.95	280.30	0.32
Asta	224	tr 500	90.30	24.06	25.05	24.76	25.07	0.001562	0.86	129.52	301.81	0.30

Canale di Bon Asta



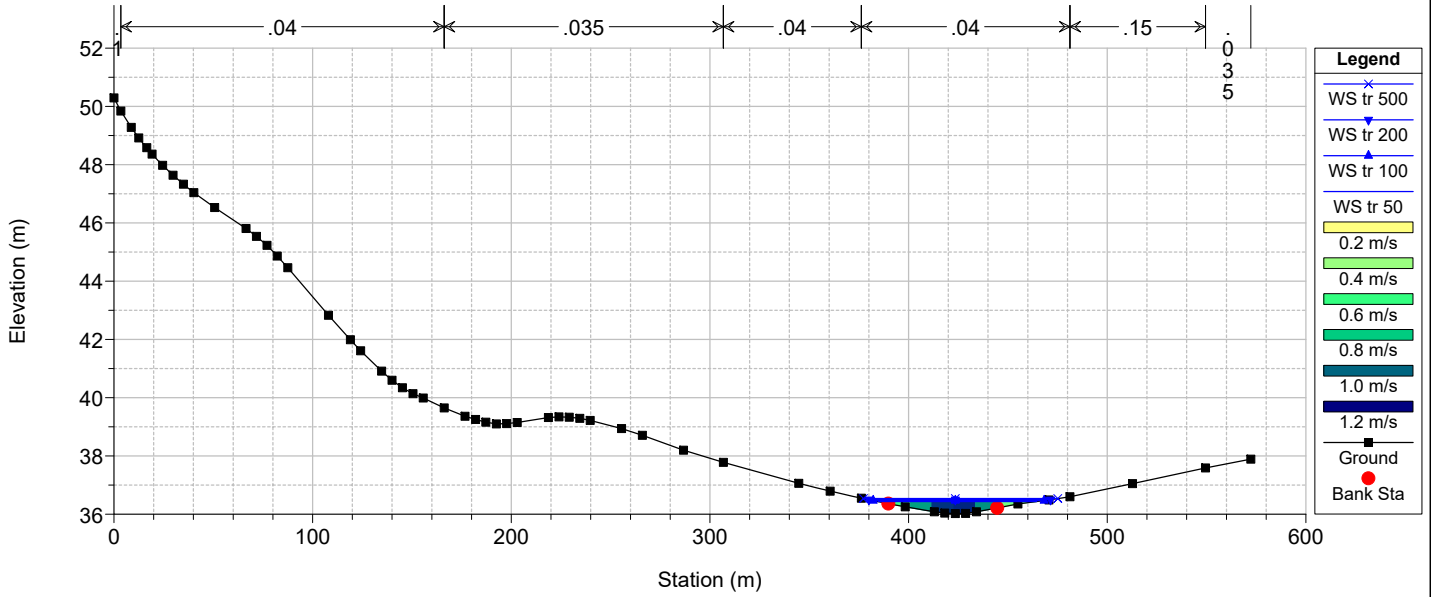
Legend

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

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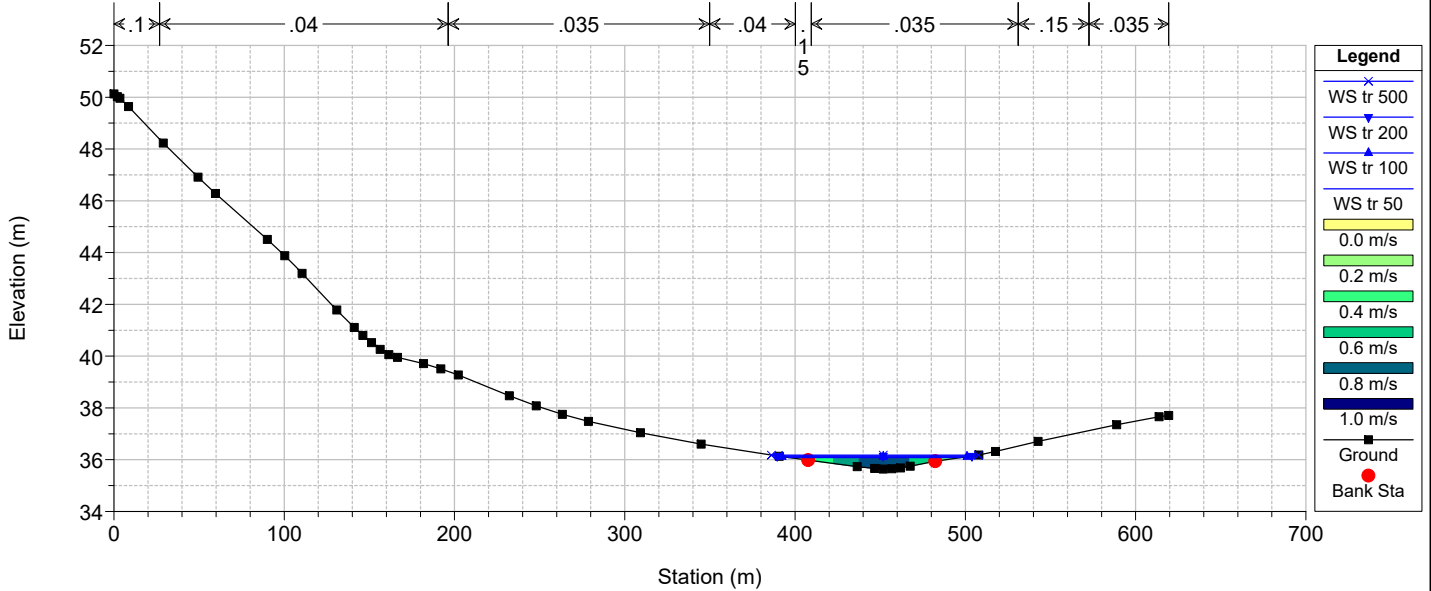
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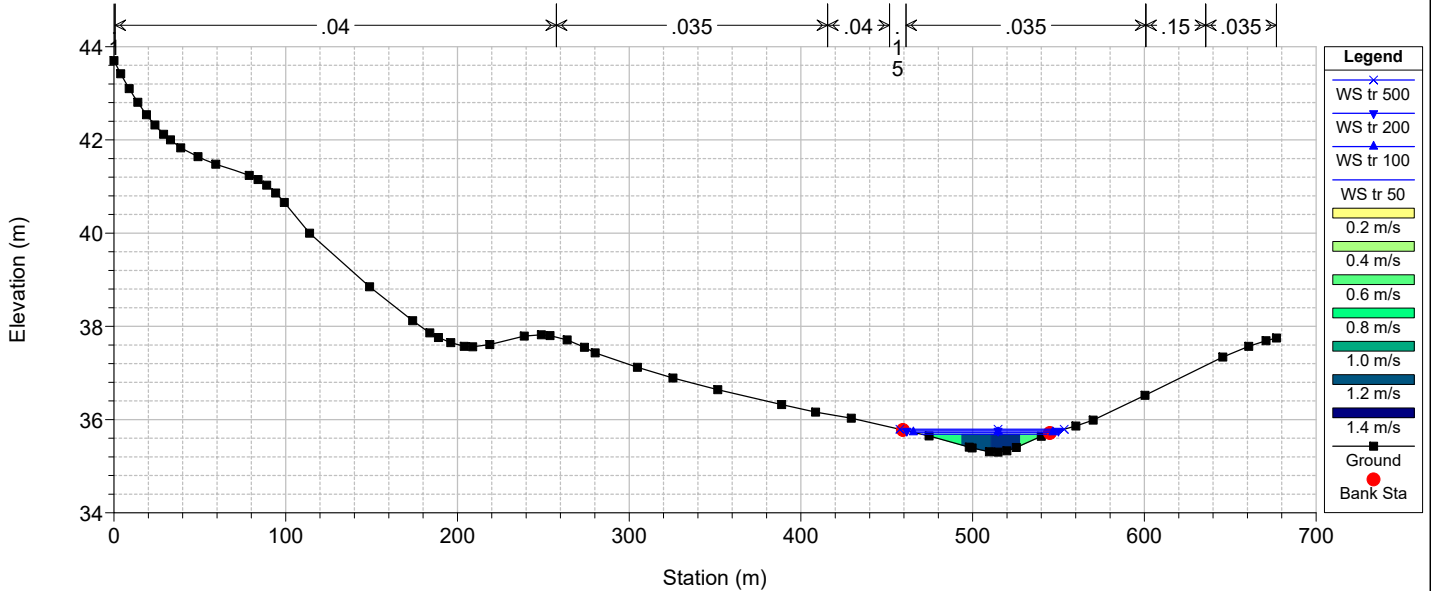
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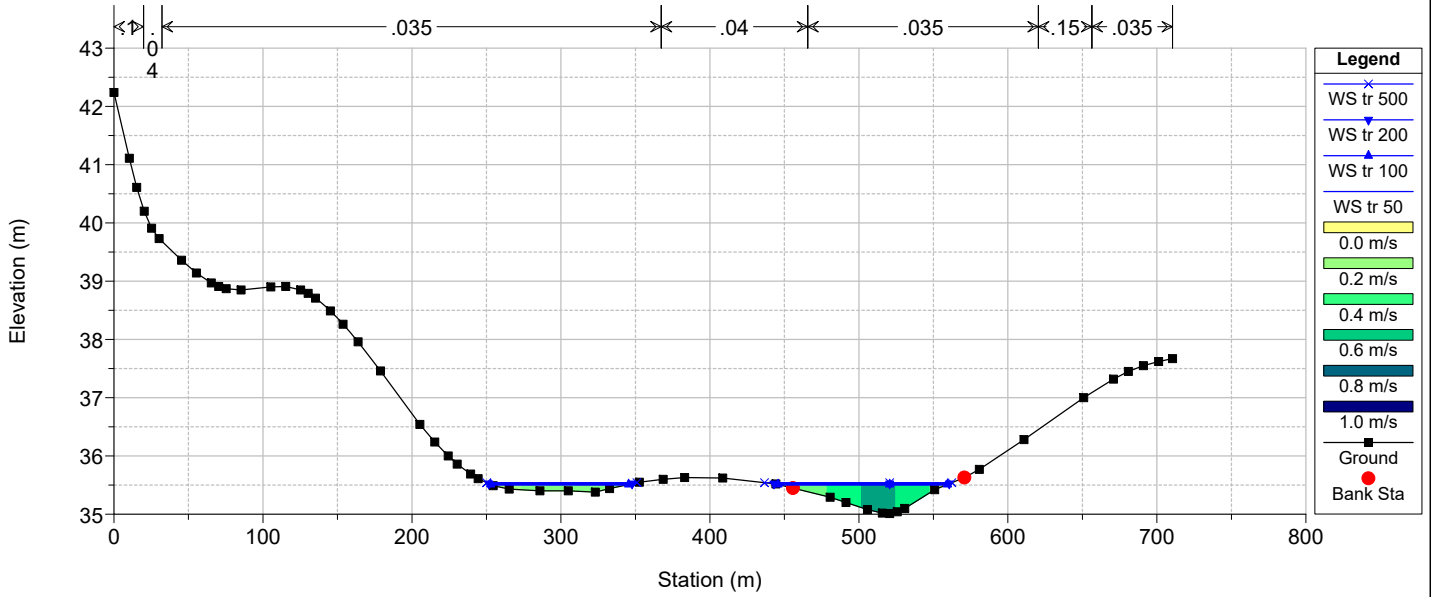
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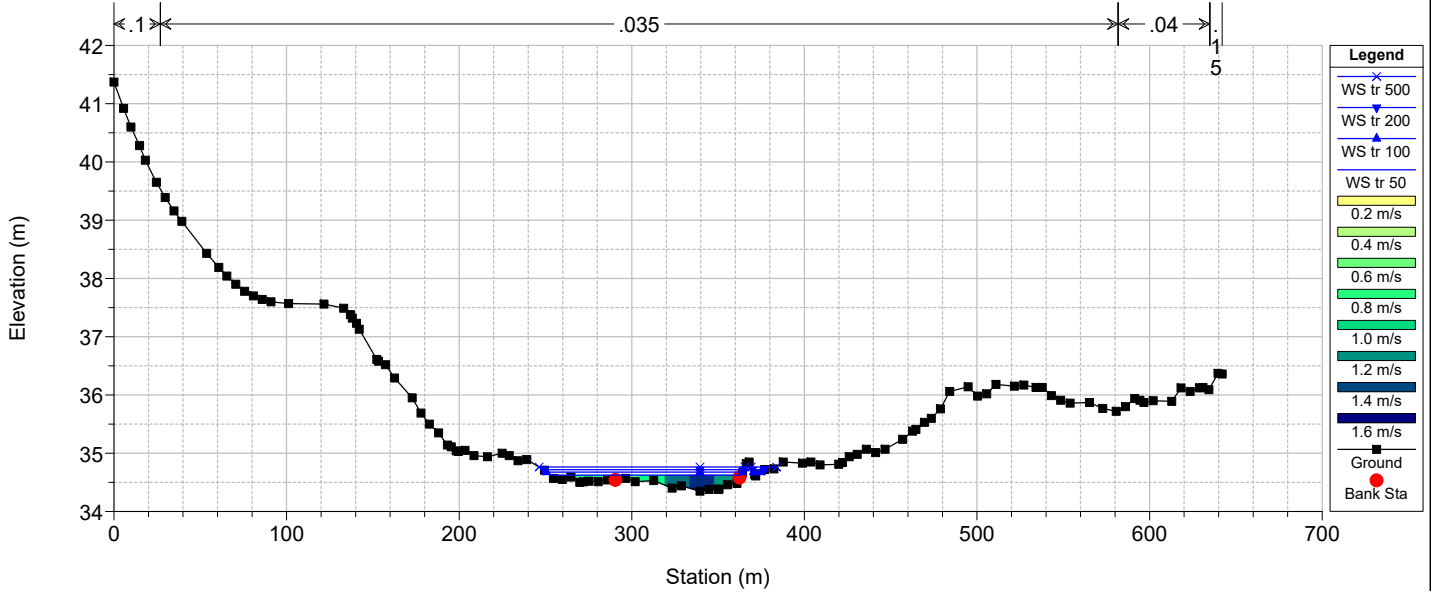
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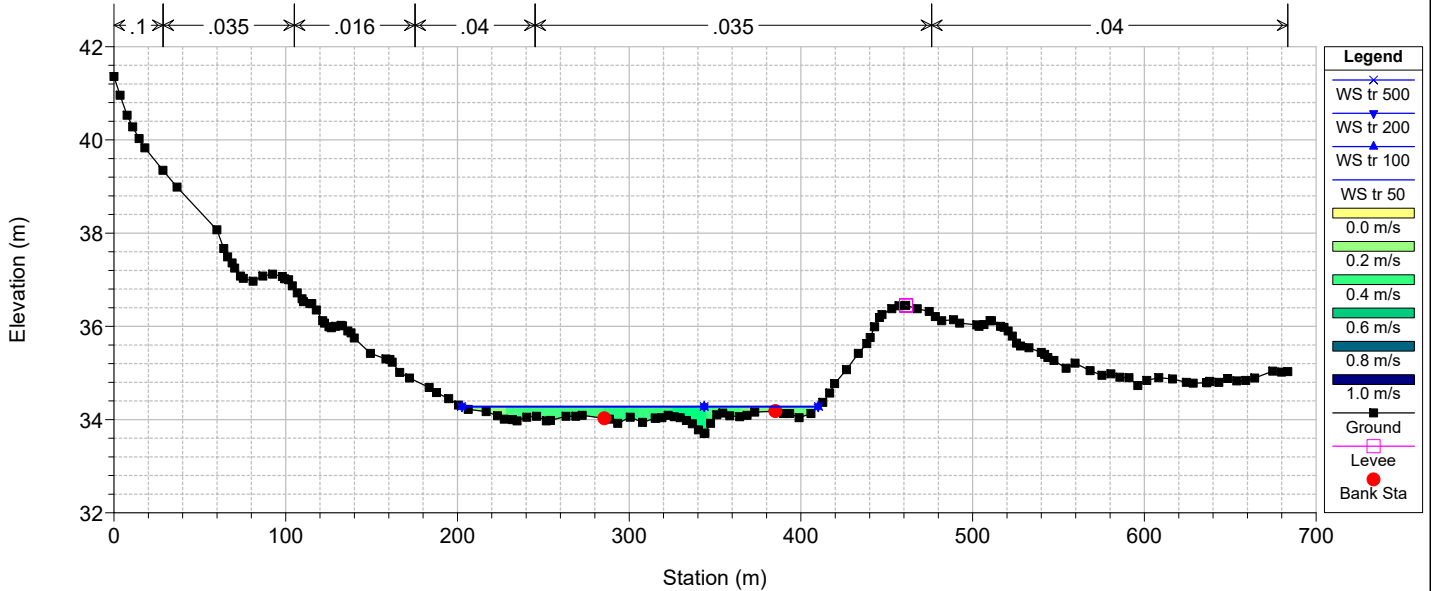
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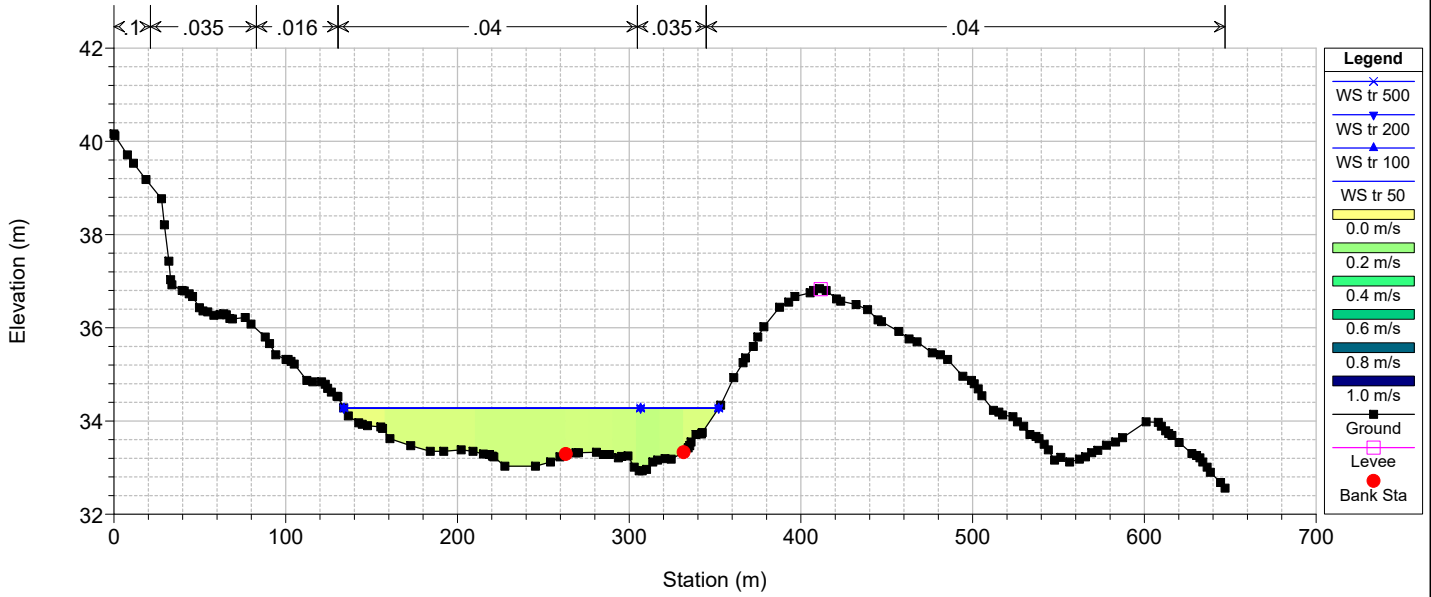
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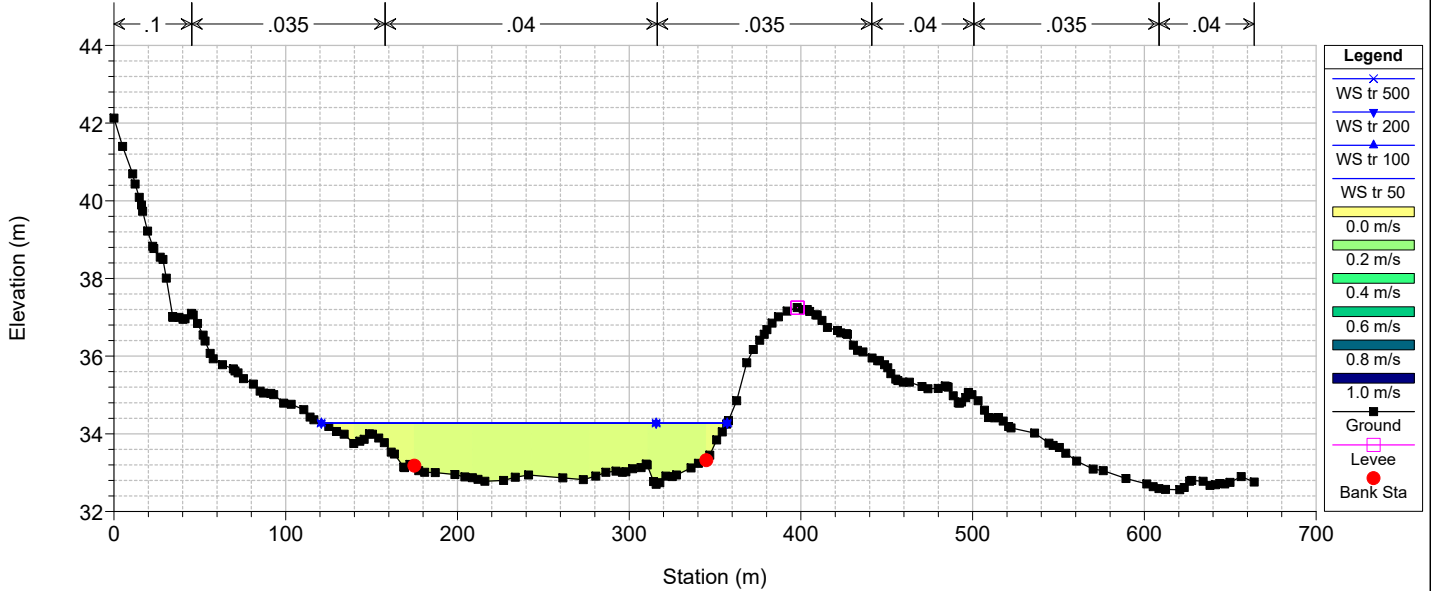
River = Canale di Bon Reach = Asta RS = 3918 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

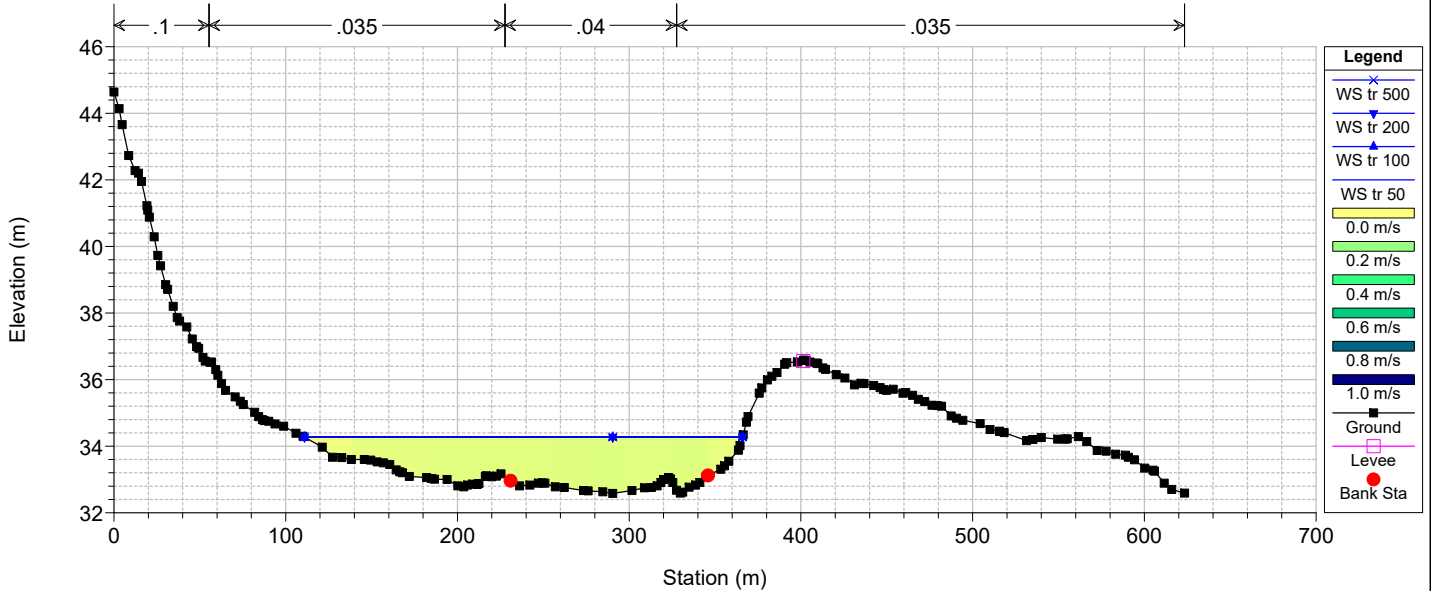
River = Canale di Bon Reach = Asta RS = 3862 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

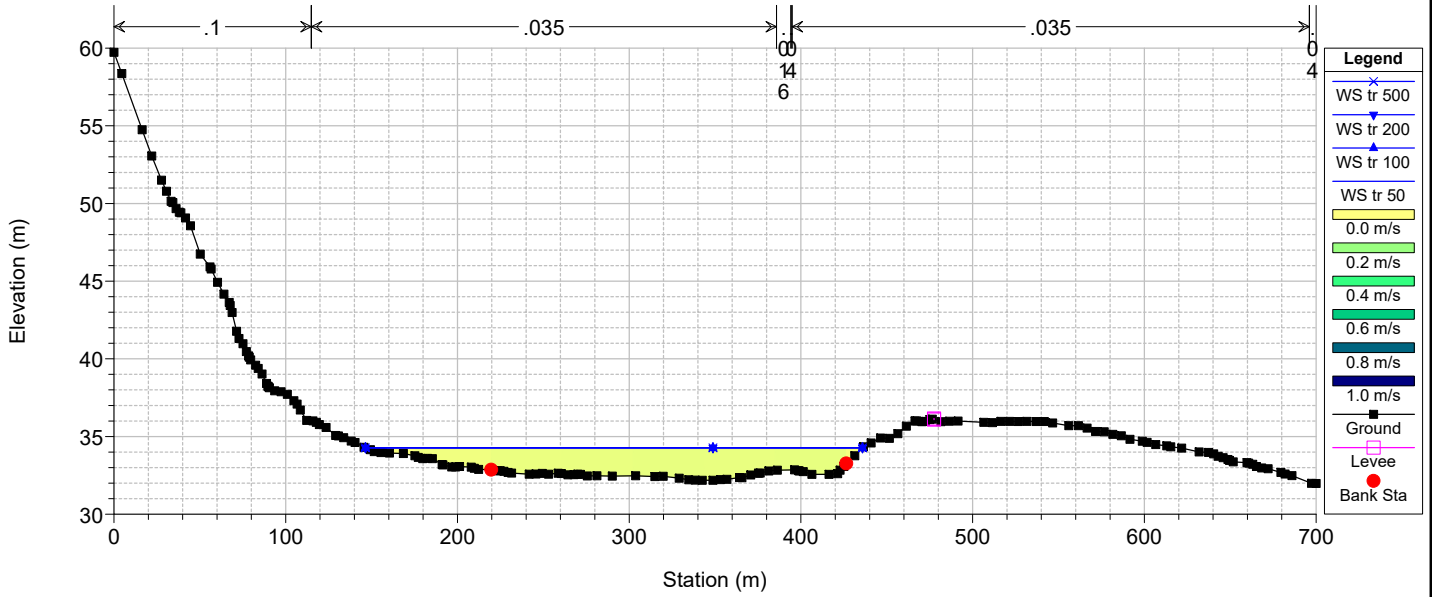
River = Canale di Bon Reach = Asta RS = 3814 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

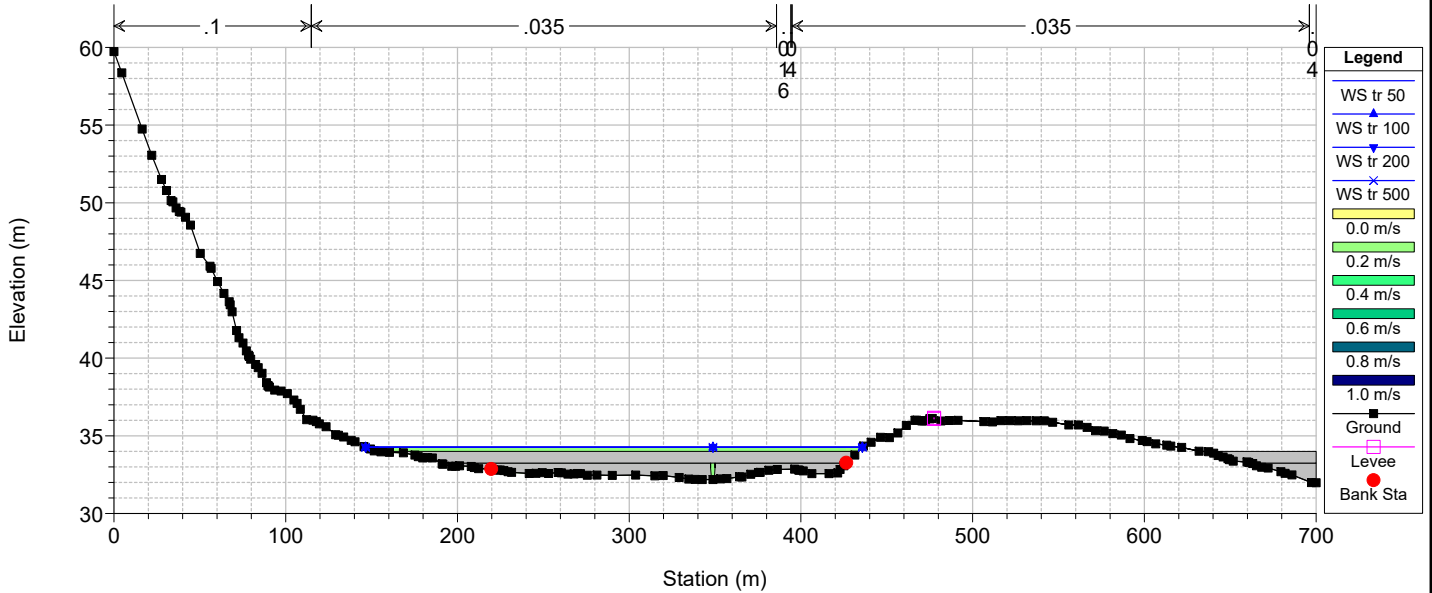
River = Canale di Bon Reach = Asta RS = 3744 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

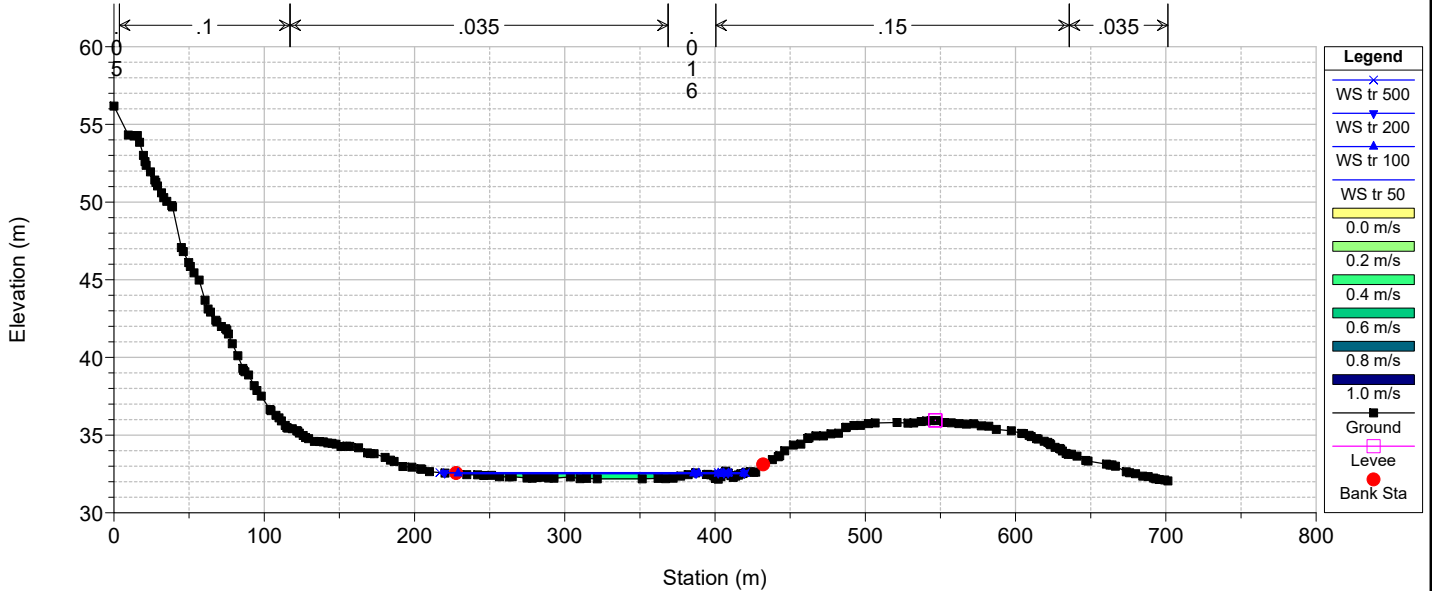
River = Canale di Bon Reach = Asta RS = 3726 BR COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

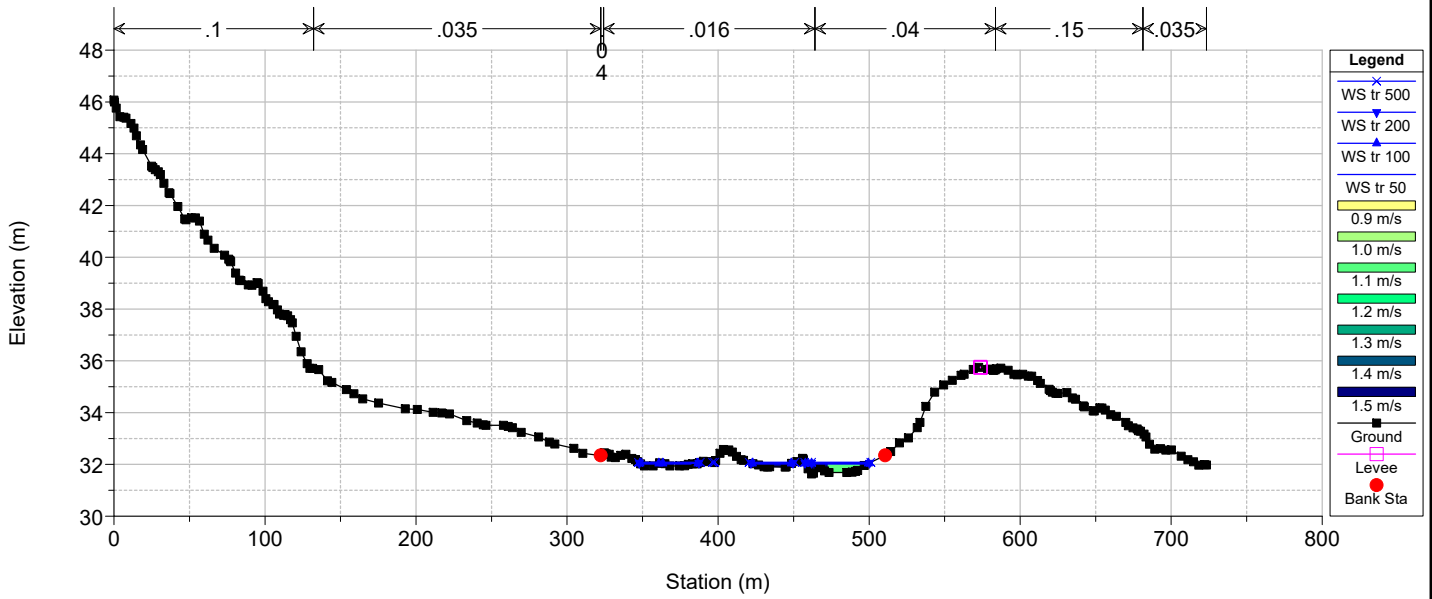
River = Canale di Bon Reach = Asta RS = 3706 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

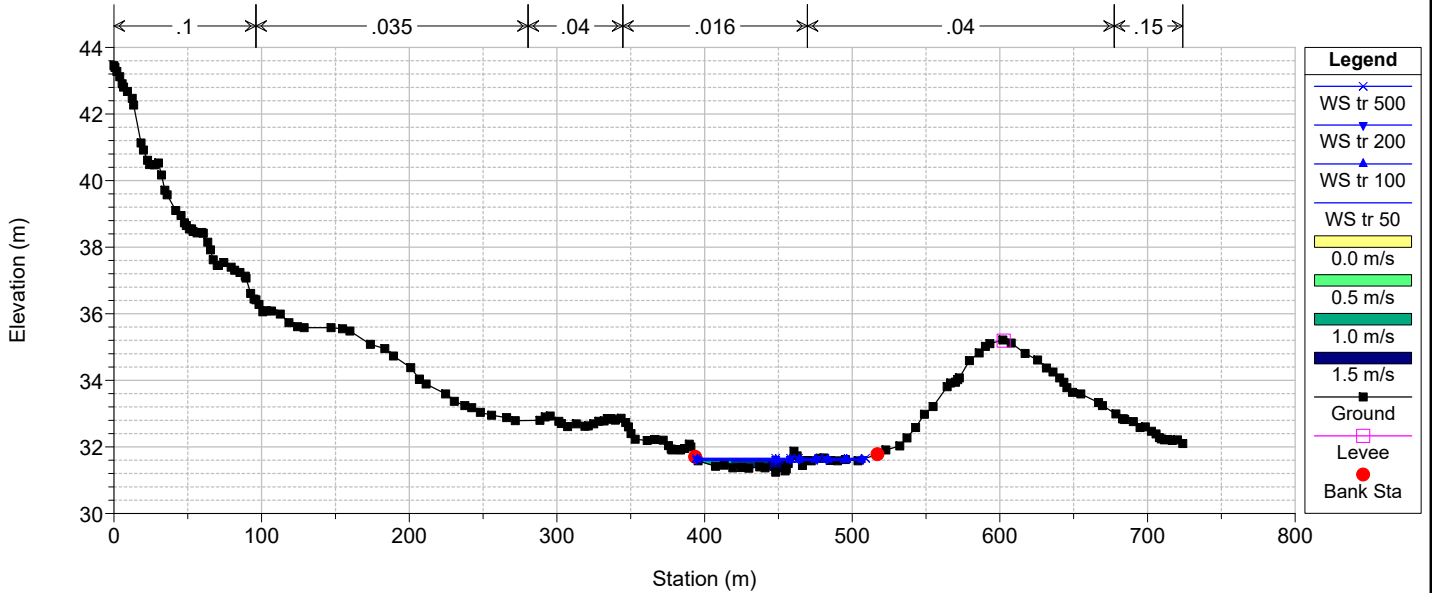
River = Canale di Bon Reach = Asta RS = 3575 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

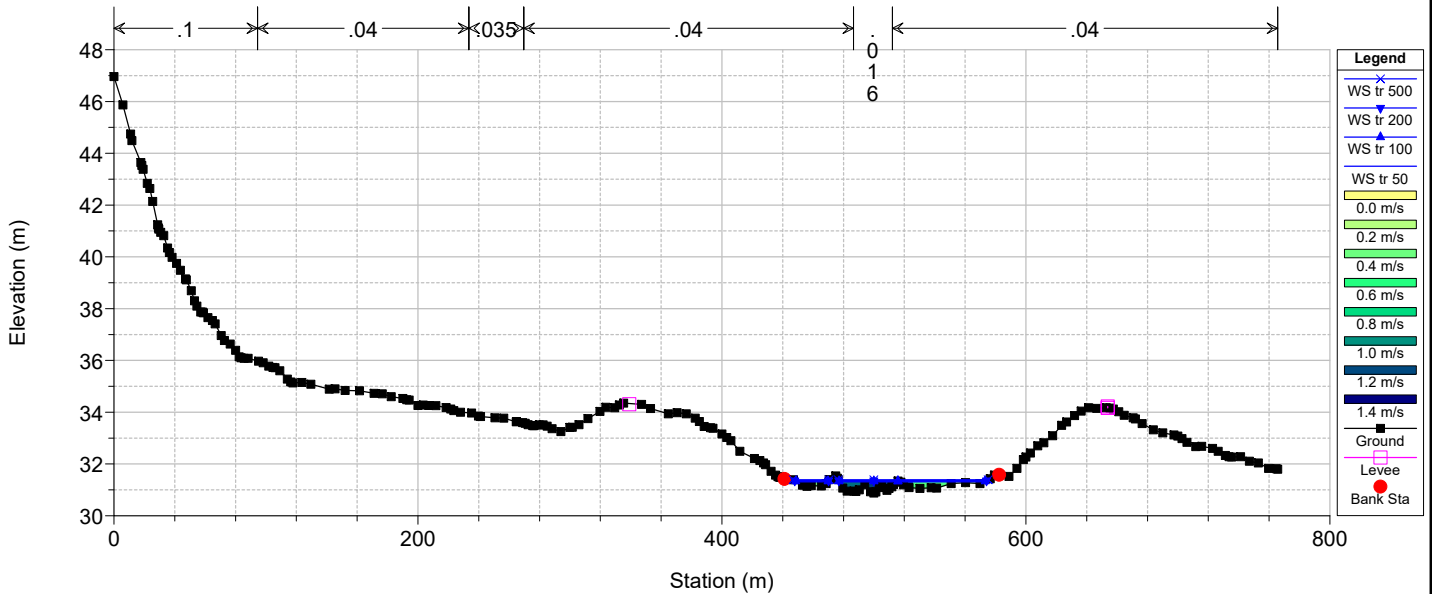
River = Canale di Bon Reach = Asta RS = 3511 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

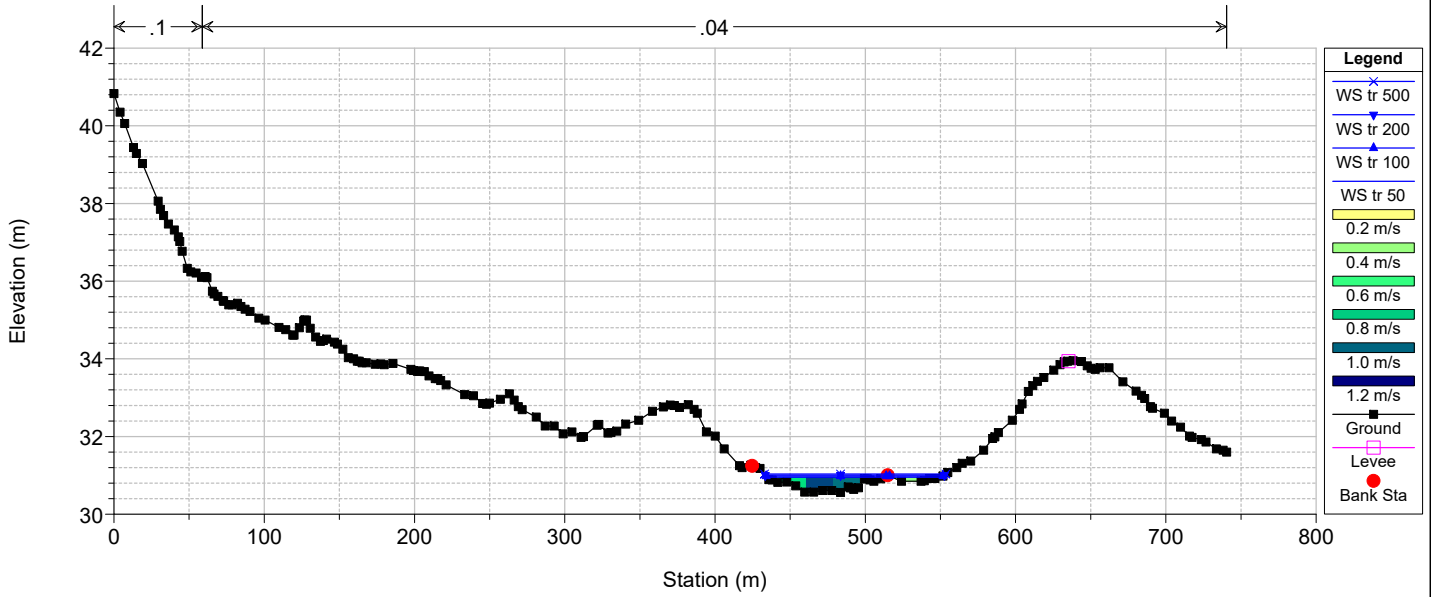
River = Canale di Bon Reach = Asta RS = 3436 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

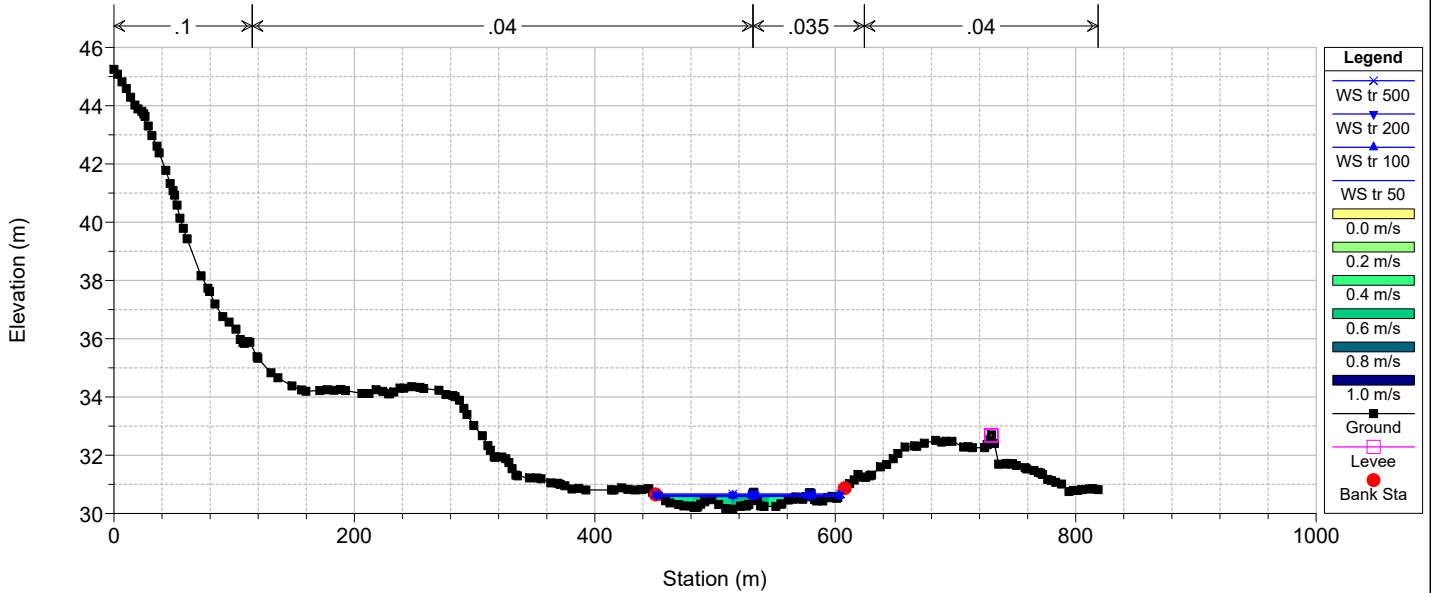
River = Canale di Bon Reach = Asta RS = 3370 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

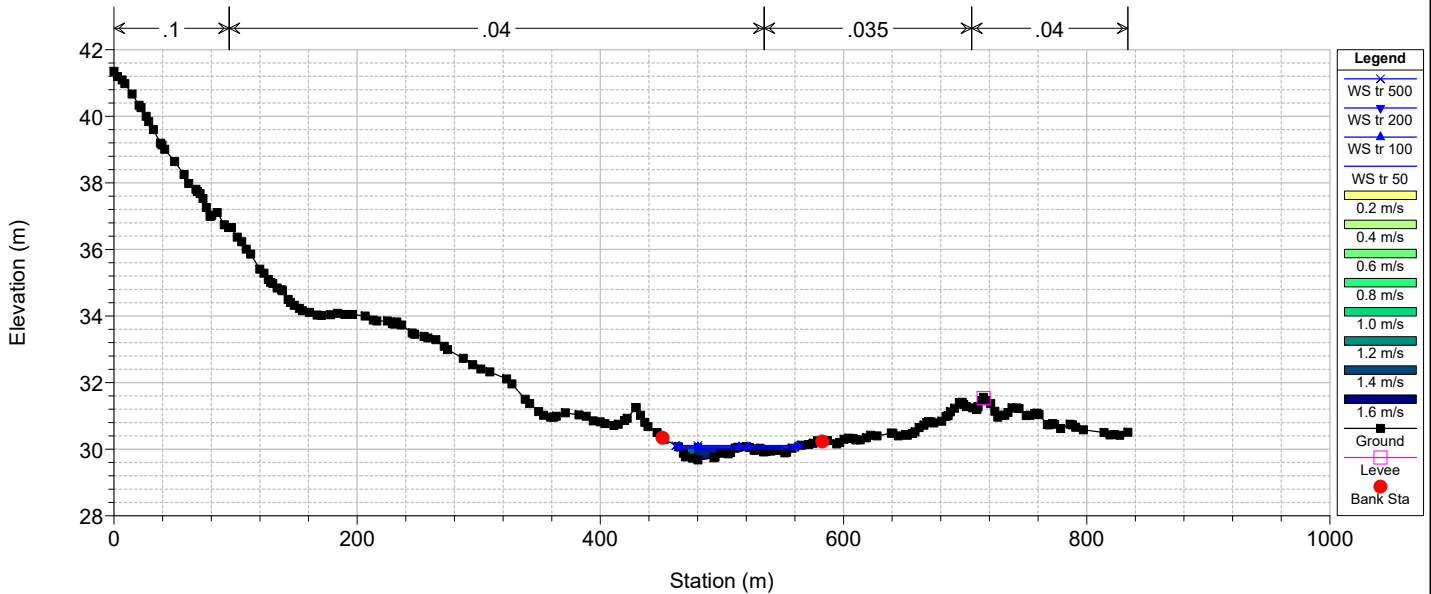
River = Canale di Bon Reach = Asta RS = 3291 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

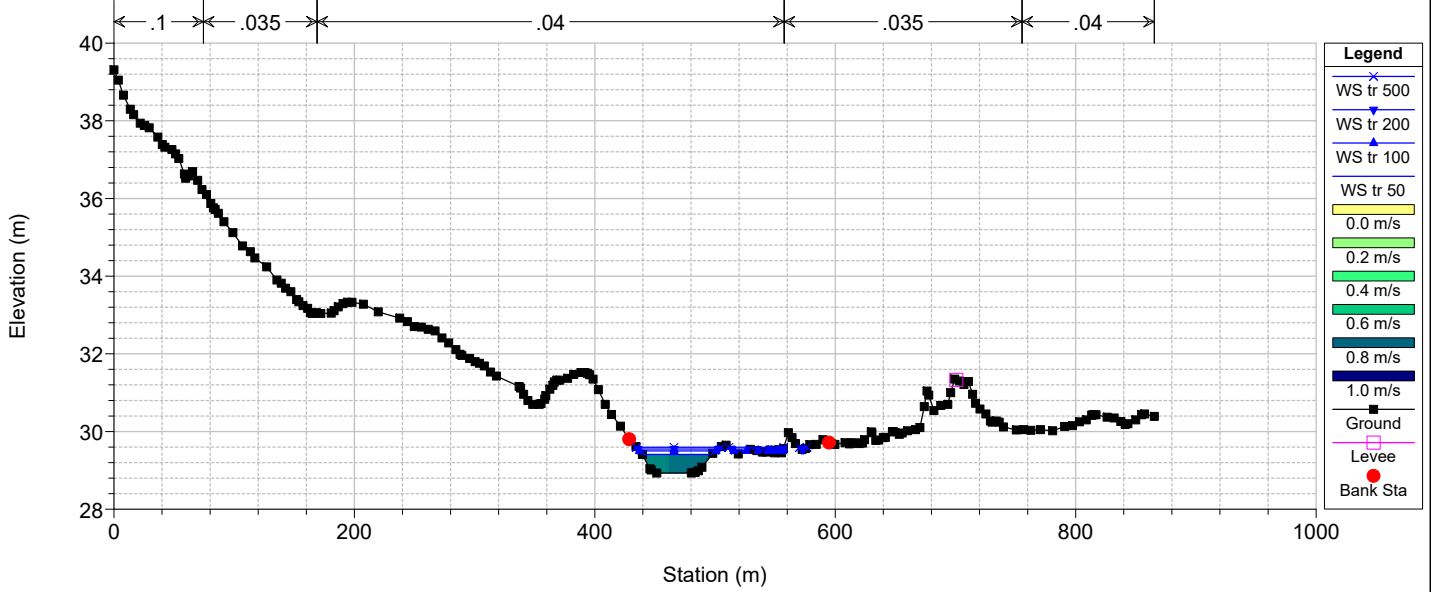
River = Canale di Bon Reach = Asta RS = 3220 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

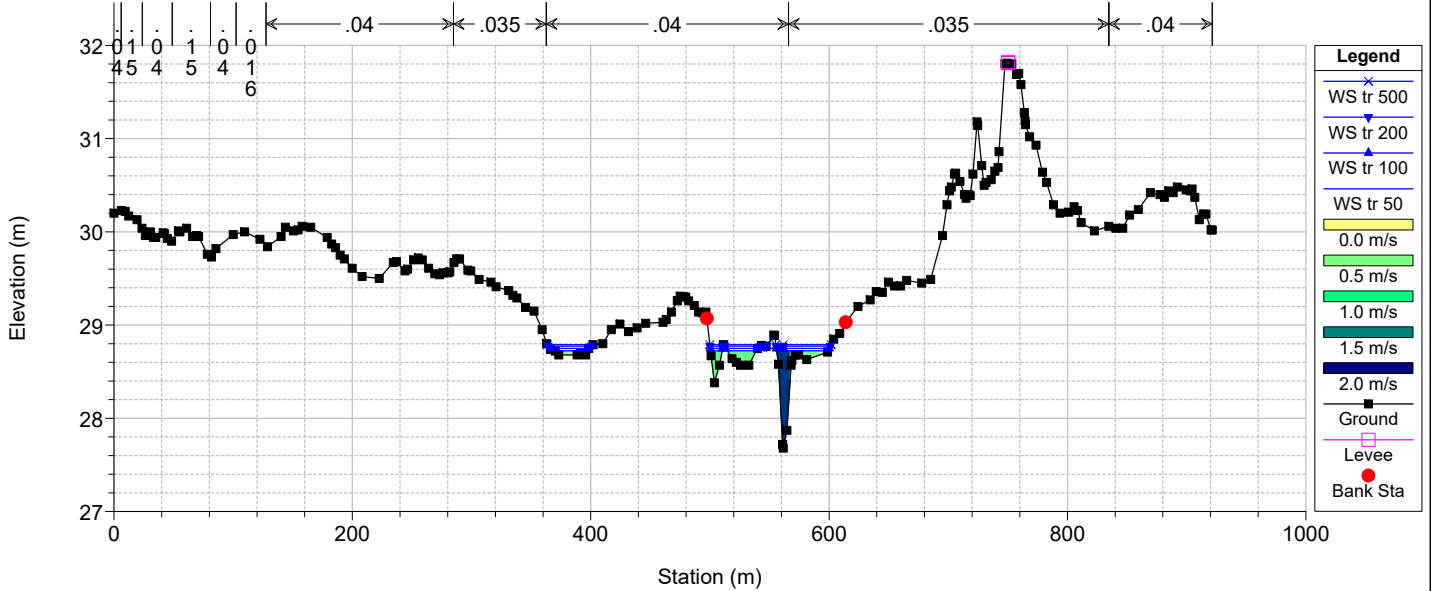
River = Canale di Bon Reach = Asta RS = 3145 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

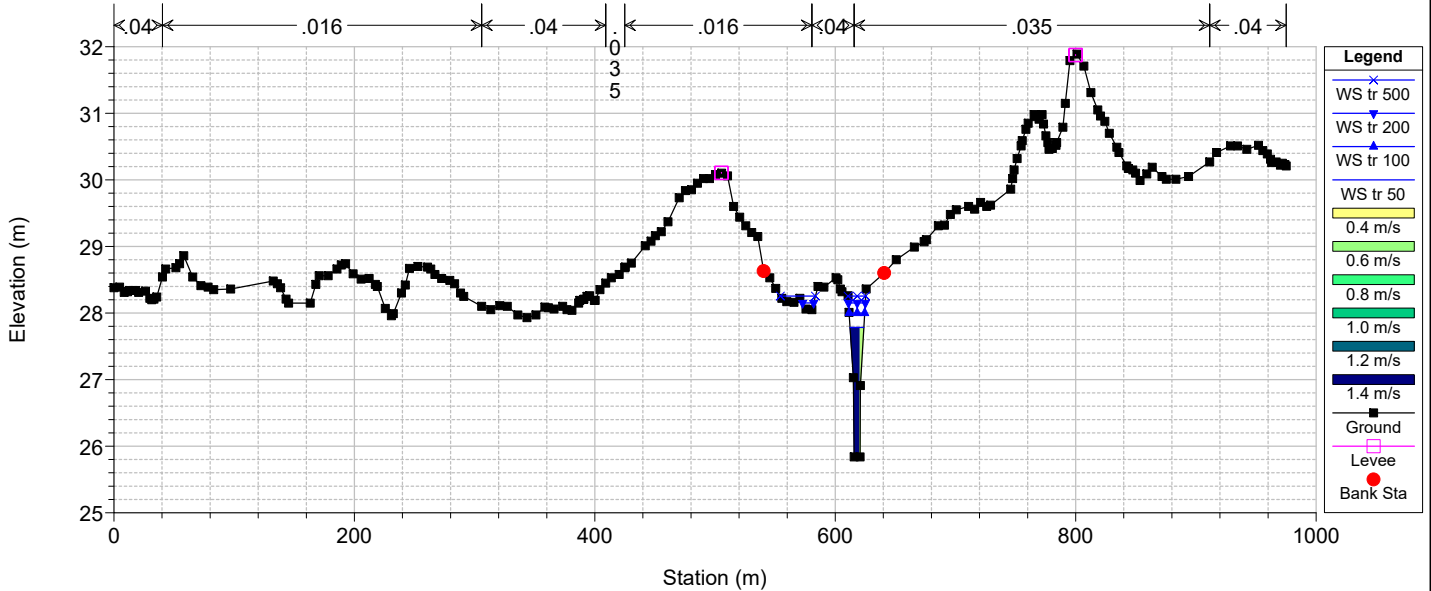
River = Canale di Bon Reach = Asta RS = 3047 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

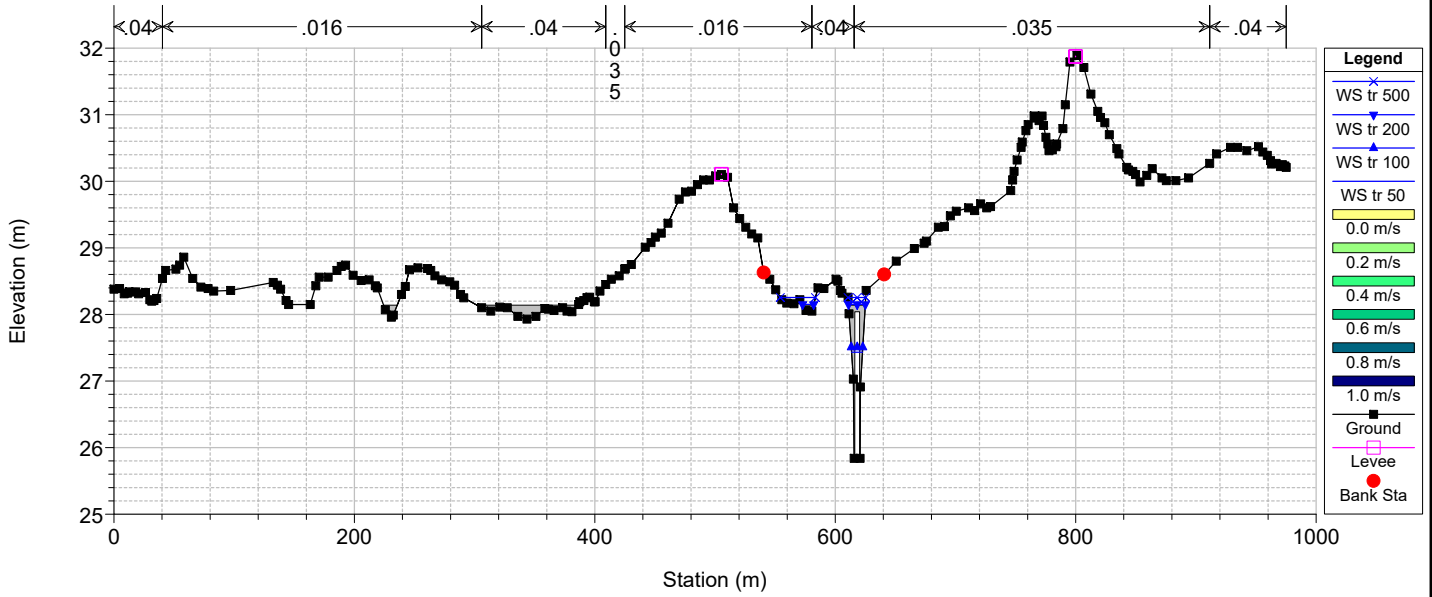
River = Canale di Bon Reach = Asta RS = 3006 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

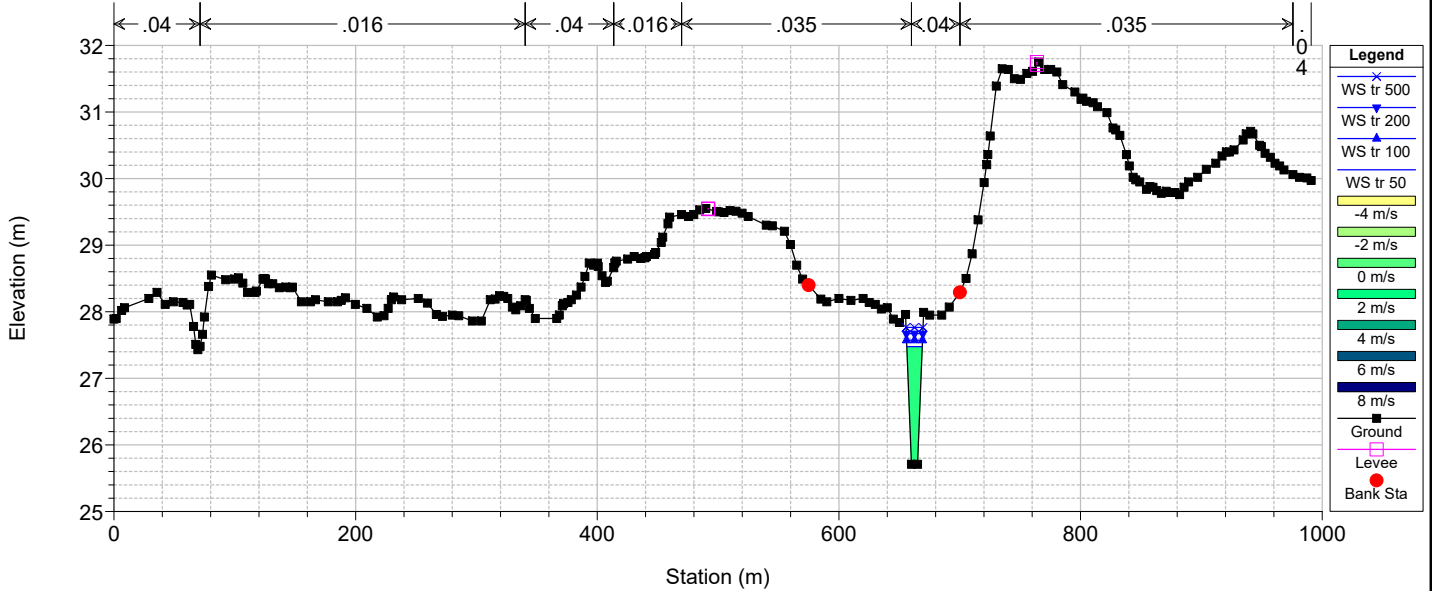
River = Canale di Bon Reach = Asta RS = 2979 Culv COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

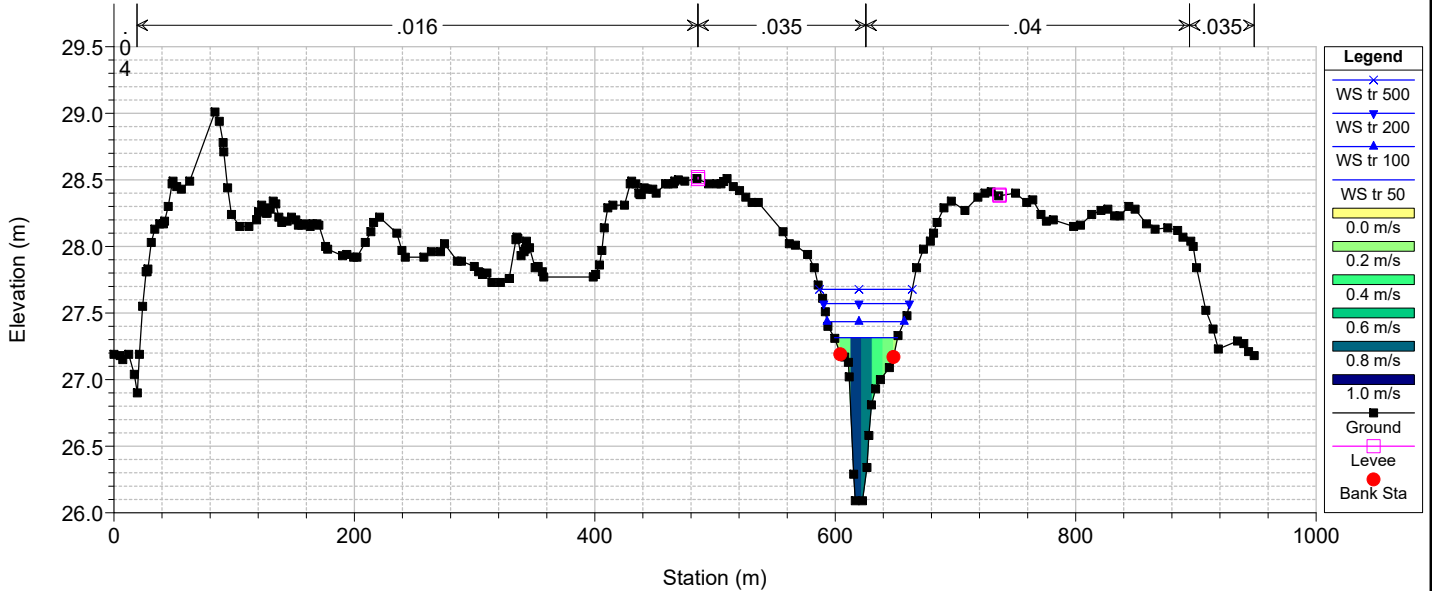
River = Canale di Bon Reach = Asta RS = 2951 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

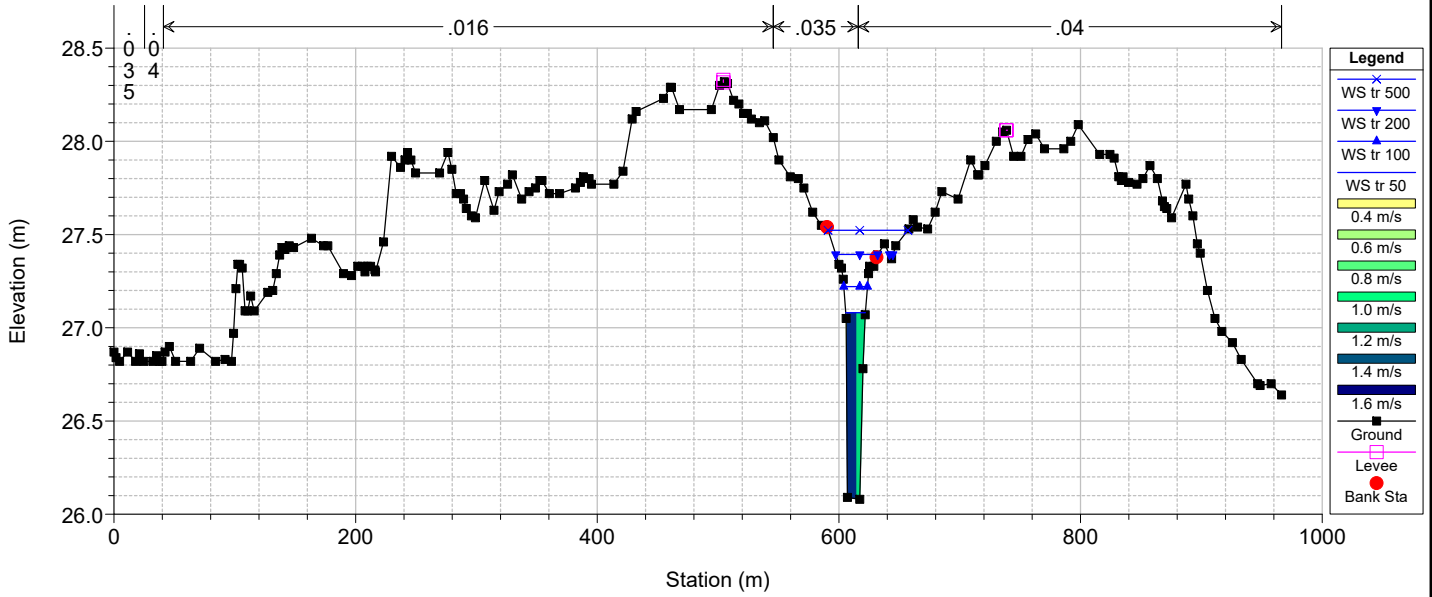
River = Canale di Bon Reach = Asta RS = 2806 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

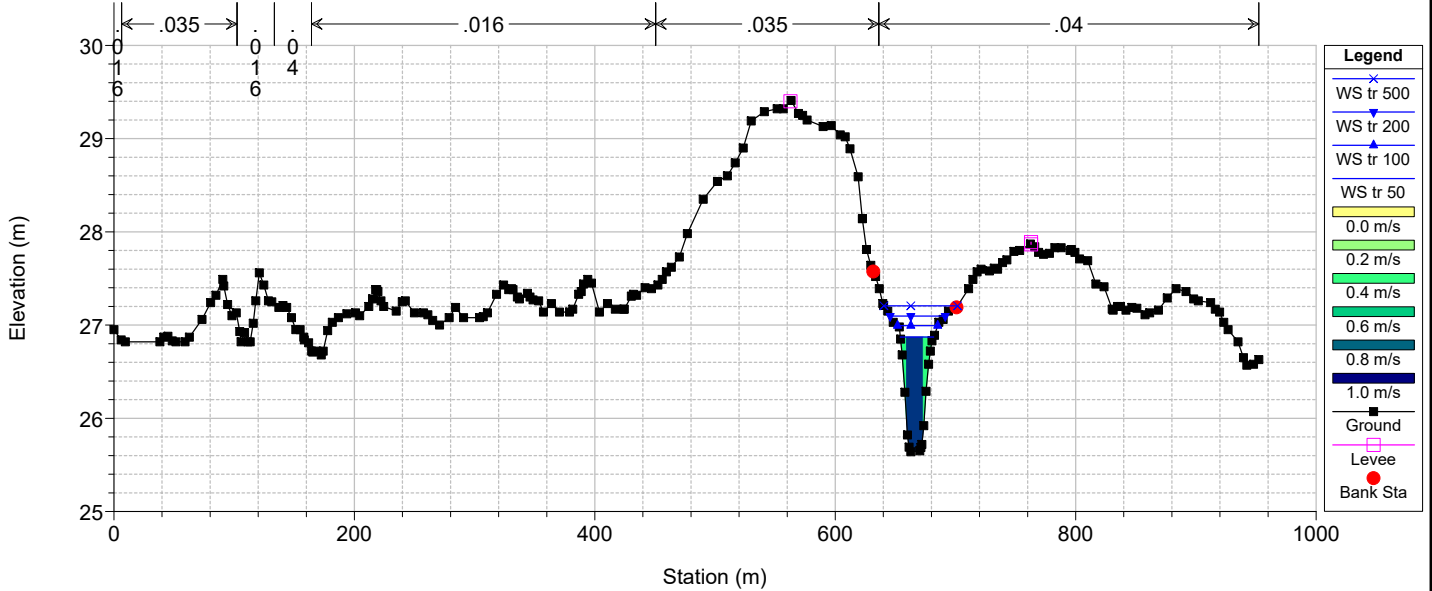
River = Canale di Bon Reach = Asta RS = 2718 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

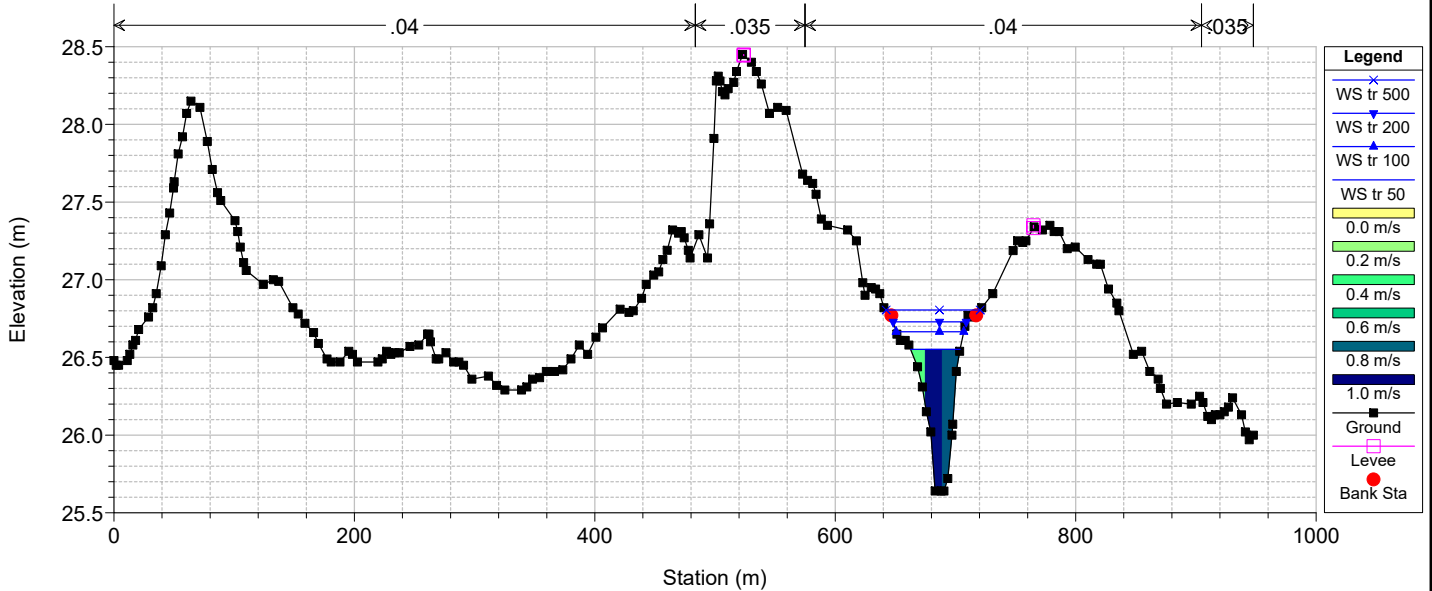
River = Canale di Bon Reach = Asta RS = 2591 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

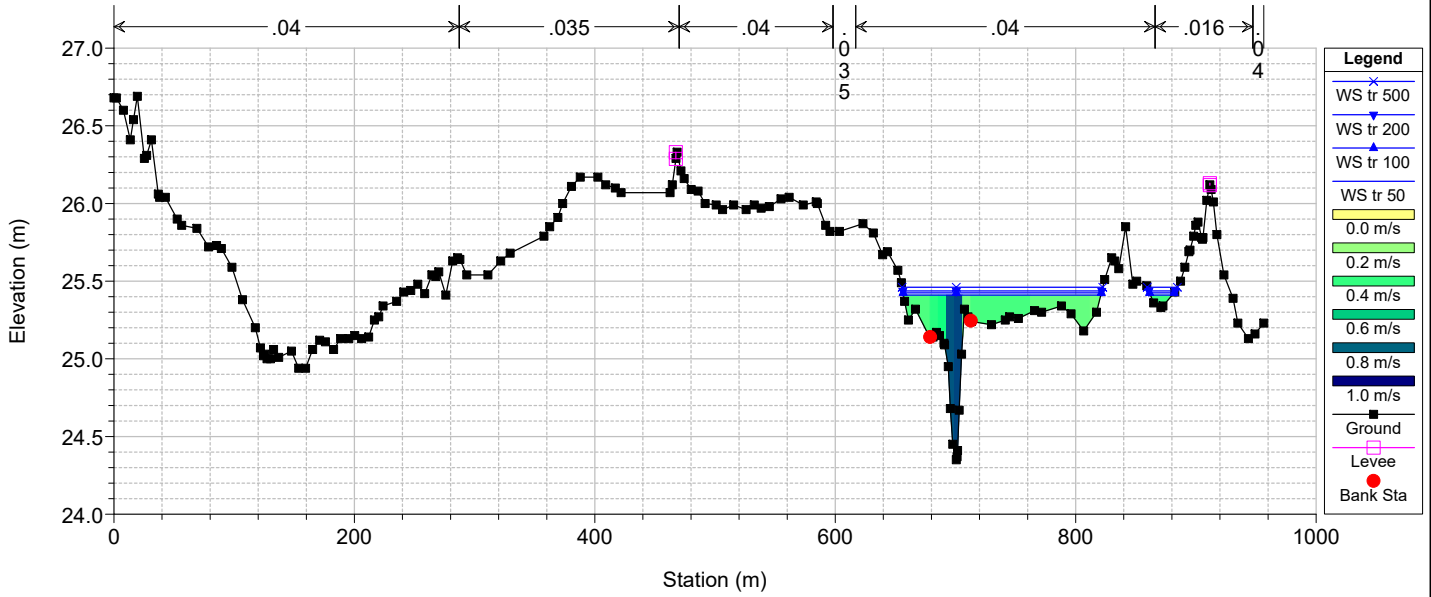
River = Canale di Bon Reach = Asta RS = 2433 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

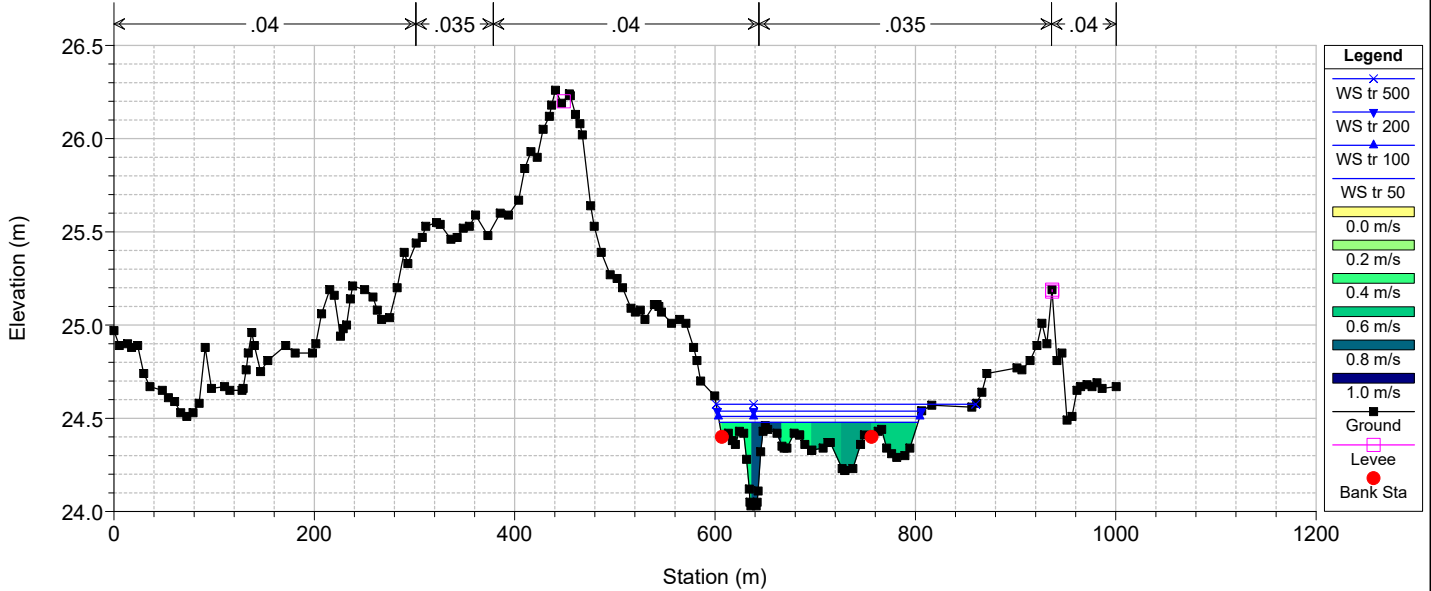
River = Canale di Bon Reach = Asta RS = 2015 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

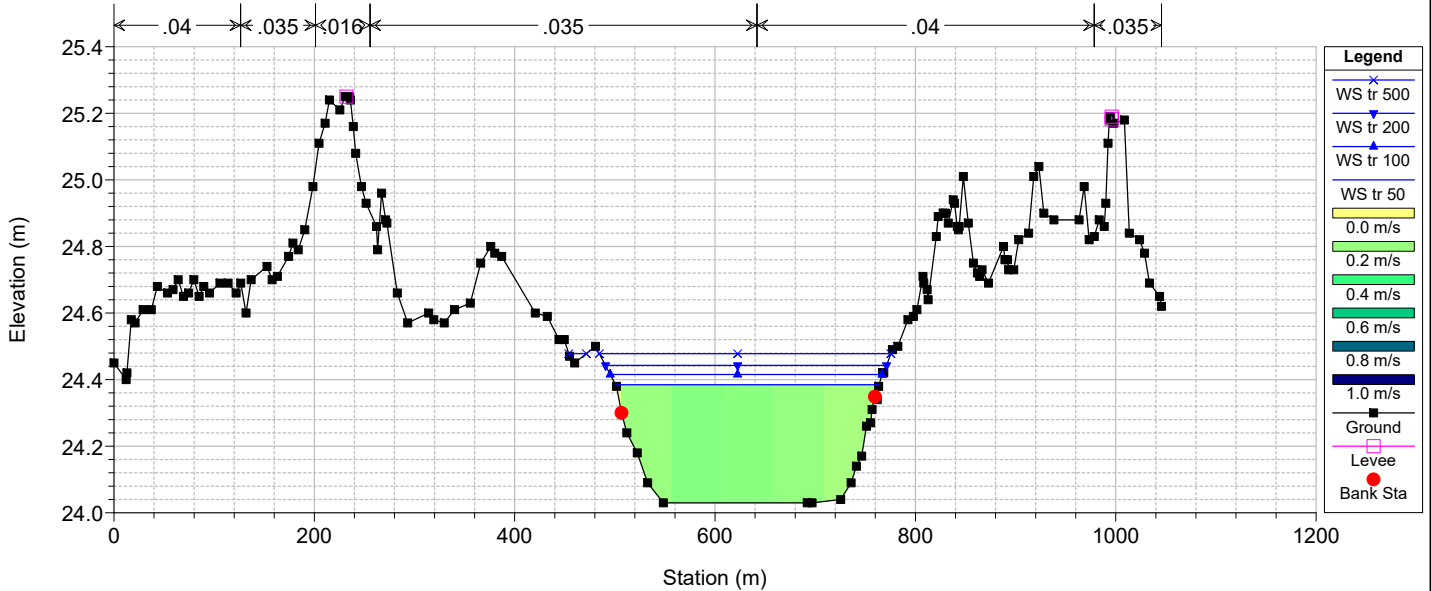
River = Canale di Bon Reach = Asta RS = 1777 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

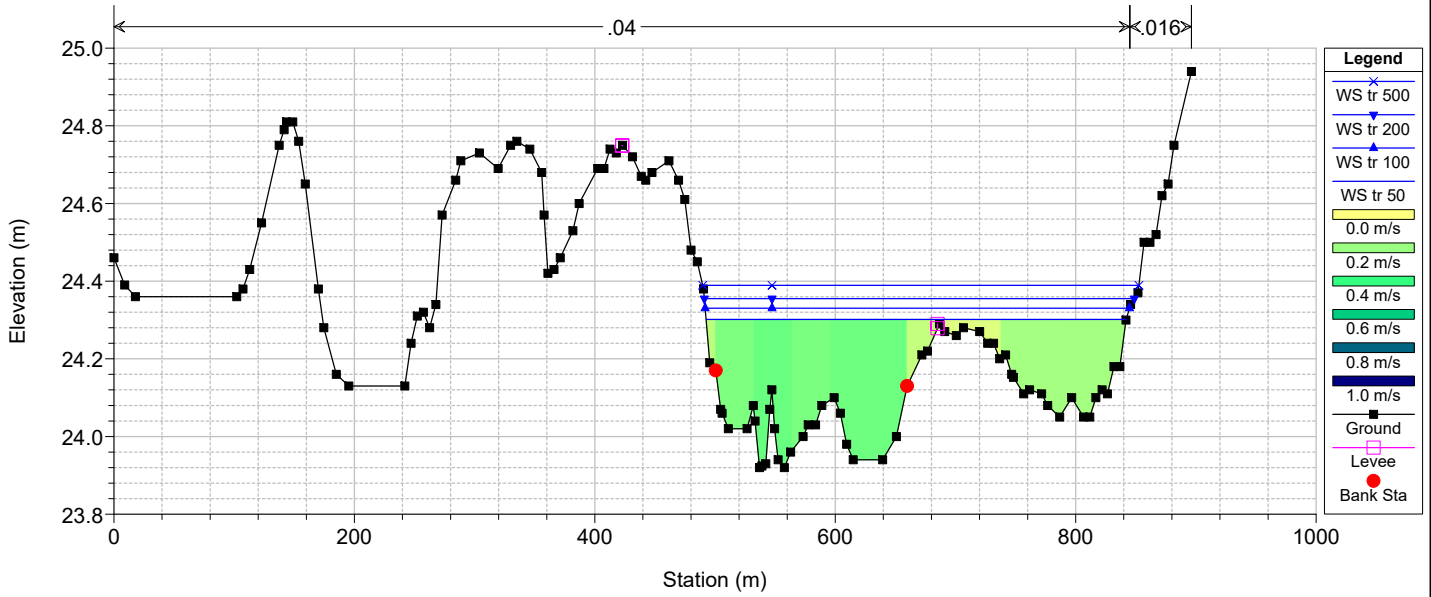
River = Canale di Bon Reach = Asta RS = 1643 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

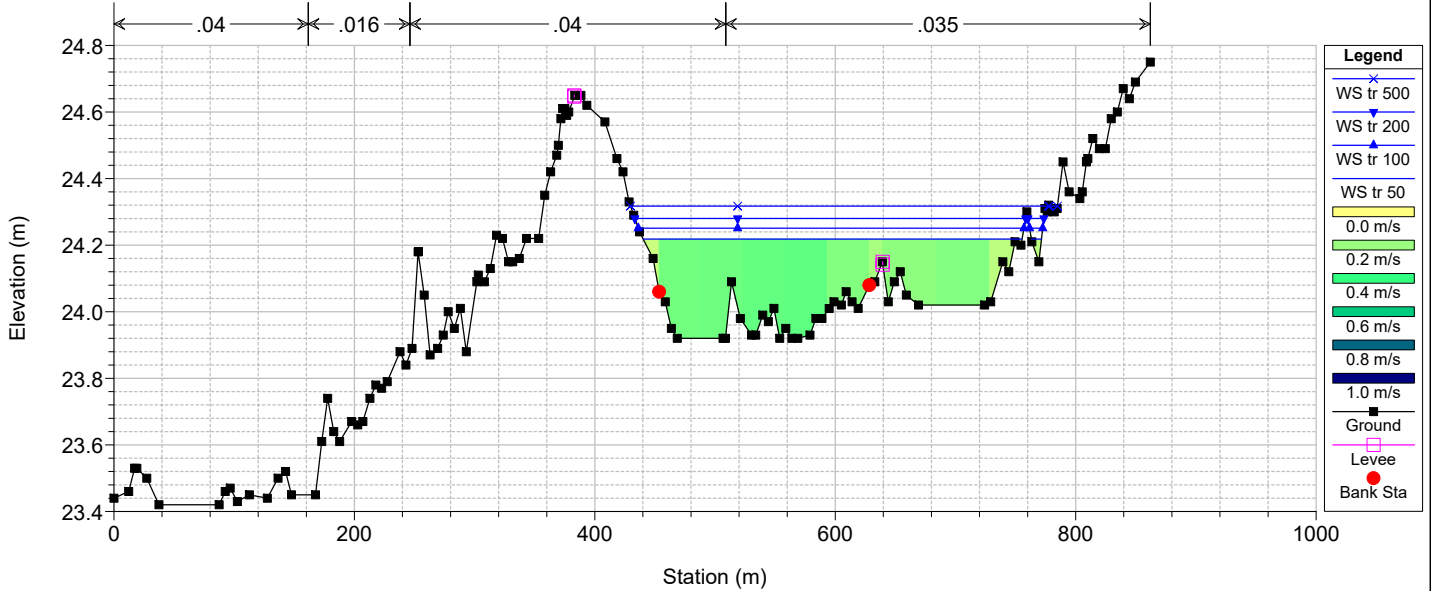
River = Canale di Bon Reach = Asta RS = 1440 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

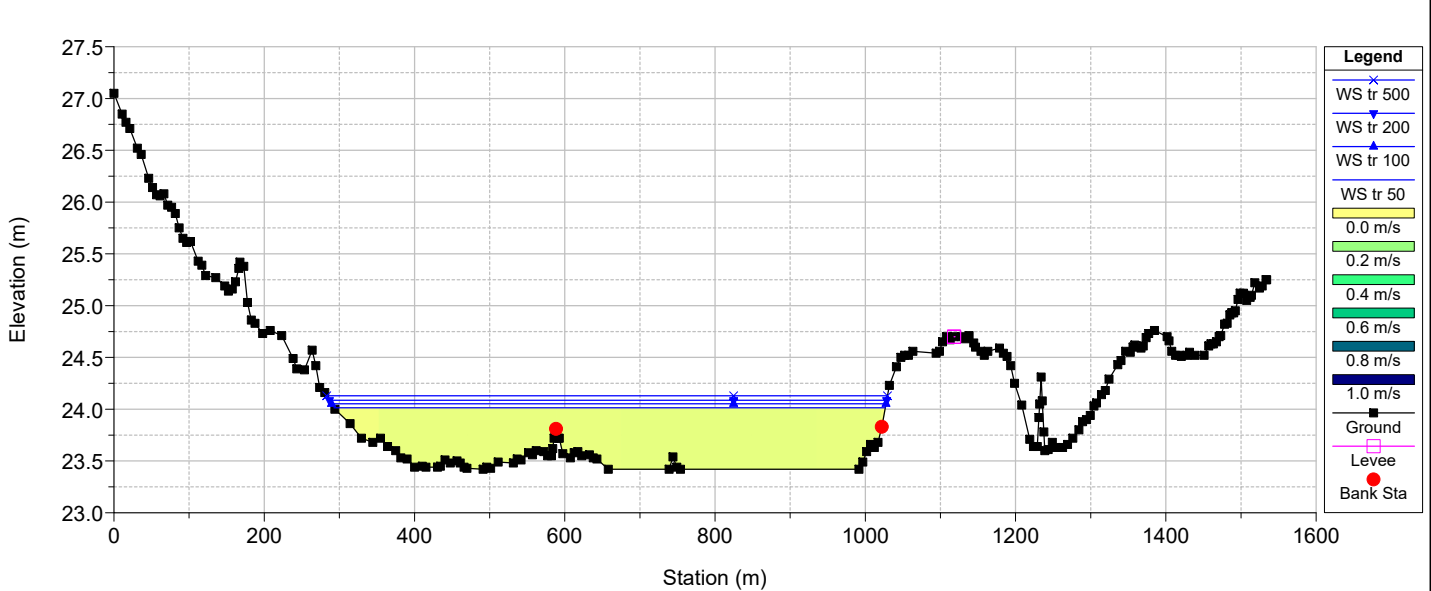
River = Canale di Bon Reach = Asta RS = 1315 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

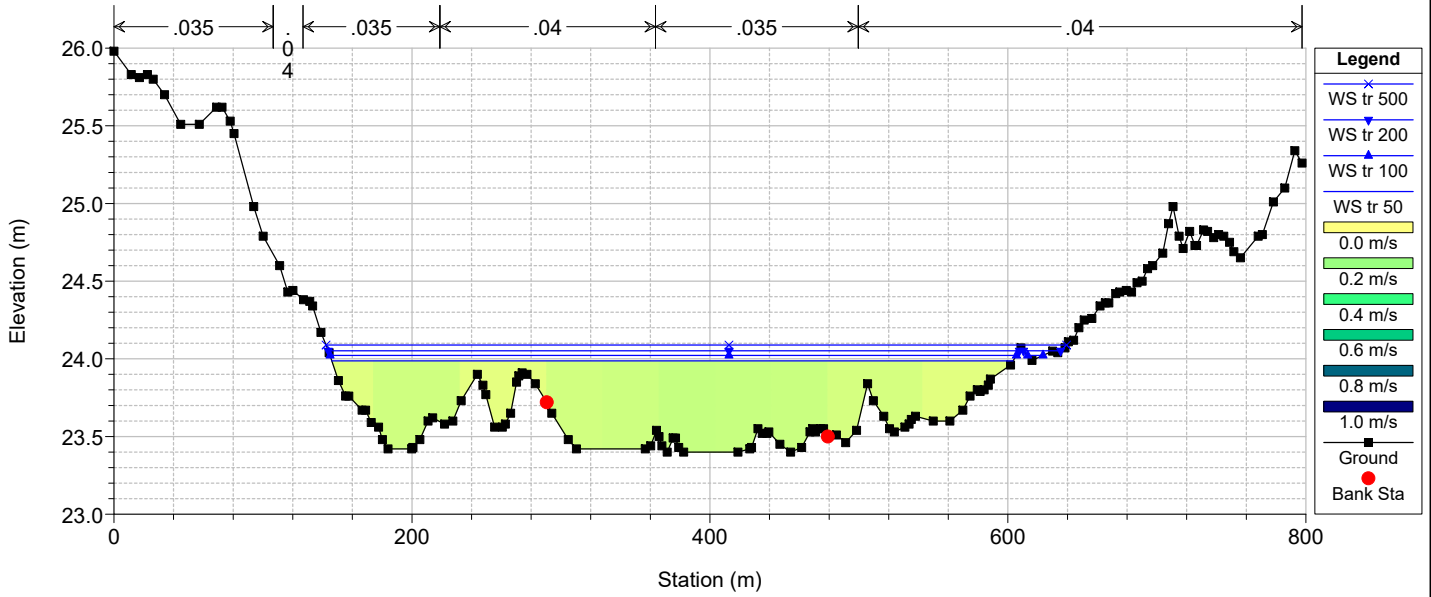
River = Canale di Bon Reach = Asta RS = 1177 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

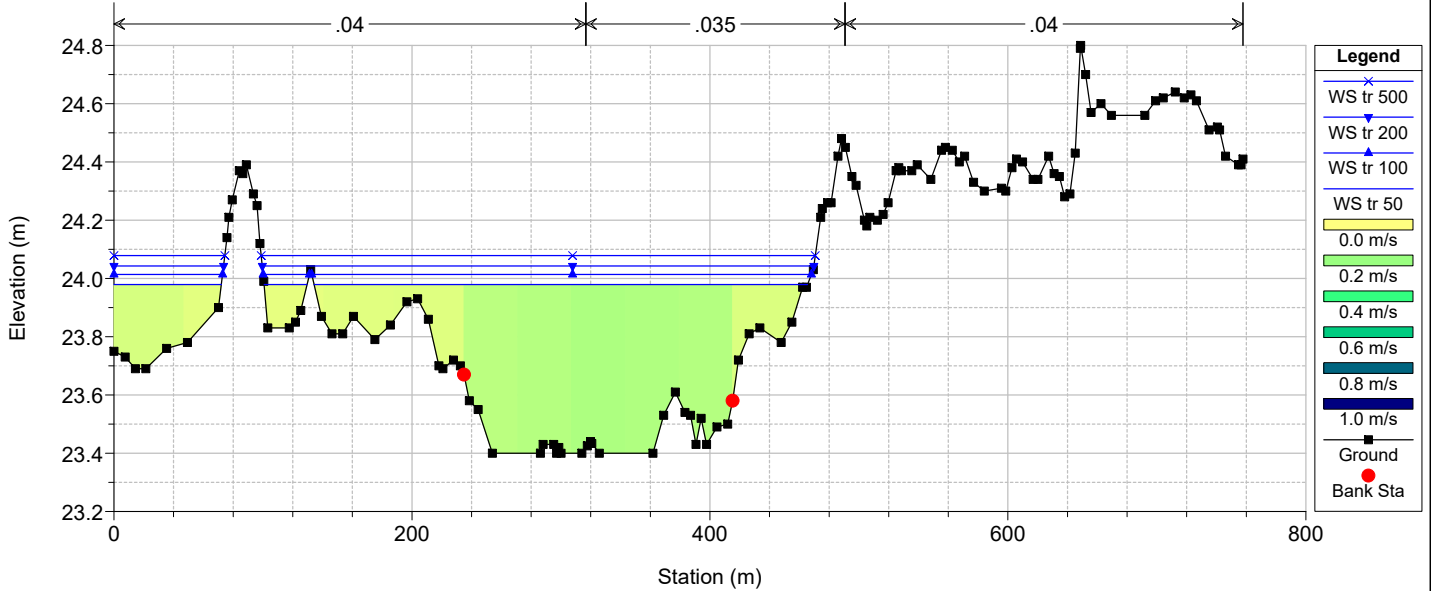
River = Canale di Bon Reach = Asta RS = 941 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

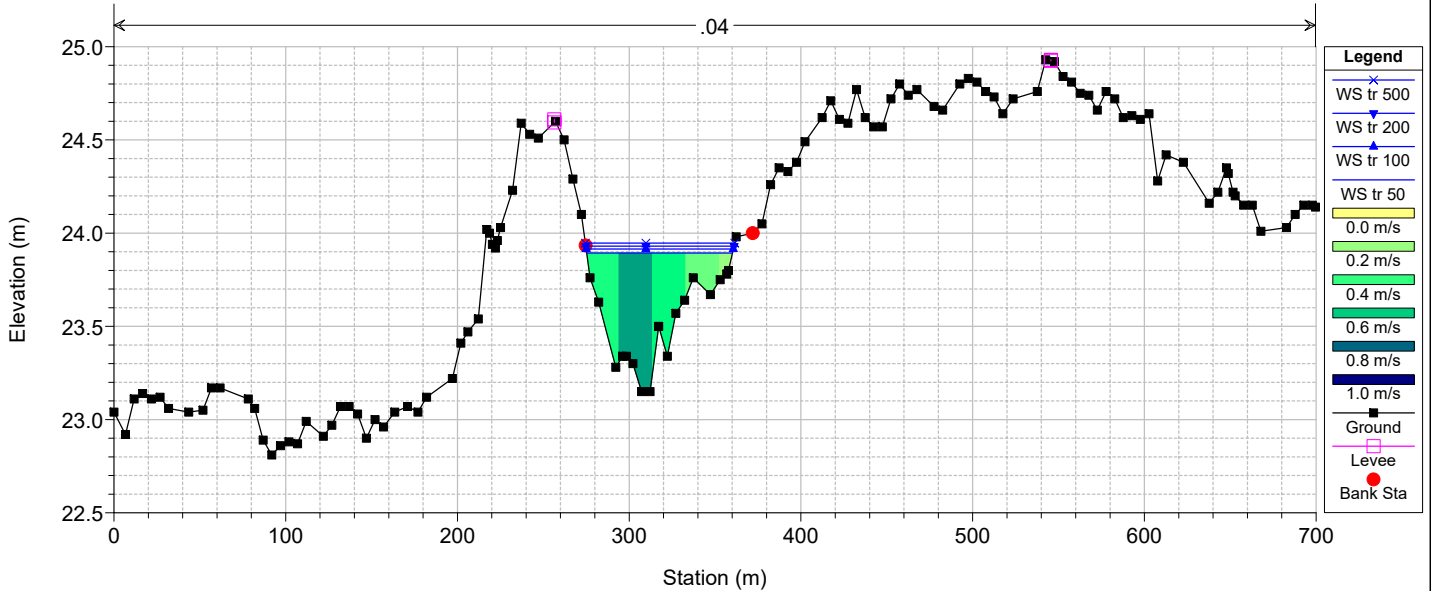
River = Canale di Bon Reach = Asta RS = 797 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

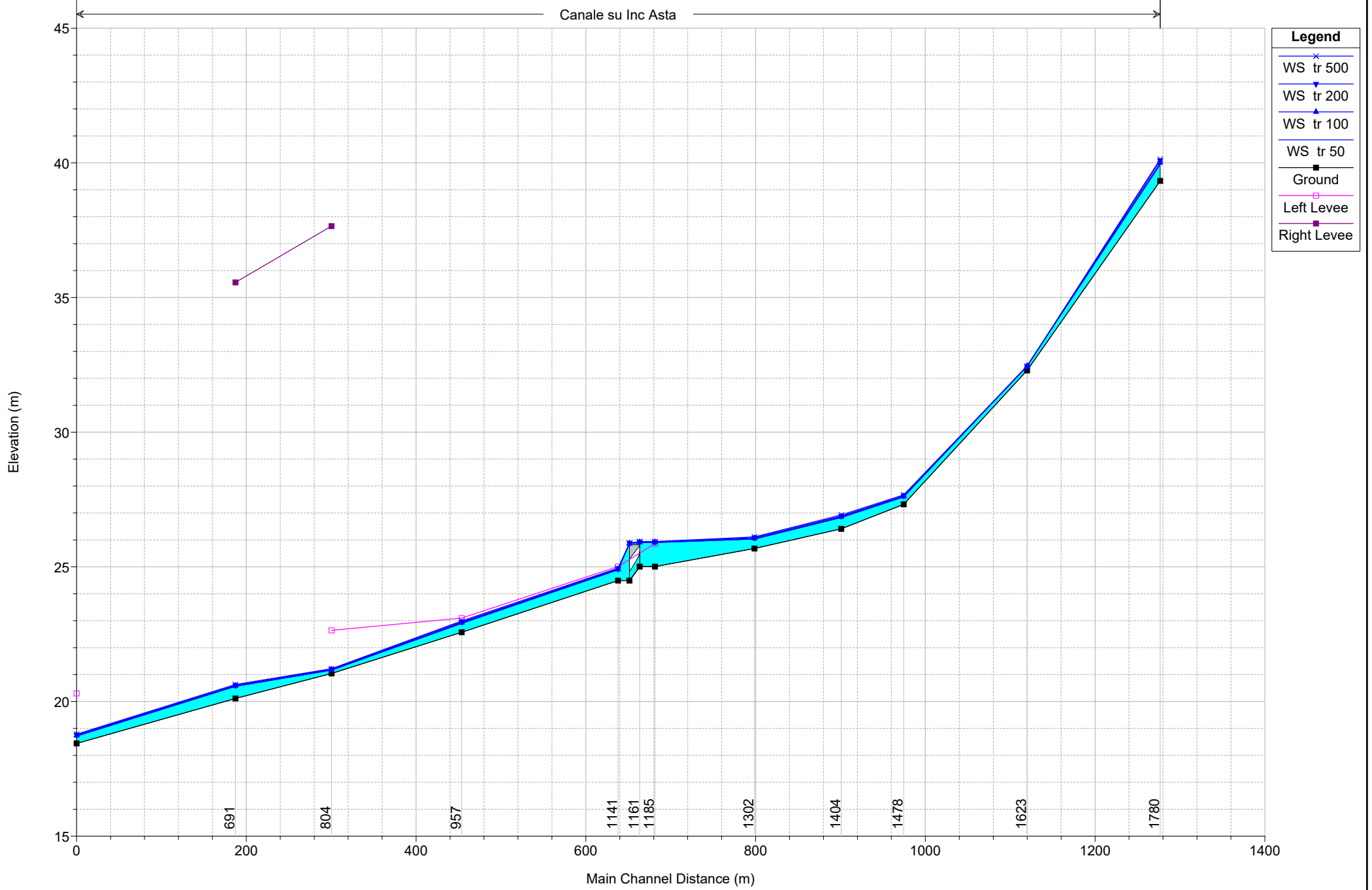
River = Canale di Bon Reach = Asta RS = 434 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



HEC-RAS Plan: 04082023 River: Canale di Bon Reach: Asta (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta	797	tr 50	17.00	23.40	23.98		23.98	0.000071	0.15	137.86	432.12	0.07
Asta	797	tr 100	20.50	23.40	24.01		24.01	0.000078	0.16	152.90	439.42	0.07
Asta	797	tr 200	23.90	23.40	24.04		24.04	0.000085	0.18	165.66	443.78	0.07
Asta	797	tr 500	28.60	23.40	24.08		24.08	0.000094	0.19	181.67	446.34	0.08
Asta	434	tr 50	17.00	23.15	23.89	23.59	23.91	0.001716	0.54	31.68	84.90	0.28
Asta	434	tr 100	20.50	23.15	23.91	23.63	23.93	0.002107	0.61	33.46	85.73	0.31
Asta	434	tr 200	23.90	23.15	23.93	23.66	23.95	0.002532	0.69	34.82	86.36	0.35
Asta	434	tr 500	28.60	23.15	23.95	23.72	23.98	0.003207	0.79	36.20	86.99	0.39

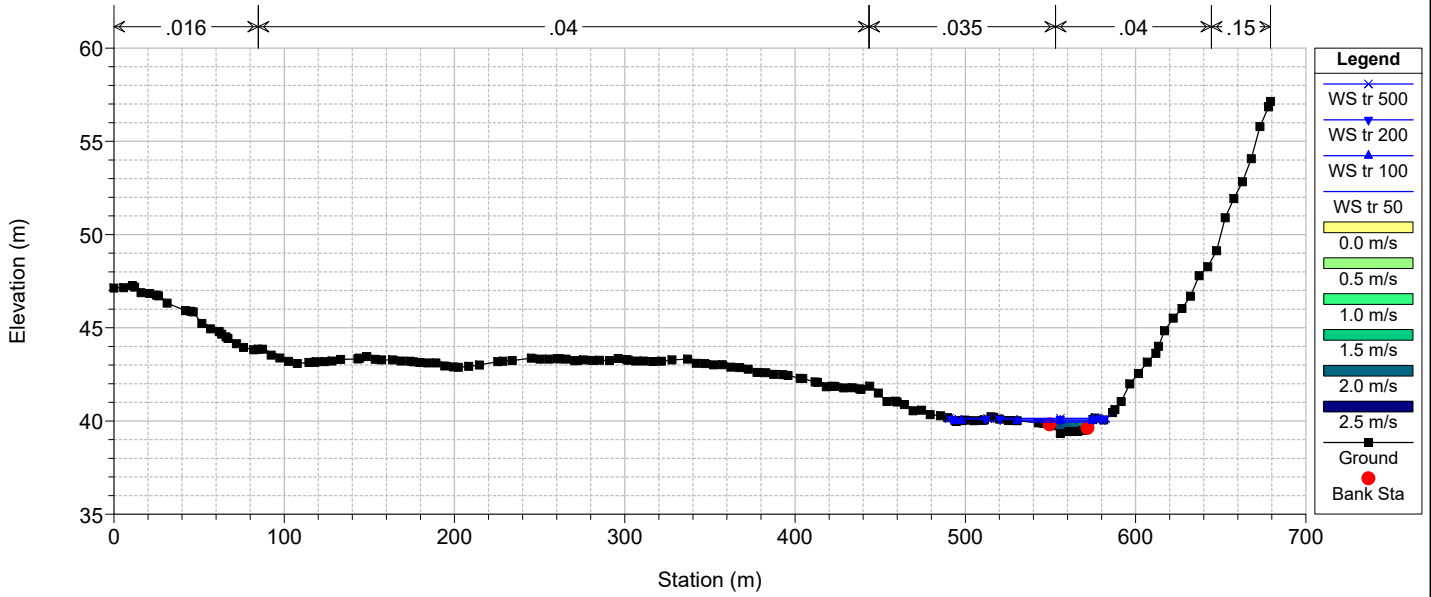
Canale su Inc Asta



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

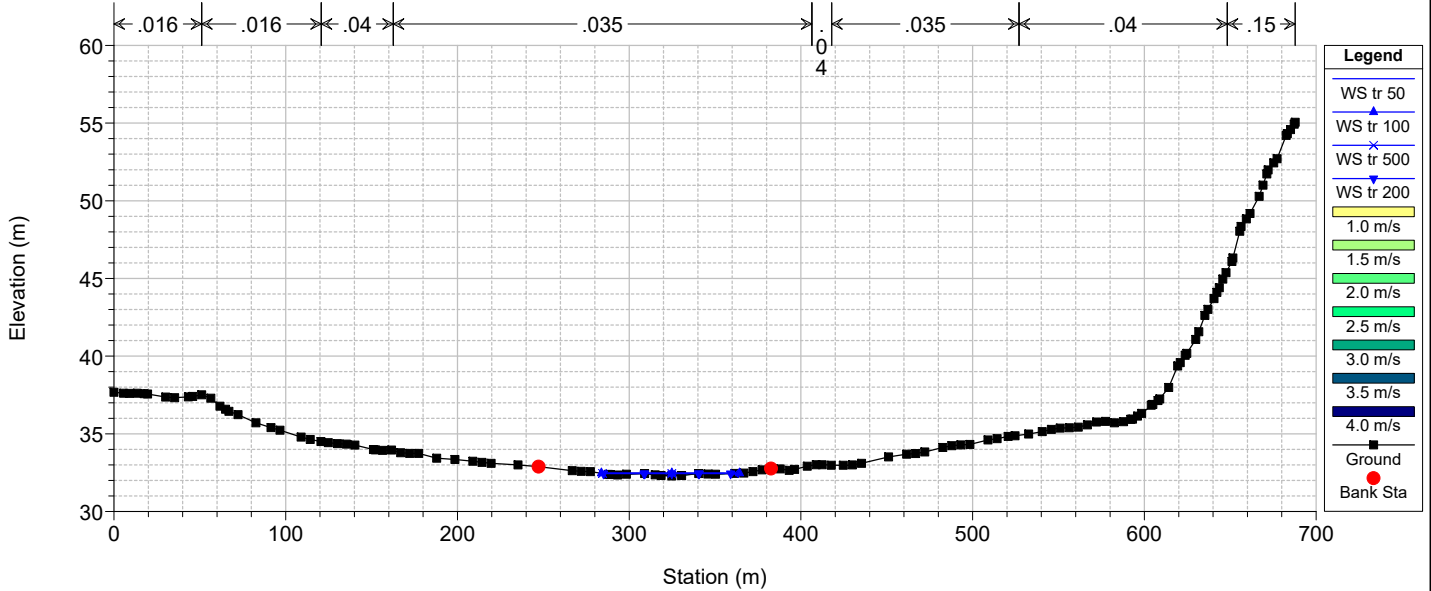
River = Canale su Inc Reach = Asta RS = 1780 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

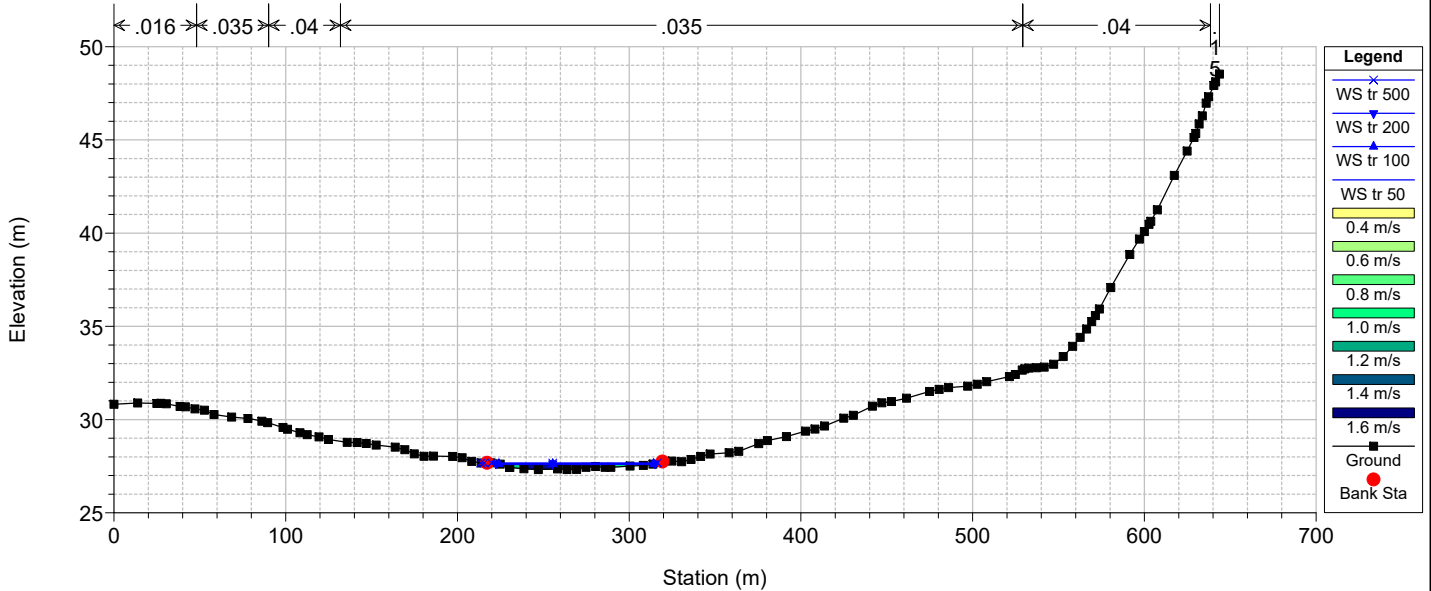
River = Canale su Inc Reach = Asta RS = 1623 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

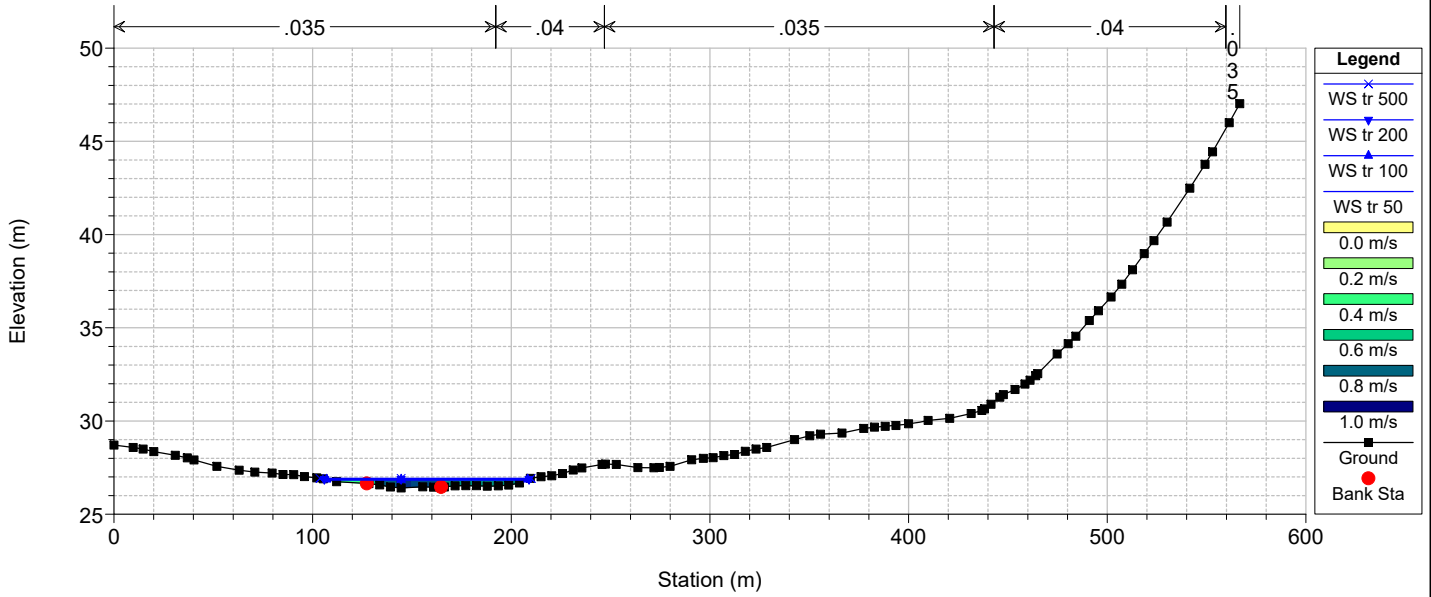
River = Canale su Inc Reach = Asta RS = 1478 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

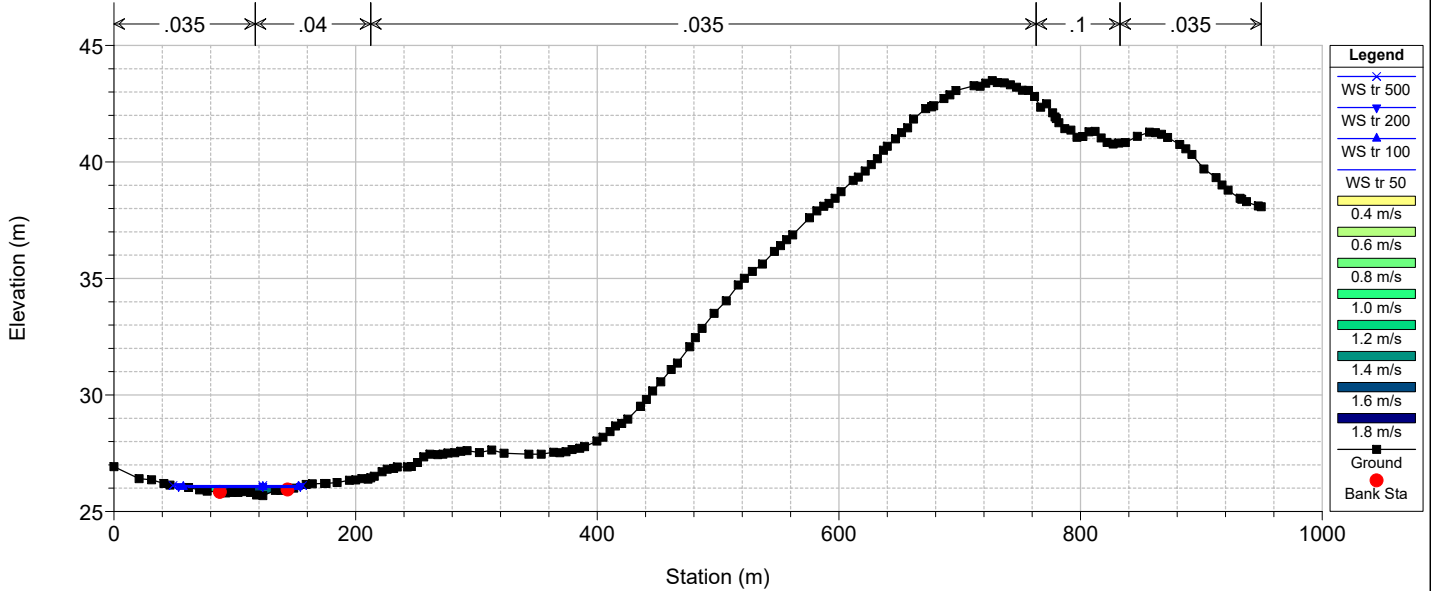
River = Canale su Inc Reach = Asta RS = 1404 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

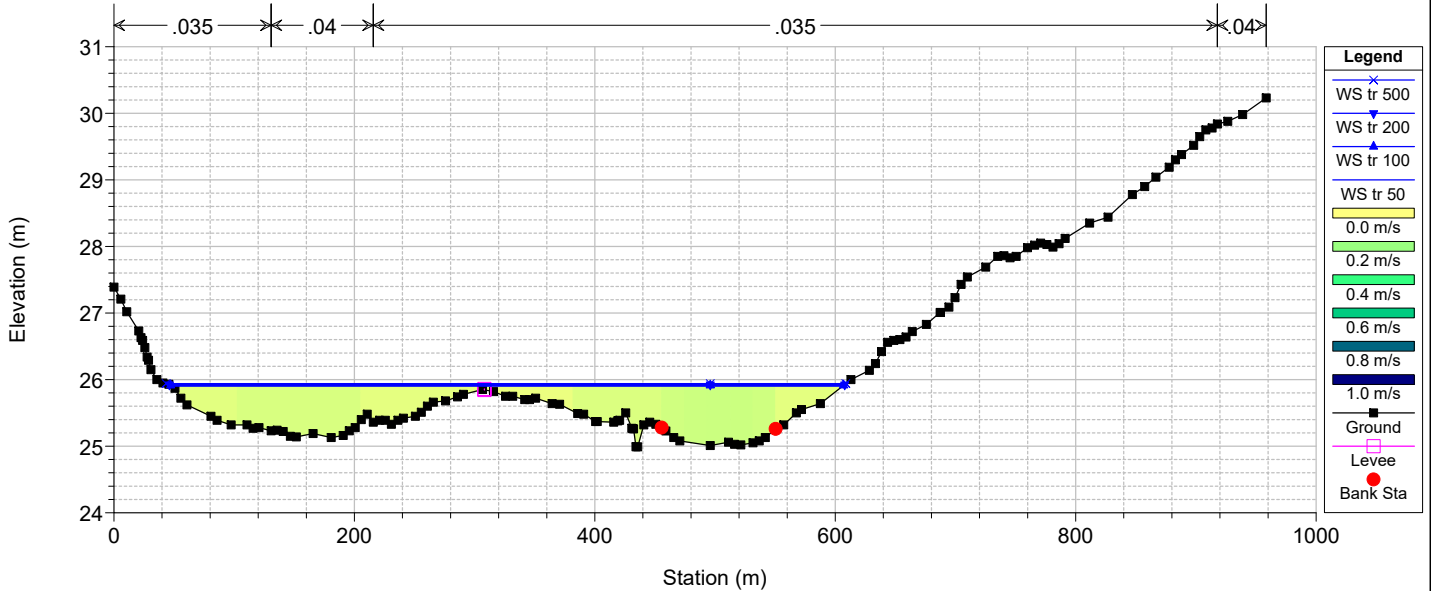
River = Canale su Inc Reach = Asta RS = 1302 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

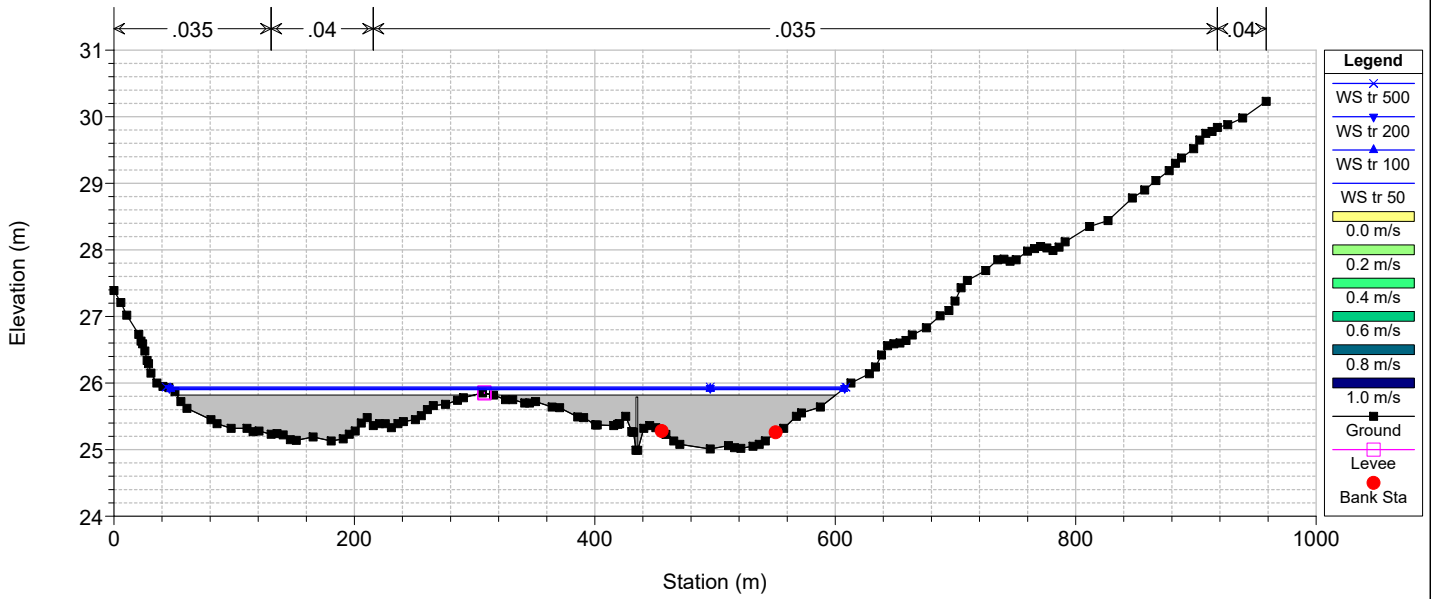
River = Canale su Inc Reach = Asta RS = 1185 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

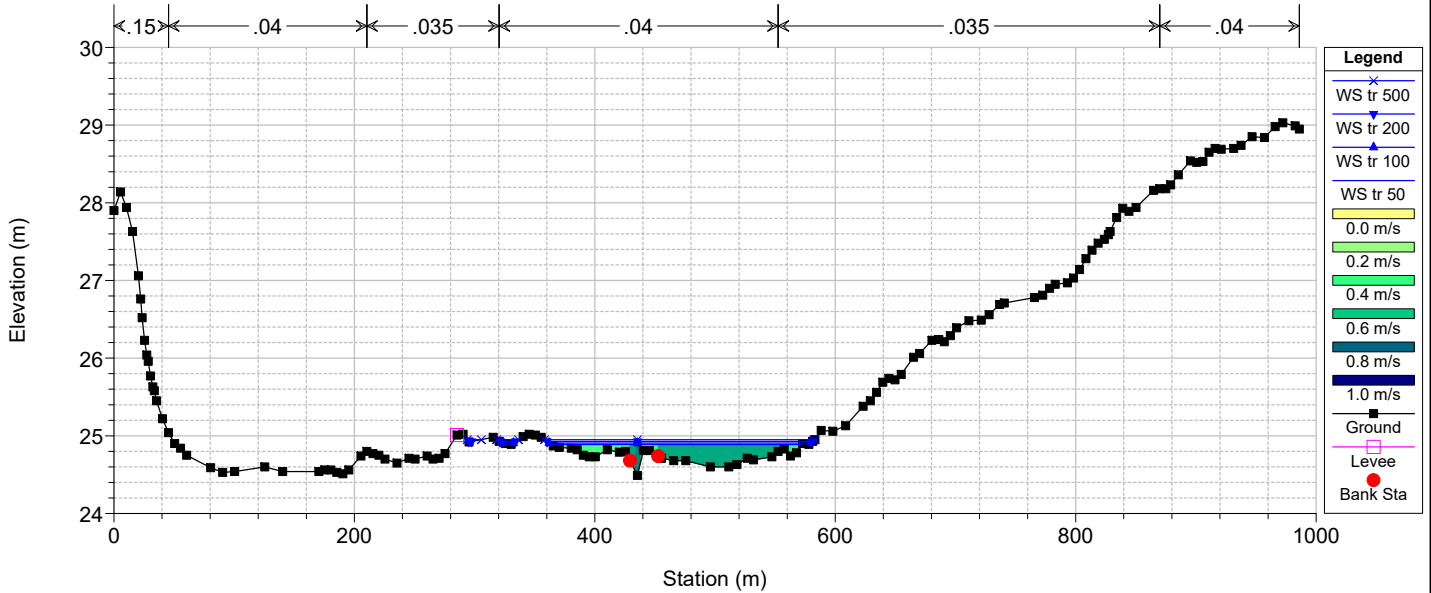
River = Canale su Inc Reach = Asta RS = 1161 Culv COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

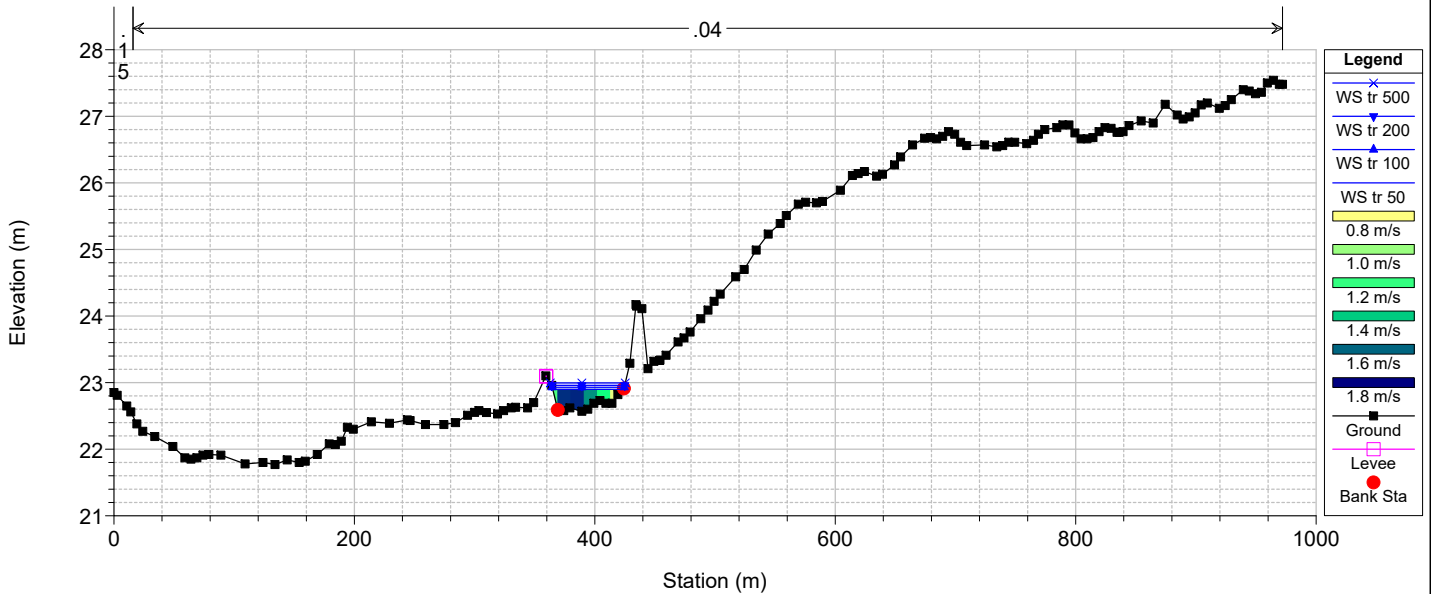
River = Canale su Inc Reach = Asta RS = 1141 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

River = Canale su Inc Reach = Asta RS = 957 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



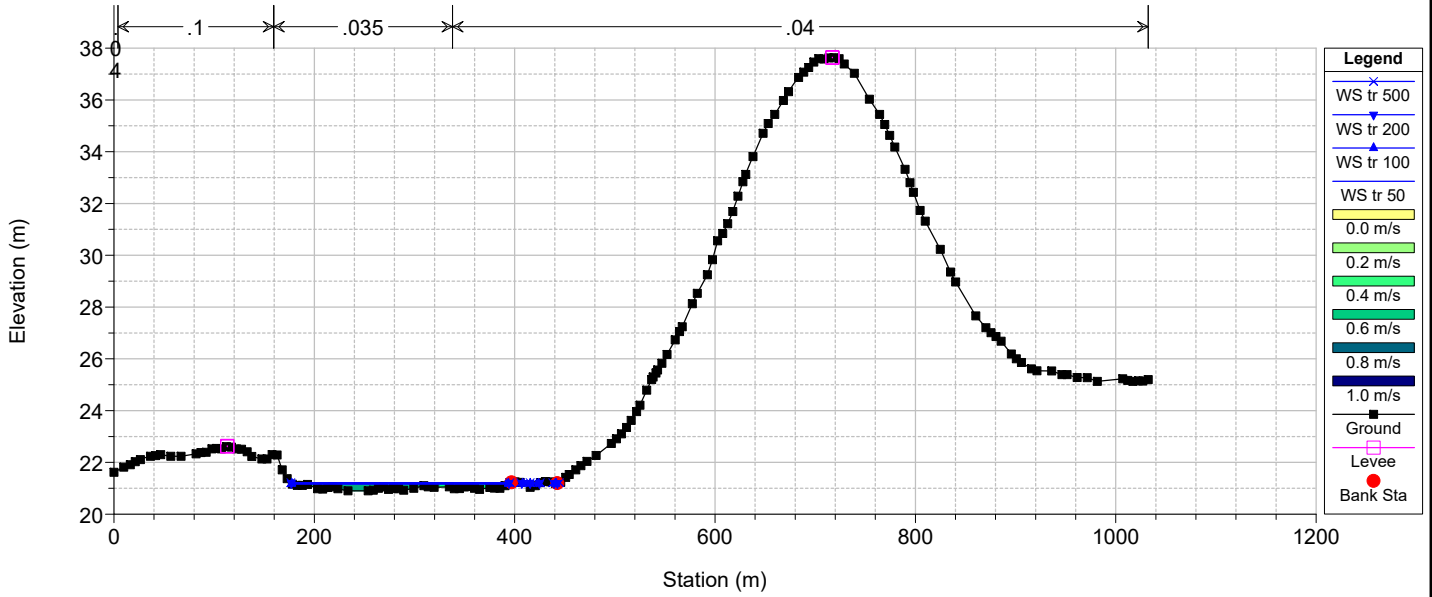
urune26062017

Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE

River = Canale su Inc Reach = Asta RS = 804



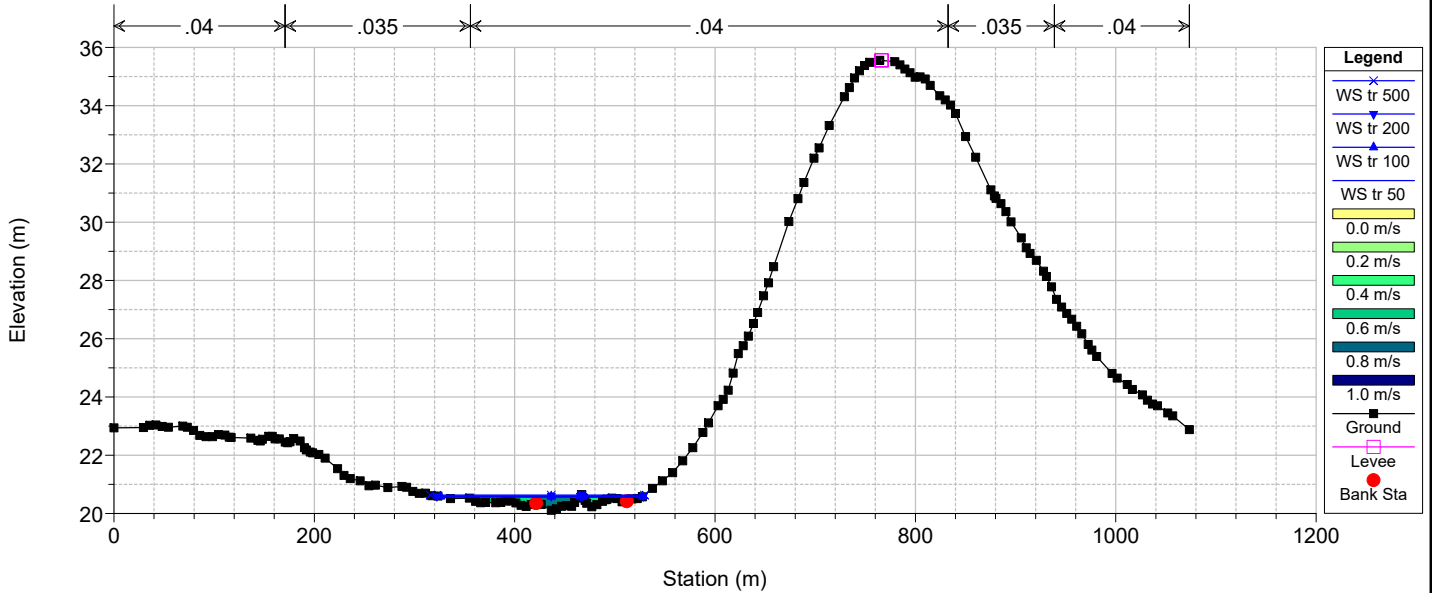
urune26062017

Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE

River = Canale su Inc Reach = Asta RS = 691



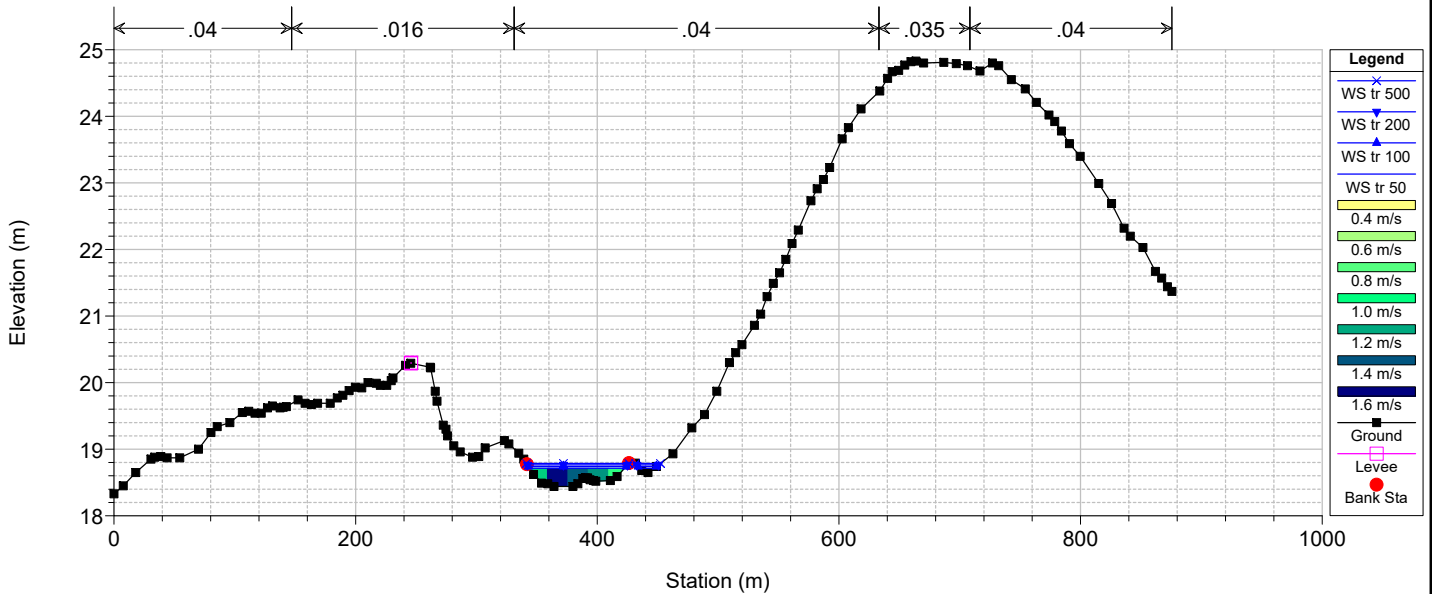
urune26062017

Plan: 04082023 8/4/2023 12:24:39 PM

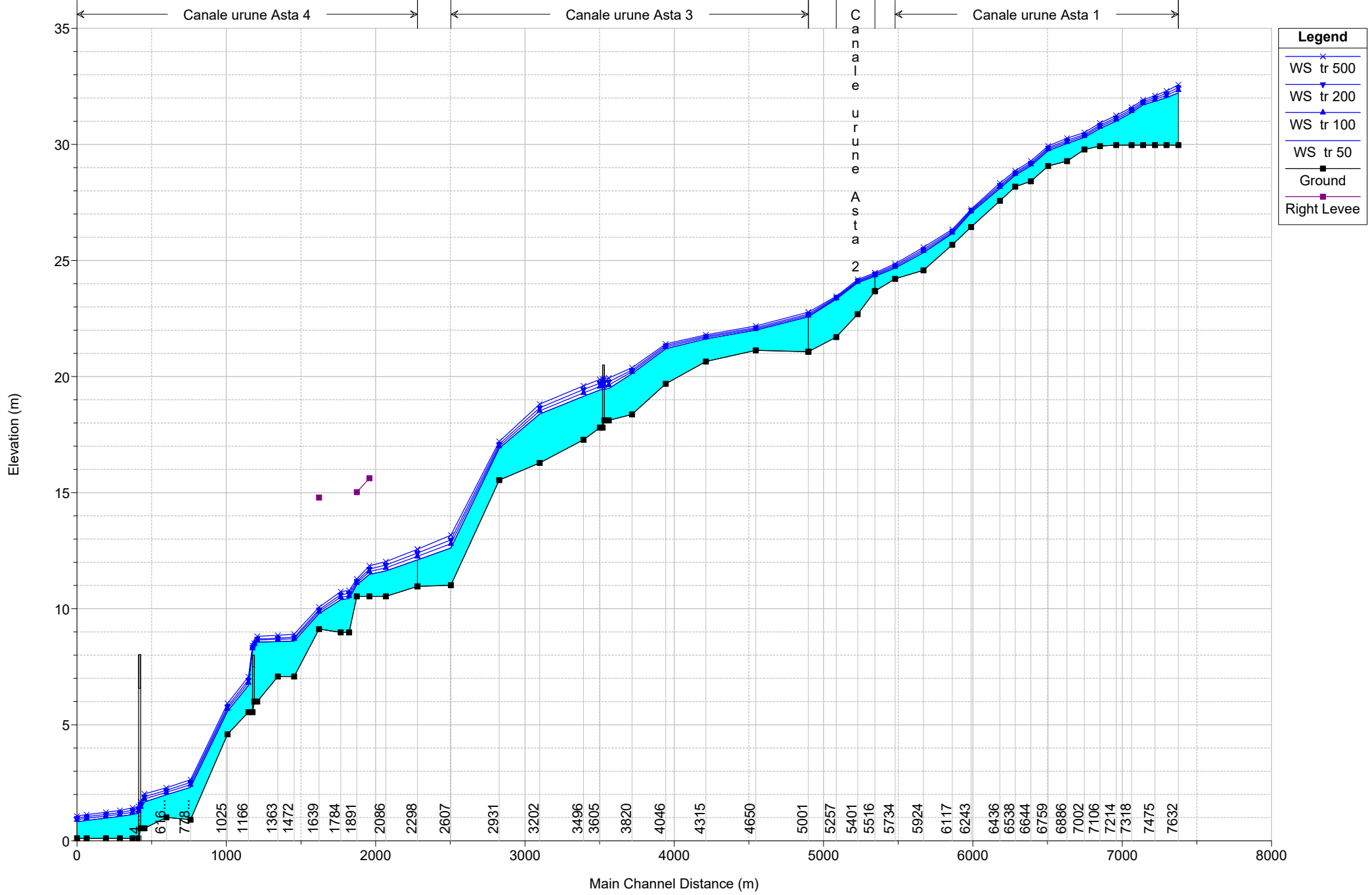
Geom: URUNE_PSFF_04082023

COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE

River = Canale su Inc Reach = Asta RS = 503



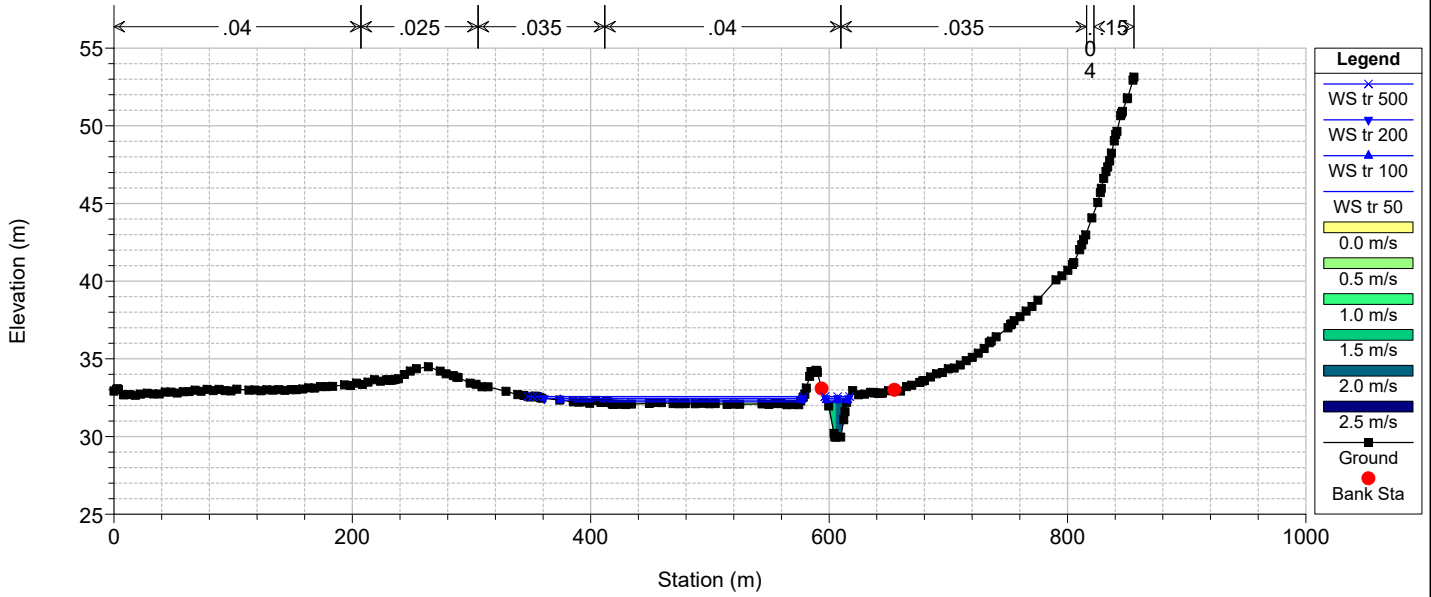
Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta	1780	tr 50	20.30	39.33	39.94	39.94	40.13	0.015718	1.93	11.16	36.20	0.91
Asta	1780	tr 100	24.20	39.33	40.01	40.00	40.19	0.013429	1.94	13.89	47.79	0.85
Asta	1780	tr 200	28.20	39.33	40.10	40.10	40.24	0.009217	1.77	19.71	77.42	0.72
Asta	1780	tr 500	33.70	39.33	40.14	40.14	40.29	0.009315	1.86	23.17	84.54	0.73
Asta	1623	tr 50	20.30	32.29	32.46	32.57	33.06	0.464091	3.41	5.95	81.21	4.02
Asta	1623	tr 100	24.20	32.29	32.46	32.60	33.36	0.729877	4.21	5.75	80.43	5.02
Asta	1623	tr 200	28.20	32.29	32.44	32.62	34.85	2.704857	6.87	4.10	73.29	9.28
Asta	1623	tr 500	33.70	32.29	32.45	32.64	34.89	2.323034	6.92	4.87	76.91	8.78
Asta	1478	tr 50	20.30	27.32	27.60	27.60	27.69	0.021977	1.33	15.30	87.33	1.01
Asta	1478	tr 100	24.20	27.32	27.62	27.62	27.72	0.021237	1.39	17.39	90.01	1.01
Asta	1478	tr 200	28.20	27.32	27.64	27.64	27.75	0.020662	1.45	19.45	92.68	1.01
Asta	1478	tr 500	33.70	27.32	27.67	27.67	27.79	0.019420	1.50	22.40	98.26	1.00
Asta	1404	tr 50	20.30	26.41	26.83	26.70	26.86	0.003485	0.83	27.25	99.24	0.45
Asta	1404	tr 100	24.20	26.41	26.86	26.73	26.89	0.003592	0.89	30.32	101.20	0.46
Asta	1404	tr 200	28.20	26.41	26.89	26.75	26.93	0.003698	0.95	33.24	103.02	0.48
Asta	1404	tr 500	33.70	26.41	26.93	26.78	26.97	0.003798	1.02	37.14	106.26	0.49
Asta	1302	tr 50	20.30	25.68	26.03	26.03	26.13	0.021843	1.42	15.42	89.28	0.98
Asta	1302	tr 100	24.20	25.68	26.06	26.06	26.16	0.020255	1.48	17.90	95.15	0.96
Asta	1302	tr 200	28.20	25.68	26.08	26.08	26.19	0.019109	1.53	20.35	100.63	0.95
Asta	1302	tr 500	33.70	25.68	26.11	26.11	26.23	0.018263	1.61	23.48	107.19	0.95
Asta	1185	tr 50	20.30	25.01	25.90	25.24	25.90	0.000015	0.10	276.76	558.22	0.03
Asta	1185	tr 100	24.20	25.01	25.91	25.26	25.91	0.000021	0.11	282.47	559.79	0.04
Asta	1185	tr 200	28.20	25.01	25.93	25.28	25.93	0.000026	0.13	289.34	561.68	0.05
Asta	1185	tr 500	33.70	25.01	25.94	25.31	25.94	0.000034	0.15	297.20	565.33	0.05
Asta	1161		Culvert									
Asta	1141	tr 50	20.30	24.49	24.89	24.82	24.91	0.005460	0.59	33.94	208.57	0.44
Asta	1141	tr 100	24.20	24.49	24.91	24.83	24.93	0.005501	0.64	38.32	225.48	0.45
Asta	1141	tr 200	28.20	24.49	24.93	24.84	24.95	0.005504	0.68	42.60	235.99	0.46
Asta	1141	tr 500	33.70	24.49	24.95	24.87	24.98	0.005441	0.72	48.56	254.85	0.47
Asta	957	tr 50	20.30	22.57	22.90	22.90	23.02	0.025485	1.52	13.49	58.65	1.00
Asta	957	tr 100	24.20	22.57	22.93	22.93	23.06	0.024336	1.60	15.29	59.87	1.00
Asta	957	tr 200	28.20	22.57	22.96	22.96	23.10	0.023318	1.68	17.02	60.64	0.99
Asta	957	tr 500	33.70	22.57	22.99	22.99	23.15	0.022791	1.79	19.19	62.35	1.00
Asta	804	tr 50	20.30	21.04	21.16	21.10	21.18	0.005756	0.31	34.02	229.26	0.39
Asta	804	tr 100	24.20	21.04	21.18	21.12	21.20	0.005633	0.34	38.25	232.43	0.39
Asta	804	tr 200	28.20	21.04	21.20	21.13	21.22	0.005594	0.33	42.27	238.15	0.39
Asta	804	tr 500	33.70	21.04	21.22	21.14	21.25	0.005652	0.36	47.23	245.02	0.40
Asta	691	tr 50	20.30	20.11	20.56	20.47	20.58	0.004900	0.64	33.89	193.90	0.44
Asta	691	tr 100	24.20	20.11	20.58	20.48	20.60	0.004975	0.68	38.05	198.95	0.44
Asta	691	tr 200	28.20	20.11	20.60	20.50	20.63	0.004991	0.72	42.20	204.32	0.45
Asta	691	tr 500	33.70	20.11	20.63	20.53	20.66	0.004824	0.75	48.27	212.98	0.45
Asta	503	tr 50	20.30	18.44	18.71	18.71	18.80	0.025261	1.33	15.61	90.57	0.96
Asta	503	tr 100	24.20	18.44	18.74	18.74	18.84	0.023973	1.38	18.02	96.00	0.96
Asta	503	tr 200	28.20	18.44	18.76	18.76	18.87	0.023461	1.44	20.26	100.68	0.96
Asta	503	tr 500	33.70	18.44	18.79	18.79	18.91	0.024877	1.56	22.51	105.15	1.00



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

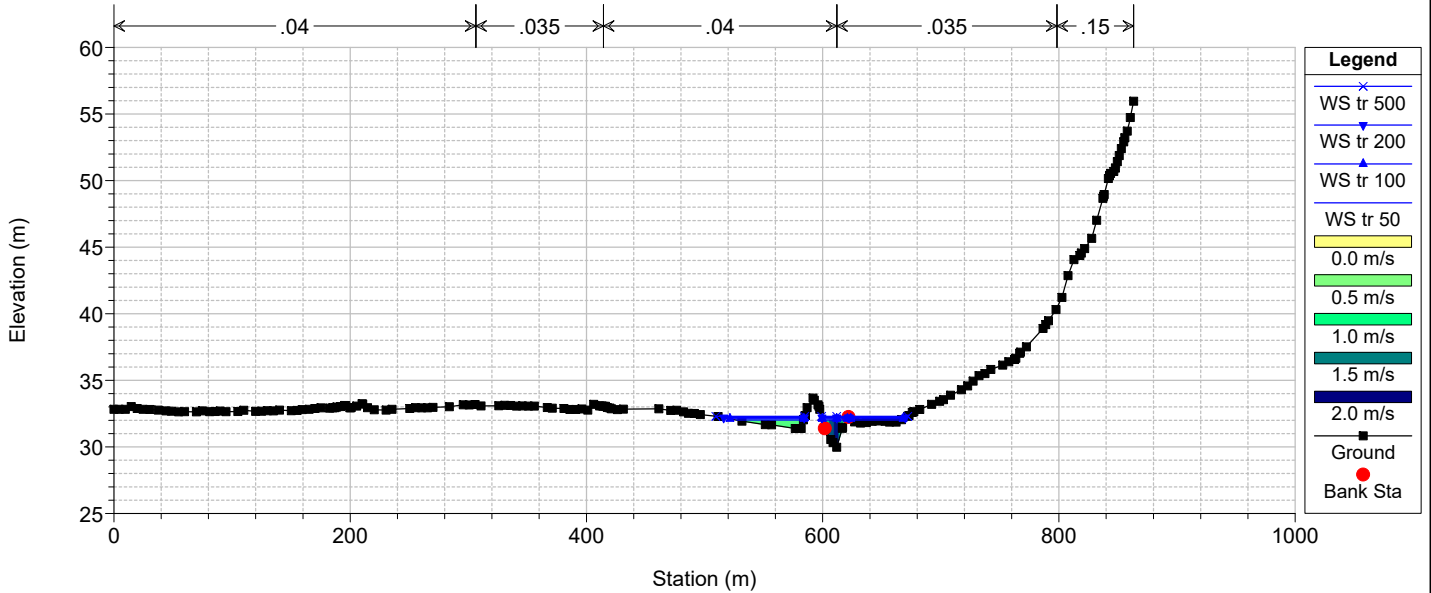
River = Canale urune Reach = Asta 1 RS = 7632 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

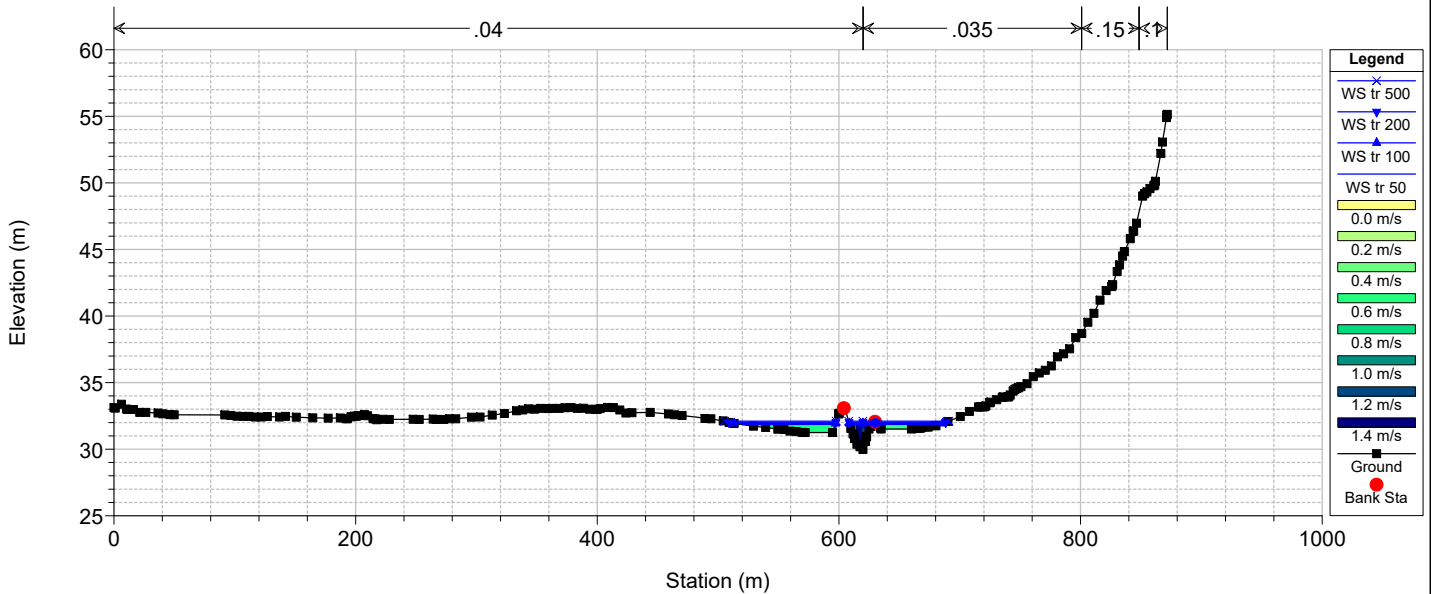
River = Canale urune Reach = Asta 1 RS = 7552 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

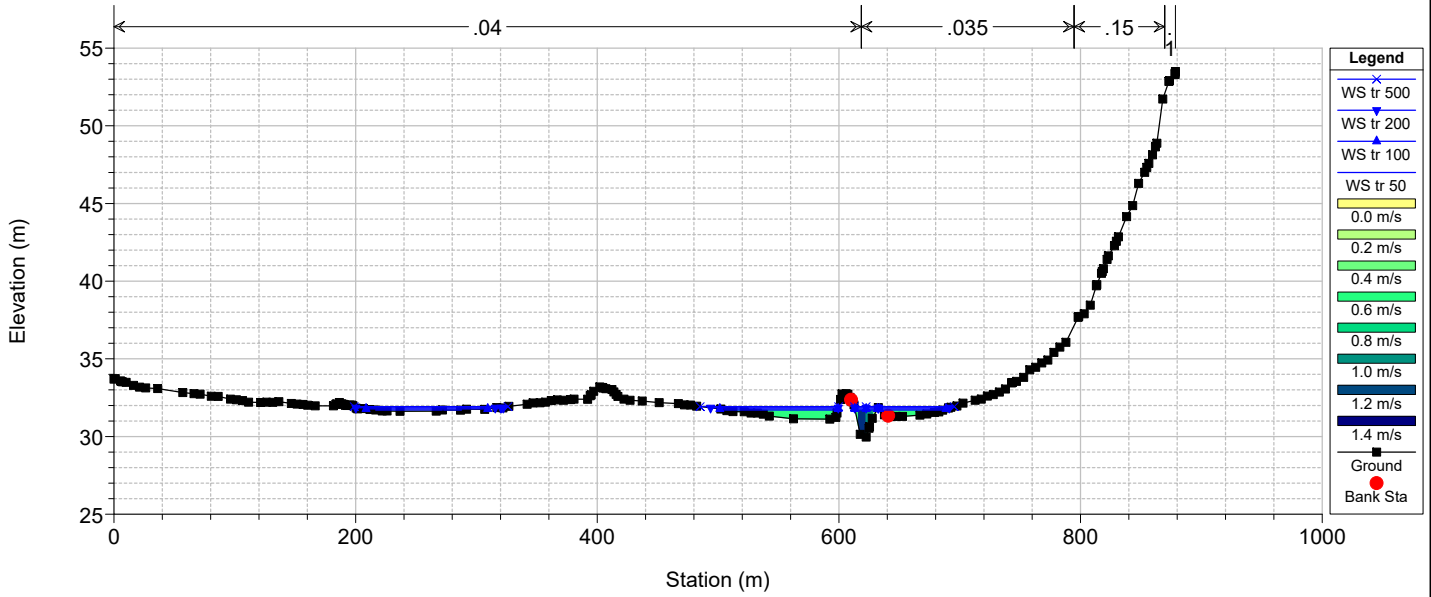
River = Canale urune Reach = Asta 1 RS = 7475 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

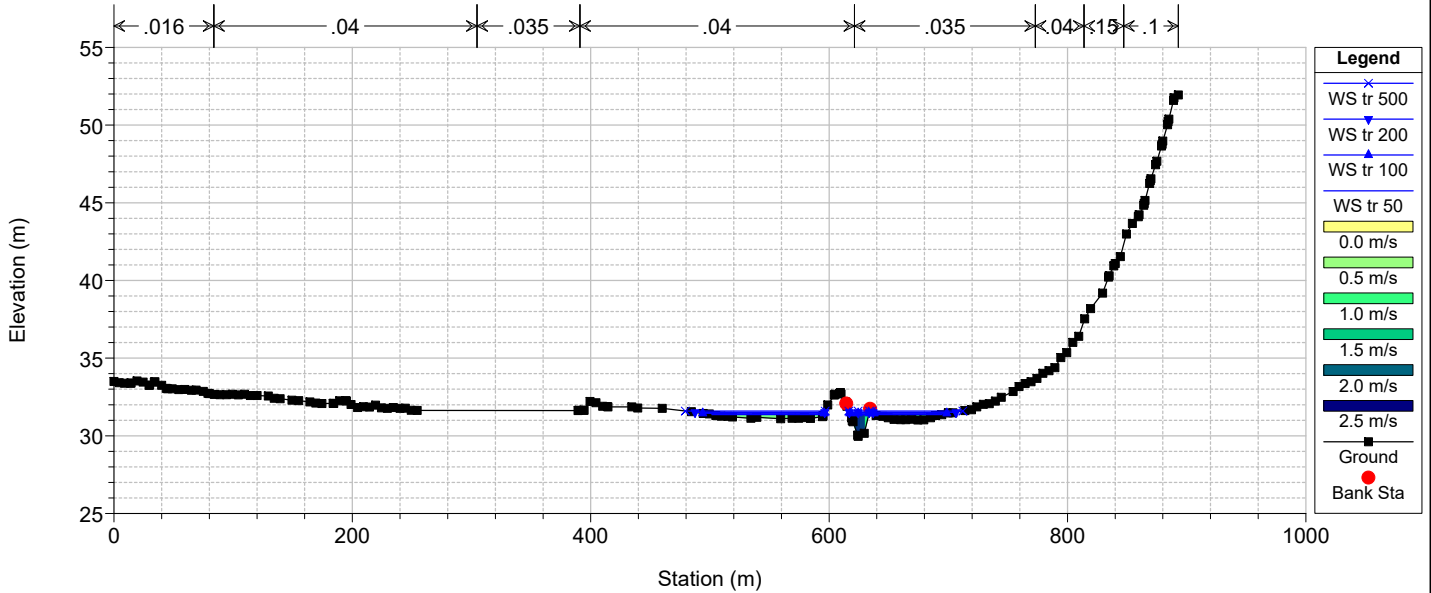
River = Canale urune Reach = Asta 1 RS = 7395 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

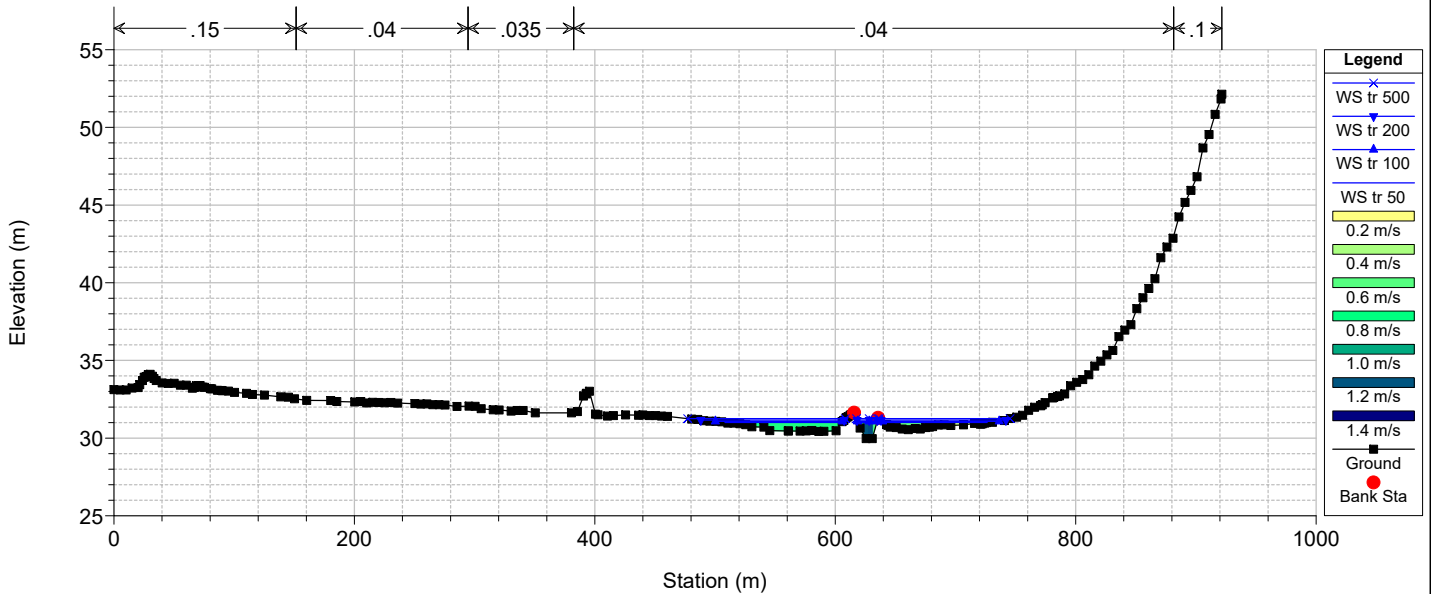
River = Canale urune Reach = Asta 1 RS = 7318 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

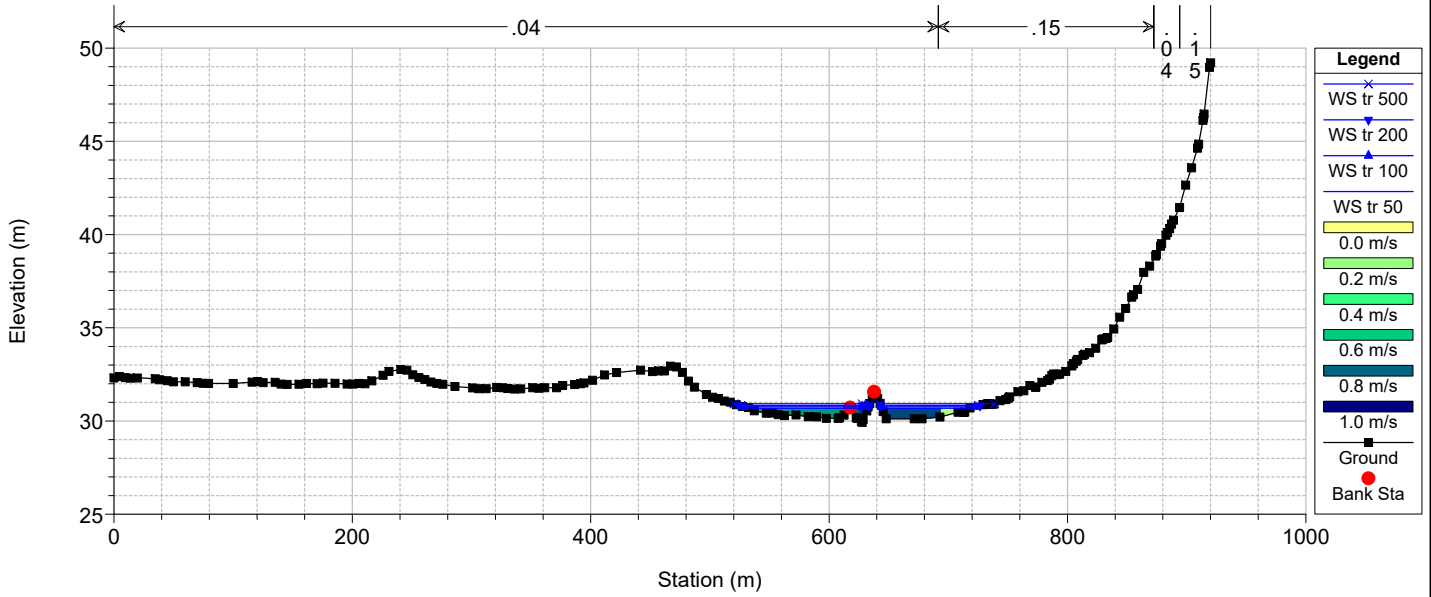
River = Canale urune Reach = Asta 1 RS = 7214 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

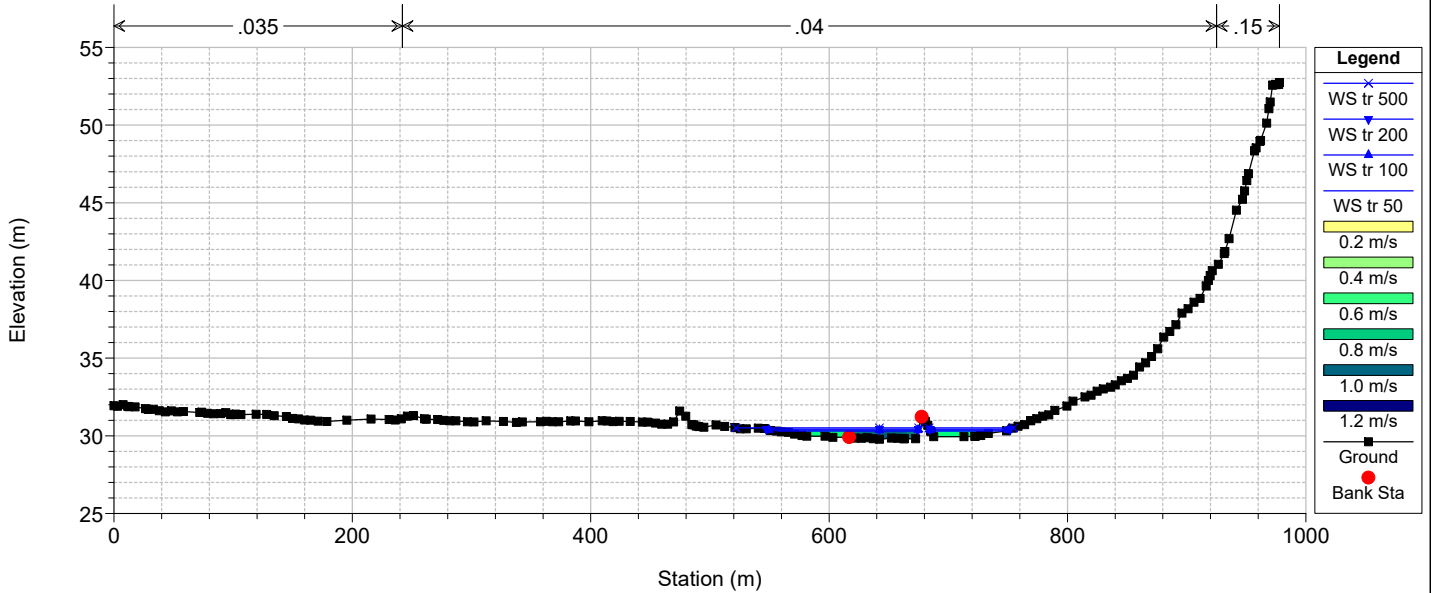
River = Canale urune Reach = Asta 1 RS = 7106 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

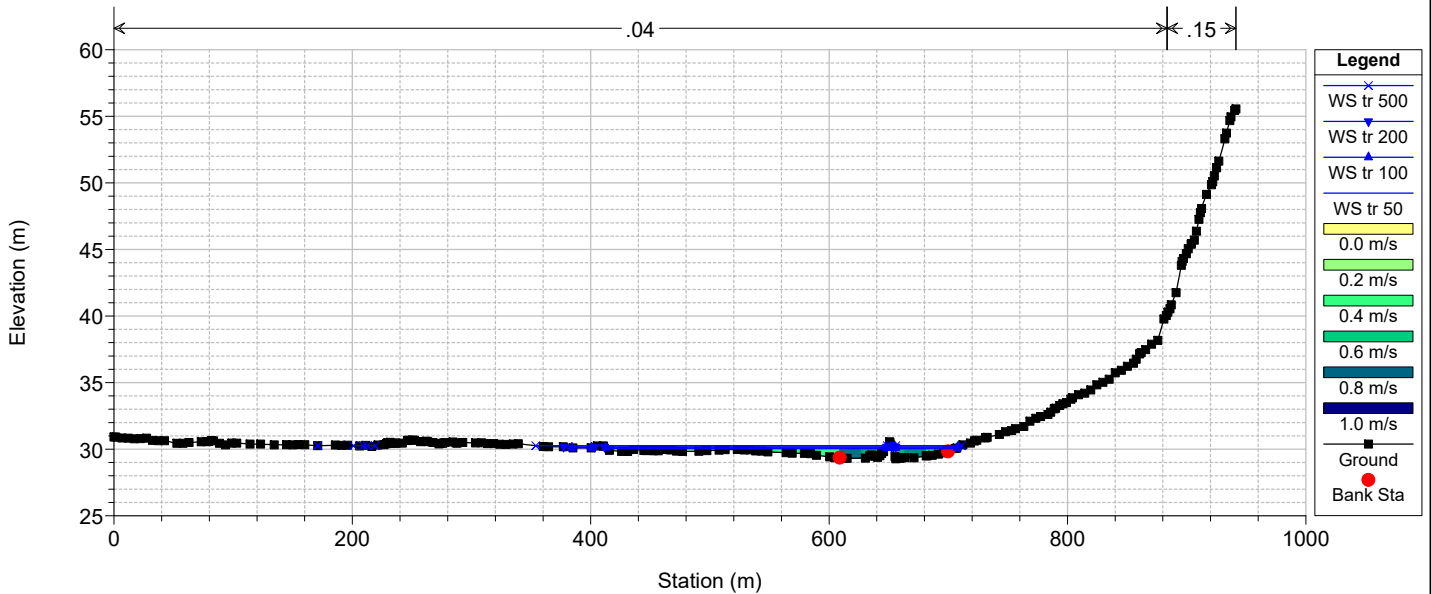
River = Canale urune Reach = Asta 1 RS = 7002 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

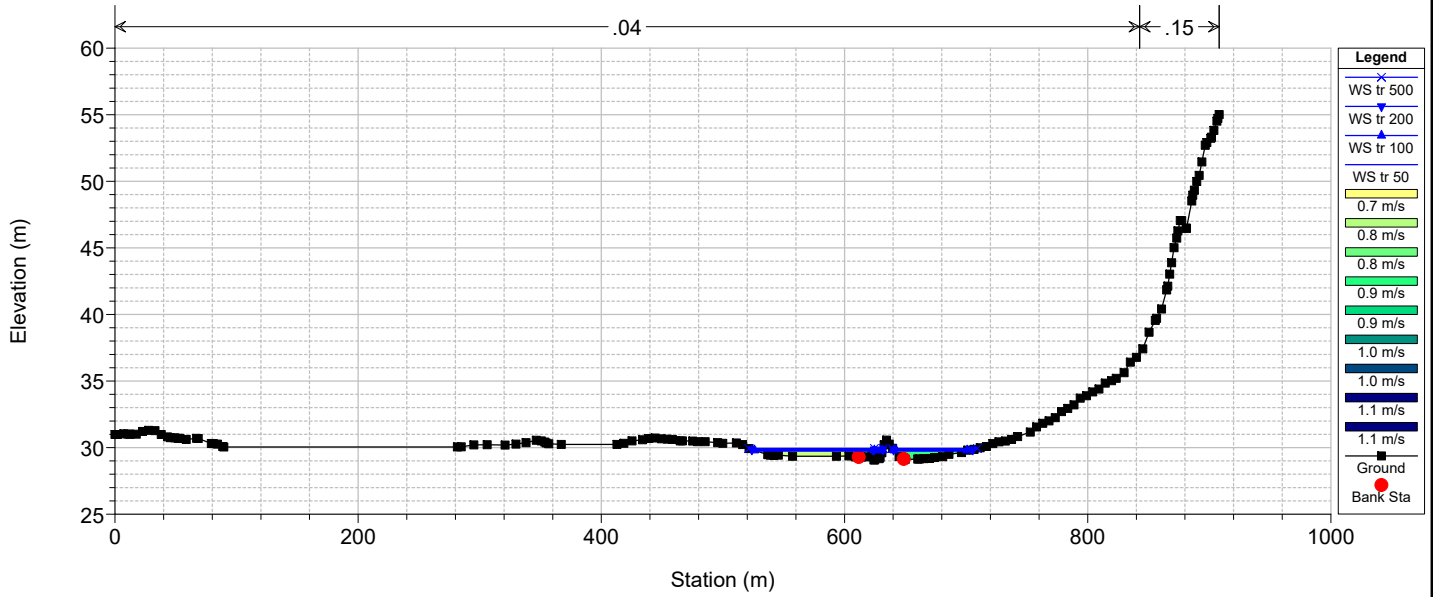
River = Canale urune Reach = Asta 1 RS = 6886 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

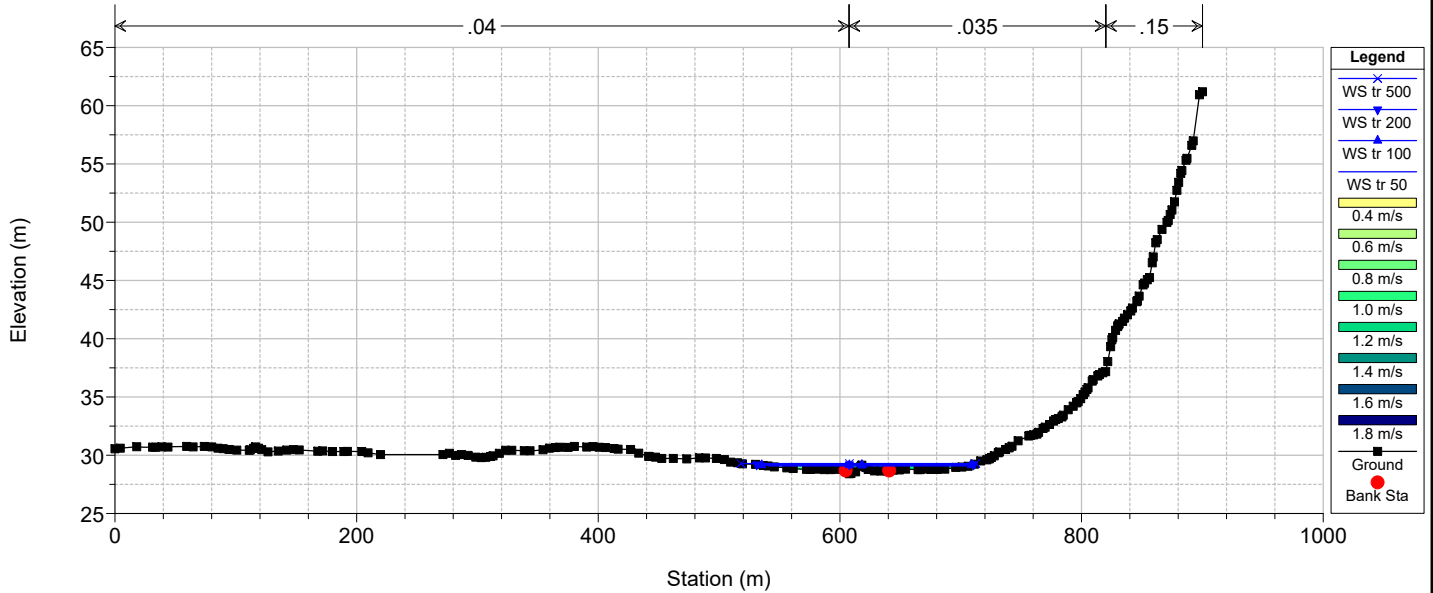
River = Canale urune Reach = Asta 1 RS = 6759 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

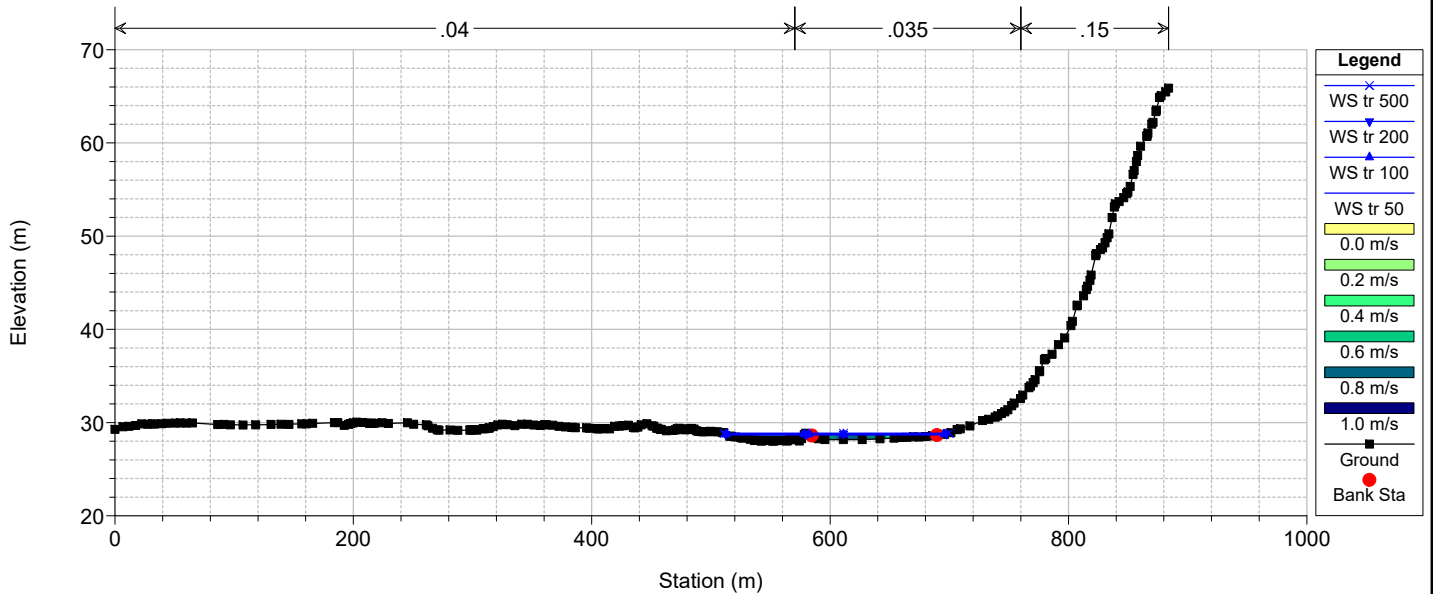
River = Canale urune Reach = Asta 1 RS = 6644 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

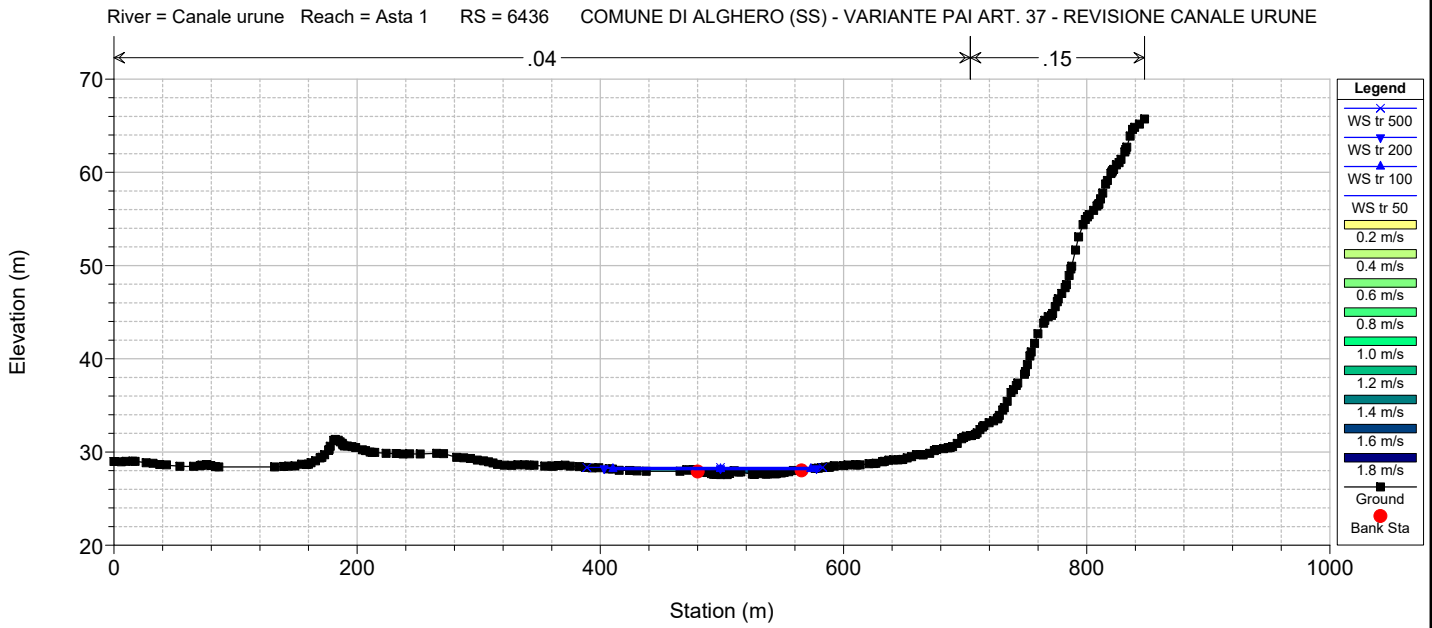
River = Canale urune Reach = Asta 1 RS = 6538 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

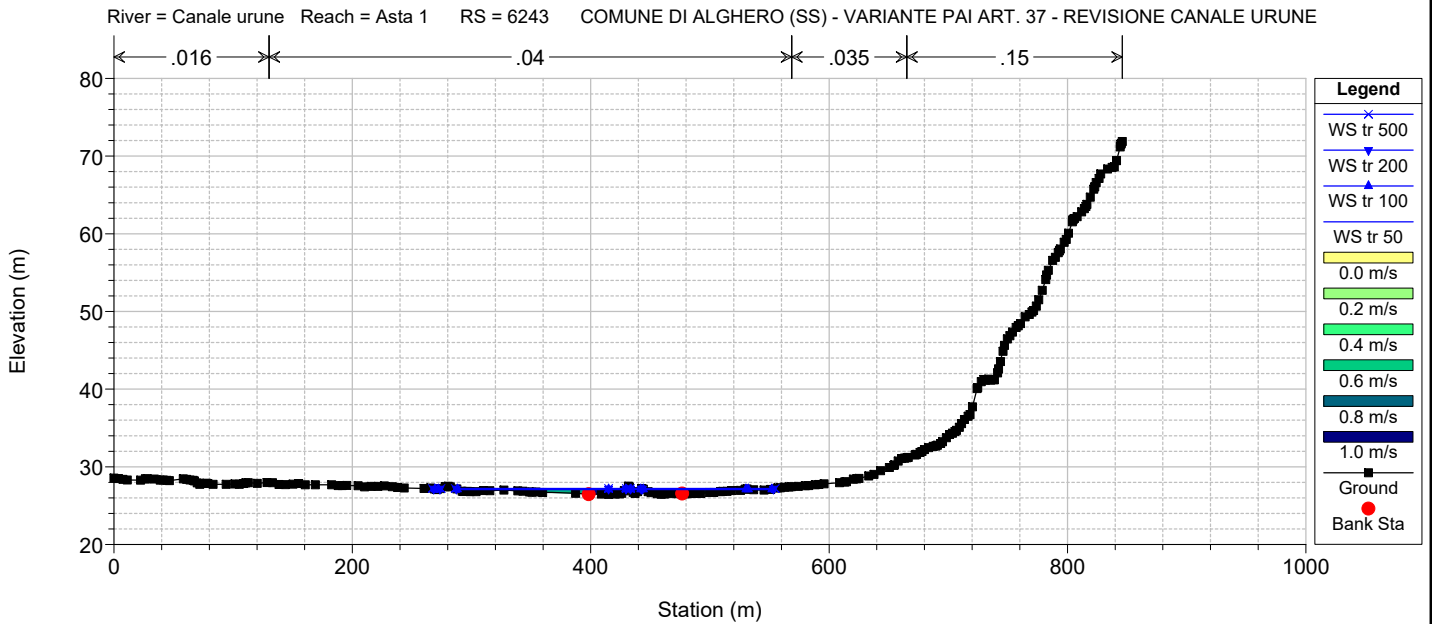
River = Canale urune Reach = Asta 1 RS = 6436 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

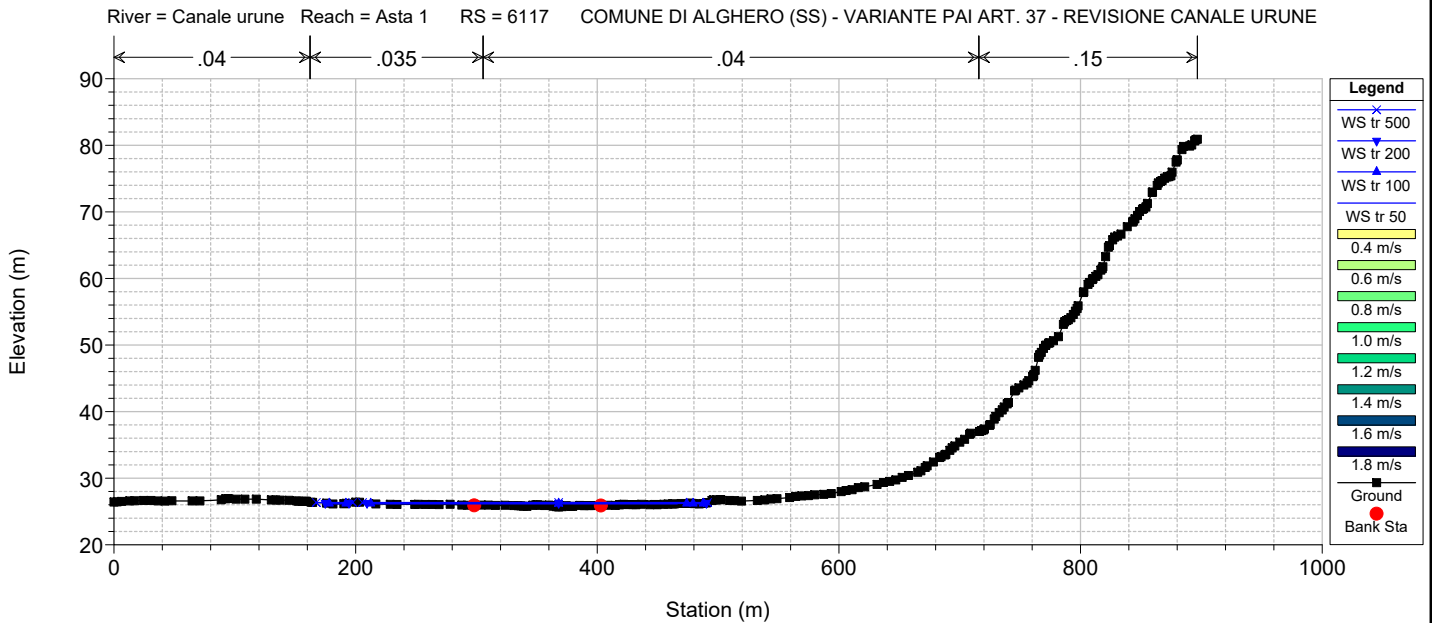
River = Canale urune Reach = Asta 1 RS = 6243 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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Geom: URUNE_PSFF_04082023

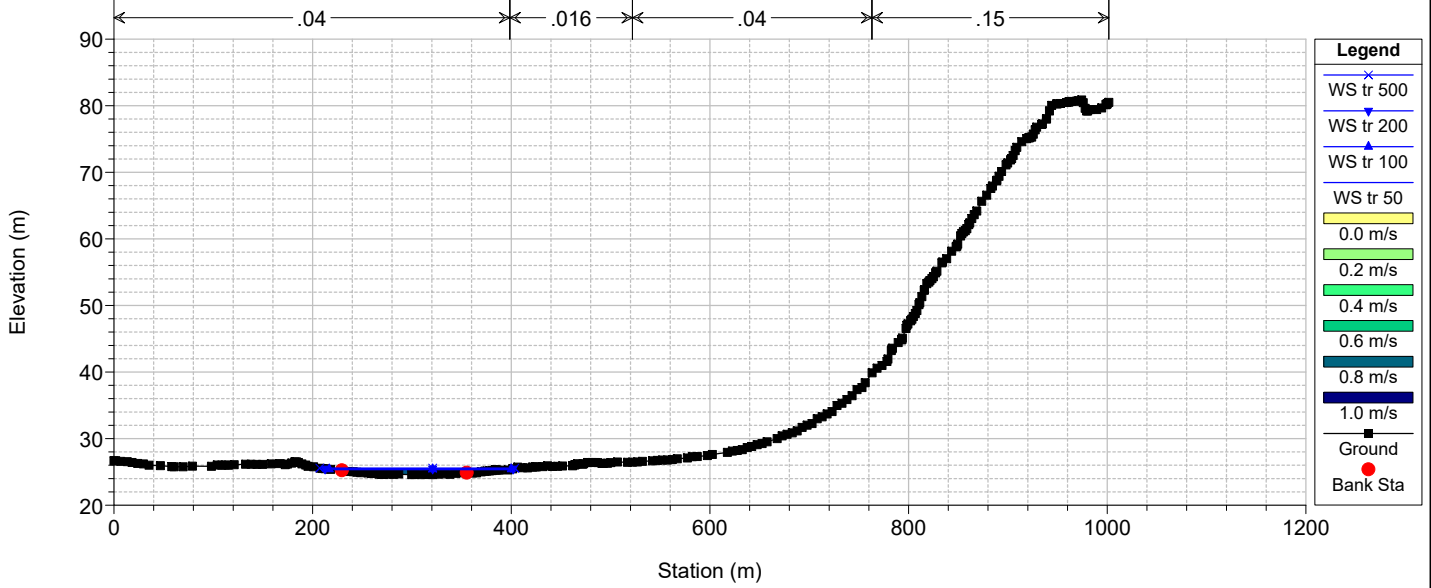
River = Canale urune Reach = Asta 1 RS = 6117 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

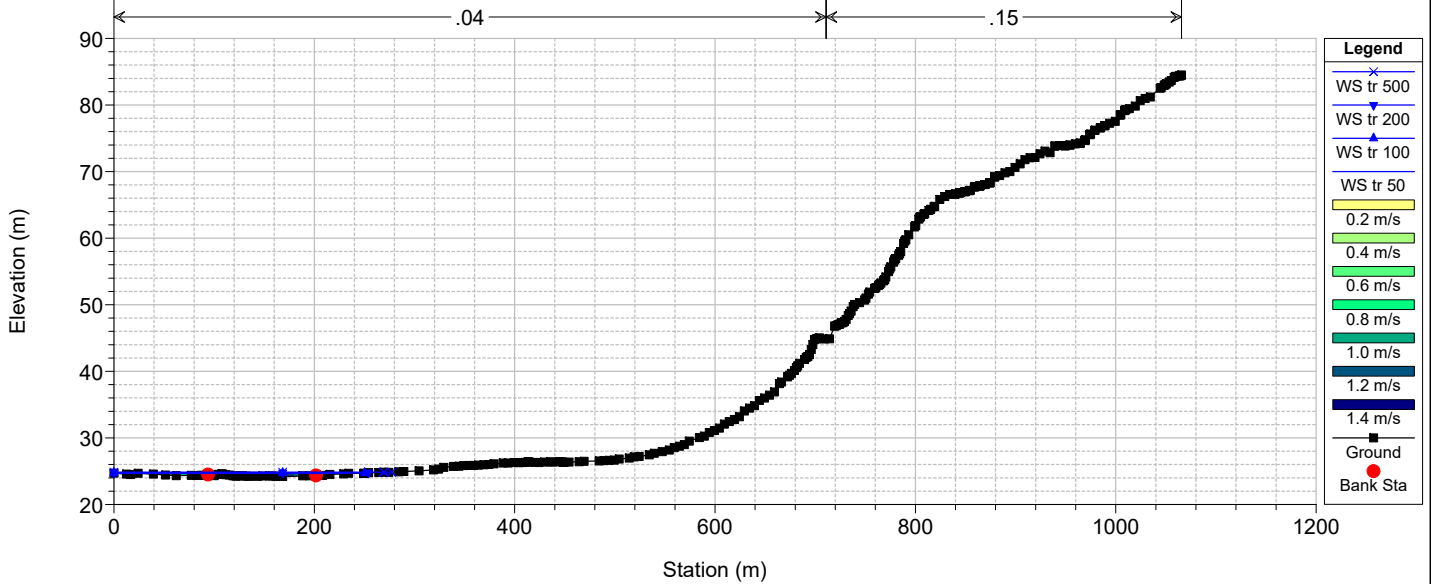
River = Canale urune Reach = Asta 1 RS = 5924 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

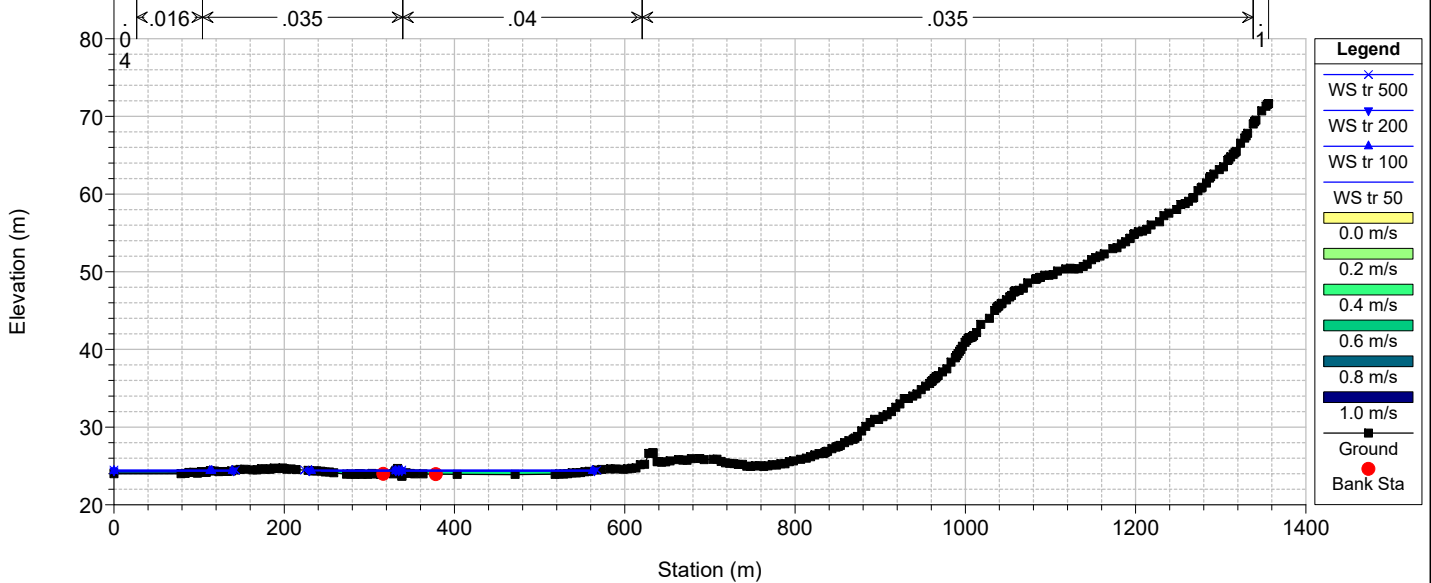
River = Canale urune Reach = Asta 1 RS = 5734 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

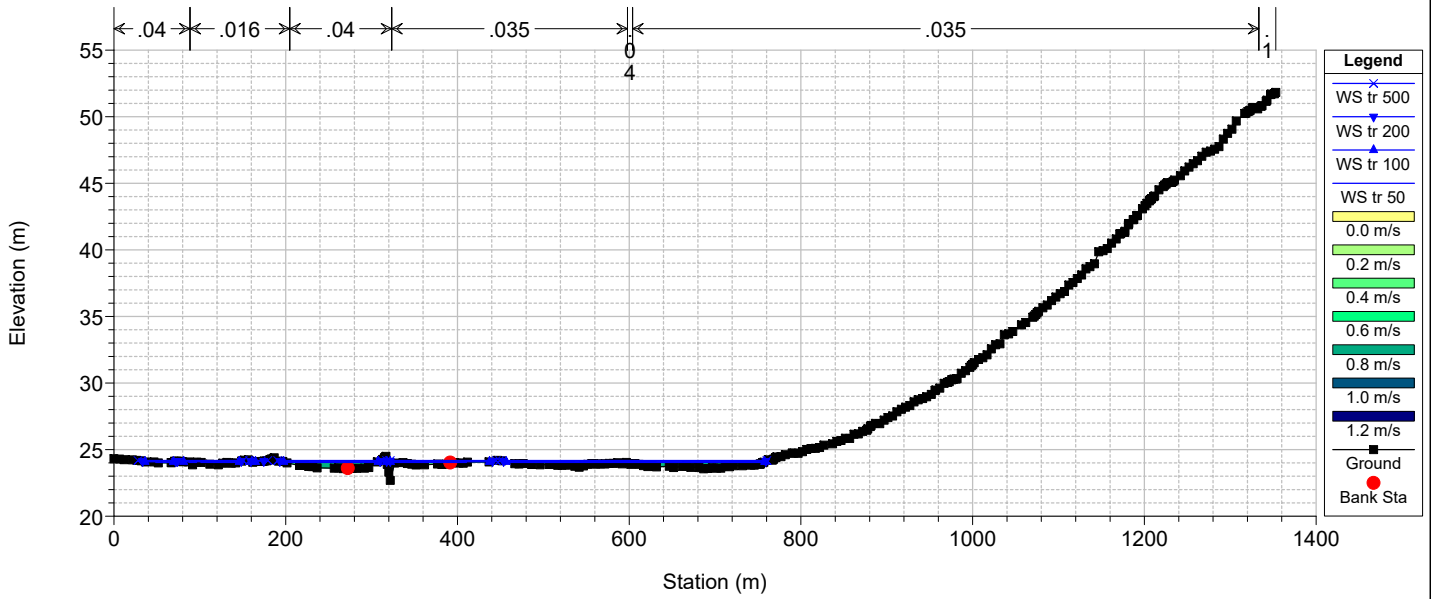
River = Canale urune Reach = Asta 2 RS = 5516 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

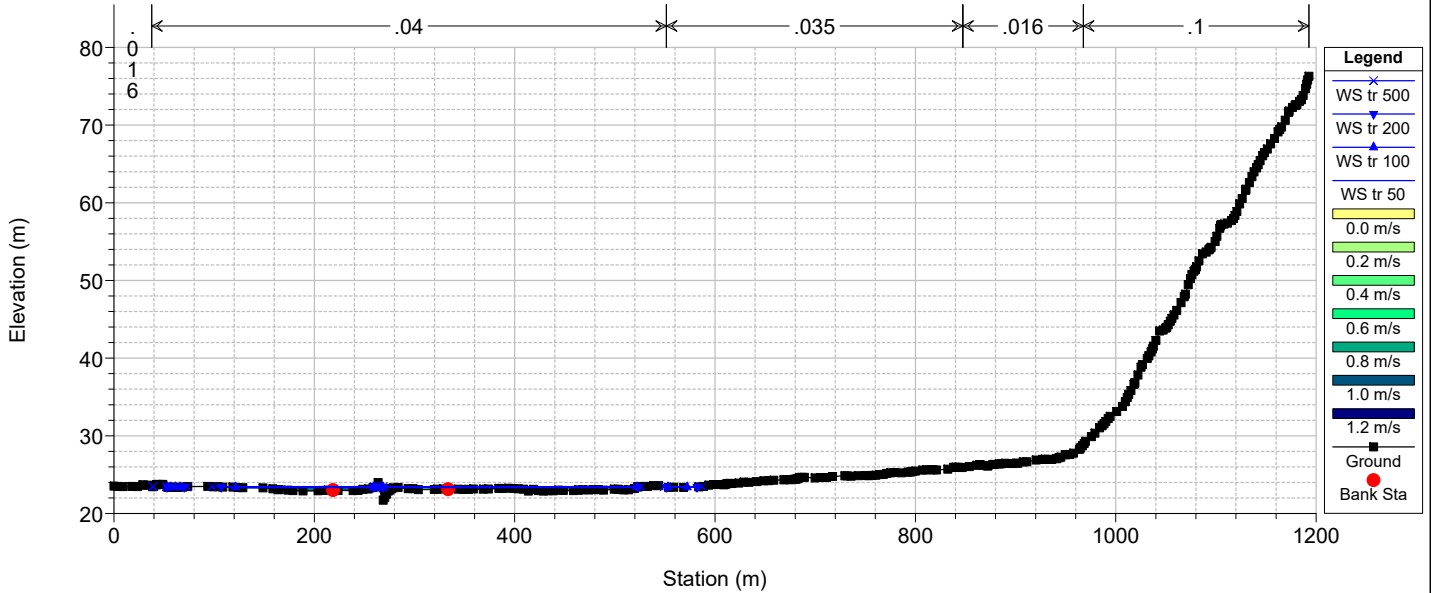
River = Canale urune Reach = Asta 2 RS = 5401 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

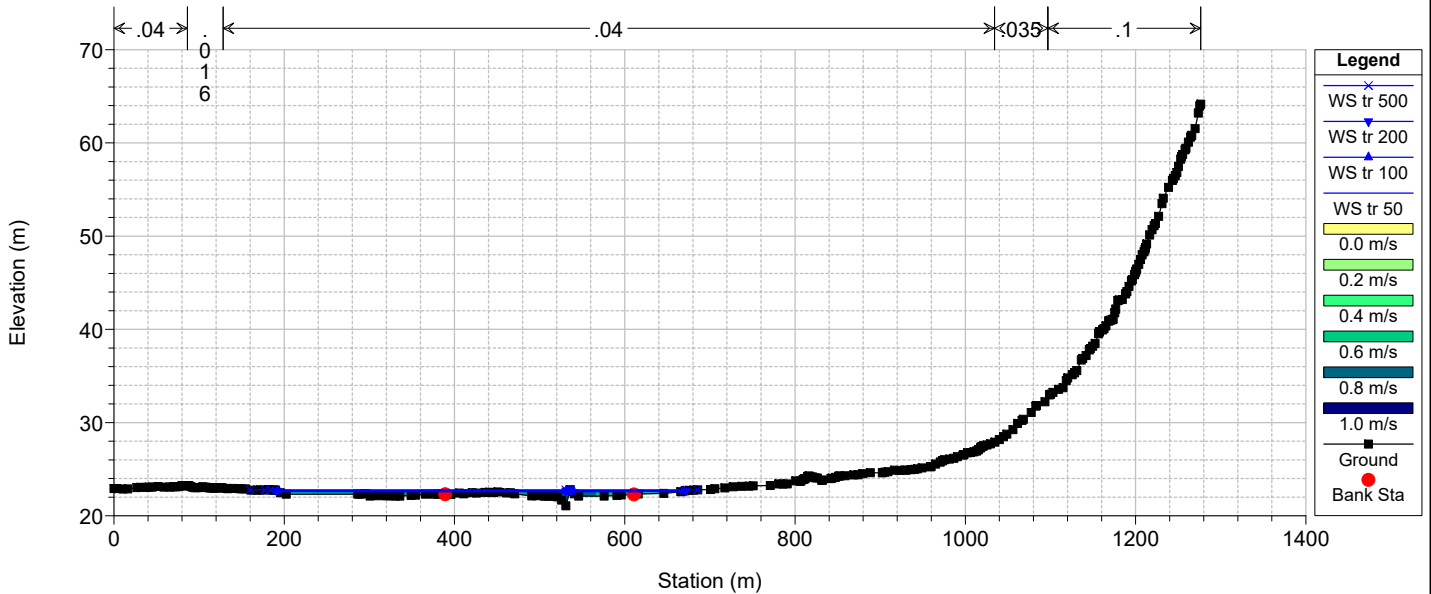
River = Canale urune Reach = Asta 2 RS = 5257 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

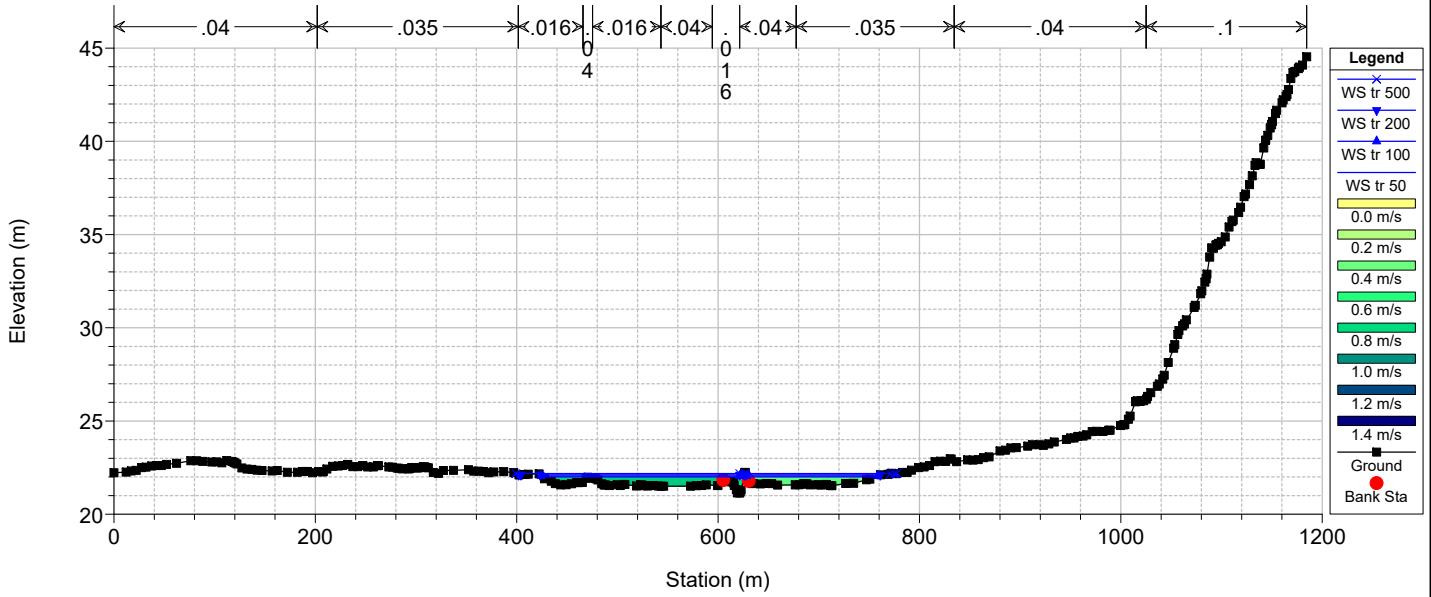
River = Canale urune Reach = Asta 3 RS = 5001 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

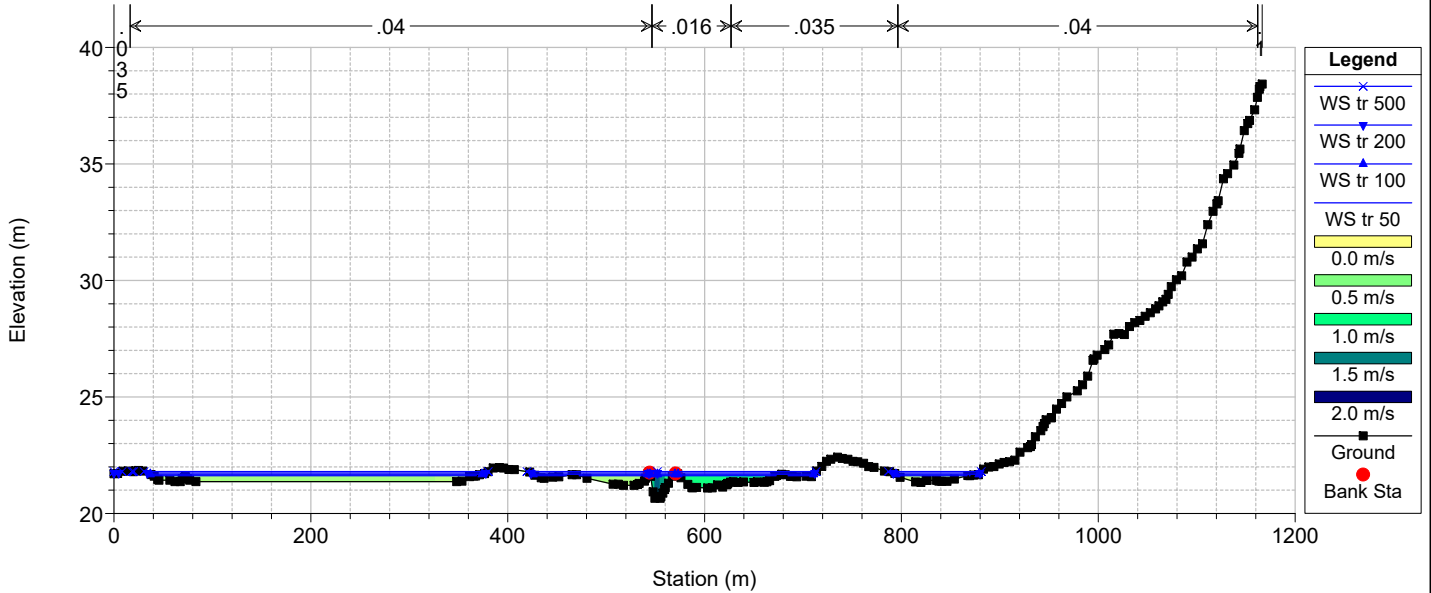
River = Canale urune Reach = Asta 3 RS = 4650 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

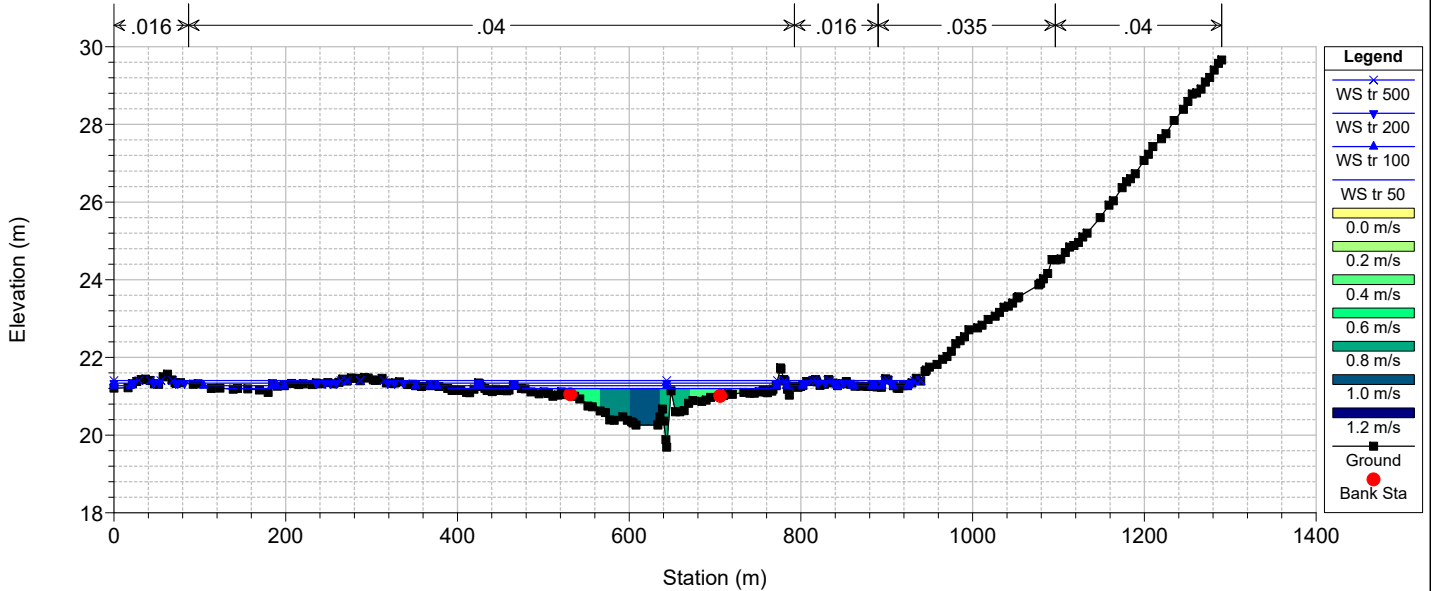
River = Canale urune Reach = Asta 3 RS = 4315 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

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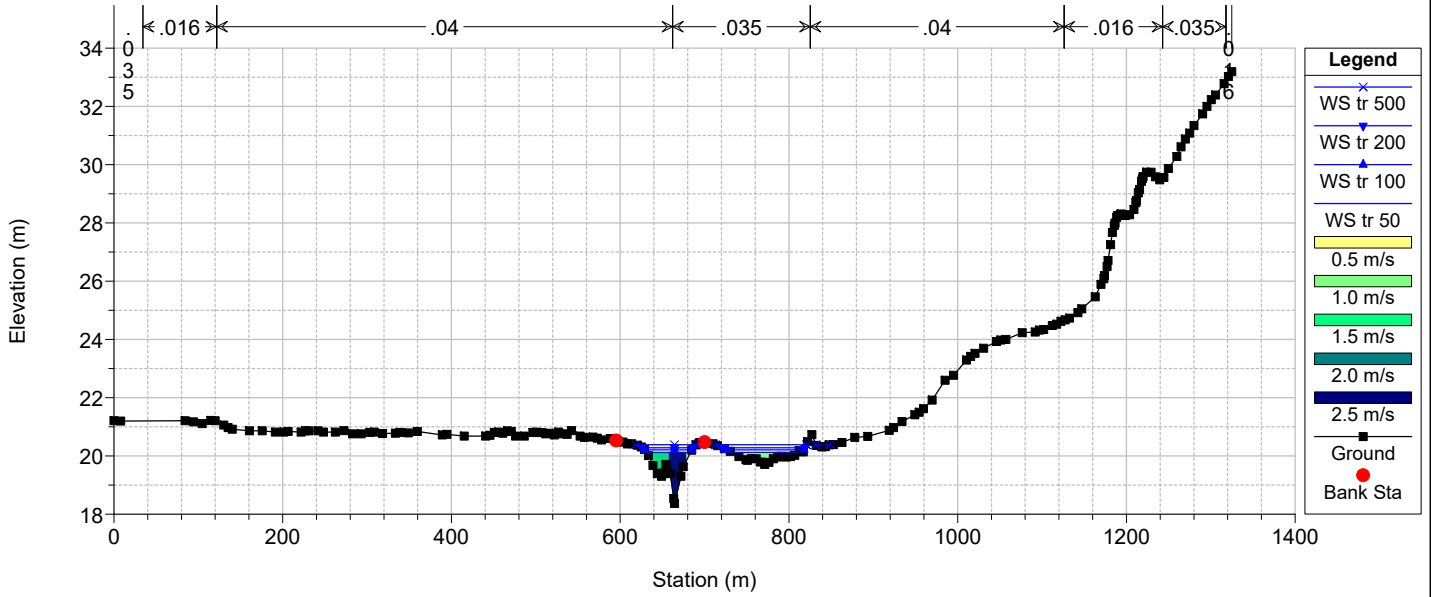
River = Canale urune Reach = Asta 3 RS = 4046 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

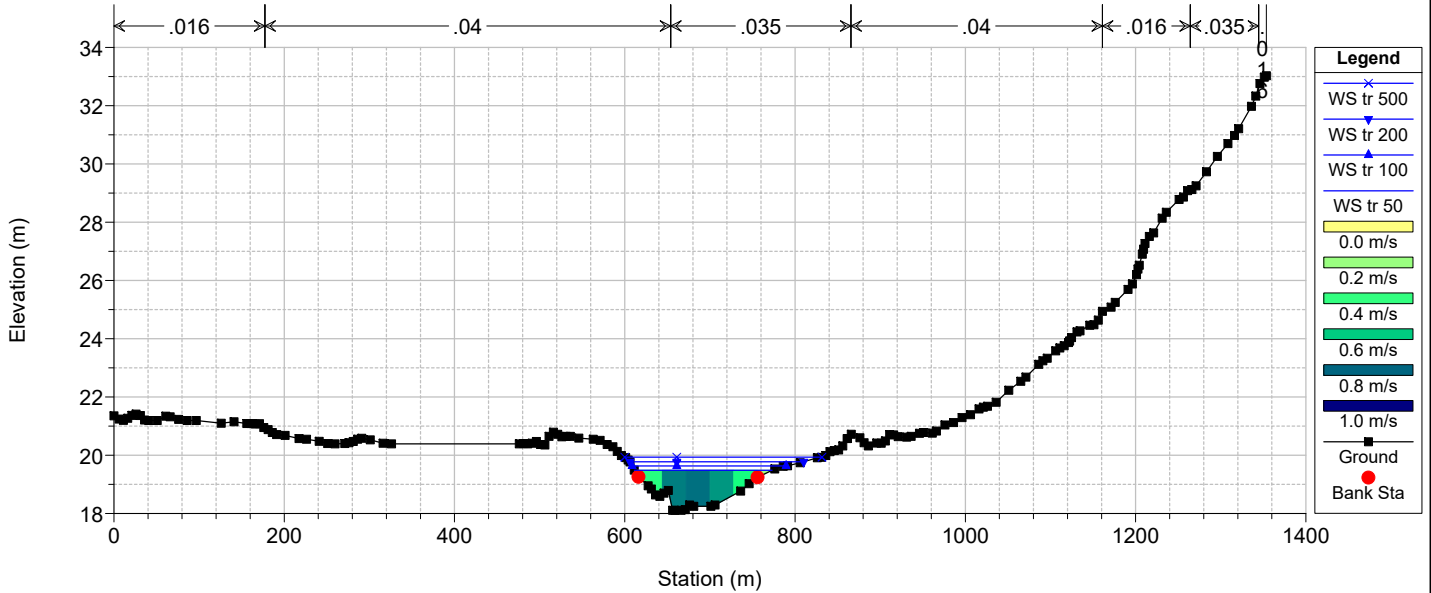
River = Canale urune Reach = Asta 3 RS = 3820 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

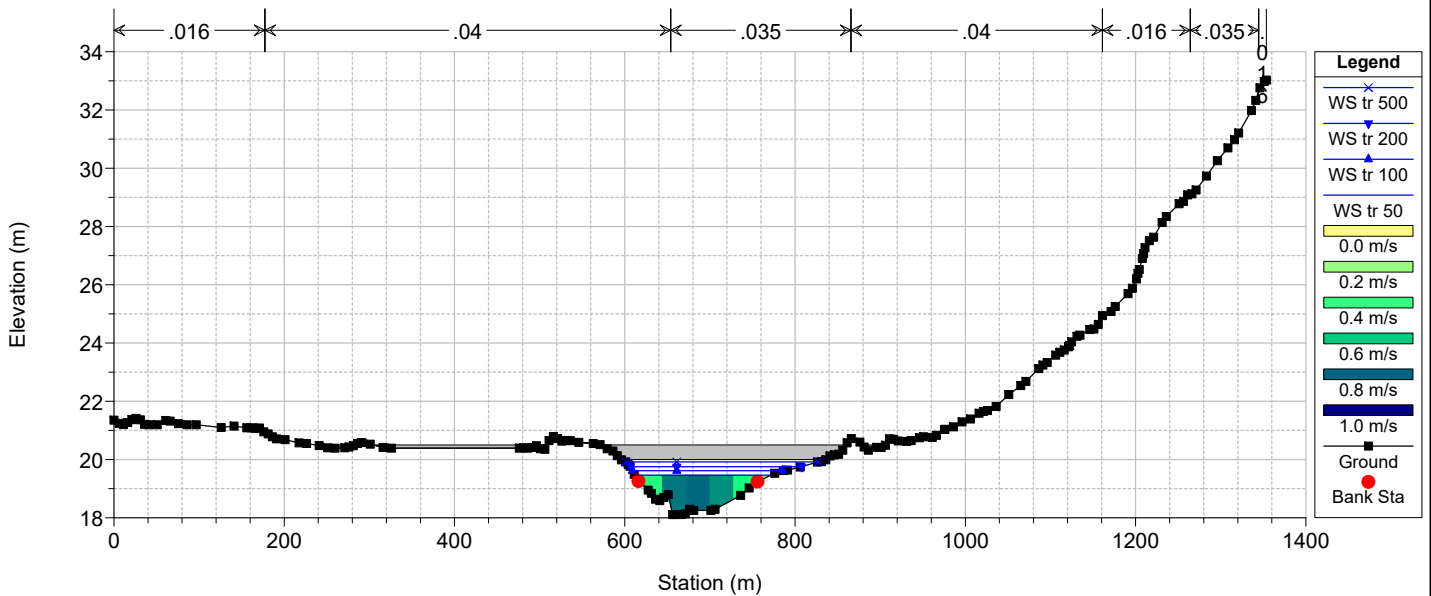
River = Canale urune Reach = Asta 3 RS = 3665 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

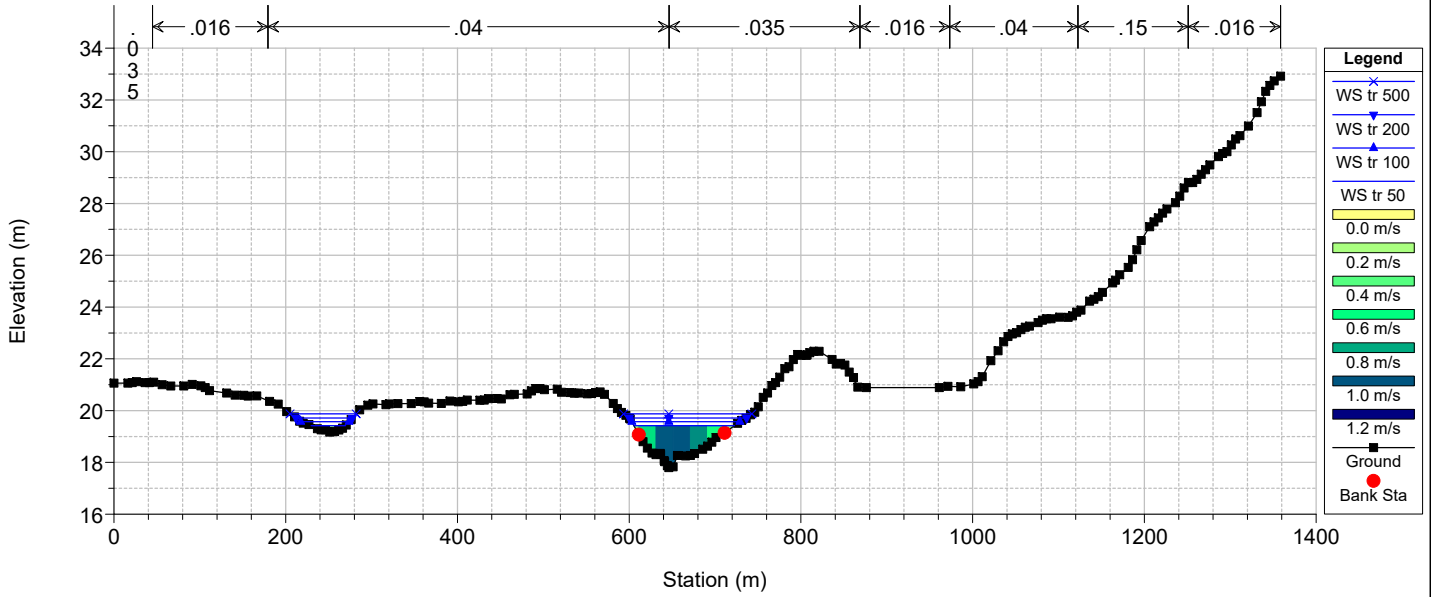
River = Canale urune Reach = Asta 3 RS = 3629 BR COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

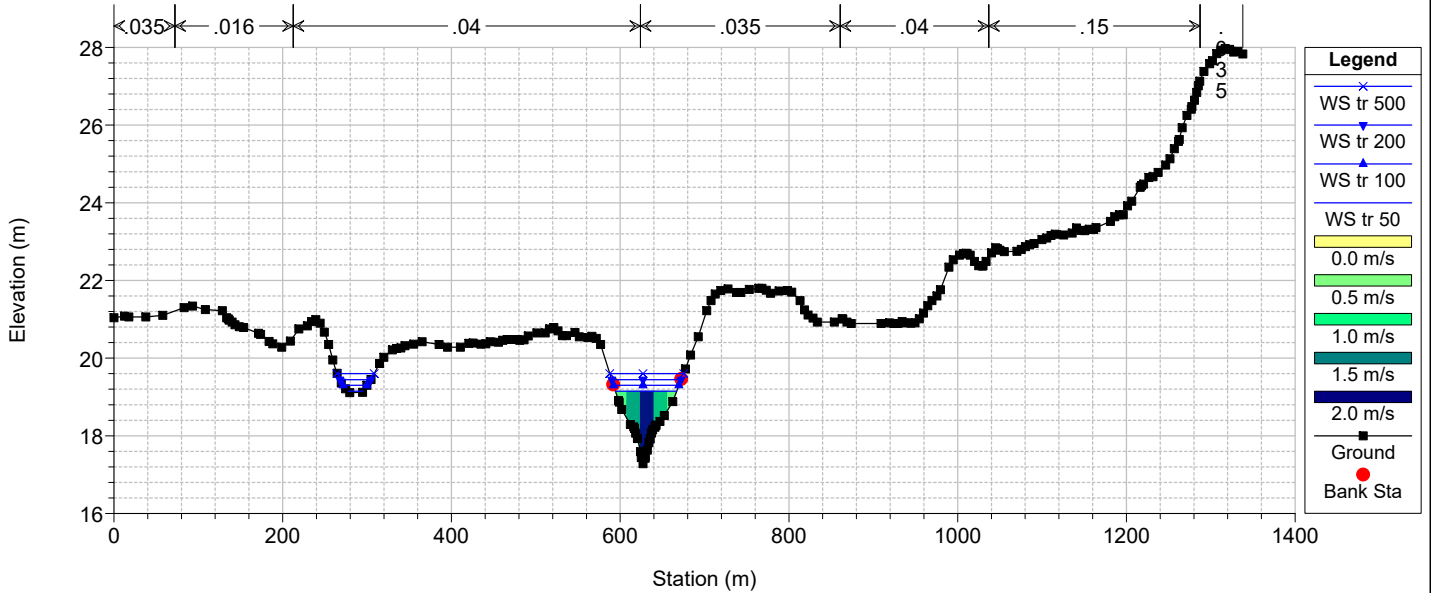
River = Canale urune Reach = Asta 3 RS = 3605 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

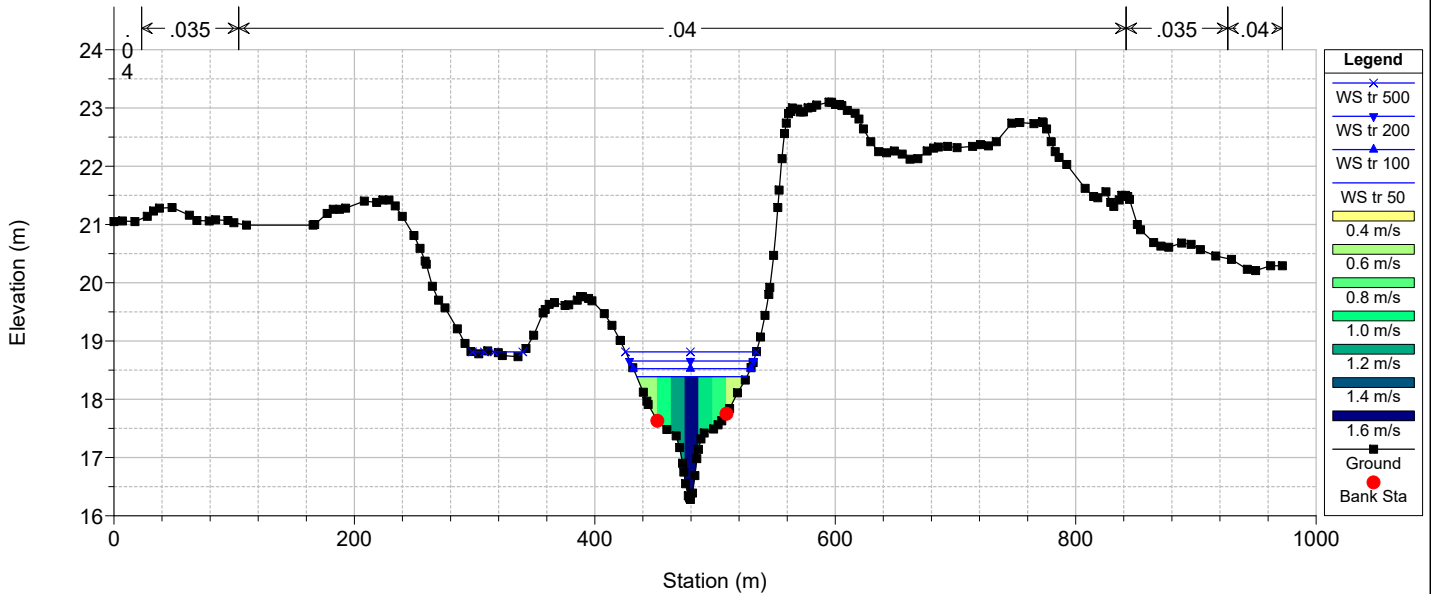
River = Canale urune Reach = Asta 3 RS = 3496 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

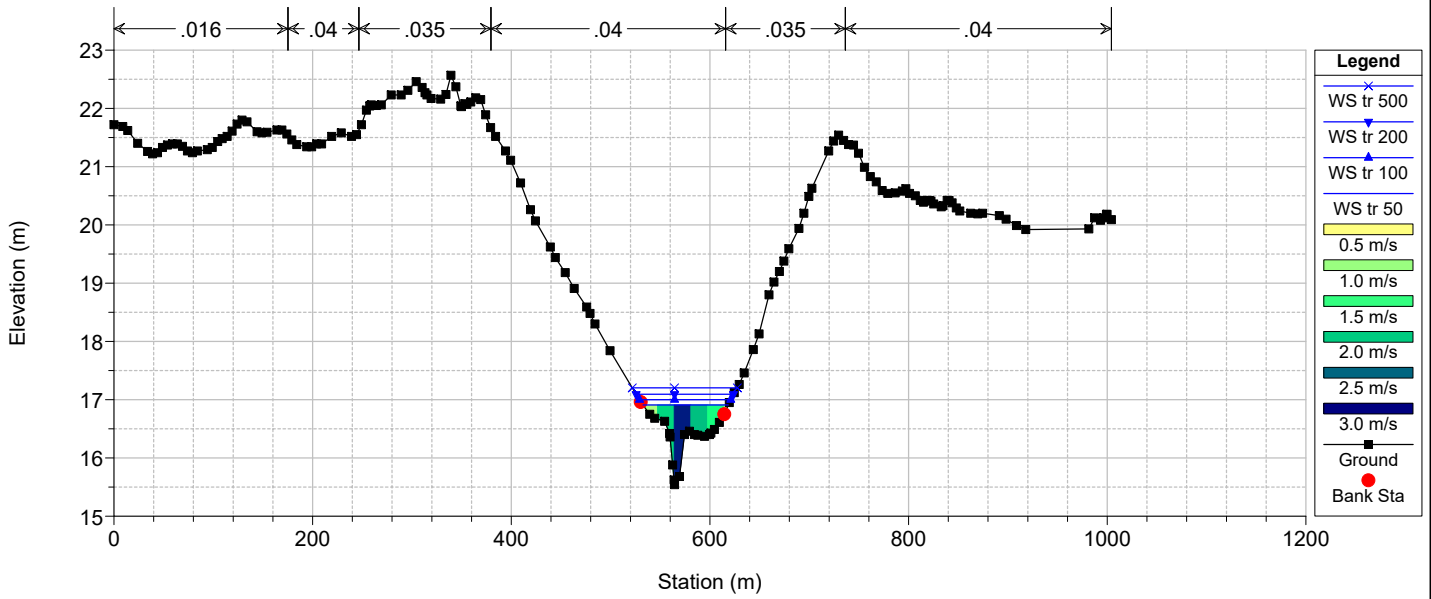
River = Canale urune Reach = Asta 3 RS = 3202 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

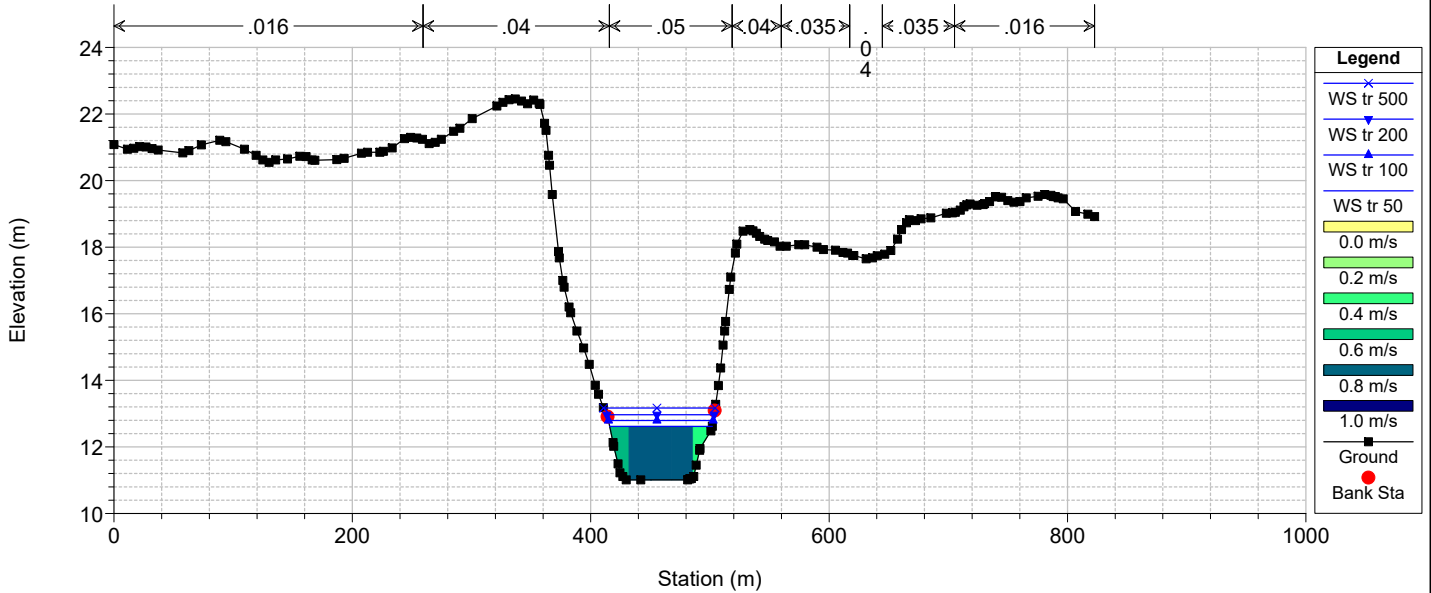
River = Canale urune Reach = Asta 3 RS = 2931 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

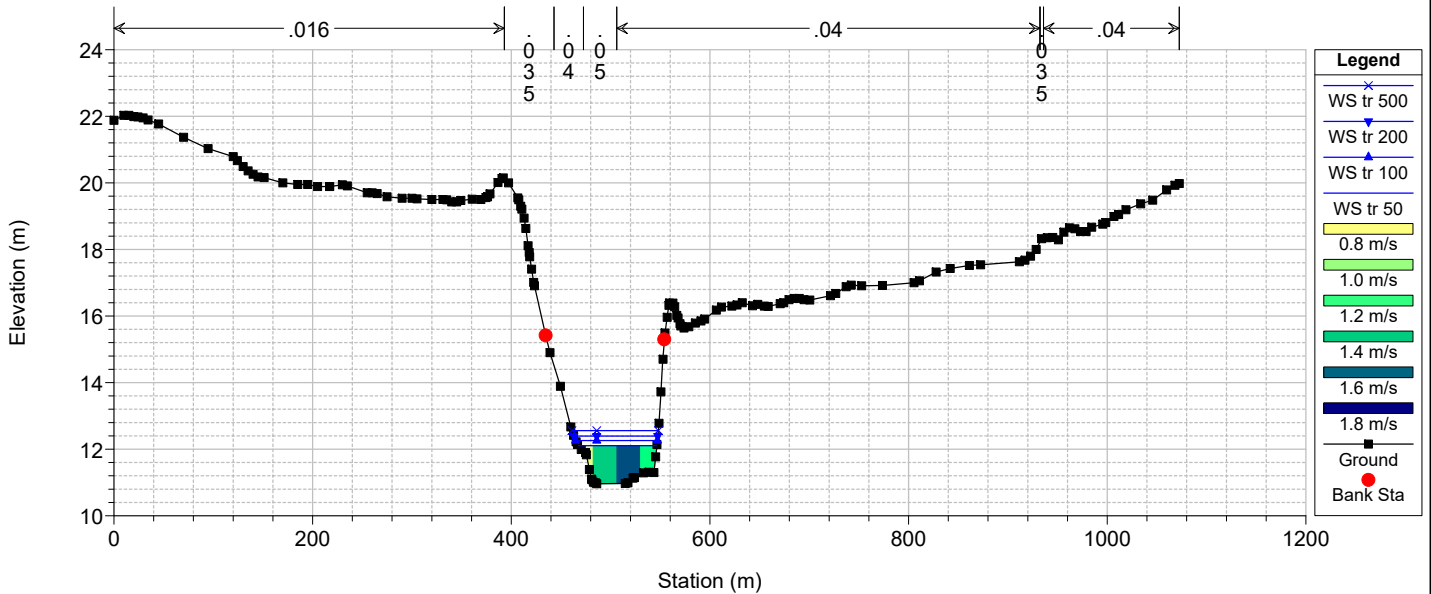
River = Canale urune Reach = Asta 3 RS = 2607 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

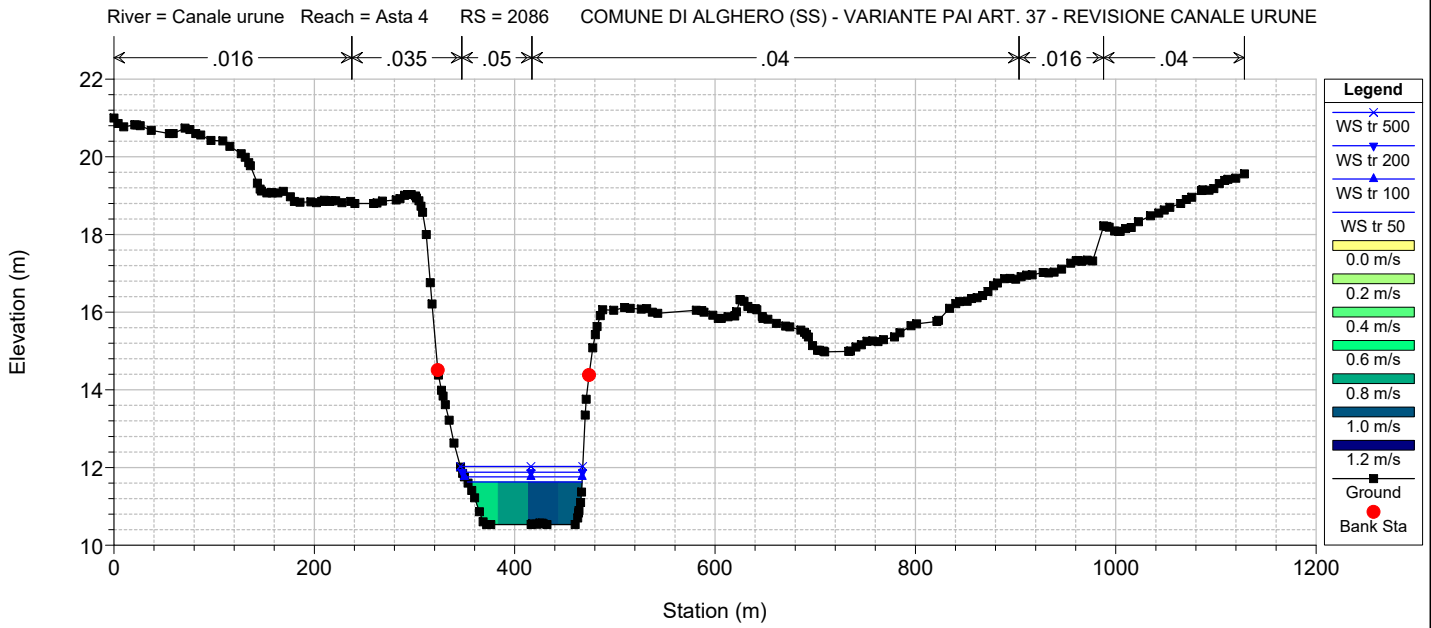
River = Canale urune Reach = Asta 4 RS = 2298 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

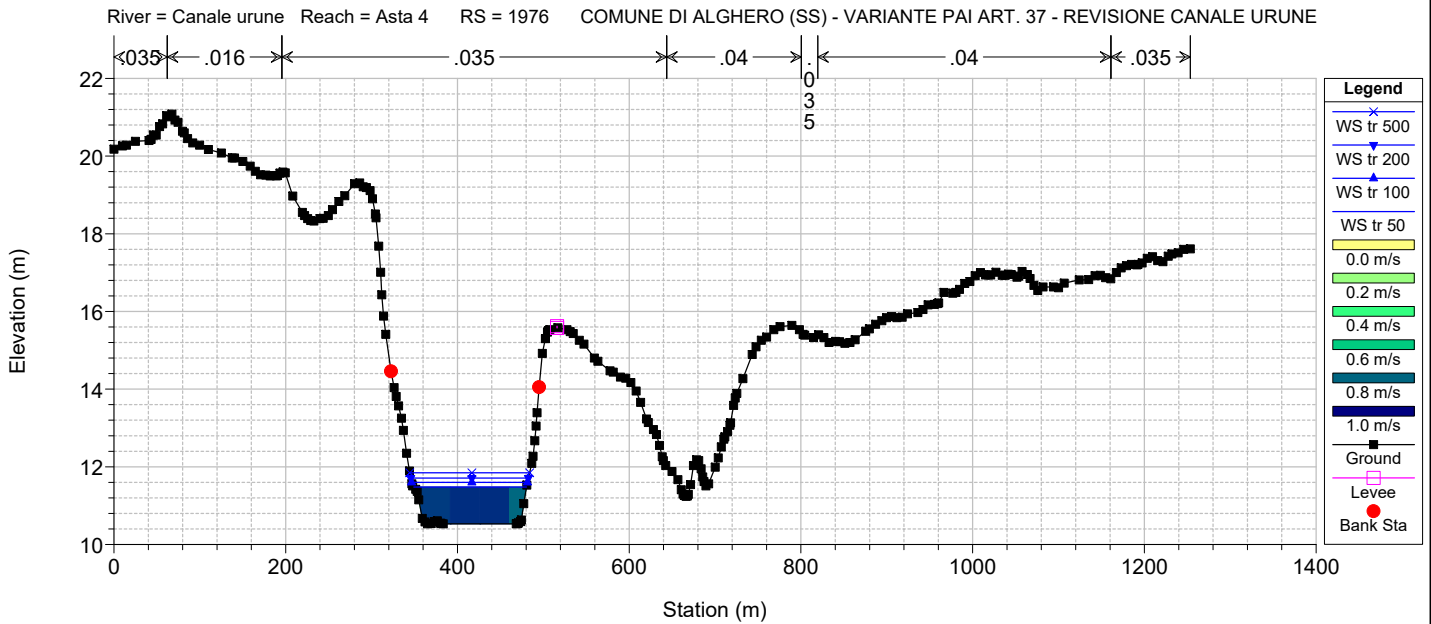
River = Canale urune Reach = Asta 4 RS = 2086 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

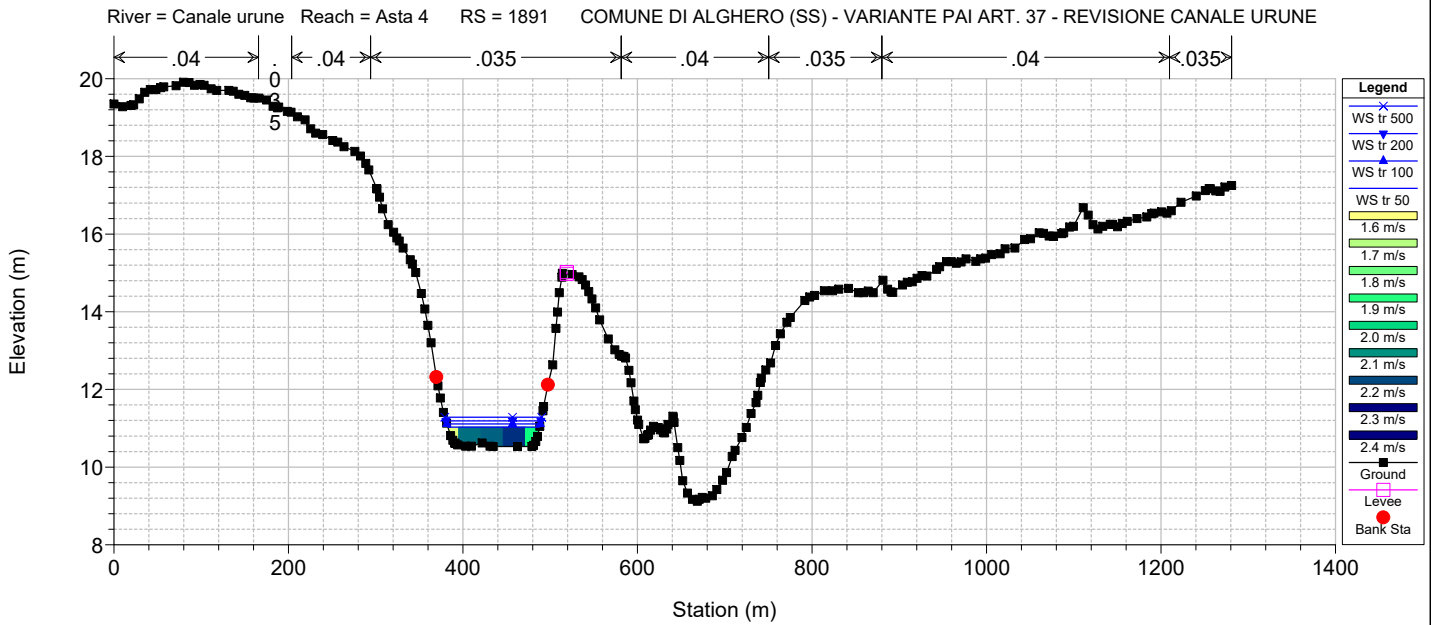
River = Canale urune Reach = Asta 4 RS = 1976 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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Geom: URUNE_PSFF_04082023

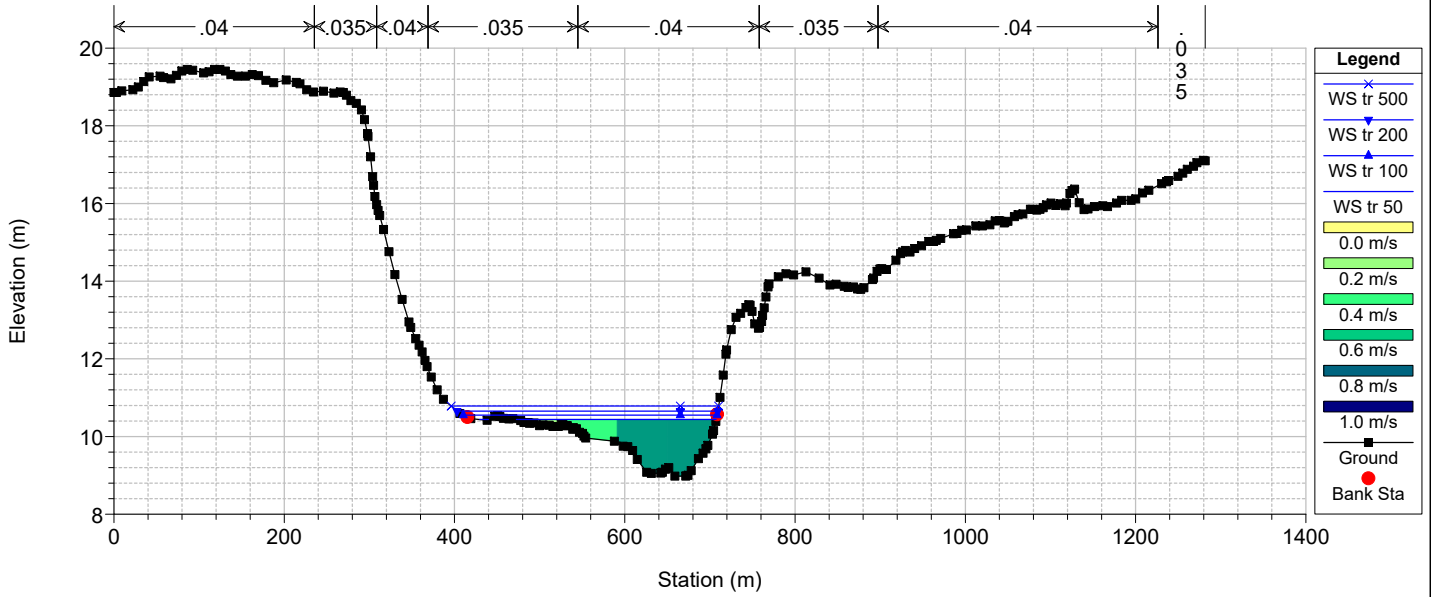
River = Canale urune Reach = Asta 4 RS = 1891 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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Geom: URUNE_PSFF_04082023

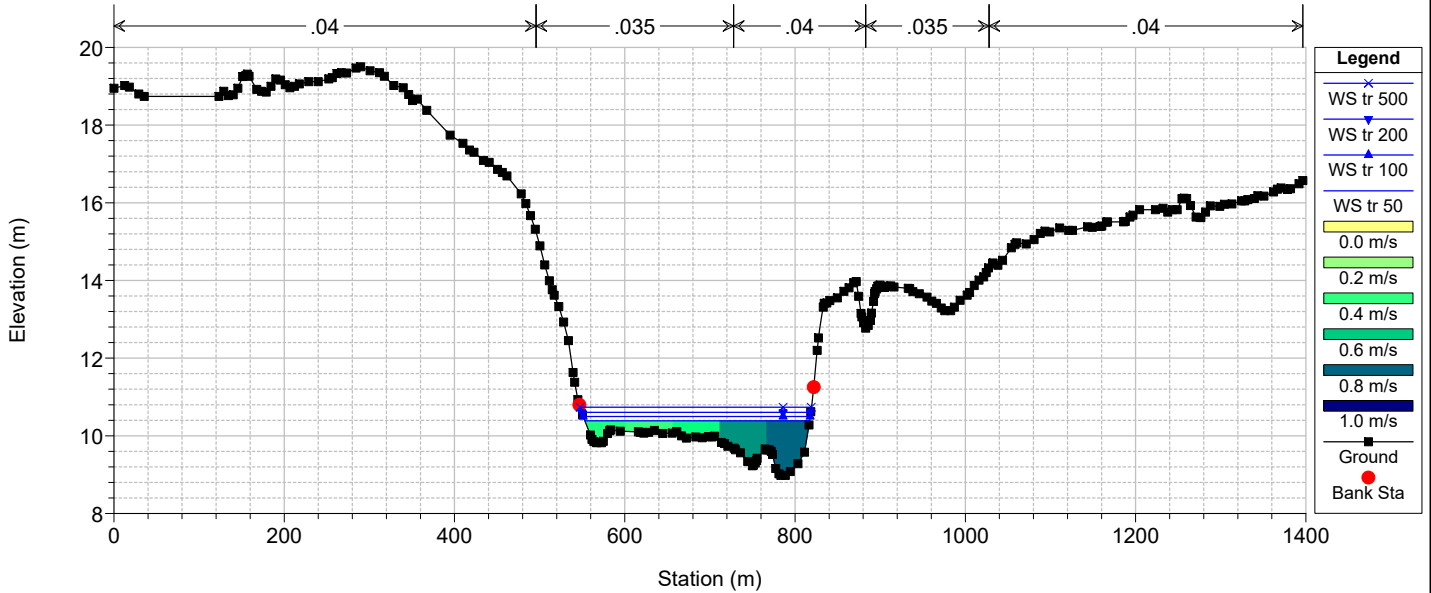
River = Canale urune Reach = Asta 4 RS = 1840 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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Geom: URUNE_PSFF_04082023

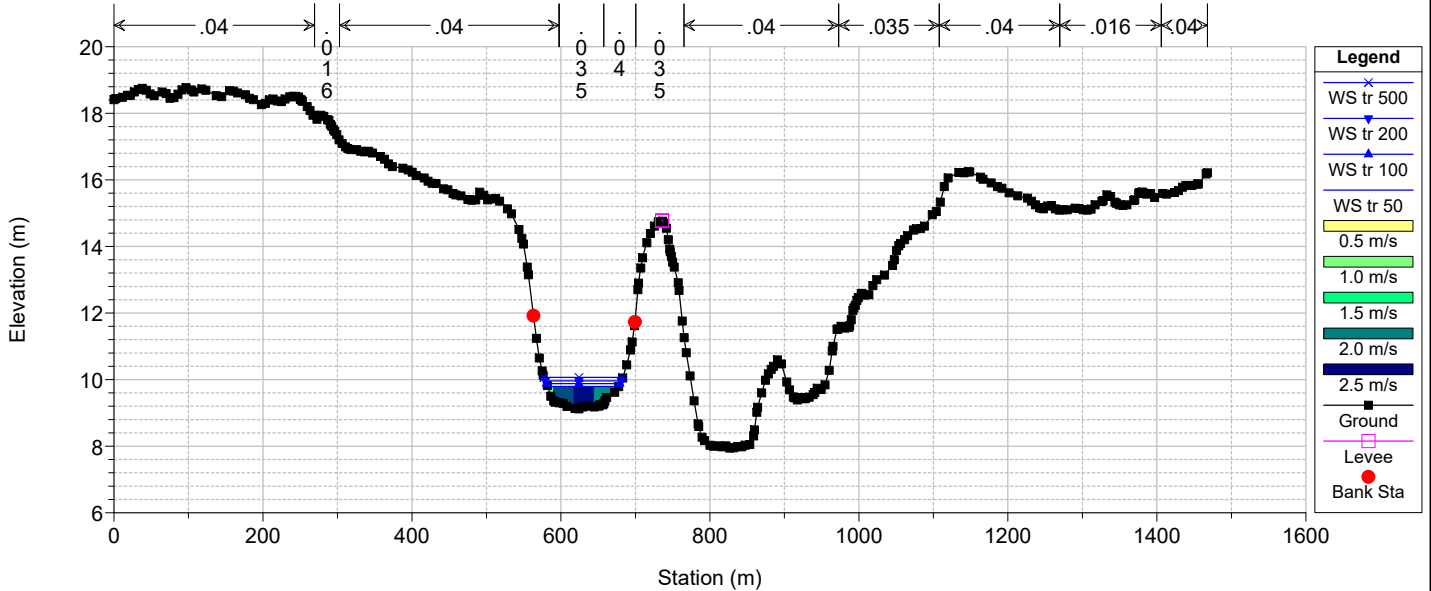
River = Canale urune Reach = Asta 4 RS = 1784 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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Geom: URUNE_PSFF_04082023

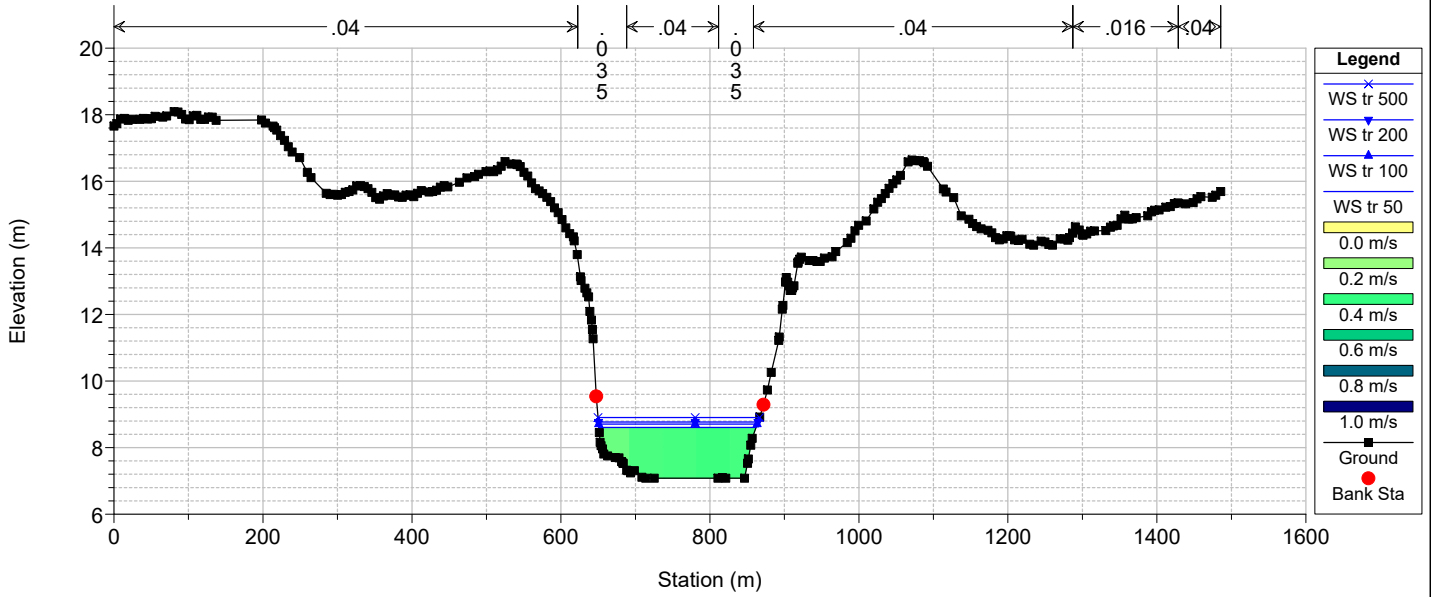
River = Canale urune Reach = Asta 4 RS = 1639 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



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Geom: URUNE_PSFF_04082023

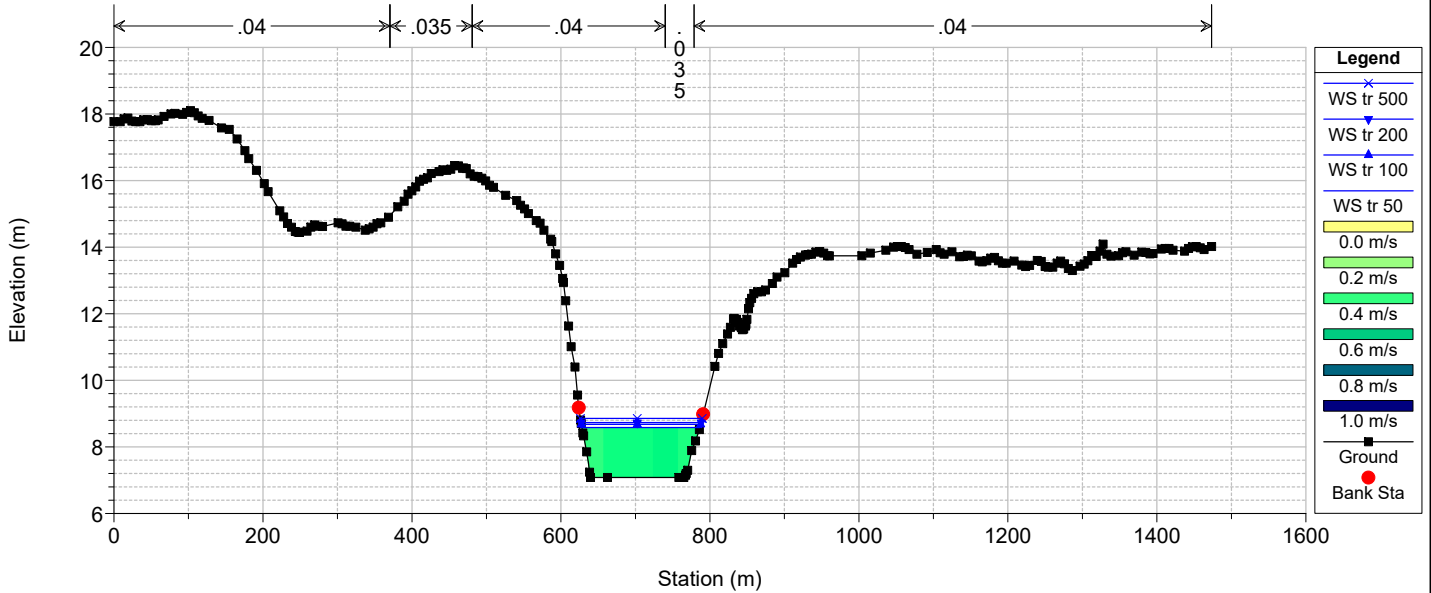
River = Canale urune Reach = Asta 4 RS = 1472 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

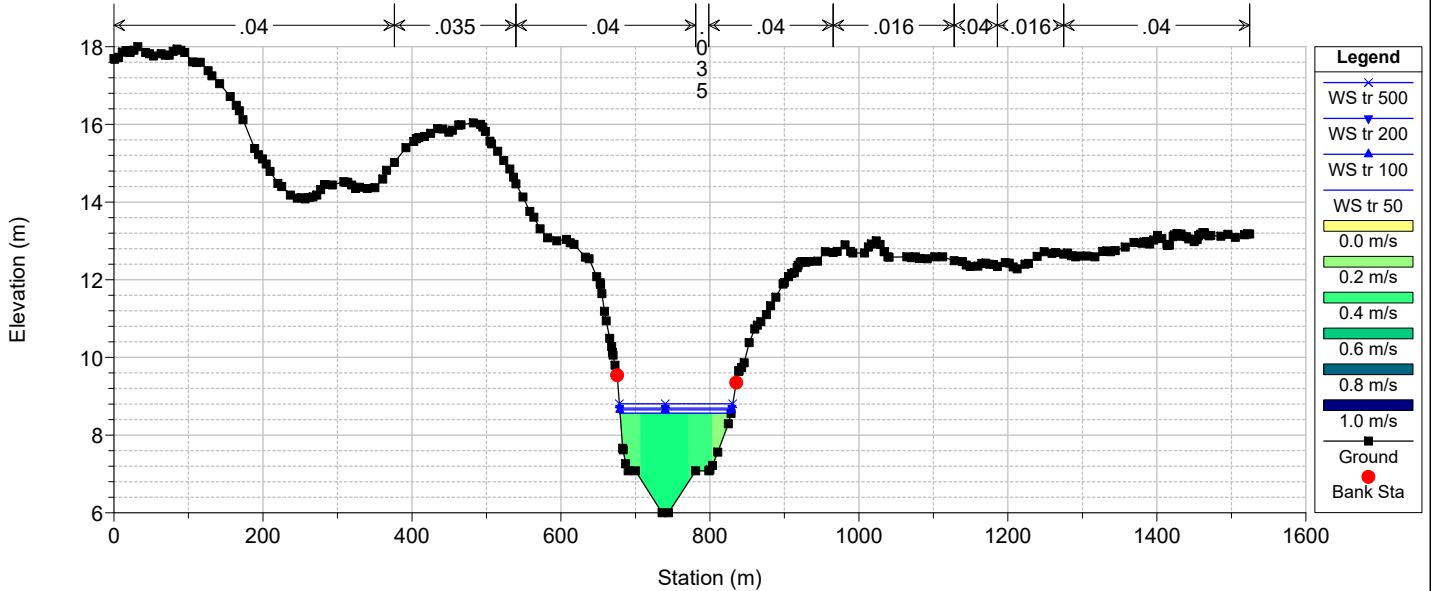
River = Canale urune Reach = Asta 4 RS = 1363 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

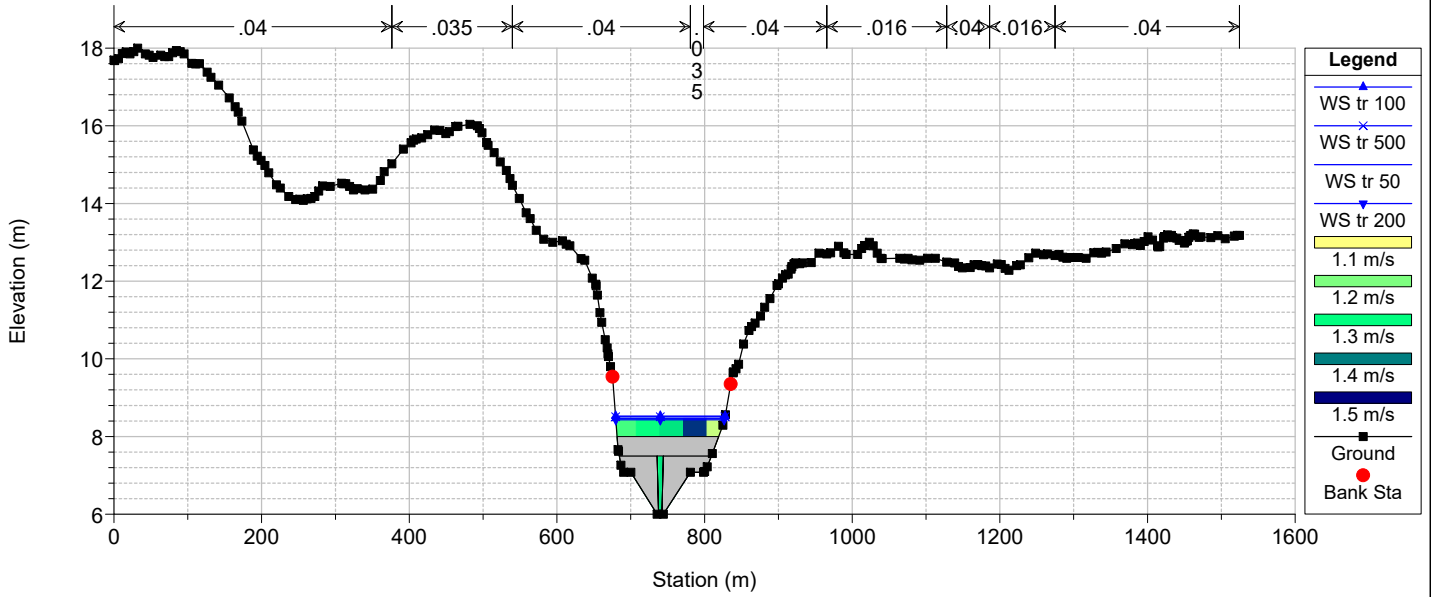
River = Canale urune Reach = Asta 4 RS = 1225 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

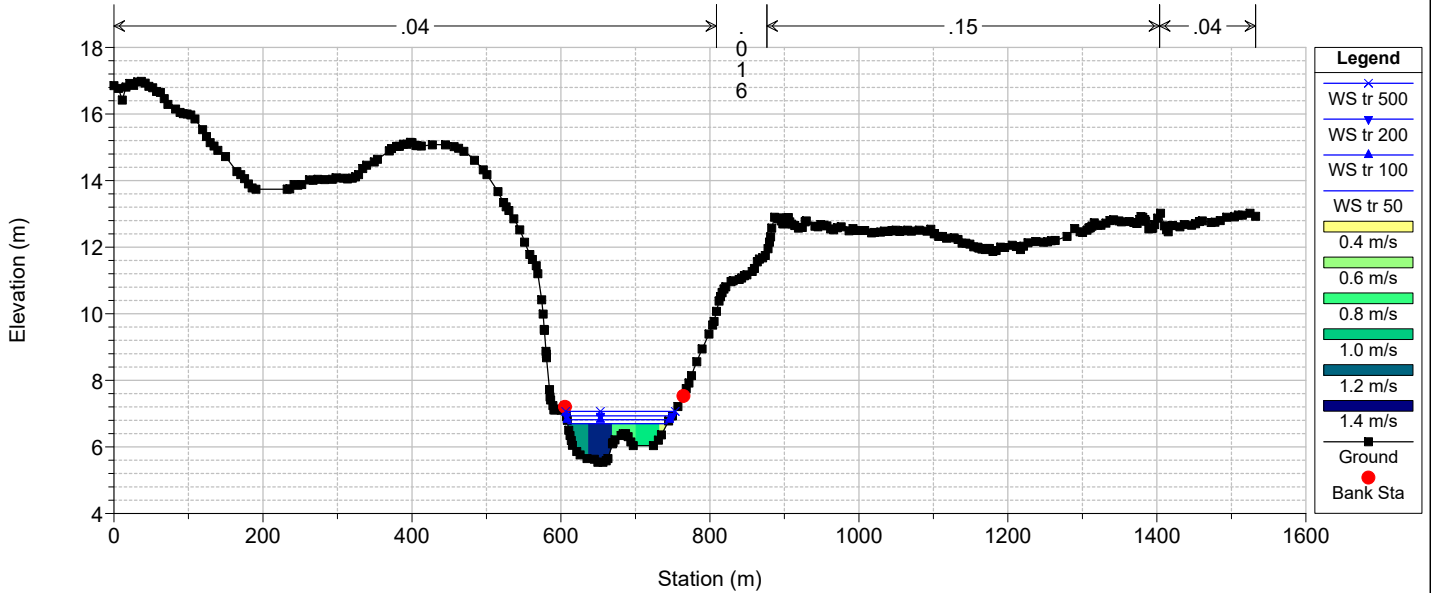
River = Canale urune Reach = Asta 4 RS = 1199 BR COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

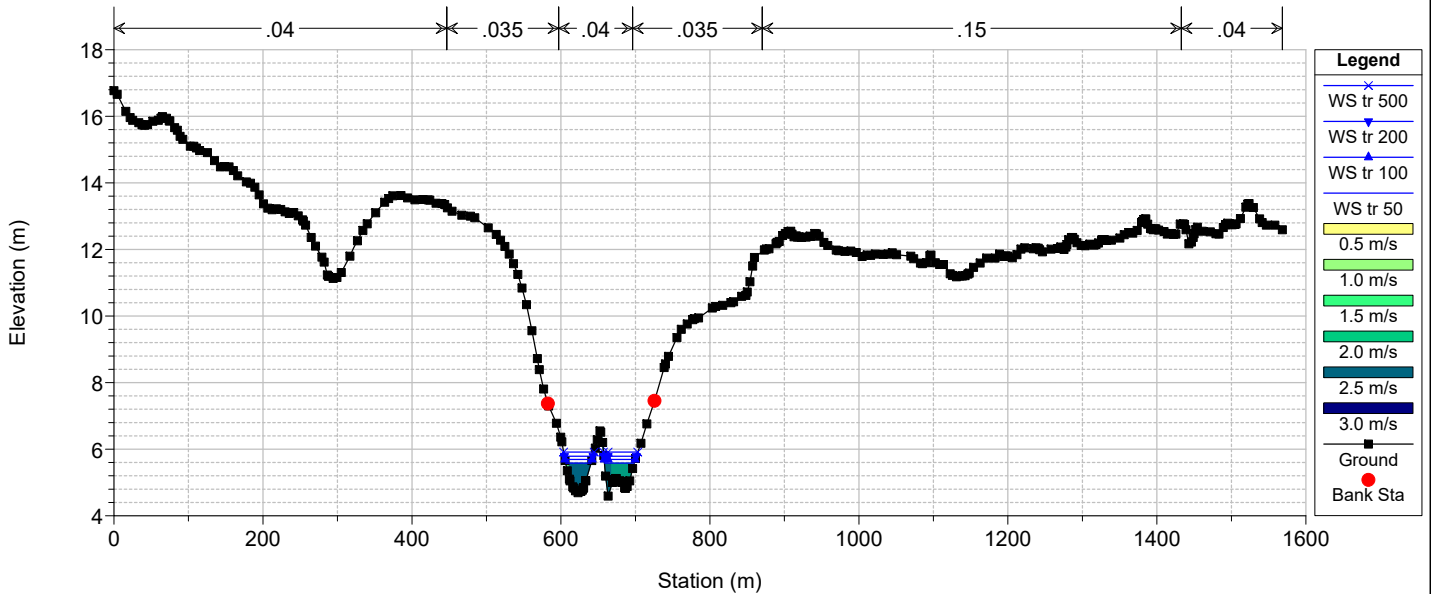
River = Canale urune Reach = Asta 4 RS = 1166 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

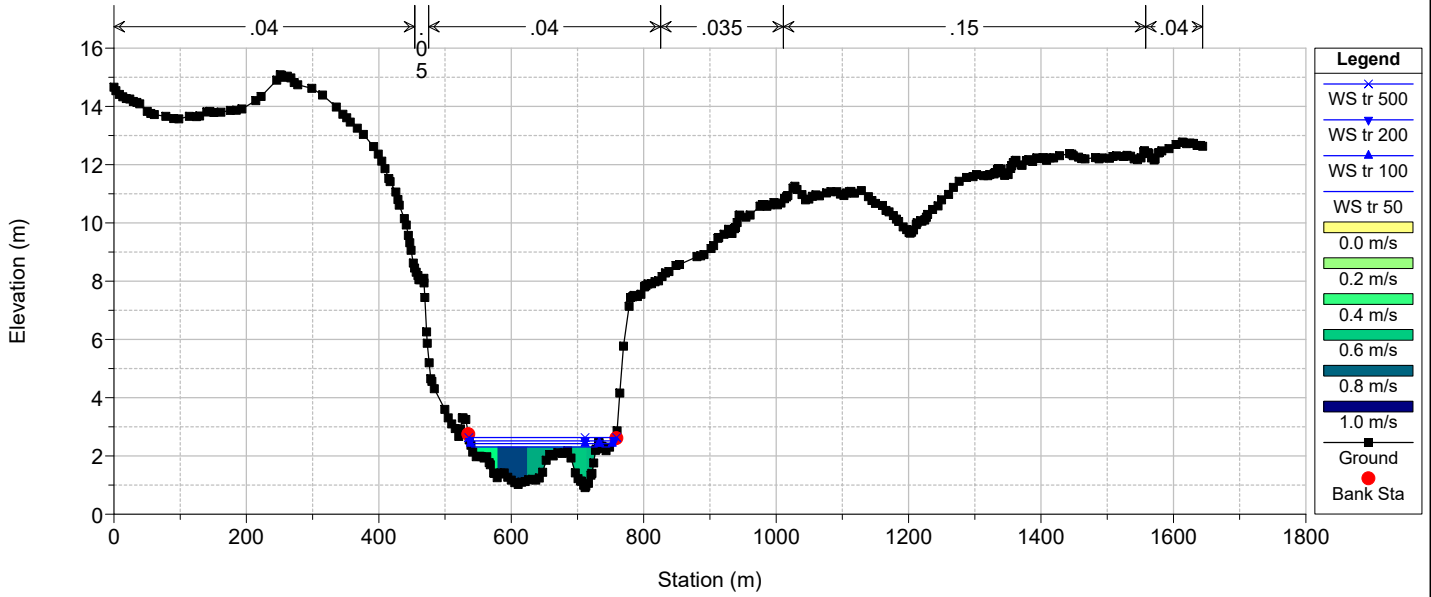
River = Canale urune Reach = Asta 4 RS = 1025 COMUNE DI ALGERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

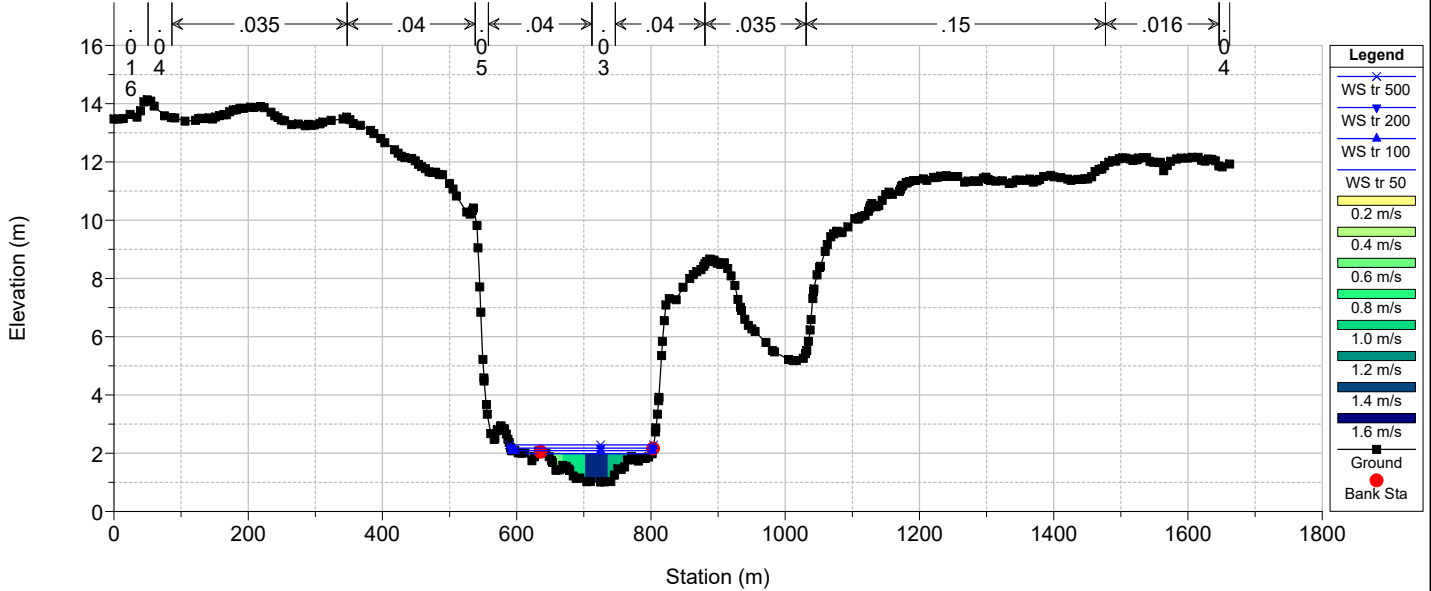
River = Canale urune Reach = Asta 4 RS = 778 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

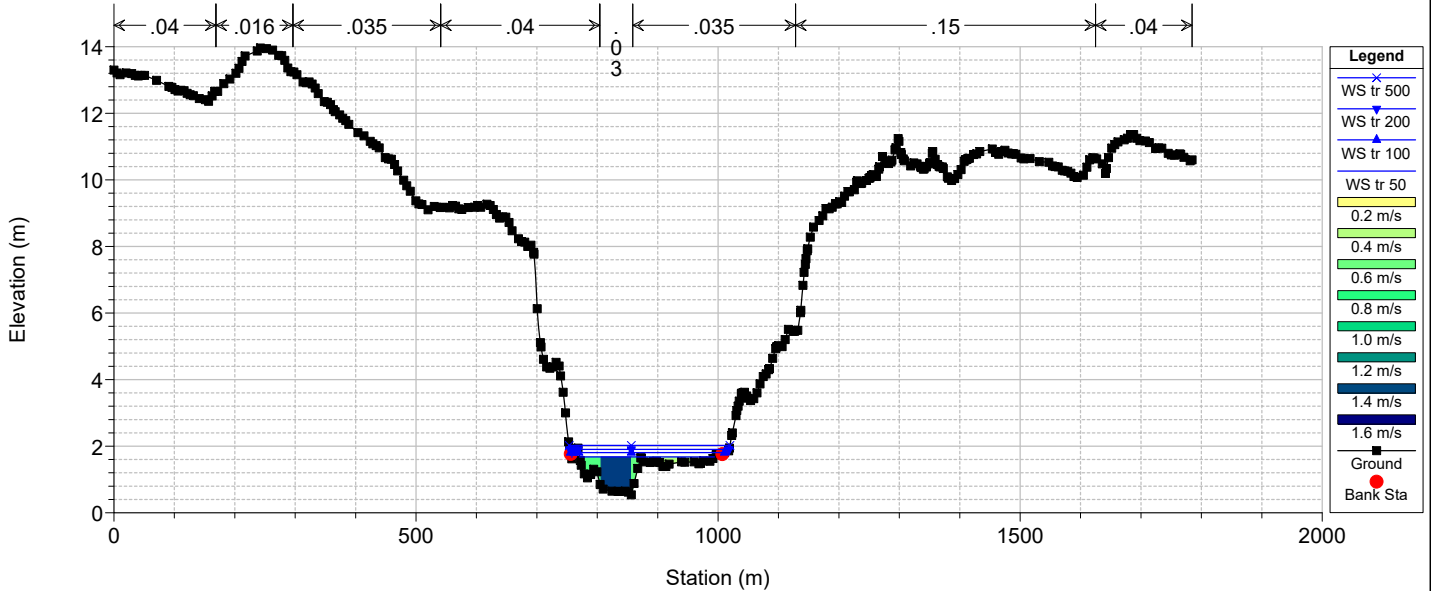
River = Canale urune Reach = Asta 4 RS = 616 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

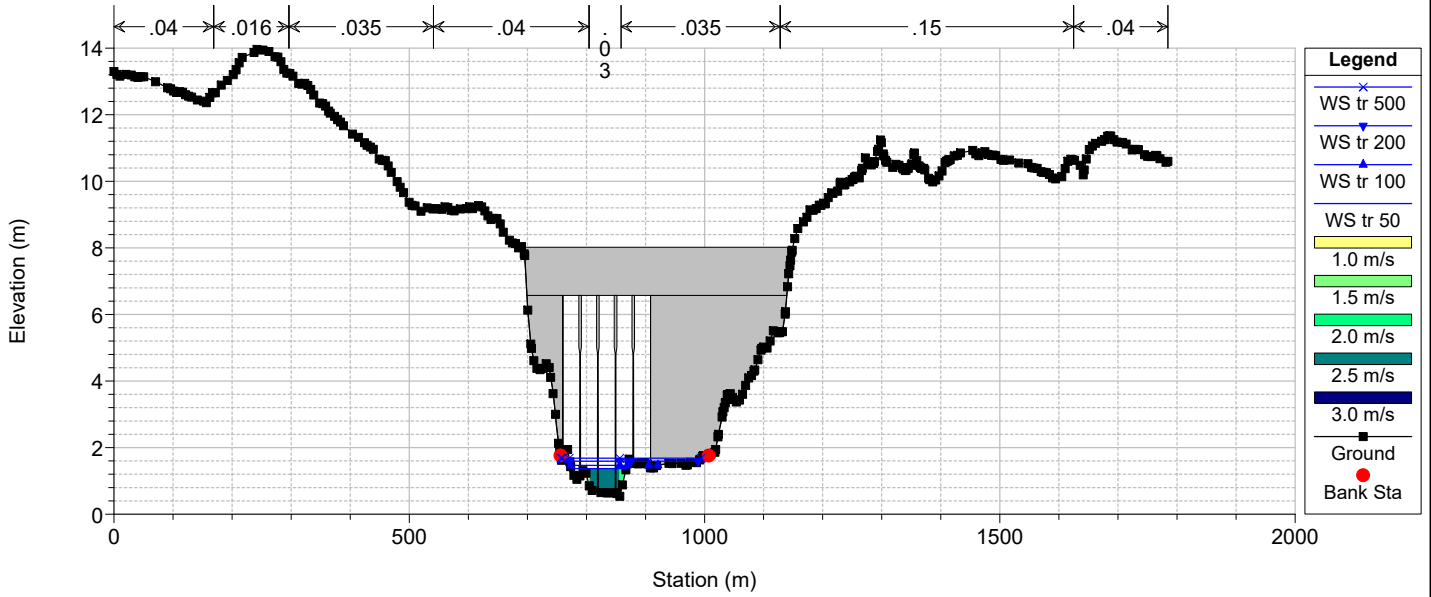
River = Canale urune Reach = Asta 4 RS = 470 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

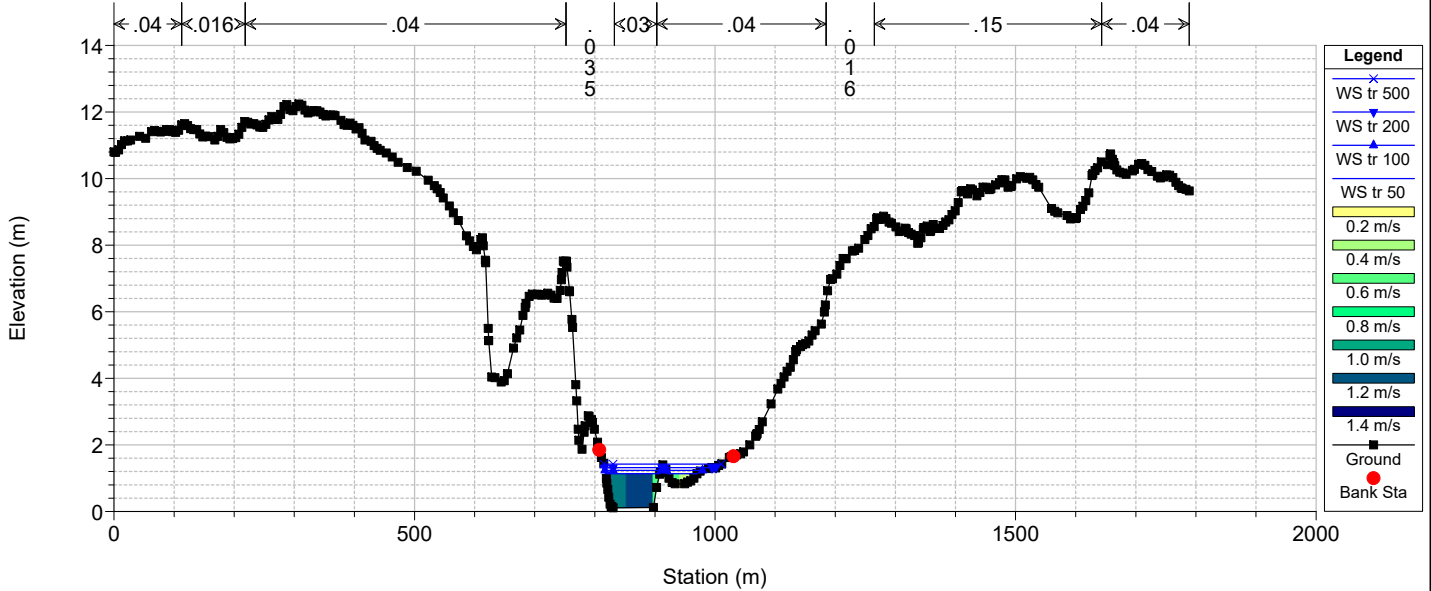
River = Canale urune Reach = Asta 4 RS = 437 BR COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

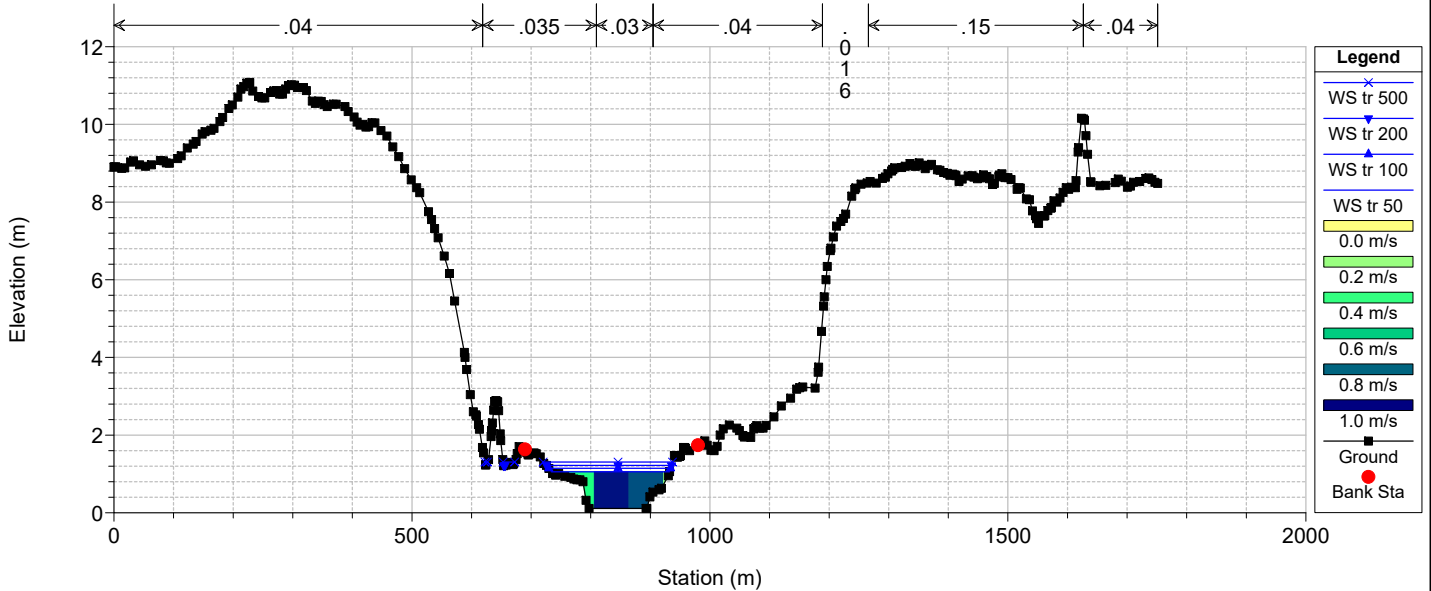
River = Canale urune Reach = Asta 4 RS = 389 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

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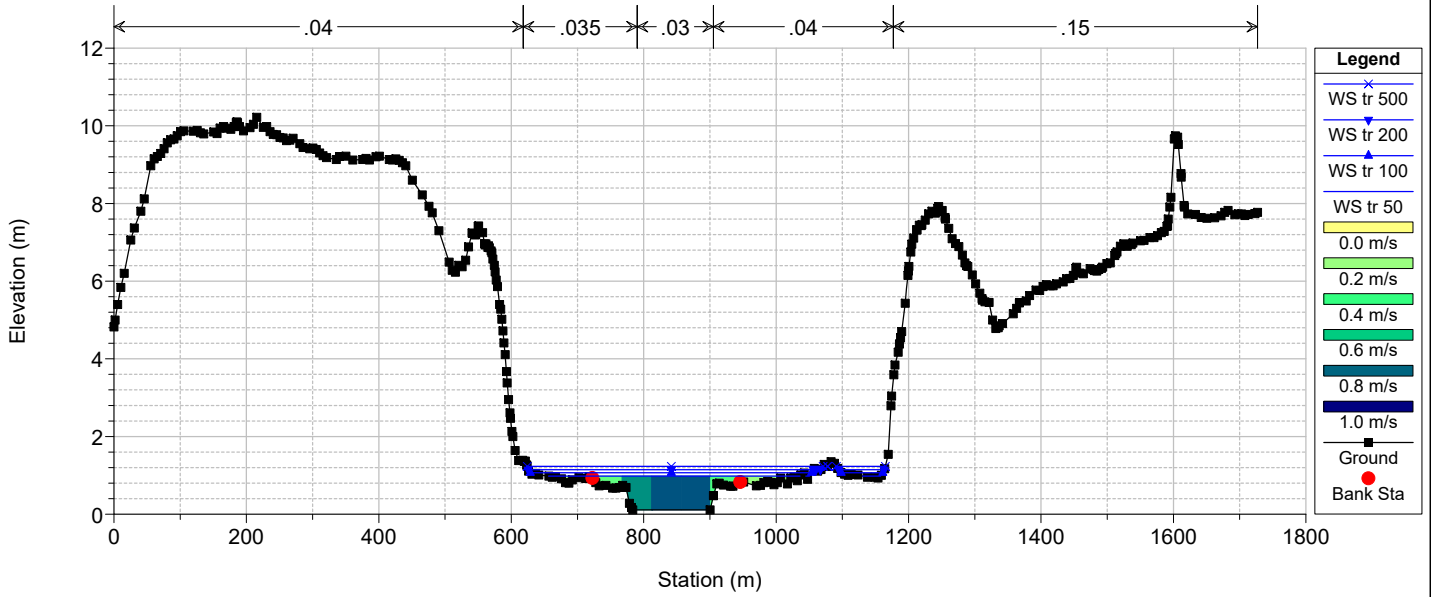
River = Canale urune Reach = Asta 4 RS = 304 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

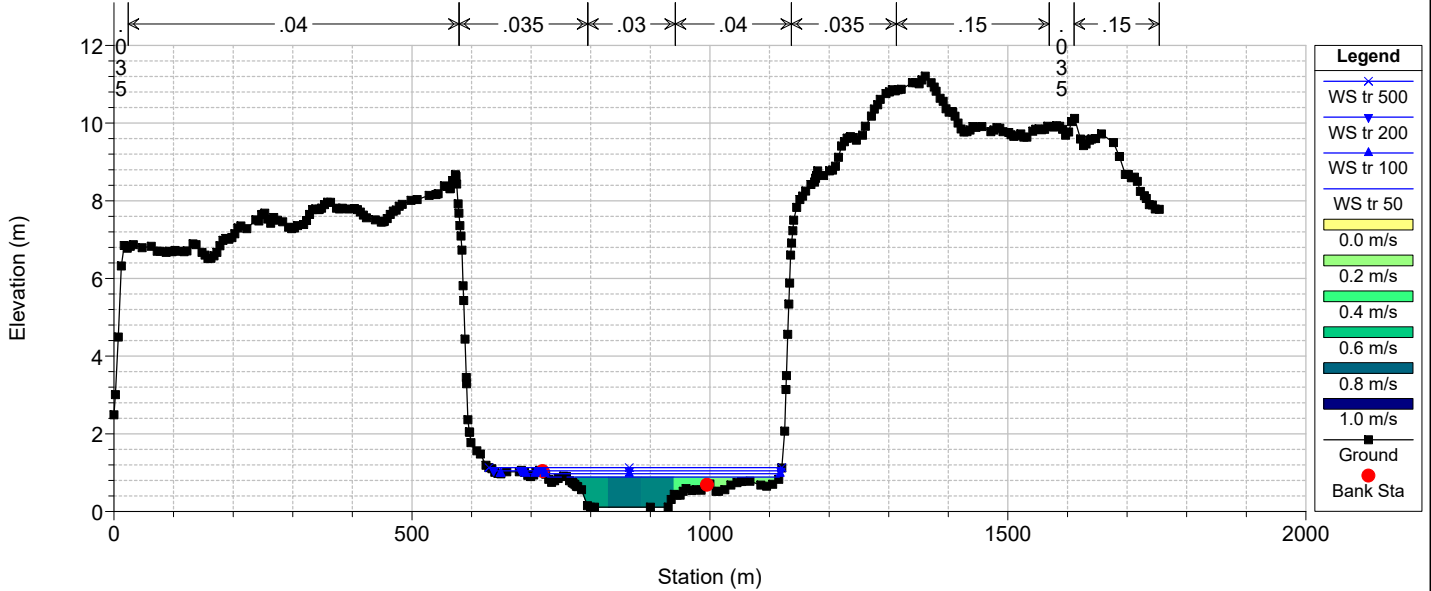
River = Canale urune Reach = Asta 4 RS = 211 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

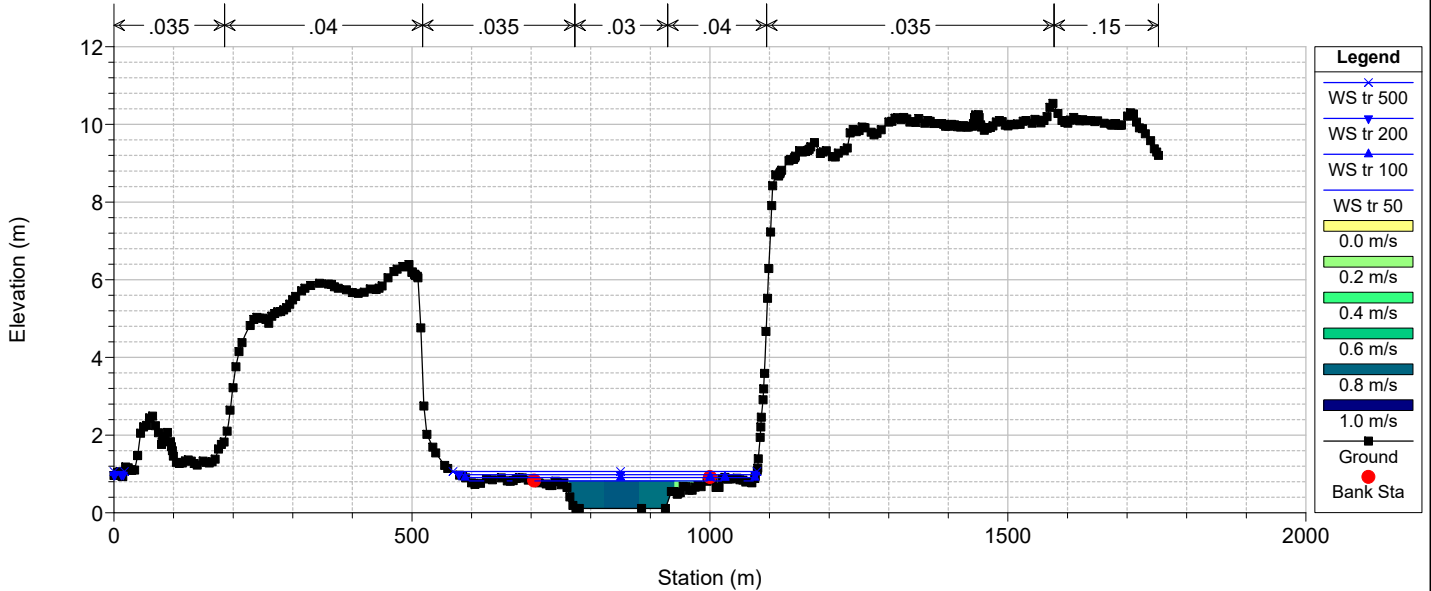
River = Canale urune Reach = Asta 4 RS = 83 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



urune26062017 Plan: 04082023 8/4/2023 12:24:39 PM

Geom: URUNE_PSFF_04082023

River = Canale urune Reach = Asta 4 RS = 17 COMUNE DI ALGHERO (SS) - VARIANTE PAI ART. 37 - REVISIONE CANALE URUNE



Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Asta 4	211	tr 50	100.00	0.11	0.98		1.01	0.000778	0.72	153.49	412.55	0.30
Asta 4	211	tr 100	127.00	0.11	1.07		1.10	0.000790	0.77	193.51	487.42	0.30
Asta 4	211	tr 200	155.00	0.11	1.14		1.17	0.000798	0.81	230.76	505.95	0.30
Asta 4	211	tr 500	193.00	0.11	1.23		1.26	0.000816	0.87	275.78	520.77	0.30
Asta 4	83	tr 50	100.00	0.11	0.89		0.91	0.000759	0.67	165.52	379.74	0.29
Asta 4	83	tr 100	127.00	0.11	0.97		1.00	0.000762	0.71	200.08	410.74	0.29
Asta 4	83	tr 200	155.00	0.11	1.04		1.07	0.000787	0.75	232.07	473.67	0.29
Asta 4	83	tr 500	193.00	0.11	1.13		1.16	0.000814	0.81	273.09	491.35	0.30
Asta 4	17	tr 50	100.00	0.11	0.82	0.45	0.85	0.001002	0.74	138.49	351.46	0.34
Asta 4	17	tr 100	127.00	0.11	0.91	0.52	0.94	0.001001	0.78	174.41	484.59	0.34
Asta 4	17	tr 200	155.00	0.11	0.98	0.58	1.01	0.001000	0.82	209.99	502.87	0.33
Asta 4	17	tr 500	193.00	0.11	1.06	0.65	1.10	0.001002	0.87	253.34	527.43	0.33