

COMMITTENTE:



PROGETTAZIONE:



CUP: J41C000000005

U.O. COORDINAMENTO NO CAPTIVE E INGEGNERIA DI SISTEMA

PROGETTO DI FATTIBILITA' TECNICA ED ECONOMICA

ASSE FERROVIARIO MONACO - VERONA

**ACCESSO SUD ALLA GALLERIA DI BASE DEL BRENNERO
QUADRUPPLICAMENTO DELLA LINEA FORTEZZA - VERONA**

LOTTO 3 A: PROJECT REVIEW CIRCONVALLAZIONE DI TRENTO

Allegato 1 (Relazione idraulica) -
Risultati Ante Operam; Scenario 1 (Gronda attiva)

SCALA :

-

COMMESSA LOTTO FASE ENTE TIPO DOC. OPERA/DISCIPLINA PROGR. REV.

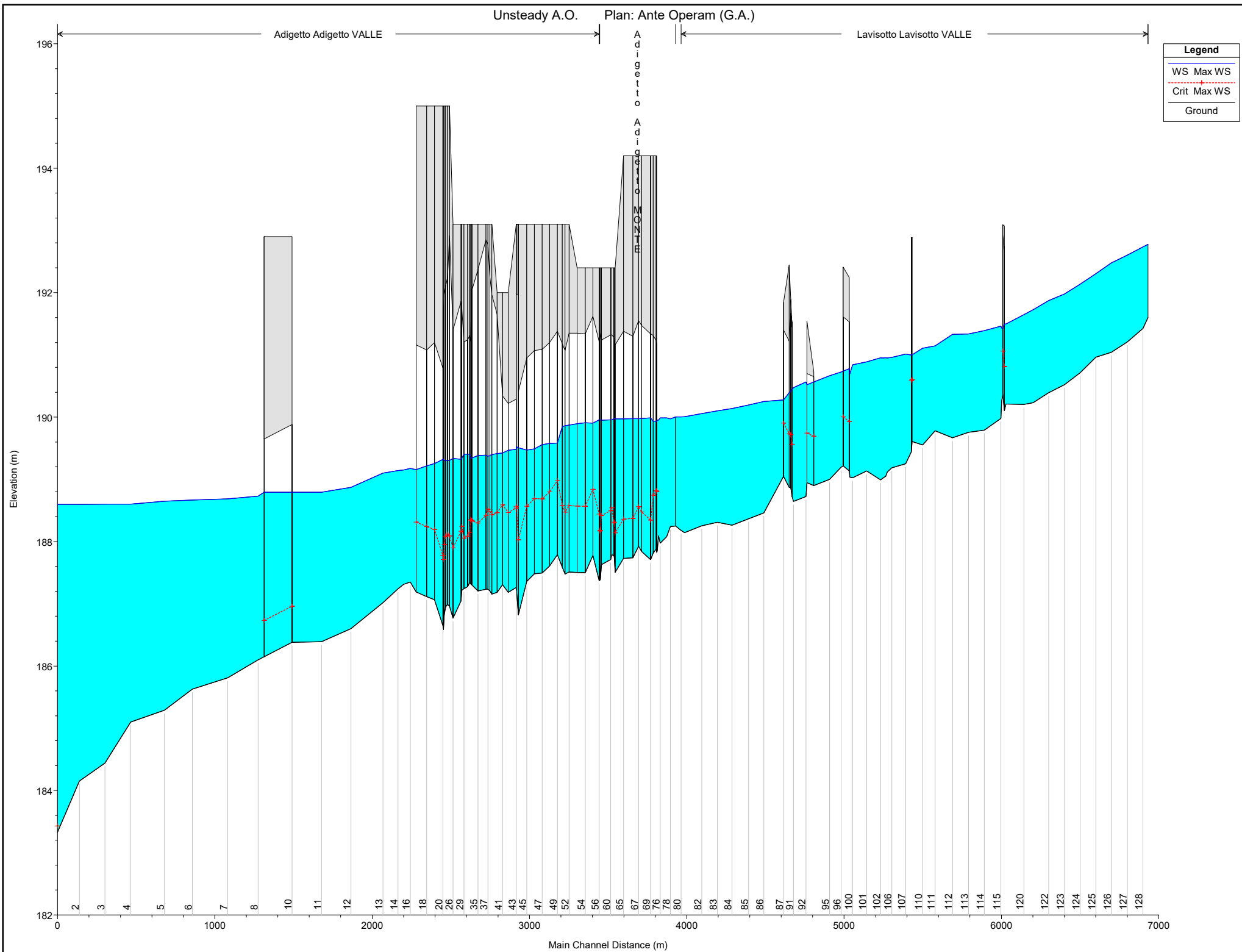
IB0Q 3A R 10 RI ID0002 002 A

Revis.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	Autorizzato Data
A	Emissione esecutiva	M. Carlino	Gennaio 2021	M. Villani	Gennaio 2021	C. Mazzocchi	Gennaio 2021	L. Berardi Gennaio 2021

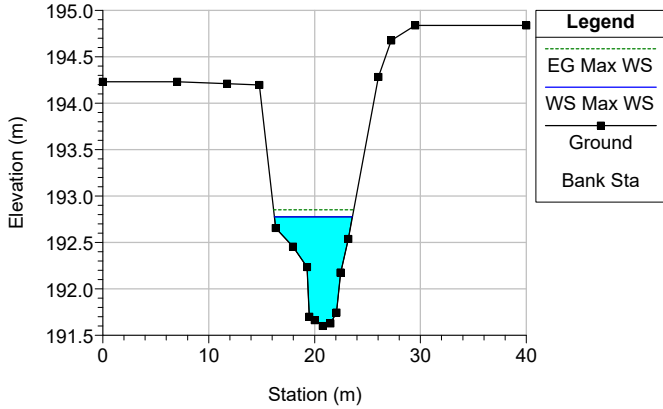
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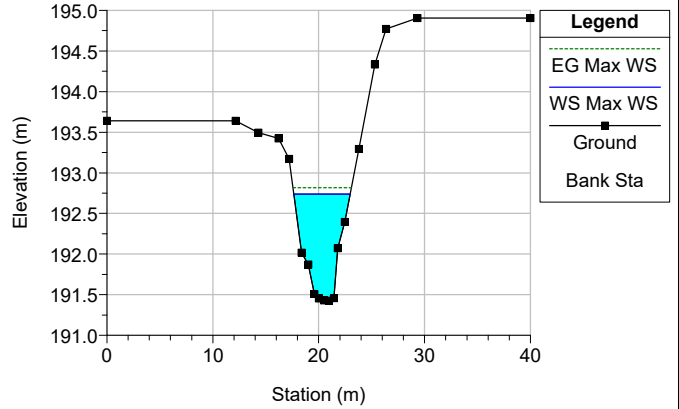
LAVISOTTO-ADIGETTO
RISULTATI CONFIGURAZIONE ANTE OPERAM TR=200



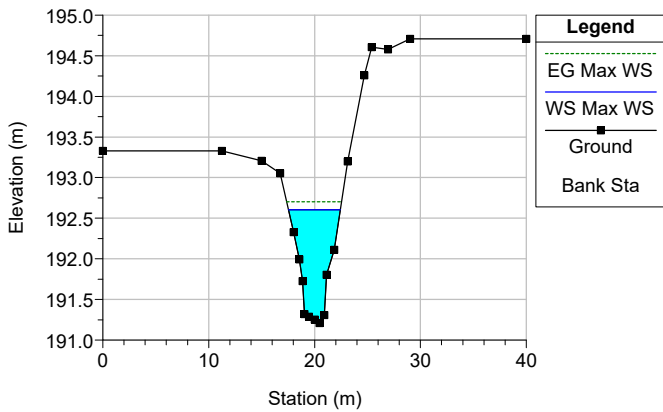
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River = Lavisotto Reach = Lavisotto VALLE RS = 129



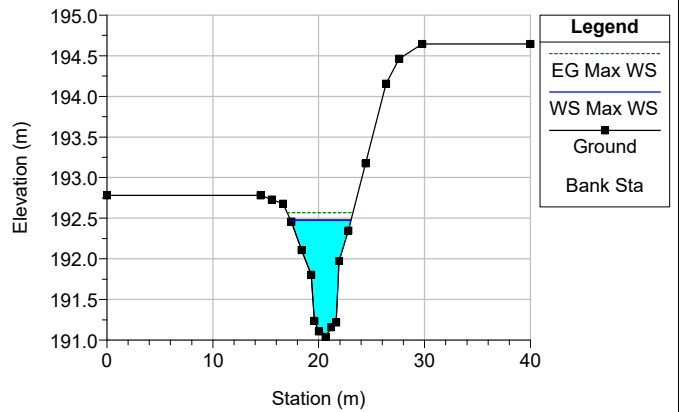
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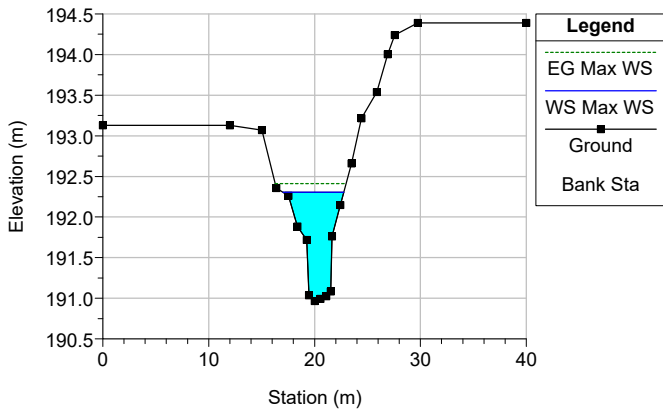
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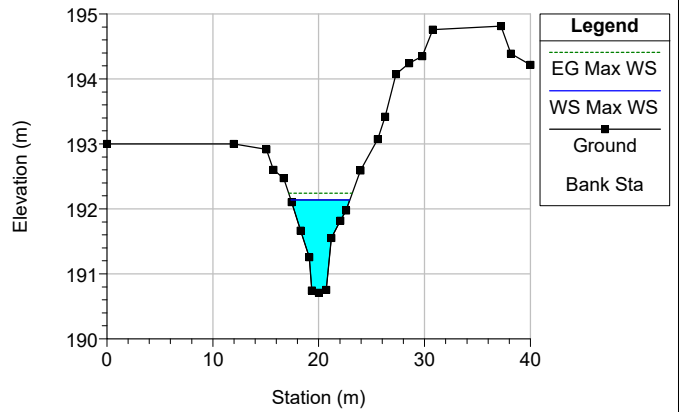
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River = Lavisotto Reach = Lavisotto VALLE RS = 126



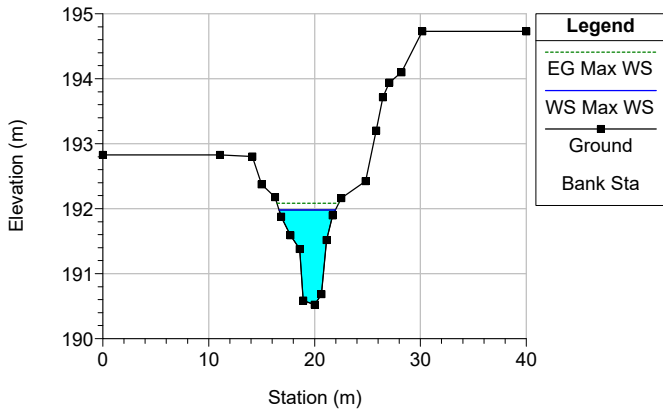
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River = Lavisotto Reach = Lavisotto VALLE RS = 125



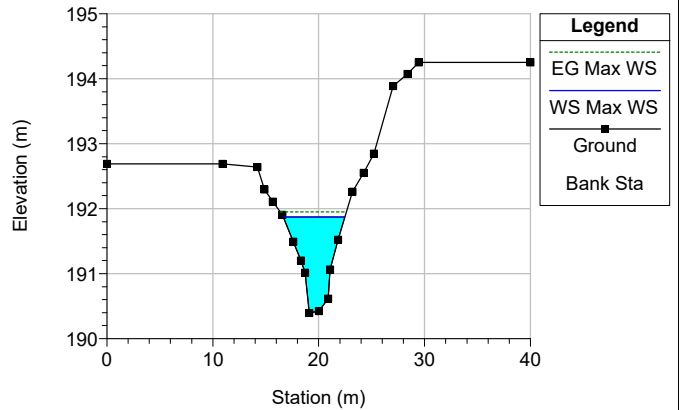
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River = Lavisotto Reach = Lavisotto VALLE RS = 124



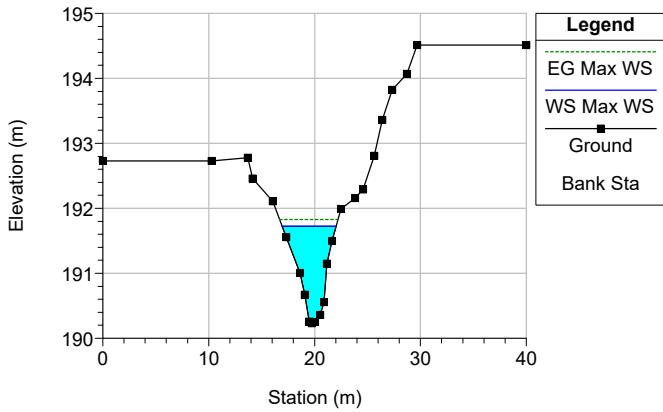
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River = Lavisotto Reach = Lavisotto VALLE RS = 123



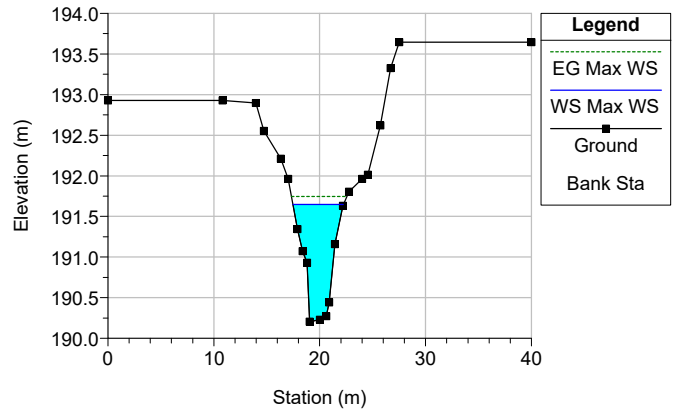
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River = Lavisotto Reach = Lavisotto VALLE RS = 122



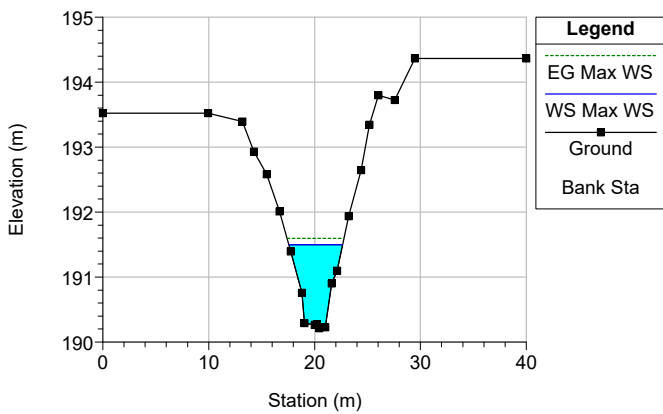
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 121



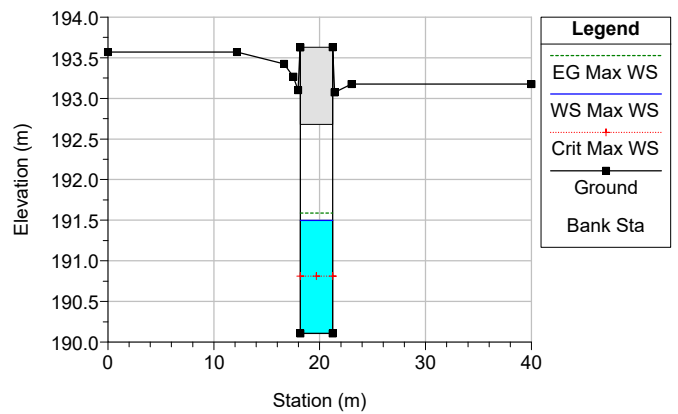
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 River = Lavisotto Reach = Lavisotto VALLE RS = 120



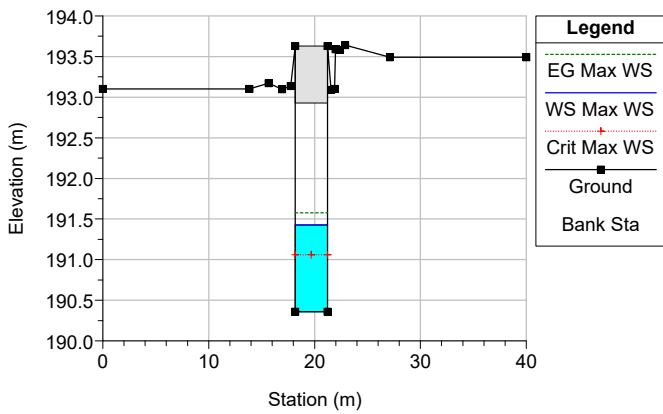
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 River = Lavisotto Reach = Lavisotto VALLE RS = 119



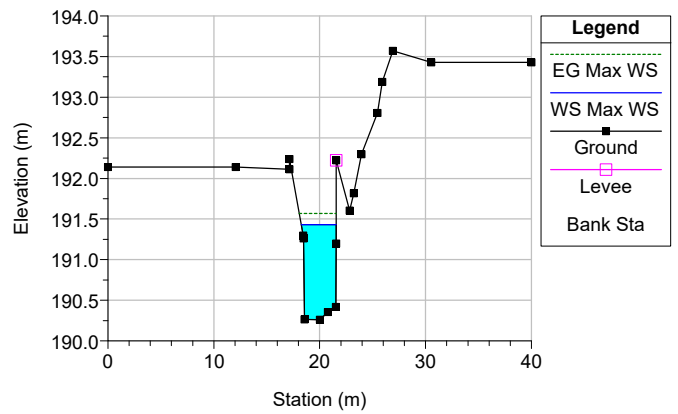
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 River = Lavisotto Reach = Lavisotto VALLE RS = 118



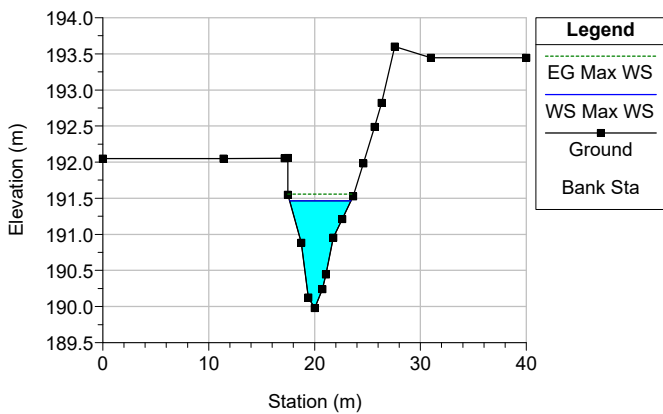
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 117



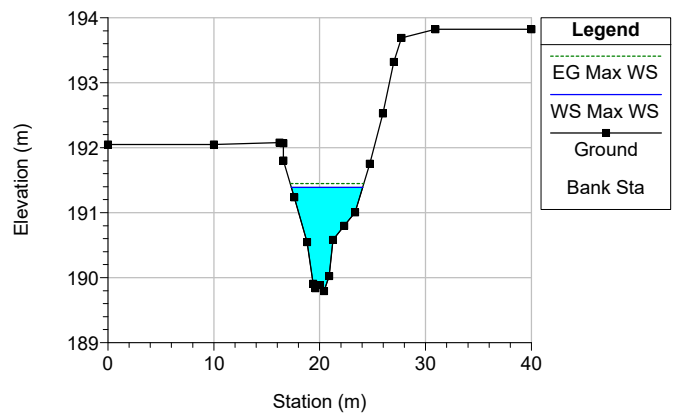
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 River = Lavisotto Reach = Lavisotto VALLE RS = 116



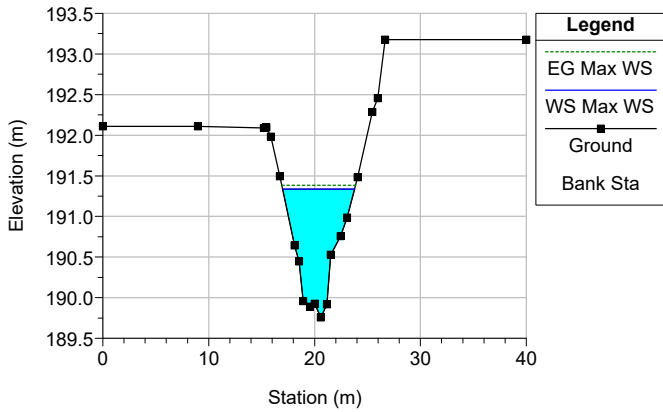
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 115



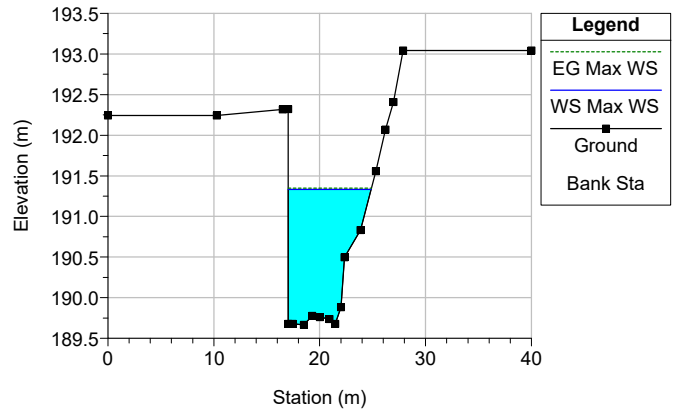
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 114



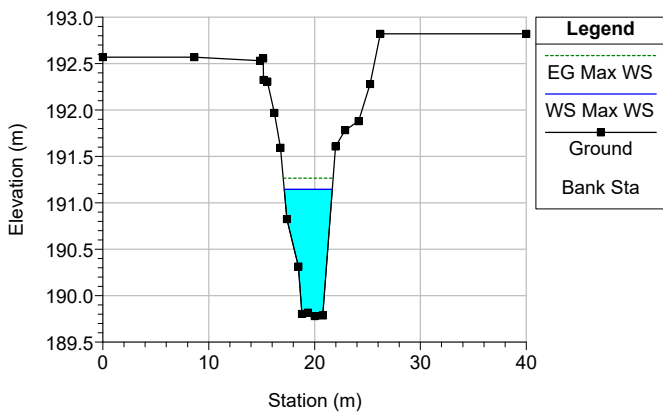
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 113



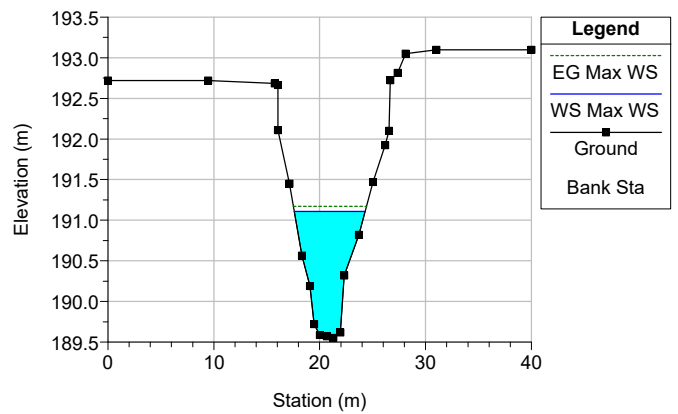
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 112



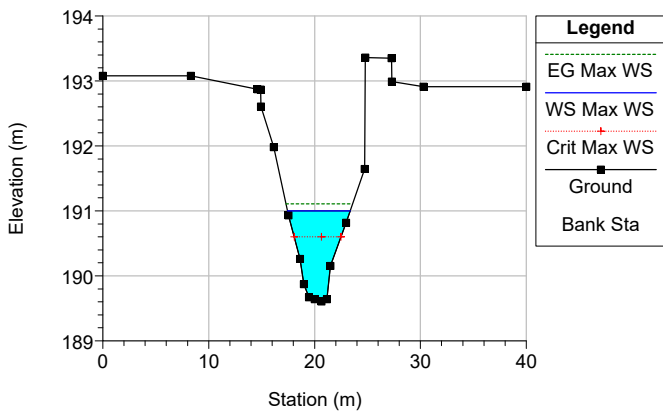
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 111



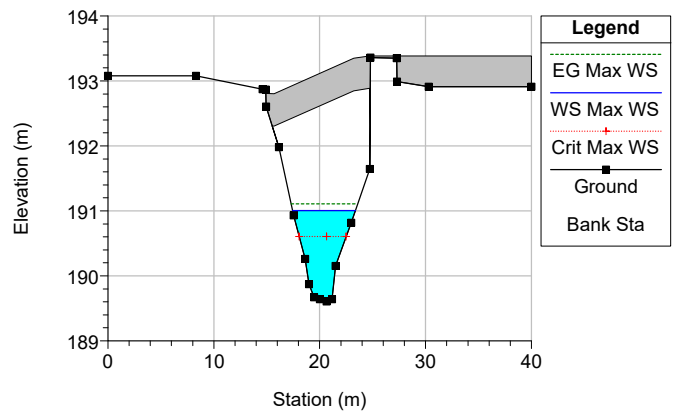
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 110



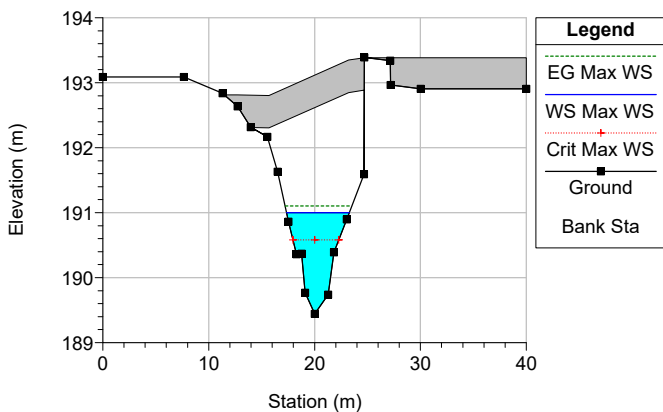
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 109



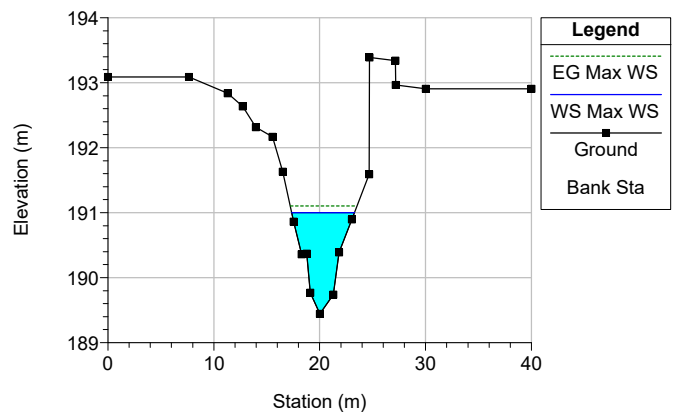
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 108.5 BR



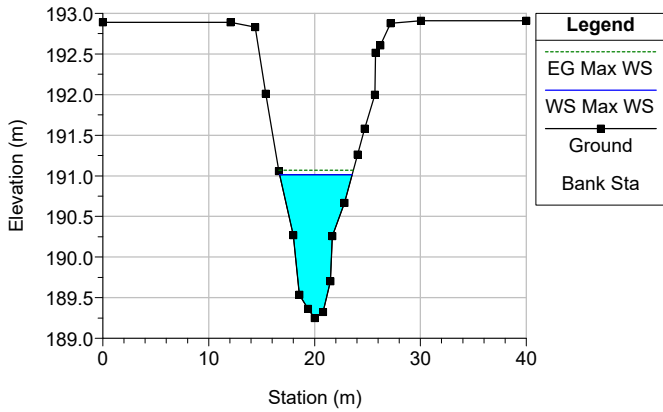
Unsteady A.O. Plan: Ante Operam (G.A.)
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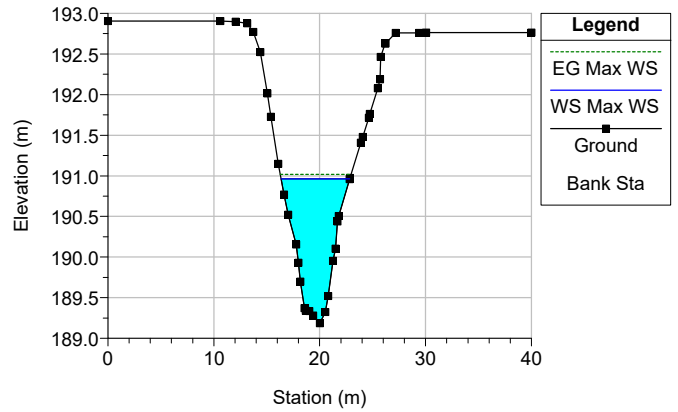
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 River = Lavisotto Reach = Lavisotto VALLE RS = 108



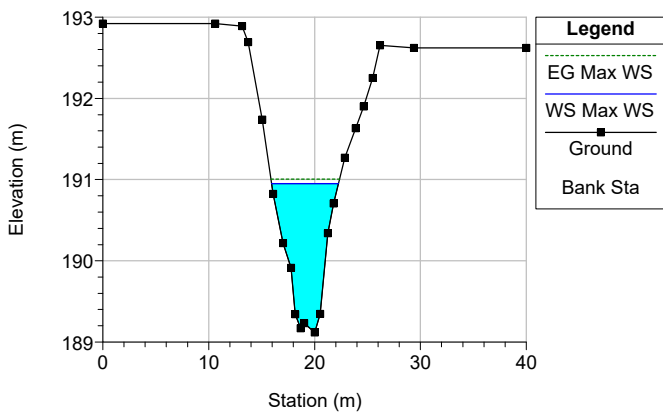
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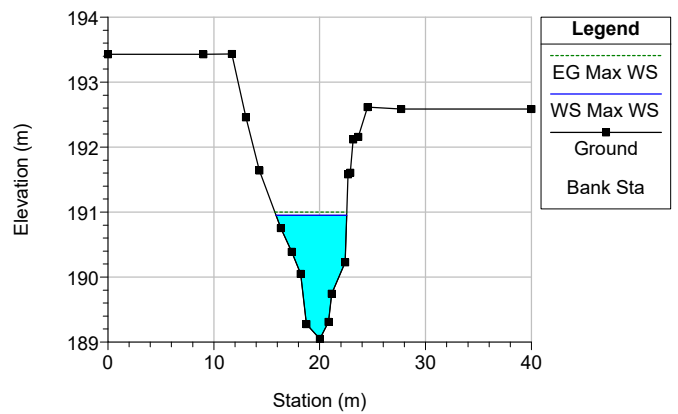
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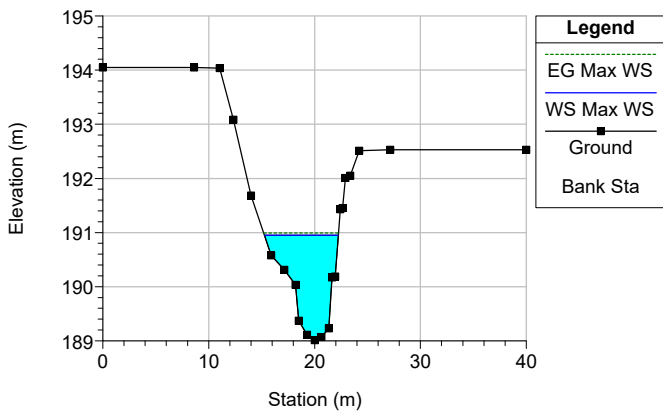
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 River = Lavisotto Reach = Lavisotto VALLE RS = 105



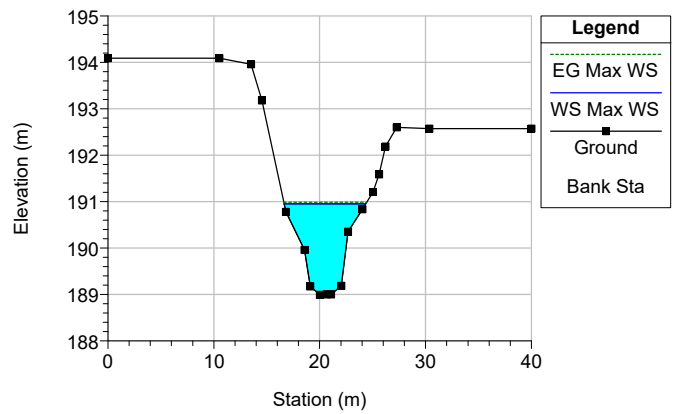
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 104



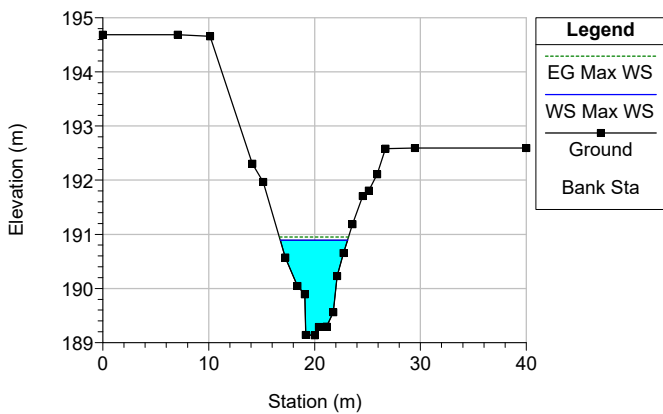
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 River = Lavisotto Reach = Lavisotto VALLE RS = 103



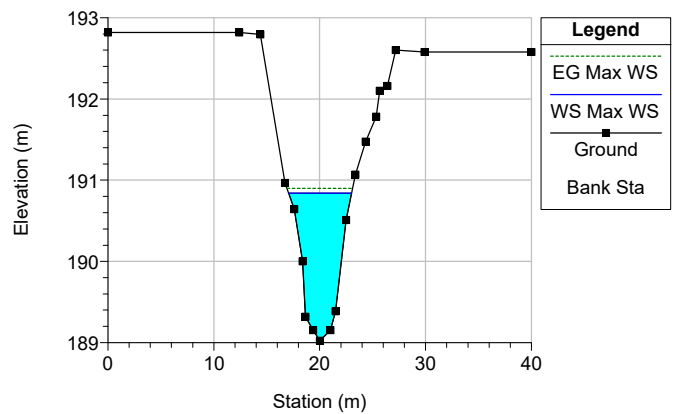
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 River = Lavisotto Reach = Lavisotto VALLE RS = 102



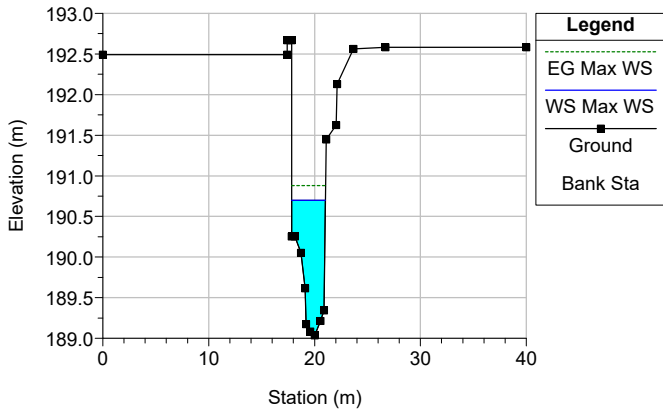
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 101



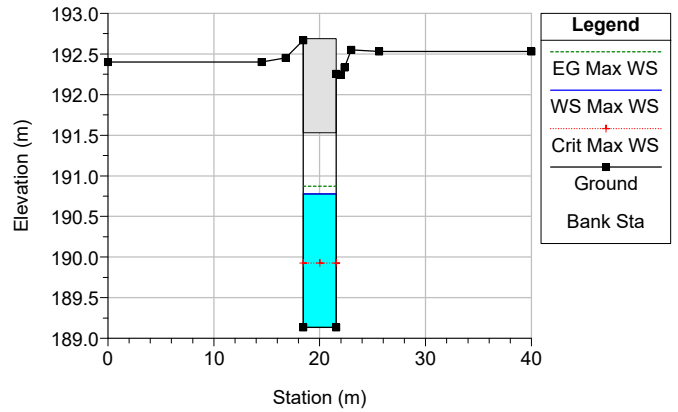
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 100



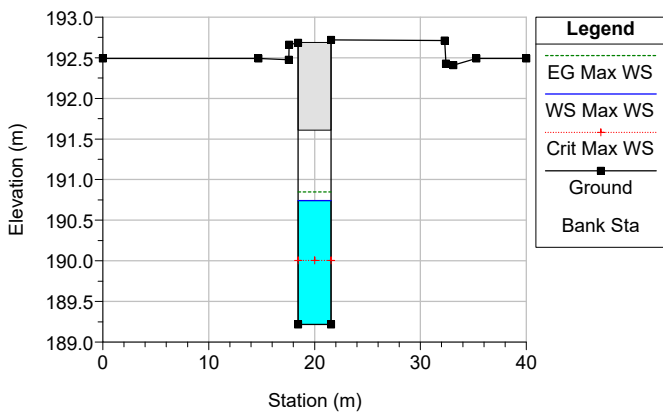
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River = Lavisotto Reach = Lavisotto VALLE RS = 99



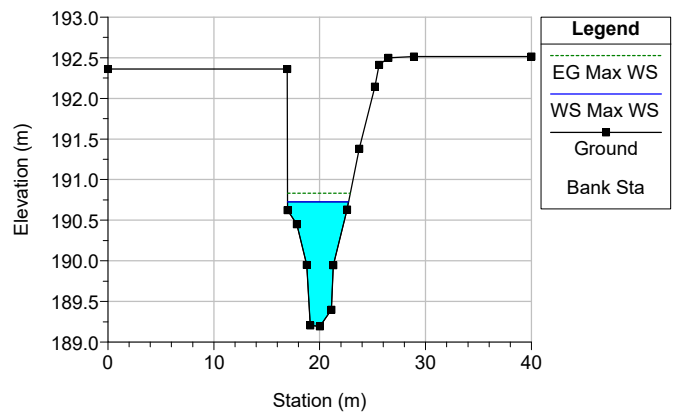
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River = Lavisotto Reach = Lavisotto VALLE RS = 98



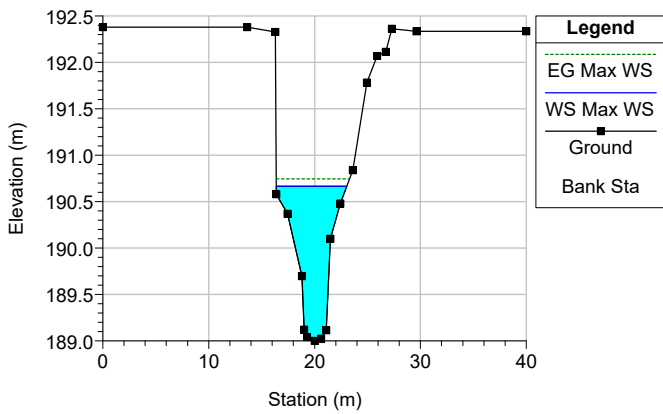
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River = Lavisotto Reach = Lavisotto VALLE RS = 97



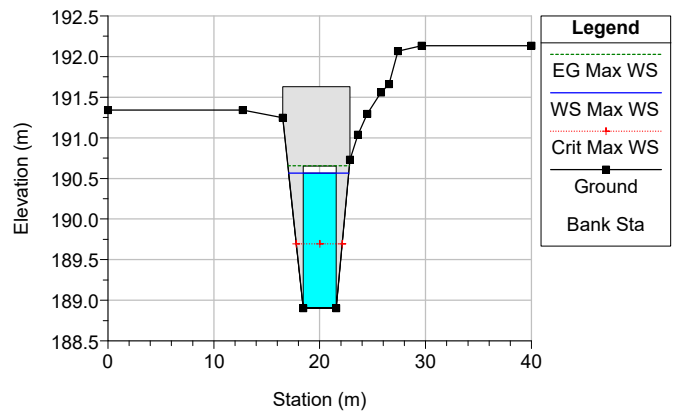
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River = Lavisotto Reach = Lavisotto VALLE RS = 96



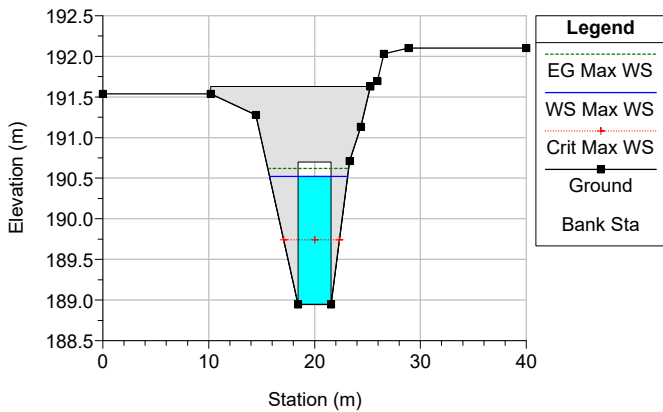
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River = Lavisotto Reach = Lavisotto VALLE RS = 95



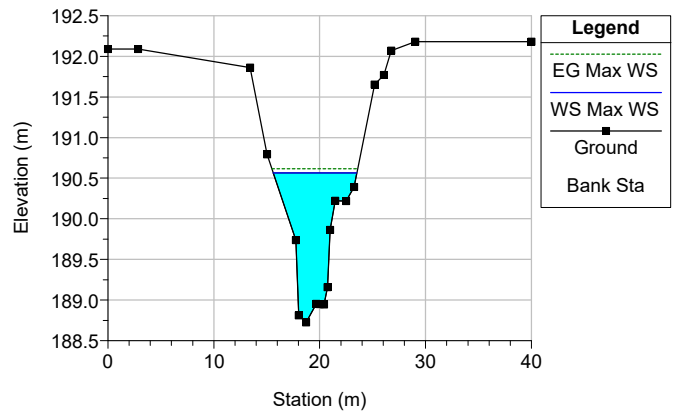
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River = Lavisotto Reach = Lavisotto VALLE RS = 94



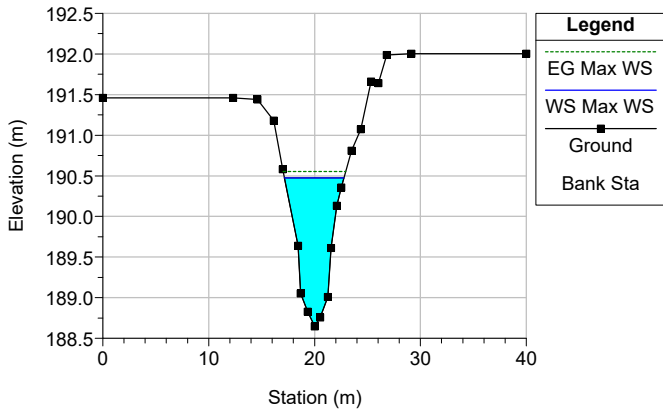
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River = Lavisotto Reach = Lavisotto VALLE RS = 93



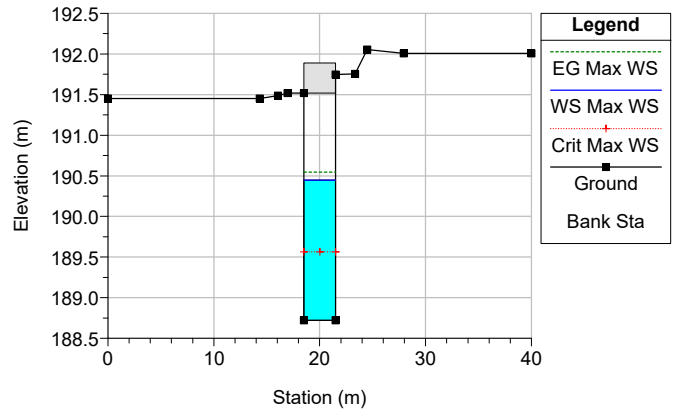
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River = Lavisotto Reach = Lavisotto VALLE RS = 92



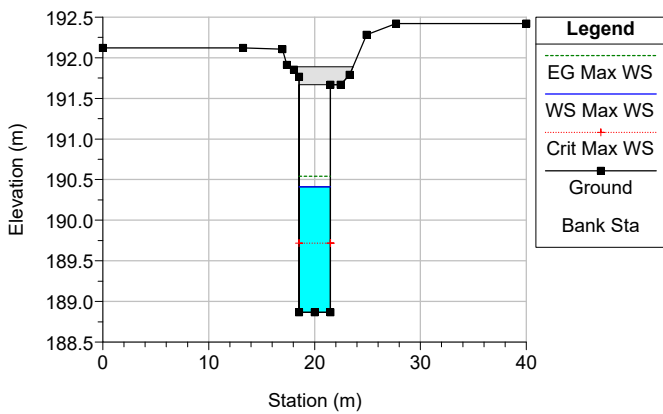
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 River = Lavisotto Reach = Lavisotto VALLE RS = 91



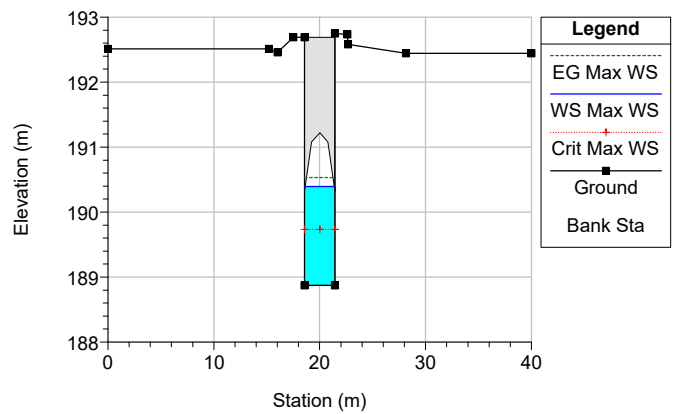
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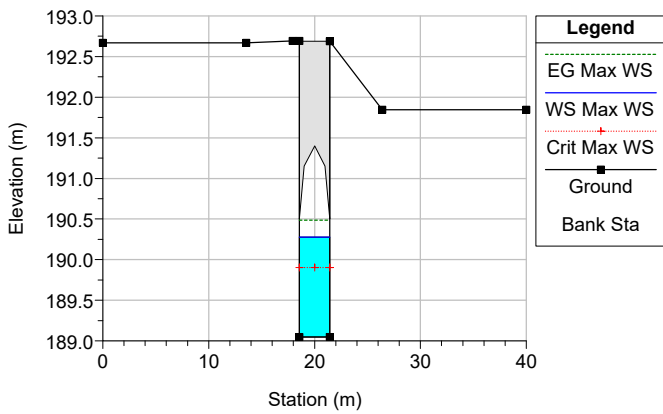
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 River = Lavisotto Reach = Lavisotto VALLE RS = 89



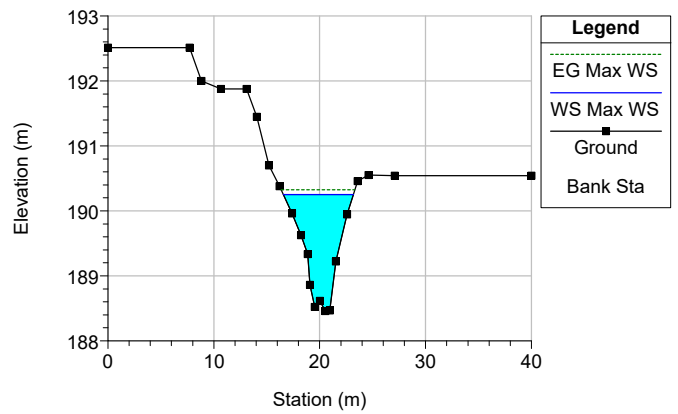
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 River = Lavisotto Reach = Lavisotto VALLE RS = 88



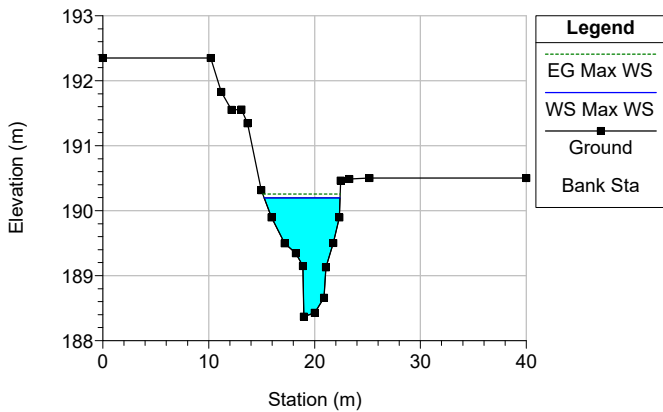
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 River = Lavisotto Reach = Lavisotto VALLE RS = 87



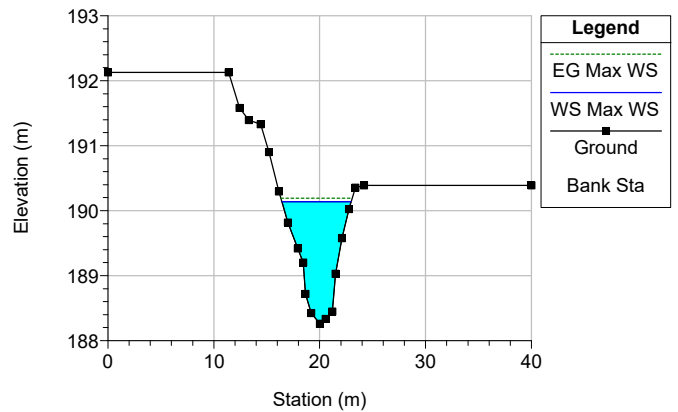
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 River = Lavisotto Reach = Lavisotto VALLE RS = 86



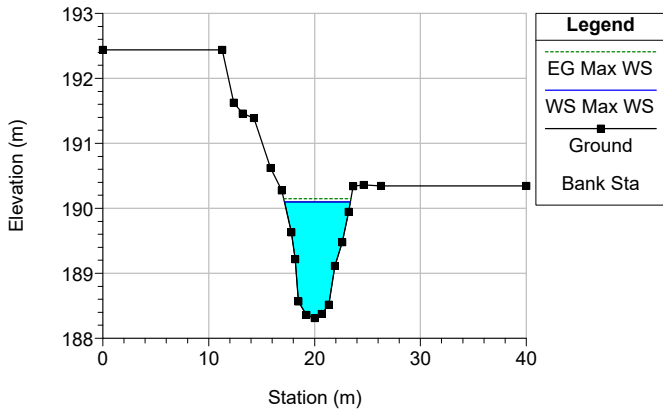
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 River = Lavisotto Reach = Lavisotto VALLE RS = 85



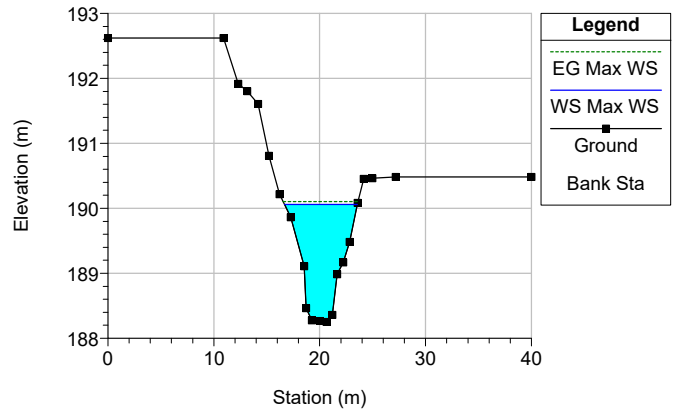
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 River = Lavisotto Reach = Lavisotto VALLE RS = 84



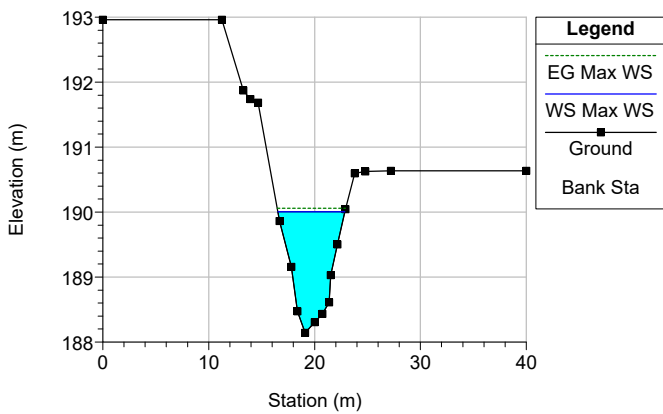
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 River = Lavisotto Reach = Lavisotto VALLE RS = 83



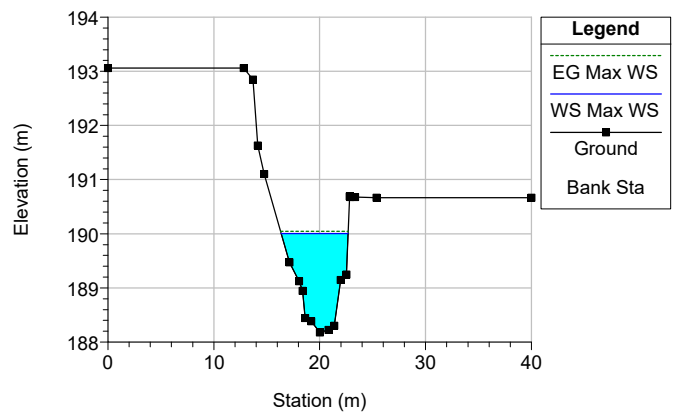
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 River = Lavisotto Reach = Lavisotto VALLE RS = 82



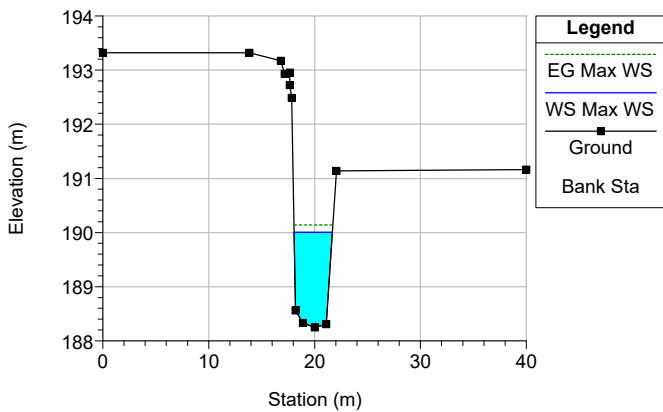
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Lavisotto Reach = Lavisotto VALLE RS = 81



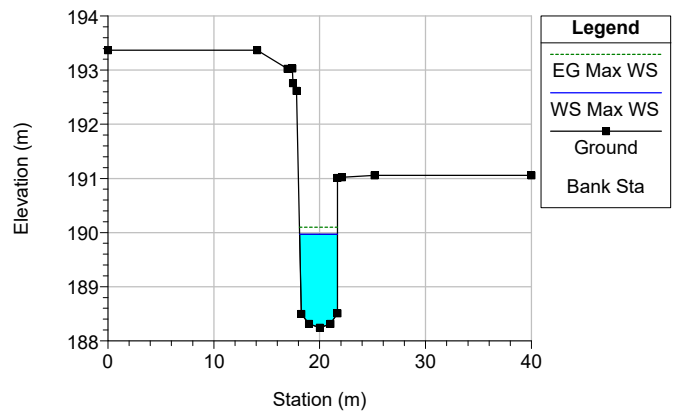
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 River = Lavisotto Reach = Lavisotto VALLE RS = 80



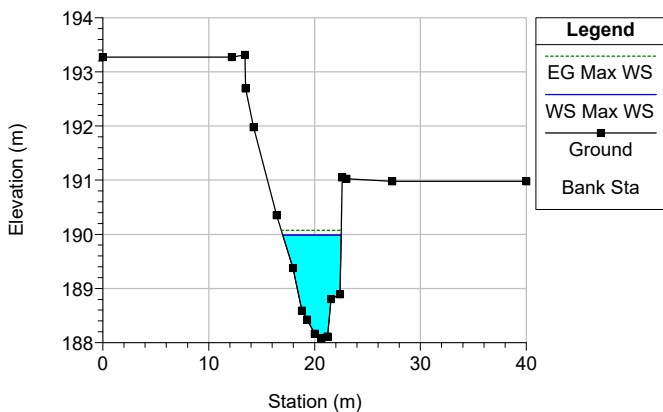
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 79



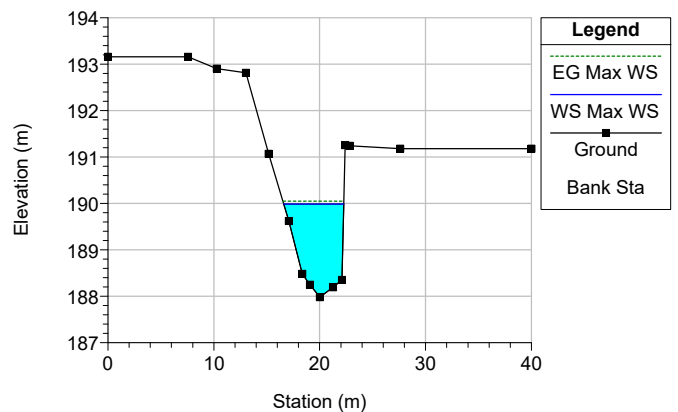
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 78



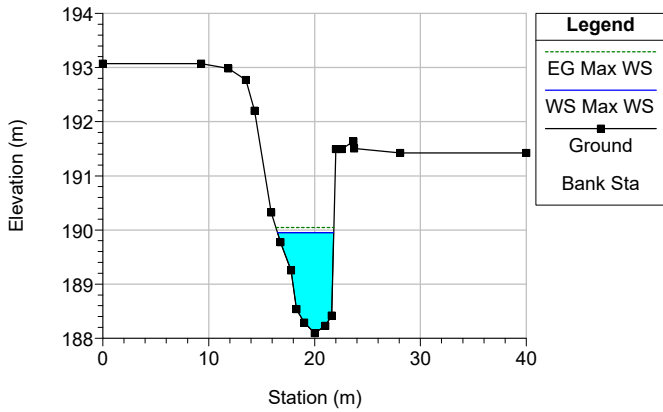
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 77



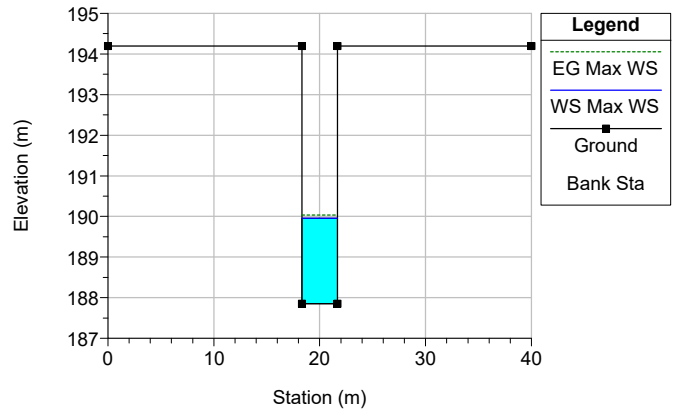
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 76



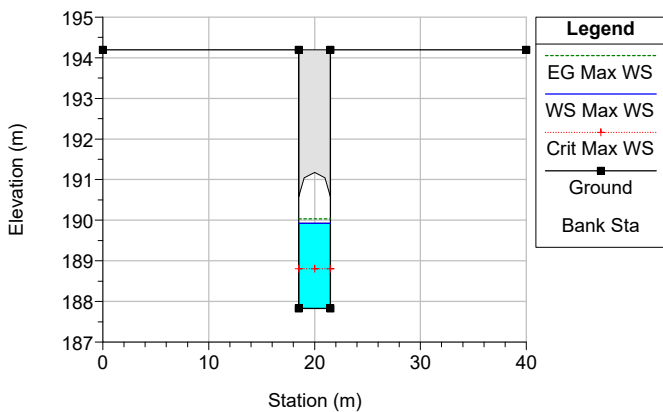
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 75



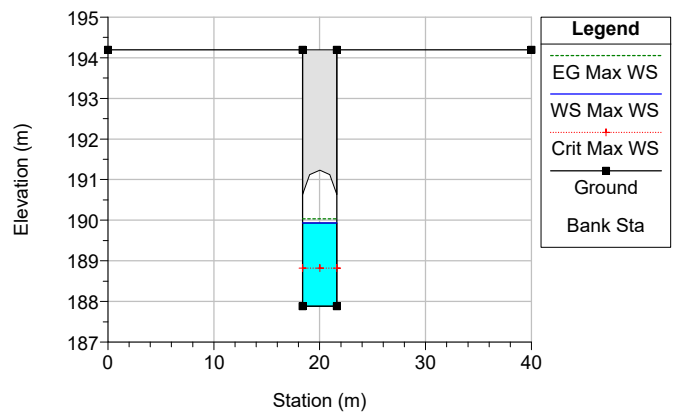
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 74



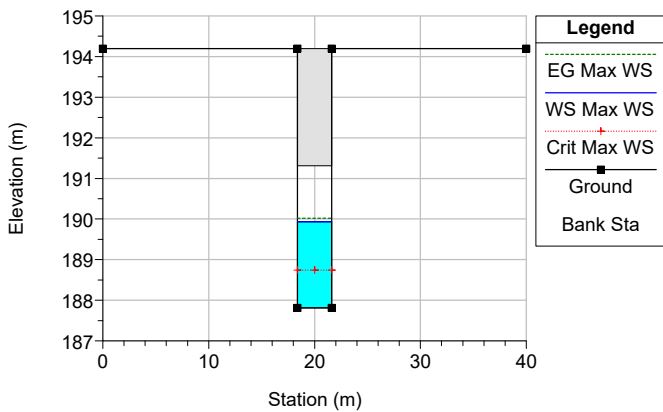
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 73



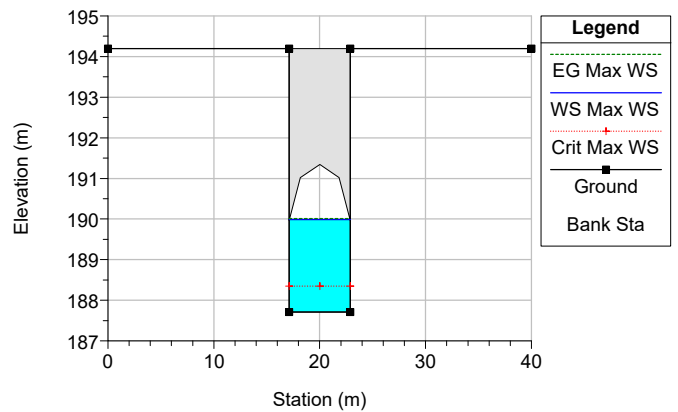
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 River = Adigetto Reach = Adigetto MONTE RS = 72



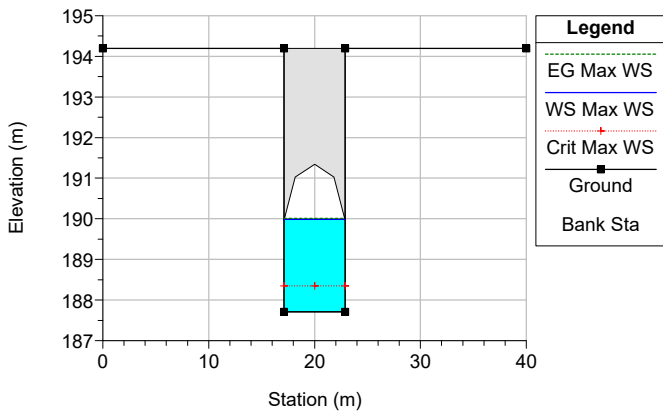
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 71



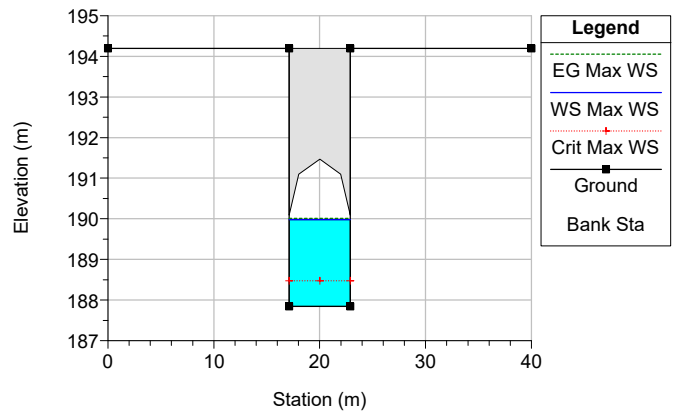
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 70



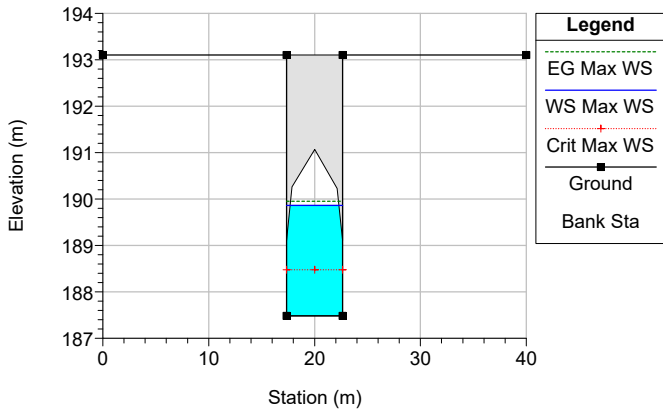
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 69



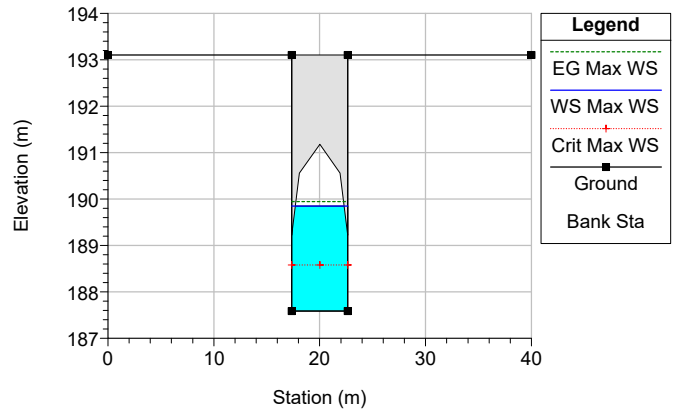
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto MONTE RS = 68



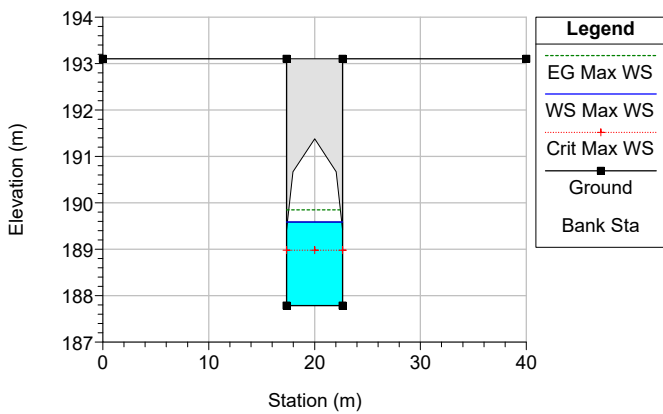
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 51



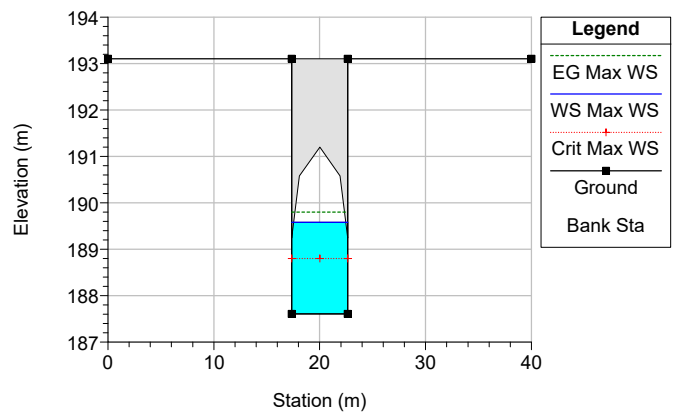
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 50



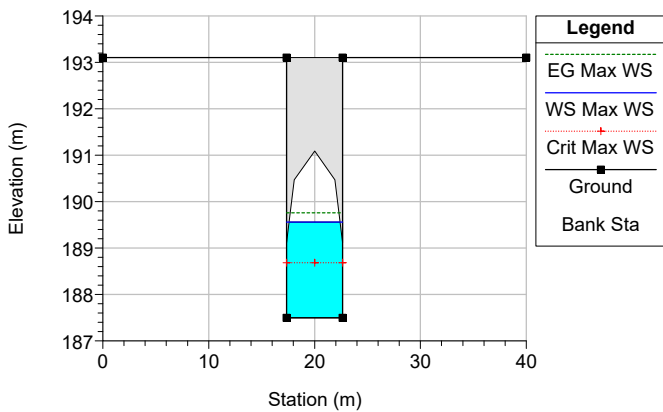
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 49



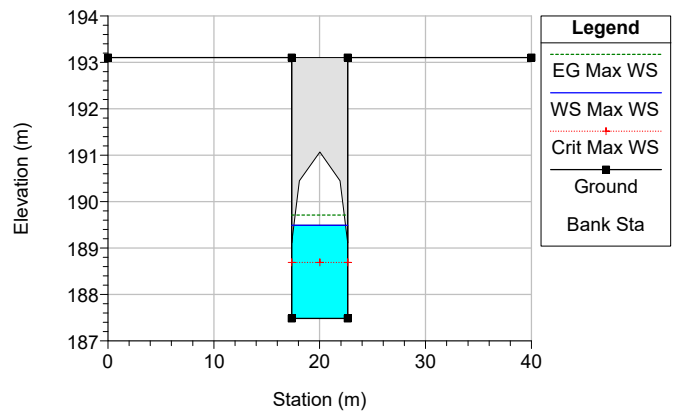
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 48



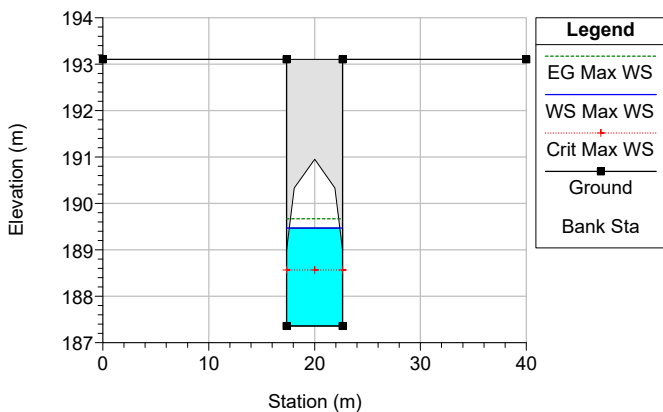
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 47



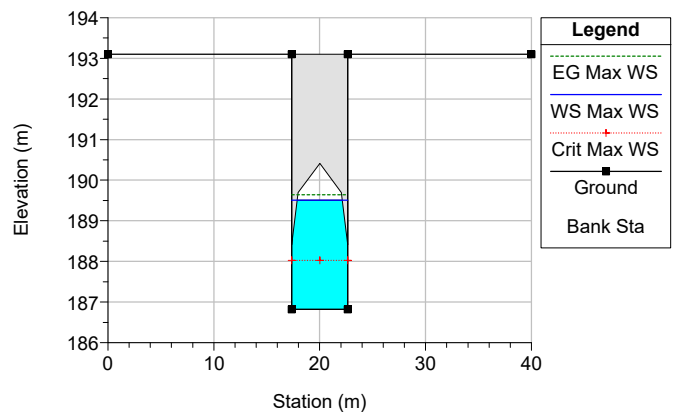
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 46



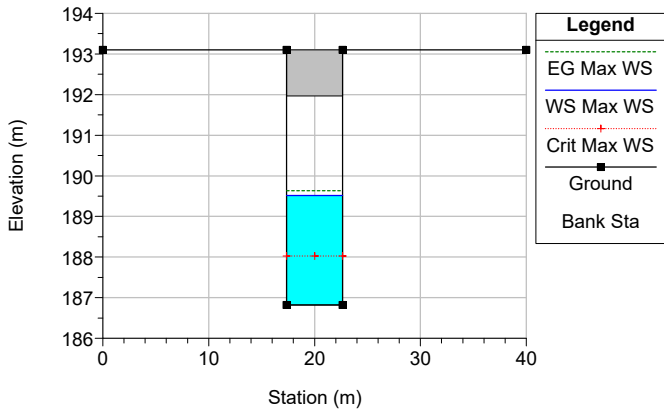
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 45



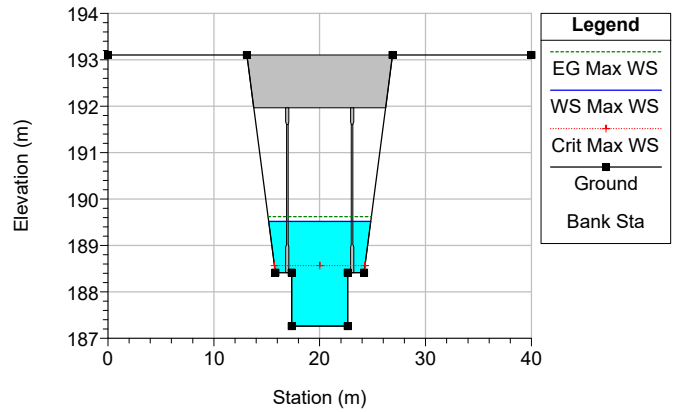
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 44



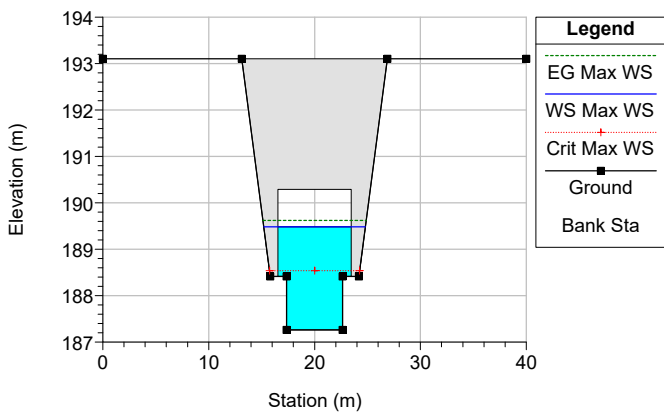
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 43.5 BR



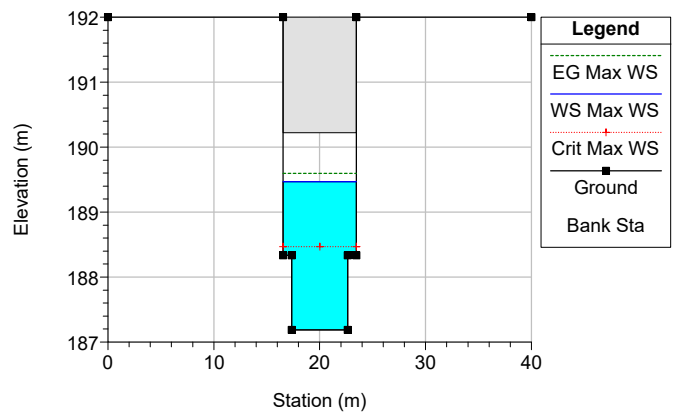
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 43.5 BR



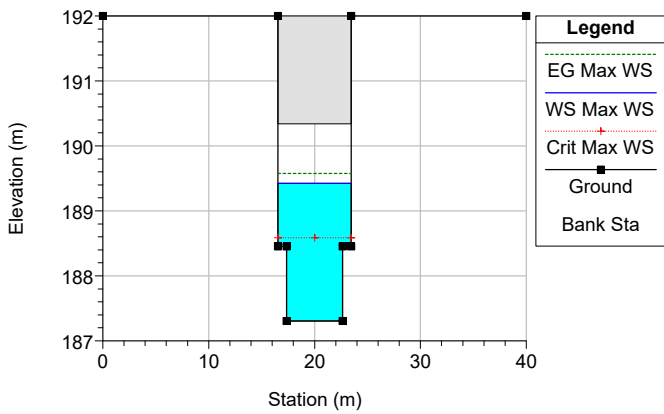
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 43



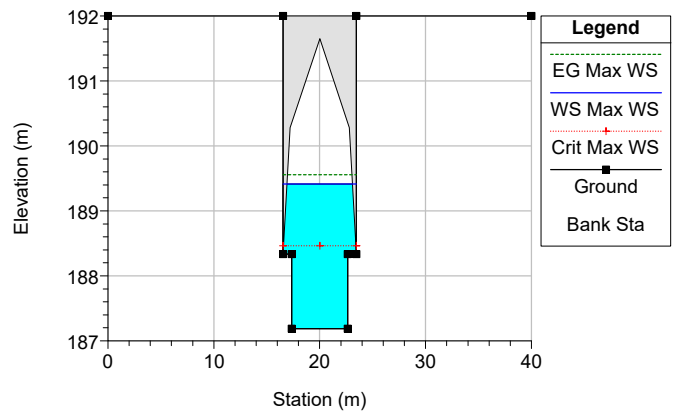
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 42



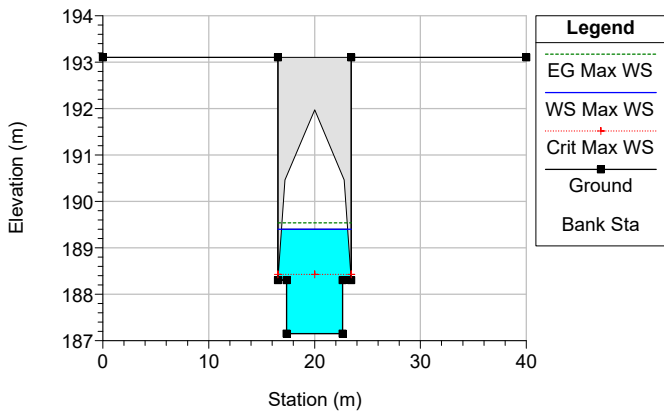
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 41



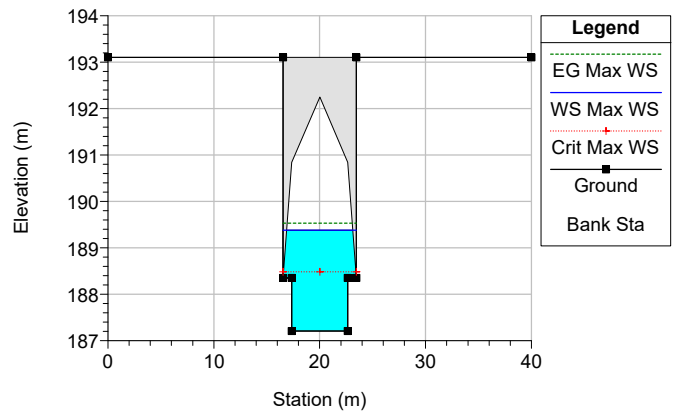
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 40



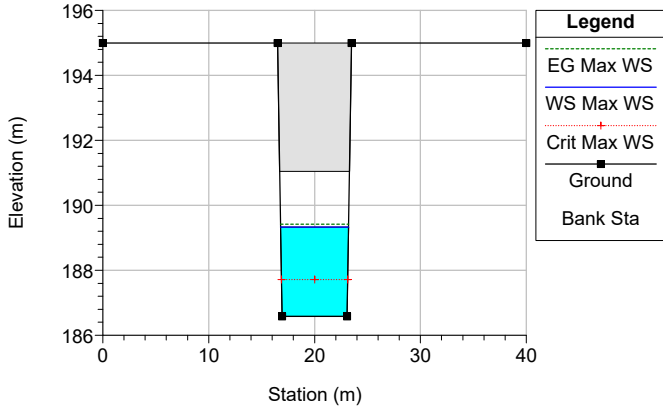
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 39



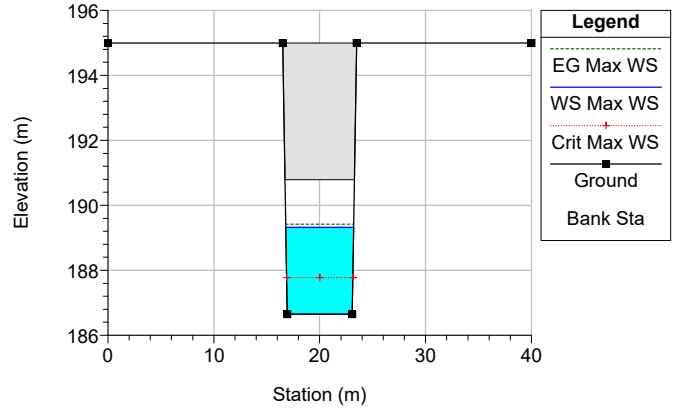
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 38



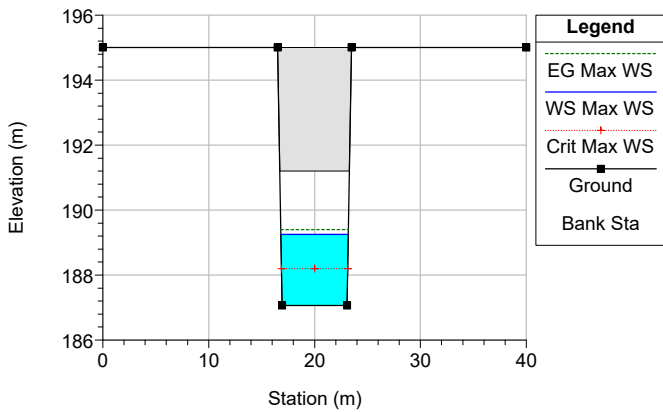
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 21



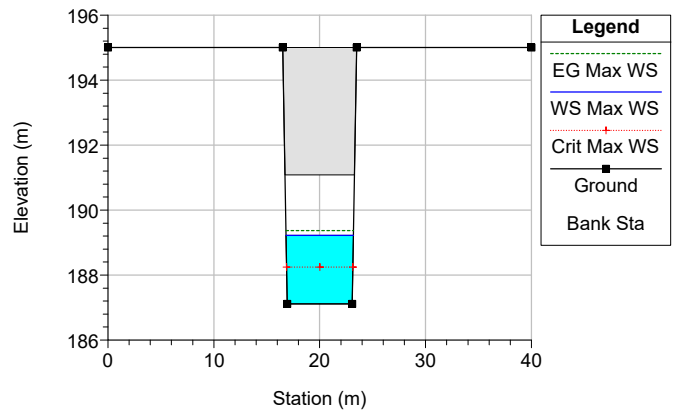
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 20



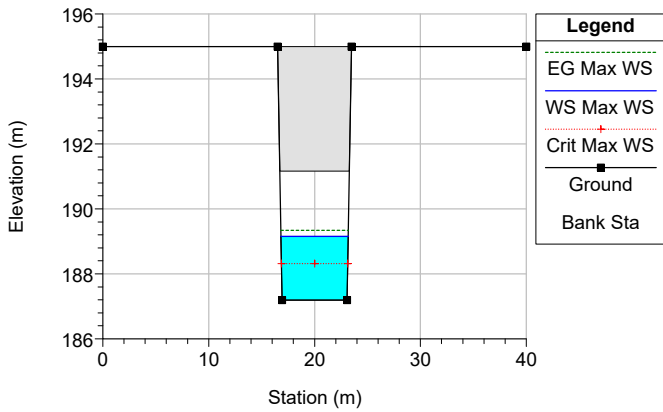
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 19



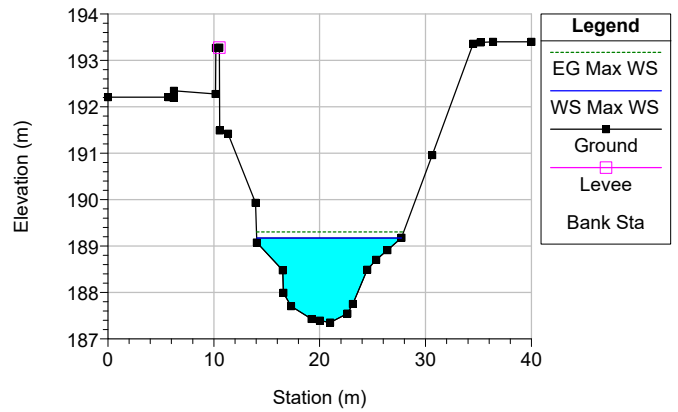
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 18



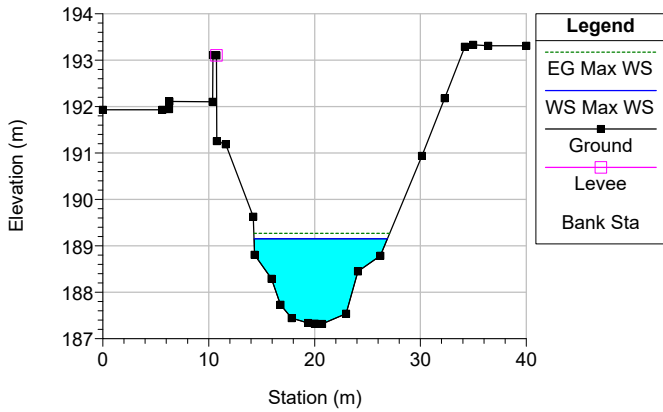
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 17



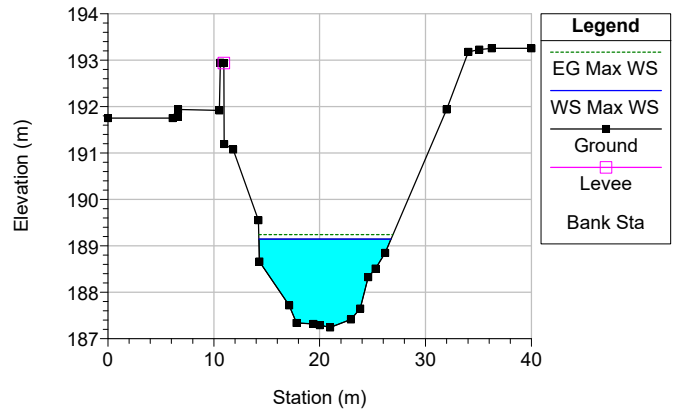
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 16



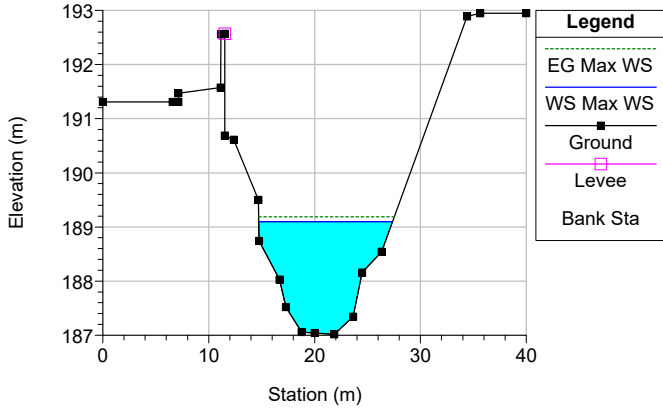
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 15



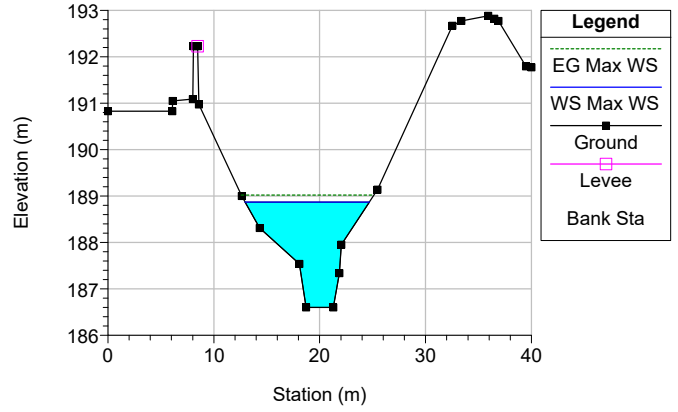
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 14



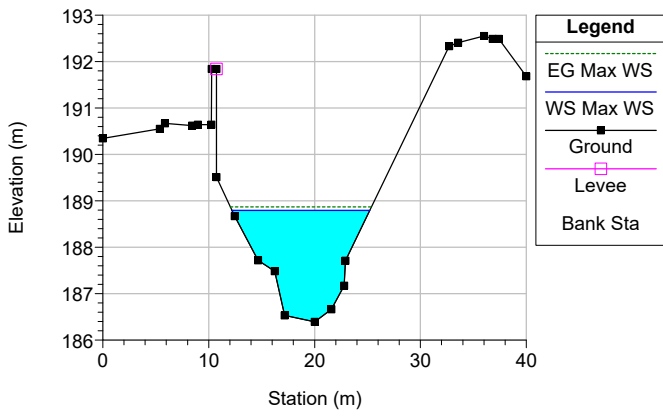
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 13



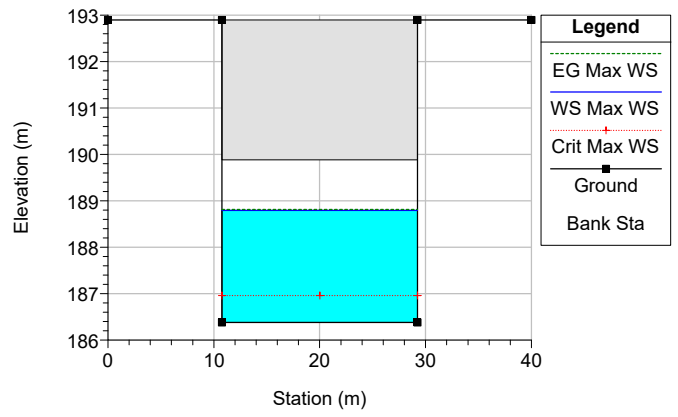
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 12



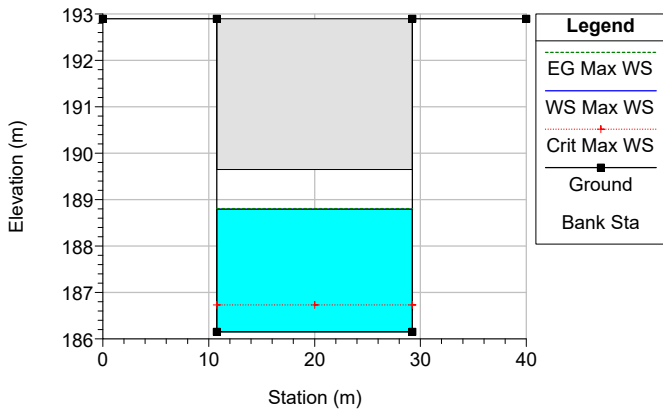
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 11



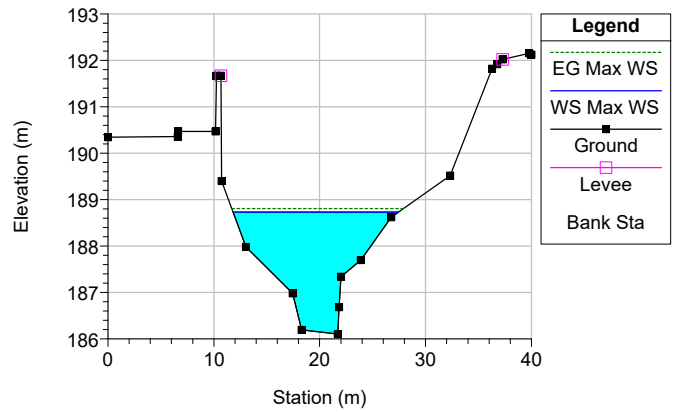
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 10



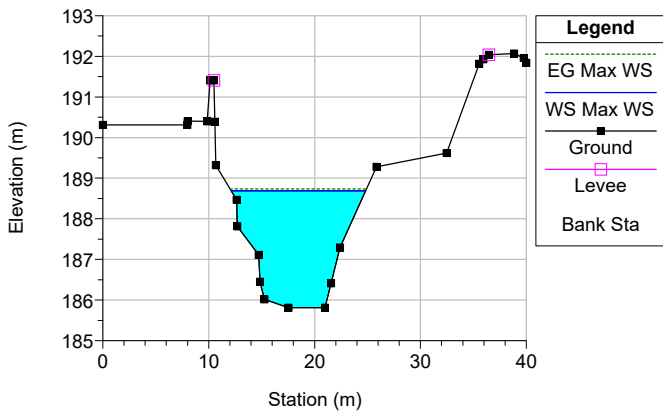
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 9



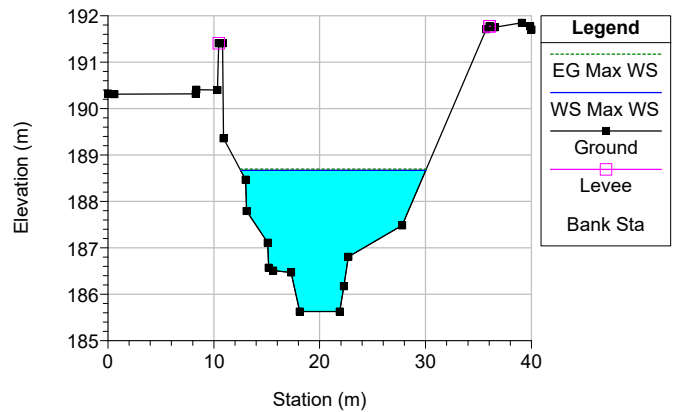
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 8



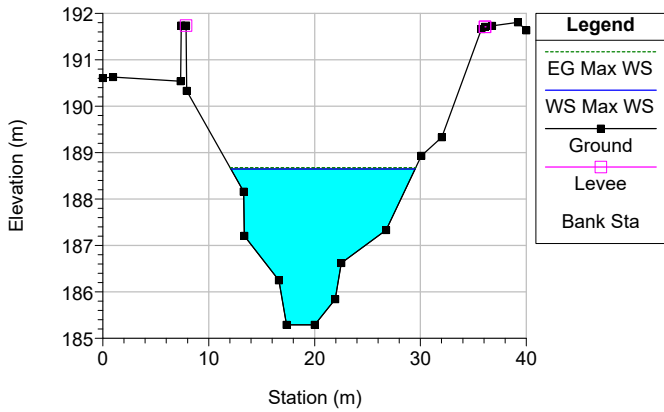
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 7



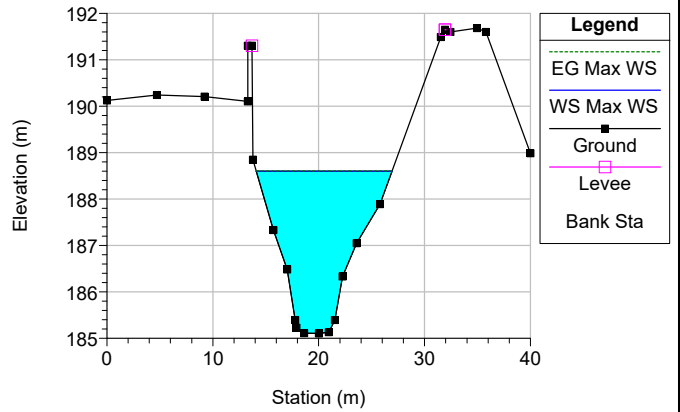
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Adigetto Reach = Adigetto VALLE RS = 6



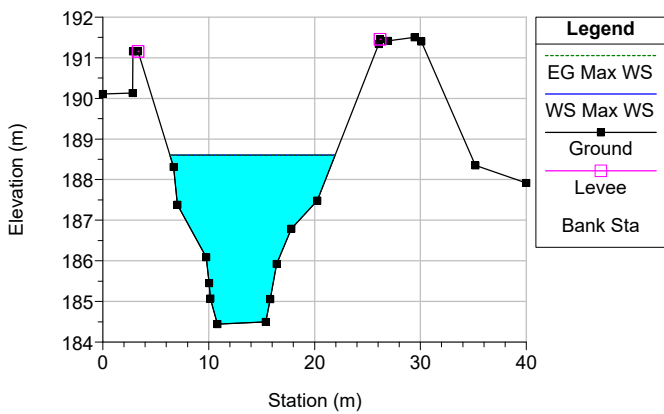
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 5



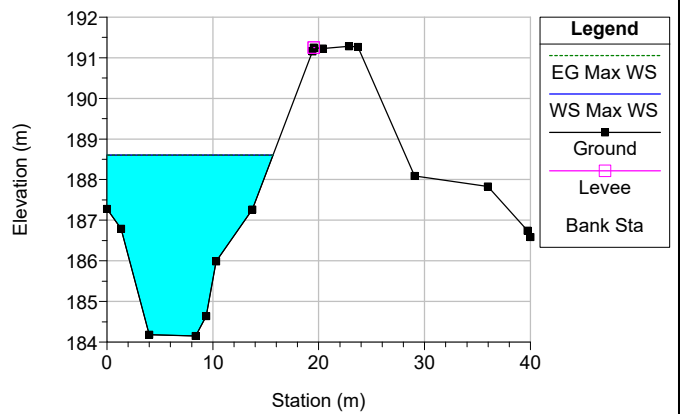
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 4



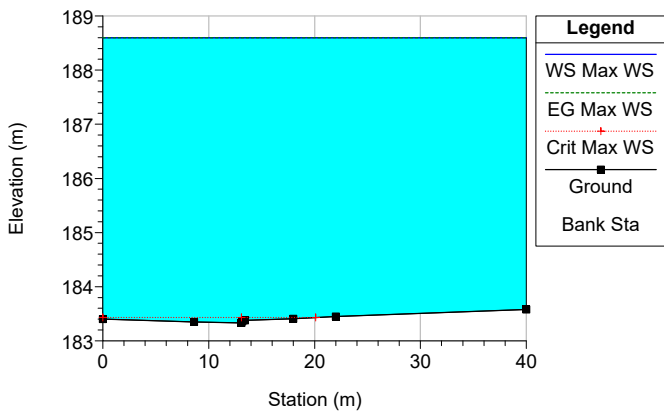
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 3



Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 2



Unsteady A.O. Plan: Ante Operam (G.A.)
River = Adigetto Reach = Adigetto VALLE RS = 1



Ante Operam Scenario 1 (Gronda Attiva) - Canale Lavisotto-Adigetto

	River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Im. Carpenedi	Lavisotto	Lavisotto VALLE	129	Max WS	5.7	191.6	192.78		192.85	0.00124	1.21	4.69	7.37	0.49
	Lavisotto	Lavisotto VALLE	128	Max WS	5.7	191.43	192.74		192.82	0.000971	1.26	4.54	5.33	0.43
	Lavisotto	Lavisotto VALLE	127	Max WS	5.7	191.21	192.6		192.7	0.001332	1.4	4.06	4.9	0.49
	Lavisotto	Lavisotto VALLE	126	Max WS	5.69	191.04	192.48		192.57	0.001342	1.33	4.27	5.71	0.49
	Lavisotto	Lavisotto VALLE	125	Max WS	5.69	190.96	192.31		192.41	0.001871	1.46	3.9	5.76	0.57
	Lavisotto	Lavisotto VALLE	124	Max WS	5.68	190.71	192.14		192.24	0.001623	1.43	3.97	5.55	0.54
	Lavisotto	Lavisotto VALLE	123	Max WS	5.68	190.52	191.98		192.08	0.001565	1.42	3.99	5.31	0.52
	Lavisotto	Lavisotto VALLE	122	Max WS	5.65	190.39	191.87		191.95	0.001061	1.24	4.56	5.82	0.45
	Lavisotto	Lavisotto VALLE	121	Max WS	5.65	190.23	191.73		191.83	0.001429	1.42	3.99	5.1	0.51
	Lavisotto	Lavisotto VALLE	120	Max WS	5.65	190.21	191.65		191.75	0.001345	1.4	4.03	4.77	0.49
	Lavisotto	Lavisotto VALLE	119	Max WS	5.64	190.21	191.5		191.6	0.001307	1.39	4.06	5.07	0.5
	Lavisotto	Lavisotto VALLE	118	Max WS	5.64	190.11	191.5	190.81	191.59	0.00061	1.33	4.24	3.05	0.36
	Lavisotto	Lavisotto VALLE	117	Max WS	5.64	190.36	191.42	191.06	191.58	0.001258	1.73	3.25	3.05	0.54
	Lavisotto	Lavisotto VALLE	116	Max WS	5.64	190.26	191.43		191.57	0.00191	1.64	3.43	3.3	0.52
	Lavisotto	Lavisotto VALLE	115	Max WS	5.64	189.98	191.46		191.56	0.001408	1.37	4.13	5.8	0.52
Lavisotto	Lavisotto VALLE	114	Max WS	5.63	189.79	191.39		191.45	0.000721	1.05	5.37	6.73	0.38	
Lavisotto	Lavisotto VALLE	113	Max WS	5.62	189.76	191.34		191.38	0.000527	0.95	5.91	6.8	0.33	
Im. Canova	Lavisotto	Lavisotto VALLE	112	Max WS	5.61	189.67	191.33		191.35	0.000142	0.58	9.66	7.83	0.17
	Lavisotto	Lavisotto VALLE	111	Max WS	6.56	189.78	191.15		191.26	0.001398	1.53	4.3	4.54	0.5
	Lavisotto	Lavisotto VALLE	110	Max WS	6.96	189.55	191.11		191.17	0.00068	1.12	6.21	6.71	0.37
	Lavisotto	Lavisotto VALLE	109	Max WS	6.96	189.61	191	190.6	191.11	0.001278	1.43	4.87	5.94	0.5
	Lavisotto	Lavisotto VALLE	108.5		Bridge									
	Lavisotto	Lavisotto VALLE	108	Max WS	6.96	189.44	191		191.1	0.001276	1.41	4.92	5.91	0.49
	Lavisotto	Lavisotto VALLE	107	Max WS	6.95	189.25	191.01		191.07	0.000521	1.02	6.82	6.84	0.33
	Lavisotto	Lavisotto VALLE	106	Max WS	6.95	189.19	190.96		191.02	0.000564	1.07	6.52	6.47	0.34
	Lavisotto	Lavisotto VALLE	105	Max WS	6.95	189.12	190.95		191	0.000489	1.02	6.8	6.32	0.31
	Lavisotto	Lavisotto VALLE	104	Max WS	6.94	189.05	190.95		191	0.000446	0.96	7.2	6.69	0.3
	Lavisotto	Lavisotto VALLE	103	Max WS	6.94	189.01	190.95		190.99	0.000368	0.88	7.85	6.98	0.27
	Lavisotto	Lavisotto VALLE	102	Max WS	6.94	188.99	190.96		190.99	0.000278	0.8	8.66	7.71	0.24
	Lavisotto	Lavisotto VALLE	101	Max WS	6.93	189.13	190.89		190.95	0.000623	1.08	6.41	6.35	0.34
	Lavisotto	Lavisotto VALLE	100	Max WS	6.93	189.02	190.84		190.9	0.000526	1.06	6.54	5.94	0.32
	Lavisotto	Lavisotto VALLE	99	Max WS	6.86	189.04	190.7		190.88	0.002455	1.88	3.65	3.2	0.56
	Lavisotto	Lavisotto VALLE	98	Max WS	6.92	189.13	190.78	189.93	190.87	0.000551	1.35	5.13	3.12	0.34
	Lavisotto	Lavisotto VALLE	97	Max WS	6.86	189.22	190.74	190	190.85	0.000661	1.44	4.76	3.12	0.37
	Lavisotto	Lavisotto VALLE	96	Max WS	6.86	189.2	190.73		190.83	0.001435	1.45	4.74	5.76	0.51
	Lavisotto	Lavisotto VALLE	95	Max WS	6.86	189	190.67		190.74	0.001006	1.23	5.57	6.67	0.43
	Lavisotto	Lavisotto VALLE	94	Max WS	6.86	188.9	190.56	189.69	190.65	0.000534	1.33	5.16	3.1	0.33
Lavisotto	Lavisotto VALLE	93	Max WS	6.86	188.95	190.52	189.74	190.62	0.000619	1.41	4.88	3.1	0.36	
Im. Campot. I	Lavisotto	Lavisotto VALLE	92	Max WS	6.86	188.72	190.56		190.61	0.000599	0.99	6.93	7.9	0.34
	Lavisotto	Lavisotto VALLE	91	Max WS	7.25	188.65	190.47		190.55	0.000796	1.24	5.83	5.62	0.39
	Lavisotto	Lavisotto VALLE	90	Max WS	7.25	188.72	190.45	189.56	190.55	0.000591	1.4	5.18	3	0.34
	Lavisotto	Lavisotto VALLE	89	Max WS	7.25	188.87	190.41	189.72	190.54	0.000817	1.58	4.58	2.97	0.41
	Lavisotto	Lavisotto VALLE	88	Max WS	7.25	188.87	190.39	189.74	190.53	0.000931	1.65	4.38	2.75	0.43
	Lavisotto	Lavisotto VALLE	87	Max WS	7.17	189.05	190.28	189.9	190.48	0.0016	2.03	3.54	2.88	0.58
	Lavisotto	Lavisotto VALLE	86	Max WS	7.17	188.46	190.25		190.32	0.000822	1.19	6.01	6.61	0.4
	Lavisotto	Lavisotto VALLE	85	Max WS	7.16	188.37	190.2		190.25	0.000651	1.06	6.73	7.16	0.35
	Lavisotto	Lavisotto VALLE	84	Max WS	7.06	188.26	190.14		190.19	0.000515	1.03	6.84	6.53	0.32
	Lavisotto	Lavisotto VALLE	83	Max WS	7.05	188.31	190.1		190.15	0.000415	0.98	7.19	6.22	0.29
Lavisotto	Lavisotto VALLE	82	Max WS	7.05	188.25	190.06		190.11	0.000453	0.97	7.24	6.89	0.3	

Ante Operam Scenario 1 (Gronda Attiva) - Canale Lavisotto-Adigetto

	River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
	Lavisotto	Lavisotto VALLE	81	Max WS	7.04	188.15	190.01		190.06	0.000443	1	7.05	6.32	0.3
	Lavisotto	Lavisotto VALLE	80	Max WS	7.04	188.18	190		190.05	0.000385	0.94	7.5	6.33	0.28
	Adigetto	Adigetto MONTE	79	Max WS	9.05	188.25	190		190.14	0.001281	1.65	5.49	3.63	0.43
	Adigetto	Adigetto MONTE	78	Max WS	9.04	188.24	189.97		190.1	0.001178	1.59	5.7	3.57	0.4
	Adigetto	Adigetto MONTE	77	Max WS	9.04	188.08	189.99		190.08	0.000772	1.31	6.9	5.52	0.37
	Adigetto	Adigetto MONTE	76	Max WS	9.04	187.98	189.99		190.05	0.000461	1.11	8.17	5.67	0.29
	Adigetto	Adigetto MONTE	75	Max WS	9.14	188.09	189.95		190.04	0.000799	1.35	6.79	5.31	0.38
	Adigetto	Adigetto MONTE	74	Max WS	9.14	187.85	189.95		190.04	0.000725	1.29	7.1	3.38	0.28
	Adigetto	Adigetto MONTE	73	Max WS	9.14	187.83	189.93	188.81	190.03	0.000988	1.44	6.34	3.02	0.32
	Adigetto	Adigetto MONTE	72	Max WS	9.14	187.88	189.93	188.82	190.03	0.000498	1.39	6.59	3.21	0.31
	Adigetto	Adigetto MONTE	71	Max WS	9.14	187.81	189.93	188.74	190.02	0.000439	1.32	6.91	3.26	0.29
	Adigetto	Adigetto MONTE	70	Max WS	9.14	187.71	189.99	188.34	190.01	0.000079	0.7	13.13	5.72	0.15
	Adigetto	Adigetto MONTE	69	Max WS	9.14	187.71	189.99	188.35	190.01	0.000079	0.7	13.13	5.72	0.15
	Adigetto	Adigetto MONTE	68	Max WS	9.14	187.84	189.98	188.48	190.01	0.000094	0.74	12.34	5.77	0.16
	Adigetto	Adigetto MONTE	67	Max WS	9.14	187.92	189.97	188.56	190.01	0.000105	0.77	11.83	5.77	0.17
	Adigetto	Adigetto MONTE	66	Max WS	9.13	187.74	189.98	188.37	190	0.000085	0.71	12.87	5.46	0.15
	Adigetto	Adigetto MONTE	65	Max WS	9.13	187.73	189.97	188.36	190	0.00008	0.7	13.11	5.6	0.15
	Adigetto	Adigetto MONTE	64	Max WS	9.13	187.51	189.97	188.14	189.99	0.000066	0.65	14.13	5.26	0.13
	Adigetto	Adigetto MONTE	63	Max WS	9.13	187.77	189.98	188.3	189.99	0.000061	0.57	16.1	7.03	0.12
	Adigetto	Adigetto MONTE	62	Max WS	9.13	187.77	189.98	188.31	189.99	0.000061	0.57	16.07	7.05	0.12
Im. Bettine	Adigetto	Adigetto MONTE	61	Max WS	9.13	187.79	189.96	188.54	189.99	0.000145	0.83	10.95	6	0.2
	Adigetto	Adigetto MONTE	60	Max WS	9.13	187.71	189.96	188.5	189.99	0.000145	0.83	11.01	6	0.2
	Adigetto	Adigetto MONTE	59	Max WS	9.12	187.63	189.95	188.42	189.98	0.000129	0.8	11.46	6	0.18
	Adigetto	Adigetto MONTE	58	Max WS	9.12	187.39	189.96	188.18	189.98	0.000092	0.71	12.93	6	0.15
	Adigetto	Adigetto MONTE	57	Max WS	9.12	187.38	189.96	188.17	189.98	0.000091	0.7	12.99	6	0.15
Im. Malvasia	Adigetto	Adigetto VALLE	56	Max WS	16.47	187.37	189.96	188.44	190.03	0.000243	1.19	13.78	6	0.25
	Adigetto	Adigetto VALLE	55	Max WS	16.28	187.78	189.9	188.84	190.01	0.000445	1.48	11.02	6	0.35
	Adigetto	Adigetto VALLE	54	Max WS	16.38	187.5	189.91	188.57	189.99	0.000299	1.29	12.74	6	0.28
	Adigetto	Adigetto VALLE	53	Max WS	16.38	187.51	189.89	188.57	189.98	0.000308	1.3	12.6	6	0.29
	Adigetto	Adigetto VALLE	52	Max WS	16.47	187.51	189.87	188.58	189.96	0.000323	1.32	12.45	6	0.29
	Adigetto	Adigetto VALLE	51	Max WS	16.47	187.48	189.86	188.47	189.95	0.000309	1.33	12.38	4.62	0.28
Im. Rio Saluga	Adigetto	Adigetto VALLE	50	Max WS	16.47	187.59	189.85	188.58	189.95	0.000355	1.4	11.77	4.63	0.3
	Adigetto	Adigetto VALLE	49	Max WS	21.52	187.79	189.58	188.98	189.84	0.001061	2.26	9.5	5.14	0.54
	Adigetto	Adigetto VALLE	48	Max WS	21.52	187.61	189.58	188.8	189.8	0.000839	2.07	10.38	4.94	0.47
	Adigetto	Adigetto VALLE	47	Max WS	21.52	187.5	189.56	188.69	189.76	0.000749	1.99	10.84	4.83	0.44
	Adigetto	Adigetto VALLE	46	Max WS	22.02	187.48	189.49	188.69	189.71	0.000839	2.08	10.56	4.89	0.47
	Adigetto	Adigetto VALLE	45	Max WS	22.01	187.36	189.47	188.57	189.67	0.000743	1.99	11.06	4.78	0.44
	Adigetto	Adigetto VALLE	44	Max WS	22.01	186.82	189.51	188.03	189.64	0.000433	1.61	13.66	4.26	0.31
	Adigetto	Adigetto VALLE	43.5		Bridge									
	Adigetto	Adigetto VALLE	43	Max WS	22.01	187.26	189.48	188.54	189.62	0.000477	1.63	13.48	6.9	0.35
	Adigetto	Adigetto VALLE	42	Max WS	22.01	187.19	189.47	188.47	189.59	0.000436	1.58	13.91	6.9	0.36
	Adigetto	Adigetto VALLE	41	Max WS	22.11	187.31	189.42	188.59	189.58	0.000562	1.73	12.77	6.9	0.41
	Adigetto	Adigetto VALLE	40	Max WS	22.11	187.19	189.41	188.47	189.56	0.000532	1.68	13.14	6.17	0.36
	Adigetto	Adigetto VALLE	39	Max WS	22.11	187.16	189.4	188.43	189.54	0.000516	1.67	13.26	6.23	0.36
	Adigetto	Adigetto VALLE	38	Max WS	22.11	187.21	189.38	188.48	189.53	0.000566	1.72	12.84	6.25	0.37
	Adigetto	Adigetto VALLE	37	Max WS	22.11	187.24	189.37	188.52	189.53	0.000588	1.74	12.71	6.4	0.38
	Adigetto	Adigetto VALLE	36	Max WS	22.11	187.23	189.39	188.42	189.52	0.000442	1.6	13.81	6.95	0.35
Im. Roggia Grande	Adigetto	Adigetto VALLE	35	Max WS	22.1	187.21	189.38	188.3	189.5	0.000366	1.51	14.64	6.87	0.33
	Adigetto	Adigetto VALLE	34	Max WS	22.9	187.3	189.34	188.33	189.48	0.000411	1.6	14.3	6.96	0.36
	Adigetto	Adigetto VALLE	33	Max WS	22.9	187.31	189.34	188.34	189.47	0.00042	1.61	14.19	6.97	0.36

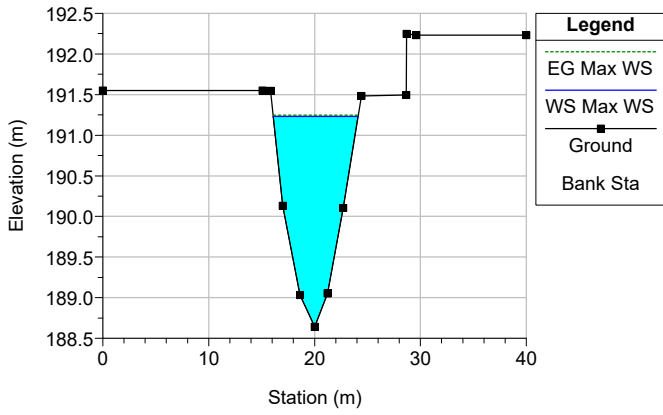
Ante Operam Scenario 1 (Gronda Attiva) - Canale Lavisotto-Adigetto

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Adigetto	Adigetto VALLE	32	Max WS	22.9	187.32	189.34	188.35	189.47	0.000429	1.63	14.08	6.98	0.37
Adigetto	Adigetto VALLE	31	Max WS	22.9	187.34	189.4	188.15	189.47	0.000167	1.11	20.63	10	0.25
Adigetto	Adigetto VALLE	30	Max WS	22.9	187.27	189.41	188.09	189.46	0.000153	1.07	21.3	9.92	0.24
Adigetto	Adigetto VALLE	29	Max WS	22.9	187.25	189.4	188.06	189.46	0.000148	1.06	21.58	9.85	0.23
Adigetto	Adigetto VALLE	28	Max WS	22.9	187.21	189.34	188.24	189.46	0.000368	1.54	14.87	7	0.34
Adigetto	Adigetto VALLE	27	Max WS	23.1	187.05	189.32	188.17	189.46	0.000394	1.61	14.36	6.46	0.34
Adigetto	Adigetto VALLE	26	Max WS	23.1	186.77	189.33	187.9	189.44	0.000283	1.43	16.2	6.49	0.29
Adigetto	Adigetto VALLE	25	Max WS	23.1	186.96	189.31	188.09	189.43	0.00037	1.57	14.69	6.39	0.33
Adigetto	Adigetto VALLE	24	Max WS	23.1	186.99	189.3	188.12	189.43	0.000394	1.56	14.83	7	0.34
Adigetto	Adigetto VALLE	23	Max WS	23.1	186.95	189.3	188.08	189.42	0.000374	1.53	15.11	7	0.33
Adigetto	Adigetto VALLE	22	Max WS	23.09	186.83	189.31	187.95	189.42	0.000316	1.48	15.56	6.4	0.3
Adigetto	Adigetto VALLE	21	Max WS	23.09	186.58	189.33	187.71	189.42	0.00024	1.34	17.22	6.42	0.26
Adigetto	Adigetto VALLE	20	Max WS	23.09	186.65	189.32	187.78	189.42	0.000259	1.38	16.75	6.41	0.27
Adigetto	Adigetto VALLE	19	Max WS	23.09	187.06	189.25	188.19	189.4	0.00045	1.69	13.69	6.38	0.37
Adigetto	Adigetto VALLE	18	Max WS	23.09	187.11	189.22	188.24	189.37	0.000504	1.76	13.15	6.37	0.39
Adigetto	Adigetto VALLE	17	Max WS	23.09	187.19	189.16	188.31	189.34	0.000609	1.88	12.3	6.36	0.43
Adigetto	Adigetto VALLE	16	Max WS	23.09	187.35	189.17		189.31	0.001066	1.61	14.35	13.67	0.5
Adigetto	Adigetto VALLE	15	Max WS	23.08	187.31	189.15		189.27	0.000806	1.52	15.15	12.58	0.44
Adigetto	Adigetto VALLE	14	Max WS	23.08	187.24	189.14		189.24	0.000606	1.4	16.5	12.47	0.39
Adigetto	Adigetto VALLE	13	Max WS	23.08	187.02	189.1		189.19	0.000517	1.32	17.43	12.63	0.36
Adigetto	Adigetto VALLE	12	Max WS	23.07	186.6	188.87		189.02	0.001168	1.71	13.46	11.75	0.51
Adigetto	Adigetto VALLE	11	Max WS	23.06	186.39	188.79		188.87	0.000427	1.23	18.76	13.01	0.33
Adigetto	Adigetto VALLE	10	Max WS	25.73	186.38	188.79	186.96	188.81	0.000031	0.58	44.67	18.5	0.12
Adigetto	Adigetto VALLE	9	Max WS	25.72	186.15	188.79	186.73	188.81	0.000024	0.53	48.88	18.5	0.1
Adigetto	Adigetto VALLE	8	Max WS	25.72	186.1	188.73		188.81	0.000457	1.22	21.14	15.63	0.33
Adigetto	Adigetto VALLE	7	Max WS	25.56	185.81	188.69		188.74	0.000223	1.03	24.76	12.69	0.24
Adigetto	Adigetto VALLE	6	Max WS	25.56	185.63	188.67		188.7	0.000137	0.8	31.94	17.48	0.19
Adigetto	Adigetto VALLE	5	Max WS	25.55	185.29	188.65		188.68	0.000111	0.75	33.91	17.41	0.17
Adigetto	Adigetto VALLE	4	Max WS	9.51	185.1	188.6		188.61	0.000028	0.37	25.65	12.84	0.08
Adigetto	Adigetto VALLE	3	Max WS	12.31	184.44	188.6		188.61	0.000015	0.31	39.17	15.62	0.06
Adigetto	Adigetto VALLE	2	Max WS	1.73	184.15	188.6		188.6	0	0.04	45.16	15.68	0.01
Confluenza Adige	Adigetto	1	Max WS	0.8	183.33	188.6	183.43	188.6	0	0	206.32	40	0

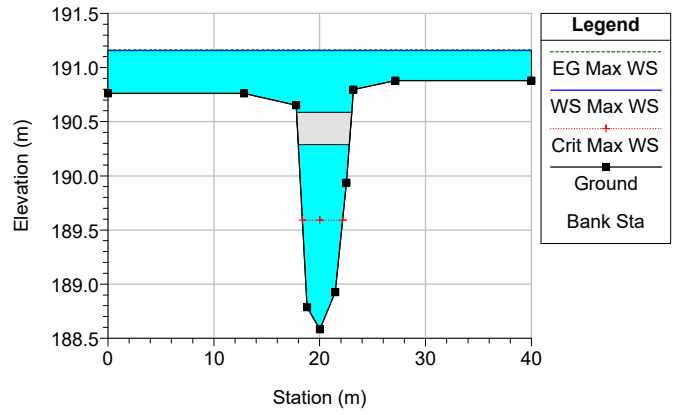
MALVASIA

RISULTATI CONFIGURAZIONE ANTE OPERAM TR=200

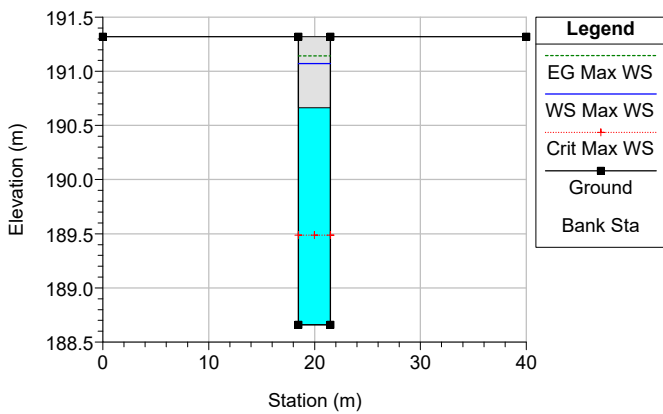
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 174



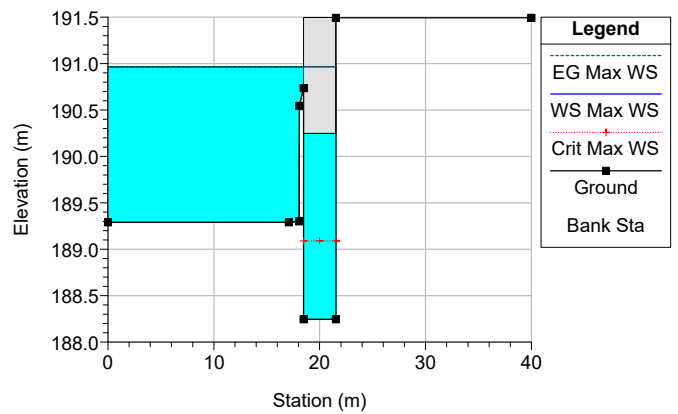
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 173



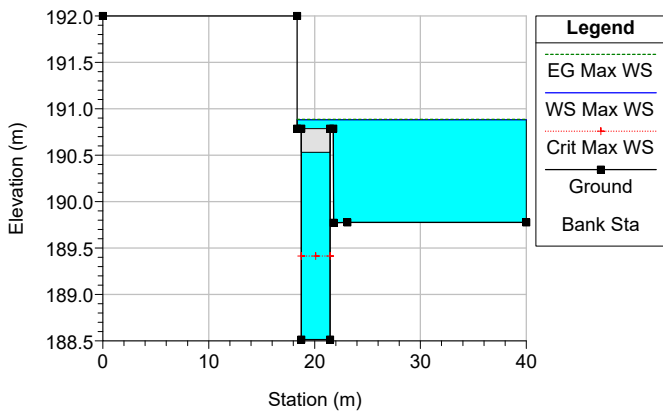
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 172



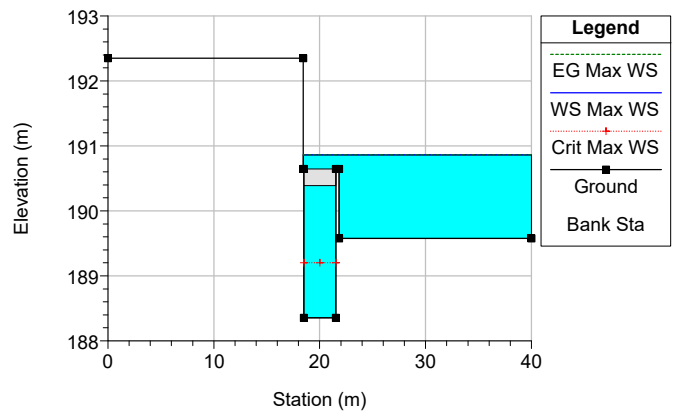
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 171



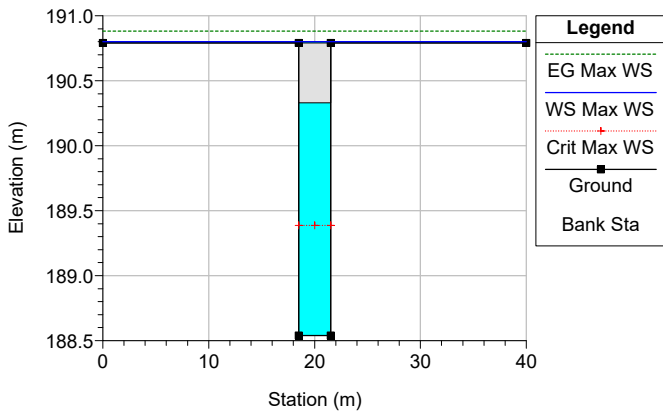
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 170



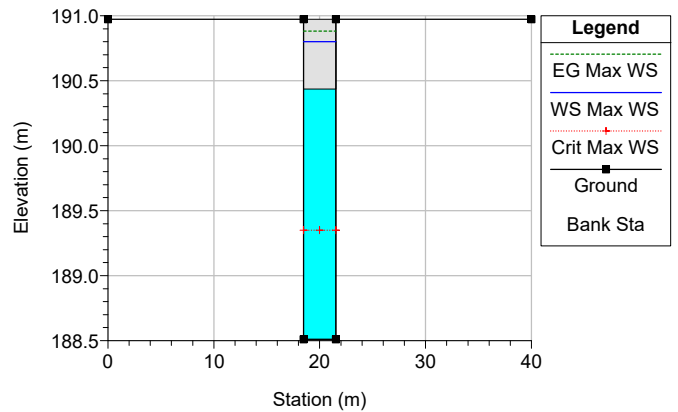
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 169



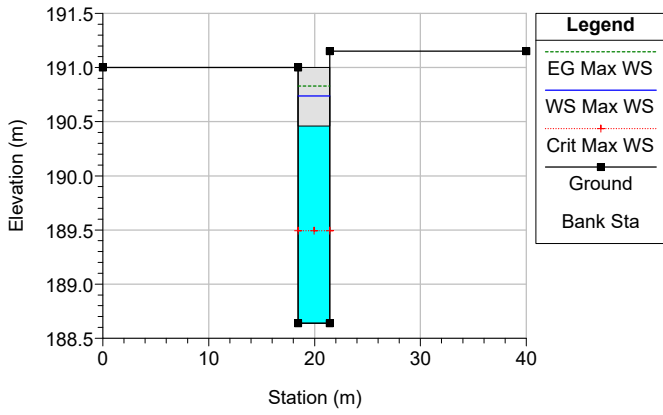
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 168



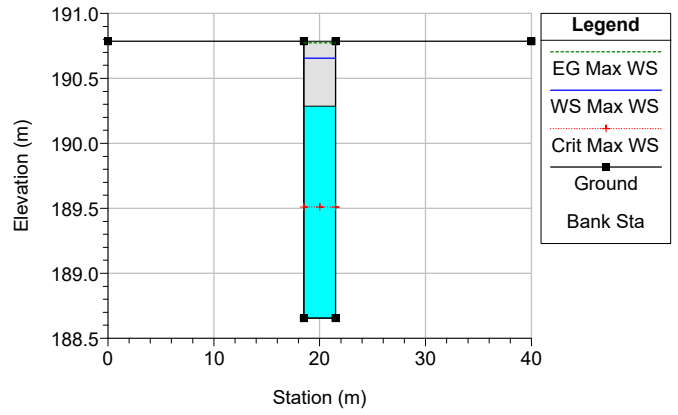
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 167



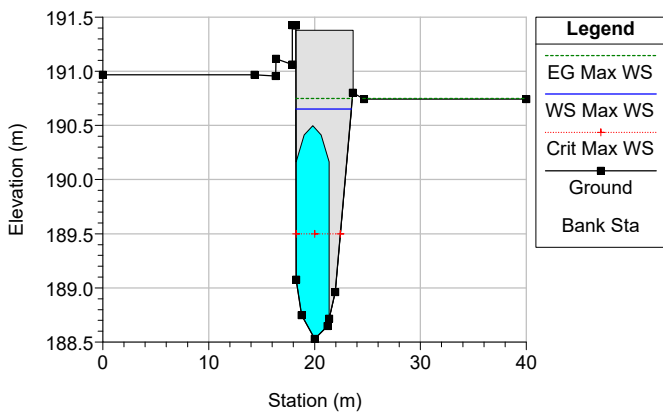
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 166



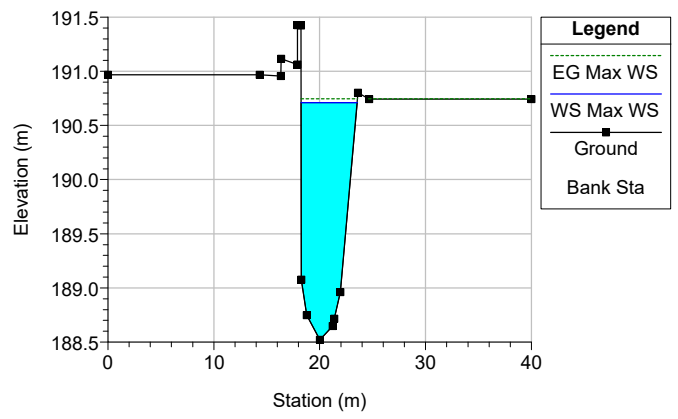
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 165



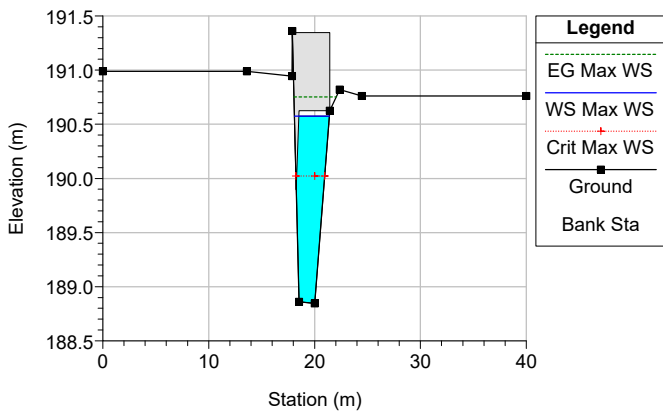
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 164



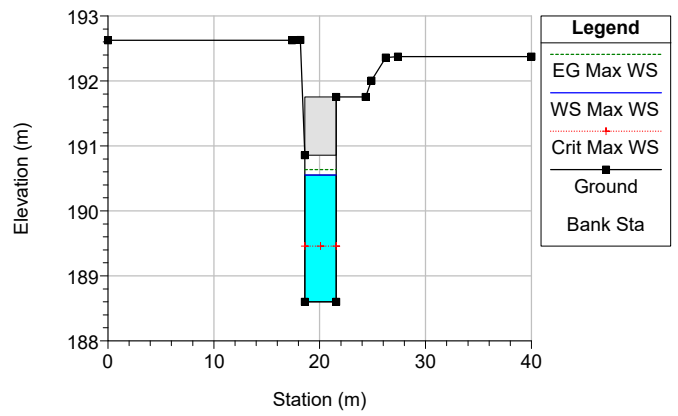
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 163.5



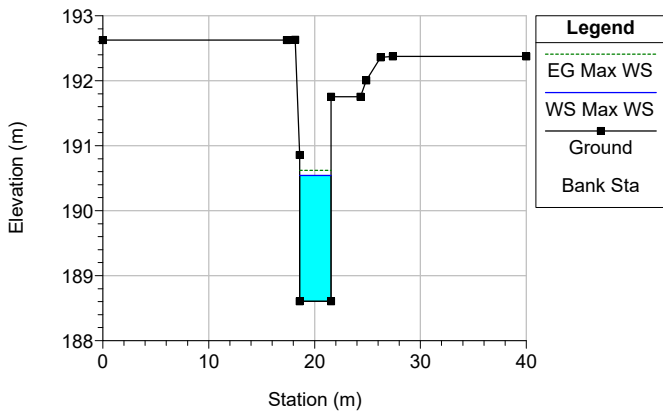
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 163



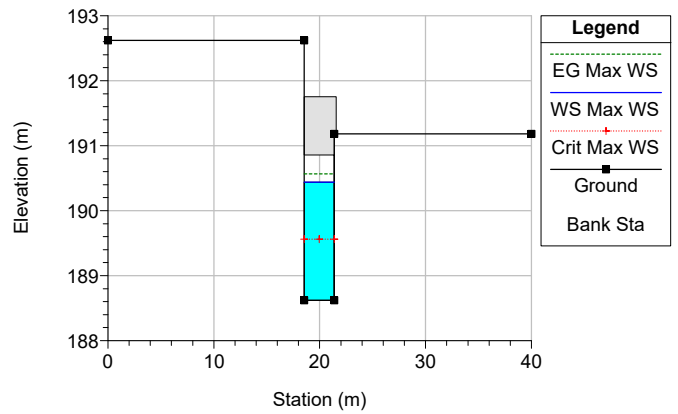
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 162



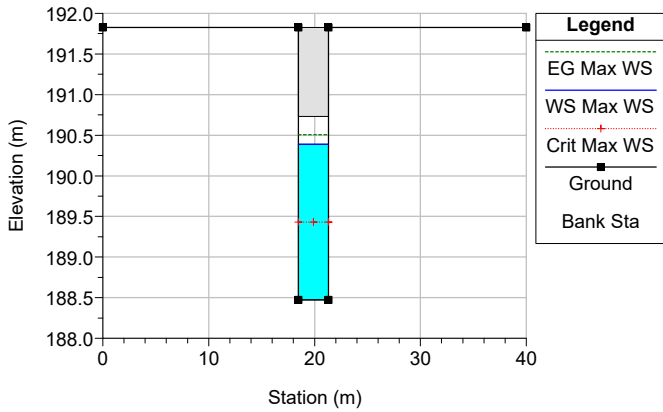
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 161



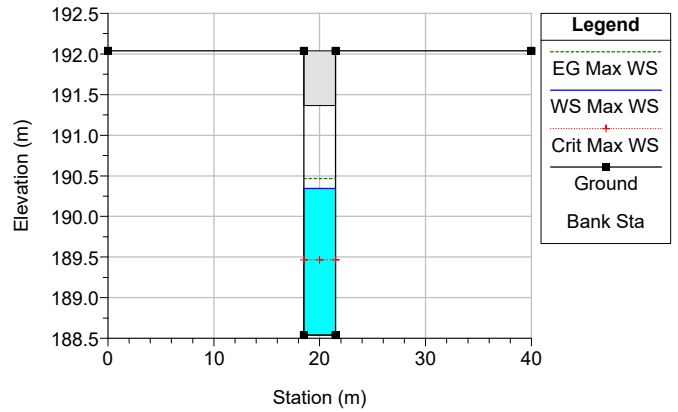
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 160



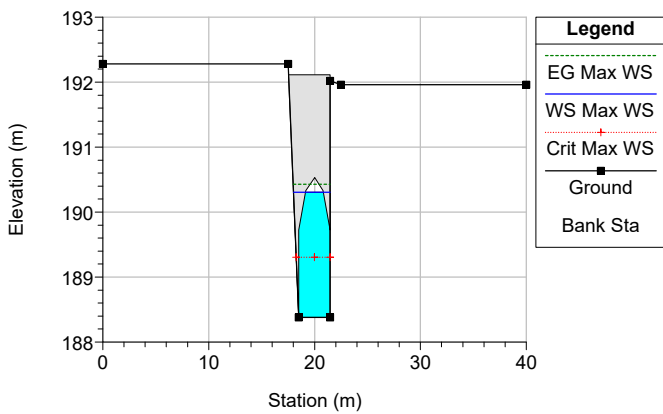
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Malvasia Reach = Malvasia RS = 159



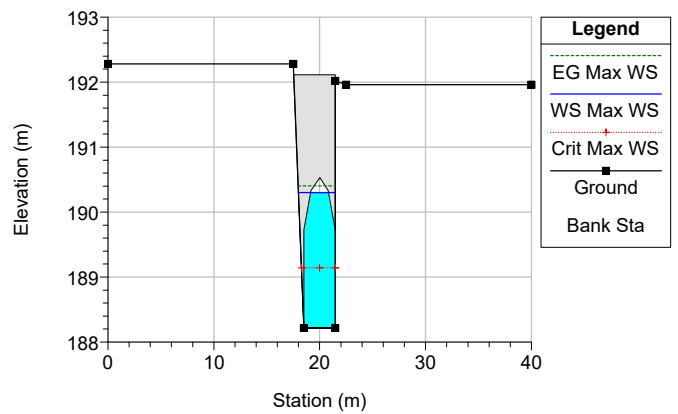
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Malvasia Reach = Malvasia RS = 158



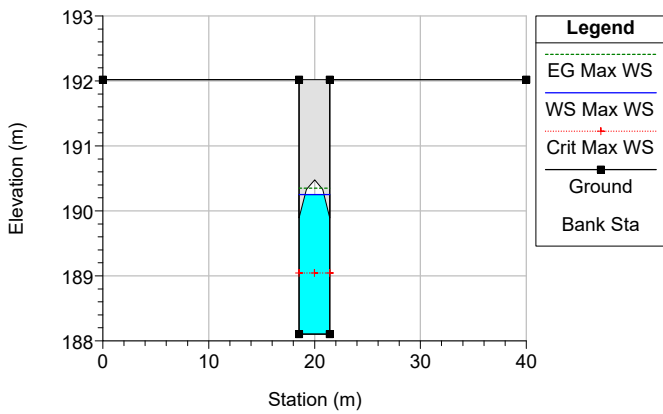
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Malvasia Reach = Malvasia RS = 157



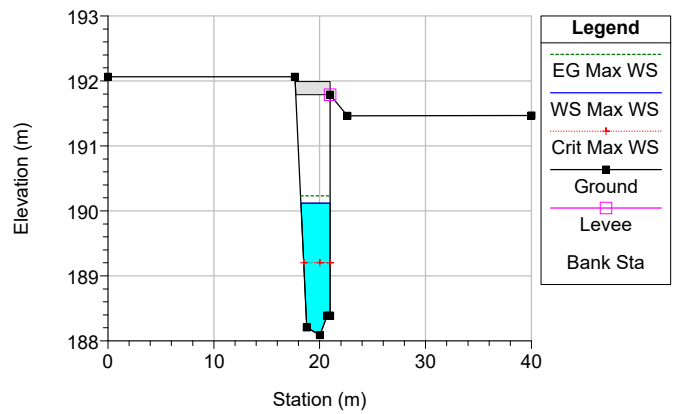
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Malvasia Reach = Malvasia RS = 156



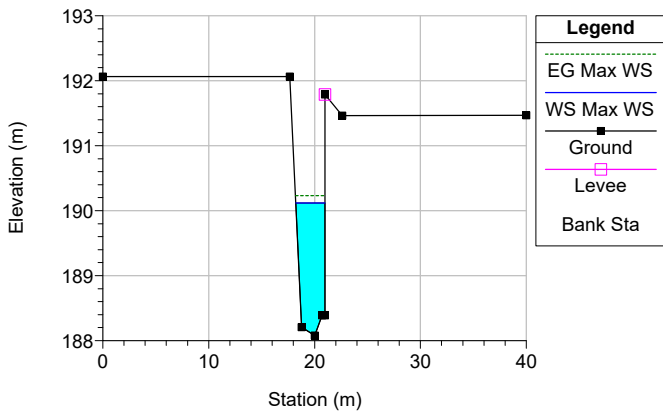
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Malvasia Reach = Malvasia RS = 155



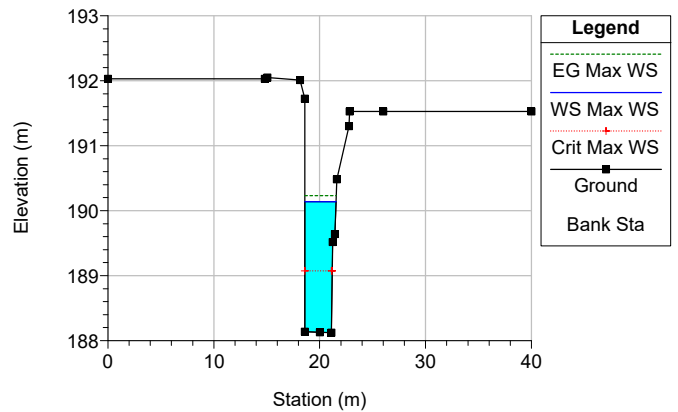
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Malvasia Reach = Malvasia RS = 154



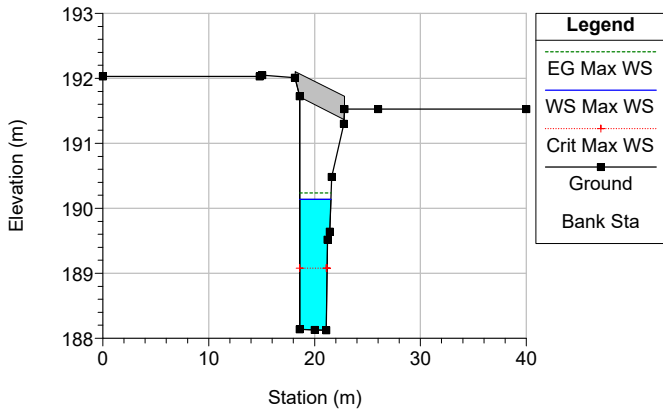
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Malvasia Reach = Malvasia RS = 153.5



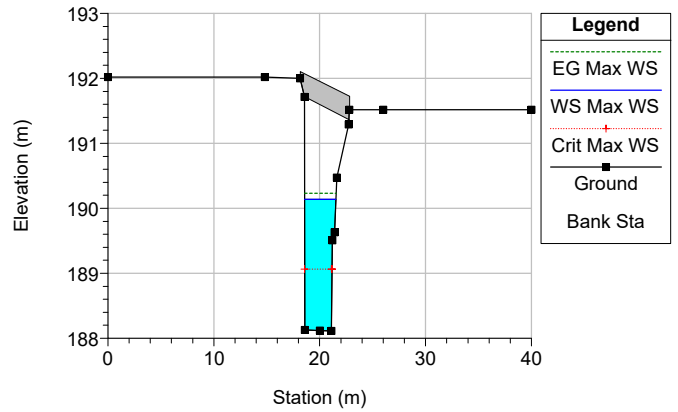
Unsteady A.O. Plan: Ante Operam (G.A.)
 River = Malvasia Reach = Malvasia RS = 153



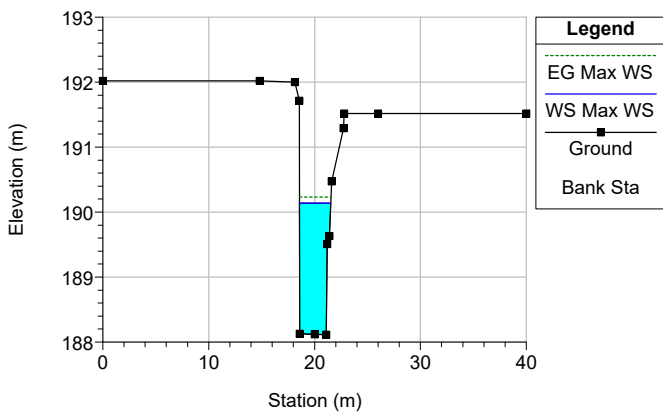
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 152.5 BR



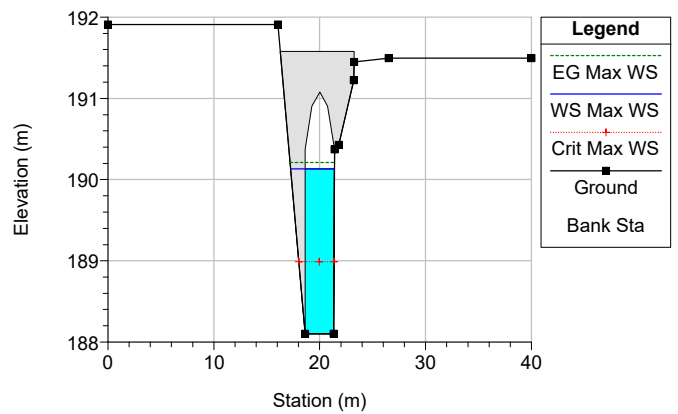
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 152.5 BR



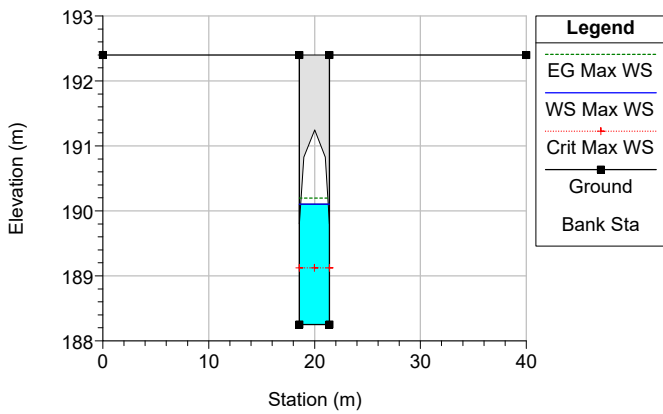
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 152



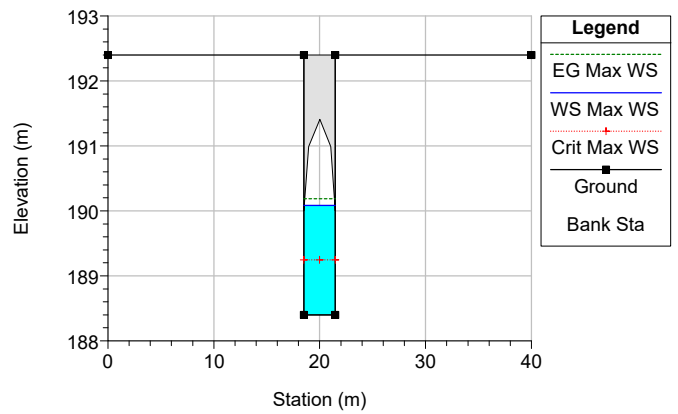
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 151



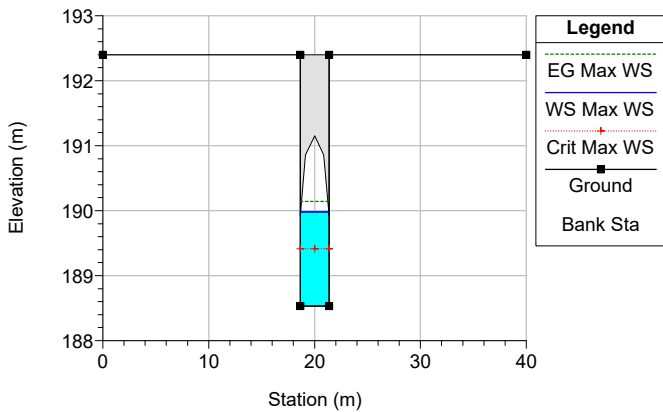
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 150



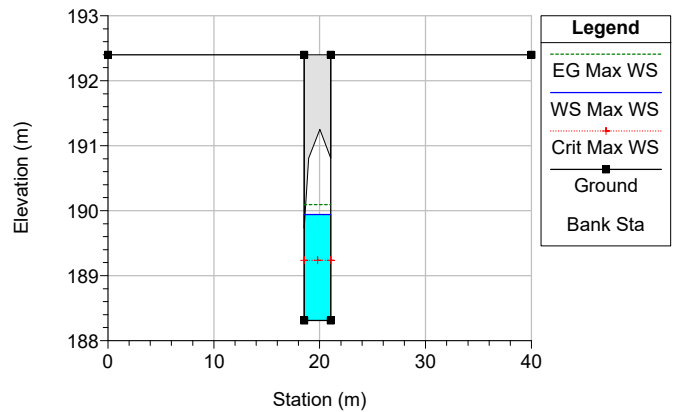
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 149



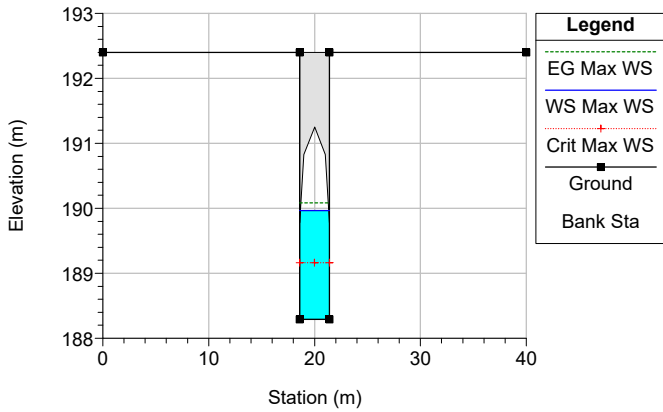
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 148



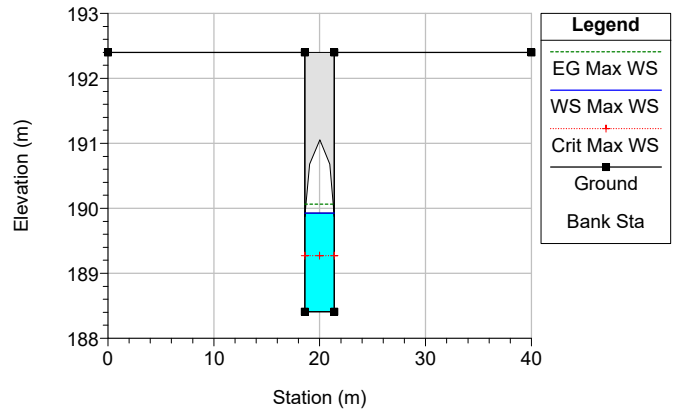
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 147



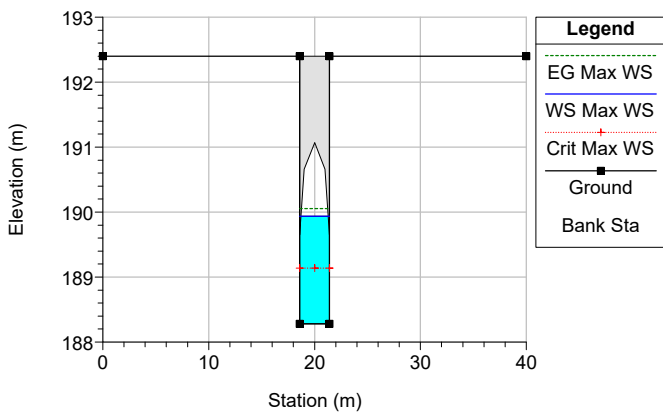
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 146



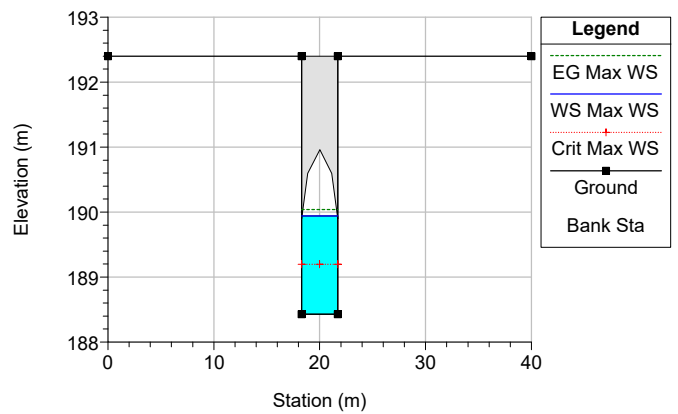
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 145



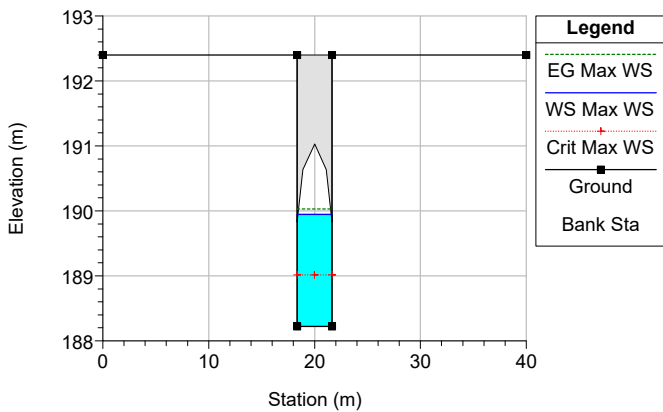
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 144



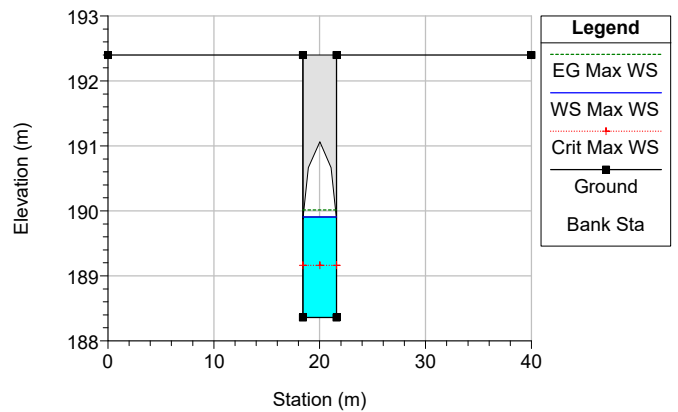
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 143



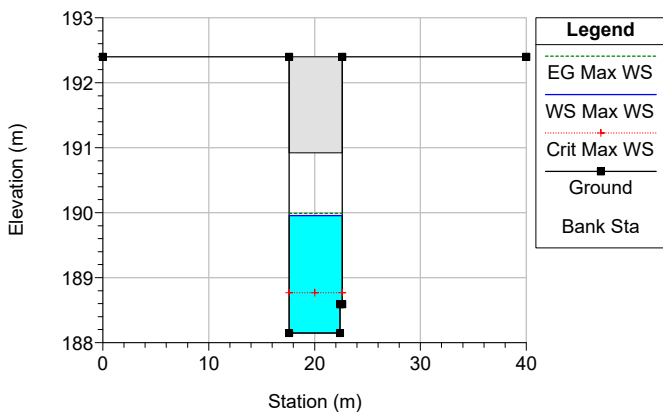
Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 142



Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 141



Unsteady A.O. Plan: Ante Operam (G.A.)
River = Malvasia Reach = Malvasia RS = 140



Ante Operam Scenario 1 (Gronda Attiva) - Malvasia

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	
Malvasia	174	Max WS	7.2	188.64	191.23		191.25	0.000091	0.57	12.66	8.02	0.14	
Malvasia	173	Max WS	7.18	188.58	191.16	189.59	191.16	0.000089	0.34	20.91	40	0.07	
Malvasia	172	Max WS	7.18	188.66	191.07	189.49	191.14	0.000612	1.18	6.1		0.24	
Malvasia	171	Max WS	7.38	188.25	190.97	189.09	190.97	0.000008	0.2	36.51	18.48	0.04	
Malvasia	170	Max WS	7.38	188.52	190.88	189.41	190.89	0.000025	0.28	26	21.64	0.06	
Malvasia	169	Max WS	7.38	188.35	190.86	189.2	190.86	0.000016	0.24	30.26	21.57	0.05	
Malvasia	168	Max WS	7.38	188.54	190.8	189.39	190.88	0.006166	1.26	5.86	40	0.27	
Malvasia	167	Max WS	7.38	188.51	190.8	189.35	190.88	0.000713	1.25	5.89		0.26	
Malvasia	166	Max WS	7.38	188.64	190.74	189.49	190.83	0.000879	1.35	5.46		0.3	
Malvasia	165	Max WS	7.38	188.66	190.66	189.51	190.77	0.001217	1.52	4.87		0.34	
Malvasia	164	Max WS	7.38	188.53	190.65	189.5	190.75	0.000871	1.39	5.33		0.3	
Malvasia	163.5	Max WS	7.38	188.52	190.71		190.74	0.000238	0.83	8.84	5.31	0.21	
Malvasia	163	Max WS	7.38	188.84	190.58	190.02	190.75	0.001187	1.85	3.98	2.9	0.45	
Im. Campot. II	Malvasia	162	Max WS	7.36	188.6	190.55	189.46	190.63	0.000452	1.27	5.81	2.99	0.29
Malvasia	161	Max WS	7.36	188.6	190.54		190.62	0.000817	1.28	5.77	2.99	0.29	
Malvasia	160	Max WS	8.15	188.62	190.44	189.56	190.57	0.000742	1.57	5.21	2.86	0.37	
Malvasia	159	Max WS	8.34	188.47	190.39	189.43	190.51	0.000689	1.53	5.45	2.85	0.35	
Malvasia	158	Max WS	8.33	188.54	190.34	189.47	190.47	0.000697	1.54	5.41	3	0.37	
Malvasia	157	Max WS	8.33	188.38	190.3	189.31	190.43	0.000646	1.56	5.33	1.7	0.36	
Malvasia	156	Max WS	8.33	188.21	190.3	189.14	190.4	0.000671	1.43	5.81	1.71	0.32	
Malvasia	155	Max WS	8.32	188.1	190.25	189.04	190.35	0.000596	1.37	6.06	1.8	0.3	
Malvasia	154	Max WS	7.04	188.09	190.12	189.2	190.23	0.000688	1.49	4.71	2.75	0.36	
Malvasia	153.5	Max WS	7.04	188.08	190.12		190.23	0.001216	1.49	4.72	2.75	0.36	
Malvasia	153	Max WS	7.26	188.13	190.14	189.07	190.23	0.001005	1.36	5.32	2.95	0.32	
Malvasia	152.5		Bridge										
Malvasia	152	Max WS	7.26	188.11	190.14		190.23	0.000973	1.35	5.38	2.96	0.32	
Malvasia	151	Max WS	7.04	188.1	190.13	188.99	190.21	0.000295	1.27	5.53	2.77	0.29	
Malvasia	150	Max WS	7.24	188.25	190.1	189.12	190.2	0.000592	1.39	5.21	2.59	0.33	
Malvasia	149	Max WS	7.24	188.4	190.08	189.25	190.19	0.000654	1.45	4.99	2.89	0.36	
Malvasia	148	Max WS	7.05	188.53	189.98	189.41	190.14	0.00116	1.79	3.94	2.66	0.47	
Malvasia	147	Max WS	6.96	188.31	189.94	189.24	190.09	0.001057	1.71	4.06	2.41	0.43	
Malvasia	146	Max WS	7.15	188.29	189.96	189.16	190.08	0.000752	1.52	4.7	2.67	0.38	
Malvasia	145	Max WS	6.96	188.41	189.93	189.27	190.07	0.000937	1.65	4.23	2.72	0.43	
Malvasia	144	Max WS	6.96	188.28	189.94	189.14	190.05	0.000751	1.51	4.62	2.57	0.37	
Malvasia	143	Max WS	7.16	188.43	189.94	189.2	190.04	0.00059	1.39	5.14	3.34	0.36	
Malvasia	142	Max WS	7.35	188.22	189.94	189.02	190.03	0.000476	1.29	5.69	3.15	0.31	
Malvasia	141	Max WS	7.16	188.36	189.9	189.16	190.01	0.000663	1.46	4.91	3.14	0.37	
Confluenza Adigetto	Malvasia	140	Max WS	7.34	188.15	189.96	188.77	189.99	0.000143	0.82	8.98	5.02	0.2