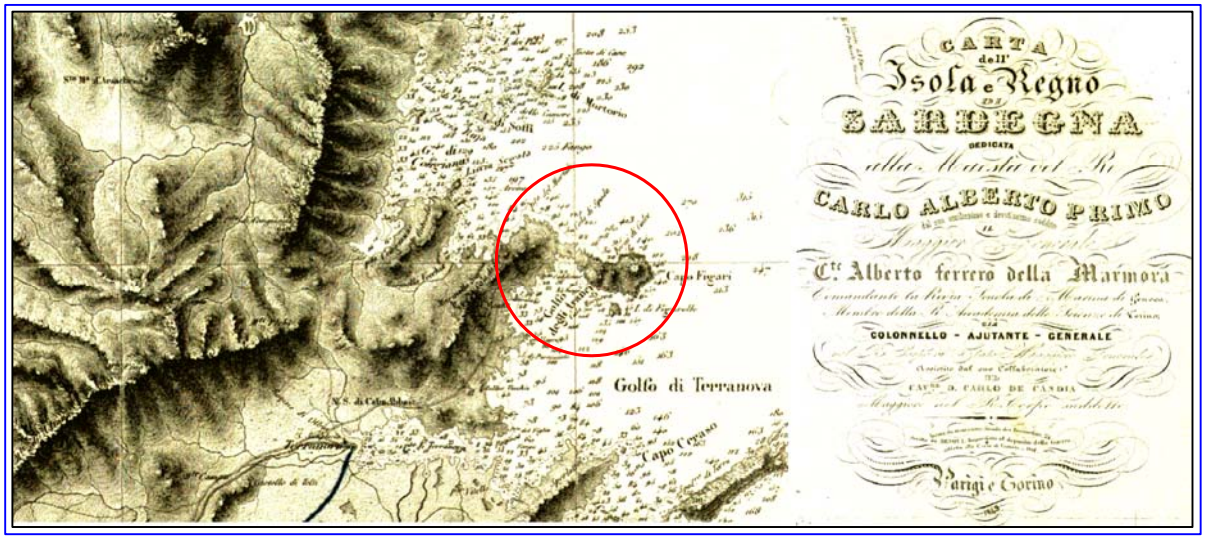
Firmato da
CASSITTA
GIOVANNI
PIERO

Regione Autonoma della Sardegna
Ass.to EE.LL., Finanza e Urbanistica

COMUNE DI GOLFO ARANCI

Provincia Olbia-Tempio

COMUNE DI GOLFO ARANCI



PIANO PAESISTICO REGIONALE - L.R. 25 novembre 2004, n. 8

ADEGUAMENTO DEL PIANO URBANISTICO COMUNALE AL P.P.R. E AL P.A.I.

CARTE DI PERICOLOSITA' E RISCHIO GEOLOGICO E IDRAULICO

Tav.	*Elaborato*	*Scala*
R.E.1	**Gli allegati alla relazione integrativa (Ambiti Marinella – Cala Sassari Sud)**	

Allegato alla delibera C.C. n° 13 del 10/03/2016

COORDINATORE

Dott. Ing. G. Piero Cassitta

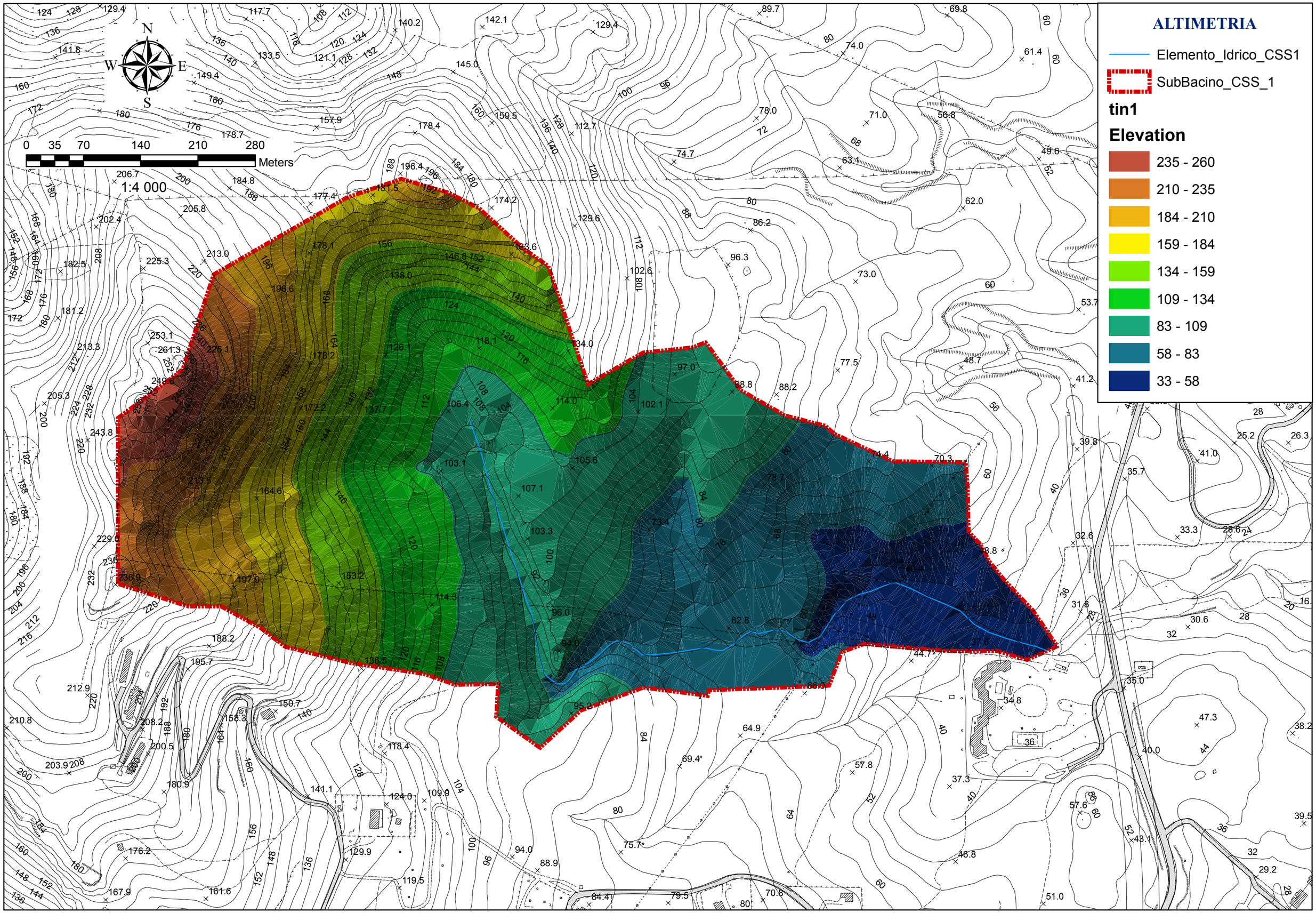
ORDINE INGEGNERI
PROVINCE DI SASSARI
E OLBIA TEMPIO
N° 229 Dott. Ing. Giovanni Piero Cassitta
Ingegnere Civile Ambientale, Industriale e dell'Informazione Sezione A - Settore a.b.c

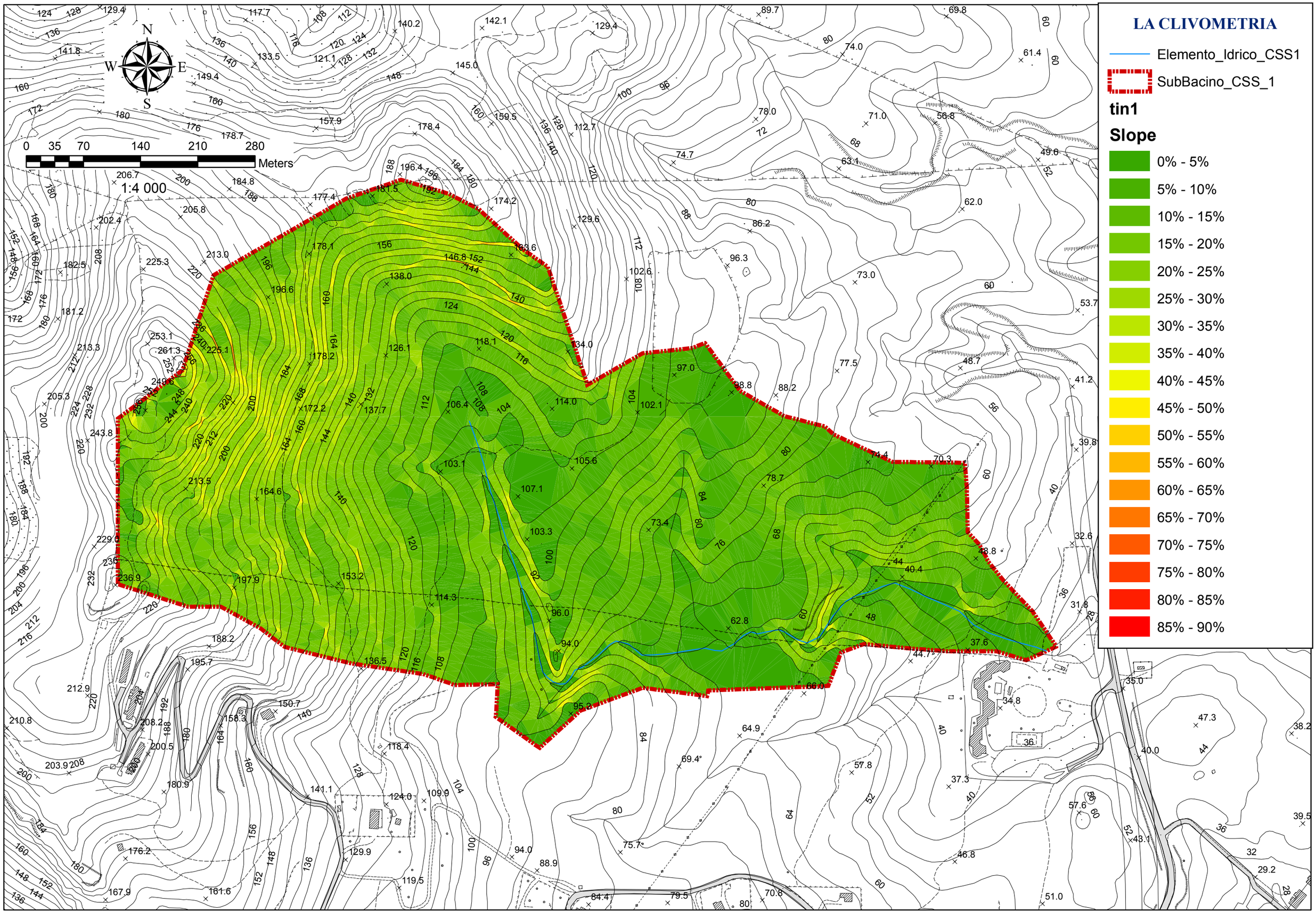
ESPERTI

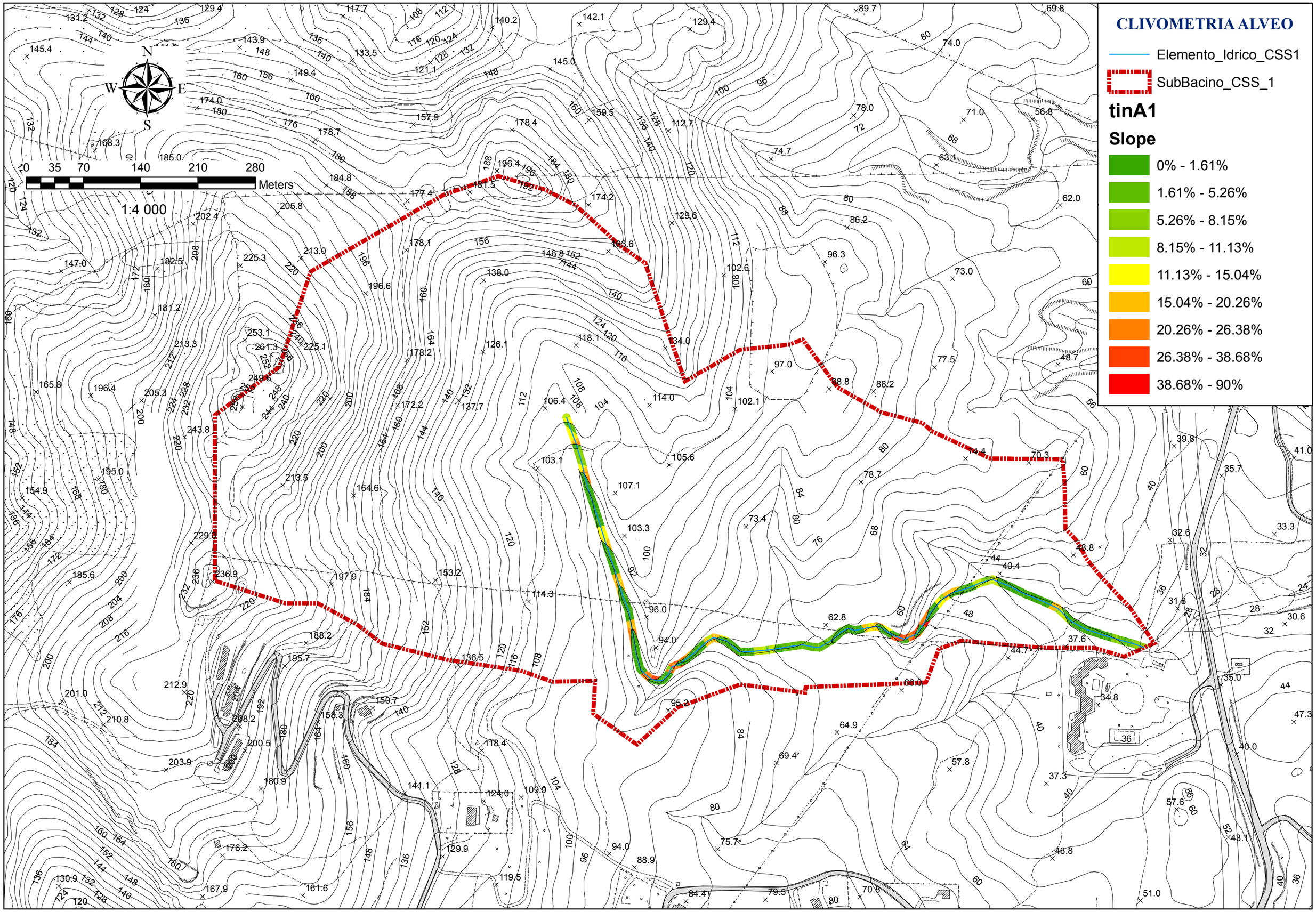
Dott. Agr. Nicola Sanna
Dott. Agr. Giovanni Dettori
Dott. Geol. Giovanni Tilocca
Dott. Claudio Caria (GIS)
Dott. Arch. Marco Agostino Amucano

Settembre 2014

IL BACINO CALA SASSARI SUD - 1

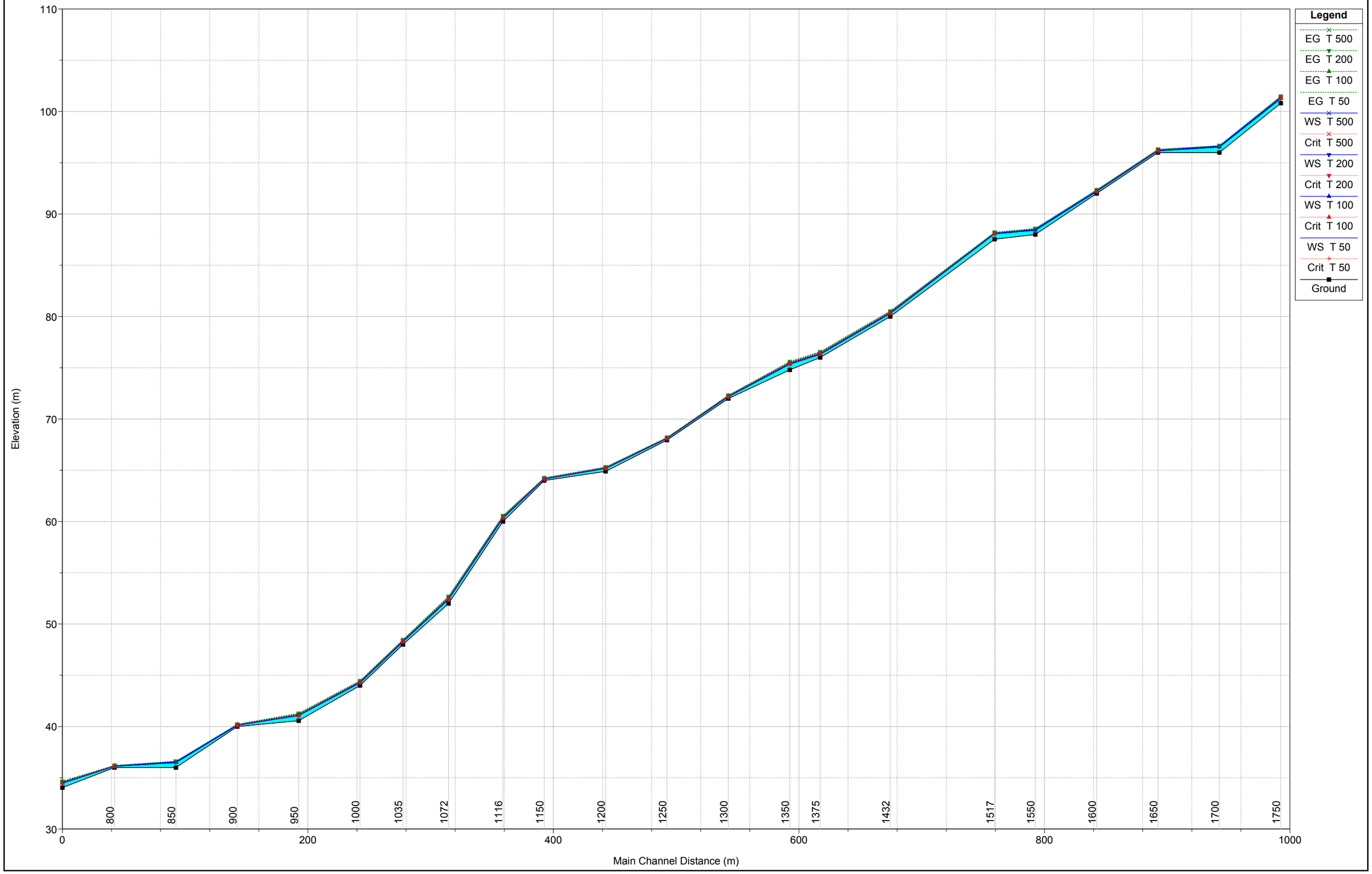

N
W
E
S
0 35 70 140 210 280
Meters
1:4 000
ALTIMETRIA
Elemento_Idrico_CSS1
SubBacino_CSS_1
tin1
Elevation
235 - 260
210 - 235
184 - 210
159 - 184
134 - 159
109 - 134
83 - 109
58 - 83
33 - 58


N
W
E
S
0 35 70 140 210 280
Meters
1:4 000
LA CLIVOMETRIA
Elemento_Idrico_CSS1
SubBacino_CSS_1
tin1
Slope
0% - 5%
5% - 10%
10% - 15%
15% - 20%
20% - 25%
25% - 30%
30% - 35%
35% - 40%
40% - 45%
45% - 50%
50% - 55%
55% - 60%
60% - 65%
65% - 70%
70% - 75%
75% - 80%
80% - 85%
85% - 90%


CLIVOMETRIA ALVEO
Elemento_Idrico_CSS1
SubBacino_CSS_1
tinA1
Slope
0% - 1.61%
1.61% - 5.26%
5.26% - 8.15%
8.15% - 11.13%
11.13% - 15.04%
15.04% - 20.26%
20.26% - 26.38%
26.38% - 38.68%
38.68% - 90%
N
S
W
E
0 35 70 140 210 280
Meters
1:4 000

CalaSassariSud Plan: Plan 01 05/09/2014

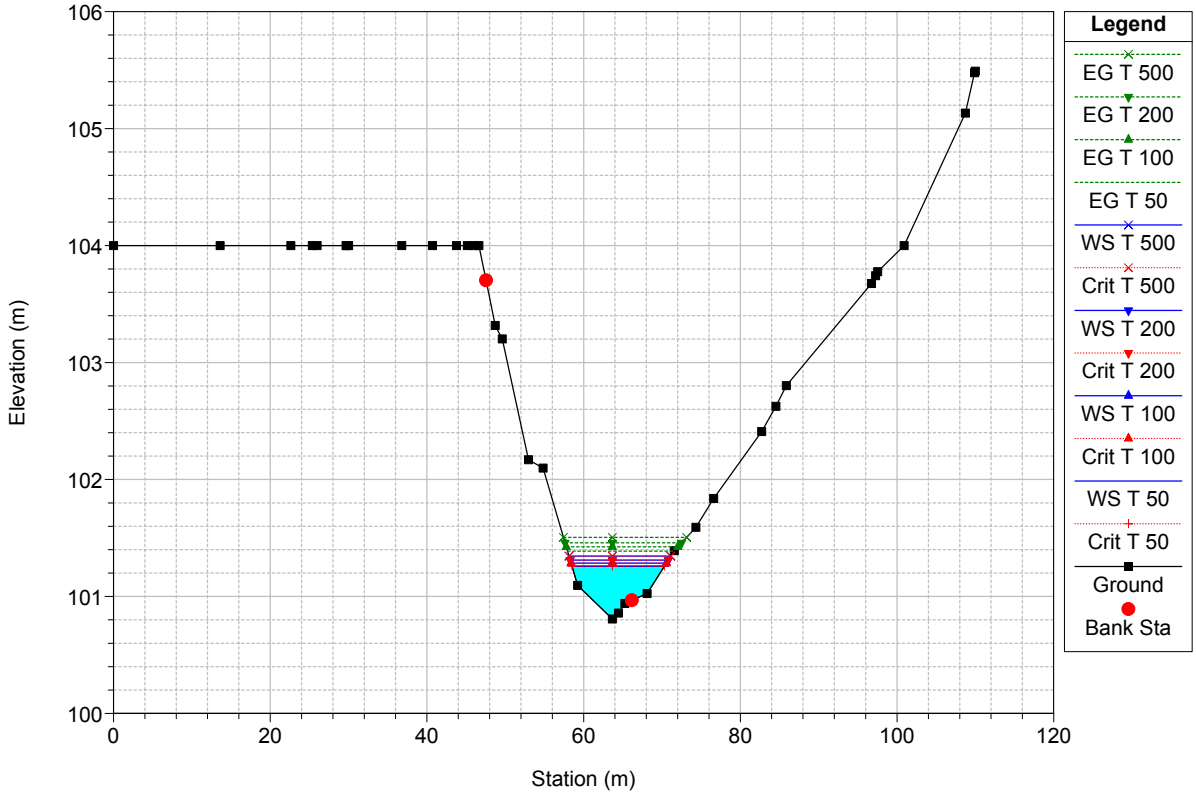
Flow: PORTATE



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

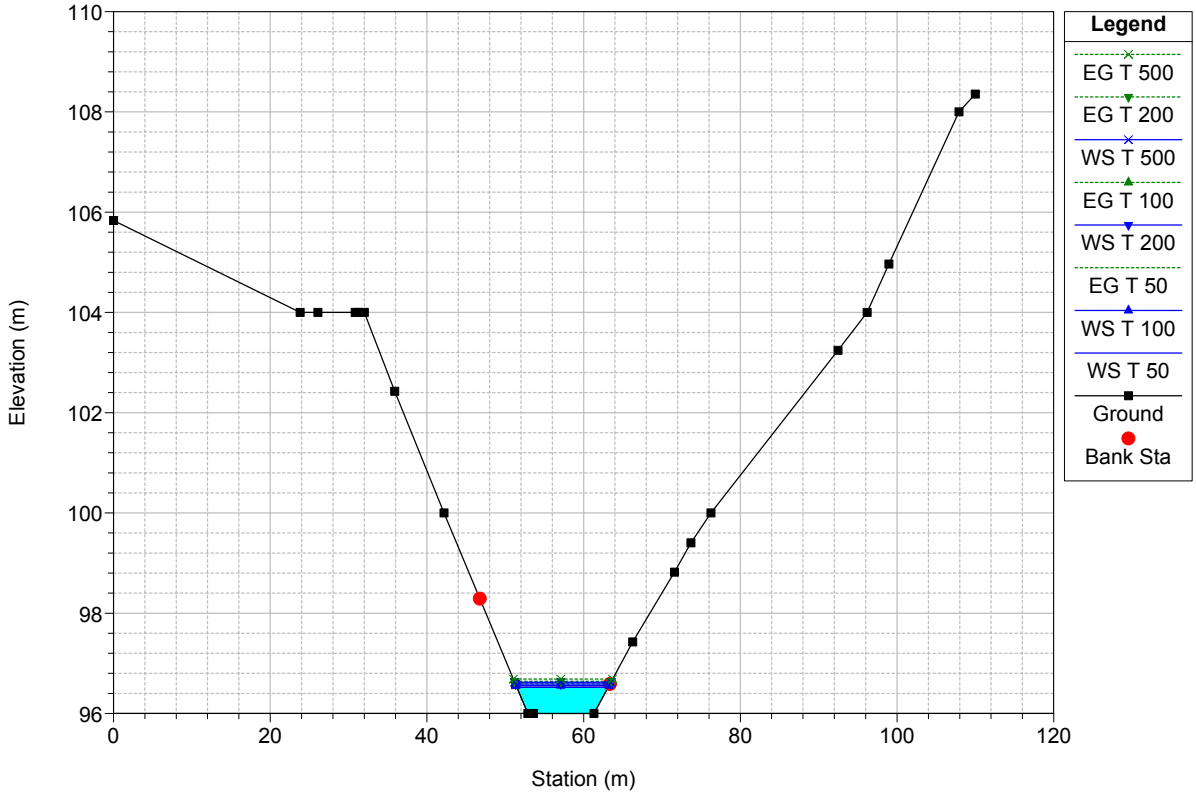
River = CSS Reach = CSS_UP RS = 1750



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

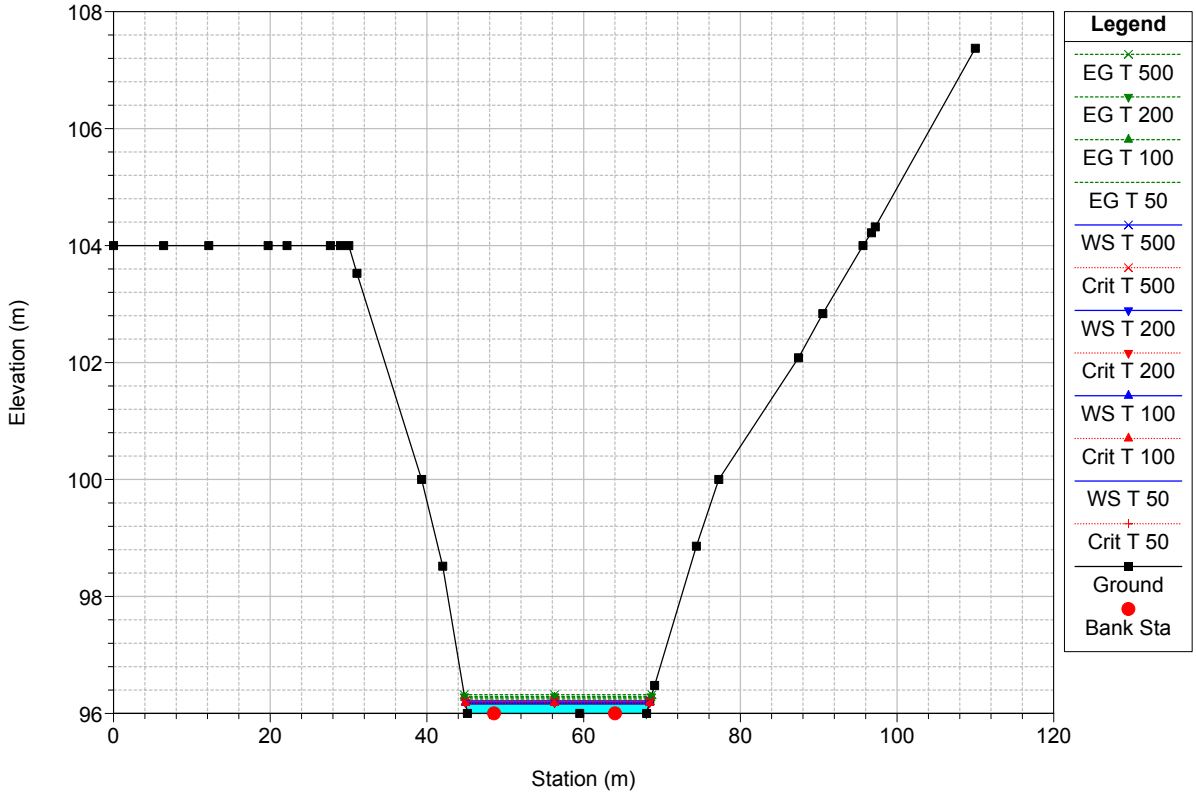
River = CSS Reach = CSS_UP RS = 1700



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

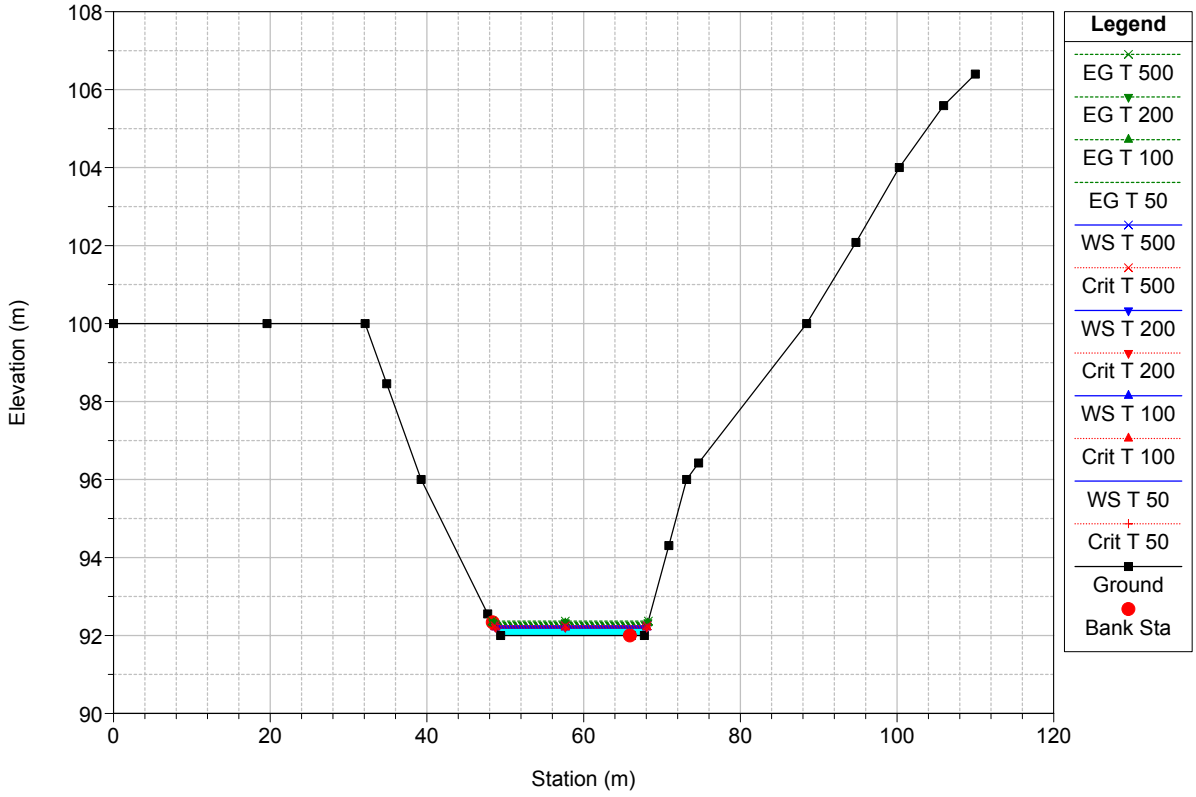
River = CSS Reach = CSS_UP RS = 1650



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

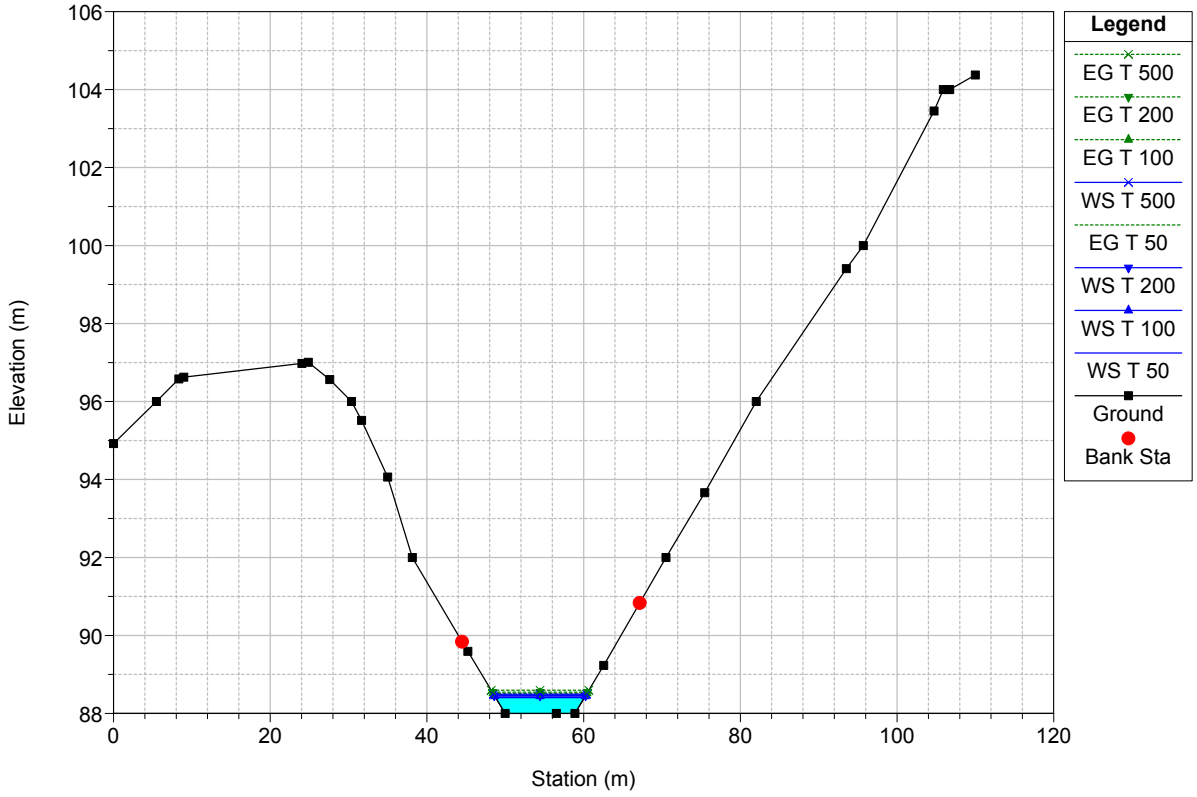
River = CSS Reach = CSS_UP RS = 1600



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

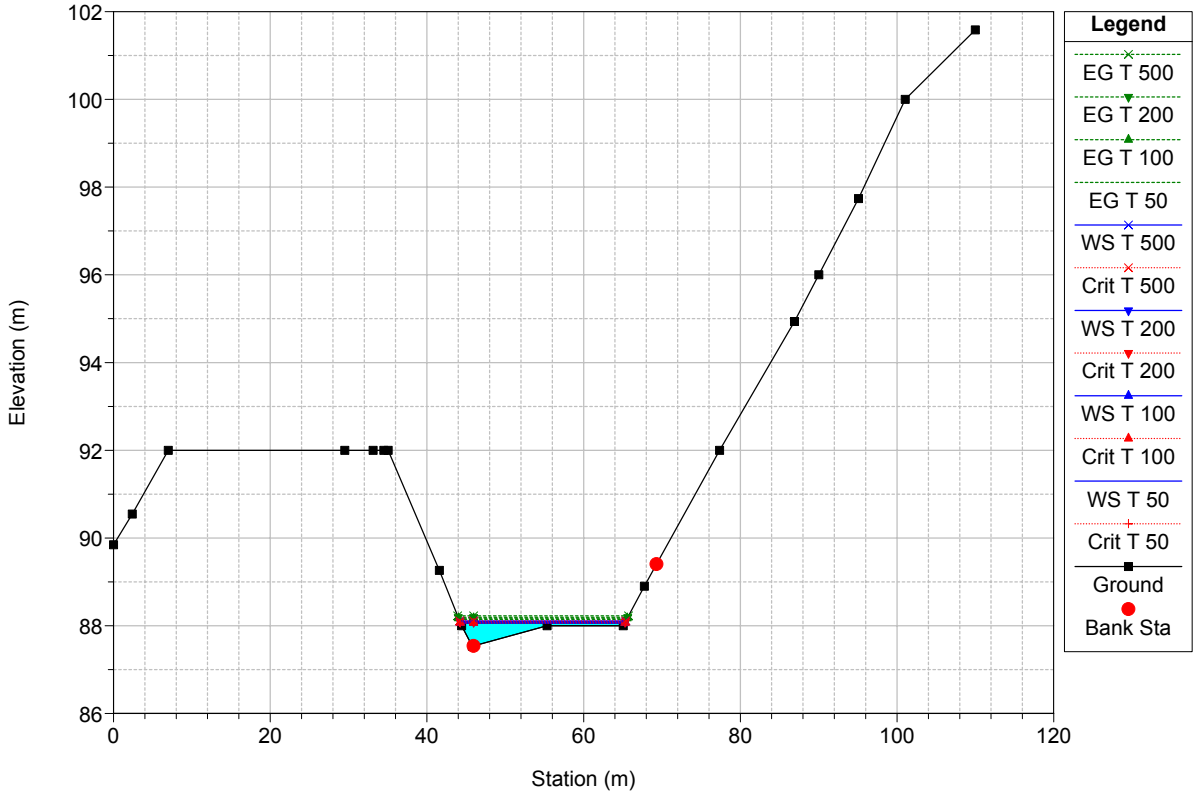
River = CSS Reach = CSS_UP RS = 1550



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

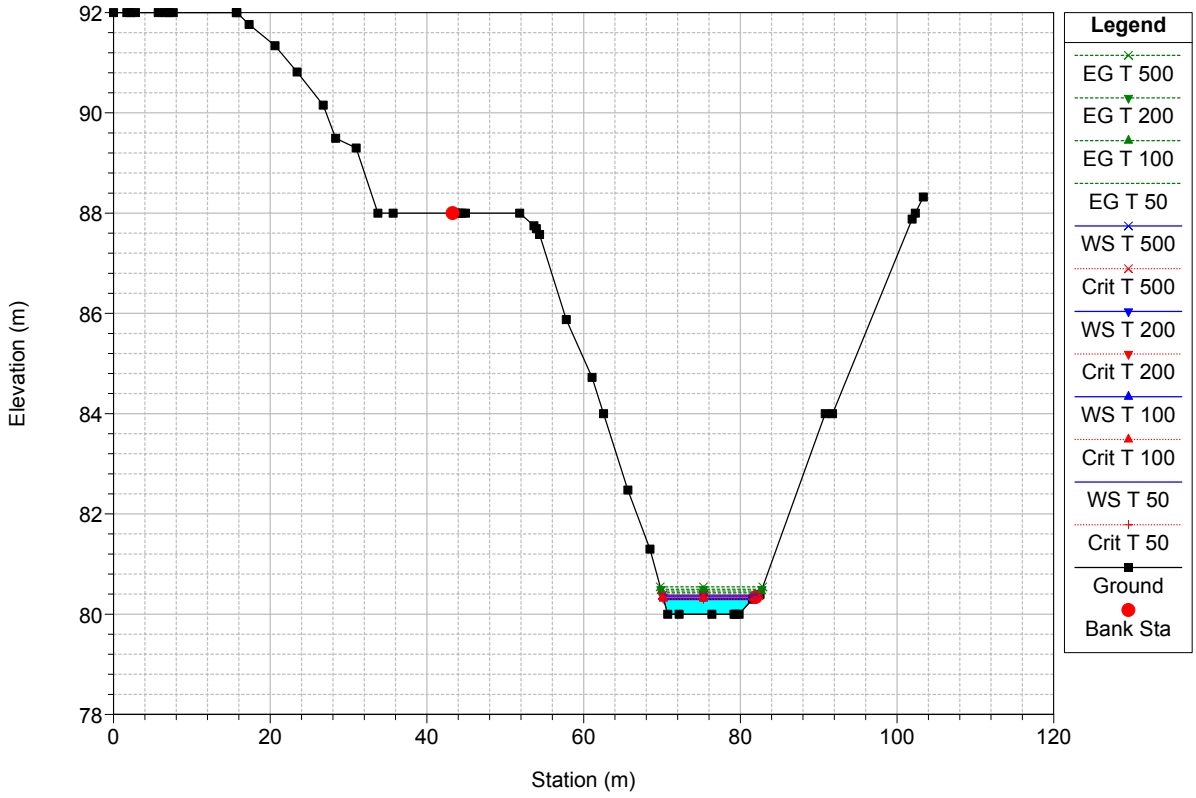
River = CSS Reach = CSS_UP RS = 1517



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

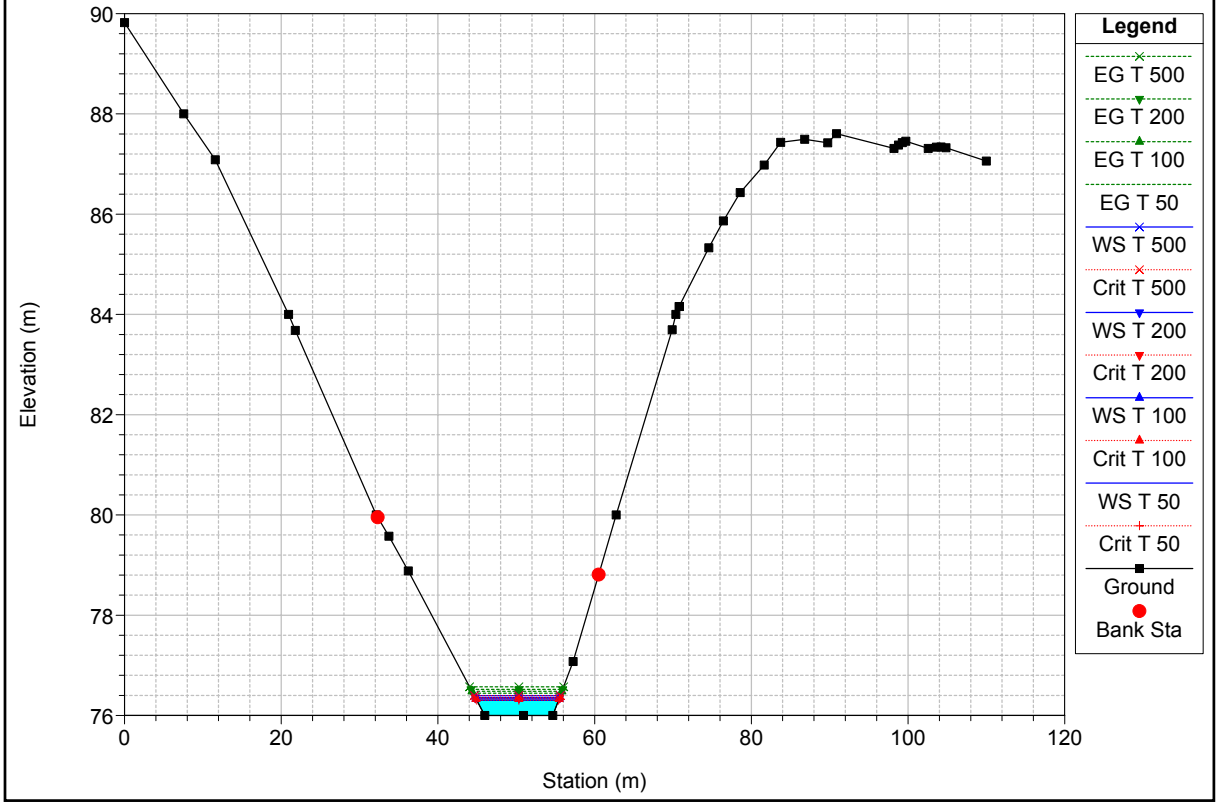
River = CSS Reach = CSS_UP RS = 1432



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

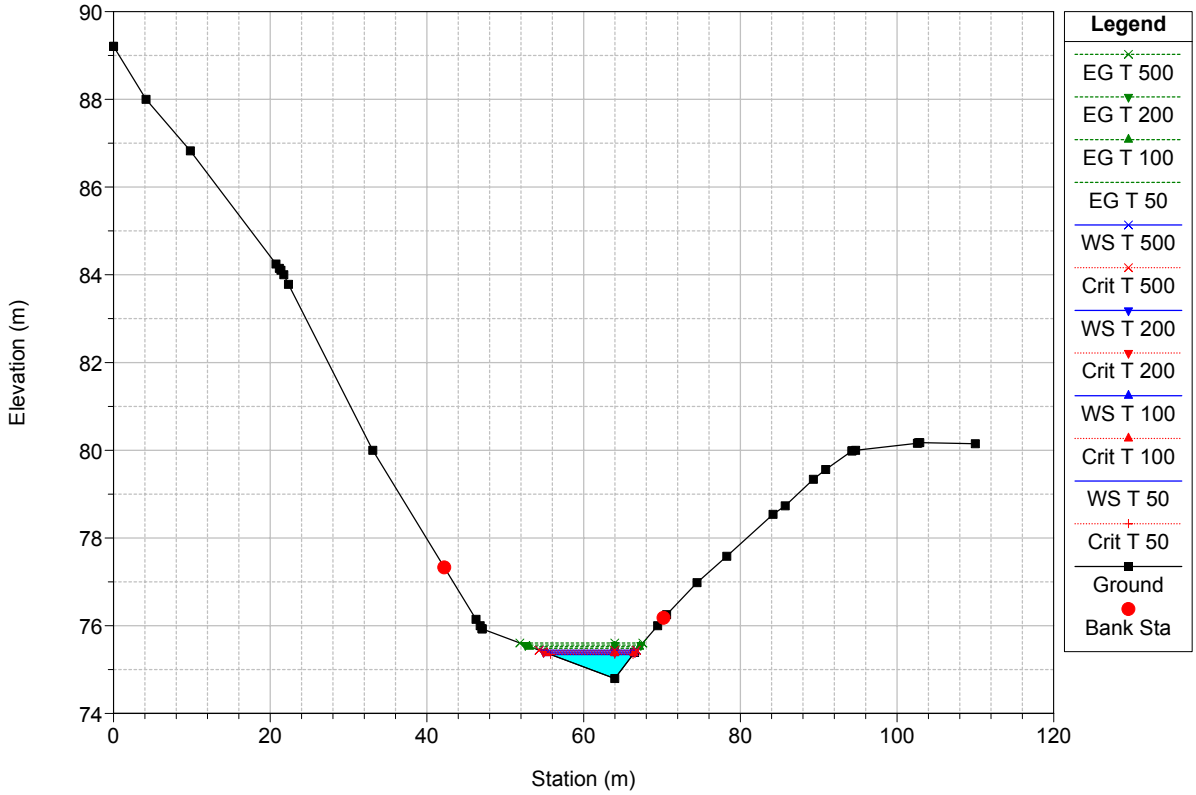
River = CSS Reach = CSS_UP RS = 1375



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

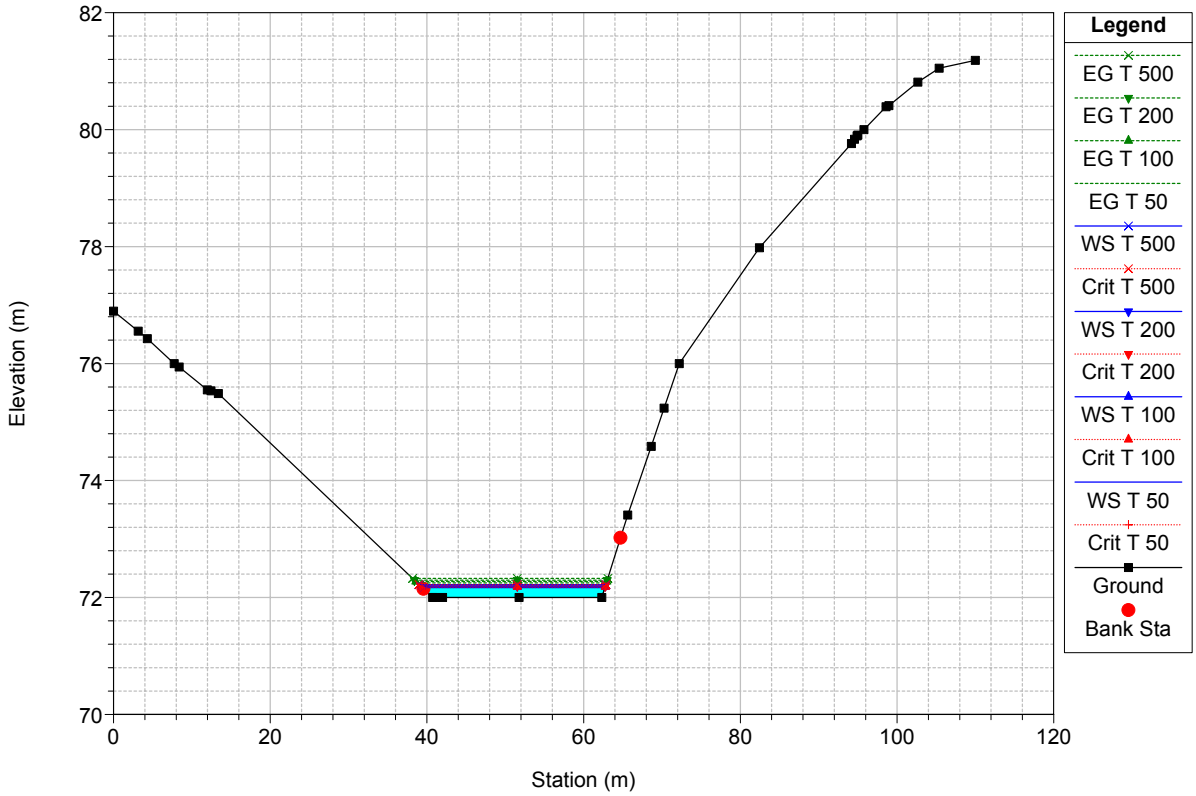
River = CSS Reach = CSS_UP RS = 1350



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

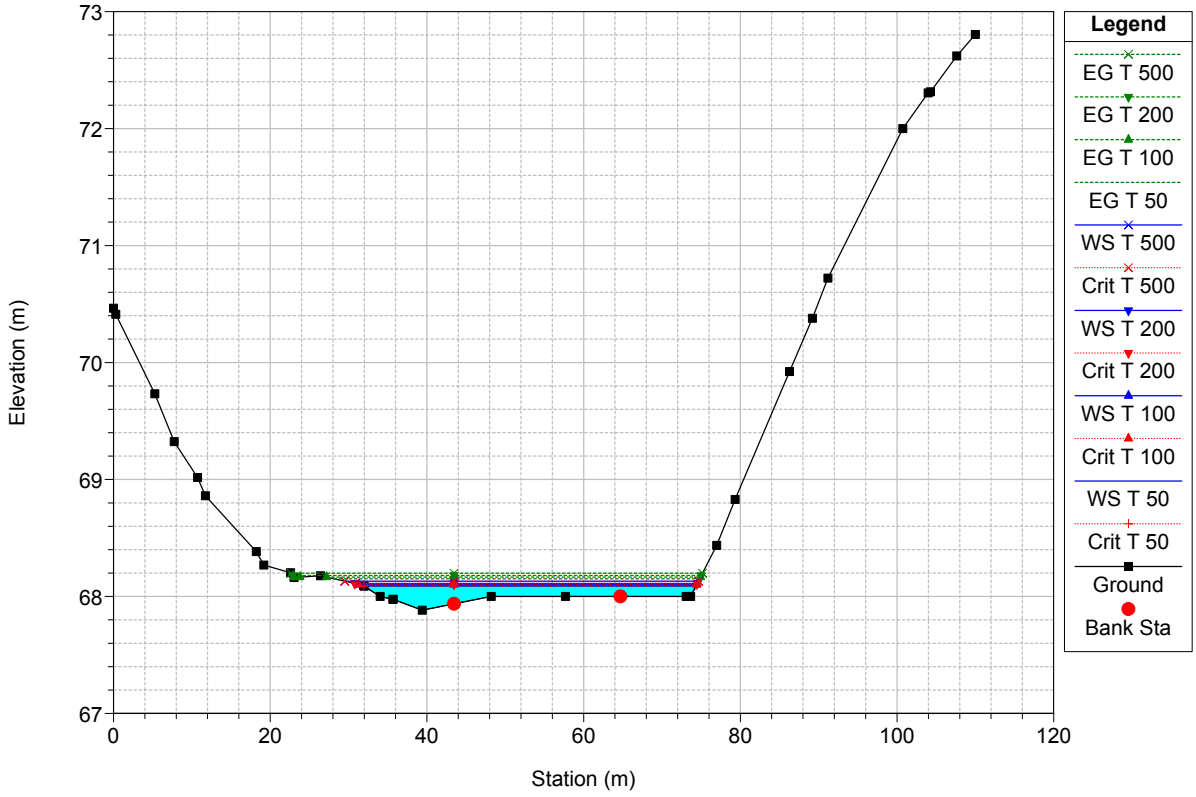
River = CSS Reach = CSS_UP RS = 1300



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

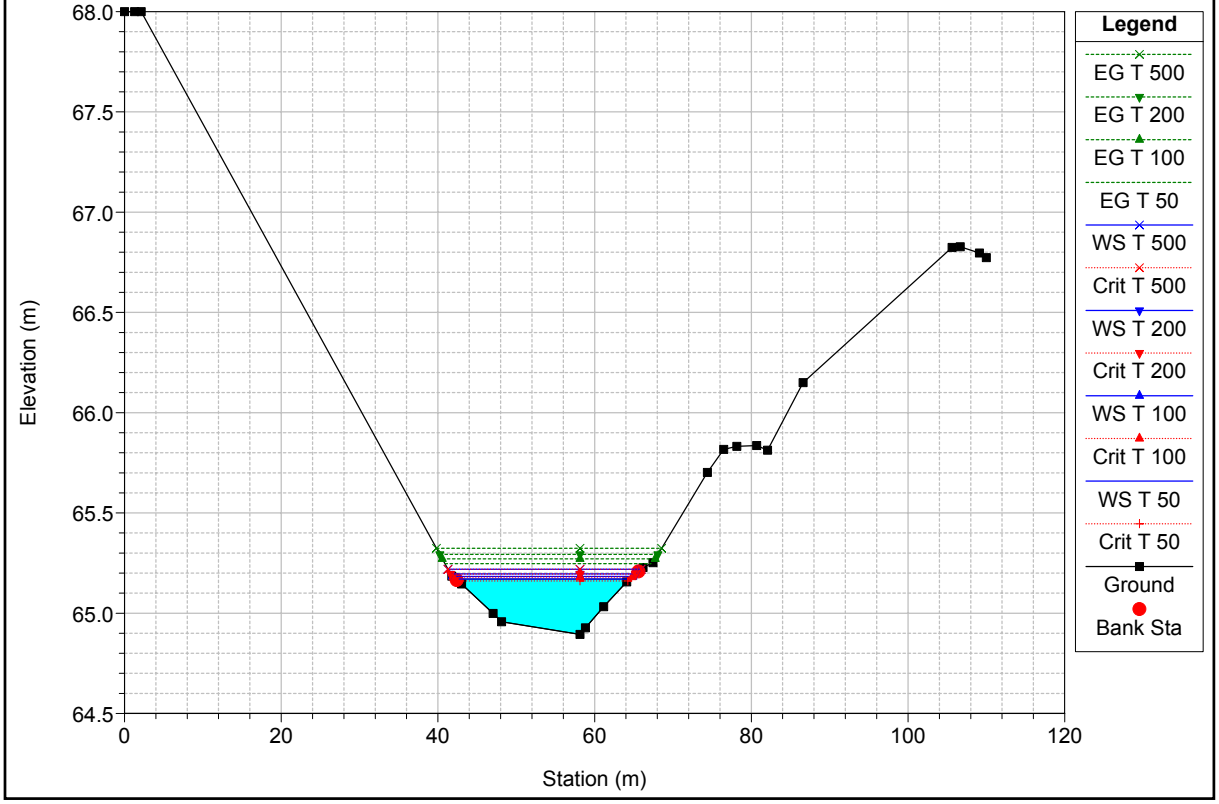
River = CSS Reach = CSS_UP RS = 1250



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

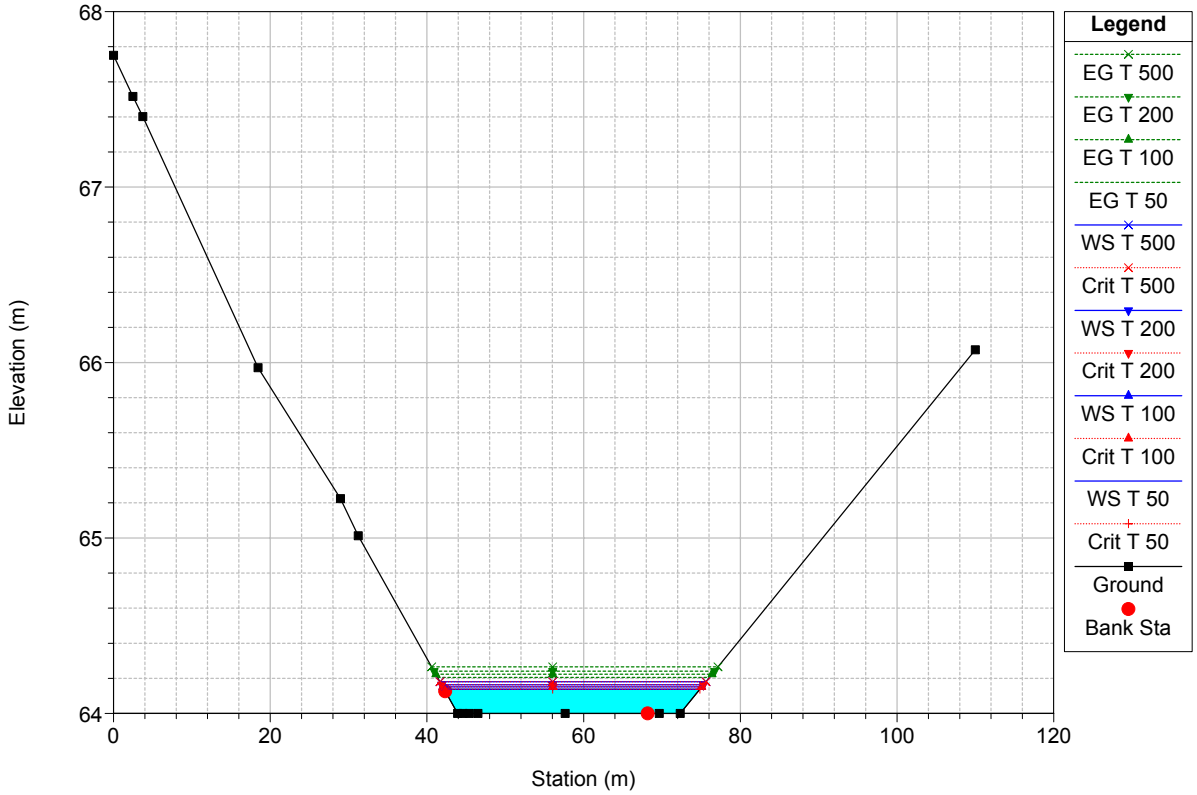
River = CSS Reach = CSS_UP RS = 1200



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

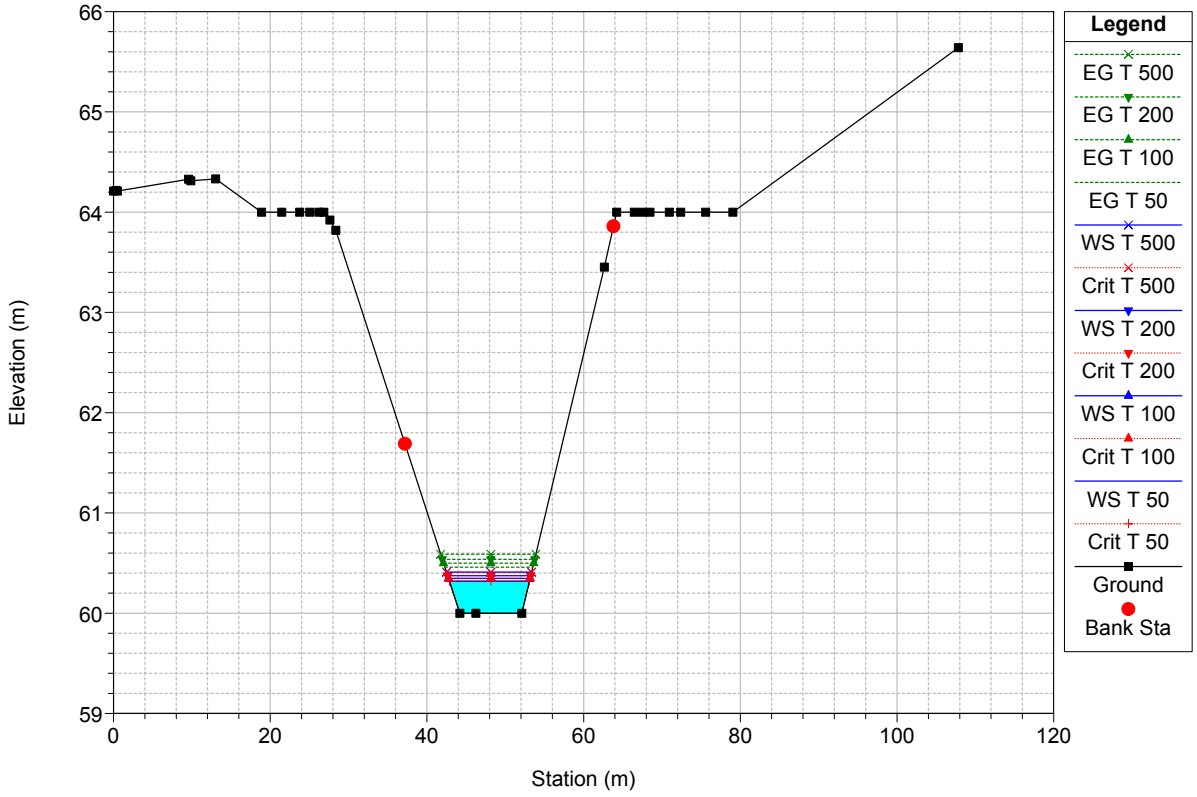
River = CSS Reach = CSS_UP RS = 1150



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

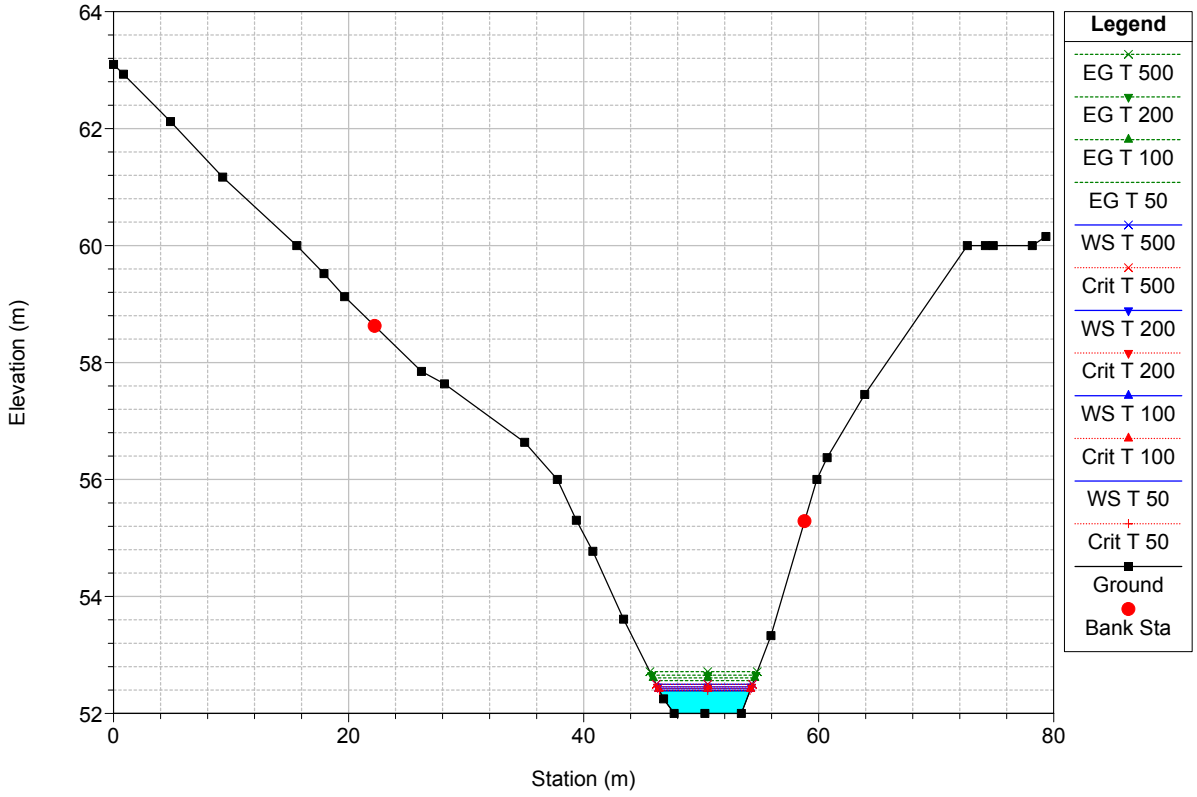
River = CSS Reach = CSS_UP RS = 1116



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

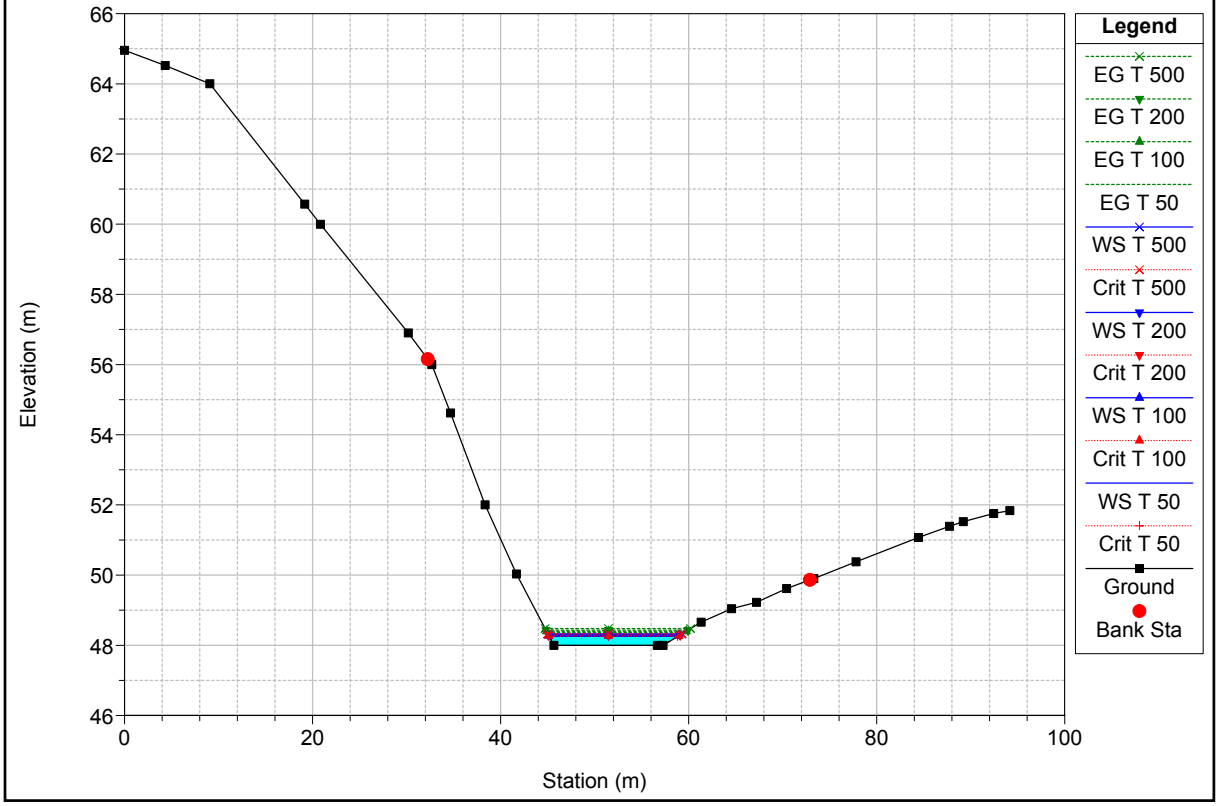
River = CSS Reach = CSS_UP RS = 1072



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

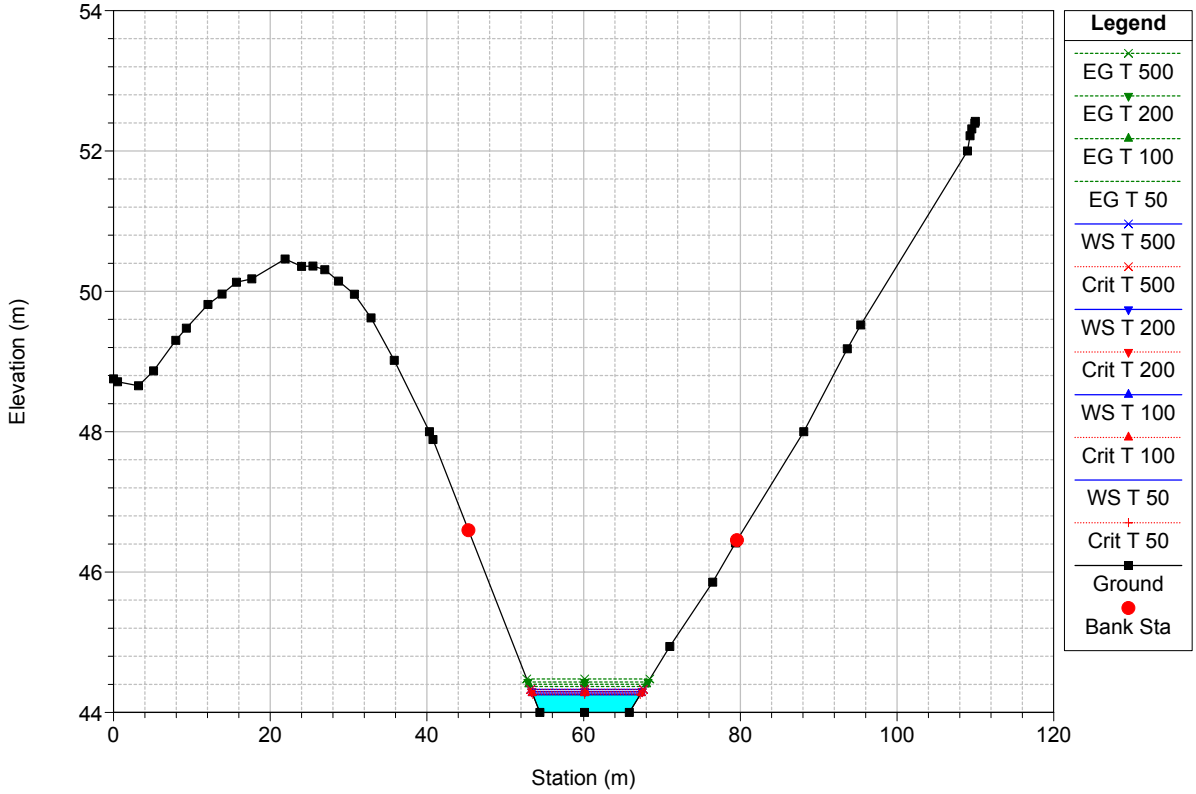
River = CSS Reach = CSS_UP RS = 1035



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

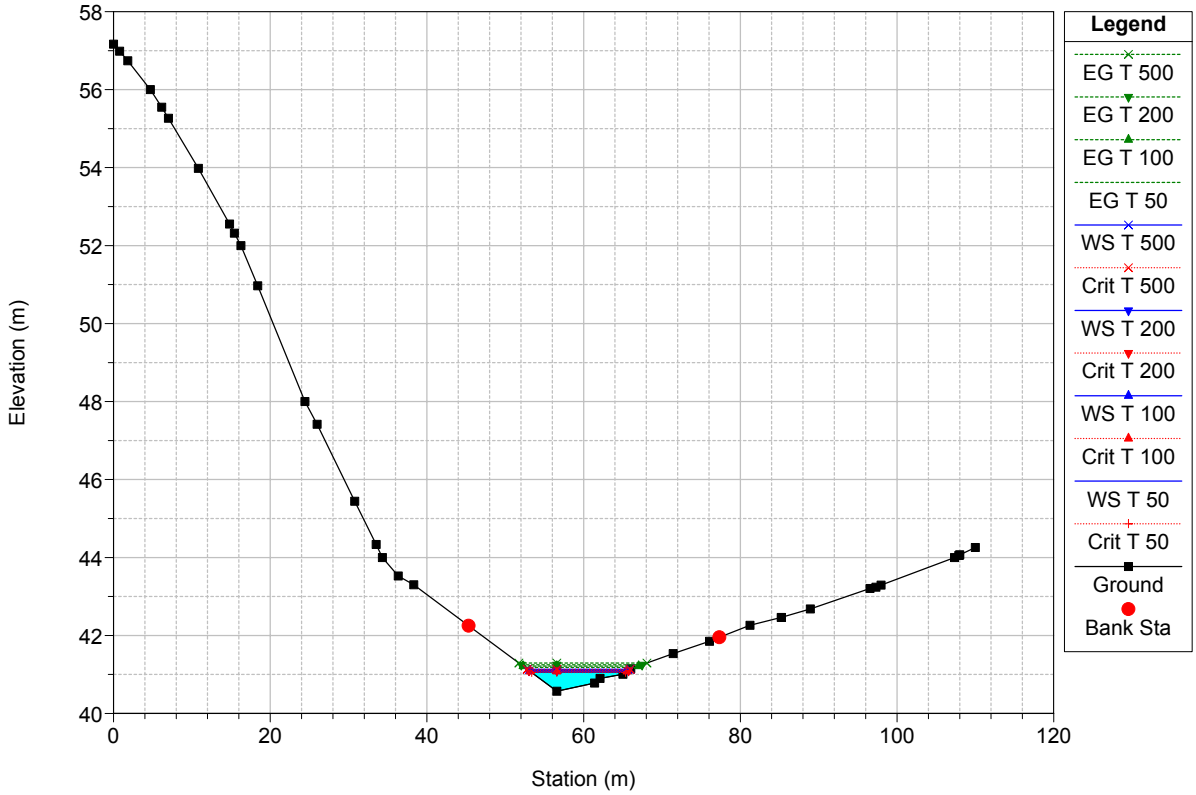
River = CSS Reach = CSS_UP RS = 1000



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

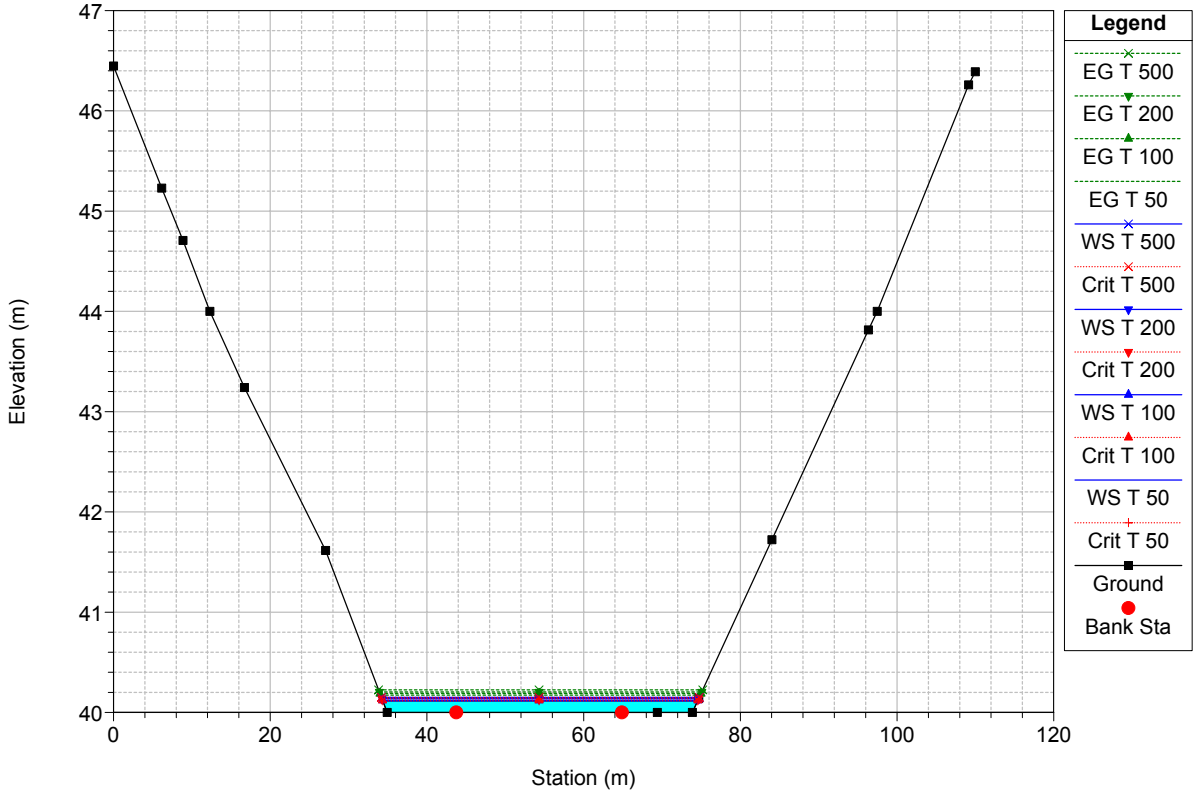
River = CSS Reach = CSS_UP RS = 950



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

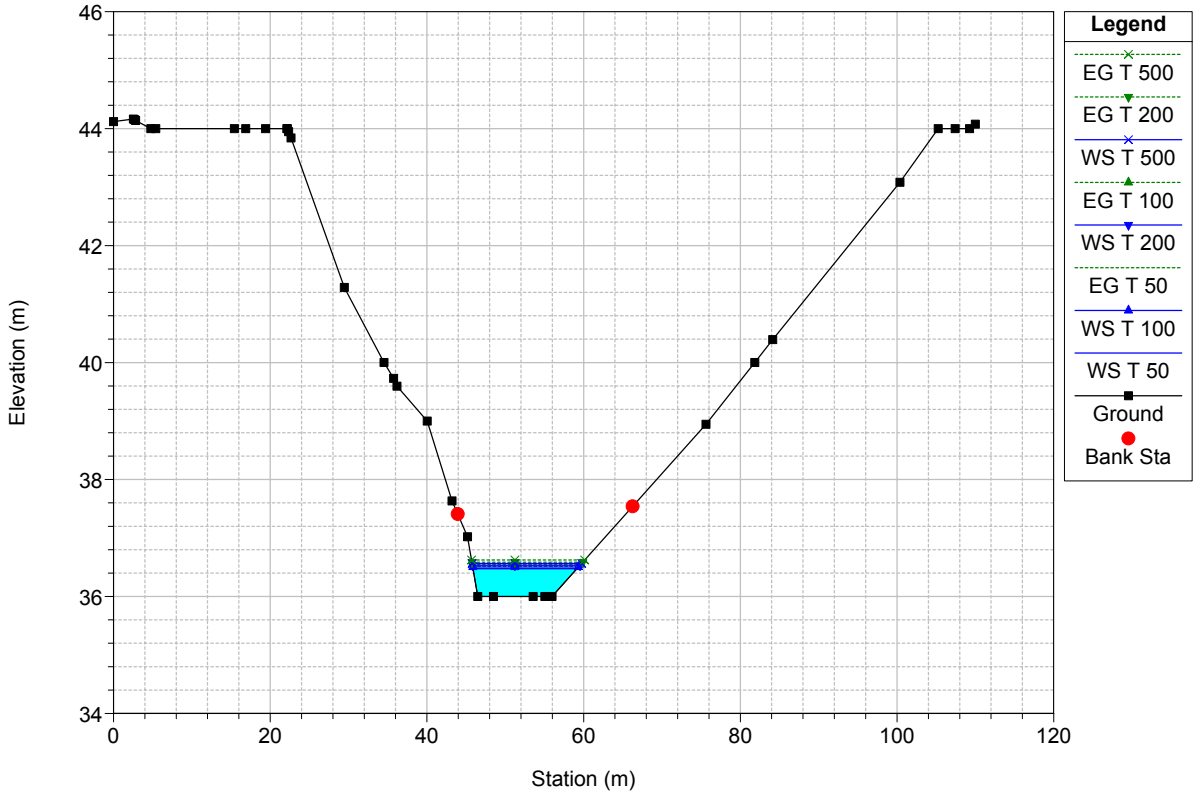
River = CSS Reach = CSS_UP RS = 900



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

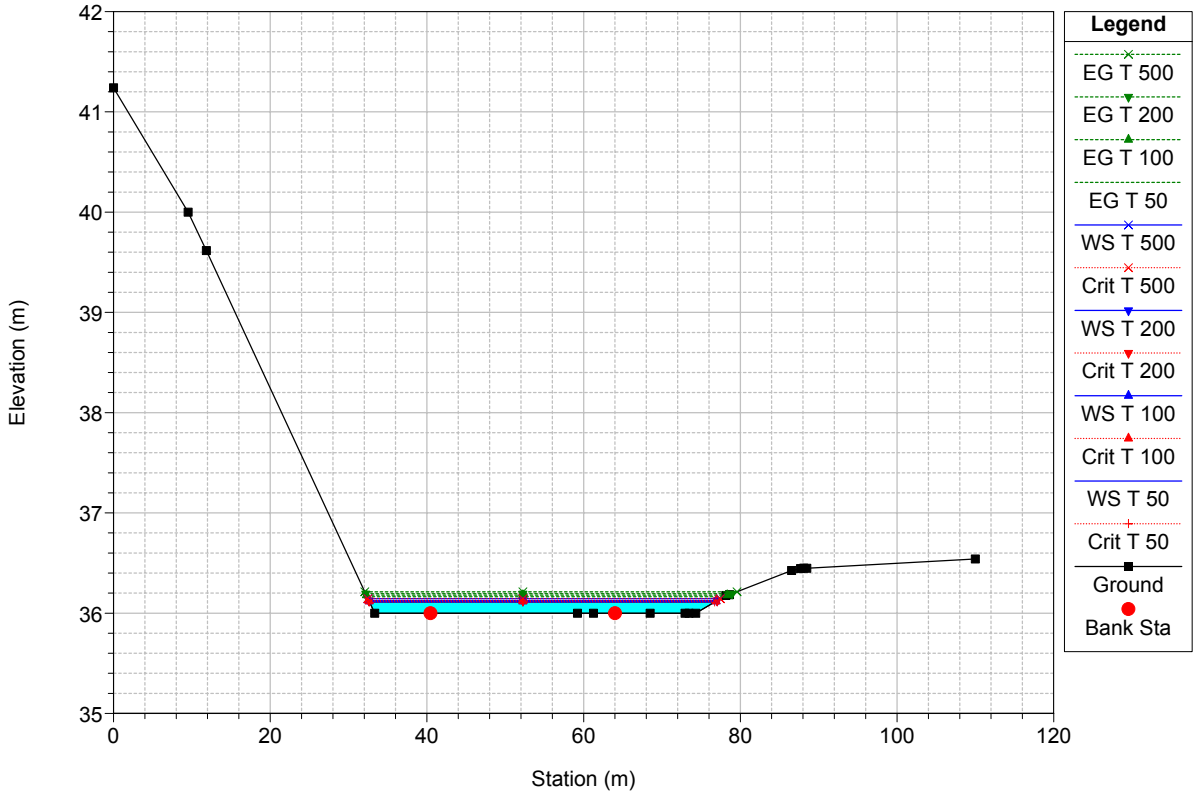
River = CSS Reach = CSS_UP RS = 850



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

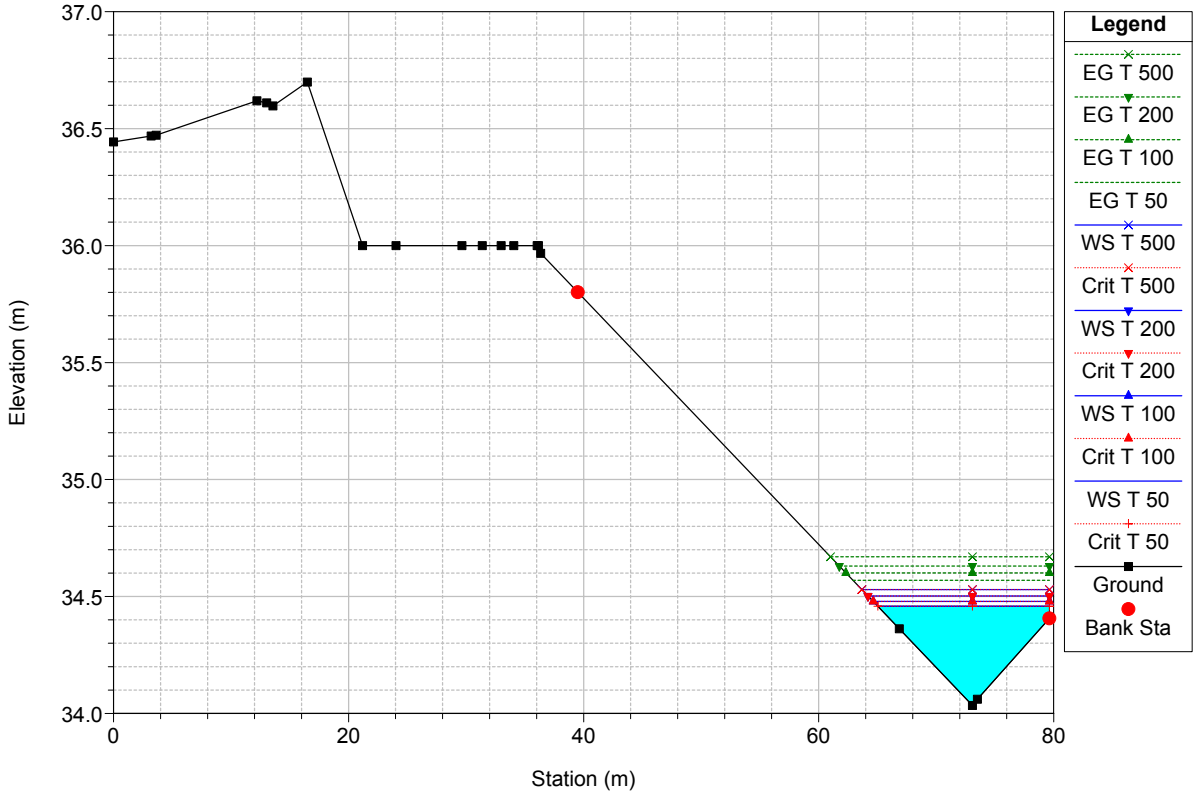
River = CSS Reach = CSS_UP RS = 800



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

River = CSS Reach = CSS_UP RS = 757



HEC-RAS Plan: Plan 01 River: CSS Reach: CSS_UP

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)	
CSS_UP	1750	T 50	4.81	100.81	101.26	101.26	101.39	0.016992	1.68	3.09	11.80	0.97
CSS_UP	1750	T 100	5.51	100.81	101.29	101.29	101.42	0.016646	1.74	3.41	12.18	0.97
CSS_UP	1750	T 200	6.21	100.81	101.31	101.31	101.46	0.016322	1.79	3.73	12.53	0.97
CSS_UP	1750	T 500	7.21	100.81	101.34	101.34	101.51	0.016096	1.87	4.16	13.00	0.98
CSS_UP	1700	T 50	4.81	96.00	96.52		96.57	0.003007	0.91	5.27	11.67	0.43
CSS_UP	1700	T 100	5.51	96.00	96.56		96.61	0.003191	0.97	5.65	11.87	0.45
CSS_UP	1700	T 200	6.21	96.00	96.59		96.64	0.003384	1.03	6.01	12.05	0.47
CSS_UP	1700	T 500	7.21	96.00	96.62		96.69	0.003665	1.12	6.44	12.27	0.49
CSS_UP	1650	T 50	4.81	96.00	96.16	96.16	96.25	0.022028	1.27	3.81	23.41	1.00
CSS_UP	1650	T 100	5.51	96.00	96.18	96.18	96.27	0.021791	1.34	4.15	23.46	1.01
CSS_UP	1650	T 200	6.21	96.00	96.20	96.20	96.29	0.020946	1.39	4.52	23.51	1.01
CSS_UP	1650	T 500	7.21	96.00	96.22	96.22	96.32	0.020252	1.46	5.00	23.58	1.00
CSS_UP	1600	T 50	4.81	92.00	92.19	92.19	92.28	0.021091	1.36	3.57	19.17	1.00
CSS_UP	1600	T 100	5.51	92.00	92.21	92.21	92.31	0.020897	1.43	3.89	19.24	1.01
CSS_UP	1600	T 200	6.21	92.00	92.22	92.22	92.33	0.020076	1.48	4.23	19.32	1.00
CSS_UP	1600	T 500	7.21	92.00	92.25	92.25	92.37	0.019407	1.55	4.69	19.42	1.00
CSS_UP	1550	T 50	4.81	88.00	88.41		88.48	0.006447	1.16	4.14	11.36	0.61
CSS_UP	1550	T 100	5.51	88.00	88.44		88.52	0.006401	1.21	4.54	11.56	0.62
CSS_UP	1550	T 200	6.21	88.00	88.46		88.55	0.007121	1.31	4.74	11.66	0.66
CSS_UP	1550	T 500	7.21	88.00	88.49		88.59	0.007502	1.40	5.14	11.87	0.68
CSS_UP	1517	T 50	4.81	87.54	88.06	88.06	88.15	0.018017	1.19	3.85	20.96	0.91
CSS_UP	1517	T 100	5.51	87.54	88.07	88.07	88.17	0.020781	1.32	4.00	21.00	0.99
CSS_UP	1517	T 200	6.21	87.54	88.10	88.10	88.19	0.017690	1.32	4.54	21.13	0.93
CSS_UP	1517	T 500	7.21	87.54	88.11	88.11	88.22	0.019188	1.44	4.86	21.21	0.98
CSS_UP	1432	T 50	4.81	80.00	80.29	80.29	80.42	0.018852	1.61	2.99	11.29	1.00
CSS_UP	1432	T 100	5.51	80.00	80.32	80.32	80.46	0.019375	1.70	3.25	11.53	1.02
CSS_UP	1432	T 200	6.21	80.00	80.35	80.35	80.50	0.018110	1.73	3.60	11.90	1.00
CSS_UP	1432	T 500	7.21	80.00	80.38	80.38	80.54	0.017399	1.81	4.00	12.30	1.00
CSS_UP	1375	T 50	4.81	76.00	76.30	76.30	76.44	0.018882	1.66	2.90	10.45	1.01
CSS_UP	1375	T 100	5.51	76.00	76.33	76.33	76.48	0.018282	1.72	3.20	10.61	1.00
CSS_UP	1375	T 200	6.21	76.00	76.36	76.36	76.52	0.017795	1.78	3.48	10.77	1.00
CSS_UP	1375	T 500	7.21	76.00	76.39	76.39	76.57	0.017232	1.86	3.88	10.98	1.00
CSS_UP	1350	T 50	4.81	74.79	75.34	75.34	75.48	0.019257	1.67	2.89	10.52	1.01
CSS_UP	1350	T 100	5.51	74.79	75.37	75.37	75.52	0.018795	1.71	3.23	11.12	1.01
CSS_UP	1350	T 200	6.21	74.79	75.40	75.40	75.56	0.018602	1.75	3.54	11.66	1.01
CSS_UP	1350	T 500	7.21	74.79	75.44	75.44	75.61	0.018236	1.80	4.00	12.40	1.01
CSS_UP	1300	T 50	4.81	72.00	72.17	72.17	72.25	0.022029	1.27	3.79	23.32	1.00
CSS_UP	1300	T 100	5.51	72.00	72.18	72.18	72.27	0.021181	1.32	4.17	23.48	1.00
CSS_UP	1300	T 200	6.21	72.00	72.20	72.20	72.30	0.020907	1.38	4.51	23.63	1.00
CSS_UP	1300	T 500	7.21	72.00	72.22	72.22	72.33	0.019924	1.44	5.01	23.84	0.99
CSS_UP	1250	T 50	4.81	67.94	68.09	68.09	68.15	0.025968	0.98	4.54	42.41	1.00
CSS_UP	1250	T 100	5.51	67.94	68.10	68.10	68.17	0.024789	1.03	5.05	43.14	0.99
CSS_UP	1250	T 200	6.21	67.94	68.11	68.11	68.18	0.025877	1.11	5.40	43.73	1.03
CSS_UP	1250	T 500	7.21	67.94	68.13	68.13	68.20	0.022672	1.14	6.25	45.13	0.99
CSS_UP	1200	T 50	4.81	64.89	65.17	65.16	65.25	0.018734	1.23	3.91	22.26	0.93
CSS_UP	1200	T 100	5.51	64.89	65.18	65.18	65.27	0.019811	1.31	4.20	23.06	0.97
CSS_UP	1200	T 200	6.21	64.89	65.20	65.20	65.29	0.020550	1.38	4.50	23.65	1.00
CSS_UP	1200	T 500	7.21	64.89	65.22	65.22	65.32	0.019422	1.43	5.06	24.64	0.98
CSS_UP	1150	T 50	4.81	64.00	64.14	64.14	64.20	0.024446	1.17	4.20	32.63	1.02
CSS_UP	1150	T 100	5.51	64.00	64.15	64.15	64.22	0.023325	1.22	4.64	33.04	1.01
CSS_UP	1150	T 200	6.21	64.00	64.16	64.16	64.24	0.022663	1.26	5.04	33.41	1.01
CSS_UP	1150	T 500	7.21	64.00	64.18	64.18	64.27	0.021601	1.32	5.62	33.94	1.00
CSS_UP	1116	T 50	4.81	60.00	60.32	60.32	60.46	0.018439	1.66	2.89	10.22	1.00
CSS_UP	1116	T 100	5.51	60.00	60.35	60.35	60.50	0.017980	1.73	3.19	10.42	1.00
CSS_UP	1116	T 200	6.21	60.00	60.37	60.37	60.54	0.017592	1.79	3.47	10.62	1.00
CSS_UP	1116	T 500	7.21	60.00	60.41	60.41	60.59	0.017440	1.87	3.85	10.87	1.01
CSS_UP	1072	T 50	4.81	52.00	52.39	52.39	52.56	0.017675	1.83	2.63	7.69	1.00
CSS_UP	1072	T 100	5.51	52.00	52.42	52.42	52.61	0.017483	1.91	2.88	7.84	1.01
CSS_UP	1072	T 200	6.21	52.00	52.46	52.46	52.65	0.017057	1.97	3.15	7.98	1.00
CSS_UP	1072	T 500	7.21	52.00	52.50	52.50	52.72	0.016678	2.06	3.50	8.18	1.01
CSS_UP	1035	T 50	4.81	48.00	48.25	48.25	48.37	0.019740	1.51	3.18	13.65	1.00
CSS_UP	1035	T 100	5.51	48.00	48.27	48.27	48.40	0.019297	1.58	3.49	13.84	1.00
CSS_UP	1035	T 200	6.21	48.00	48.30	48.30	48.43	0.018652	1.63	3.81	14.02	1.00
CSS_UP	1035	T 500	7.21	48.00	48.33	48.33	48.47	0.018363	1.71	4.22	14.26	1.00
CSS_UP	1000	T 50	4.81	44.00	44.25	44.25	44.37	0.019670	1.51	3.19	13.71	1.00
CSS_UP	1000	T 100	5.51	44.00	44.28	44.28	44.40	0.019154	1.57	3.50	13.92	1.00
CSS_UP	1000	T 200	6.21	44.00	44.30	44.30	44.43	0.018874	1.63	3.80	14.11	1.00
CSS_UP	1000	T 500	7.21	44.00	44.33	44.33	44.48	0.018240	1.70	4.24	14.38	1.00
CSS_UP	950	T 50	4.81	40.57	41.06	41.05	41.18	0.016628	1.51	3.19	12.16	0.94
CSS_UP	950	T 100	5.51	40.57	41.09	41.08	41.22	0.016296	1.56	3.53	12.54	0.94

HEC-RAS Plan: Plan 01 River: CSS Reach: CSS_UP (Continued)

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)	
CSS_UP	950	T 200	6.21	40.57	41.10	41.10	41.25	0.018287	1.69	3.68	12.71	1.00
CSS_UP	950	T 500	7.21	40.57	41.13	41.13	41.29	0.018314	1.77	4.08	13.13	1.01
CSS_UP	900	T 50	4.81	40.00	40.11	40.11	40.17	0.025243	1.07	4.54	40.20	1.01
CSS_UP	900	T 100	5.51	40.00	40.12	40.12	40.19	0.027016	1.15	4.83	40.27	1.06
CSS_UP	900	T 200	6.21	40.00	40.14	40.14	40.20	0.023499	1.16	5.42	40.43	1.00
CSS_UP	900	T 500	7.21	40.00	40.15	40.15	40.22	0.023144	1.23	5.96	40.57	1.01
CSS_UP	850	T 50	4.81	36.00	36.48		36.52	0.003272	0.89	5.41	13.26	0.44
CSS_UP	850	T 100	5.51	36.00	36.50		36.55	0.003486	0.95	5.80	13.49	0.46
CSS_UP	850	T 200	6.21	36.00	36.54		36.59	0.003598	1.00	6.21	13.73	0.47
CSS_UP	850	T 500	7.21	36.00	36.56		36.62	0.004036	1.09	6.61	13.96	0.51
CSS_UP	800	T 50	4.81	36.00	36.11	36.11	36.16	0.025177	1.05	4.71	44.04	1.00
CSS_UP	800	T 100	5.51	36.00	36.12	36.12	36.18	0.025557	1.11	5.09	44.28	1.02
CSS_UP	800	T 200	6.21	36.00	36.13	36.13	36.19	0.027535	1.19	5.36	44.45	1.07
CSS_UP	800	T 500	7.21	36.00	36.14	36.14	36.21	0.023419	1.20	6.18	44.96	1.01
CSS_UP	757	T 50	4.81	34.03	34.46	34.46	34.57	0.019916	1.48	3.26	14.60	1.00
CSS_UP	757	T 100	5.51	34.03	34.48	34.48	34.60	0.020117	1.55	3.56	14.99	1.01
CSS_UP	757	T 200	6.21	34.03	34.50	34.50	34.63	0.019317	1.58	3.92	15.44	1.00
CSS_UP	757	T 500	7.21	34.03	34.53	34.53	34.67	0.019334	1.66	4.35	15.96	1.01

IL BACINO CALA SASSARI SUD - 2

N
W
E
S

0 35 70 140 210 280

Meters

1:4 000

ALTIMETRIA

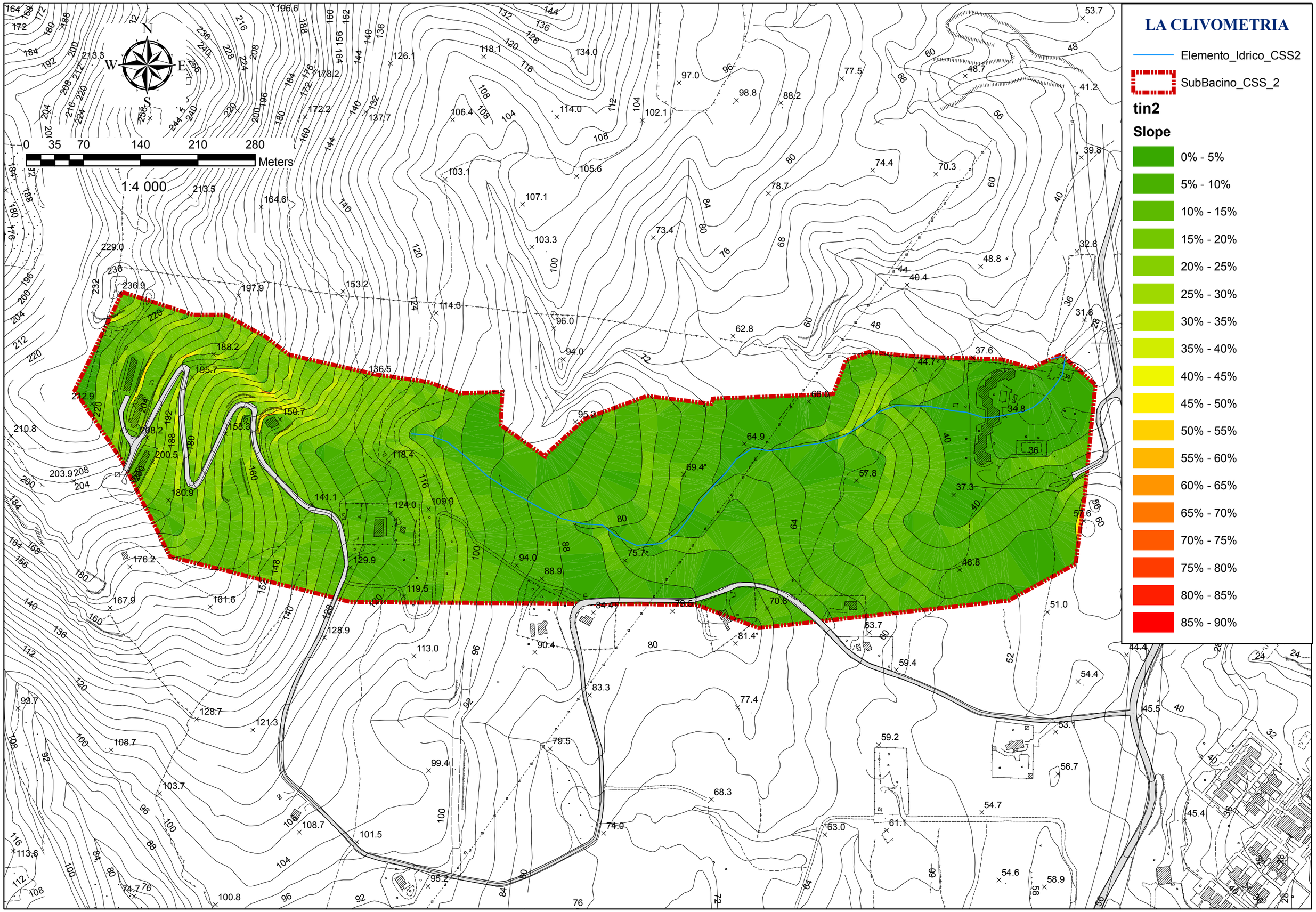
Elemento_Idrico_CSS2

SubBacino_CSS_2

tin2

Elevation

- 213 - 235
- 190 - 213
- 168 - 190
- 145 - 168
- 122 - 145
- 100 - 122
- 77 - 100
- 55 - 77
- 32 - 55


0 35 70 140 210 280
Meters
1:4 000
N
W
E
S
LA CLIVOMETRIA
Elemento_Idrico_CSS2
SubBacino_CSS_2
tin2
Slope
0% - 5%
5% - 10%
10% - 15%
15% - 20%
20% - 25%
25% - 30%
30% - 35%
35% - 40%
40% - 45%
45% - 50%
50% - 55%
55% - 60%
60% - 65%
65% - 70%
70% - 75%
75% - 80%
80% - 85%
85% - 90%

CLIVOMETRIA ALVEO

Elemento_Idrico_CSS2

SubBacino_CSS_2

tin Alv2

Slope

- 0% - 1.47%
- 1.47% - 3.83%
- 3.83% - 5.45%
- 5.45% - 6.99%
- 6.99% - 9.03%
- 9.03% - 12.11%
- 12.11% - 16.94%
- 16.94% - 33.39%
- 33.39% - 90%

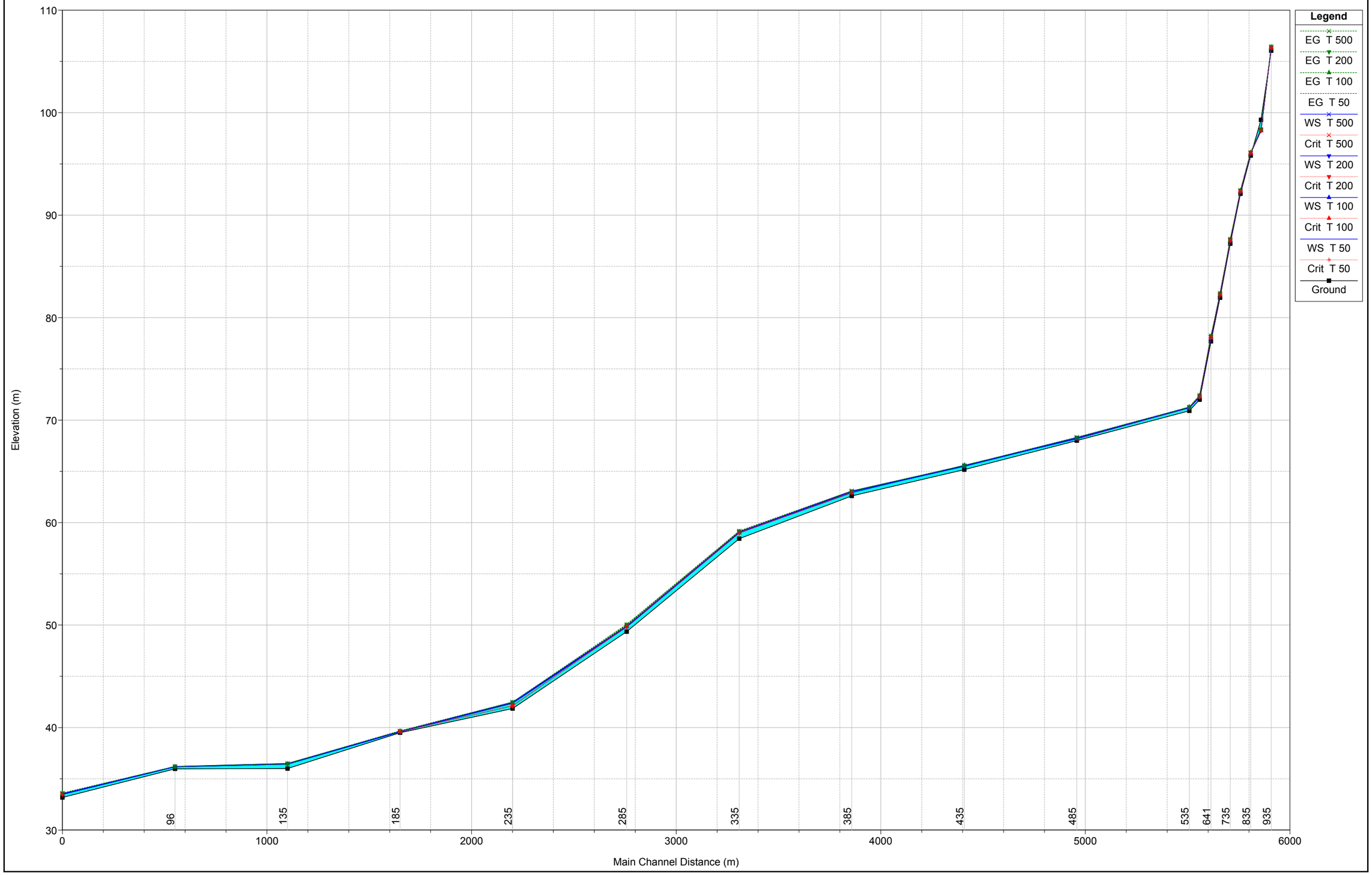
N W E S

0 35 70 140 210 280 Meters

1:4 000

CalaSassariSud Plan: Plan 01 05/09/2014

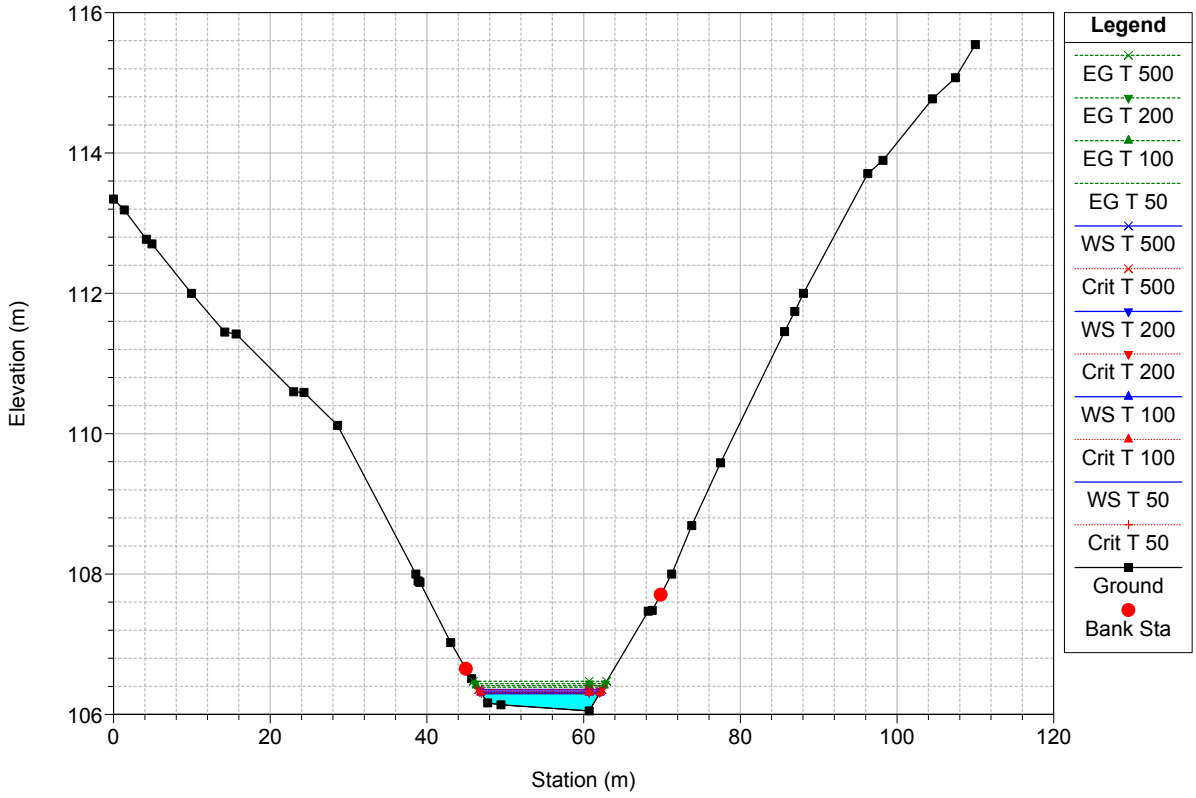
Flow: PORTATE



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

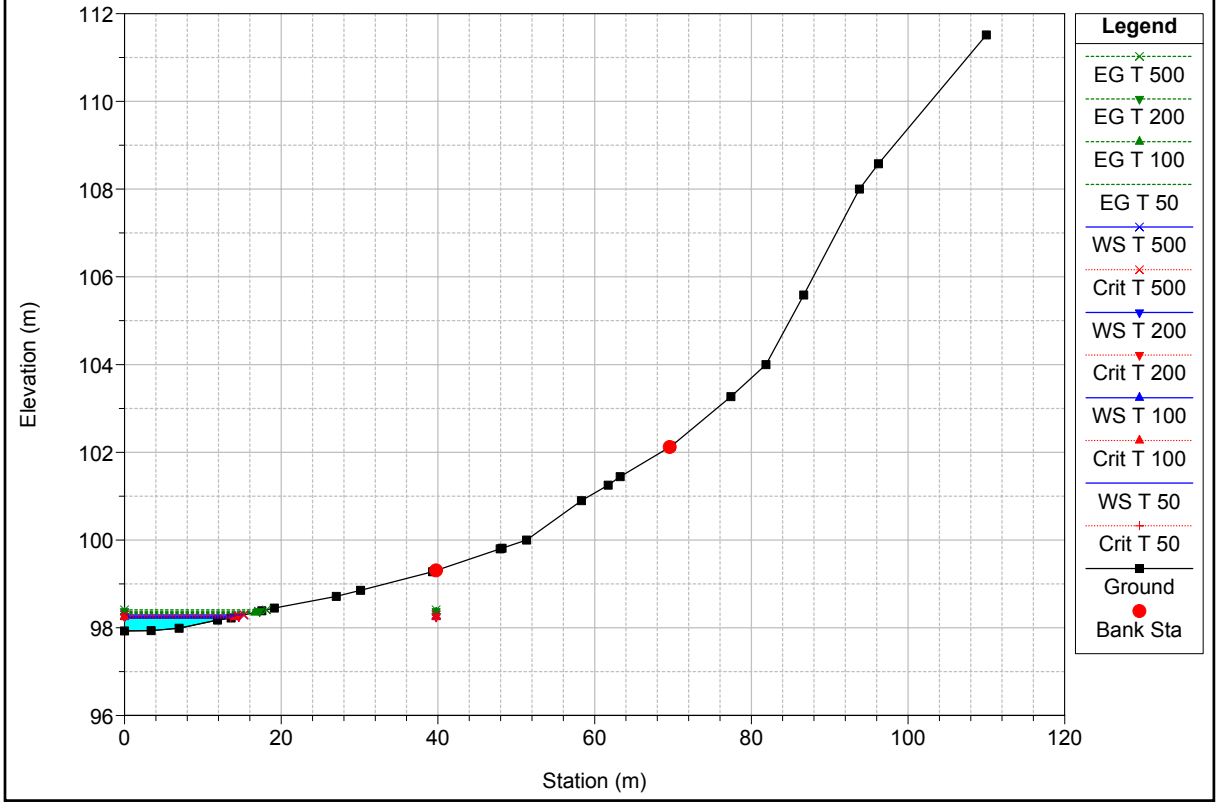
River = Affl Reach = dx RS = 935

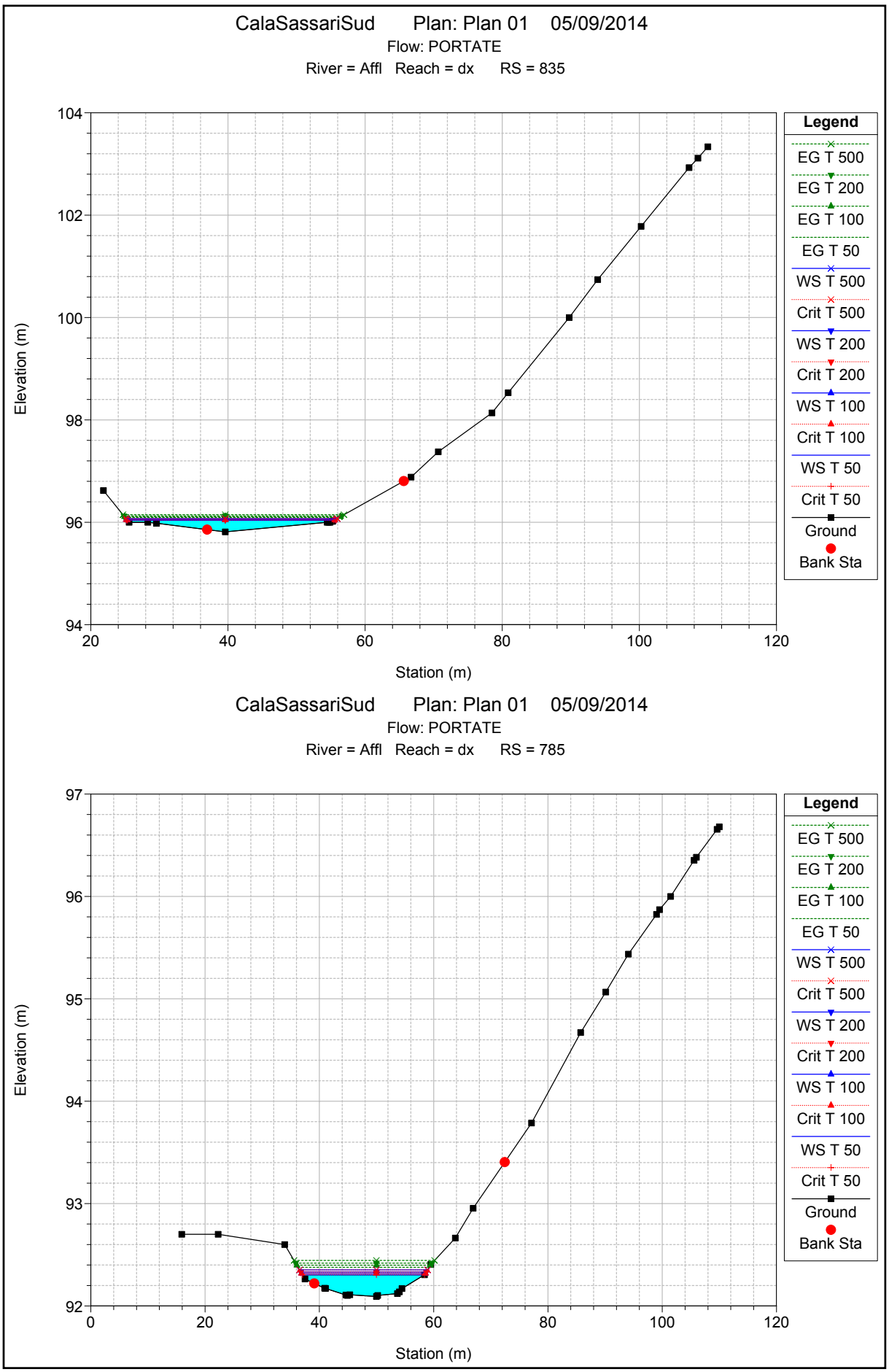


CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

River = Affl Reach = dx RS = 885

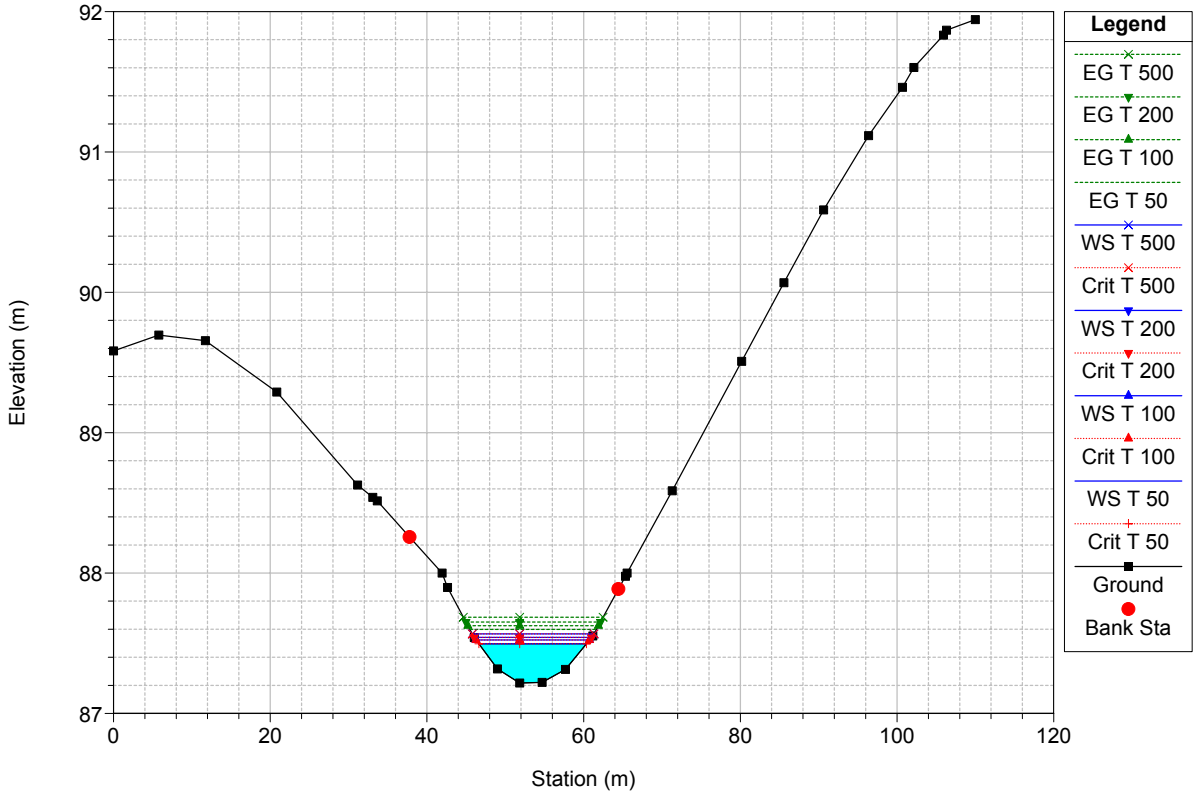



CalaSassariSud Plan: Plan 01 05/09/2014
Flow: PORTATE
River = Affl Reach = dx RS = 835
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta
CalaSassariSud Plan: Plan 01 05/09/2014
Flow: PORTATE
River = Affl Reach = dx RS = 785
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta

CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

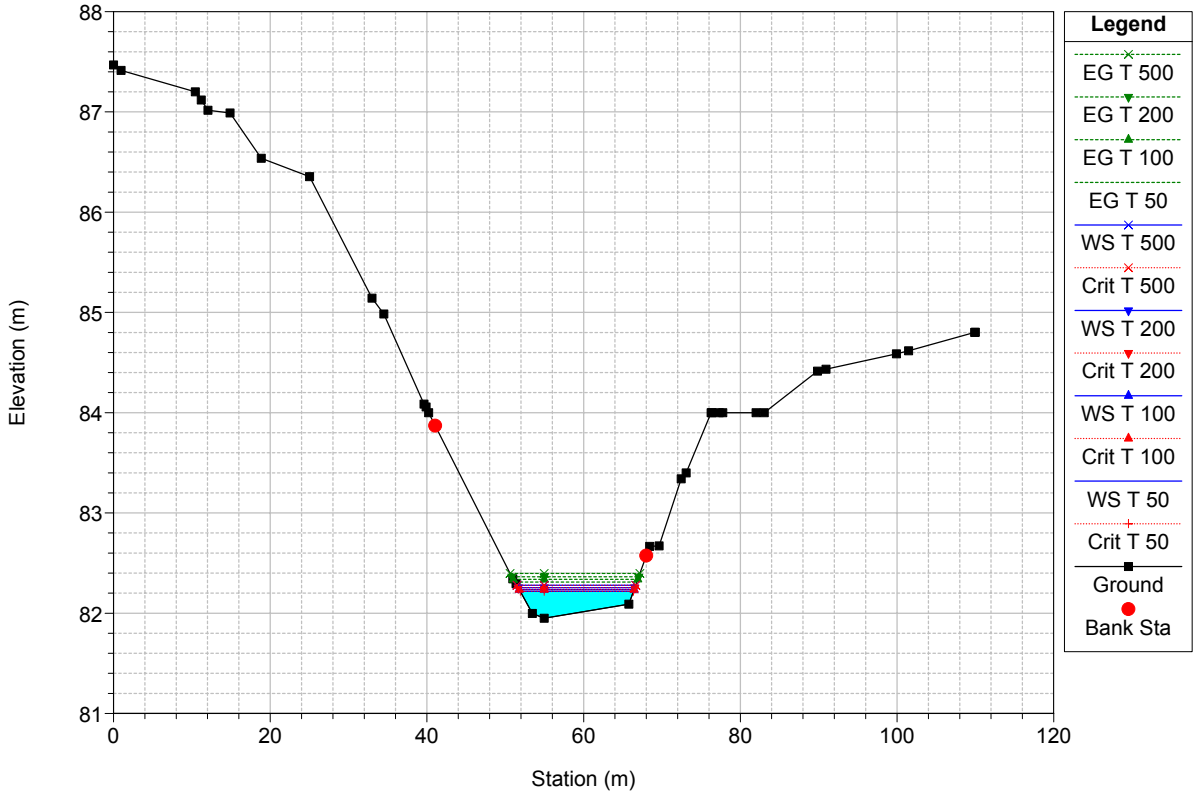
River = Affl Reach = dx RS = 735



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

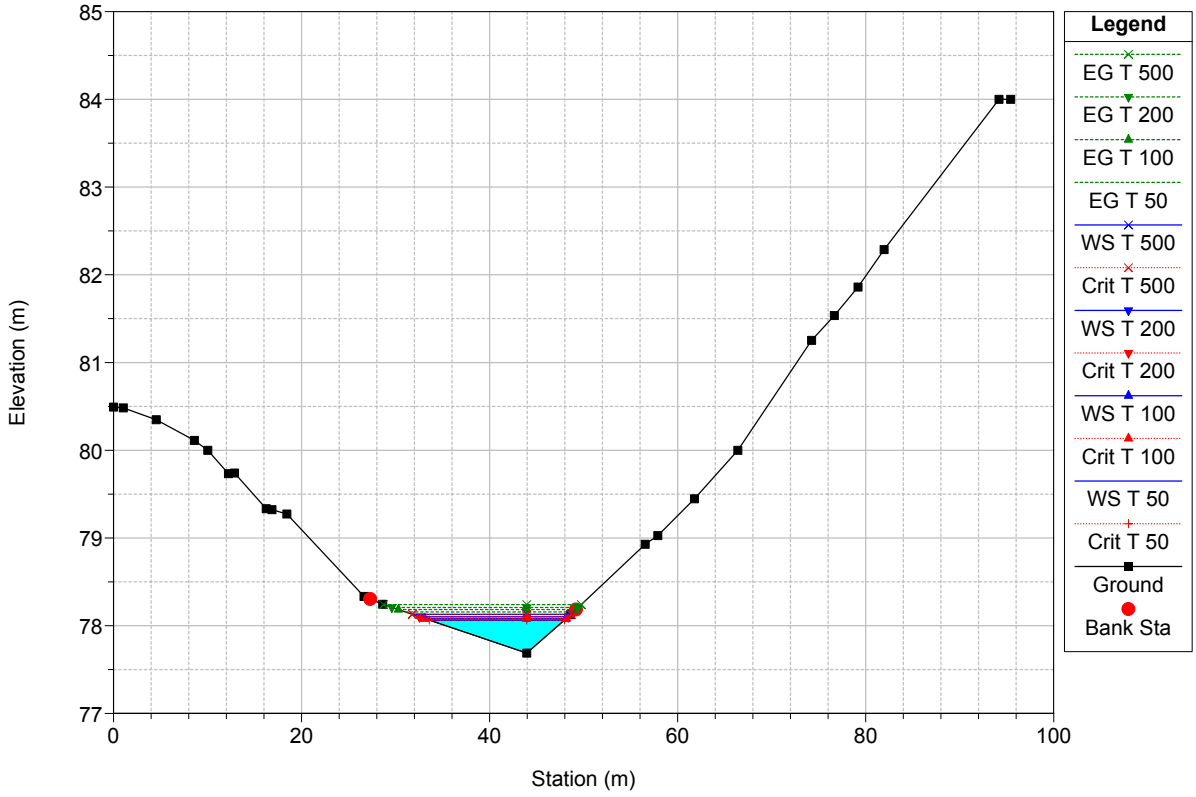
River = Affl Reach = dx RS = 685



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

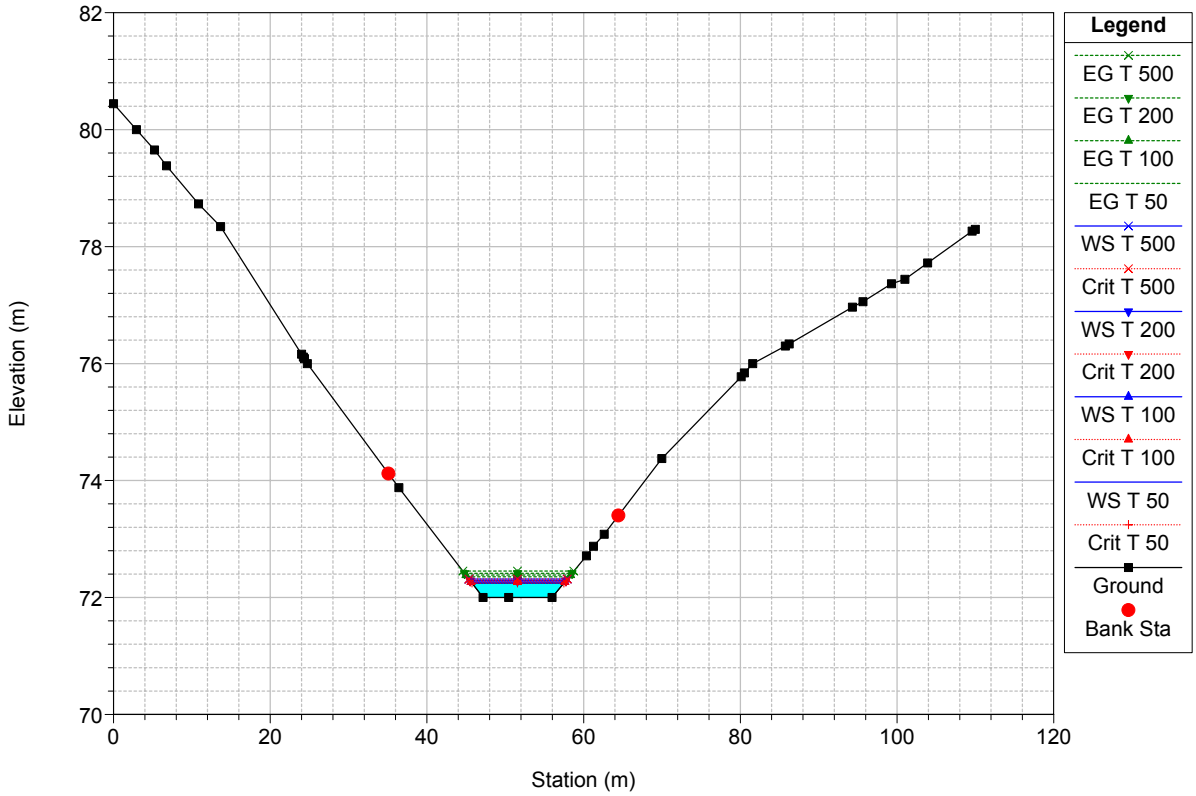
River = Affl Reach = dx RS = 641



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

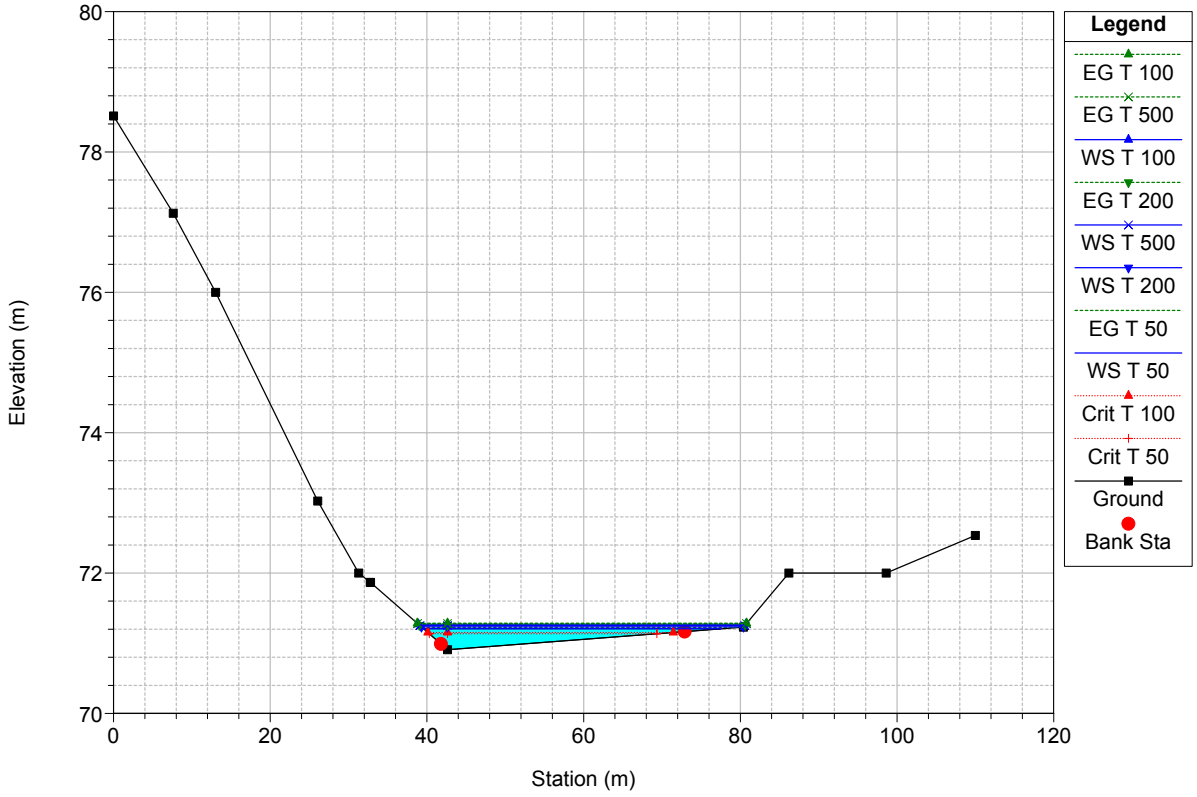
River = Affl Reach = dx RS = 585



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

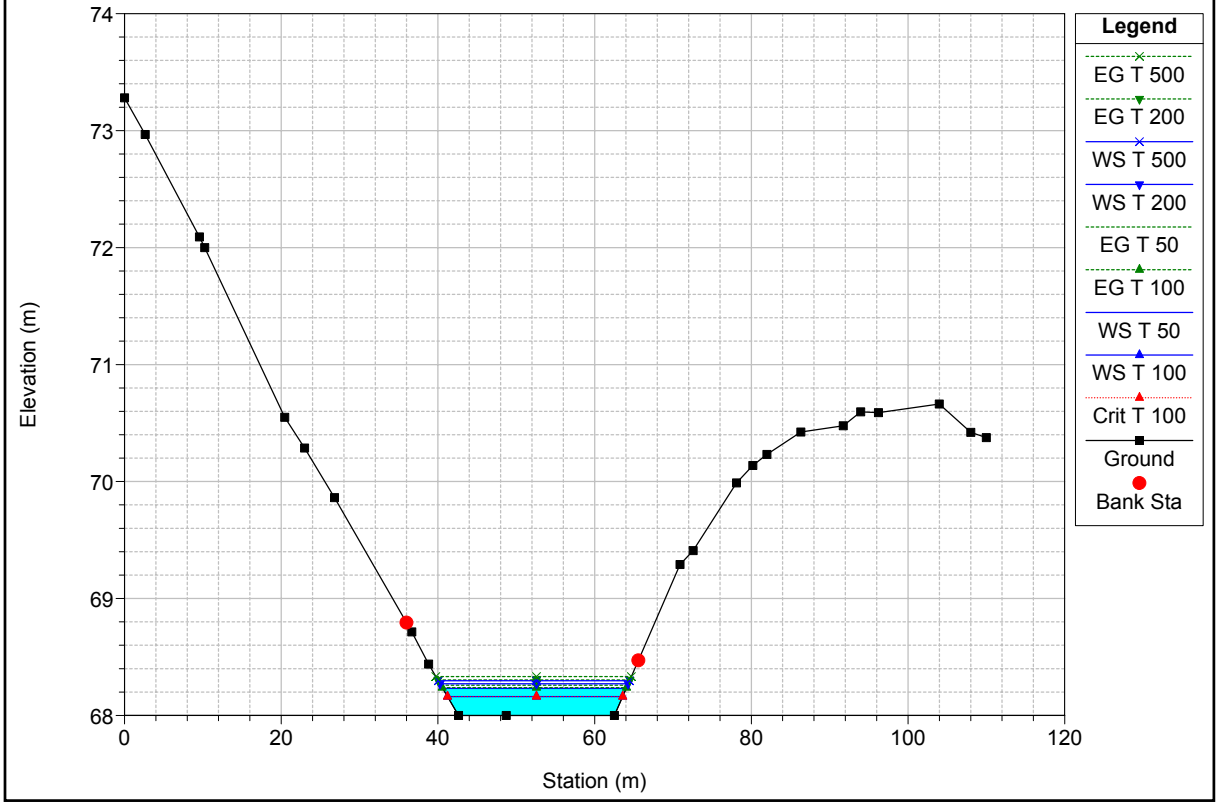
River = Affl Reach = dx RS = 535



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

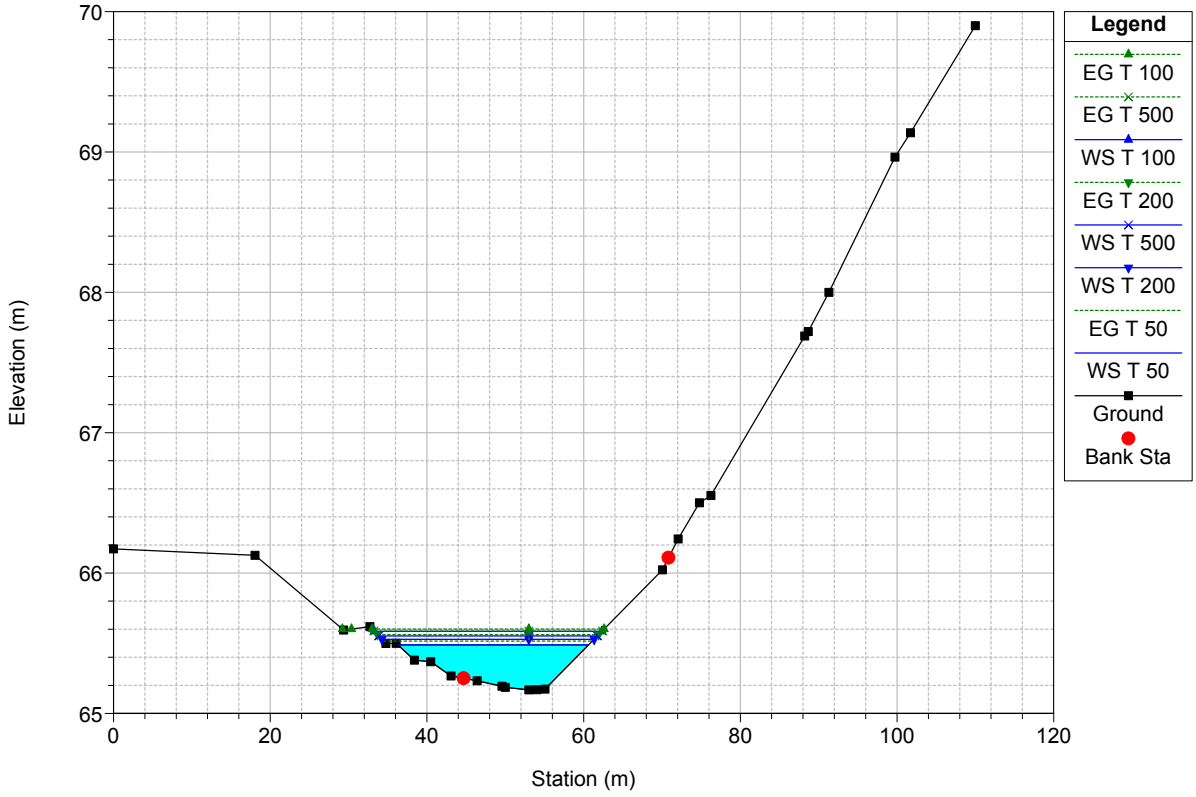
River = Affl Reach = dx RS = 485



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

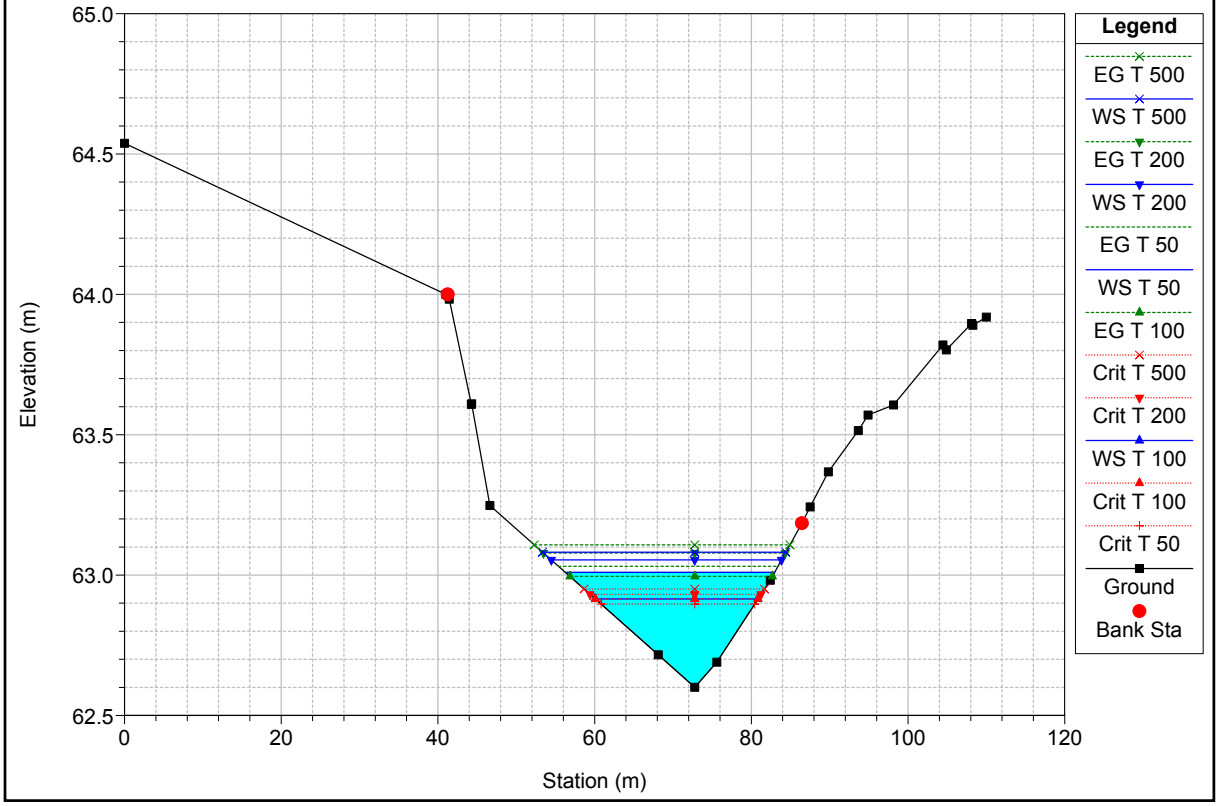
River = Affl Reach = dx RS = 435



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

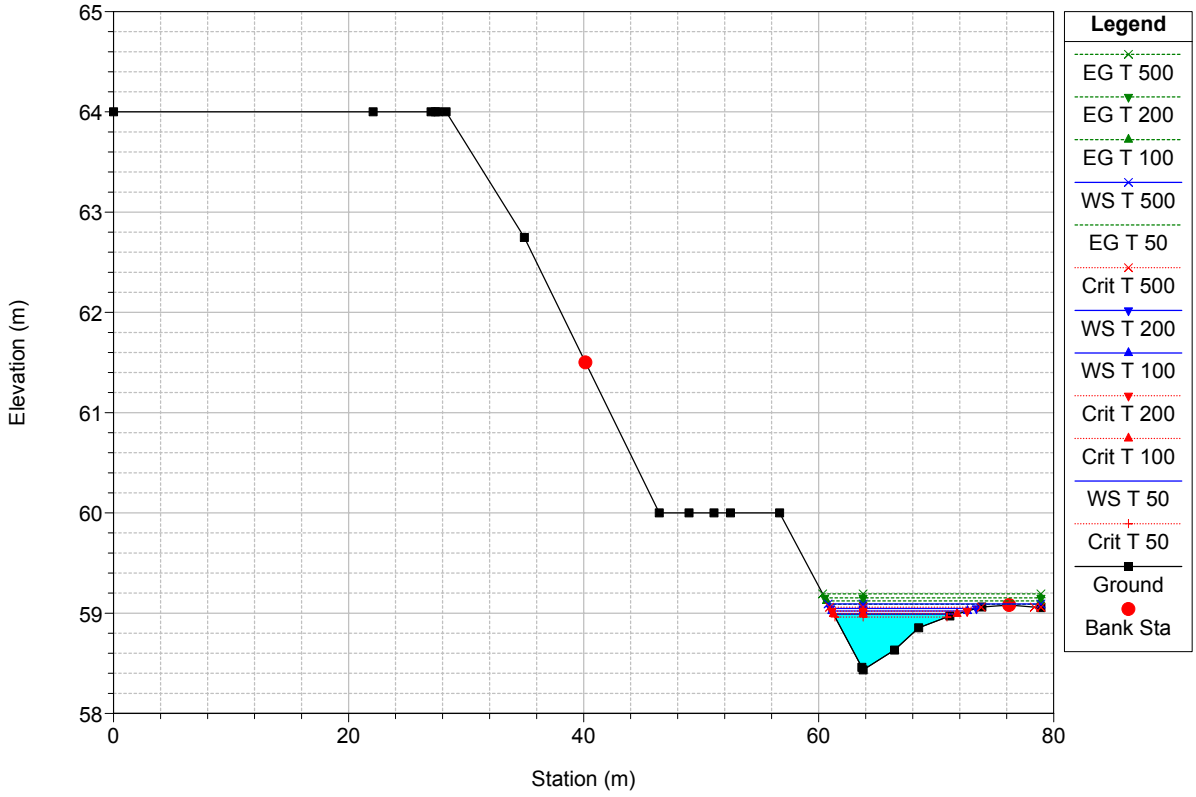
River = Affl Reach = dx RS = 385



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

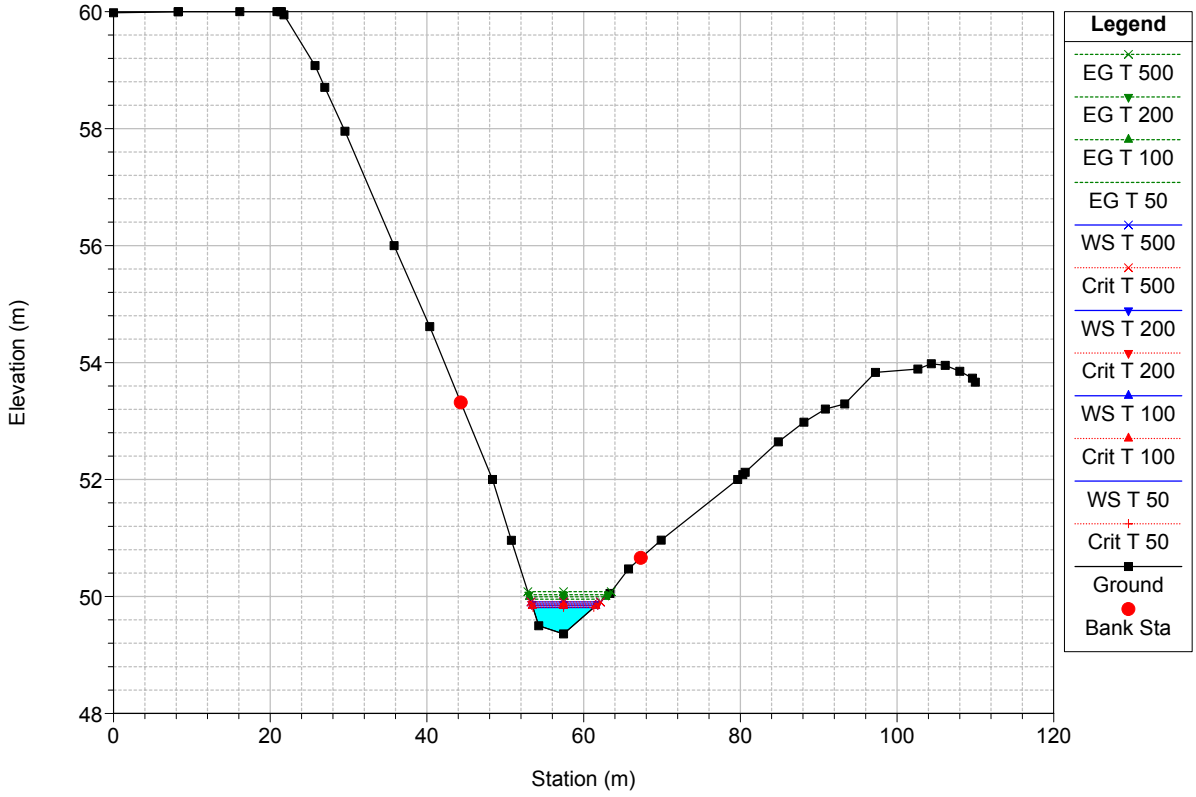
River = Affl Reach = dx RS = 335

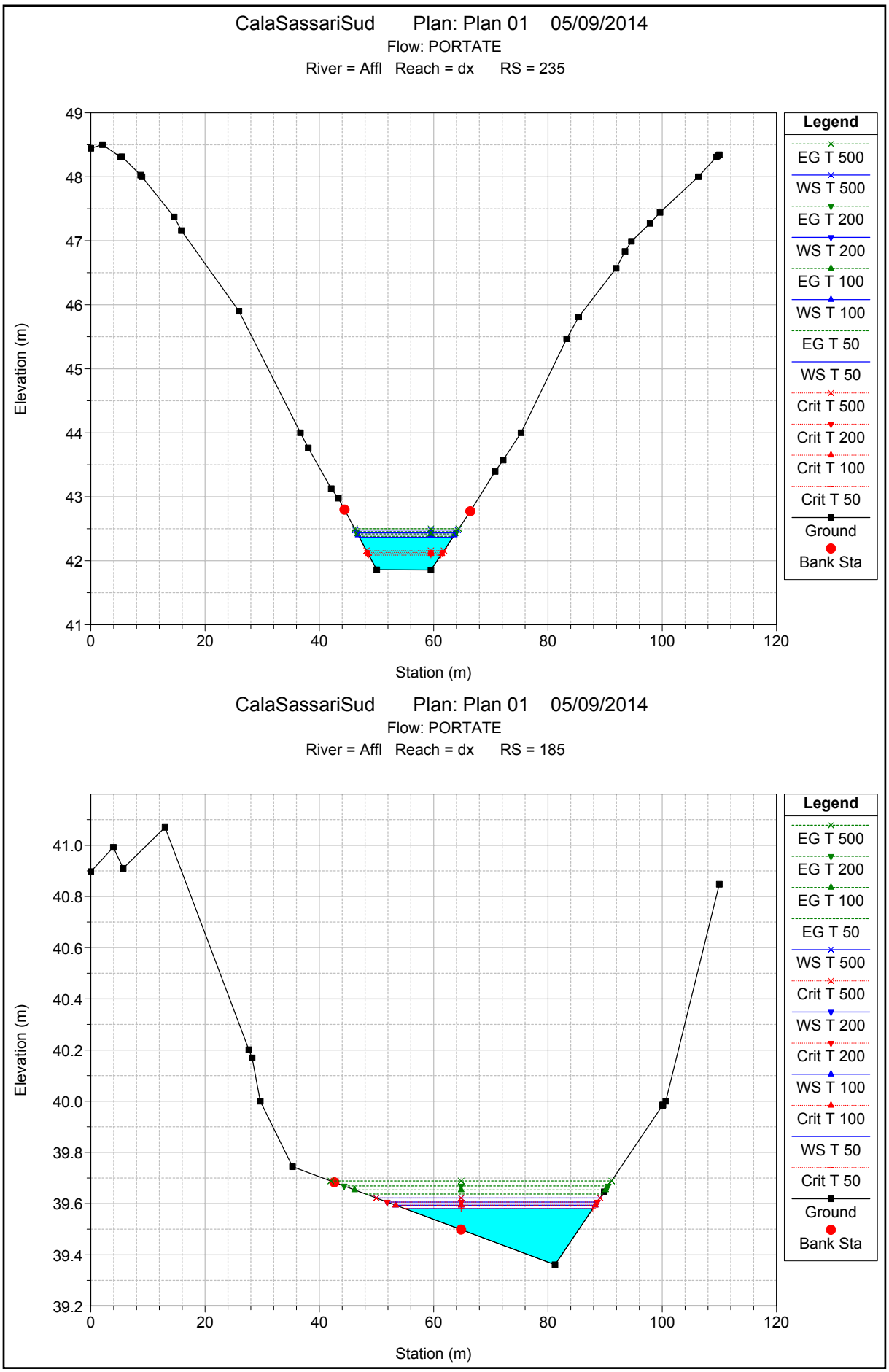


CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

River = Affl Reach = dx RS = 285

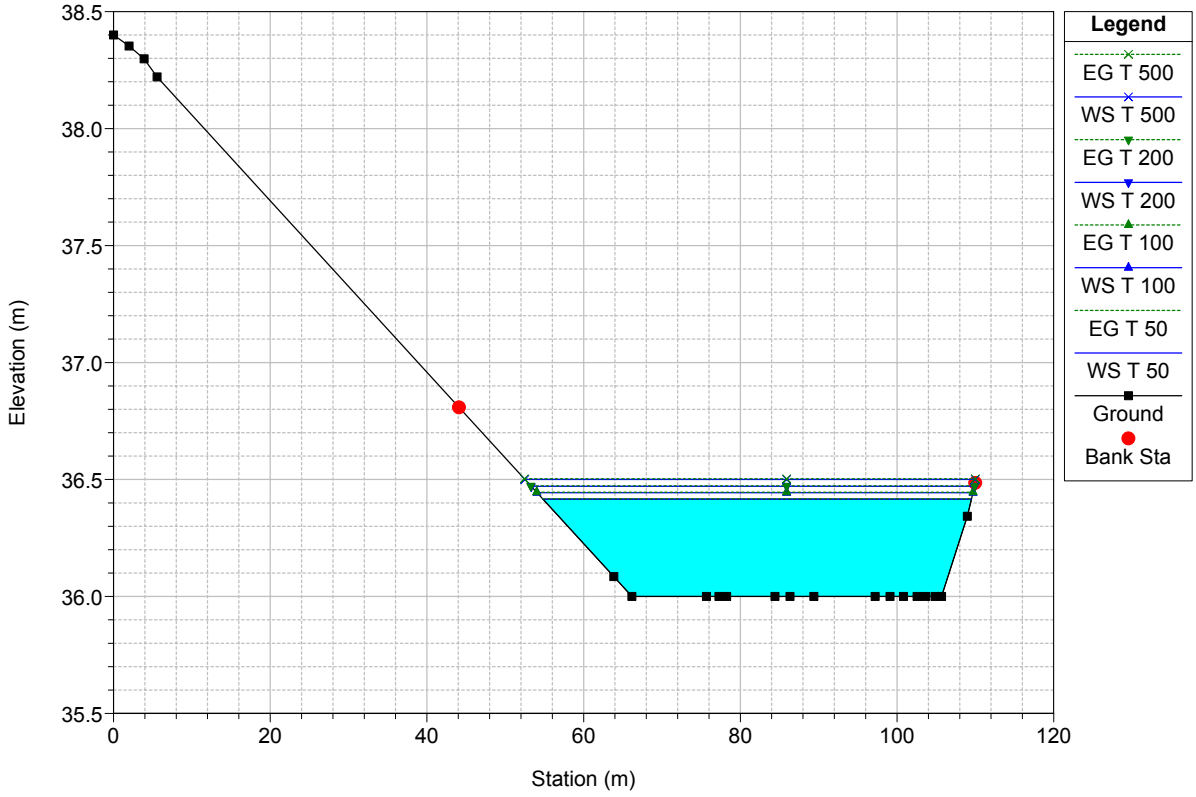



CalaSassariSud Plan: Plan 01 05/09/2014
Flow: PORTATE
River = Affl Reach = dx RS = 235
Elevation (m)
Station (m)
Legend
EG T 500
WS T 500
EG T 200
WS T 200
EG T 100
WS T 100
EG T 50
WS T 50
Crit T 500
Crit T 200
Crit T 100
Crit T 50
Ground
Bank Sta
CalaSassariSud Plan: Plan 01 05/09/2014
Flow: PORTATE
River = Affl Reach = dx RS = 185
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta

CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

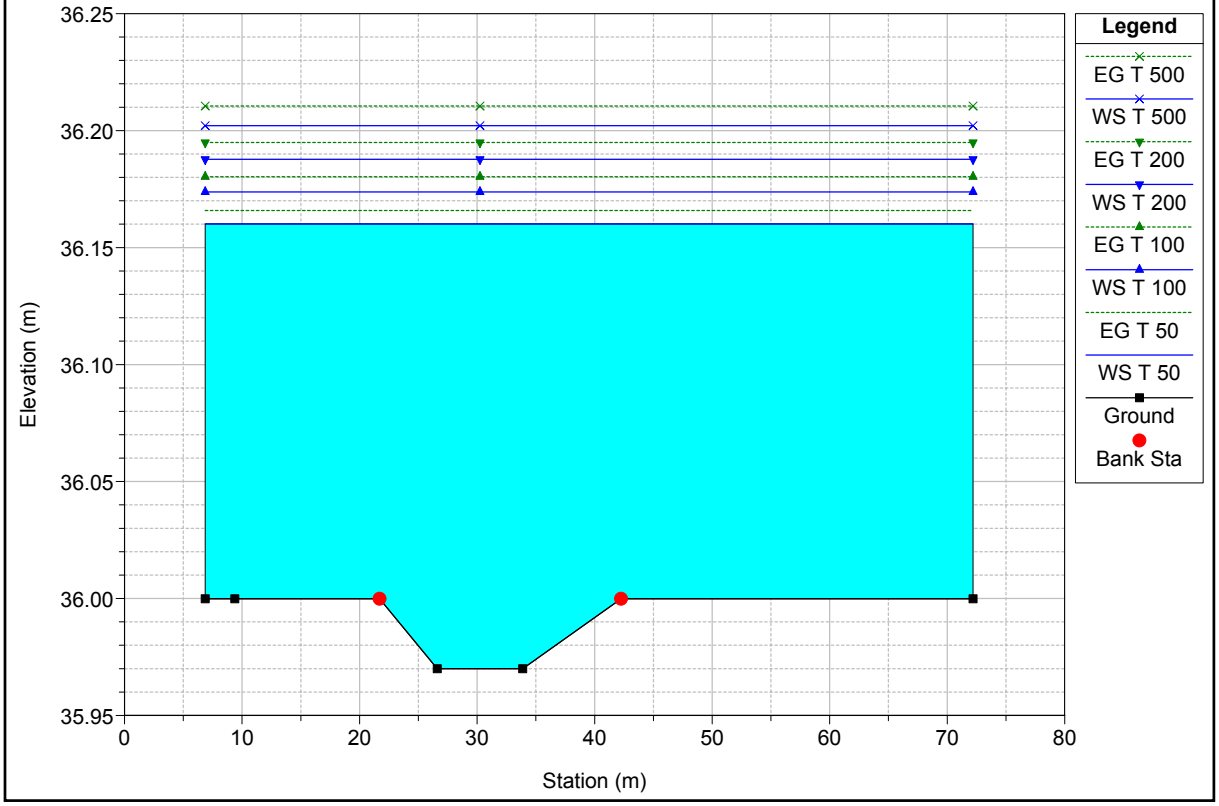
River = Affl Reach = dx RS = 135



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

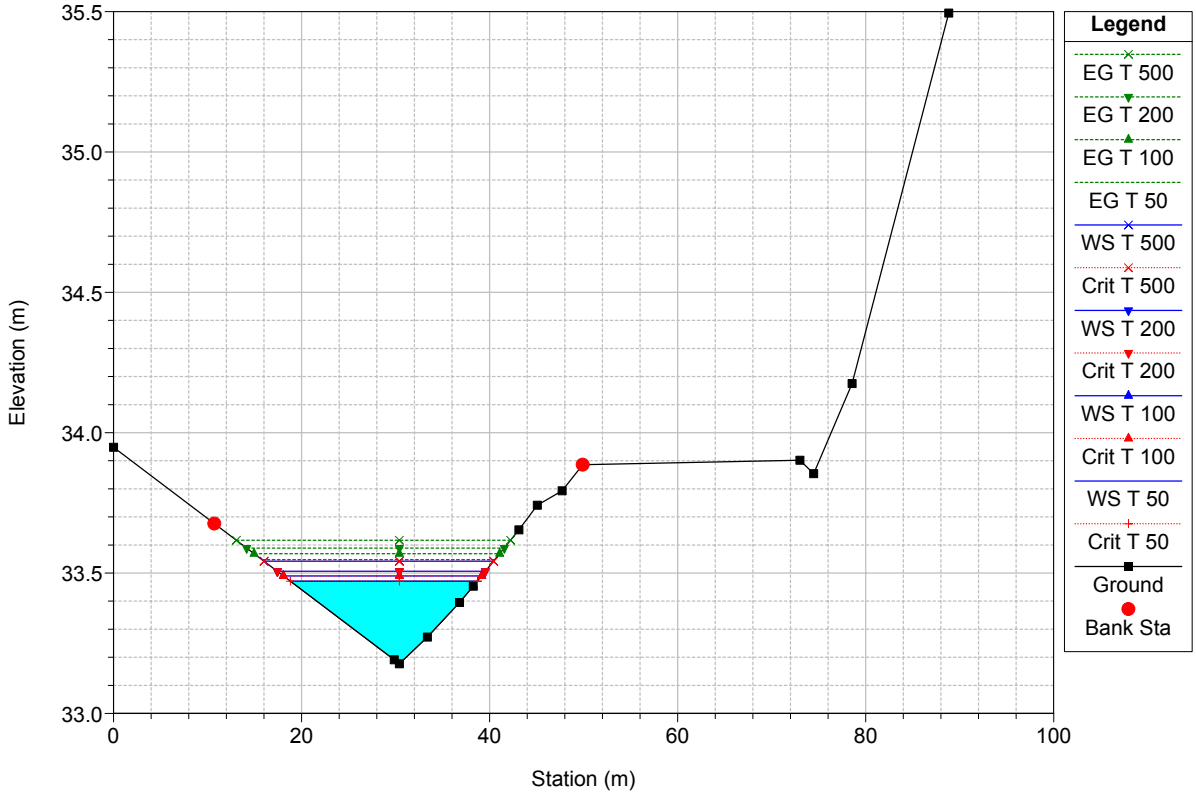
River = Affl Reach = dx RS = 96



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

River = Affl Reach = dx RS = 42



HEC-RAS Plan: Plan 01 River: Affl Reach: dx

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)	
dx	935	T 50	3.66	106.05	106.30	106.30	106.39	0.021118	1.33	2.74	15.04	1.00
dx	935	T 100	4.20	106.05	106.31	106.31	106.41	0.020903	1.40	3.01	15.23	1.00
dx	935	T 200	4.75	106.05	106.33	106.33	106.44	0.020080	1.44	3.29	15.44	1.00
dx	935	T 500	5.52	106.05	106.36	106.36	106.47	0.019670	1.51	3.65	15.70	1.00
dx	885	T 50	3.66	99.30	98.22	98.22	98.32	0.021557		2.64	13.54	0.00
dx	885	T 100	4.20	99.30	98.24	98.24	98.35	0.020740		2.94	14.10	0.00
dx	885	T 200	4.75	99.30	98.26	98.26	98.37	0.020343		3.23	14.59	0.00
dx	885	T 500	5.52	99.30	98.29	98.29	98.41	0.019881		3.62	15.23	0.00
dx	835	T 50	3.66	95.81	96.04	96.04	96.09	0.021450	1.11	3.56	30.09	0.96
dx	835	T 100	4.20	95.81	96.05	96.05	96.11	0.022873	1.18	3.80	30.25	1.00
dx	835	T 200	4.75	95.81	96.06	96.06	96.13	0.021075	1.20	4.22	30.52	0.97
dx	835	T 500	5.52	95.81	96.07	96.07	96.15	0.021514	1.27	4.61	30.77	0.99
dx	785	T 50	3.66	92.09	92.30	92.30	92.38	0.021228	1.20	3.10	21.35	0.97
dx	785	T 100	4.20	92.09	92.32	92.32	92.40	0.020643	1.25	3.42	21.67	0.97
dx	785	T 200	4.75	92.09	92.33	92.33	92.42	0.020175	1.30	3.73	21.98	0.97
dx	785	T 500	5.52	92.09	92.35	92.35	92.44	0.019628	1.36	4.15	22.38	0.98
dx	735	T 50	3.66	87.22	87.50	87.50	87.60	0.022893	1.42	2.58	13.72	1.04
dx	735	T 100	4.20	87.22	87.52	87.52	87.63	0.020351	1.42	2.97	14.48	1.00
dx	735	T 200	4.75	87.22	87.54	87.54	87.65	0.020308	1.47	3.24	15.00	1.01
dx	735	T 500	5.52	87.22	87.57	87.57	87.69	0.019978	1.53	3.61	15.52	1.01
dx	685	T 50	3.66	81.95	82.22	82.22	82.31	0.020896	1.35	2.71	14.45	1.00
dx	685	T 100	4.20	81.95	82.24	82.24	82.34	0.020351	1.41	2.98	14.67	1.00
dx	685	T 200	4.75	81.95	82.25	82.25	82.36	0.019883	1.46	3.25	14.88	1.00
dx	685	T 500	5.52	81.95	82.28	82.28	82.40	0.019324	1.53	3.62	15.16	1.00
dx	641	T 50	3.66	77.69	78.06	78.06	78.16	0.020807	1.35	2.71	14.37	0.99
dx	641	T 100	4.20	77.69	78.08	78.08	78.18	0.021252	1.41	2.98	15.07	1.01
dx	641	T 200	4.75	77.69	78.10	78.10	78.21	0.020946	1.45	3.28	15.82	1.01
dx	641	T 500	5.52	77.69	78.13	78.13	78.24	0.019958	1.48	3.74	16.89	1.00
dx	585	T 50	3.66	72.00	72.25	72.25	72.35	0.020060	1.45	2.52	11.72	1.00
dx	585	T 100	4.20	72.00	72.27	72.27	72.38	0.019832	1.51	2.77	11.97	1.00
dx	585	T 200	4.75	72.00	72.29	72.29	72.41	0.019364	1.57	3.03	12.22	1.00
dx	585	T 500	5.52	72.00	72.32	72.32	72.45	0.018955	1.63	3.38	12.55	1.01
dx	535	T 50	3.66	70.91	71.21	71.14	71.23	0.005685	0.66	5.65	37.97	0.51
dx	535	T 100	4.20	70.91	71.27	71.15	71.28	0.002388	0.53	8.30	41.79	0.35
dx	535	T 200	4.75	70.91	71.23		71.26	0.005698	0.73	6.74	41.13	0.53
dx	535	T 500	5.52	70.91	71.25		71.28	0.005627	0.77	7.49	41.45	0.53
dx	485	T 50	3.66	68.00	68.23		68.26	0.005104	0.73	5.01	23.42	0.50
dx	485	T 100	4.20	68.00	68.16	68.16	68.24	0.022609	1.23	3.42	22.36	1.00
dx	485	T 200	4.75	68.00	68.27		68.30	0.004992	0.80	5.96	24.02	0.51
dx	485	T 500	5.52	68.00	68.30		68.33	0.004980	0.84	6.57	24.40	0.52
dx	435	T 50	3.66	65.17	65.49		65.52	0.004947	0.78	5.04	24.32	0.51
dx	435	T 100	4.20	65.17	65.59		65.60	0.002029	0.59	7.70	29.07	0.34
dx	435	T 200	4.75	65.17	65.53		65.56	0.005058	0.85	6.08	27.08	0.52
dx	435	T 500	5.52	65.17	65.55		65.59	0.005120	0.89	6.73	27.90	0.53
dx	385	T 50	3.66	62.60	63.01	62.90	63.03	0.004213	0.65	5.60	26.70	0.46
dx	385	T 100	4.20	62.60	62.92	62.92	63.00	0.021947	1.25	3.35	20.77	1.00
dx	385	T 200	4.75	62.60	63.05	62.93	63.08	0.004124	0.69	6.84	29.38	0.46
dx	385	T 500	5.52	62.60	63.08	62.95	63.11	0.004090	0.72	7.67	31.04	0.46
dx	335	T 50	3.66	58.43	58.99	58.96	59.09	0.014752	1.38	2.65	10.49	0.88
dx	335	T 100	4.20	58.43	59.02	58.99	59.12	0.014858	1.41	2.99	11.54	0.88
dx	335	T 200	4.75	58.43	59.05	59.02	59.15	0.015149	1.44	3.29	12.43	0.90
dx	335	T 500	5.52	58.43	59.09	59.06	59.19	0.015269	1.41	3.97	18.11	0.89
dx	285	T 50	3.66	49.36	49.81	49.81	49.95	0.018849	1.67	2.19	7.77	1.01
dx	285	T 100	4.20	49.36	49.84	49.84	49.99	0.018637	1.73	2.42	8.09	1.01
dx	285	T 200	4.75	49.36	49.87	49.87	50.03	0.018232	1.78	2.67	8.42	1.01
dx	285	T 500	5.52	49.36	49.91	49.91	50.08	0.017907	1.84	2.99	8.83	1.01
dx	235	T 50	3.66	41.85	42.37	42.09	42.38	0.001270	0.55	6.61	16.38	0.28
dx	235	T 100	4.20	41.85	42.40	42.11	42.42	0.001313	0.58	7.18	16.85	0.29
dx	235	T 200	4.75	41.85	42.43	42.13	42.45	0.001346	0.61	7.76	17.31	0.29
dx	235	T 500	5.52	41.85	42.48	42.16	42.50	0.001379	0.65	8.55	17.92	0.30
dx	185	T 50	3.66	39.50	39.58	39.58	39.64	0.020130	0.48	3.60	32.85	0.76
dx	185	T 100	4.20	39.50	39.59	39.59	39.65	0.019102	0.52	4.06	34.93	0.76
dx	185	T 200	4.75	39.50	39.61	39.61	39.67	0.018568	0.56	4.51	36.78	0.76
dx	185	T 500	5.52	39.50	39.62	39.62	39.69	0.017992	0.60	5.11	39.16	0.77
dx	135	T 50	3.66	36.00	36.42		36.42	0.000167	0.19	19.62	54.69	0.10
dx	135	T 100	4.20	36.00	36.44		36.45	0.000176	0.20	21.15	55.65	0.10
dx	135	T 200	4.75	36.00	36.47		36.47	0.000182	0.21	22.67	56.59	0.11
dx	135	T 500	5.52	36.00	36.50		36.50	0.000198	0.23	24.37	57.50	0.11
dx	96	T 50	3.66	35.97	36.16		36.17	0.001517	0.36	10.88	65.33	0.27
dx	96	T 100	4.20	35.97	36.17		36.18	0.001537	0.38	11.77	65.33	0.27

HEC-RAS Plan: Plan 01 River: Affl Reach: dx (Continued)

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)	
dx	96	T 200	4.75	35.97	36.19		36.19	0.001534	0.39	12.69	65.33	0.27
dx	96	T 500	5.52	35.97	36.20		36.21	0.001635	0.42	13.63	65.33	0.29
dx	42	T 50	3.66	33.18	33.47	33.47	33.55	0.023116	1.23	2.99	19.90	1.01
dx	42	T 100	4.20	33.18	33.49	33.49	33.57	0.021985	1.25	3.37	21.09	1.00
dx	42	T 200	4.75	33.18	33.51	33.51	33.59	0.021582	1.28	3.72	22.11	1.00
dx	42	T 500	5.52	33.18	33.54	33.54	33.62	0.016862	1.21	4.56	24.41	0.90

IL BACINO CALA SASSARI SUD - 3

N
W
E
S

0 20 40 80 120 160

Meters

1:2 000

ALTIMETRIA

Elemento_Idrico_CSS3

SubBacino_CSS_3

tin3

Elevation

- 95 - 100
- 90 - 95
- 85 - 90
- 80 - 85
- 75 - 80
- 70 - 75
- 65 - 70
- 60 - 65
- 55 - 60
- 50 - 55
- 45 - 50
- 40 - 45
- 35 - 40
- 30 - 35
- 25 - 30
- 24 - 25

LA CLIVOMETRIA

N
W E
S

0 20 40 80 120 160
Meters

1:2 000

Elemento_Idrico_CSS3

SubBacino_CSS_3

tin3

Slope

- 0% - 5%
- 5% - 10%
- 10% - 15%
- 15% - 20%
- 20% - 25%
- 25% - 30%
- 30% - 35%
- 35% - 40%
- 40% - 45%
- 45% - 50%
- 50% - 55%
- 55% - 60%
- 60% - 65%
- 65% - 70%
- 70% - 75%
- 75% - 80%
- 80% - 85%
- 85% - 90%

N
W
E
S

0 20 40 80 120 160
Meters

1:2 000

CLIVOMETRIA ALVEO

Elemento_Idrico_CSS3

SubBacino_CSS_3

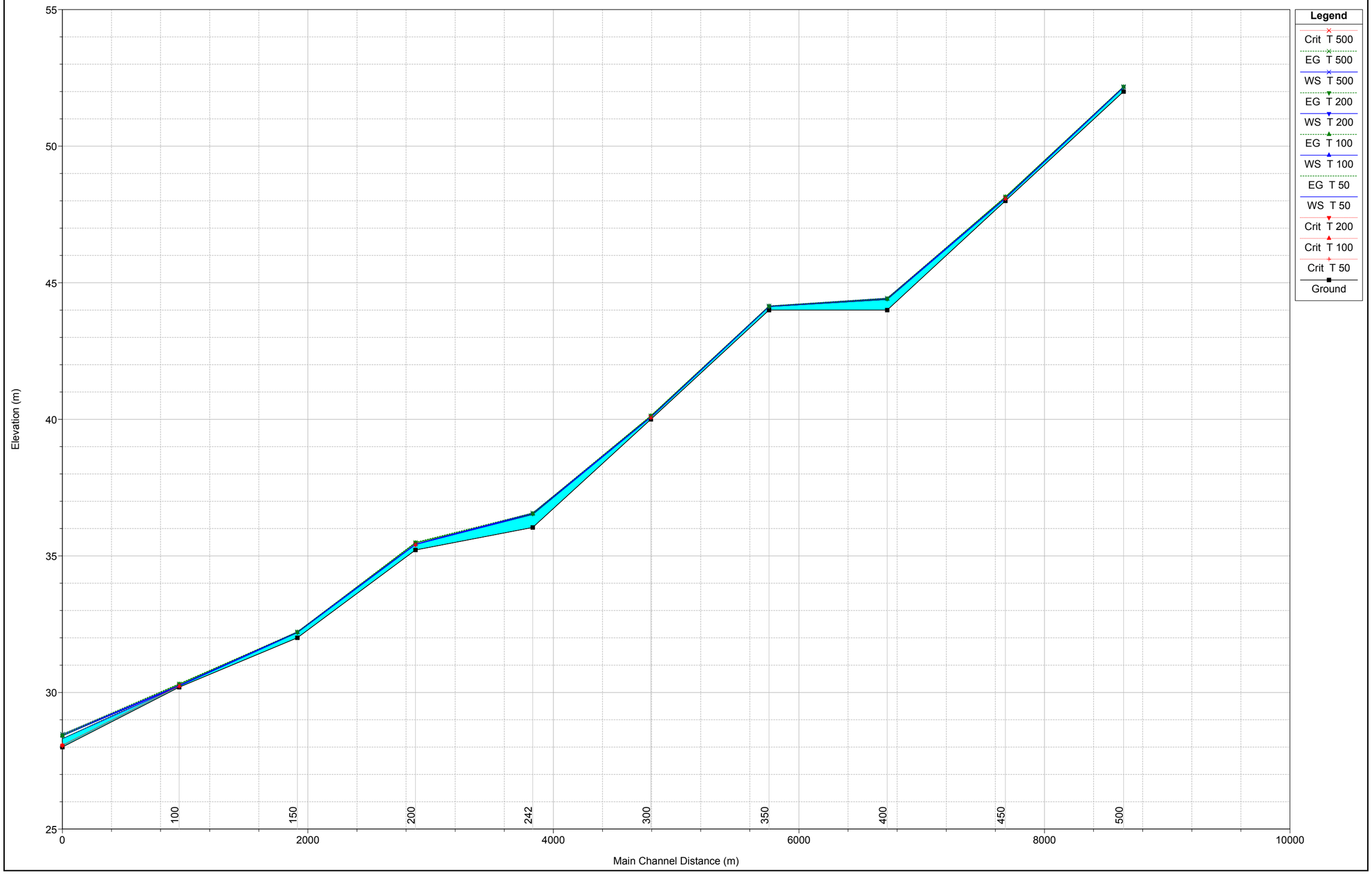
tin alv3

Slope

- 0% - 2.32%
- 2.32% - 5.79%
- 5.79% - 6.65%
- 6.65% - 8.12%
- 8.12% - 9.18%
- 9.18% - 10.4%
- 10.4% - 12.89%
- 12.89% - 23%
- 23% - 90%

CalaSassariSud Plan: Plan 01 05/09/2014

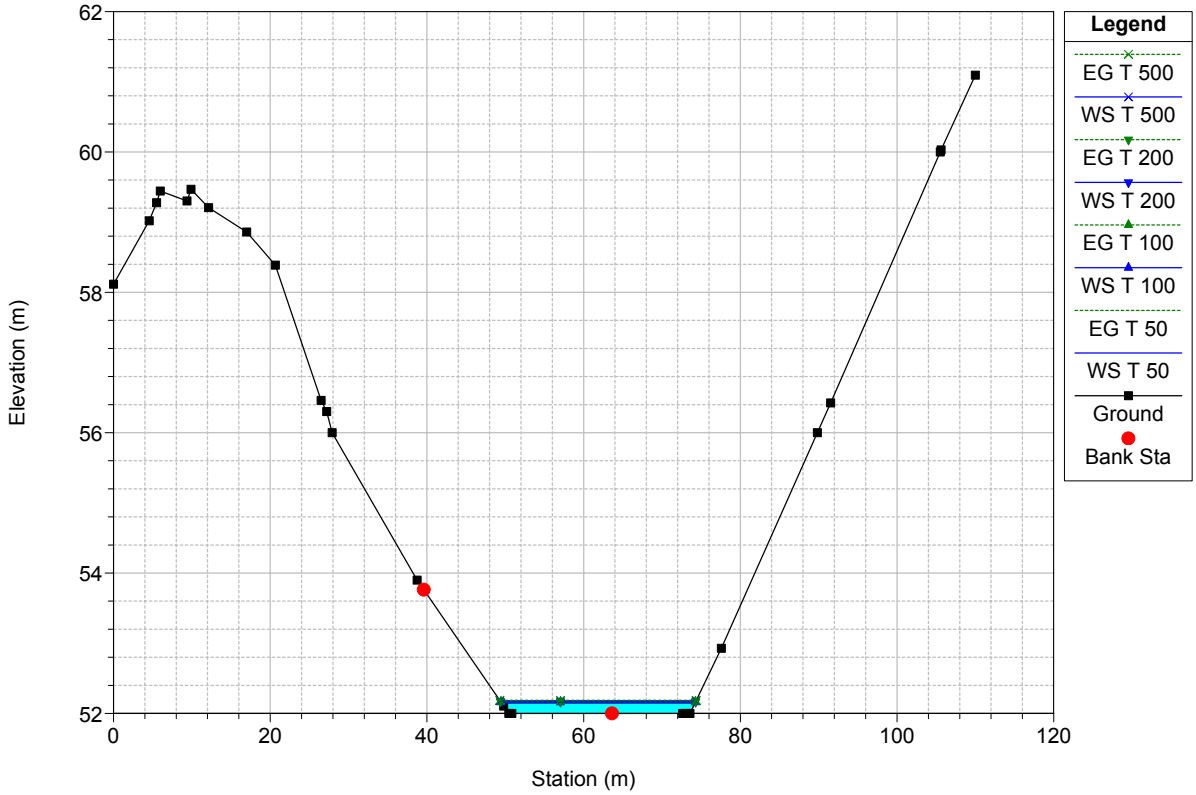
Flow: PORTATE



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

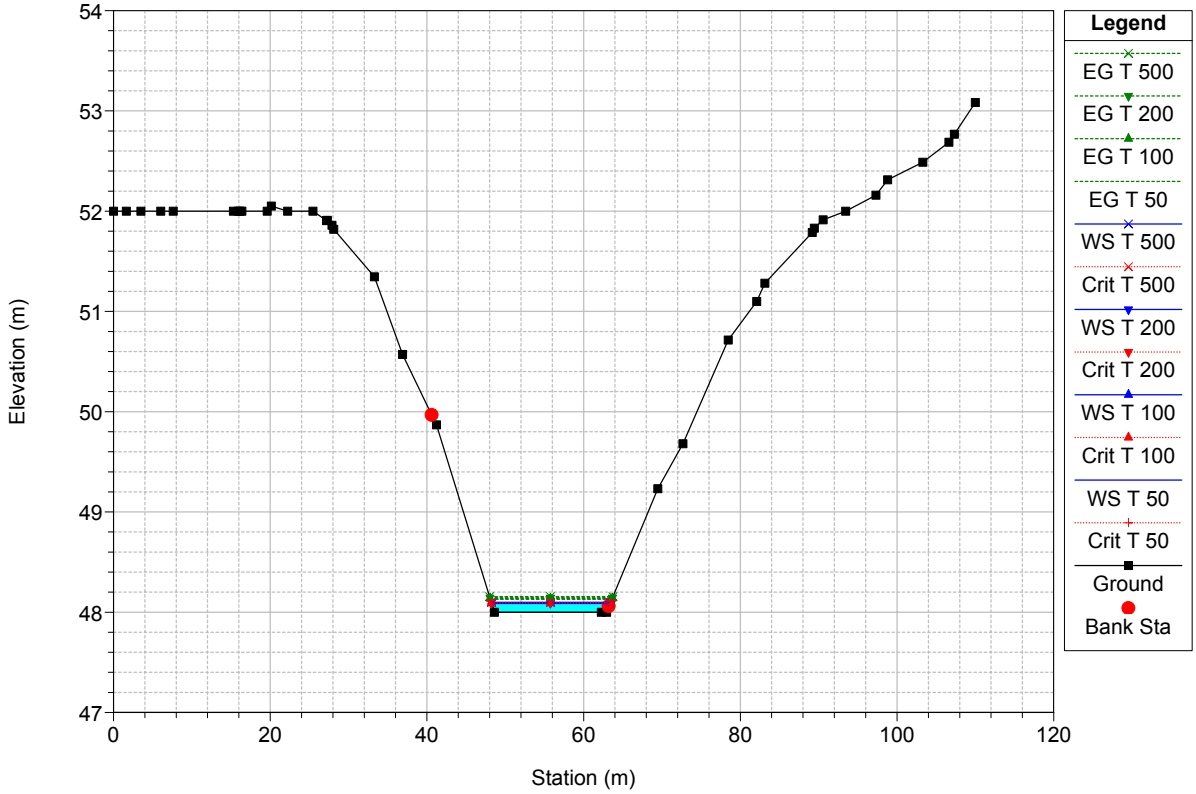
River = Affl Reach = sx RS = 500



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

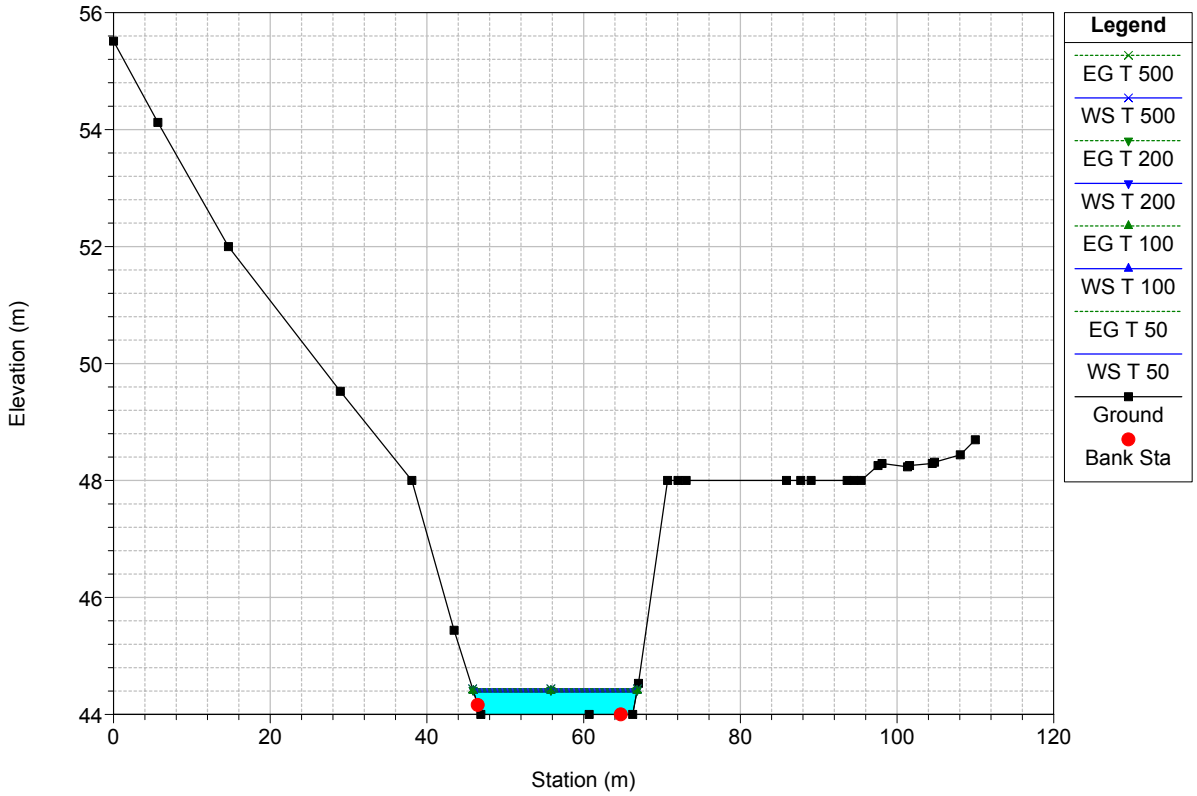
River = Affl Reach = sx RS = 450



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

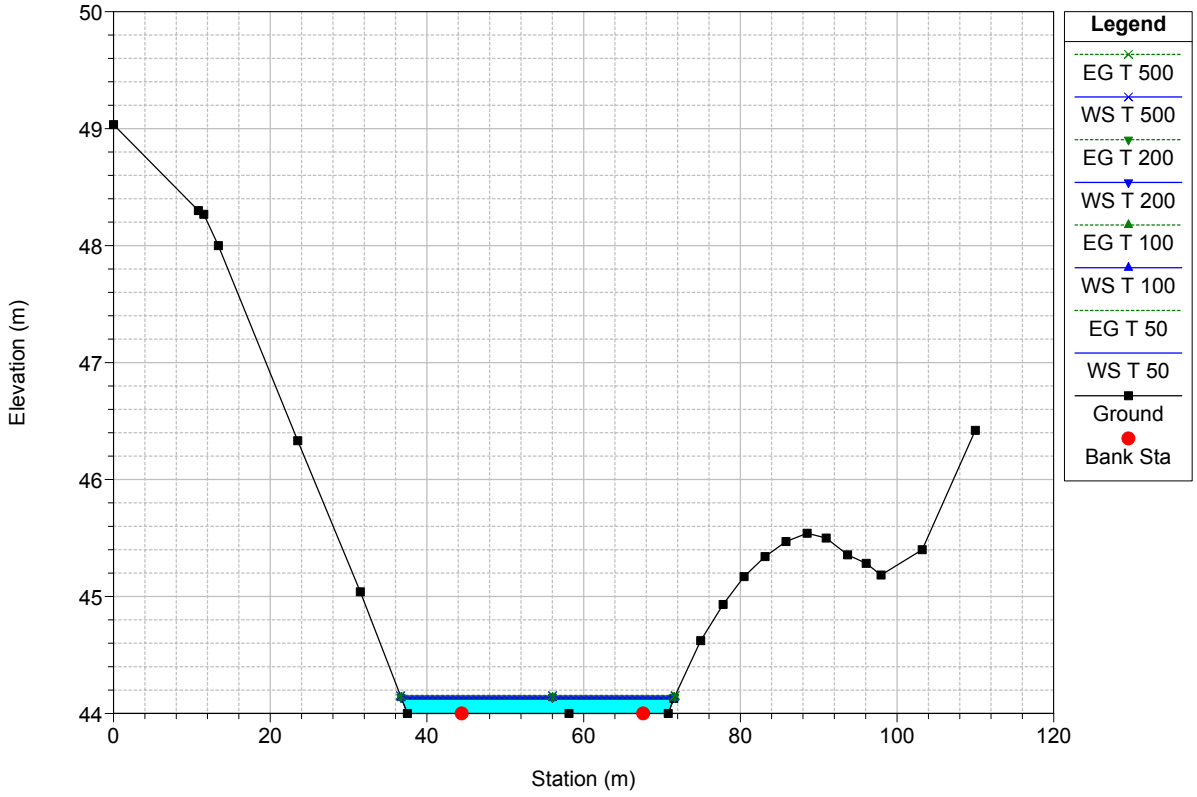
River = Affl Reach = sx RS = 400



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

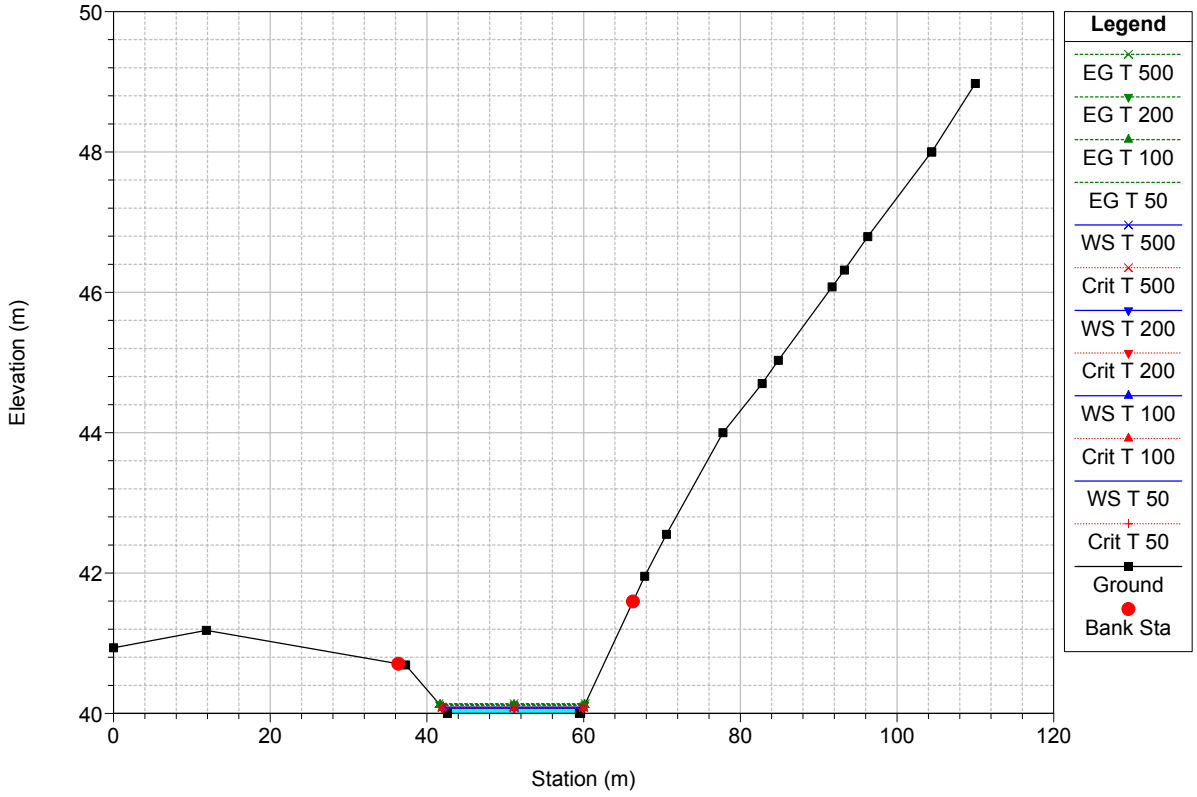
River = Affl Reach = sx RS = 350



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

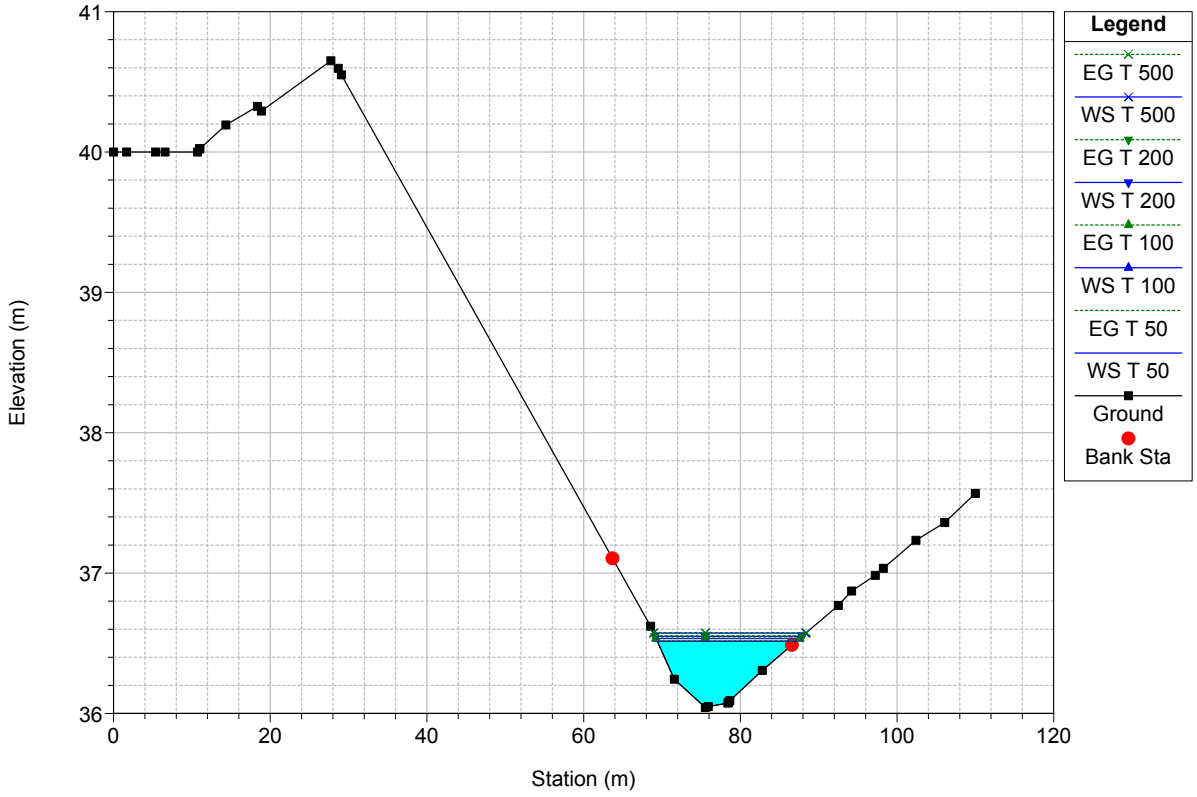
River = Affl Reach = sx RS = 300



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

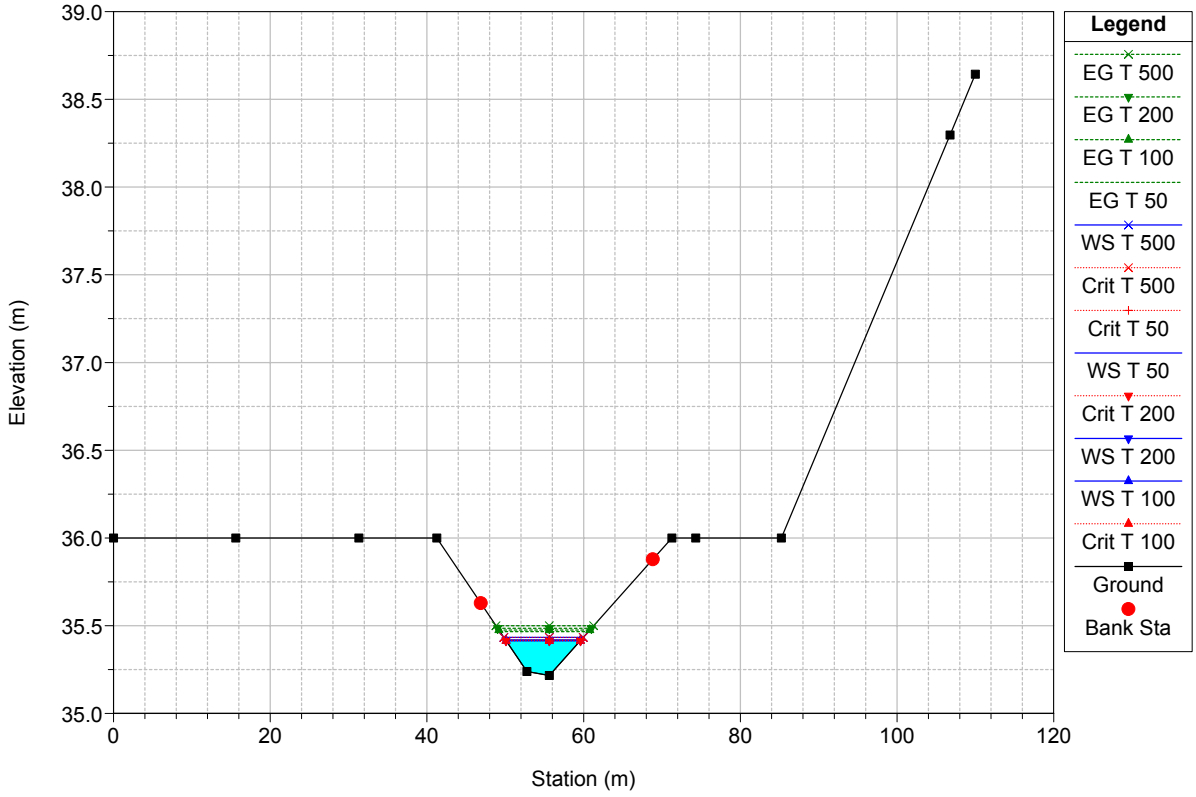
River = Affl Reach = sx RS = 242



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

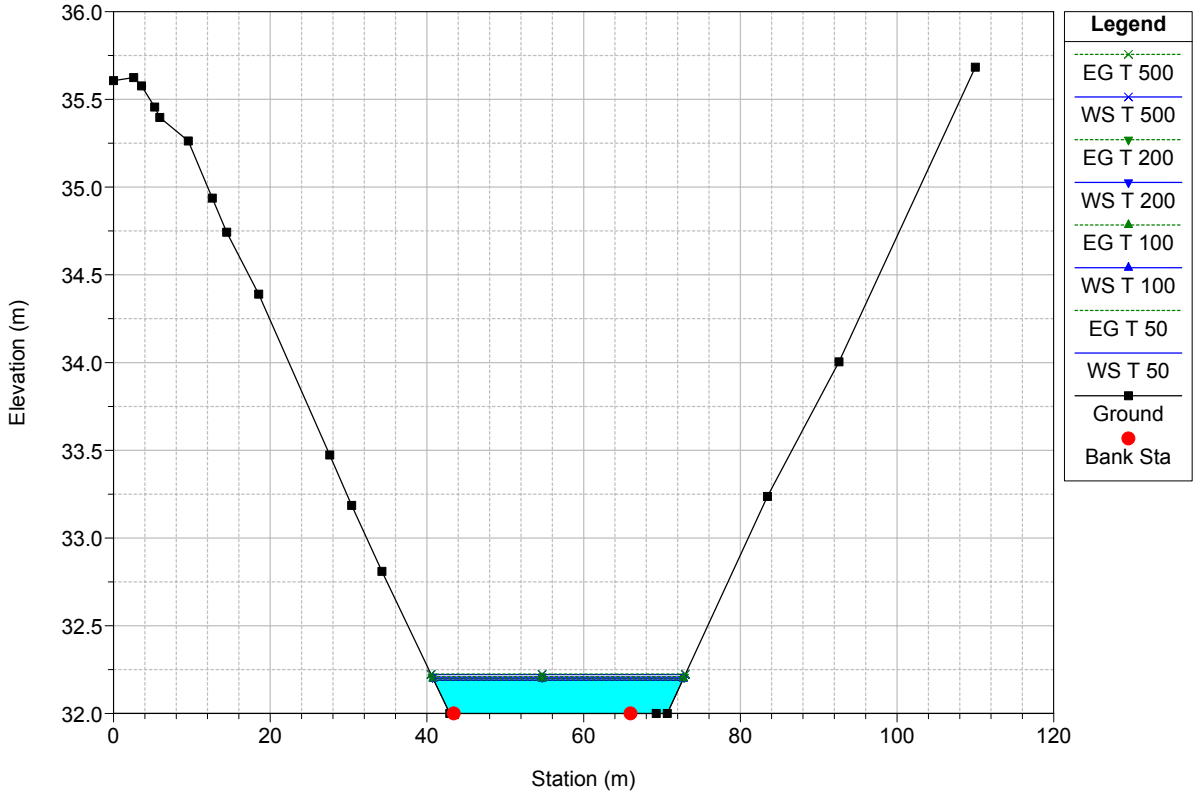
River = Affl Reach = sx RS = 200

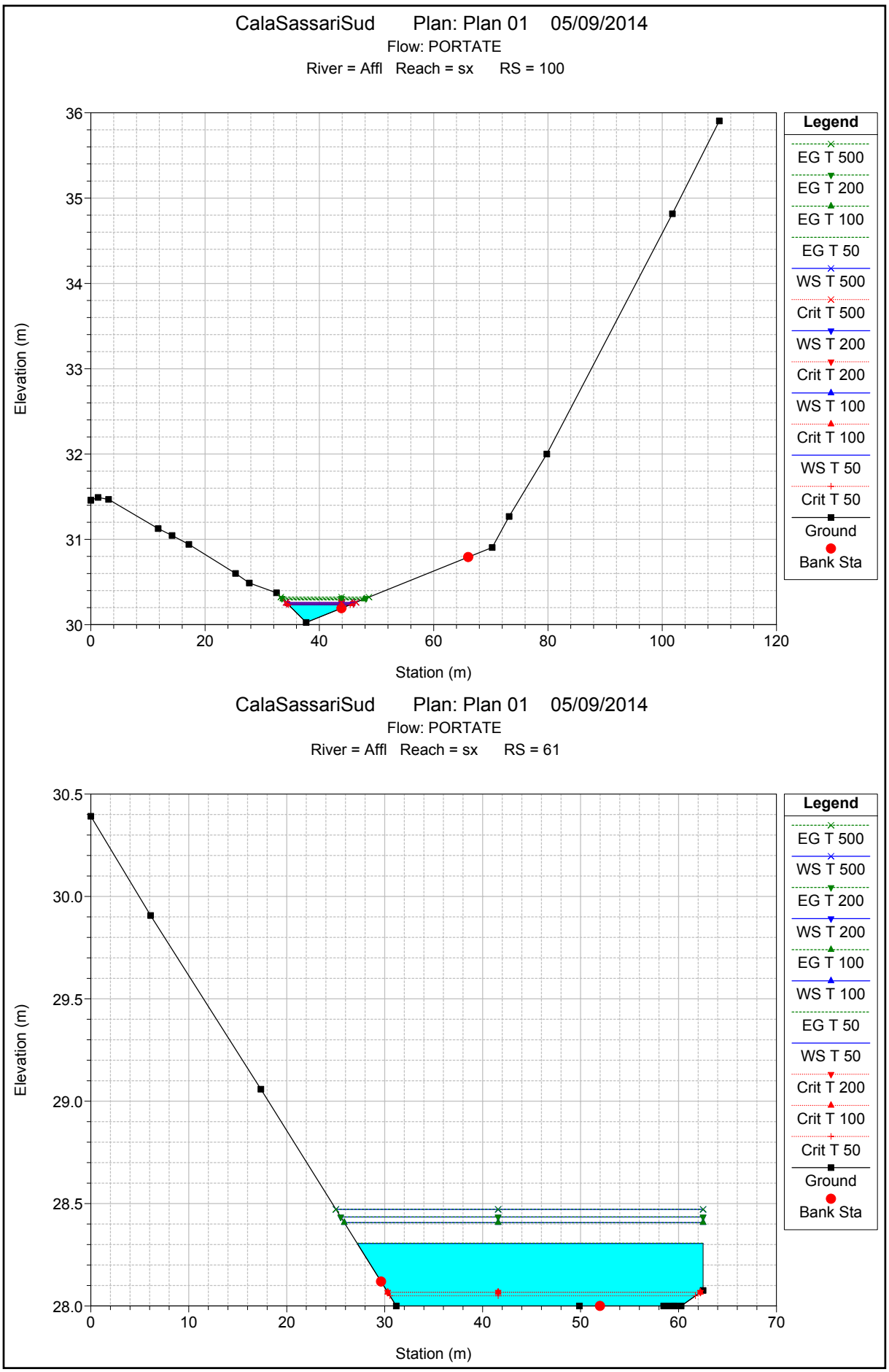


CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

River = Affl Reach = sx RS = 150




CalaSassariSud Plan: Plan 01 05/09/2014
Flow: PORTATE
River = Affl Reach = sx RS = 100
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta
CalaSassariSud Plan: Plan 01 05/09/2014
Flow: PORTATE
River = Affl Reach = sx RS = 61
Elevation (m)
Station (m)
Legend
EG T 500
WS T 500
EG T 200
WS T 200
EG T 100
WS T 100
EG T 50
WS T 50
Crit T 200
Crit T 100
Crit T 50
Ground
Bank Sta

HEC-RAS Plan: Plan 01 River: Affl Reach: sx

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)	
sx	500	T 50	1.16	52.00	52.15		52.16	0.001646	0.32	3.61	24.70	0.27
sx	500	T 100	1.27	52.00	52.16		52.17	0.001646	0.33	3.82	24.79	0.27
sx	500	T 200	1.37	52.00	52.17		52.17	0.001633	0.34	4.01	24.87	0.27
sx	500	T 500	1.54	52.00	52.18		52.19	0.001600	0.35	4.34	25.01	0.27
sx	450	T 50	1.16	48.00	48.09	48.09	48.13	0.027130	0.91	1.28	15.11	1.00
sx	450	T 100	1.27	48.00	48.09	48.09	48.14	0.027207	0.94	1.35	15.16	1.01
sx	450	T 200	1.37	48.00	48.09	48.09	48.14	0.028088	0.98	1.40	15.19	1.03
sx	450	T 500	1.54	48.00	48.10	48.10	48.16	0.030630	1.06	1.46	15.23	1.08
sx	400	T 50	1.16	44.00	44.38		44.39	0.000102	0.15	7.74	20.82	0.08
sx	400	T 100	1.27	44.00	44.40		44.40	0.000106	0.16	8.08	20.89	0.08
sx	400	T 200	1.37	44.00	44.42		44.42	0.000108	0.17	8.42	20.95	0.08
sx	400	T 500	1.54	44.00	44.44		44.44	0.000118	0.18	8.82	21.02	0.09
sx	350	T 50	1.16	44.00	44.12		44.13	0.001501	0.28	4.25	34.71	0.25
sx	350	T 100	1.27	44.00	44.13		44.14	0.001497	0.29	4.49	34.80	0.25
sx	350	T 200	1.37	44.00	44.14		44.14	0.001485	0.29	4.72	34.88	0.25
sx	350	T 500	1.54	44.00	44.15		44.15	0.001456	0.31	5.10	35.02	0.25
sx	300	T 50	1.16	40.00	40.08	40.08	40.12	0.028387	0.86	1.35	17.92	1.00
sx	300	T 100	1.27	40.00	40.08	40.08	40.12	0.028610	0.89	1.42	17.97	1.01
sx	300	T 200	1.37	40.00	40.08	40.08	40.13	0.029672	0.93	1.48	18.01	1.03
sx	300	T 500	1.54	40.00	40.09	40.09	40.14	0.032449	1.00	1.54	18.05	1.09
sx	242	T 50	1.16	36.04	36.51		36.52	0.000358	0.23	4.94	17.76	0.14
sx	242	T 100	1.27	36.04	36.53		36.54	0.000349	0.24	5.29	18.32	0.14
sx	242	T 200	1.37	36.04	36.55		36.55	0.000345	0.25	5.59	18.78	0.14
sx	242	T 500	1.54	36.04	36.57		36.58	0.000351	0.26	6.01	19.43	0.14
sx	200	T 50	1.16	35.22	35.42	35.42	35.47	0.018659	0.97	1.19	9.60	0.88
sx	200	T 100	1.27	35.22	35.41	35.41	35.48	0.024132	1.09	1.16	9.48	1.00
sx	200	T 200	1.37	35.22	35.42	35.42	35.49	0.027406	1.17	1.17	9.51	1.06
sx	200	T 500	1.54	35.22	35.43	35.43	35.50	0.023963	1.15	1.34	10.12	1.01
sx	150	T 50	1.16	32.00	32.19		32.19	0.000520	0.21	5.61	31.73	0.16
sx	150	T 100	1.27	32.00	32.20		32.20	0.000524	0.22	5.92	31.93	0.16
sx	150	T 200	1.37	32.00	32.21		32.21	0.000527	0.23	6.20	32.12	0.16
sx	150	T 500	1.54	32.00	32.22		32.22	0.000530	0.24	6.66	32.42	0.16
sx	100	T 50	1.16	30.19	30.23	30.23	30.29	0.023204	0.33	1.13	10.84	0.73
sx	100	T 100	1.27	30.19	30.24	30.24	30.30	0.022150	0.36	1.23	11.29	0.73
sx	100	T 200	1.37	30.19	30.25	30.25	30.31	0.021455	0.39	1.31	11.67	0.74
sx	100	T 500	1.54	30.19	30.26	30.26	30.32	0.020858	0.43	1.44	12.24	0.75
sx	61	T 50	1.16	28.00	28.31	28.05	28.31	0.000083	0.12	10.10	35.31	0.07
sx	61	T 100	1.27	28.00	28.41	28.07	28.41	0.000037	0.10	13.73	36.63	0.05
sx	61	T 200	1.37	28.00	28.43	28.07	28.43	0.000035	0.10	14.75	36.99	0.05
sx	61	T 500	1.54	28.00	28.47		28.47	0.000033	0.10	16.12	37.47	0.05

IL BACINO CALA SASSARI SUD - 4

N
W
E
S

0 20 40 80 120 160
Meters

1:2 000

ALTIMETRIA

Elemento_Idrico_CSS4

SubBacino_CSS_4

tin4

Elevation

- 60 - 65
- 55 - 60
- 50 - 55
- 45 - 50
- 40 - 45
- 35 - 40
- 30 - 35
- 25 - 30
- 24 - 25

N
W
E
S

0 20 40 80 120 160
Meters

1:2 000

LA CLIVOMETRIA

Elemento_Idrico_CSS4

SubBacino_CSS_4

tin4

Slope

- 0% - 5%
- 5% - 10%
- 10% - 15%
- 15% - 20%
- 20% - 25%
- 25% - 30%
- 30% - 35%
- 35% - 40%
- 40% - 45%
- 45% - 50%
- 50% - 55%
- 55% - 60%
- 60% - 65%
- 65% - 70%
- 70% - 75%
- 75% - 80%
- 80% - 85%
- 85% - 90%

N
W
E
S

0 20 40 80 120 160
Meters

1:2 000

CLIVOMETRIA ALVEO

Elemento_Idrico_CSS4

SubBacino_CSS_4

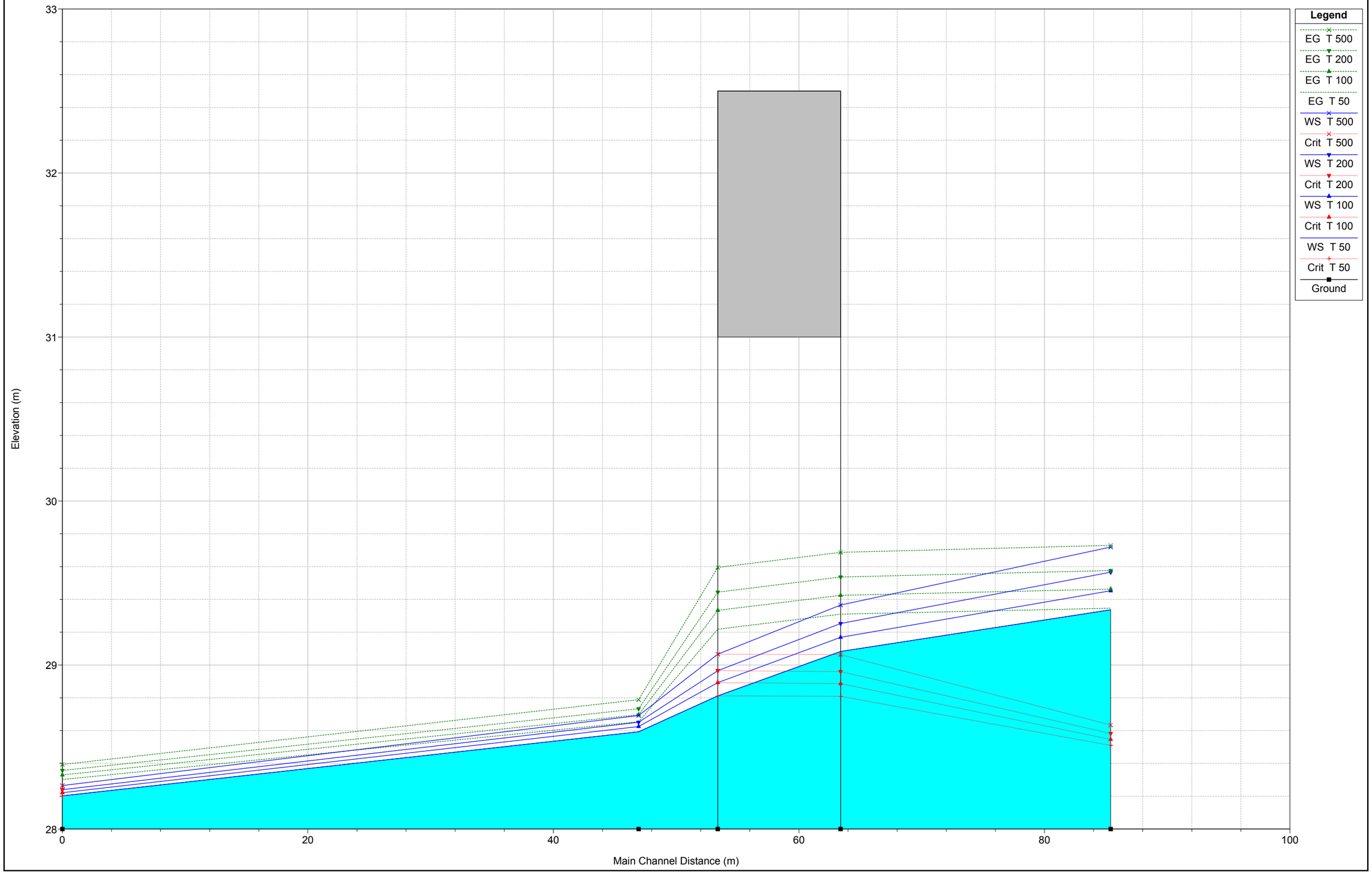
tin alv4

Slope

- 0% - 2.74%
- 2.74% - 6.98%
- 6.98% - 8.57%
- 8.57% - 9.83%
- 9.83% - 10.77%
- 10.77% - 12%
- 12% - 16.59%
- 16.59% - 30.84%
- 30.84% - 90%

CalaSassariSud Plan: Plan 01 05/09/2014

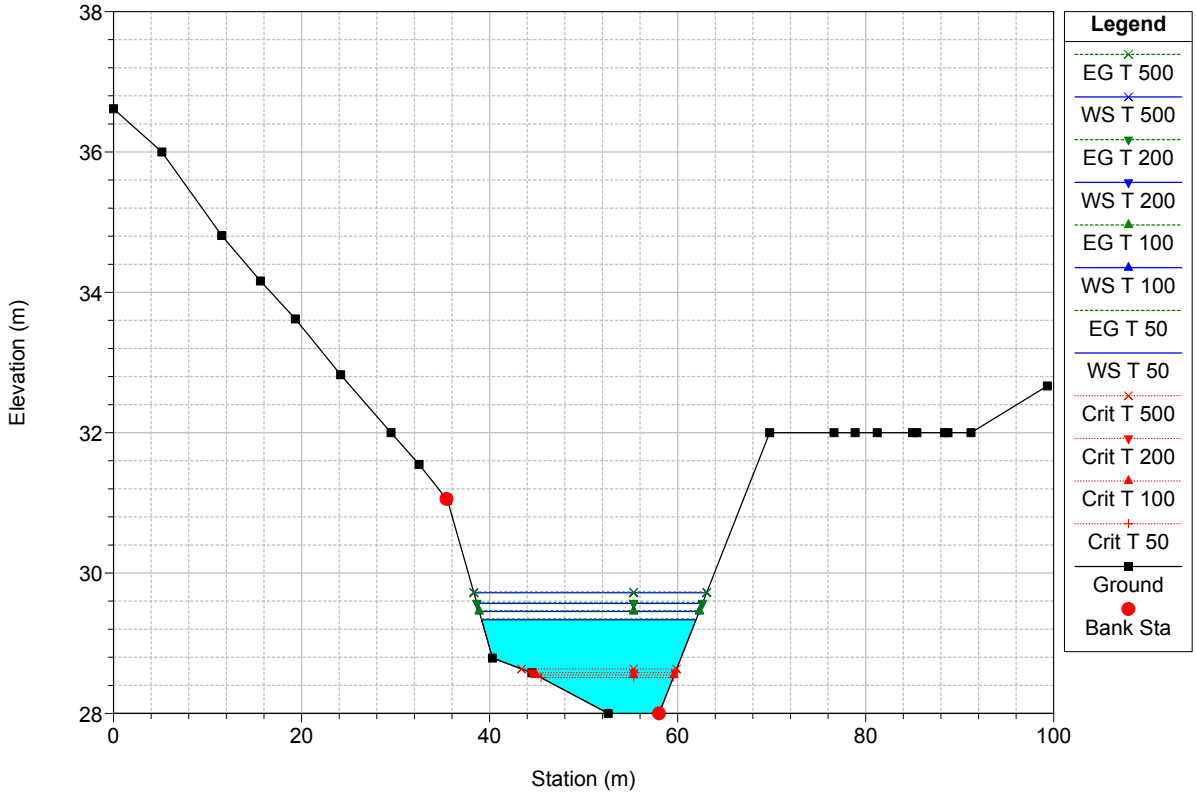
Flow: PORTATE



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

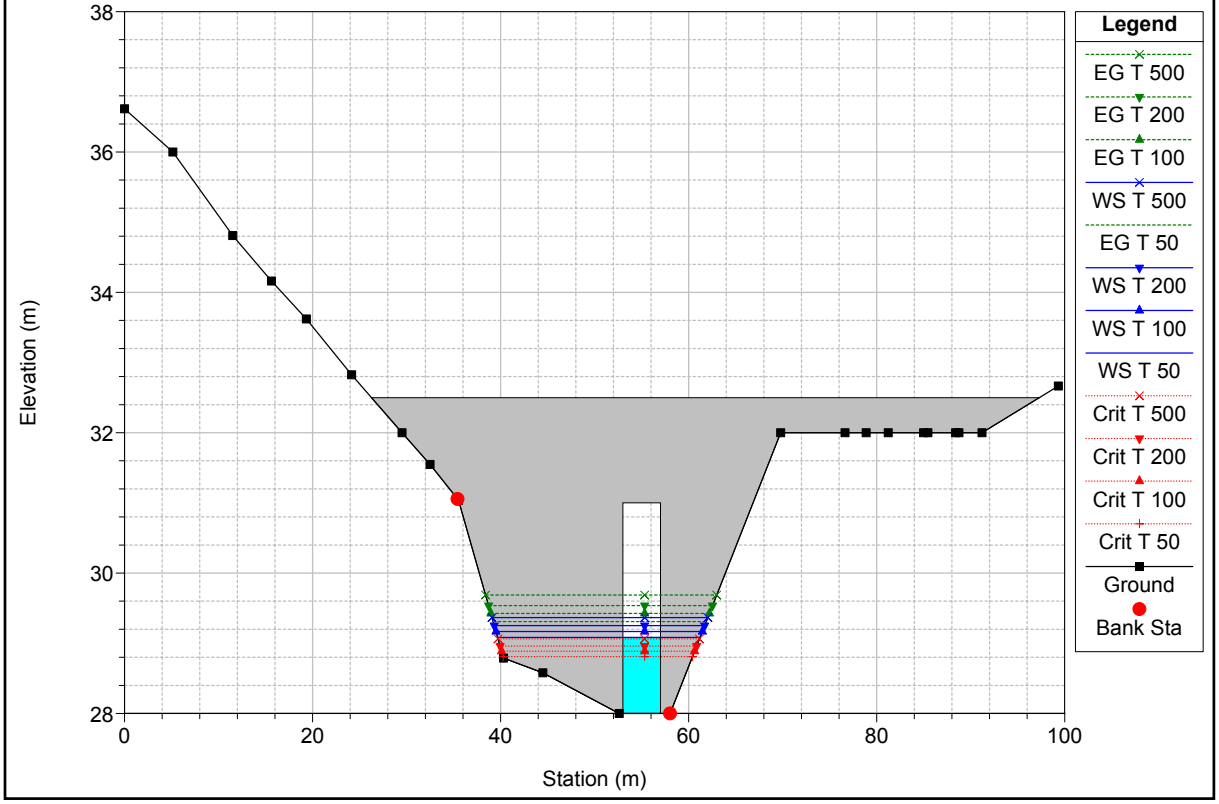
River = CSS Reach = Med RS = 688



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

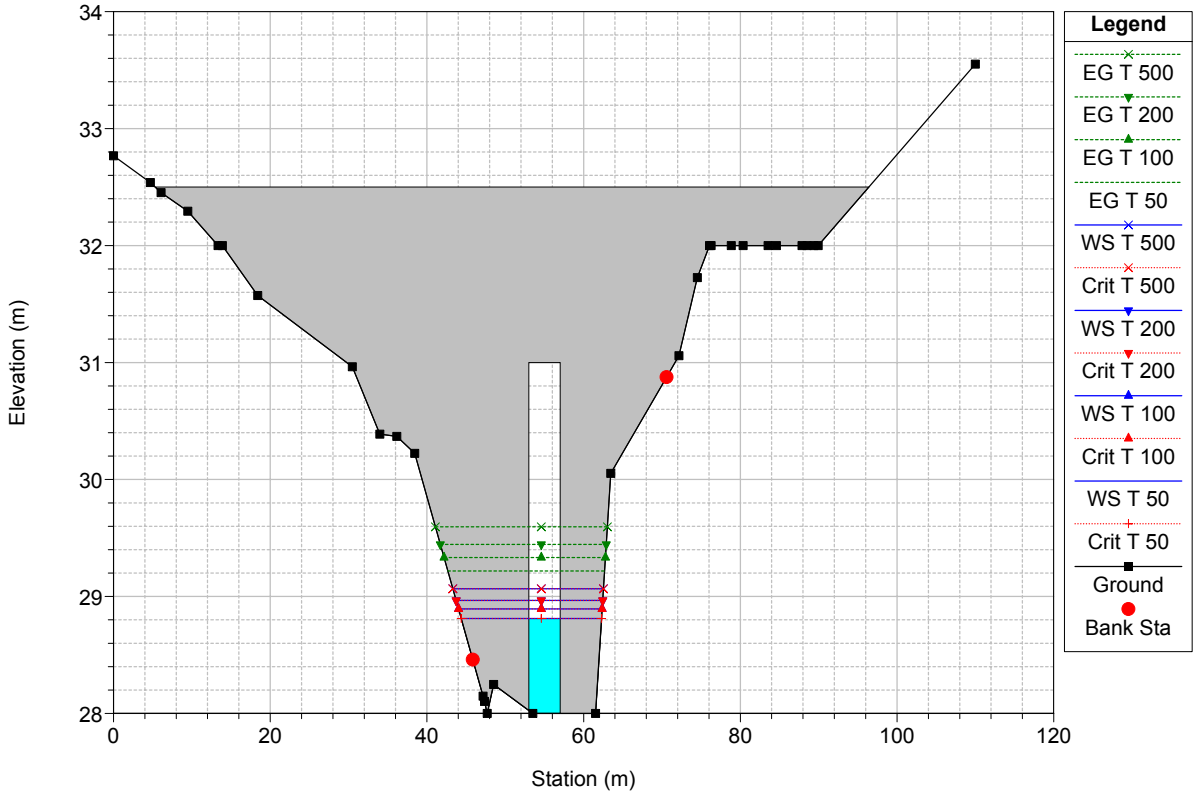
River = CSS Reach = Med RS = 666 BR



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

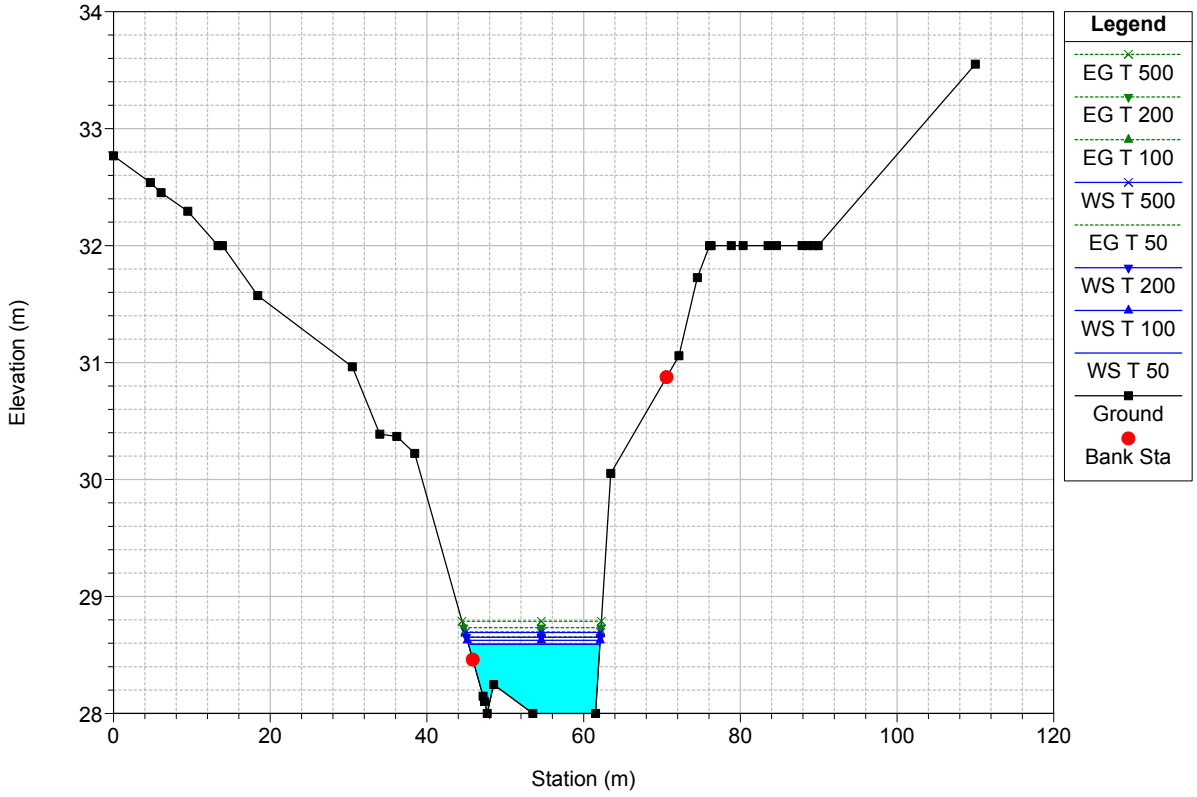
River = CSS Reach = Med RS = 666 BR



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

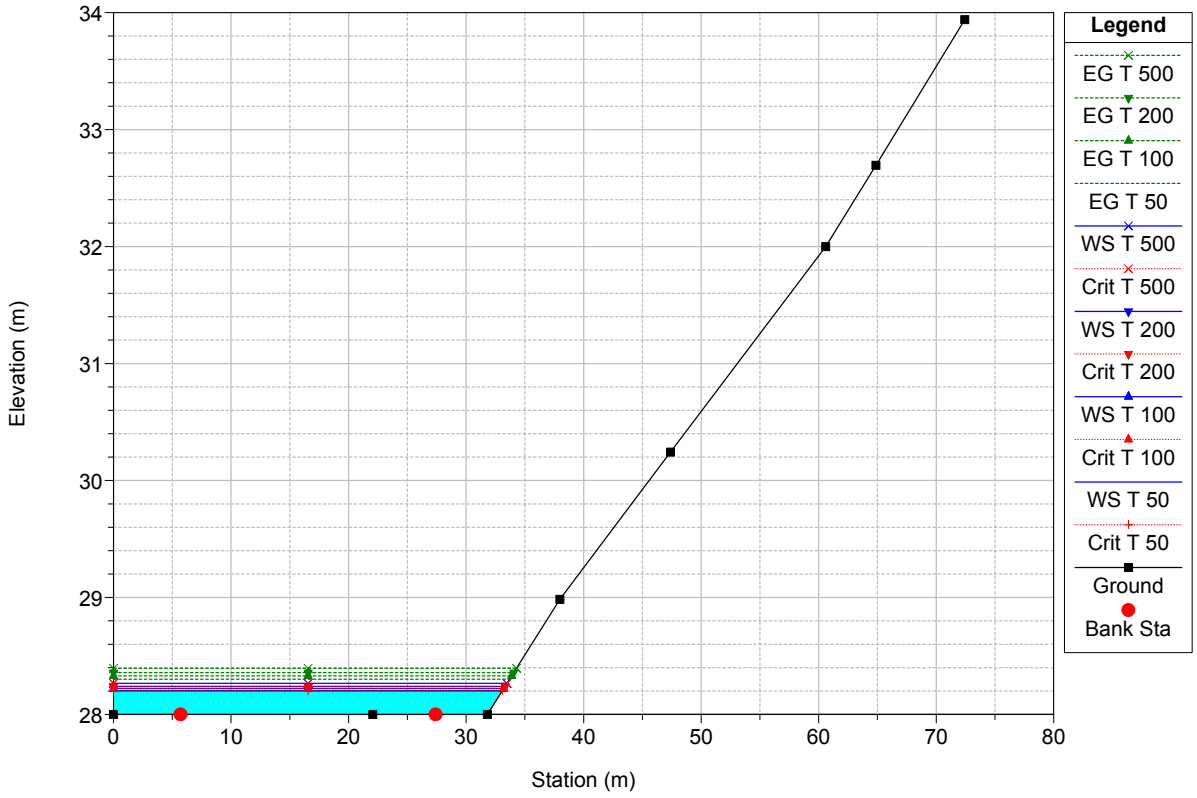
River = CSS Reach = Med RS = 650



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

River = CSS Reach = Med RS = 603



HEC-RAS Plan: Plan 01 River: CSS Reach: Med

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)	
Med	688	T 50	9.15	28.00	29.34	28.51	29.35	0.000243	0.44	21.40	22.81	0.14
Med	688	T 100	10.48	28.00	29.45	28.55	29.46	0.000222	0.45	24.09	23.40	0.14
Med	688	T 200	11.82	28.00	29.57	28.58	29.58	0.000205	0.46	26.77	23.97	0.13
Med	688	T 500	13.72	28.00	29.72	28.63	29.73	0.000187	0.47	30.49	24.75	0.13
Med	666		Bridge									
Med	650	T 50	9.15	28.00	28.59		28.65	0.003746	1.10	8.33	16.79	0.49
Med	650	T 100	10.48	28.00	28.62		28.70	0.004017	1.19	8.88	16.96	0.51
Med	650	T 200	11.82	28.00	28.65		28.73	0.004382	1.28	9.32	17.09	0.54
Med	650	T 500	13.72	28.00	28.69		28.79	0.004687	1.38	10.02	17.30	0.57
Med	603	T 50	9.15	28.00	28.20	28.20	28.30	0.020717	1.42	6.56	33.08	1.01
Med	603	T 100	10.48	28.00	28.22	28.22	28.33	0.020159	1.48	7.19	33.20	1.01
Med	603	T 200	11.82	28.00	28.24	28.24	28.36	0.019552	1.54	7.81	33.32	1.01
Med	603	T 500	13.72	28.00	28.26	28.26	28.39	0.018935	1.62	8.64	33.47	1.01

IL BACINO CALA SASSARI SUD - 5

N
W
E
S

0 45 90 180 270 360

Meters

1:4 000

ALTIMETRIA

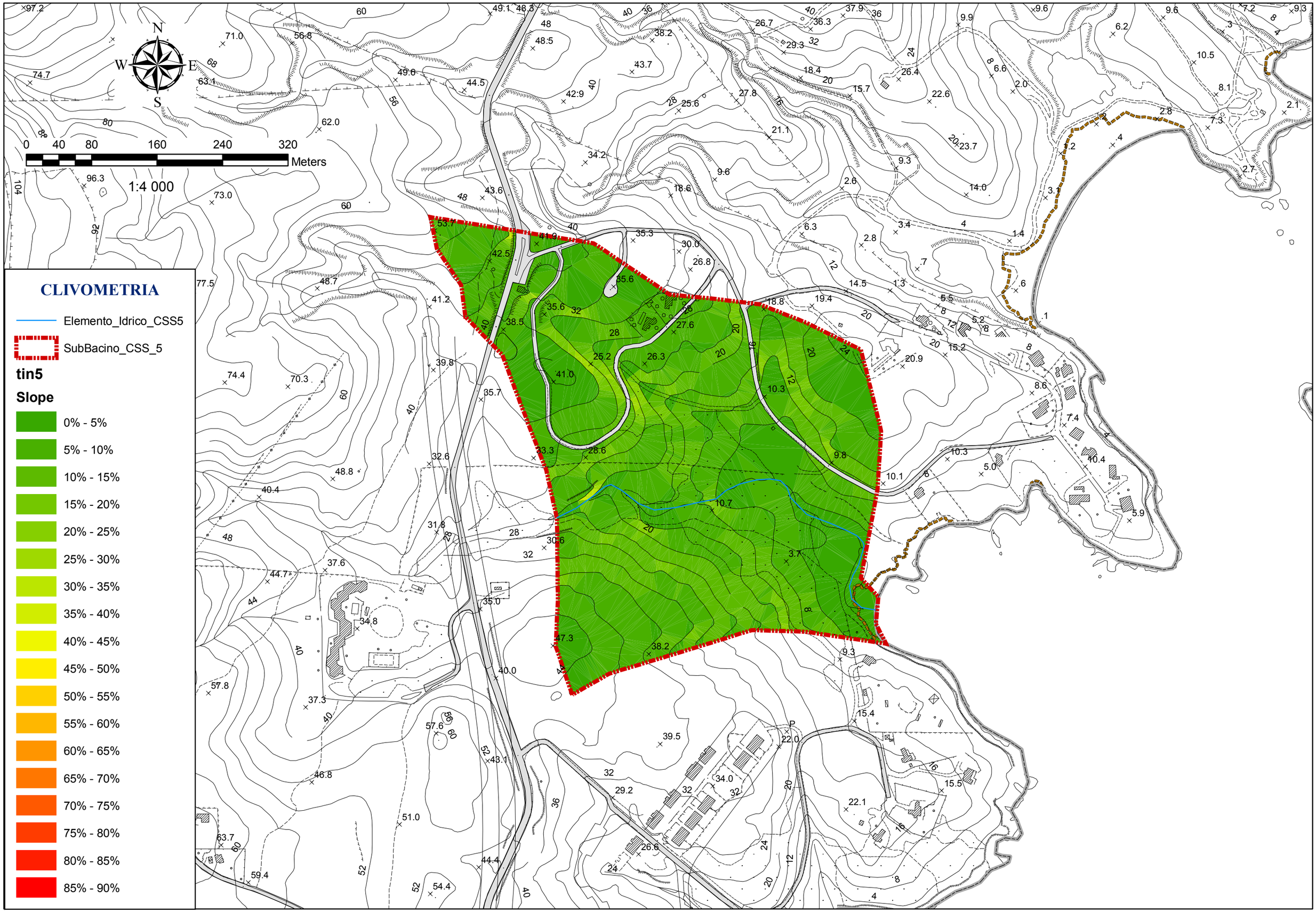
Elemento_Idrico_CSS5

SubBacino_CSS_5

tin5

Elevation

- 55 - 60
- 50 - 55
- 45 - 50
- 40 - 45
- 35 - 40
- 30 - 35
- 25 - 30
- 20 - 25
- 15 - 20
- 10 - 15
- 5 - 10
- 4 - 5


CLIVOMETRIA
Elemento_Idrico_CSS5
SubBacino_CSS_5
tin5
Slope
0% - 5%
5% - 10%
10% - 15%
15% - 20%
20% - 25%
25% - 30%
30% - 35%
35% - 40%
40% - 45%
45% - 50%
50% - 55%
55% - 60%
60% - 65%
65% - 70%
70% - 75%
75% - 80%
80% - 85%
85% - 90%
N
W
E
S
0 40 80 160 240 320
Meters
1:4 000

N
W E
S

0 40 80 160 240 320
Meters

1:4 000

CLIVOMETRIA ALVEO

Elemento_Idrico_CSS5

SubBacino_CSS_5

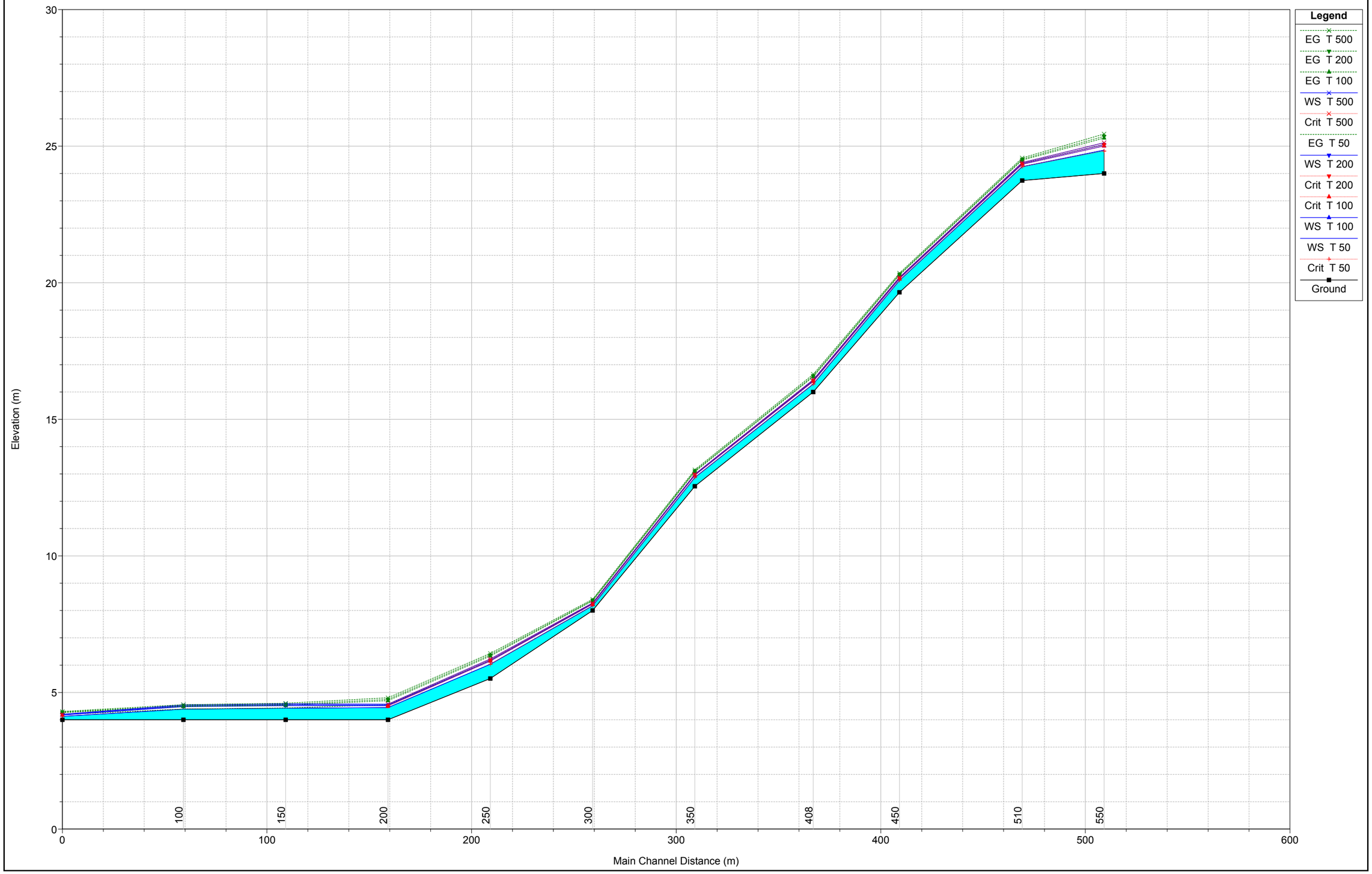
tin alv5

Slope

- 0%
- 0% - 3.71%
- 3.71% - 5.14%
- 5.14% - 6.58%
- 6.58% - 9.15%
- 9.15% - 12.69%
- 12.69% - 15.04%
- 15.04% - 22.13%
- 22.13% - 90%

CalaSassariSud Plan: Plan 01 05/09/2014

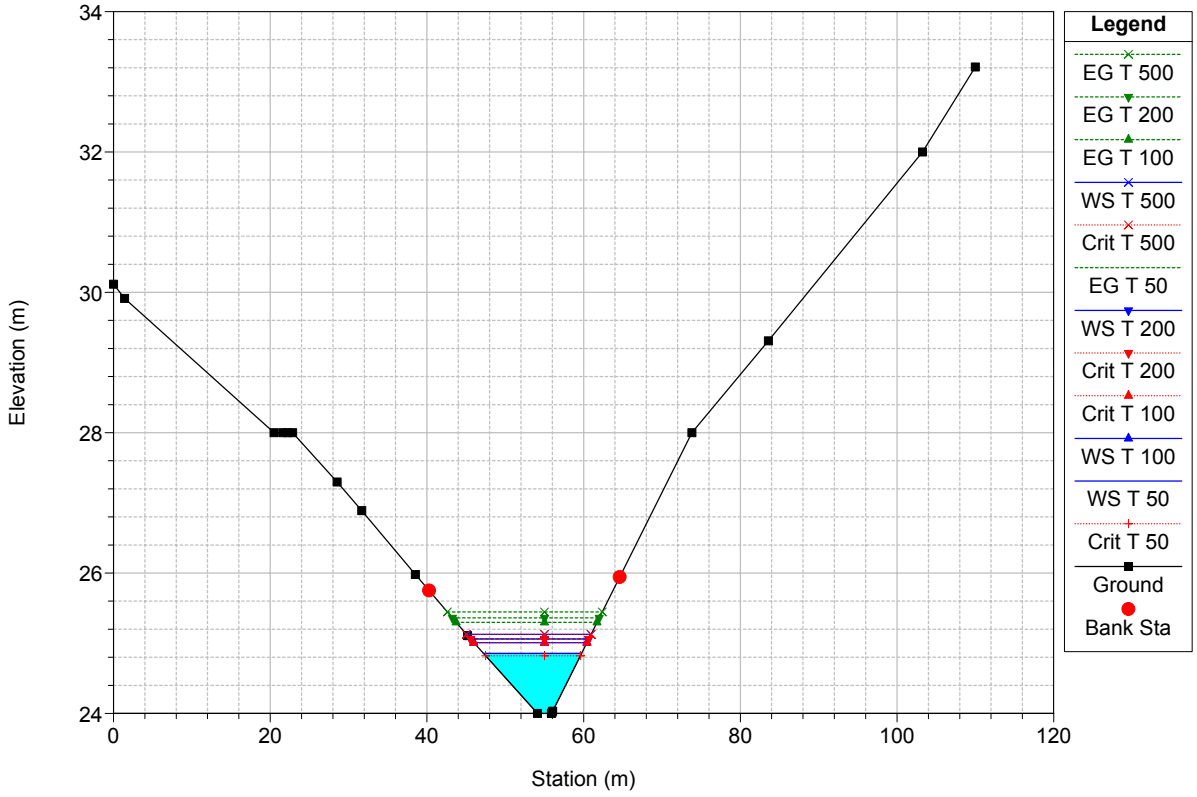
Flow: PORTATE



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

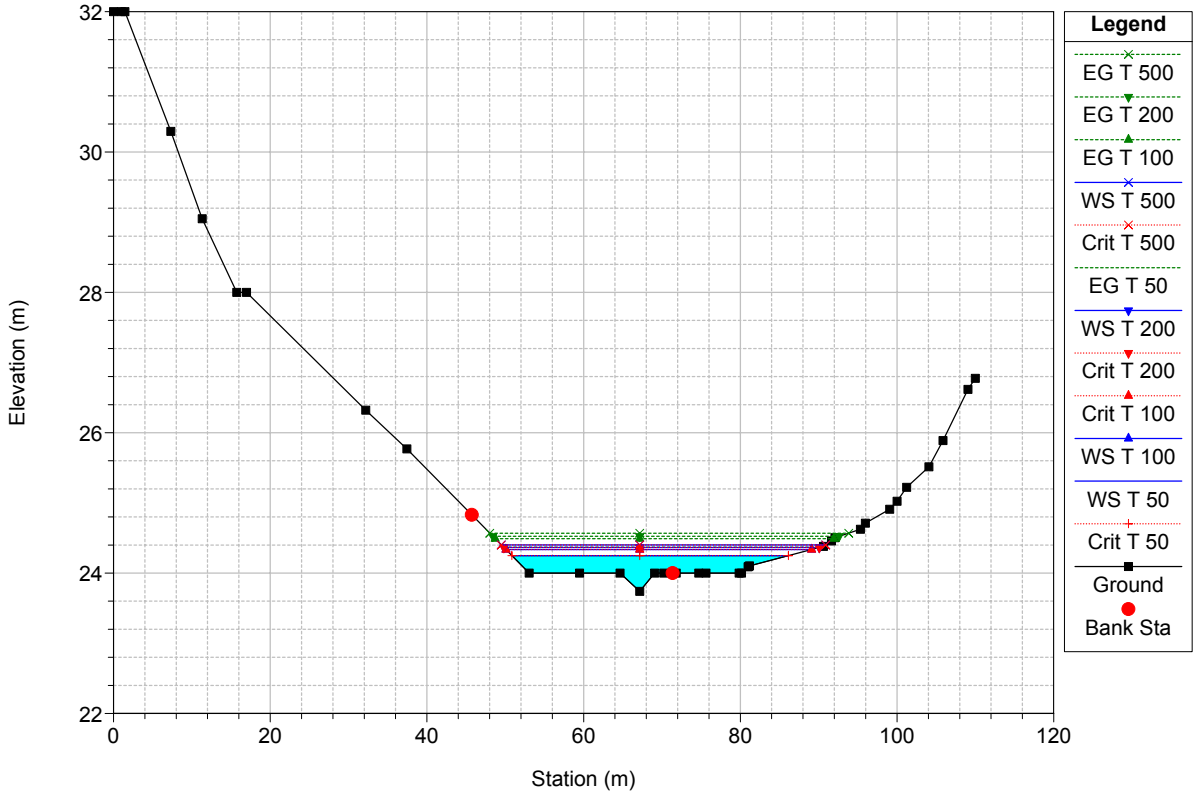
River = CSS Reach = DW RS = 550



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

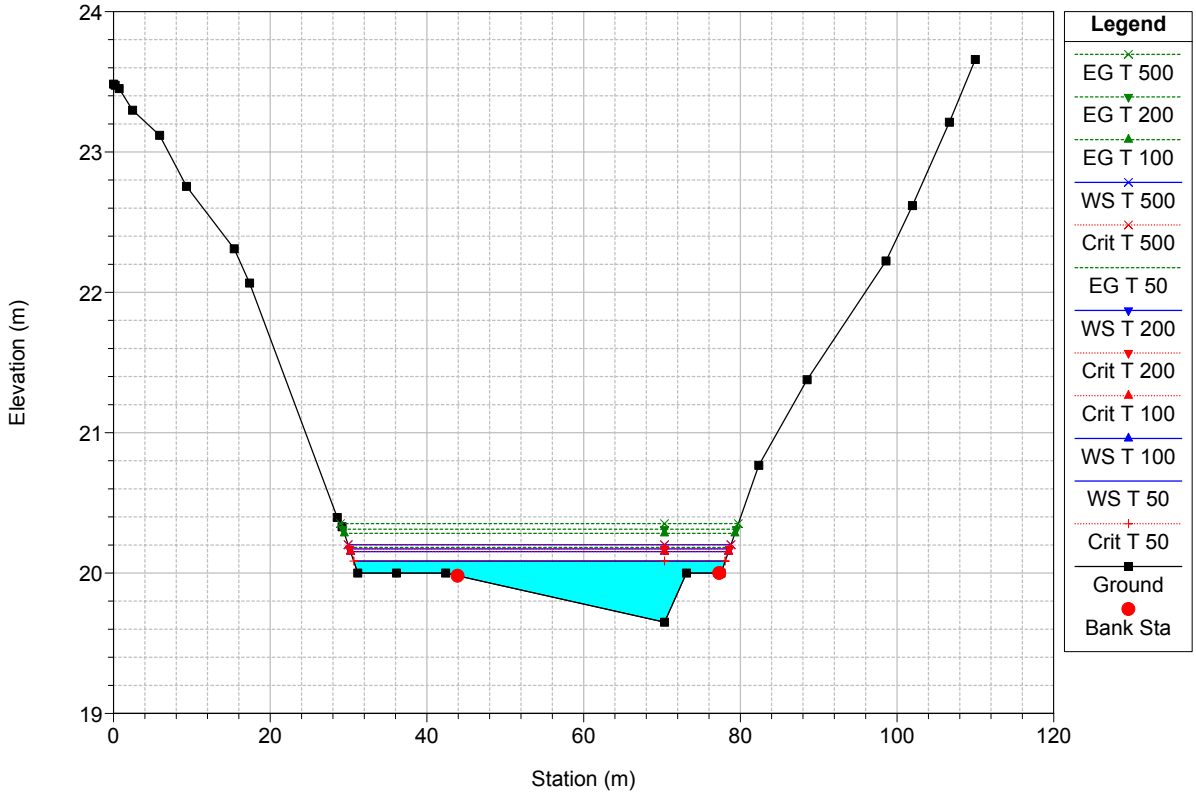
River = CSS Reach = DW RS = 510



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

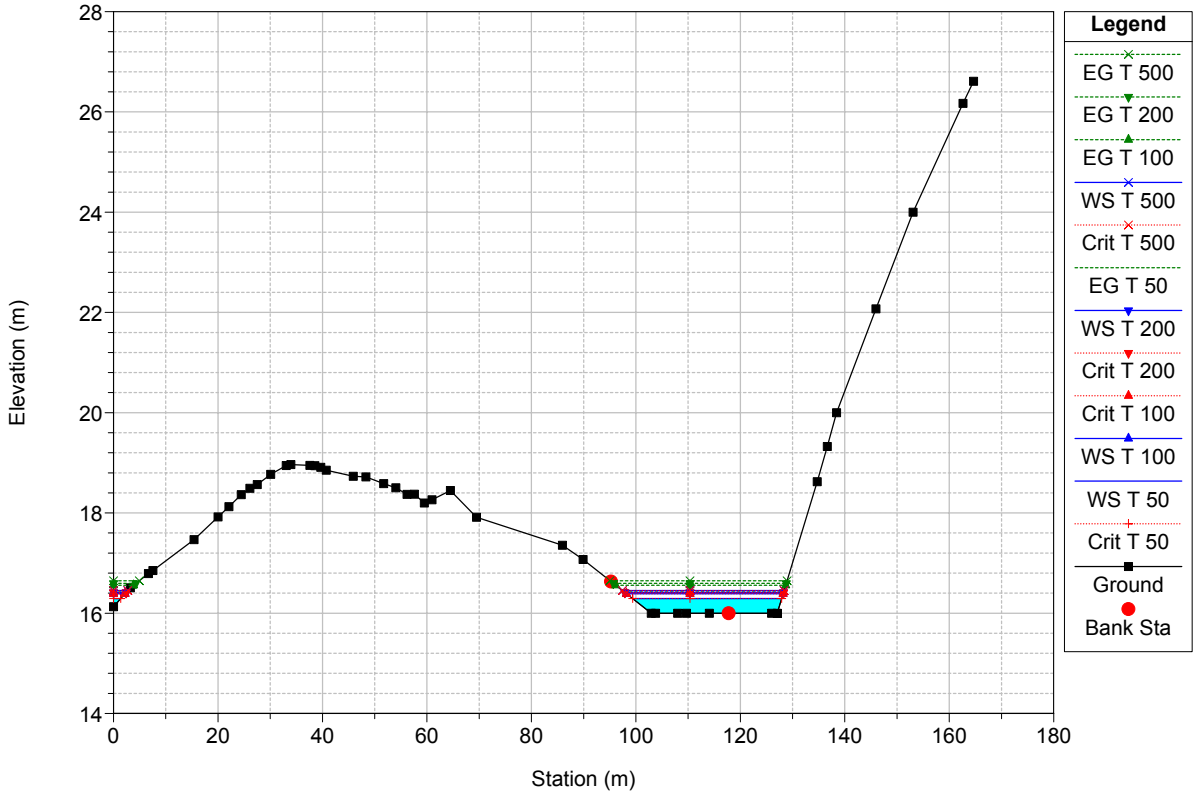
River = CSS Reach = DW RS = 450



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

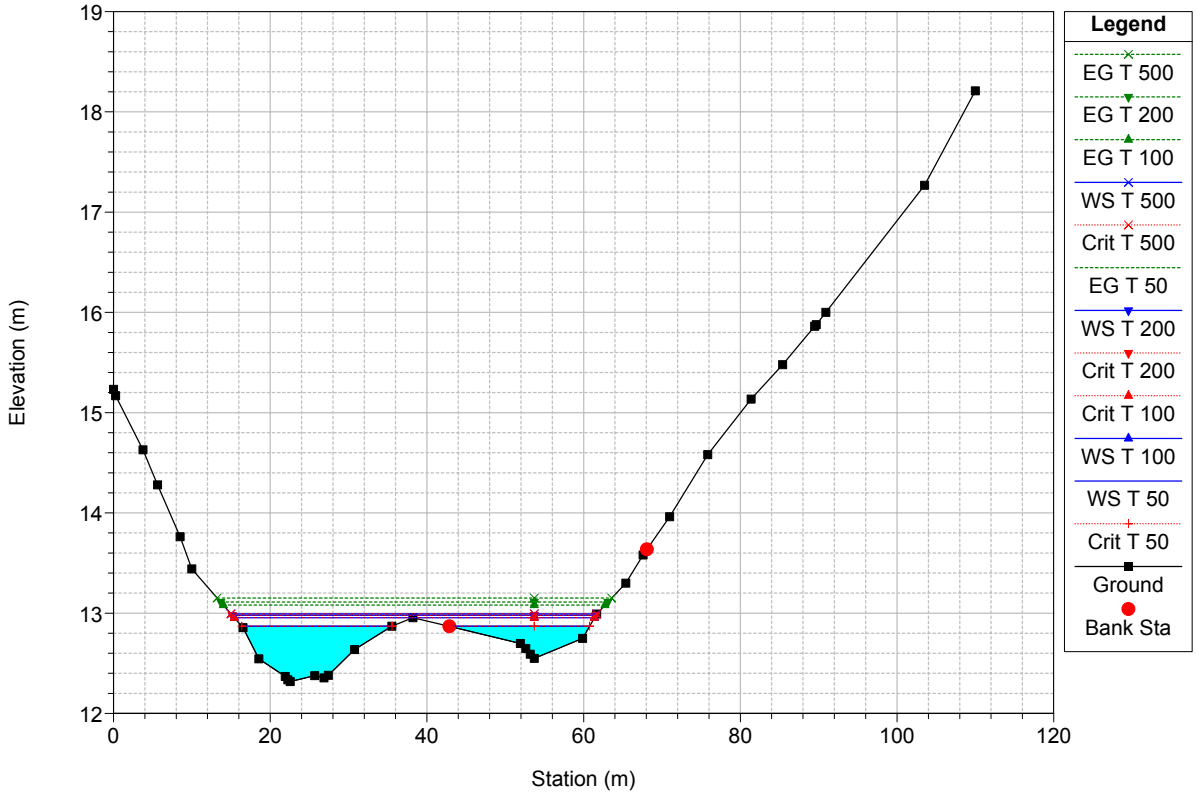
River = CSS Reach = DW RS = 408



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

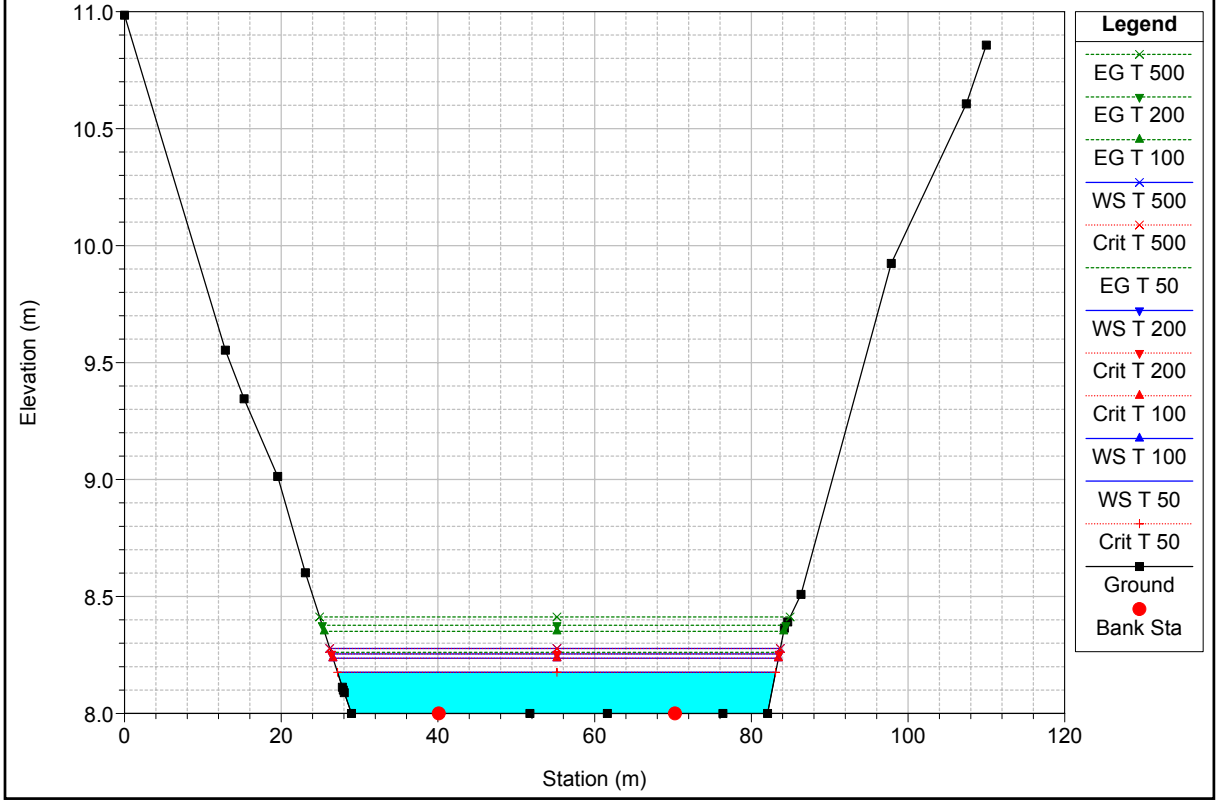
River = CSS Reach = DW RS = 350



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

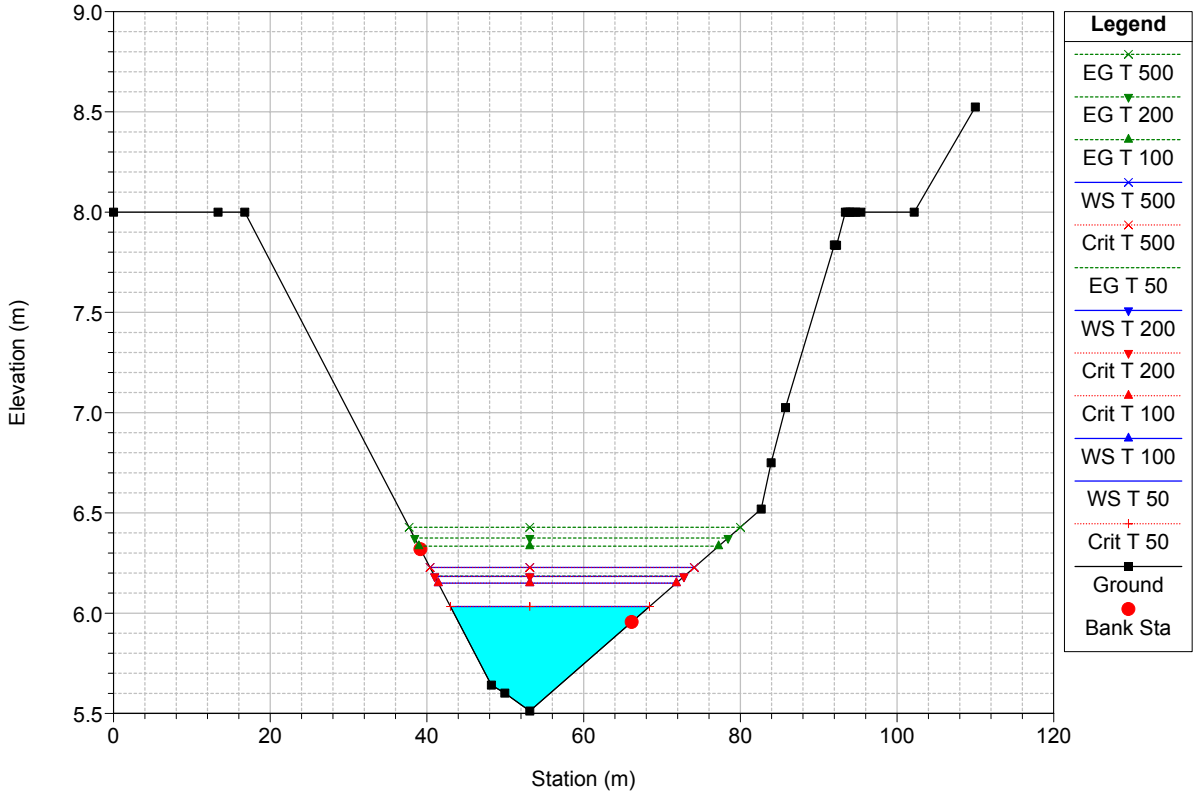
River = CSS Reach = DW RS = 300



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

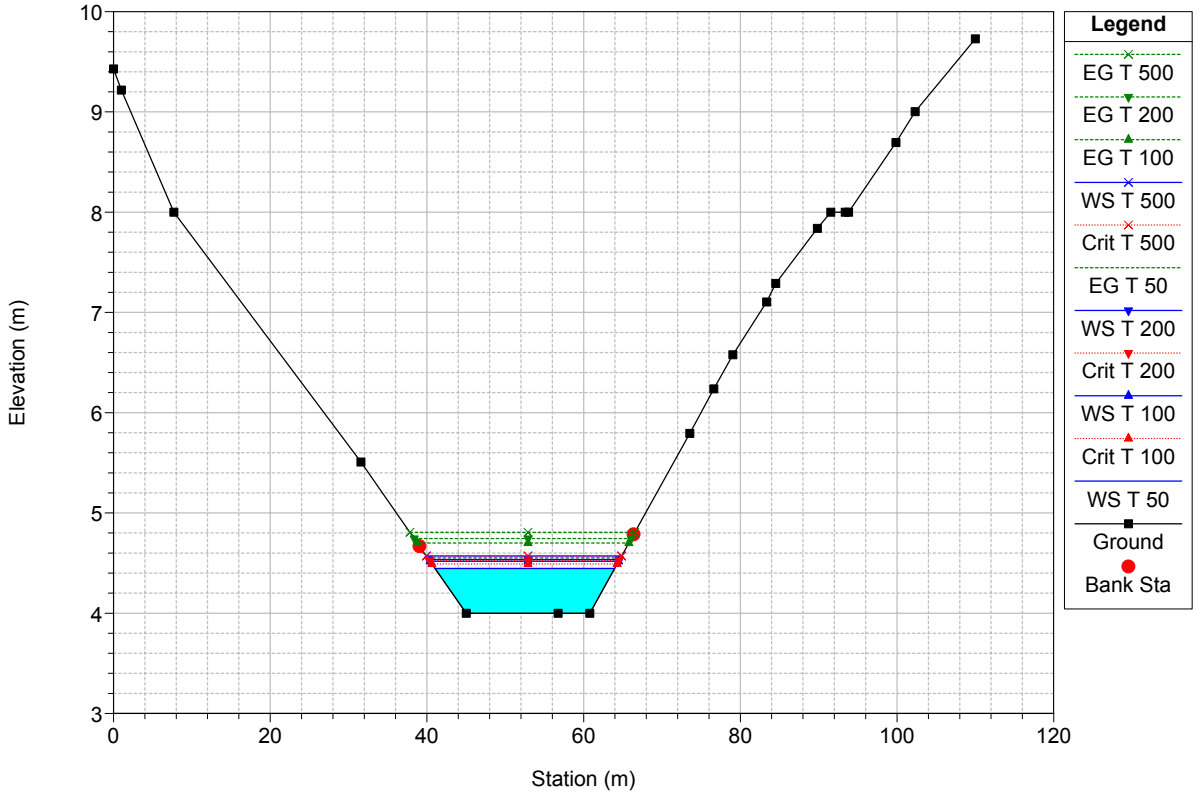
River = CSS Reach = DW RS = 250



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

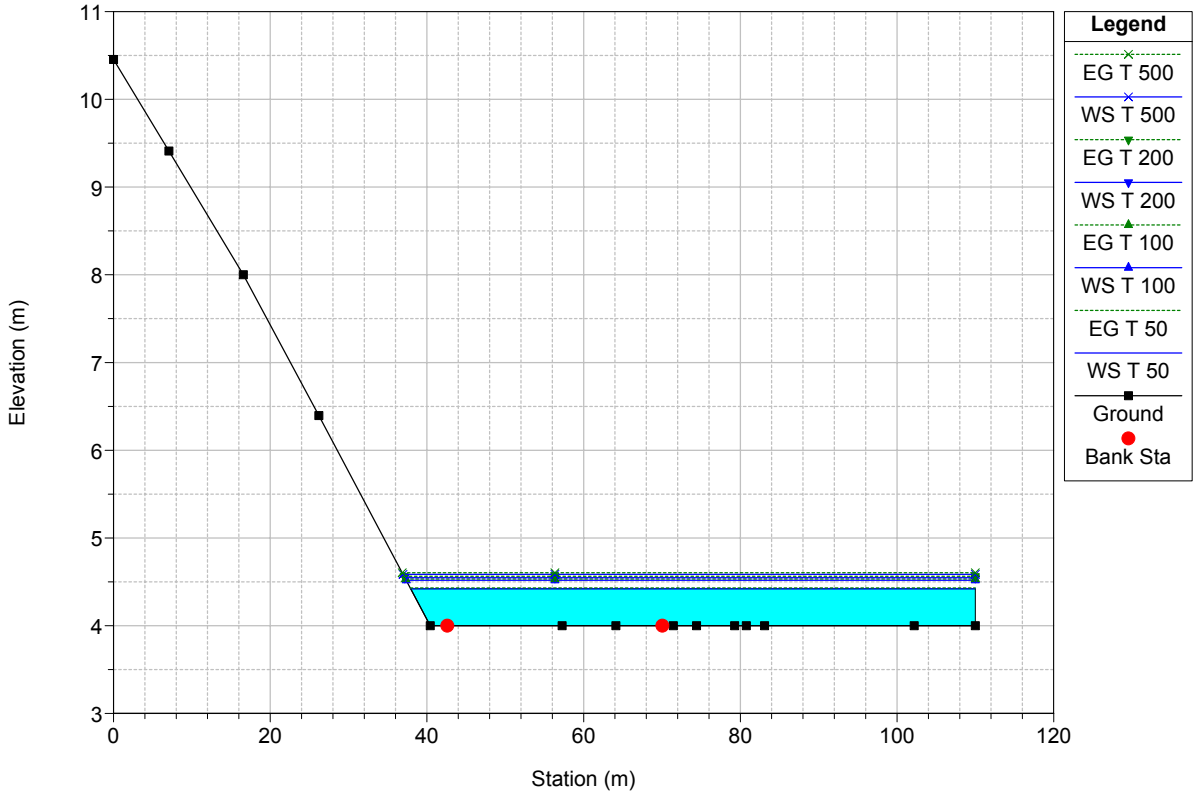
River = CSS Reach = DW RS = 200



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

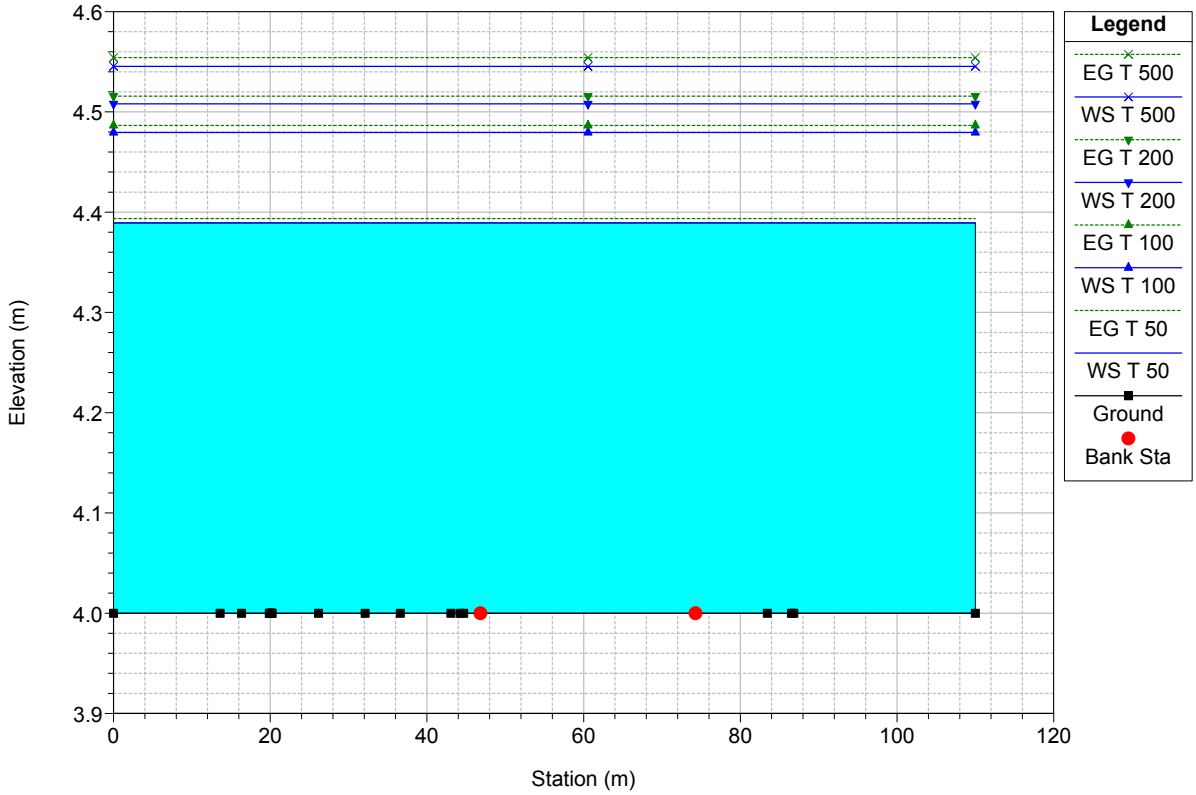
River = CSS Reach = DW RS = 150



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

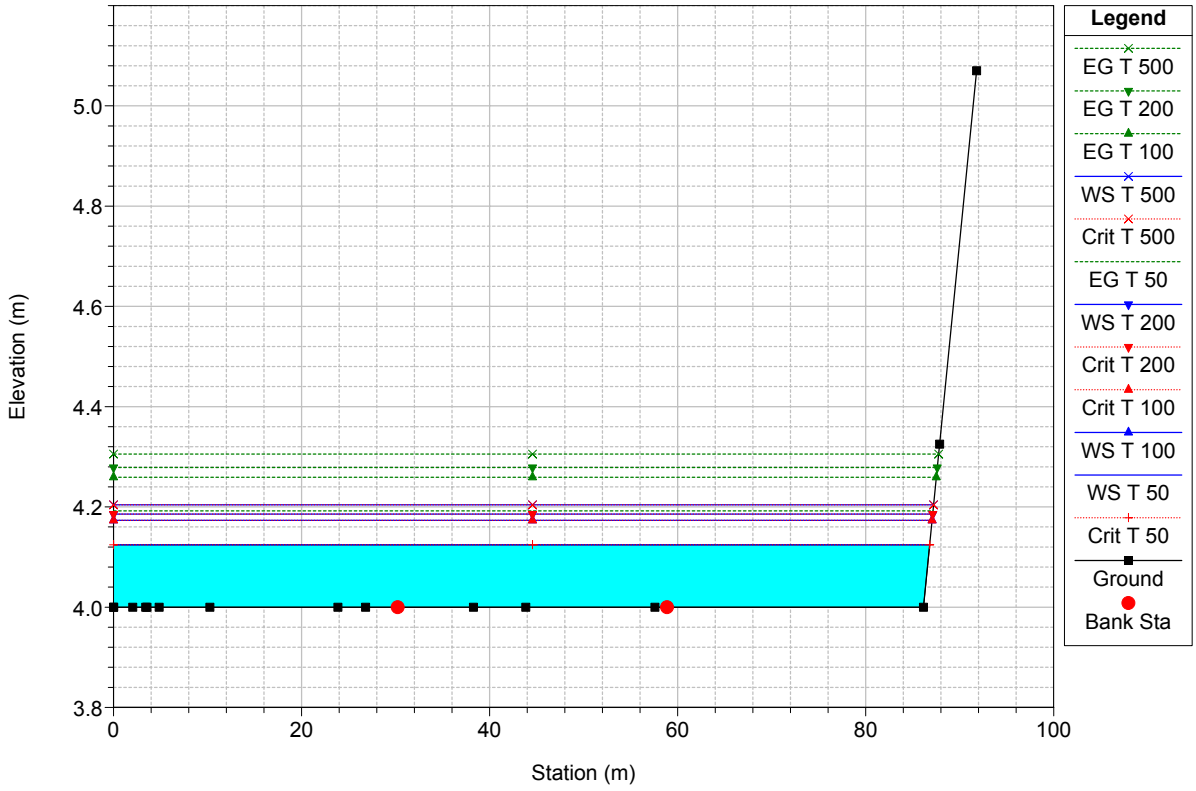
River = CSS Reach = DW RS = 100



CalaSassariSud Plan: Plan 01 05/09/2014

Flow: PORTATE

River = CSS Reach = DW RS = 41

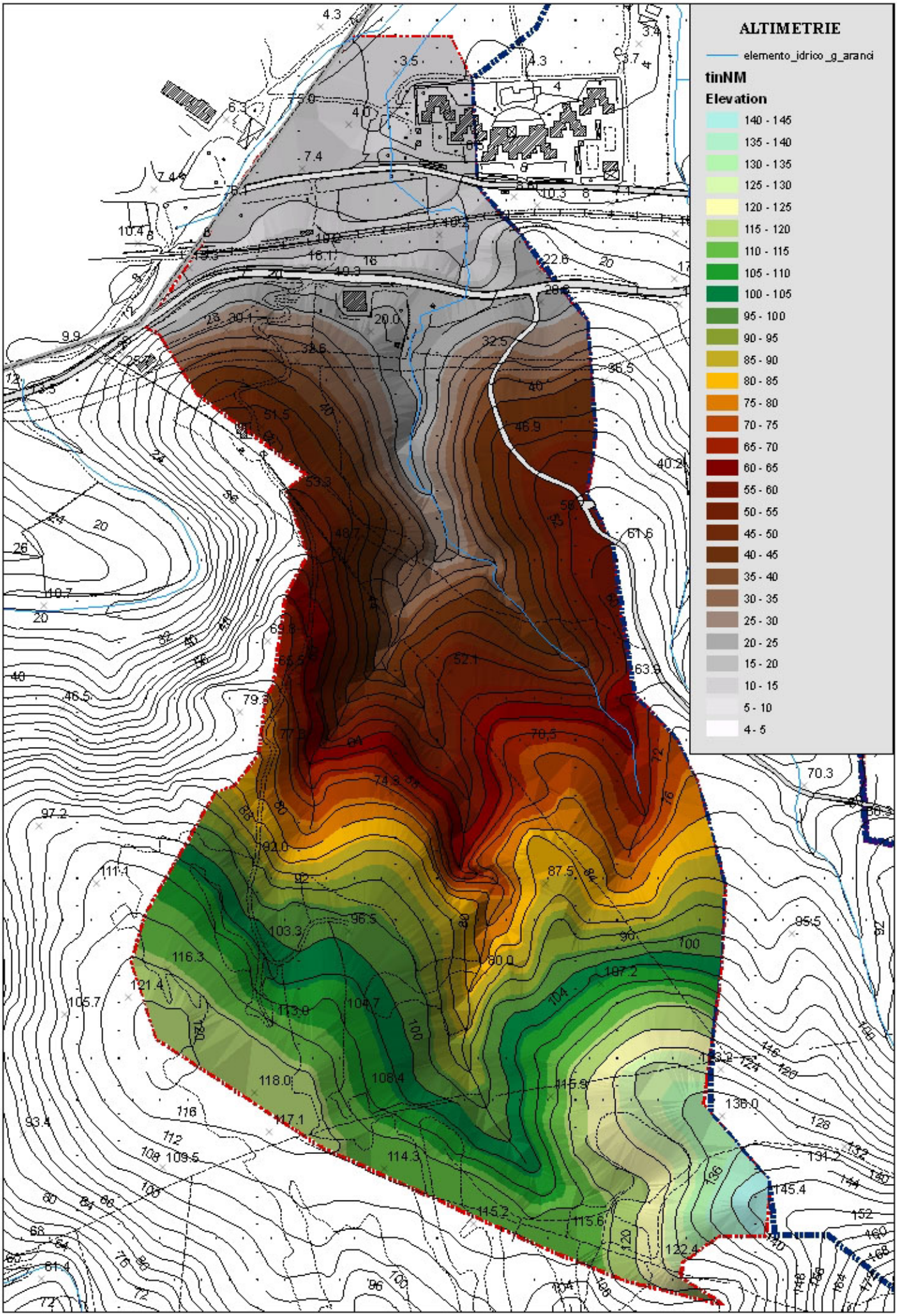


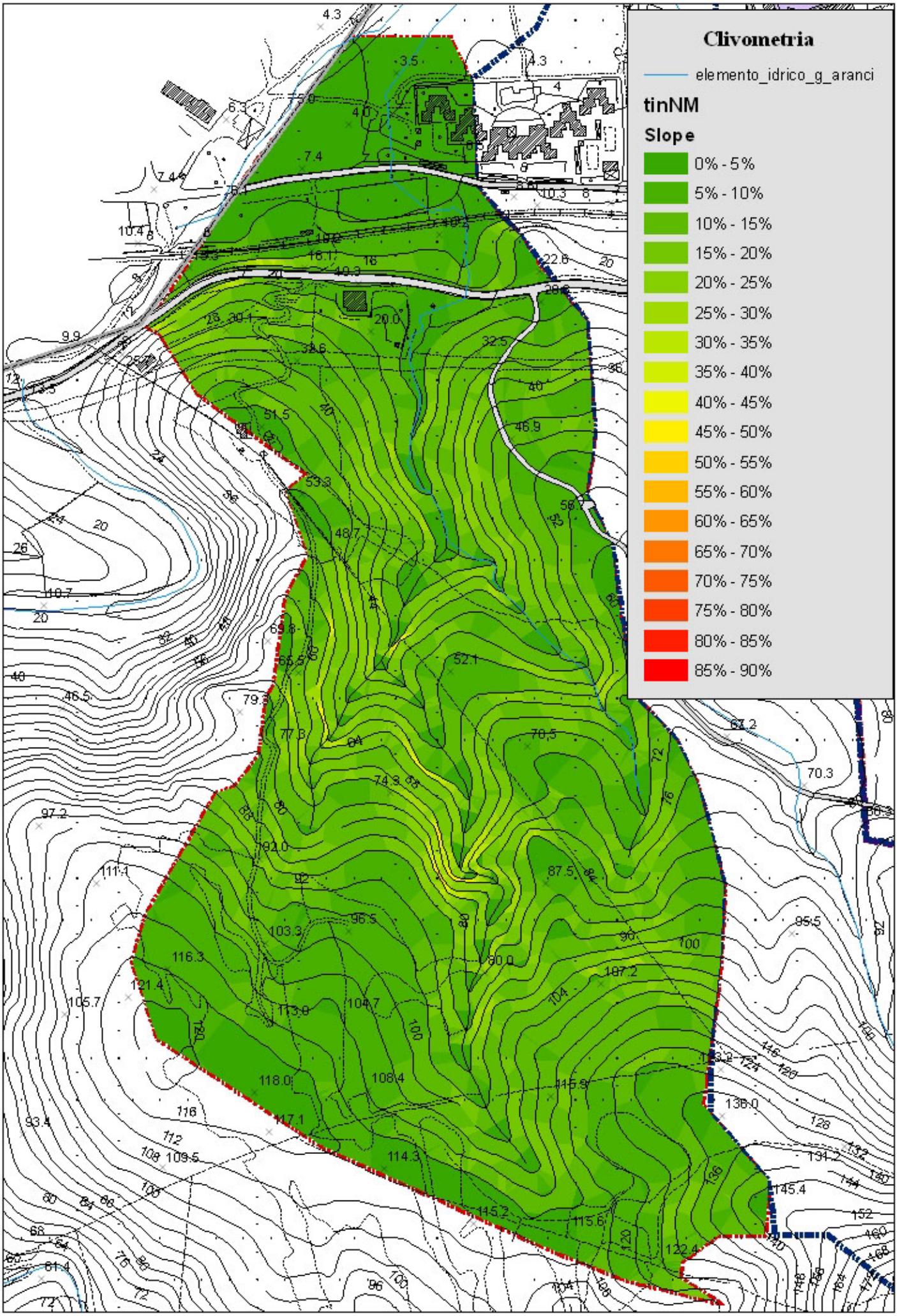
HEC-RAS Plan: Plan 01 River: CSS Reach: DW

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)	
DW	550	T 50	12.40	24.00	24.85	24.82	25.06	0.013253	2.03	6.12	12.52	0.92
DW	550	T 100	19.49	24.00	25.01	25.01	25.30	0.014978	2.38	8.20	14.45	1.01
DW	550	T 200	21.75	24.00	25.06	25.06	25.36	0.014749	2.43	8.95	15.09	1.01
DW	550	T 500	24.98	24.00	25.13	25.13	25.45	0.014470	2.50	9.99	15.92	1.01
DW	510	T 50	12.40	23.74	24.25	24.25	24.37	0.019365	1.63	8.16	35.29	1.01
DW	510	T 100	19.49	23.74	24.34	24.34	24.49	0.017867	1.86	11.40	39.01	1.02
DW	510	T 200	21.75	23.74	24.37	24.37	24.52	0.016748	1.89	12.57	40.27	1.00
DW	510	T 500	24.98	23.74	24.40	24.40	24.57	0.015803	1.93	14.06	41.39	0.98
DW	450	T 50	12.40	19.65	20.09	20.09	20.18	0.015882	1.41	9.38	47.42	0.91
DW	450	T 100	19.49	19.65	20.15	20.15	20.28	0.015849	1.66	12.61	48.25	0.95
DW	450	T 200	21.75	19.65	20.17	20.17	20.31	0.015817	1.72	13.54	48.49	0.95
DW	450	T 500	24.98	19.65	20.20	20.20	20.35	0.015231	1.79	14.97	48.85	0.95
DW	408	T 50	12.40	16.00	16.29	16.29	16.42	0.018268	1.59	7.78	29.90	0.99
DW	408	T 100	19.49	16.00	16.39	16.39	16.56	0.016651	1.80	10.80	32.19	0.98
DW	408	T 200	21.75	16.00	16.42	16.42	16.60	0.016447	1.86	11.66	32.82	0.99
DW	408	T 500	24.98	16.00	16.45	16.45	16.65	0.016020	1.93	12.91	33.70	0.99
DW	350	T 50	12.40	12.55	12.87	12.87	12.98	0.013230	0.92	8.99	37.16	0.76
DW	350	T 100	19.49	12.55	12.96	12.96	13.08	0.016443	1.36	12.53	45.97	0.91
DW	350	T 200	21.75	12.55	12.98	12.98	13.11	0.015709	1.41	13.63	46.41	0.91
DW	350	T 500	24.98	12.55	12.99	12.99	13.15	0.017976	1.56	14.27	46.66	0.98
DW	300	T 50	12.40	8.00	8.18	8.18	8.26	0.021660	1.32	9.57	55.92	1.00
DW	300	T 100	19.49	8.00	8.24	8.24	8.35	0.019736	1.53	12.99	56.86	1.01
DW	300	T 200	21.75	8.00	8.25	8.25	8.38	0.019102	1.59	14.04	57.14	1.00
DW	300	T 500	24.98	8.00	8.28	8.28	8.41	0.018816	1.67	15.36	57.50	1.01
DW	250	T 50	12.40	5.51	6.03	6.03	6.19	0.017619	1.73	7.23	25.40	0.99
DW	250	T 100	19.49	5.51	6.15	6.15	6.33	0.015201	1.92	10.50	30.40	0.97
DW	250	T 200	21.75	5.51	6.18	6.18	6.37	0.014656	1.96	11.52	31.80	0.96
DW	250	T 500	24.98	5.51	6.23	6.23	6.43	0.013947	2.02	12.99	33.72	0.95
DW	200	T 50	12.40	4.00	4.45		4.55	0.009307	1.44	8.64	22.93	0.75
DW	200	T 100	19.49	4.00	4.52	4.49	4.70	0.013589	1.89	10.31	24.07	0.92
DW	200	T 200	21.75	4.00	4.54	4.53	4.74	0.014953	2.02	10.76	24.36	0.97
DW	200	T 500	24.98	4.00	4.57	4.57	4.81	0.015771	2.15	11.61	24.91	1.01
DW	150	T 50	12.40	4.00	4.42		4.43	0.000686	0.42	29.87	72.07	0.21
DW	150	T 100	19.49	4.00	4.52		4.53	0.000849	0.54	36.86	72.64	0.24
DW	150	T 200	21.75	4.00	4.55		4.56	0.000879	0.57	38.99	72.82	0.24
DW	150	T 500	24.98	4.00	4.59		4.60	0.000923	0.61	41.81	73.05	0.25
DW	100	T 50	12.40	4.00	4.39		4.39	0.001071	0.29	42.83	110.00	0.15
DW	100	T 100	19.49	4.00	4.48		4.49	0.001324	0.37	52.76	110.00	0.17
DW	100	T 200	21.75	4.00	4.51		4.52	0.001361	0.39	55.89	110.00	0.18
DW	100	T 500	24.98	4.00	4.55		4.55	0.001418	0.42	60.00	110.00	0.18
DW	41	T 50	12.40	4.00	4.12	4.12	4.19	0.077192	1.16	10.77	86.81	1.04
DW	41	T 100	19.49	4.00	4.17	4.17	4.26	0.063404	1.30	15.01	87.06	1.00
DW	41	T 200	21.75	4.00	4.19	4.19	4.28	0.062792	1.36	16.09	87.13	1.01
DW	41	T 500	24.98	4.00	4.20	4.20	4.31	0.060317	1.42	17.70	87.22	1.00

I BACINI DI MARINELLA

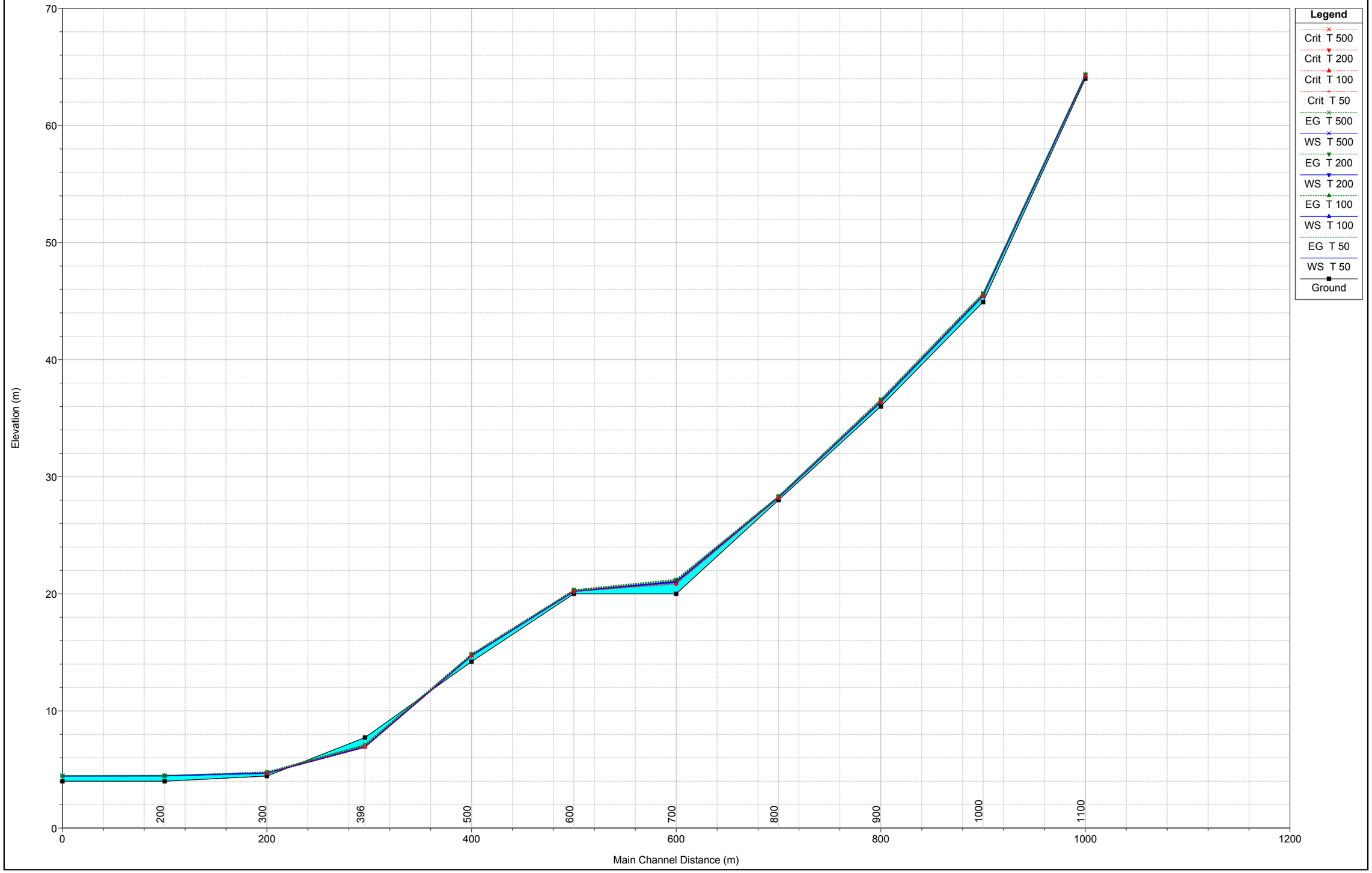
Bacino Nodu Mannu


ALTIMETRIE
elemento_idrico_g_aranci
tinNM
Elevation
140 - 145
135 - 140
130 - 135
125 - 130
120 - 125
115 - 120
110 - 115
105 - 110
100 - 105
95 - 100
90 - 95
85 - 90
80 - 85
75 - 80
70 - 75
65 - 70
60 - 65
55 - 60
50 - 55
45 - 50
40 - 45
35 - 40
30 - 35
25 - 30
20 - 25
15 - 20
10 - 15
5 - 10
4 - 5


Clivometria
elemento_idrico_g_aranci
tinNM
Slope
0% - 5%
5% - 10%
10% - 15%
15% - 20%
20% - 25%
25% - 30%
30% - 35%
35% - 40%
40% - 45%
45% - 50%
50% - 55%
55% - 60%
60% - 65%
65% - 70%
70% - 75%
75% - 80%
80% - 85%
85% - 90%

ModelloMarinella Plan: Plan 01 06/09/2014

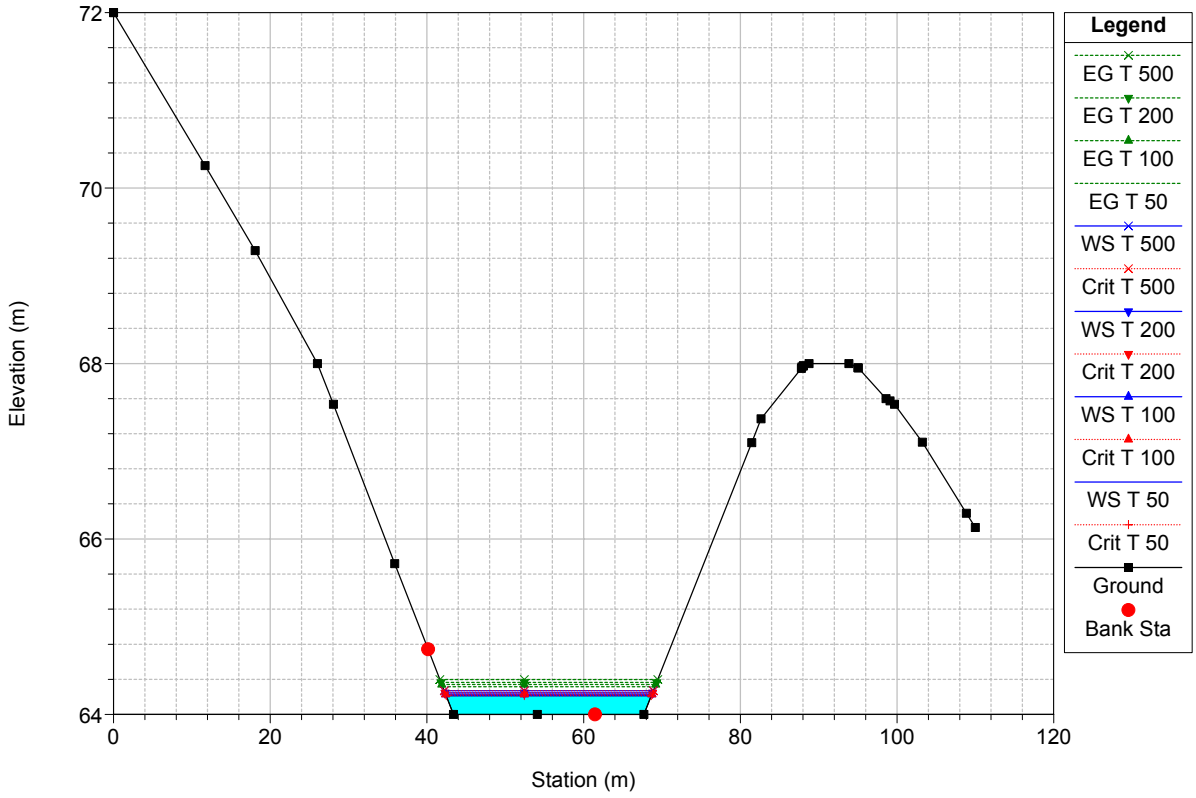
Flow: pORTATE



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

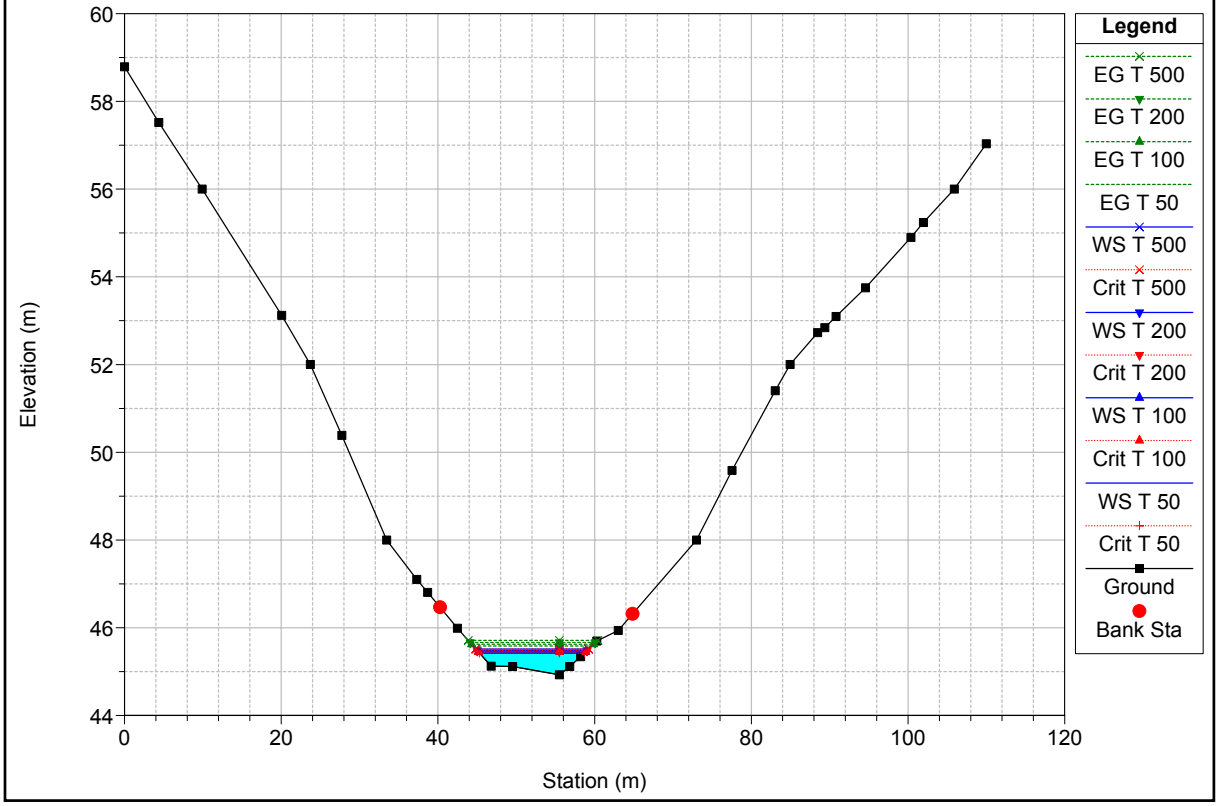
River = NDMn Reach = SX RS = 1100



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

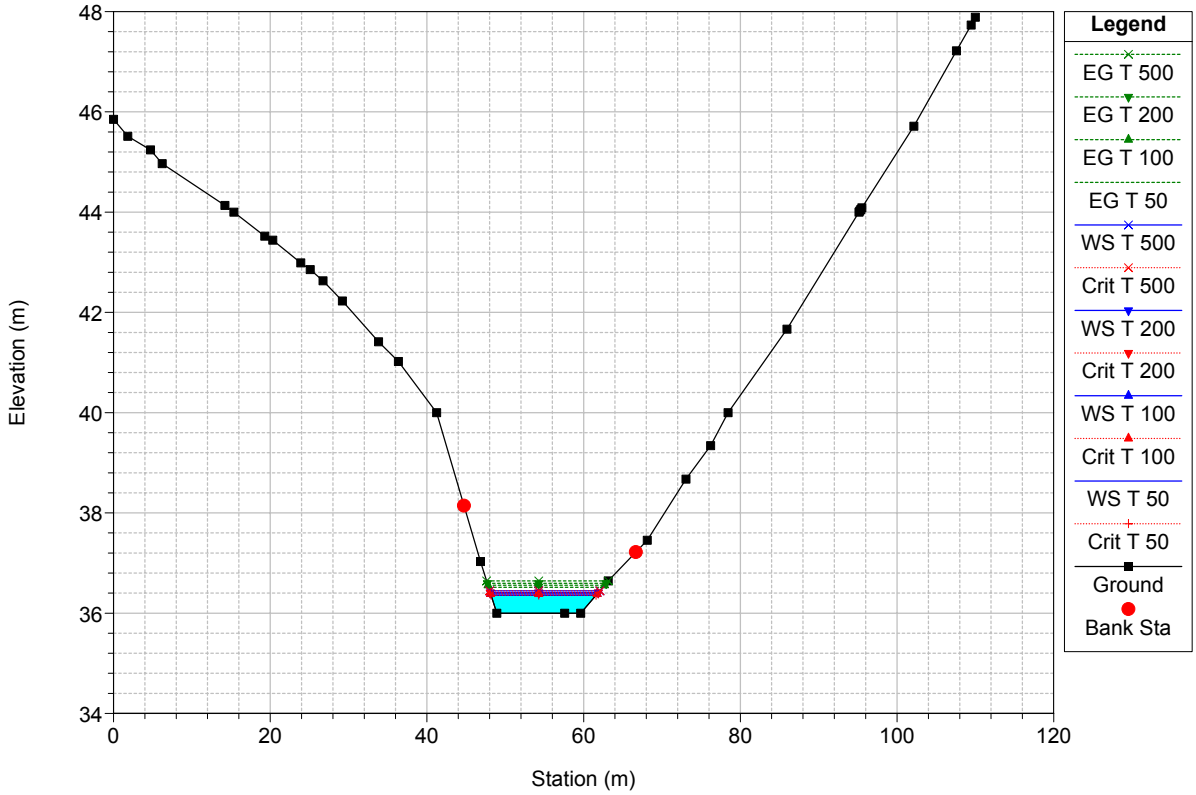
River = NDMn Reach = SX RS = 1000



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

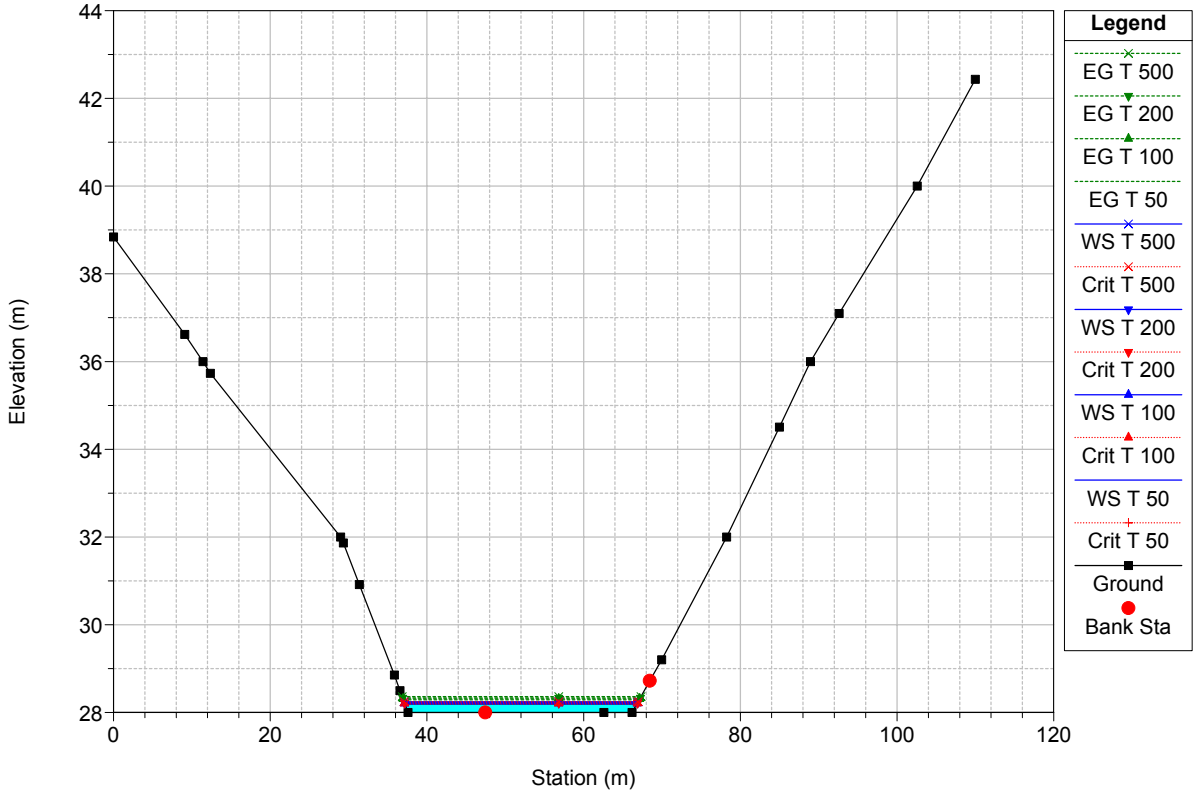
River = NDMn Reach = SX RS = 900



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

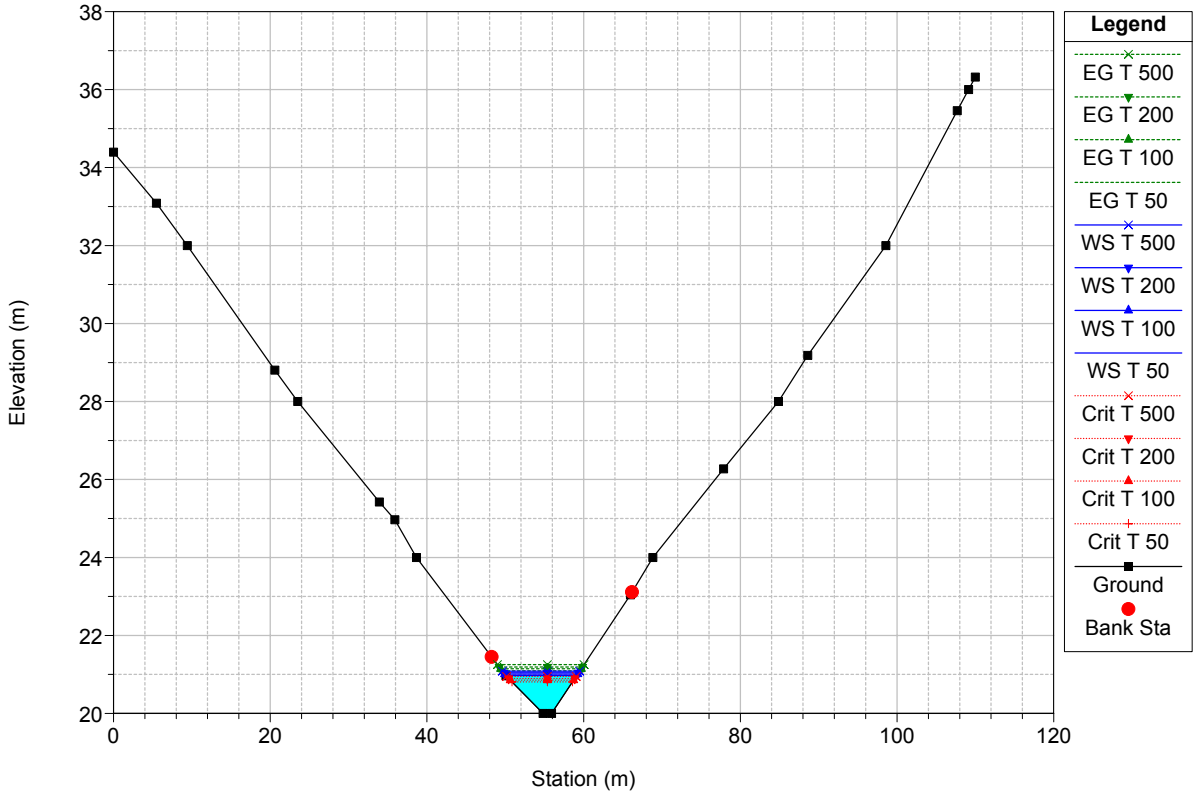
River = NDMn Reach = SX RS = 800



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

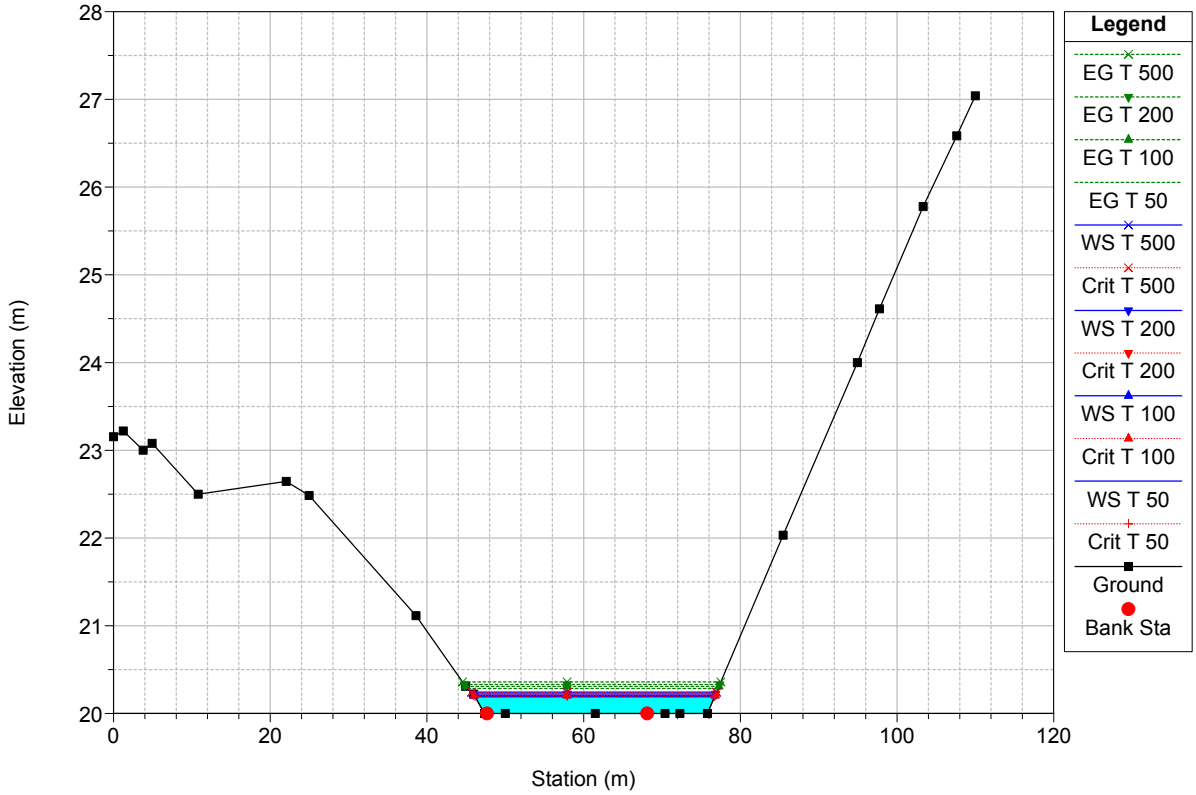
River = NDMn Reach = SX RS = 700



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

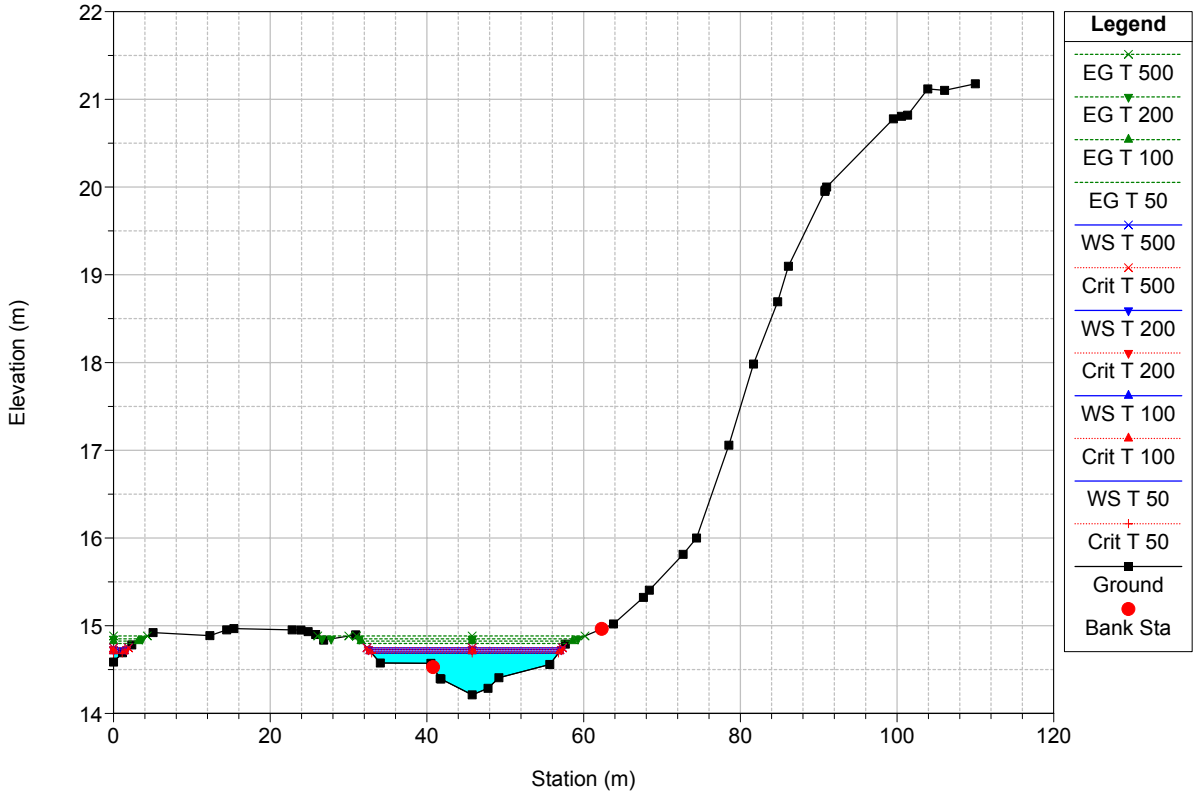
River = NDMn Reach = SX RS = 600



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

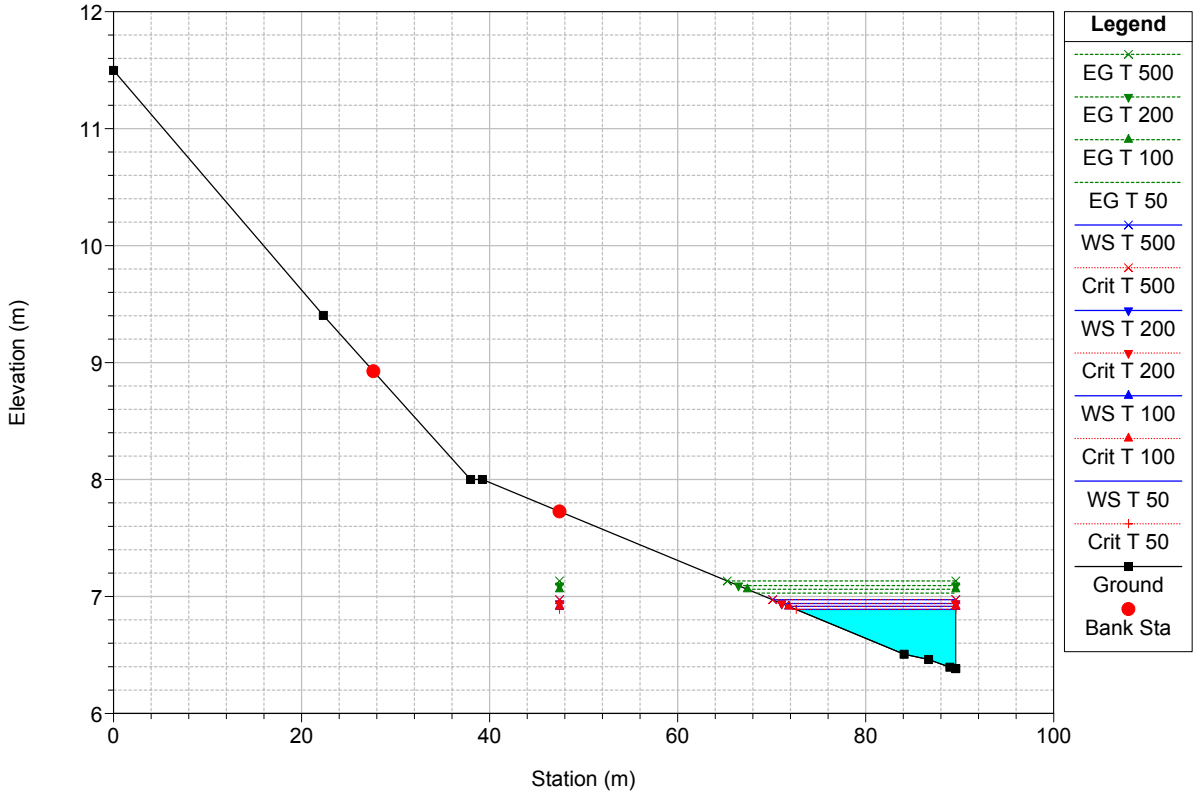
River = NDMn Reach = SX RS = 500



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

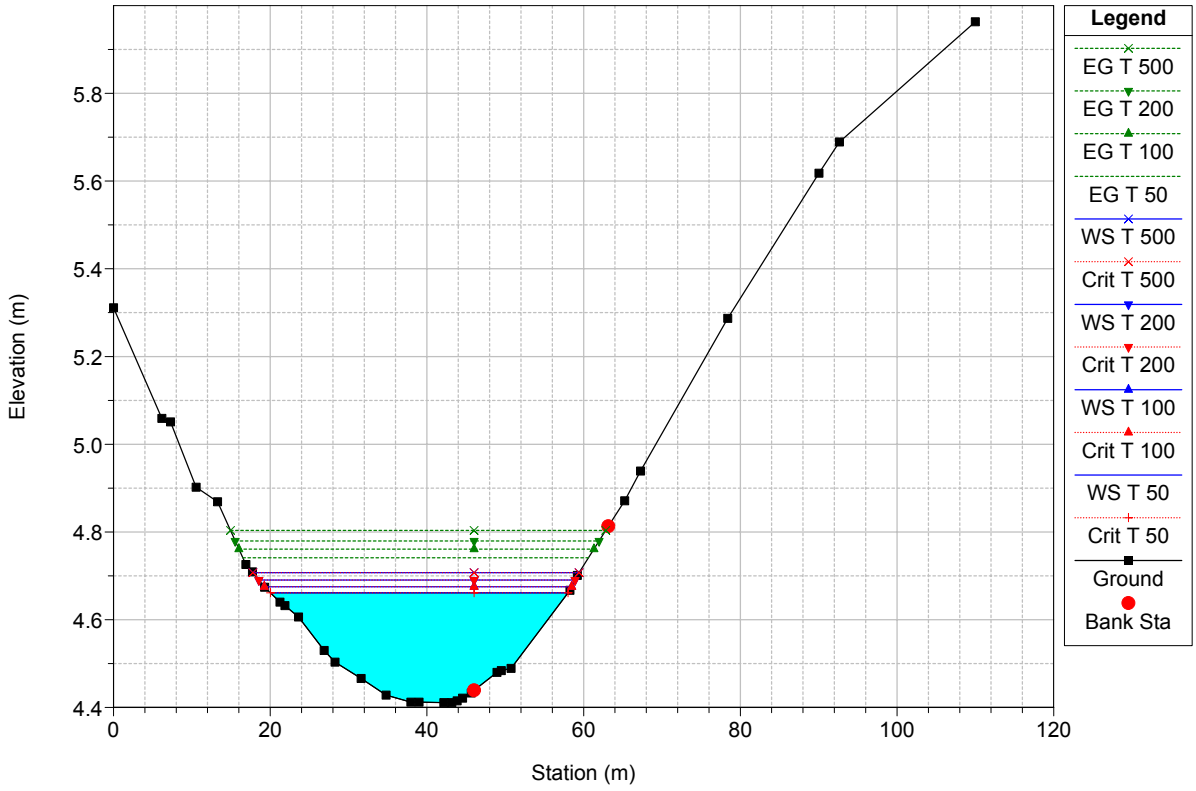
River = NDMn Reach = SX RS = 396



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

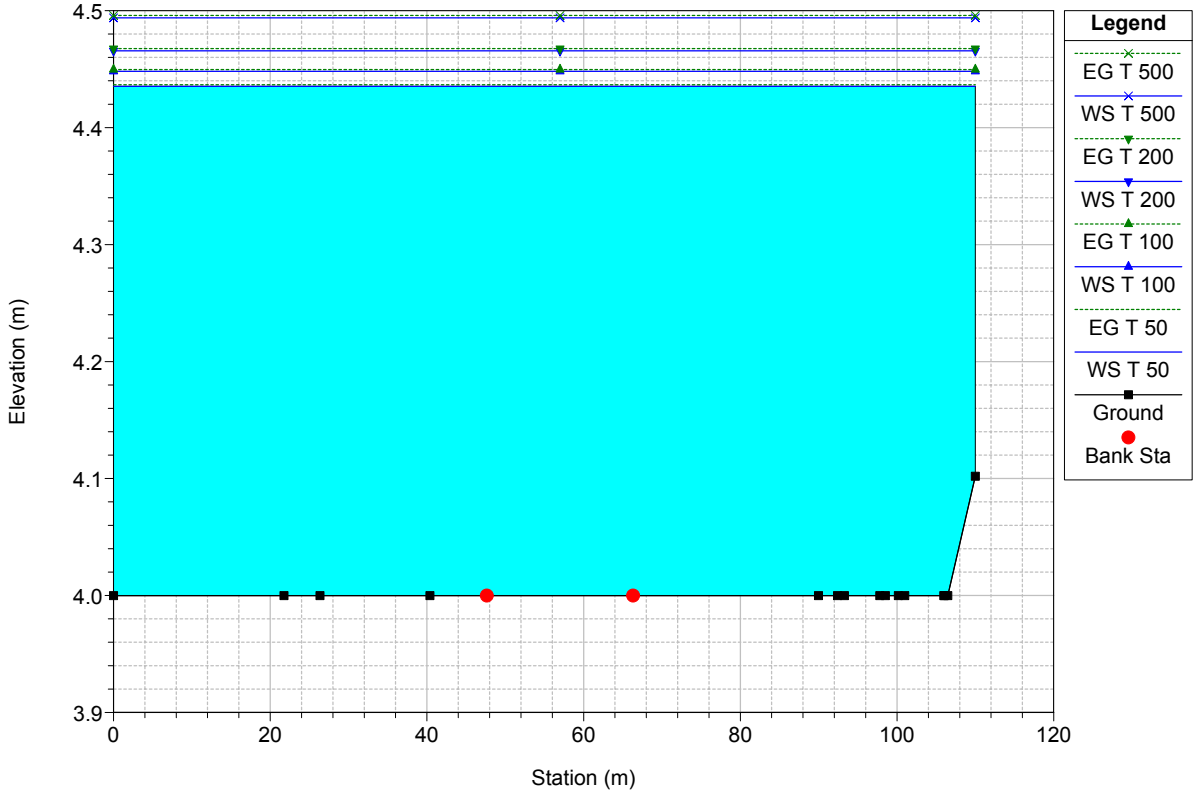
River = NDMn Reach = SX RS = 300



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

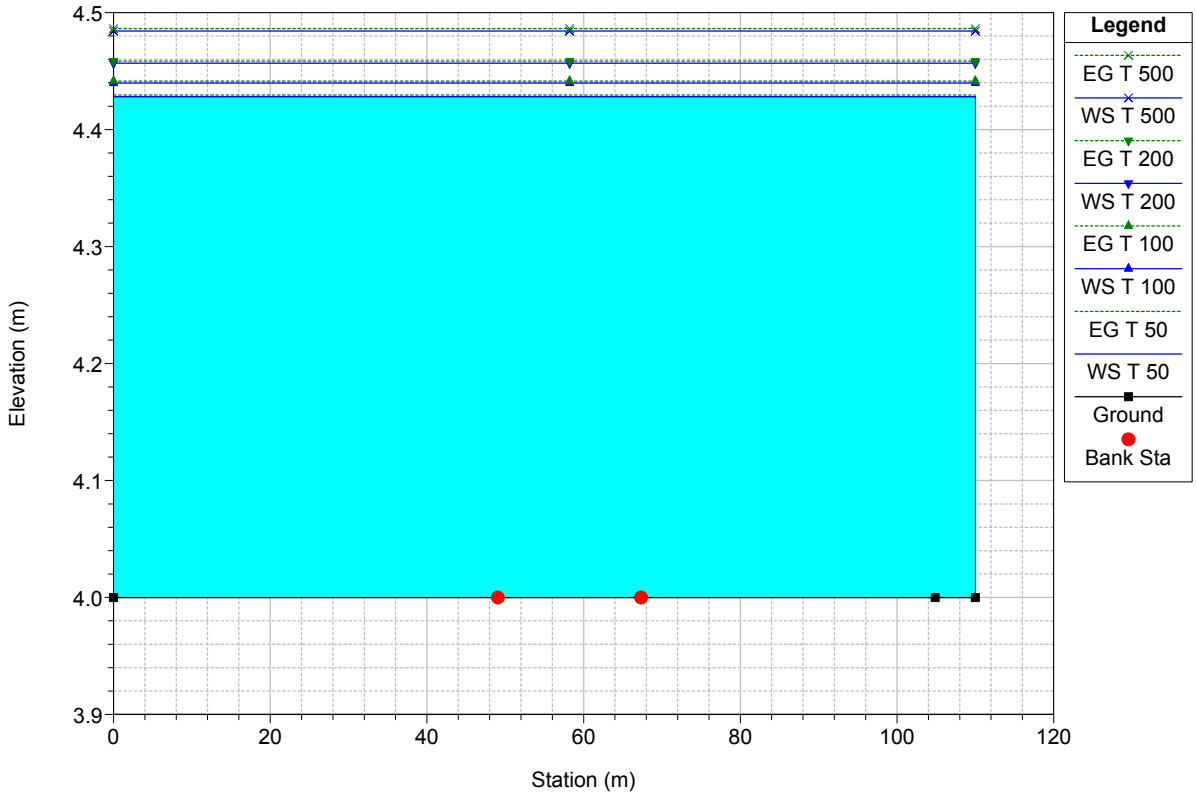
River = NDMn Reach = SX RS = 200



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

River = NDMn Reach = SX RS = 100

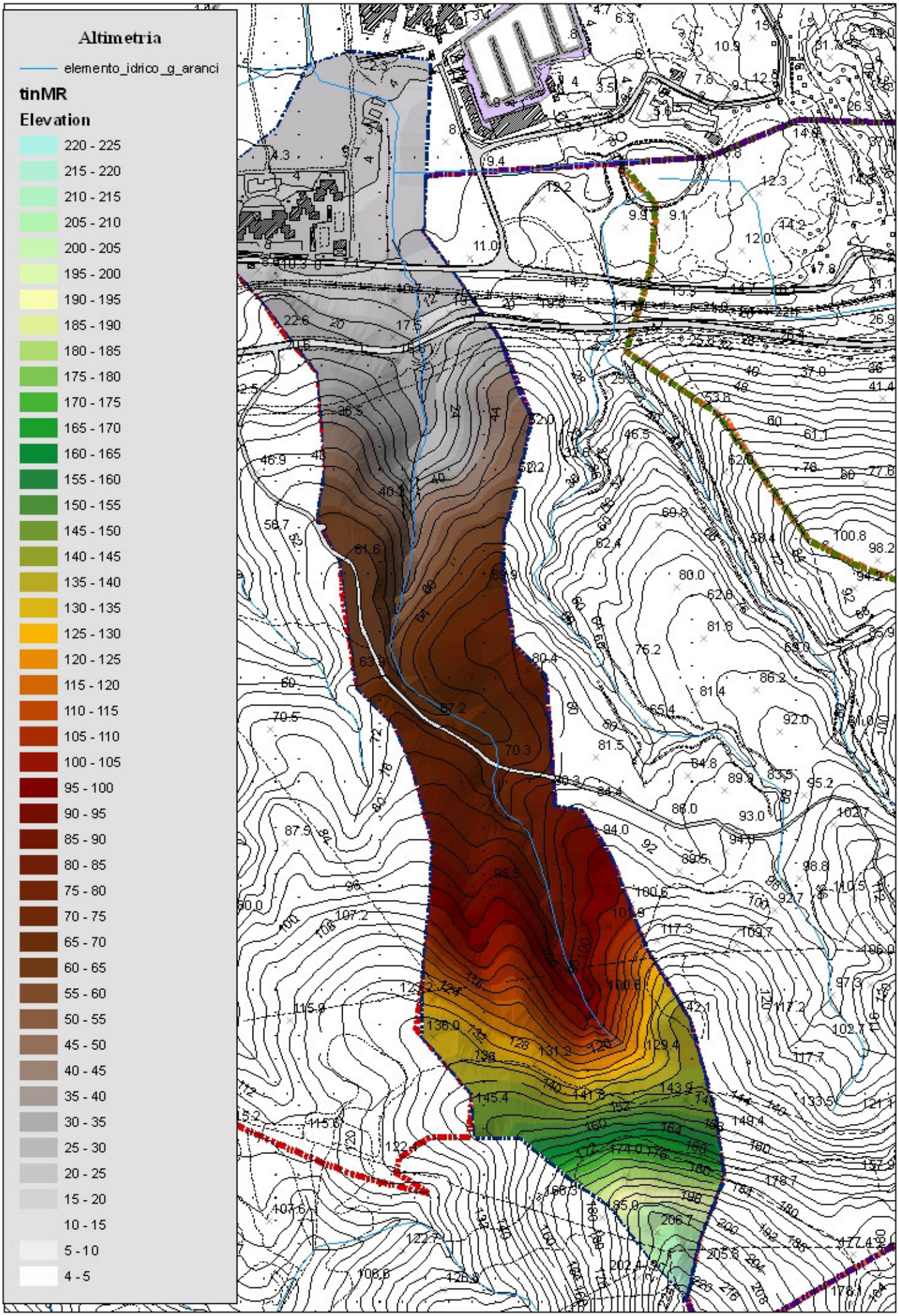


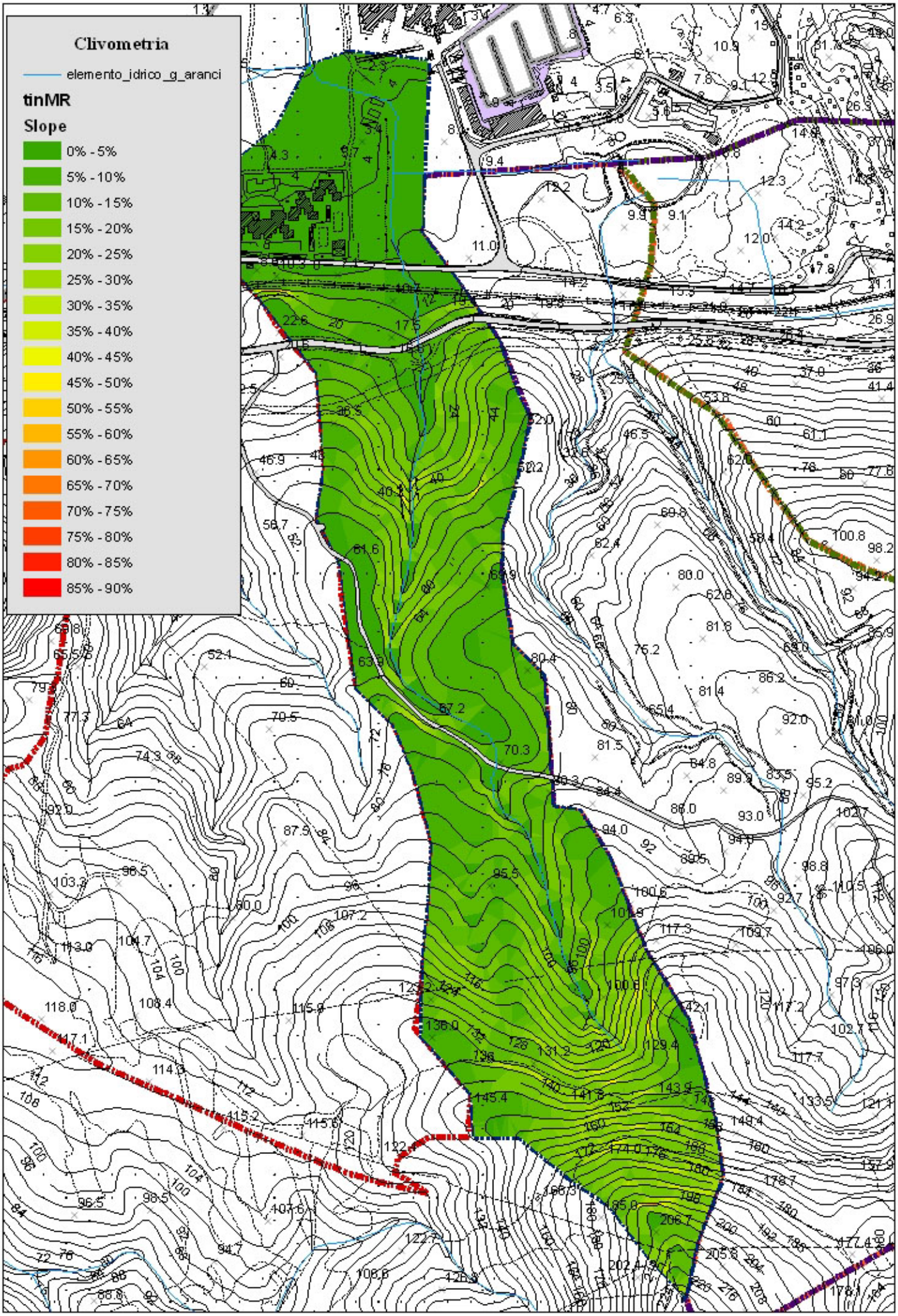
HEC-RAS Plan: Plan 01 River: NDMn Reach: SX

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)	
SX	1100	T 50	7.62	64.00	64.21	64.21	64.32	0.015011	1.43	5.37	26.17	1.00
SX	1100	T 100	8.59	64.00	64.23	64.23	64.34	0.014762	1.49	5.81	26.32	1.01
SX	1100	T 200	9.56	64.00	64.25	64.25	64.37	0.014295	1.54	6.27	26.48	1.00
SX	1100	T 500	10.89	64.00	64.27	64.27	64.40	0.013872	1.60	6.86	26.67	1.00
SX	1000	T 50	7.62	44.93	45.42	45.42	45.58	0.013045	1.78	4.29	13.41	1.00
SX	1000	T 100	8.59	44.93	45.45	45.45	45.62	0.012845	1.84	4.68	13.71	1.00
SX	1000	T 200	9.56	44.93	45.48	45.48	45.66	0.012642	1.89	5.05	14.00	1.01
SX	1000	T 500	10.89	44.93	45.51	45.51	45.71	0.012420	1.96	5.55	14.38	1.01
SX	900	T 50	7.62	36.00	36.36	36.36	36.52	0.013046	1.77	4.30	13.39	1.00
SX	900	T 100	8.59	36.00	36.38	36.38	36.56	0.012735	1.84	4.68	13.60	1.00
SX	900	T 200	9.56	36.00	36.41	36.41	36.59	0.012637	1.90	5.03	13.79	1.00
SX	900	T 500	10.89	36.00	36.45	36.45	36.64	0.012189	1.96	5.54	14.07	1.00
SX	800	T 50	7.62	28.00	28.19	28.19	28.29	0.015371	1.36	5.60	29.60	1.00
SX	800	T 100	8.59	28.00	28.21	28.21	28.31	0.015256	1.42	6.04	29.67	1.01
SX	800	T 200	9.56	28.00	28.22	28.22	28.33	0.014679	1.47	6.52	29.76	1.00
SX	800	T 500	10.89	28.00	28.24	28.24	28.36	0.014317	1.53	7.12	29.86	1.00
SX	700	T 50	7.62	20.00	20.97	20.81	21.09	0.005005	1.54	4.93	9.07	0.67
SX	700	T 100	8.59	20.00	21.01	20.85	21.15	0.005246	1.62	5.29	9.34	0.69
SX	700	T 200	9.56	20.00	21.04	20.89	21.19	0.005614	1.71	5.58	9.56	0.72
SX	700	T 500	10.89	20.00	21.08	20.95	21.25	0.006033	1.82	5.98	9.84	0.75
SX	600	T 50	7.62	20.00	20.19	20.19	20.28	0.015257	1.37	5.67	30.58	1.00
SX	600	T 100	8.59	20.00	20.21	20.21	20.31	0.015090	1.43	6.12	30.75	1.01
SX	600	T 200	9.56	20.00	20.22	20.22	20.33	0.014596	1.48	6.61	30.93	1.00
SX	600	T 500	10.89	20.00	20.24	20.24	20.36	0.014224	1.55	7.22	31.25	1.00
SX	500	T 50	7.62	14.21	14.69	14.69	14.80	0.011329	1.53	5.42	24.94	0.92
SX	500	T 100	8.59	14.21	14.71	14.71	14.82	0.010936	1.57	5.99	25.63	0.91
SX	500	T 200	9.56	14.21	14.73	14.73	14.85	0.010677	1.61	6.52	26.27	0.91
SX	500	T 500	10.89	14.21	14.75	14.75	14.88	0.011295	1.70	7.01	26.86	0.94
SX	396	T 50	7.62	7.73	6.89	6.89	7.03	0.014569		4.61	16.98	0.00
SX	396	T 100	8.59	7.73	6.92	6.92	7.06	0.014333		5.07	17.78	0.00
SX	396	T 200	9.56	7.73	6.94	6.94	7.09	0.014125		5.52	18.52	0.00
SX	396	T 500	10.89	7.73	6.97	6.97	7.13	0.013871		6.12	19.47	0.00
SX	300	T 50	7.62	4.44	4.66	4.66	4.74	0.015266	1.04	6.15	37.97	0.93
SX	300	T 100	8.59	4.44	4.68	4.68	4.76	0.015322	1.10	6.70	39.25	0.95
SX	300	T 200	9.56	4.44	4.69	4.69	4.78	0.014776	1.13	7.31	40.36	0.94
SX	300	T 500	10.89	4.44	4.71	4.71	4.80	0.014863	1.19	7.99	41.62	0.95
SX	200	T 50	7.62	4.00	4.44		4.44	0.000071	0.16	47.71	110.00	0.08
SX	200	T 100	8.59	4.00	4.45		4.45	0.000081	0.18	49.12	110.00	0.08
SX	200	T 200	9.56	4.00	4.47		4.47	0.000089	0.19	51.06	110.00	0.09
SX	200	T 500	10.89	4.00	4.49		4.50	0.000095	0.20	54.16	110.00	0.09
SX	100	T 50	7.62	4.00	4.43		4.43	0.000074	0.16	47.11	110.00	0.08
SX	100	T 100	8.59	4.00	4.44		4.44	0.000086	0.18	48.40	110.00	0.09
SX	100	T 200	9.56	4.00	4.46		4.46	0.000094	0.19	50.25	110.00	0.09
SX	100	T 500	10.89	4.00	4.48		4.49	0.000100	0.21	53.28	110.00	0.09

I BACINI DI MARINELLA

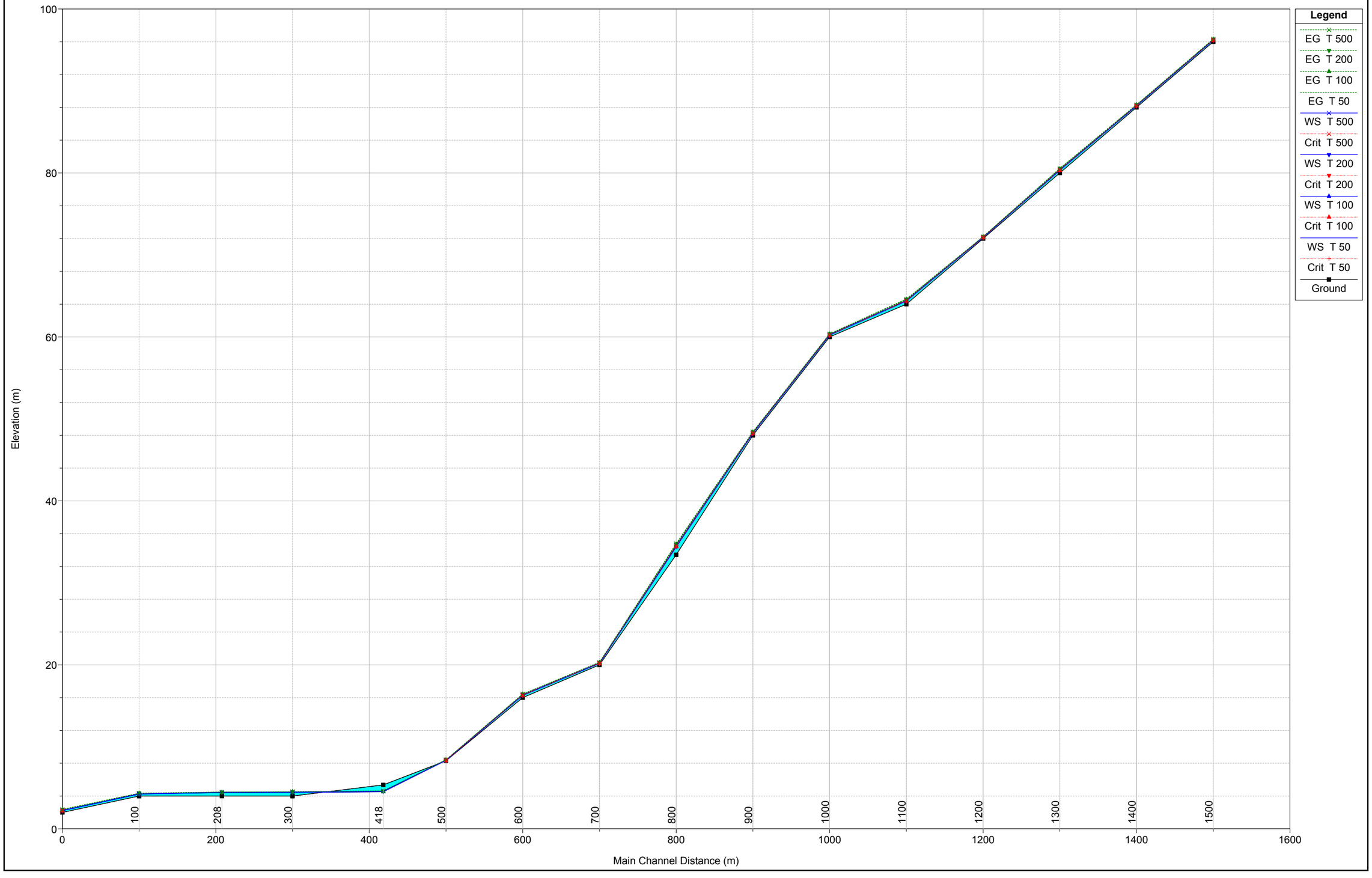
Bacino Marana


Altimetria
elemento_idrico_g_aranci
tinMR
Elevation
220 - 225
215 - 220
210 - 215
205 - 210
200 - 205
195 - 200
190 - 195
185 - 190
180 - 185
175 - 180
170 - 175
165 - 170
160 - 165
155 - 160
150 - 155
145 - 150
140 - 145
135 - 140
130 - 135
125 - 130
120 - 125
115 - 120
110 - 115
105 - 110
100 - 105
95 - 100
90 - 95
85 - 90
80 - 85
75 - 80
70 - 75
65 - 70
60 - 65
55 - 60
50 - 55
45 - 50
40 - 45
35 - 40
30 - 35
25 - 30
20 - 25
15 - 20
10 - 15
5 - 10
4 - 5


Clivometria
elemento_idrico_g_aranci
tinMR
Slope
0% - 5%
5% - 10%
10% - 15%
15% - 20%
20% - 25%
25% - 30%
30% - 35%
35% - 40%
40% - 45%
45% - 50%
50% - 55%
55% - 60%
60% - 65%
65% - 70%
70% - 75%
75% - 80%
80% - 85%
85% - 90%

ModelloMarinella Plan: Plan 01 06/09/2014

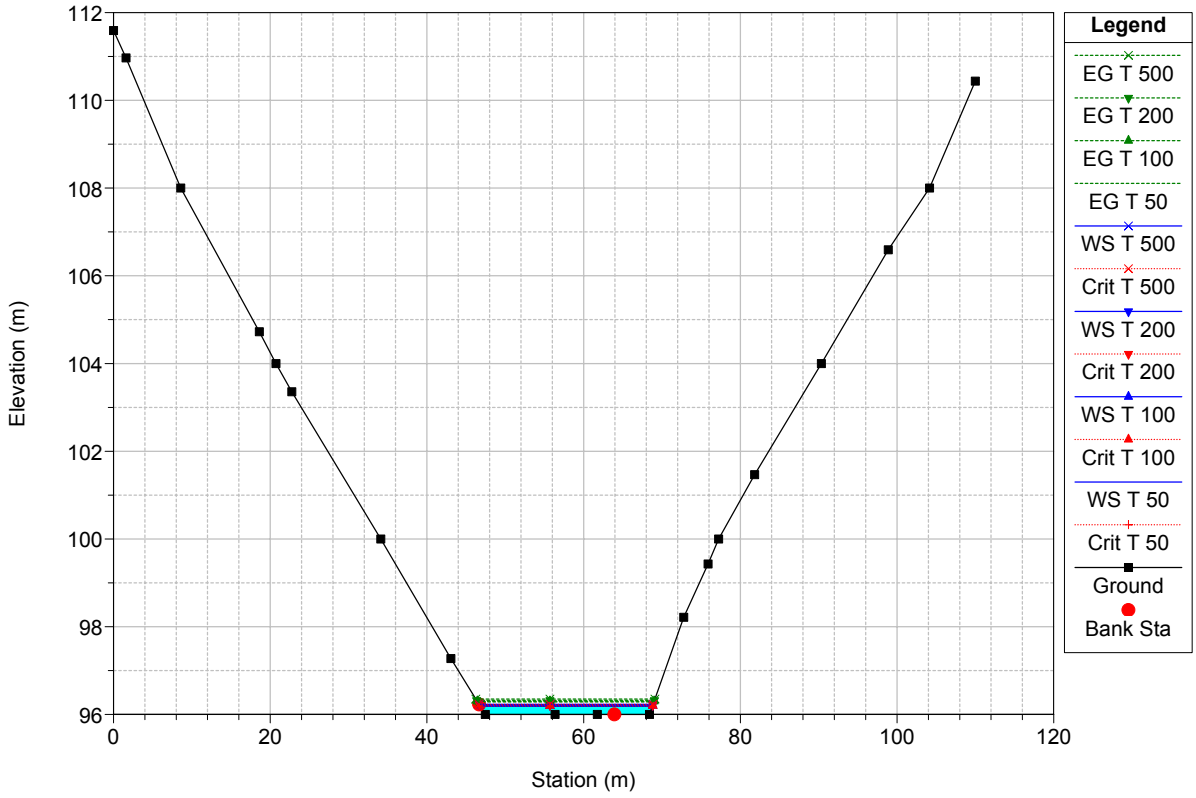
Flow: pORTATE



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

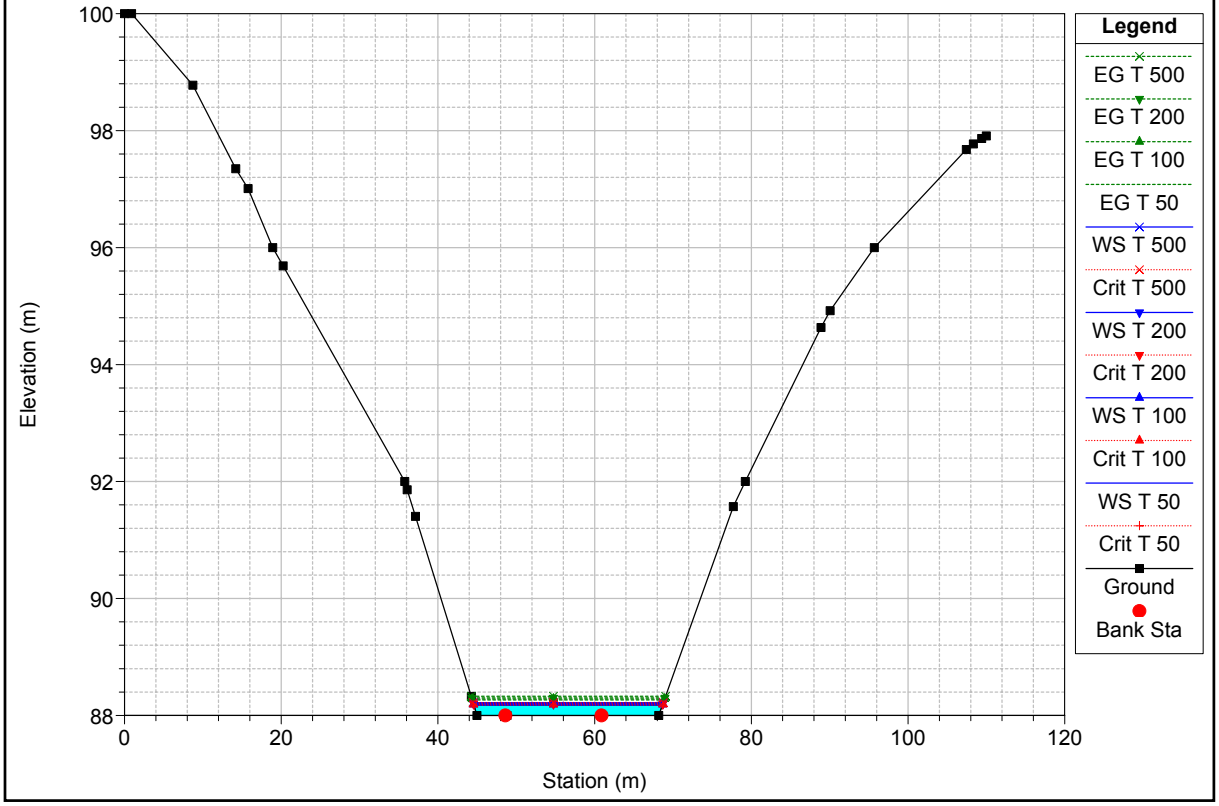
River = Marinella Reach = UP RS = 1500



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

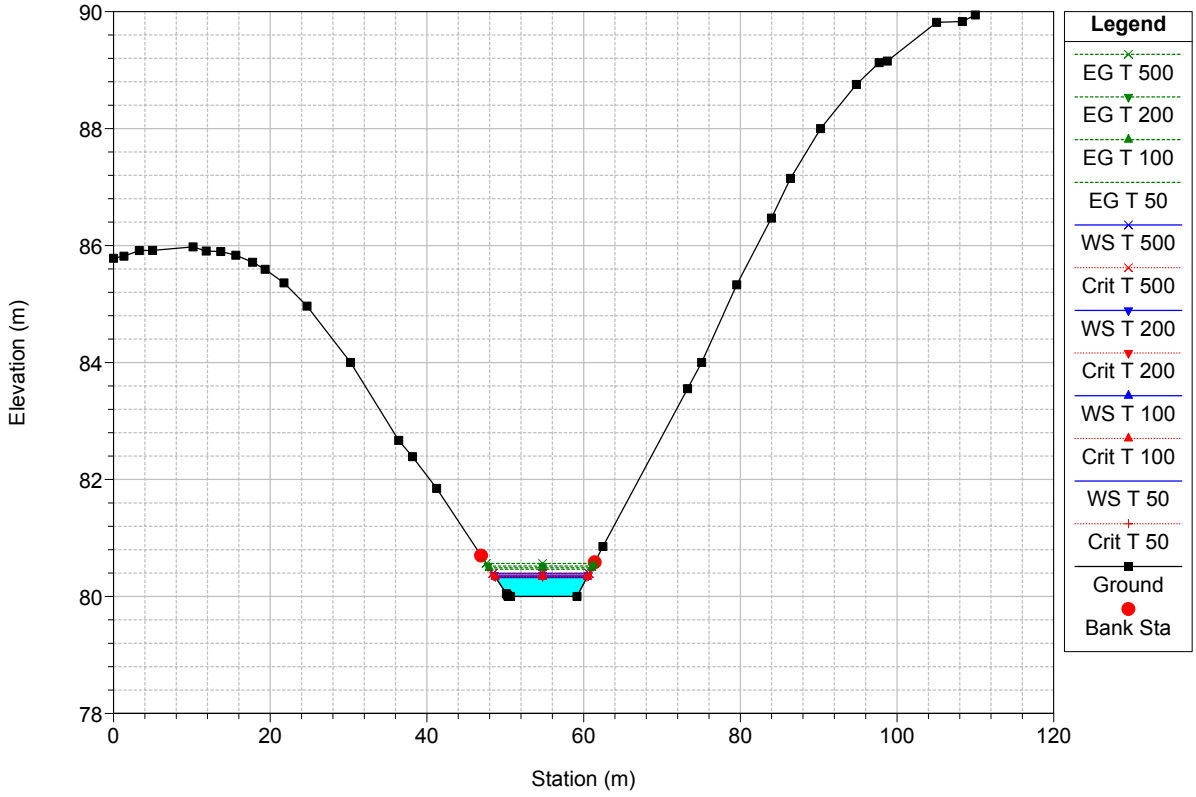
River = Marinella Reach = UP RS = 1400



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

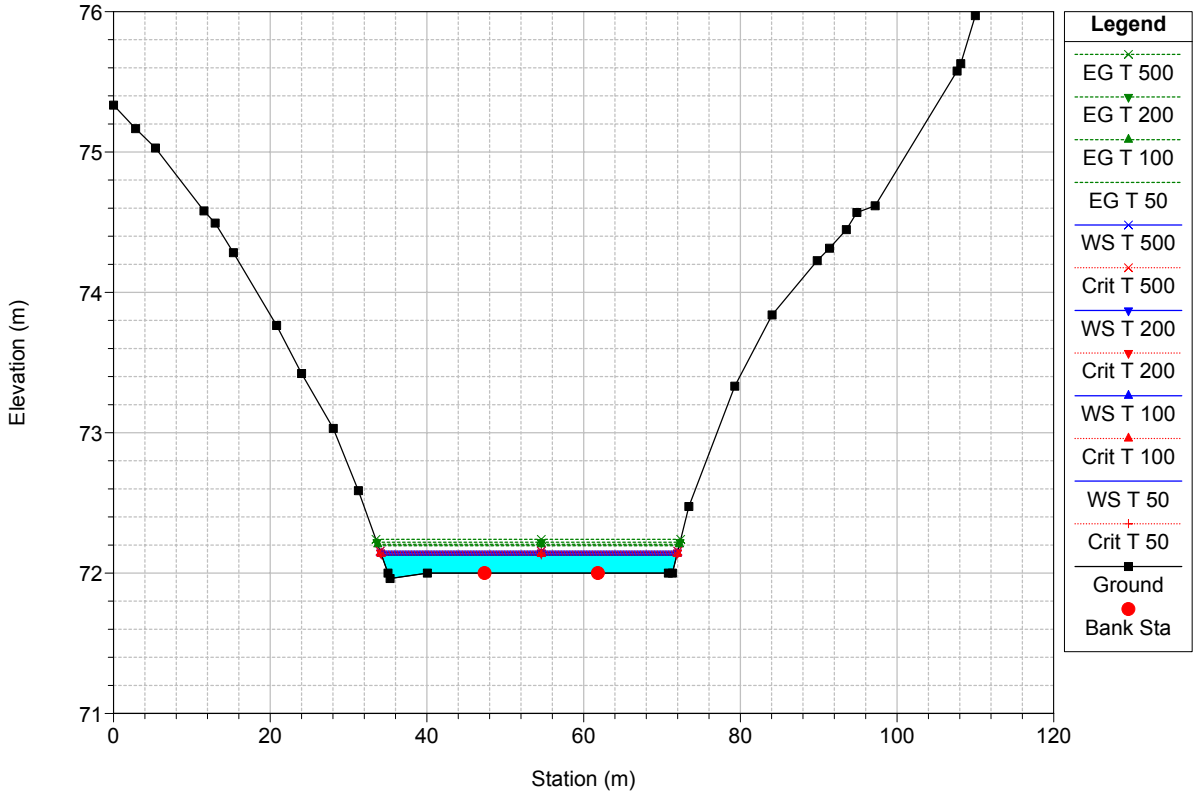
River = Marinella Reach = UP RS = 1300



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

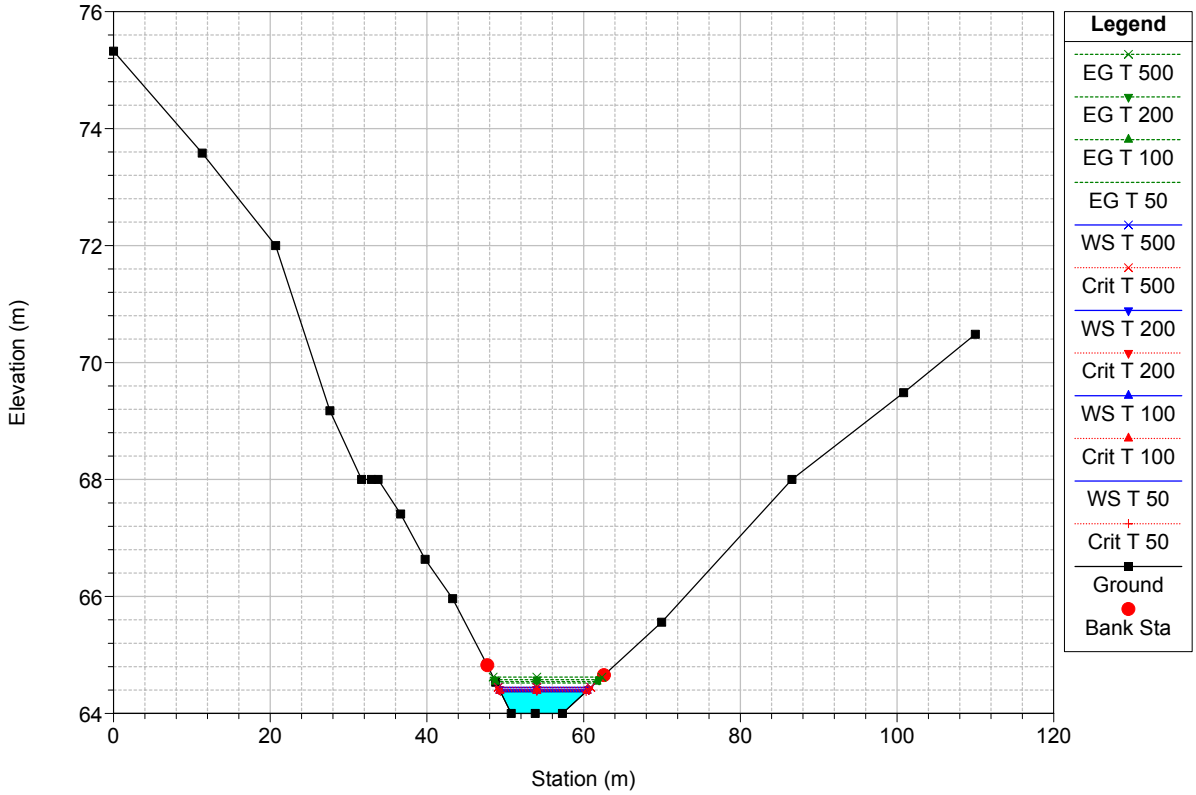
River = Marinella Reach = UP RS = 1200



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

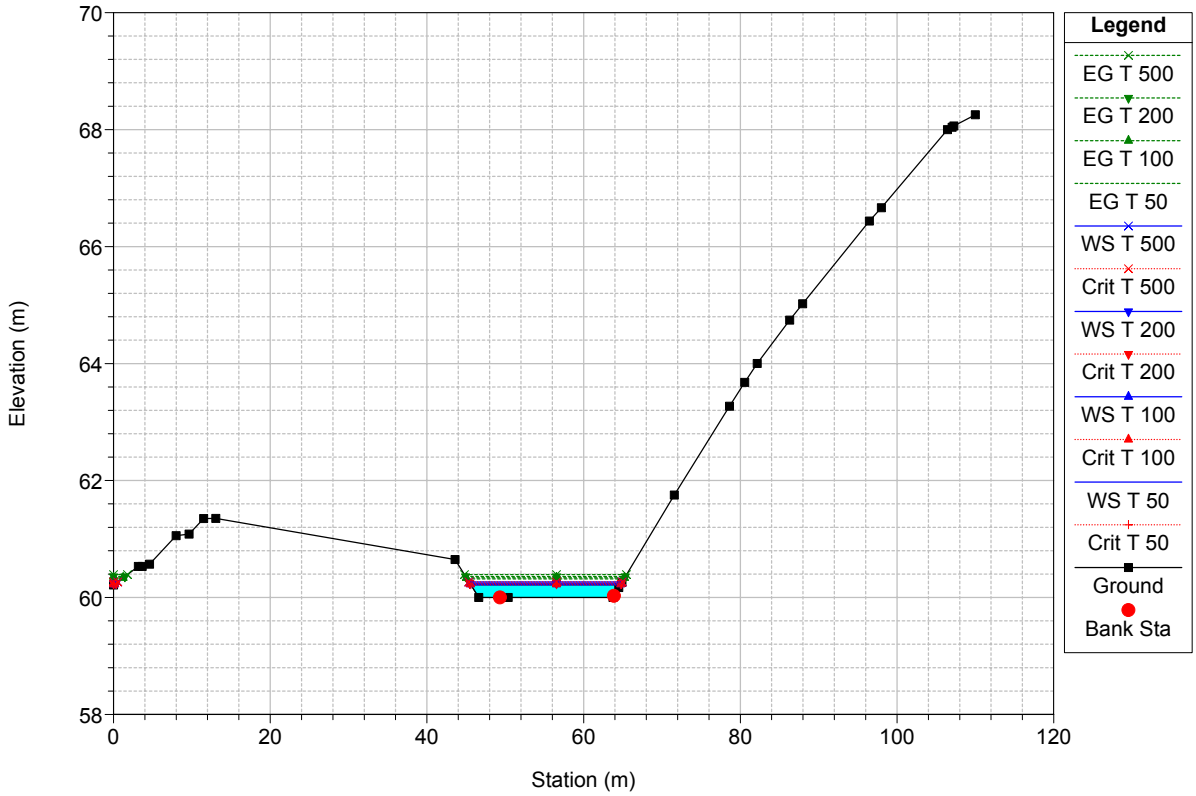
River = Marinella Reach = UP RS = 1100



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

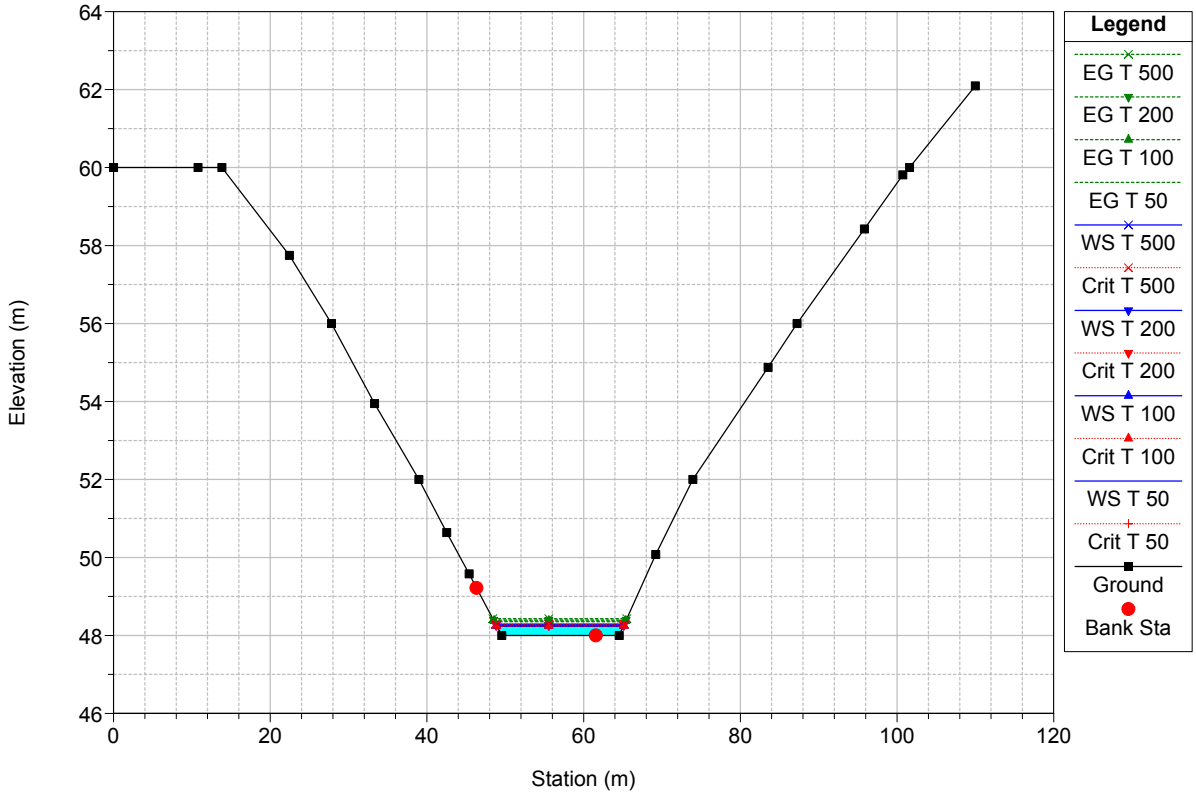
River = Marinella Reach = UP RS = 1000



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

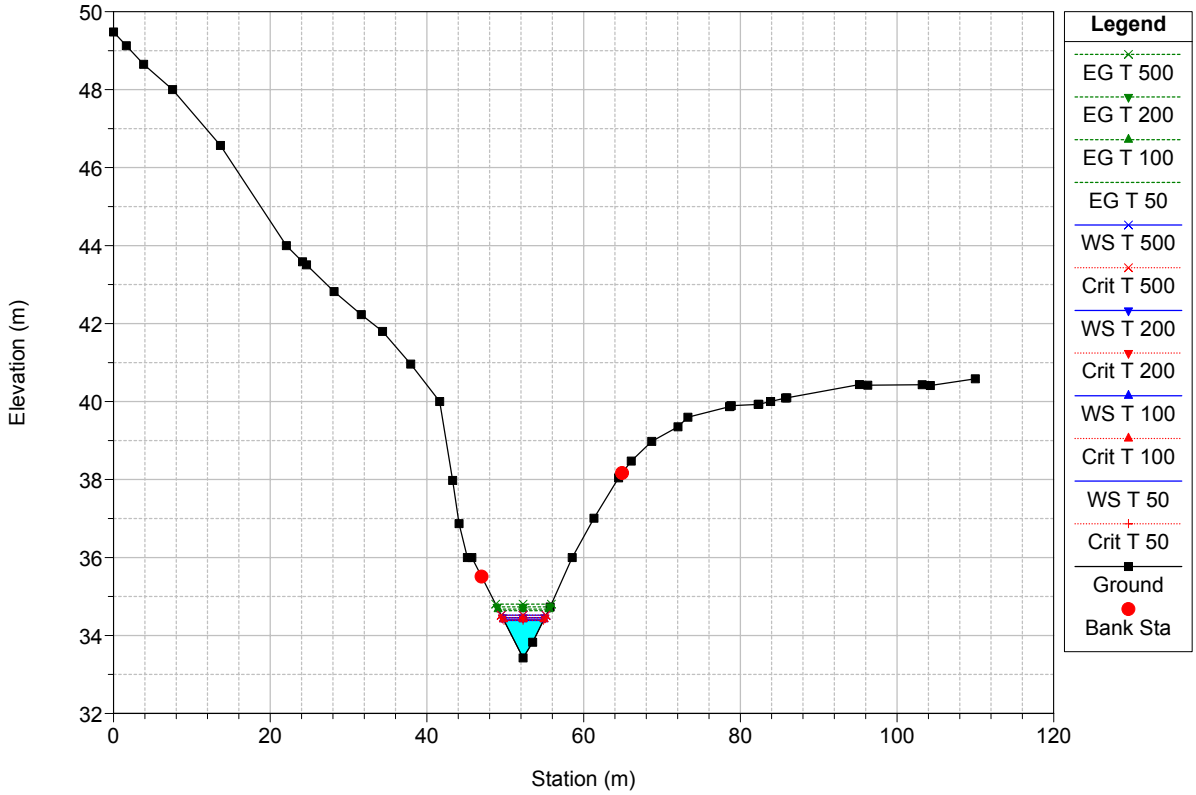
River = Marinella Reach = UP RS = 900



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

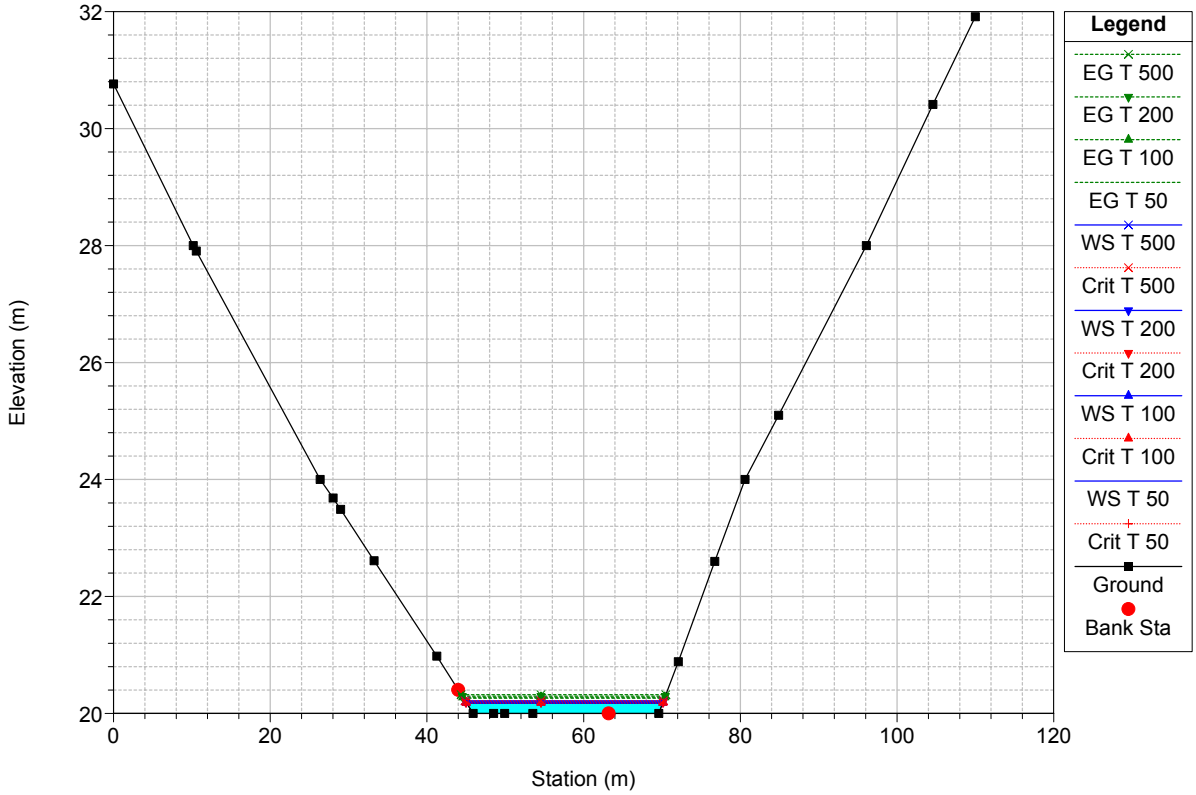
River = Marinella Reach = UP RS = 800



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

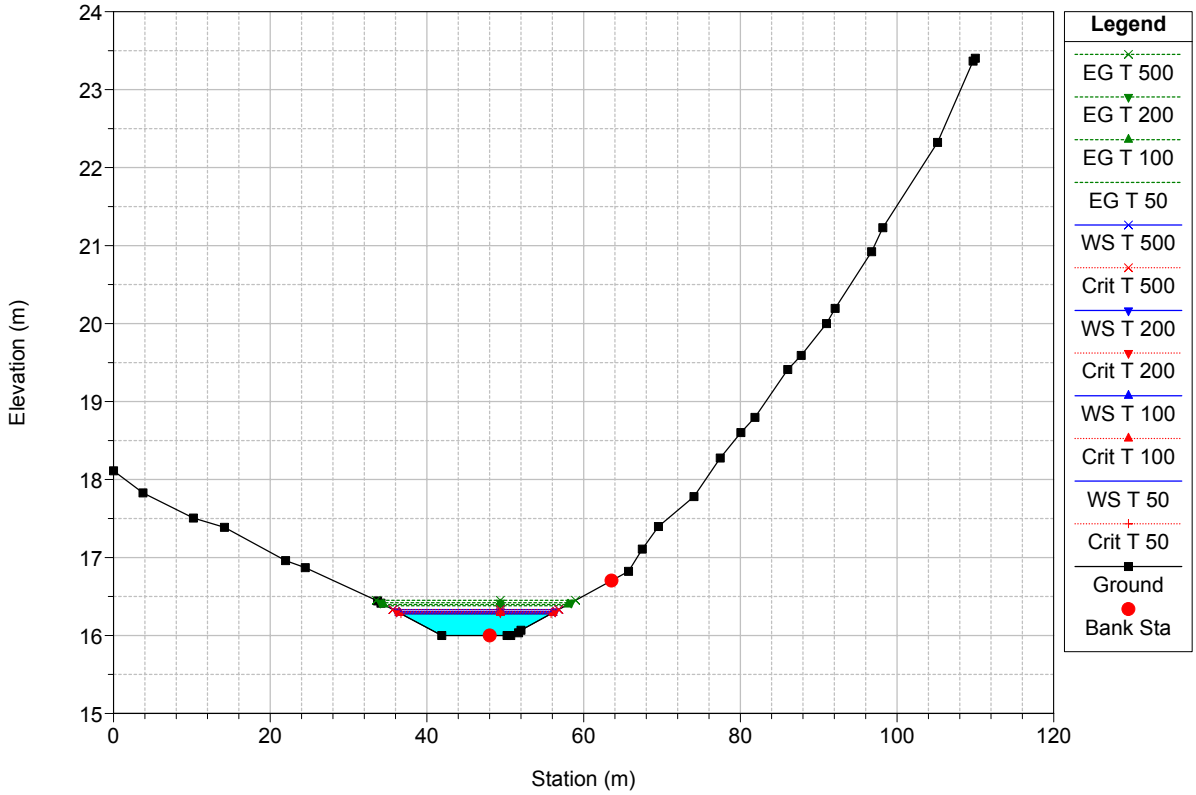
River = Marinella Reach = UP RS = 700



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

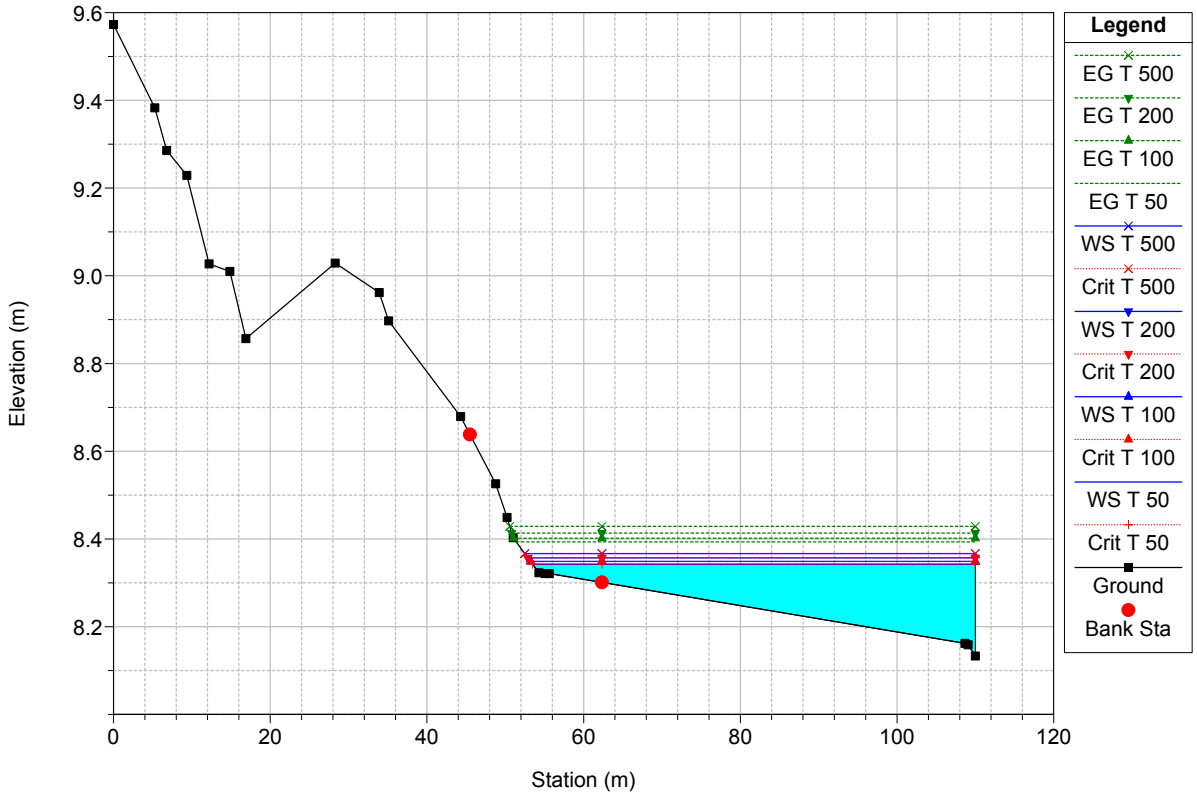
River = Marinella Reach = UP RS = 600



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

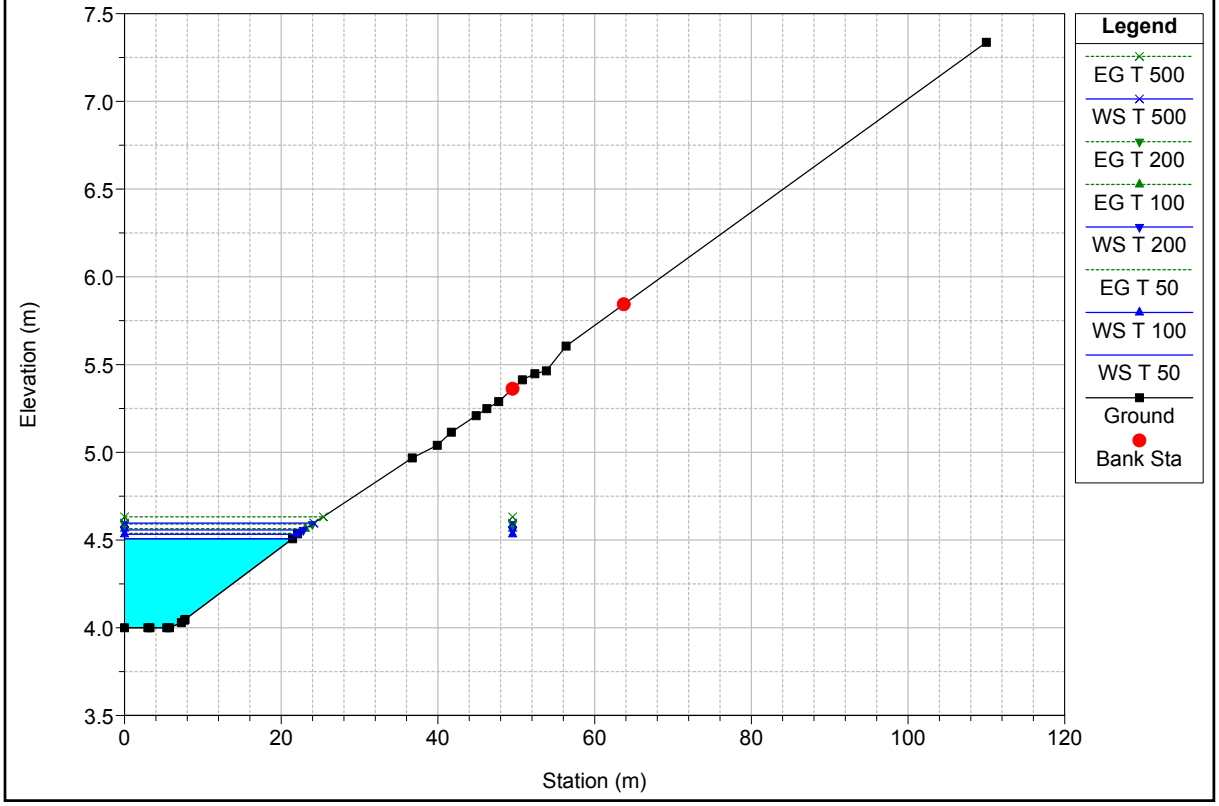
River = Marinella Reach = UP RS = 500



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

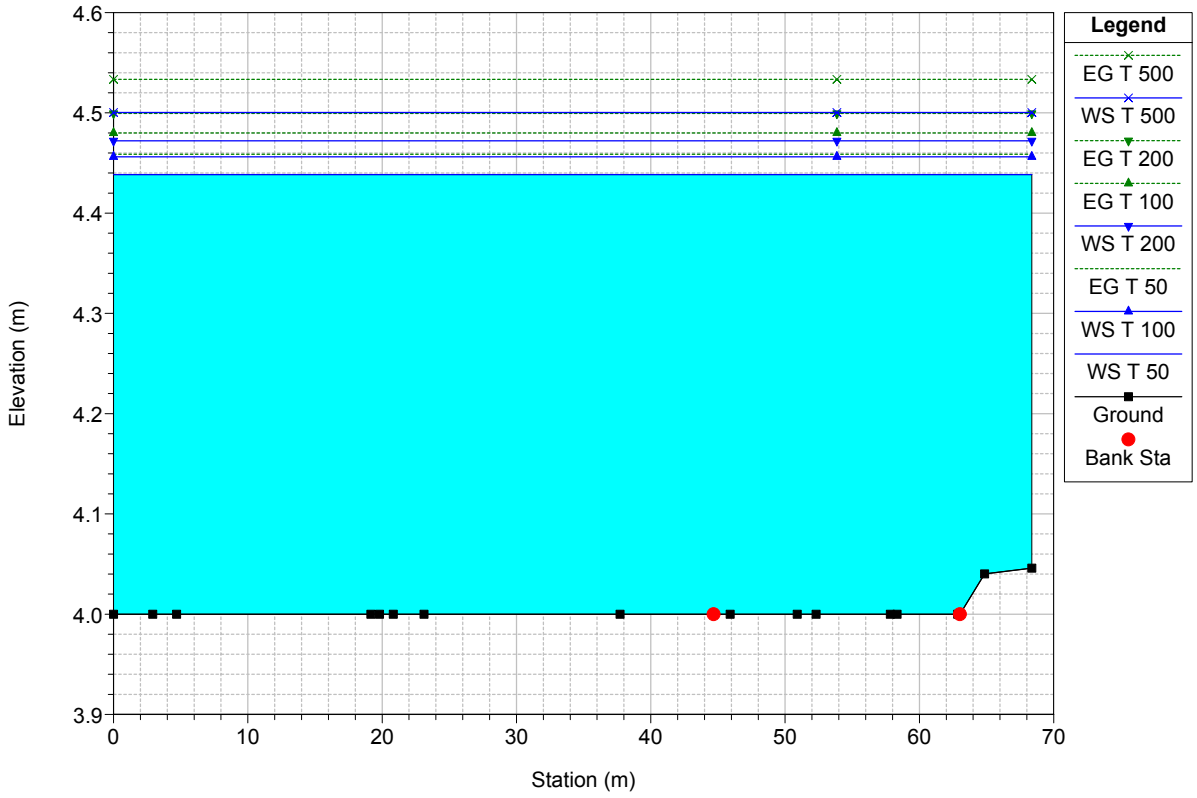
River = Marinella Reach = UP RS = 418



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

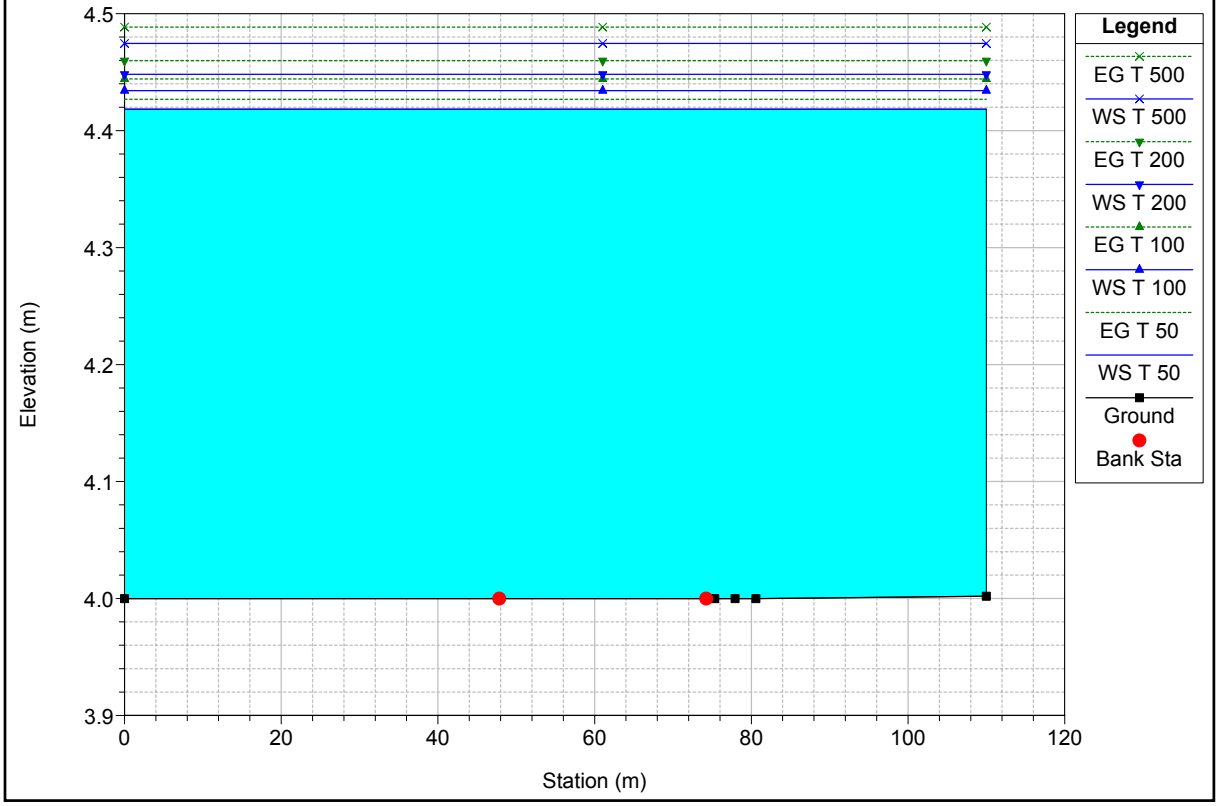
River = Marinella Reach = Md RS = 300

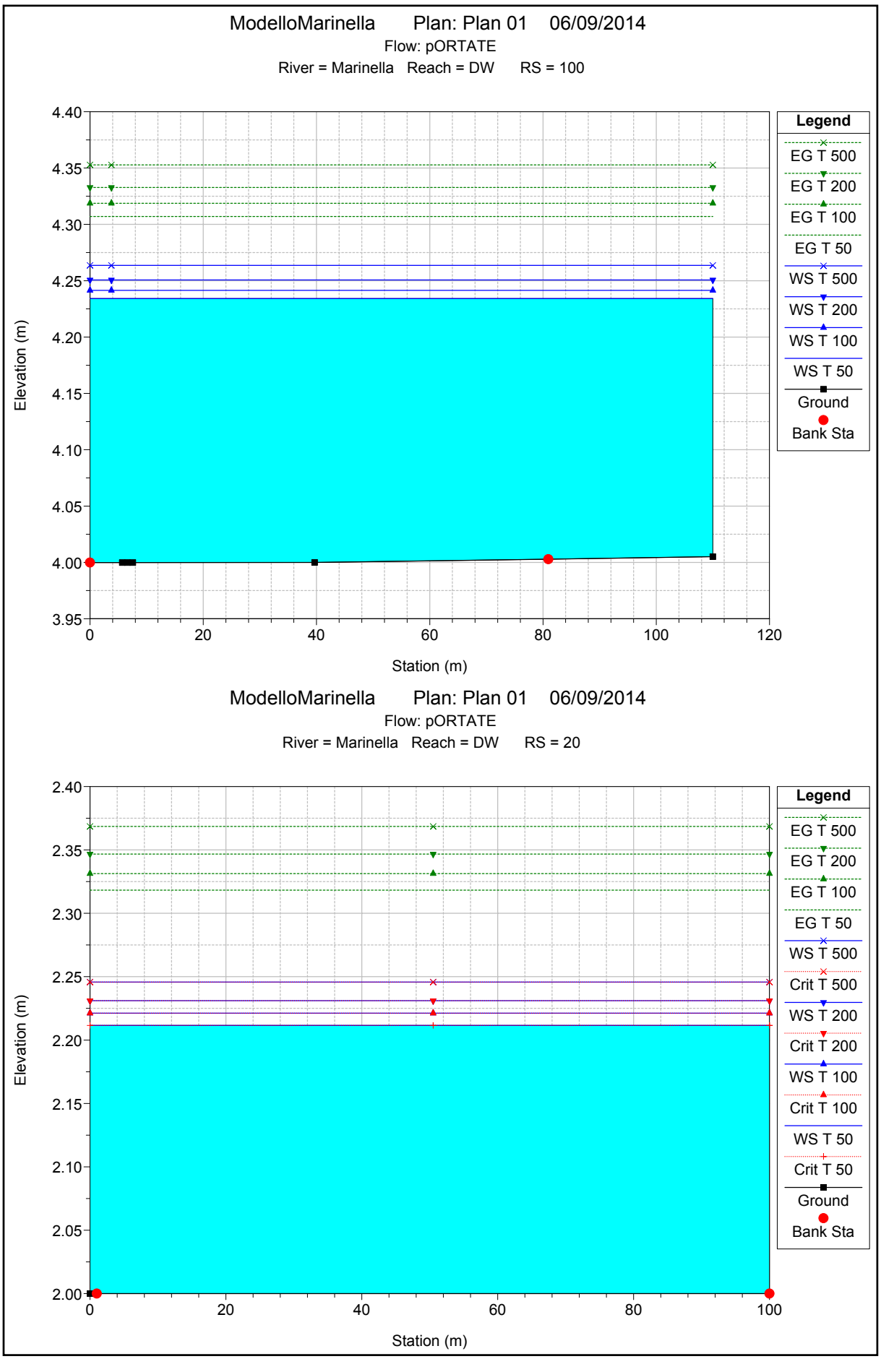


ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

River = Marinella Reach = Md RS = 208



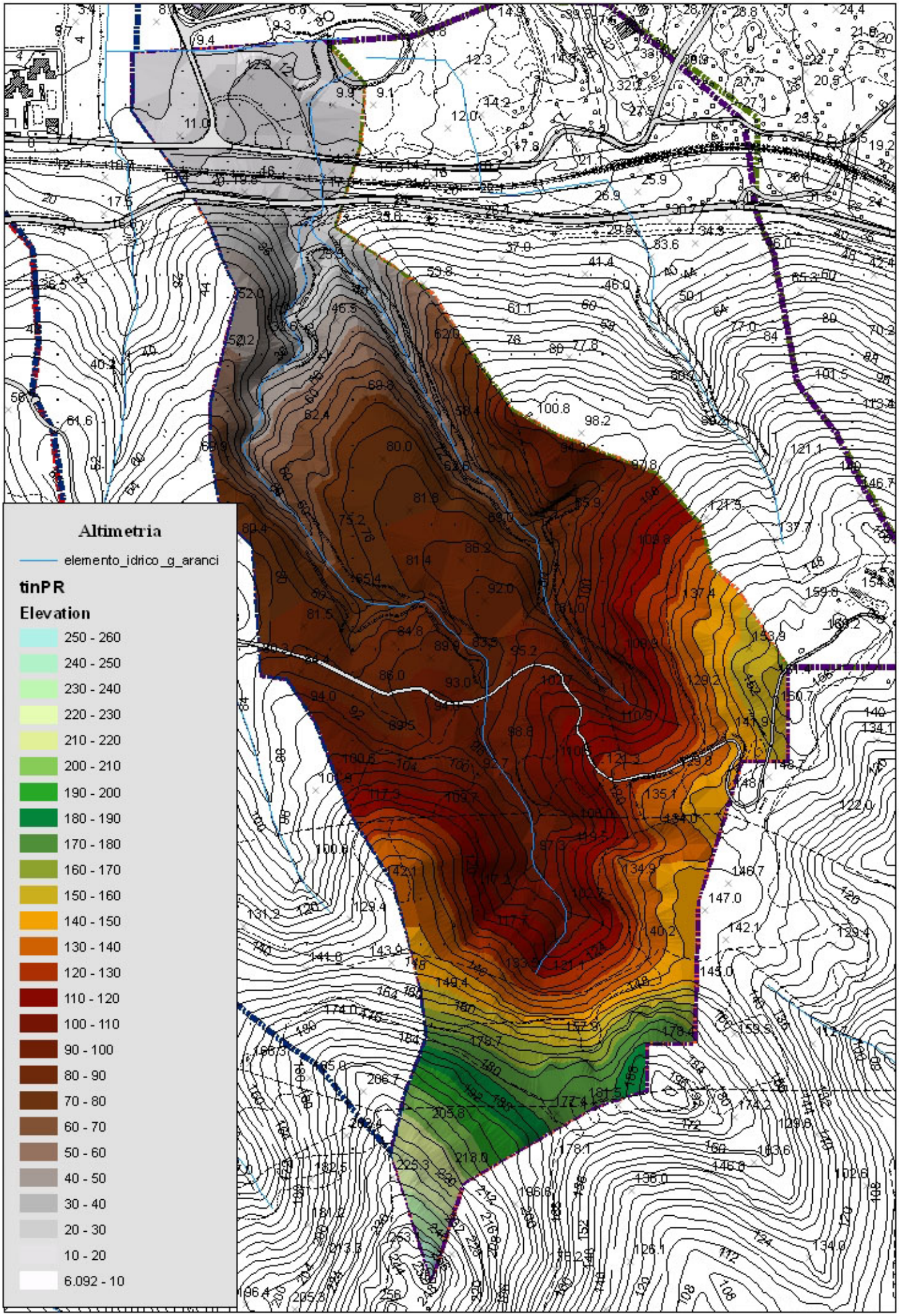

ModelloMarinella Plan: Plan 01 06/09/2014
Flow: pORTATE
River = Marinella Reach = DW RS = 100
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
WS T 200
WS T 100
WS T 50
Ground
Bank Sta
ModelloMarinella Plan: Plan 01 06/09/2014
Flow: pORTATE
River = Marinella Reach = DW RS = 20
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta

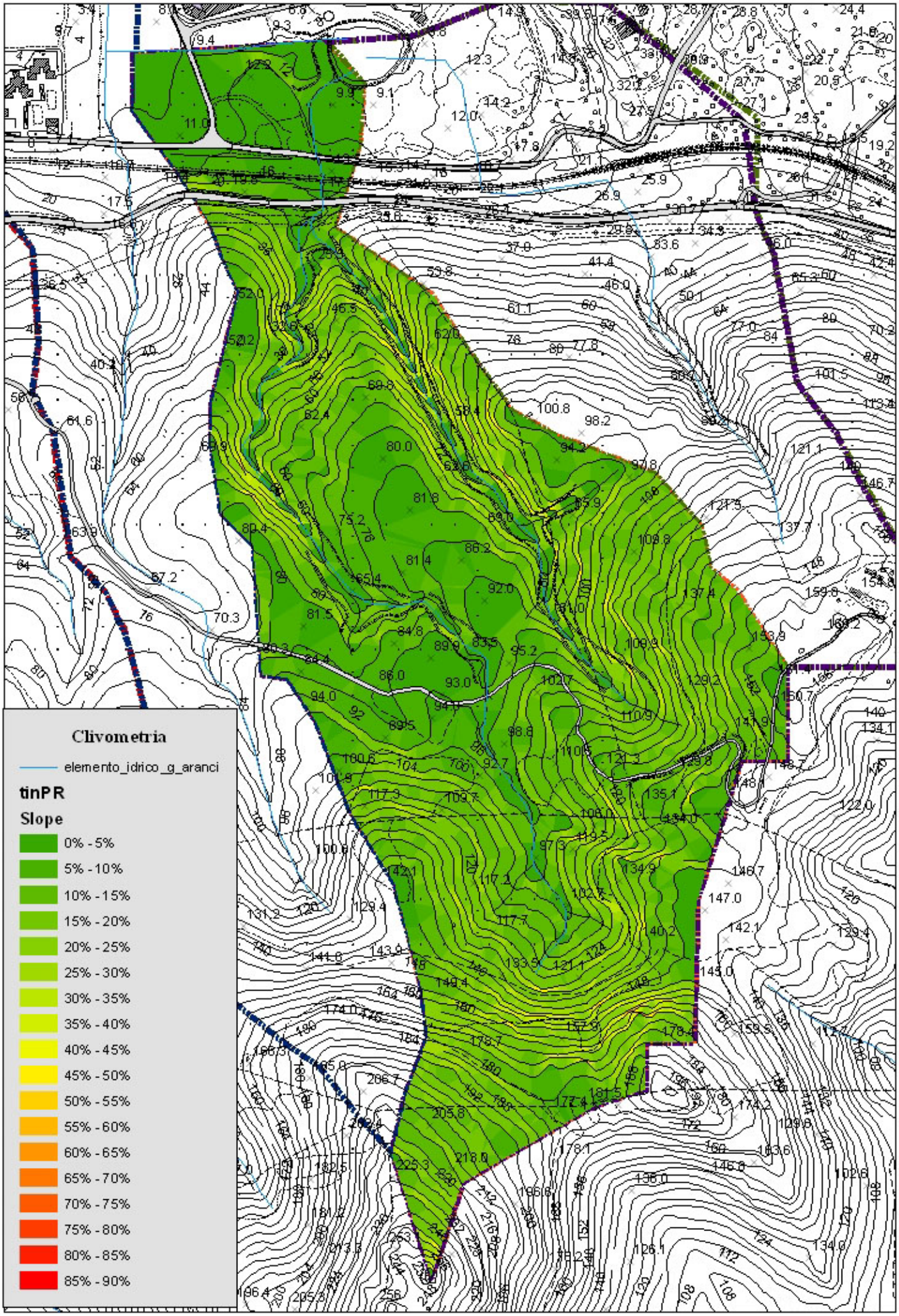
HEC-RAS Plan: Plan 01

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)	
UP	1500	T 50	5.53	96.00	96.19	96.19	96.28	0.015475	1.36	4.10	21.99	1.00
UP	1500	T 100	6.00	96.00	96.20	96.20	96.30	0.015199	1.39	4.33	22.04	1.00
UP	1500	T 200	6.66	96.00	96.21	96.21	96.32	0.015111	1.45	4.62	22.12	1.01
UP	1500	T 500	7.59	96.00	96.23	96.23	96.35	0.015548	1.54	4.97	22.20	1.03
UP	1400	T 50	5.53	88.00	88.18	88.18	88.27	0.015852	1.33	4.22	24.07	1.01
UP	1400	T 100	6.00	88.00	88.19	88.19	88.28	0.015646	1.37	4.45	24.11	1.01
UP	1400	T 200	6.66	88.00	88.20	88.20	88.30	0.015283	1.42	4.77	24.18	1.01
UP	1400	T 500	7.59	88.00	88.22	88.22	88.33	0.014947	1.48	5.21	24.27	1.01
UP	1300	T 50	5.53	80.00	80.32	80.32	80.47	0.013494	1.67	3.32	11.65	1.00
UP	1300	T 100	6.00	80.00	80.34	80.34	80.49	0.013509	1.72	3.50	11.79	1.01
UP	1300	T 200	6.66	80.00	80.36	80.36	80.52	0.013121	1.76	3.78	12.00	1.00
UP	1300	T 500	7.59	80.00	80.39	80.39	80.56	0.012971	1.83	4.14	12.26	1.01
UP	1200	T 50	5.53	72.00	72.13	72.13	72.19	0.017627	1.13	4.88	37.70	1.00
UP	1200	T 100	6.00	72.00	72.14	72.14	72.21	0.017343	1.16	5.16	37.78	1.01
UP	1200	T 200	6.66	72.00	72.15	72.15	72.22	0.016984	1.21	5.53	37.88	1.01
UP	1200	T 500	7.59	72.00	72.16	72.16	72.24	0.017962	1.29	5.89	37.98	1.05
UP	1100	T 50	5.53	64.00	64.37	64.37	64.52	0.013293	1.70	3.25	10.94	1.00
UP	1100	T 100	6.00	64.00	64.39	64.39	64.54	0.013335	1.75	3.43	11.13	1.01
UP	1100	T 200	6.66	64.00	64.41	64.41	64.58	0.012980	1.79	3.72	11.44	1.00
UP	1100	T 500	7.59	64.00	64.45	64.45	64.62	0.012881	1.86	4.09	11.81	1.01
UP	1000	T 50	5.53	60.00	60.22	60.22	60.32	0.014589	1.45	3.91	19.11	1.00
UP	1000	T 100	6.00	60.00	60.23	60.23	60.34	0.014359	1.49	4.14	19.33	1.00
UP	1000	T 200	6.66	60.00	60.24	60.24	60.36	0.013838	1.53	4.47	19.66	0.99
UP	1000	T 500	7.59	60.00	60.27	60.27	60.39	0.013386	1.60	4.91	20.08	0.99
UP	900	T 50	5.53	48.00	48.24	48.24	48.35	0.014609	1.51	3.69	16.14	1.01
UP	900	T 100	6.00	48.00	48.25	48.25	48.37	0.014262	1.55	3.91	16.21	1.00
UP	900	T 200	6.66	48.00	48.27	48.27	48.40	0.013940	1.60	4.20	16.30	1.00
UP	900	T 500	7.59	48.00	48.29	48.29	48.43	0.013552	1.67	4.59	16.42	1.00
UP	800	T 50	5.53	33.42	34.38	34.38	34.64	0.012593	2.23	2.48	5.03	1.01
UP	800	T 100	6.00	33.42	34.42	34.42	34.68	0.012462	2.27	2.65	5.19	1.01
UP	800	T 200	6.66	33.42	34.46	34.46	34.73	0.012247	2.31	2.88	5.41	1.01
UP	800	T 500	7.59	33.42	34.52	34.52	34.80	0.011904	2.37	3.21	5.71	1.01
UP	700	T 50	5.53	20.00	20.18	20.18	20.26	0.015898	1.30	4.28	25.03	1.00
UP	700	T 100	6.00	20.00	20.18	20.18	20.28	0.016171	1.35	4.47	25.09	1.02
UP	700	T 200	6.66	20.00	20.20	20.20	20.29	0.015271	1.38	4.85	25.20	1.00
UP	700	T 500	7.59	20.00	20.22	20.22	20.32	0.014862	1.44	5.31	25.34	1.00
UP	600	T 50	5.53	16.00	16.28	16.28	16.38	0.014847	1.34	3.92	19.17	0.98
UP	600	T 100	6.00	16.00	16.29	16.29	16.40	0.014605	1.36	4.18	19.66	0.98
UP	600	T 200	6.66	16.00	16.31	16.31	16.42	0.014663	1.41	4.49	20.25	0.99
UP	600	T 500	7.59	16.00	16.33	16.33	16.45	0.014081	1.44	5.01	21.16	0.98
UP	500	T 50	5.53	8.30	8.34	8.34	8.39	0.016820	0.40	5.63	56.50	0.76
UP	500	T 100	6.00	8.30	8.35	8.35	8.40	0.016280	0.44	6.00	56.77	0.77
UP	500	T 200	6.66	8.30	8.36	8.36	8.41	0.015860	0.49	6.47	57.11	0.78
UP	500	T 500	7.59	8.30	8.37	8.37	8.43	0.015874	0.56	7.04	57.51	0.81
UP	418	T 50	5.53	5.36	4.51		4.54	0.002553		7.02	21.43	0.00
UP	418	T 100	6.00	5.36	4.53		4.56	0.002410		7.59	22.03	0.00
UP	418	T 200	6.66	5.36	4.56		4.59	0.002474		8.13	22.82	0.00
UP	418	T 500	7.59	5.36	4.60		4.63	0.002417		9.06	24.16	0.00
Md	300	T 50	18.81	4.00	4.44		4.46	0.000489	0.64	29.80	68.37	0.31
Md	300	T 100	21.16	4.00	4.46		4.48	0.000543	0.69	31.01	68.37	0.33
Md	300	T 200	23.49	4.00	4.47		4.50	0.000596	0.74	32.10	68.37	0.34
Md	300	T 500	27.36	4.00	4.50		4.53	0.000666	0.81	34.03	68.37	0.37
Md	208	T 50	18.81	4.00	4.42		4.43	0.000216	0.41	46.00	110.00	0.20
Md	208	T 100	21.16	4.00	4.43		4.44	0.000242	0.45	47.74	110.00	0.22
Md	208	T 200	23.49	4.00	4.45		4.46	0.000268	0.48	49.28	110.00	0.23
Md	208	T 500	27.36	4.00	4.47		4.49	0.000301	0.53	52.18	110.00	0.24
DW	100	T 50	30.60	4.00	4.23		4.31	0.016093	1.20	25.58	110.00	0.79
DW	100	T 100	32.50	4.00	4.24		4.32	0.016369	1.24	26.39	110.00	0.80
DW	100	T 200	34.79	4.00	4.25		4.33	0.016538	1.27	27.41	110.00	0.81
DW	100	T 500	38.13	4.00	4.26		4.35	0.016791	1.33	28.83	110.00	0.83
DW	20	T 50	30.60	2.00	2.21	2.21	2.32	0.026727	1.45	21.15	100.00	1.01
DW	20	T 100	32.50	2.00	2.22	2.22	2.33	0.025999	1.47	22.11	100.00	1.00
DW	20	T 200	34.79	2.00	2.23	2.23	2.35	0.025759	1.51	23.10	100.00	1.00
DW	20	T 500	38.13	2.00	2.25	2.25	2.37	0.025200	1.55	24.57	100.00	1.00

I BACINI DI MARINELLA

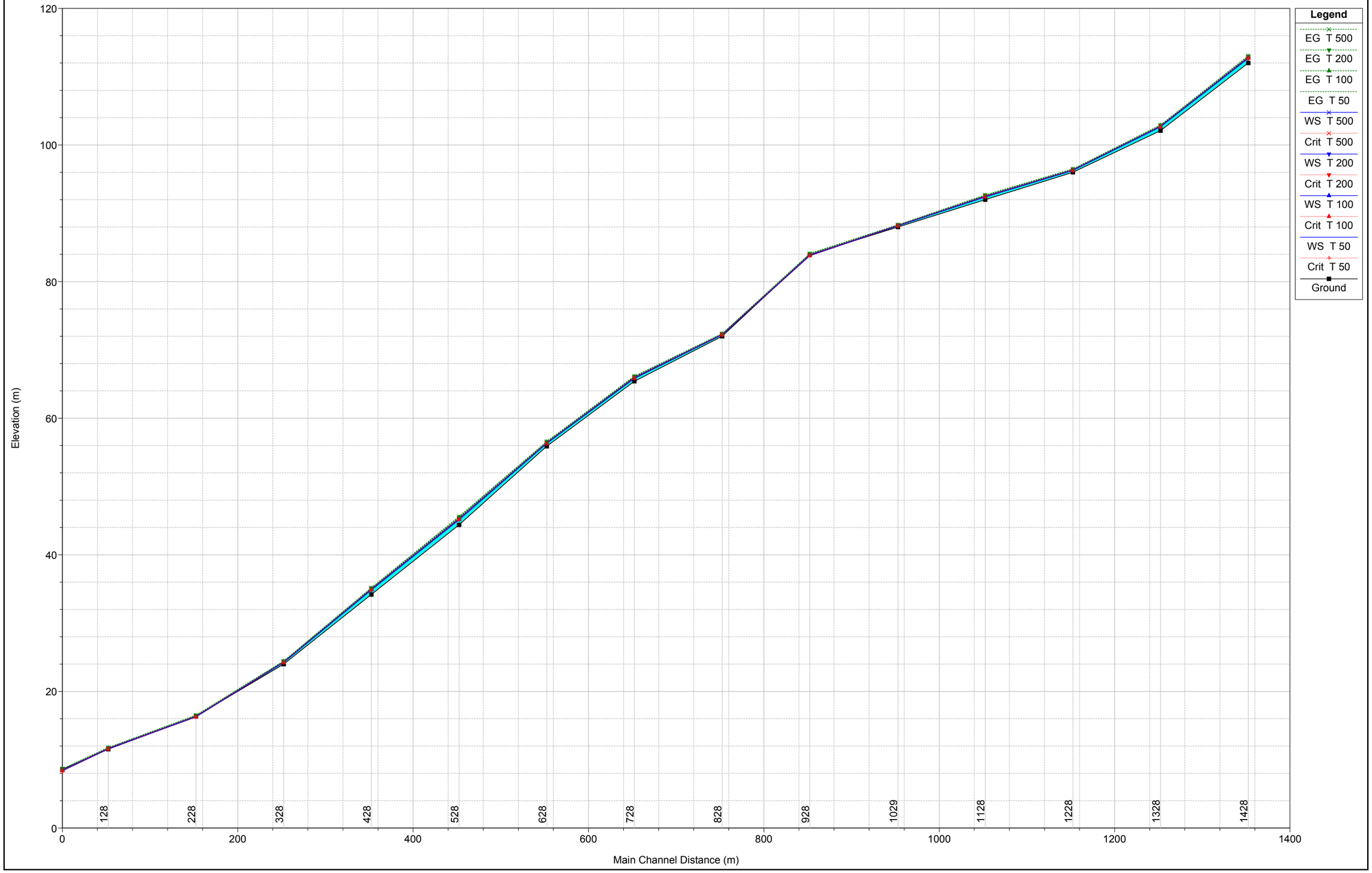
Bacino Perruma


Altimetria
elemento_idrico_g_aranci
tinPR
Elevation
250 - 260
240 - 250
230 - 240
220 - 230
210 - 220
200 - 210
190 - 200
180 - 190
170 - 180
160 - 170
150 - 160
140 - 150
130 - 140
120 - 130
110 - 120
100 - 110
90 - 100
80 - 90
70 - 80
60 - 70
50 - 60
40 - 50
30 - 40
20 - 30
10 - 20
6.092 - 10


Clivometria
elemento_idrico_g_aranci
tinPR
Slope
0% - 5%
5% - 10%
10% - 15%
15% - 20%
20% - 25%
25% - 30%
30% - 35%
35% - 40%
40% - 45%
45% - 50%
50% - 55%
55% - 60%
60% - 65%
65% - 70%
70% - 75%
75% - 80%
80% - 85%
85% - 90%

ModelloMarinella Plan: Plan 01 06/09/2014

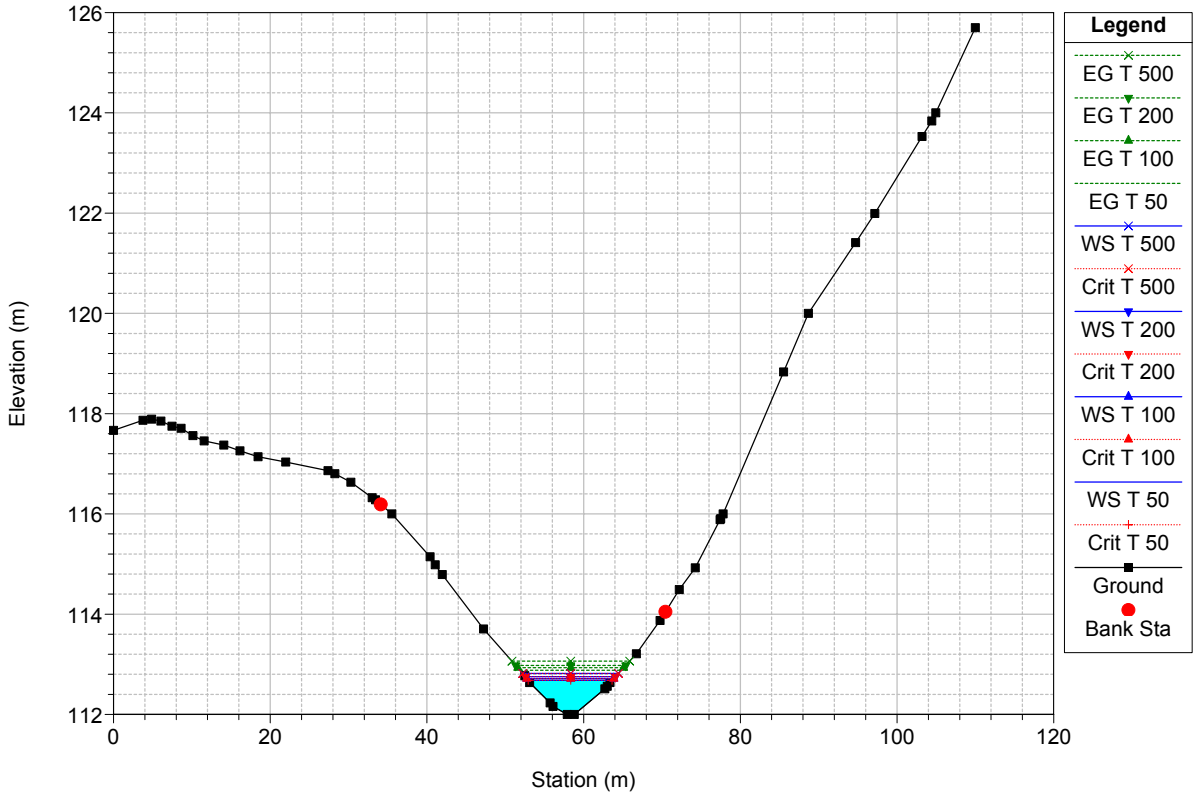
Flow: pORTATE



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

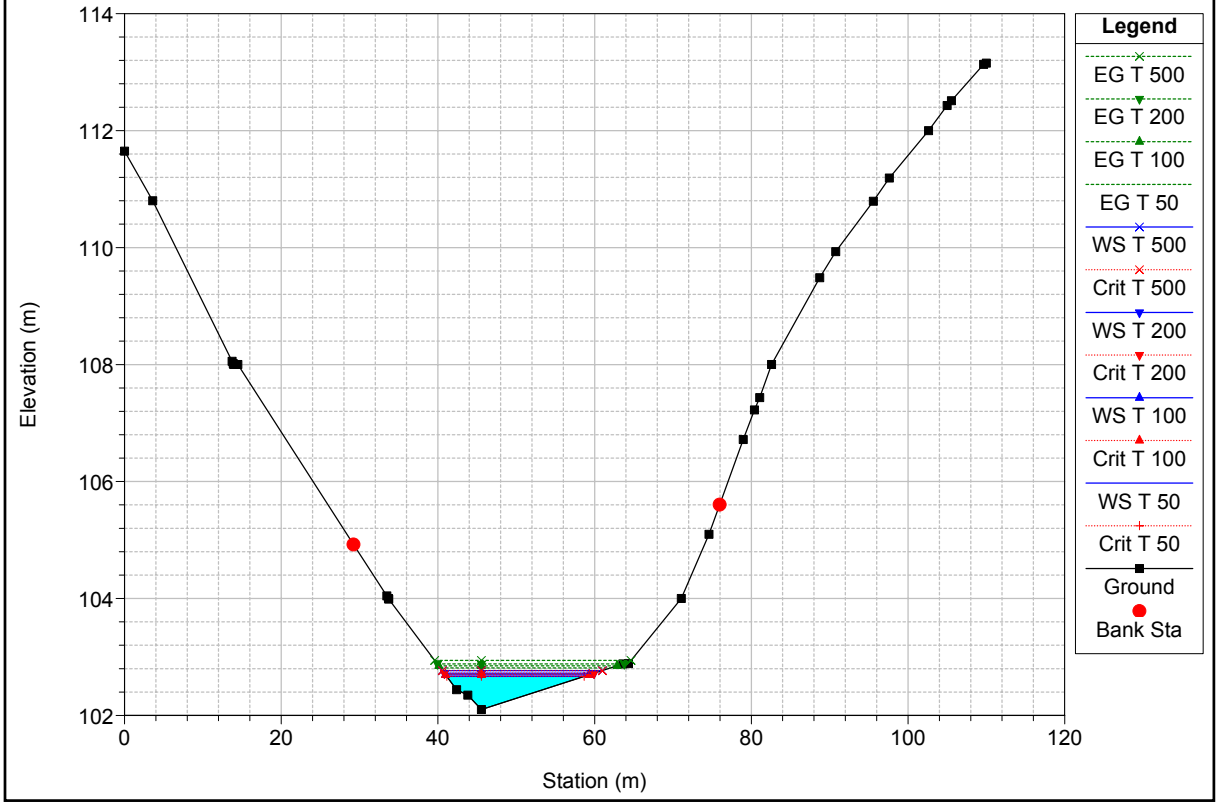
River = afflsx Reach = PR RS = 1428

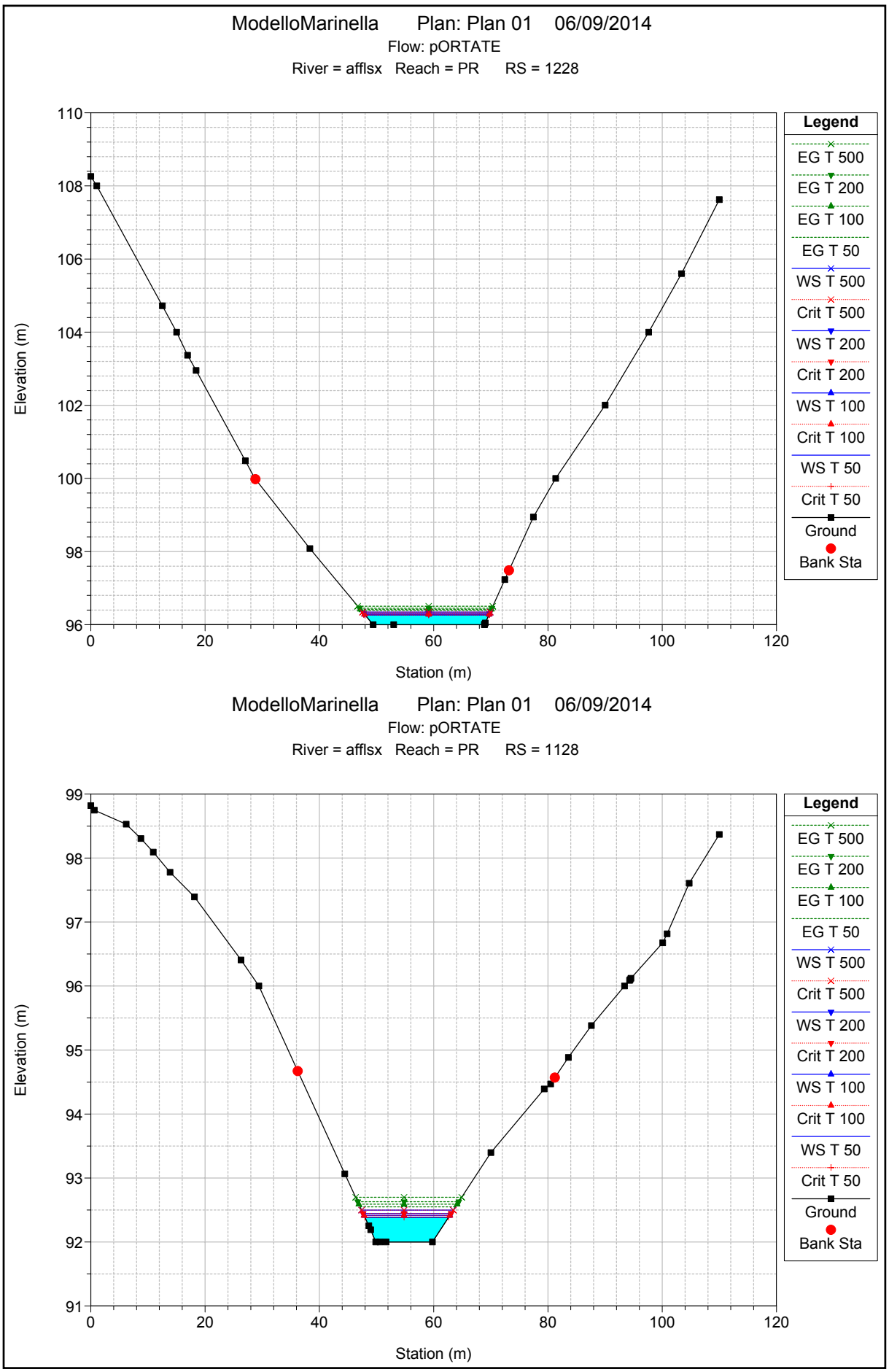


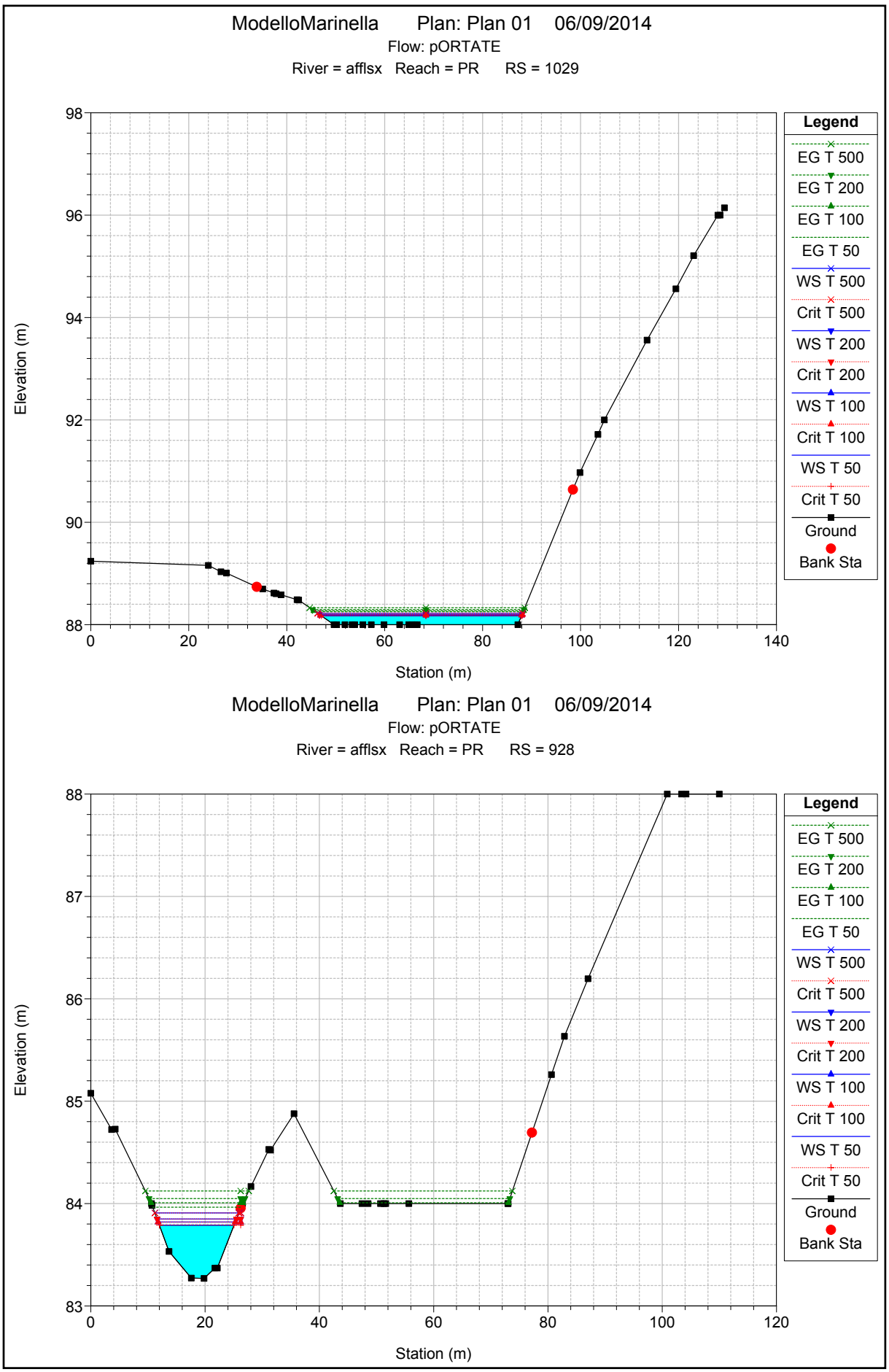
ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

River = afflsx Reach = PR RS = 1328



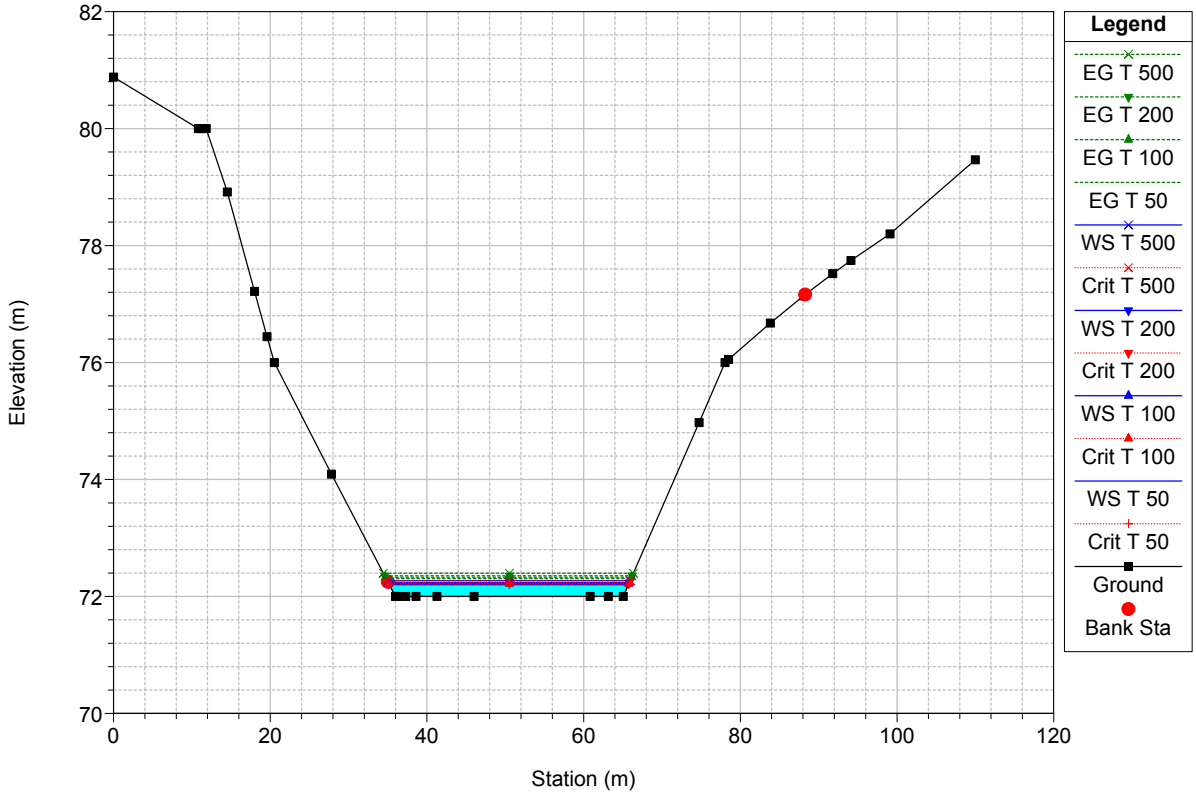

ModelloMarinella Plan: Plan 01 06/09/2014
Flow: pORTATE
River = afflsx Reach = PR RS = 1228
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta
ModelloMarinella Plan: Plan 01 06/09/2014
Flow: pORTATE
River = afflsx Reach = PR RS = 1128
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta


ModelloMarinella Plan: Plan 01 06/09/2014
Flow: pORTATE
River = afflsx Reach = PR RS = 1029
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta
ModelloMarinella Plan: Plan 01 06/09/2014
Flow: pORTATE
River = afflsx Reach = PR RS = 928
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta

ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

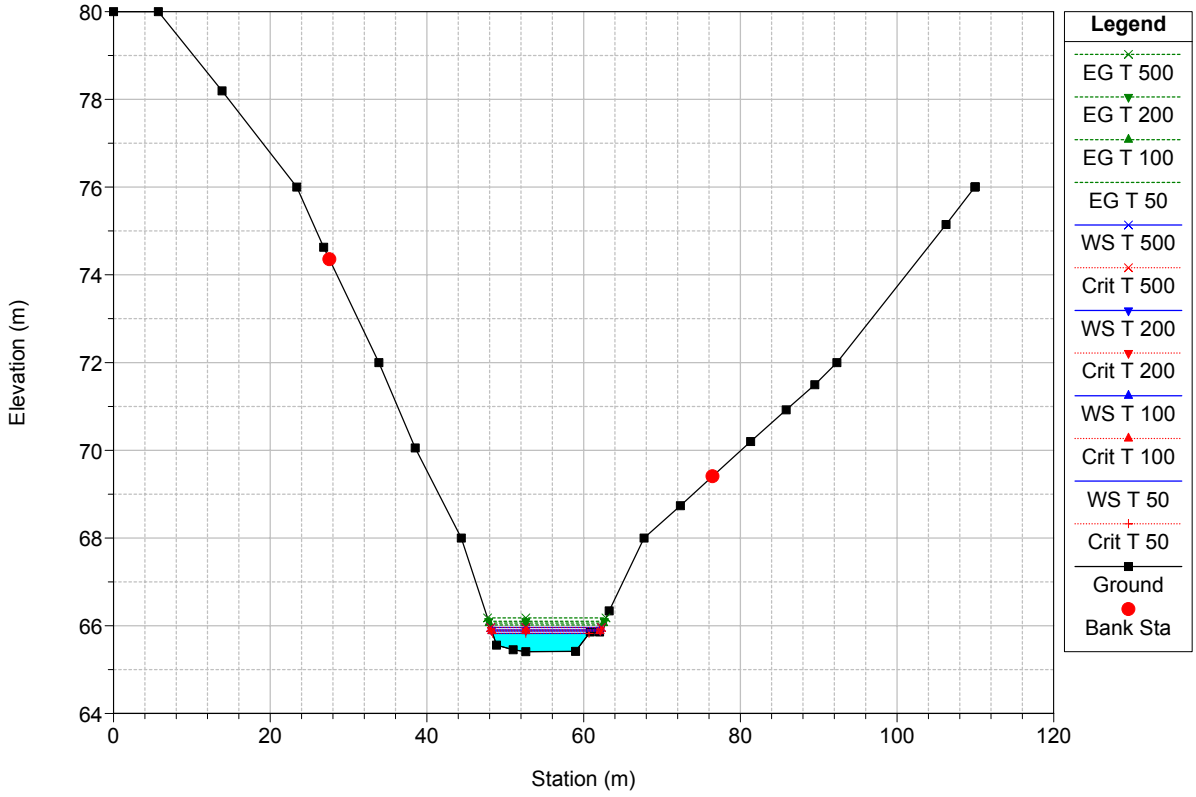
River = afflsx Reach = PR RS = 828



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

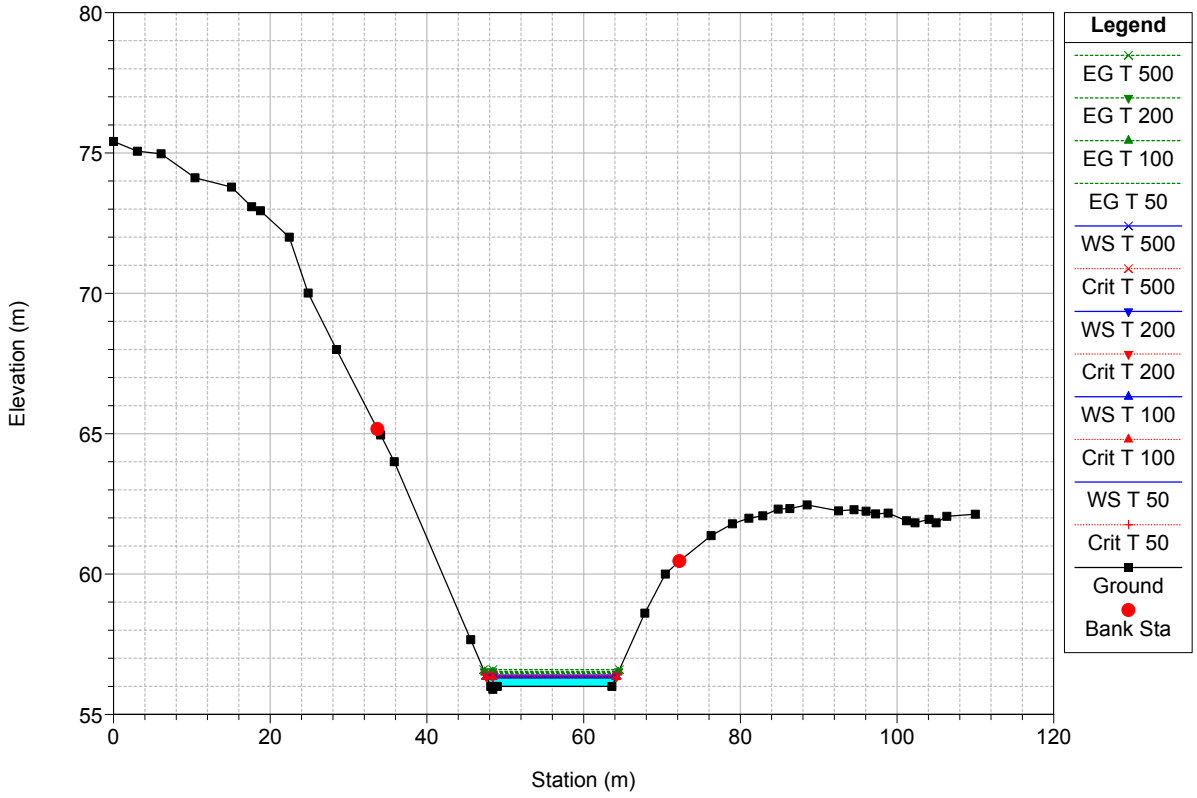
River = afflsx Reach = PR RS = 728



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

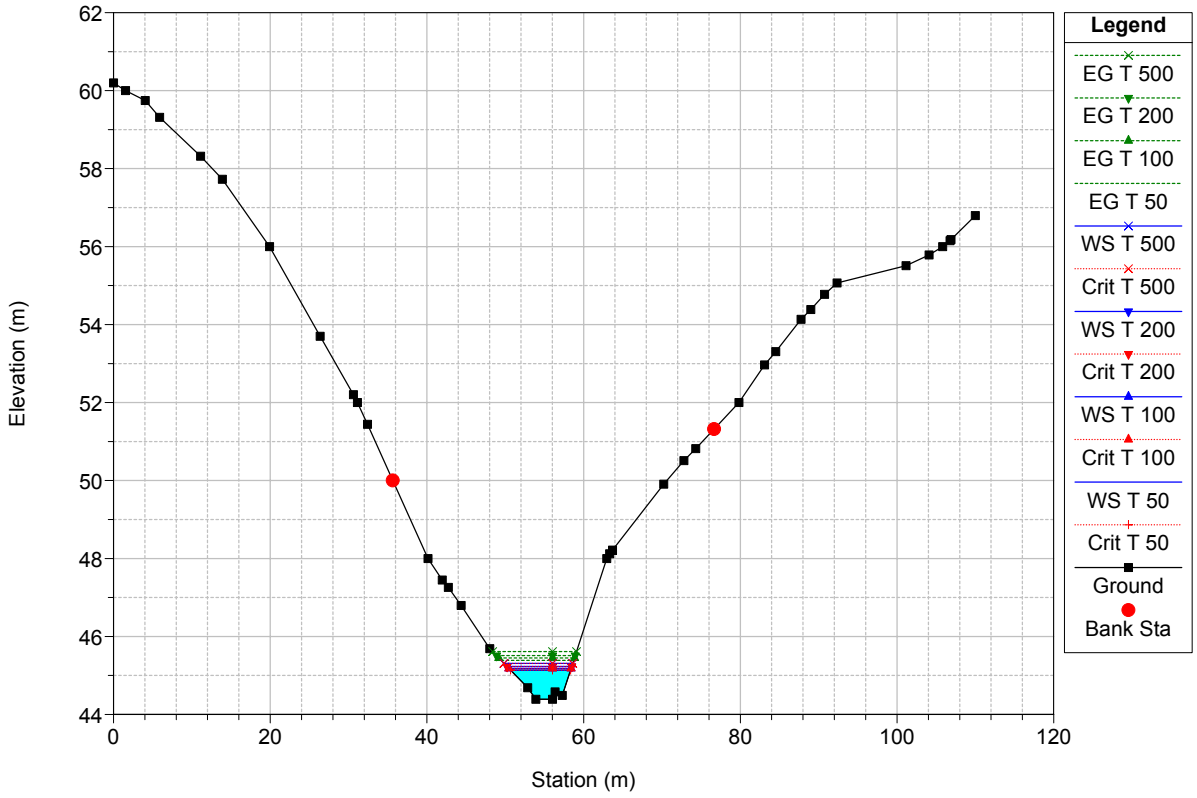
River = afflsx Reach = PR RS = 628



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

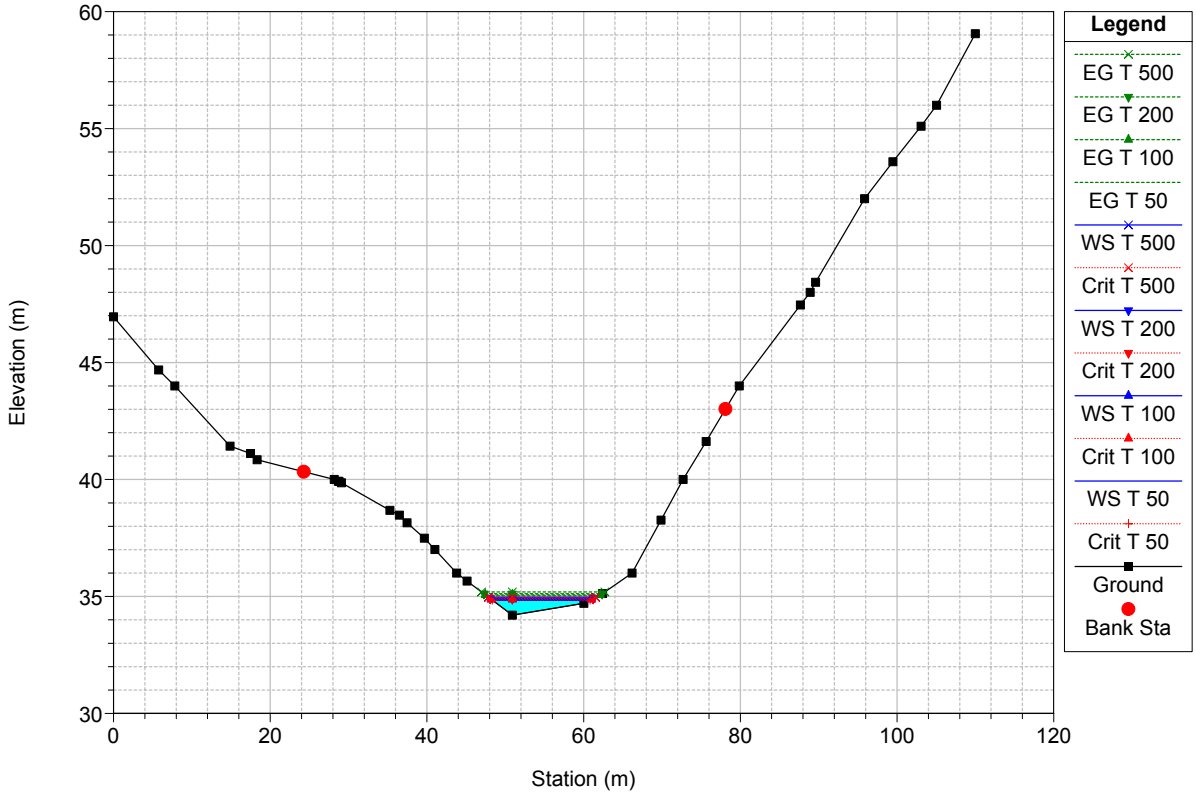
River = afflsx Reach = PR RS = 528



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

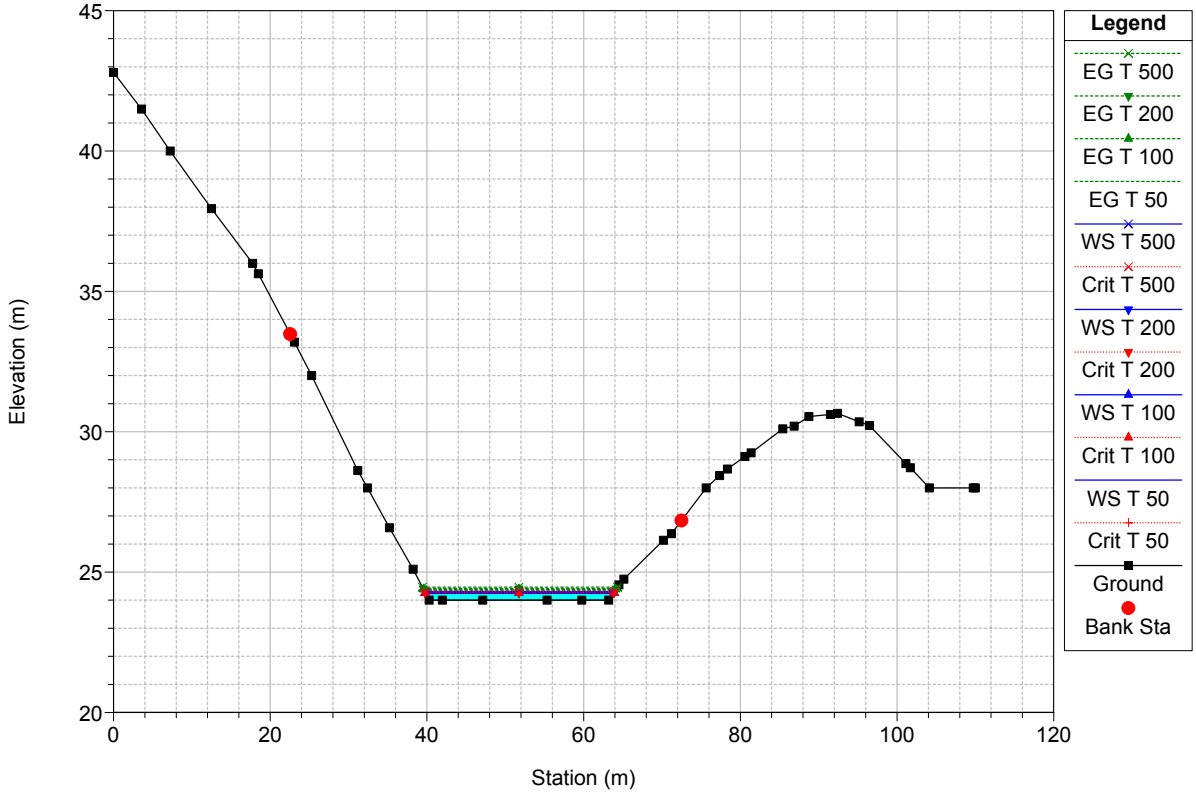
River = afflsx Reach = PR RS = 428



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

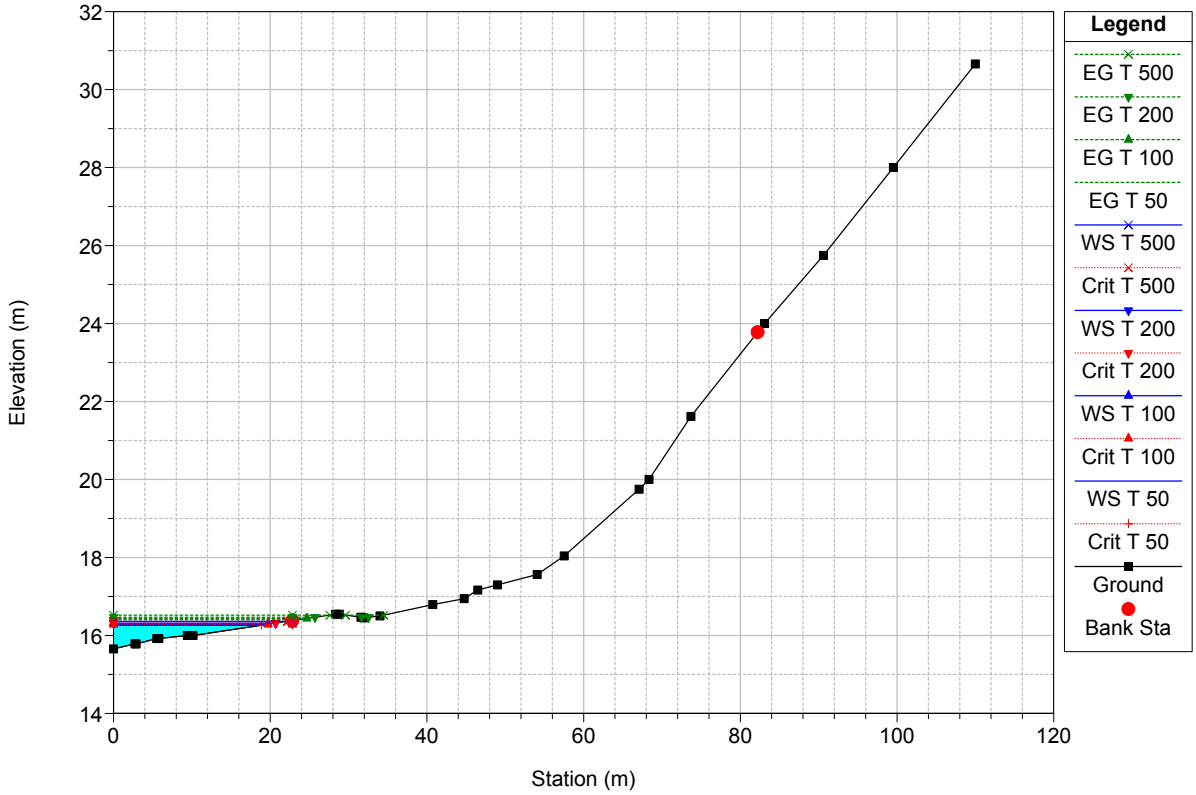
River = afflsx Reach = PR RS = 328



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

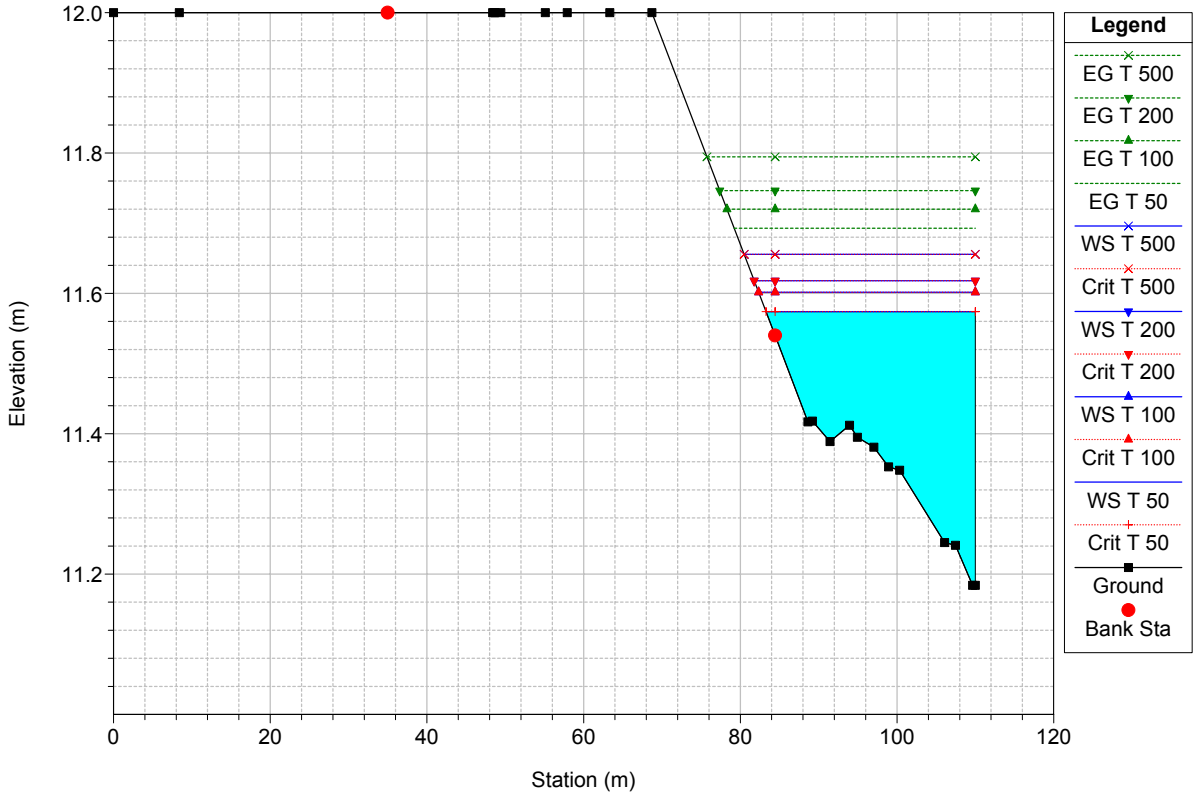
River = afflsx Reach = PR RS = 228



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

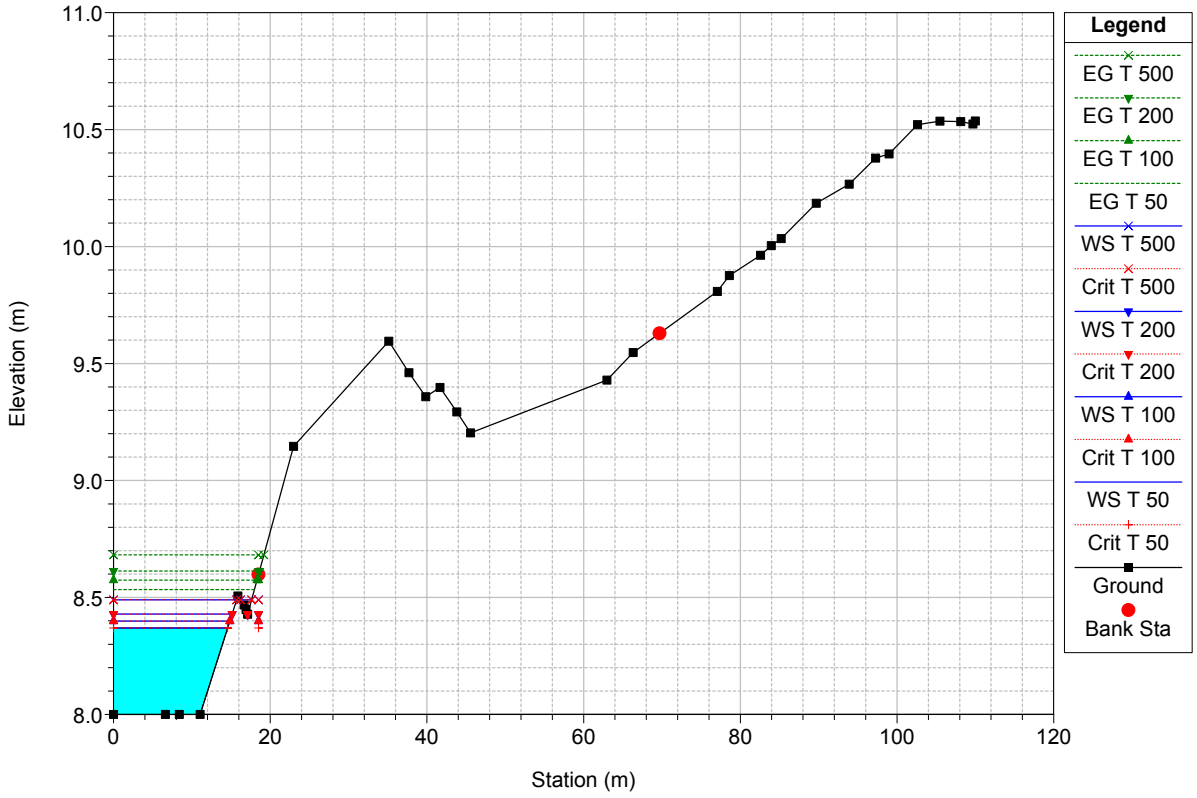
River = afflsx Reach = PR RS = 128



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

River = afflsx Reach = PR RS = 76

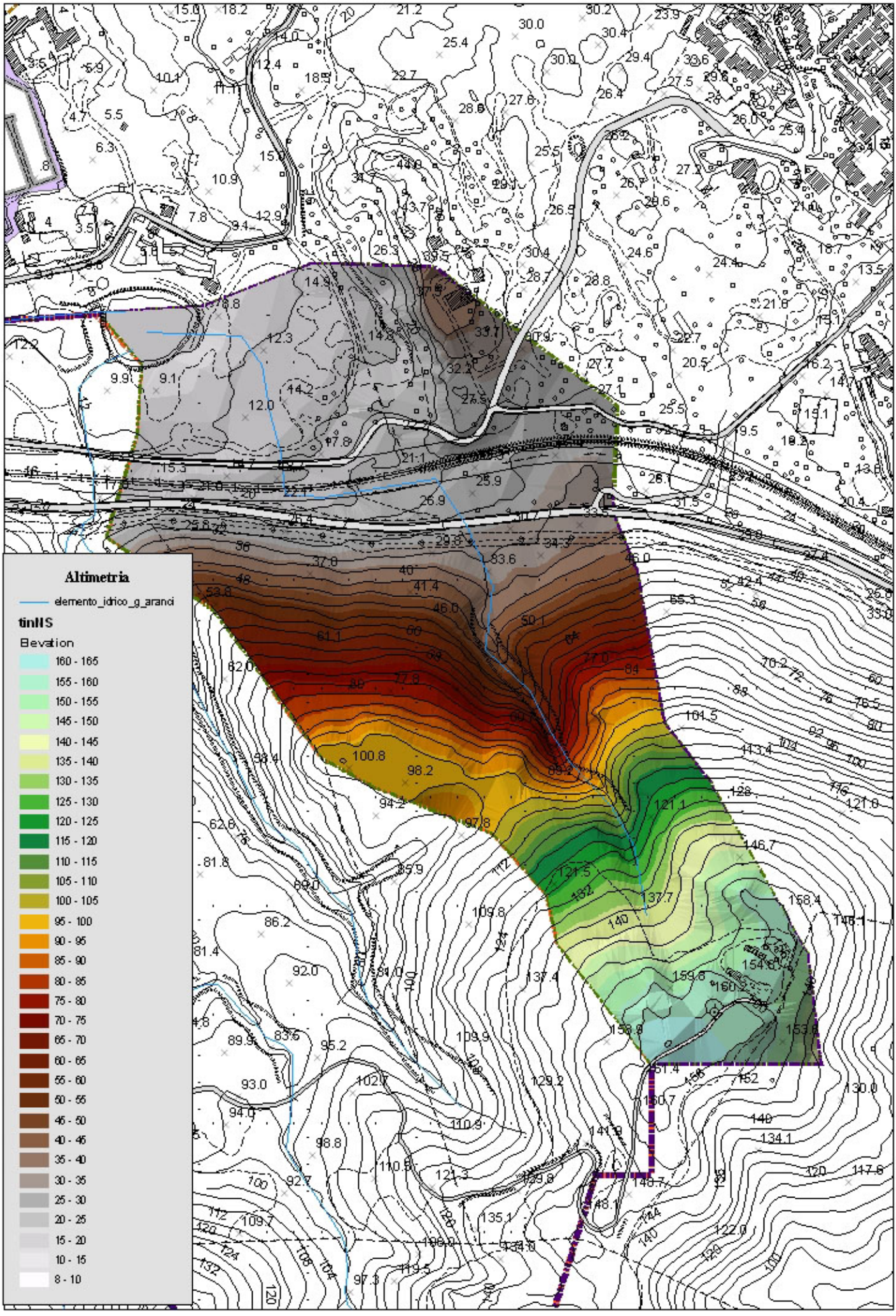


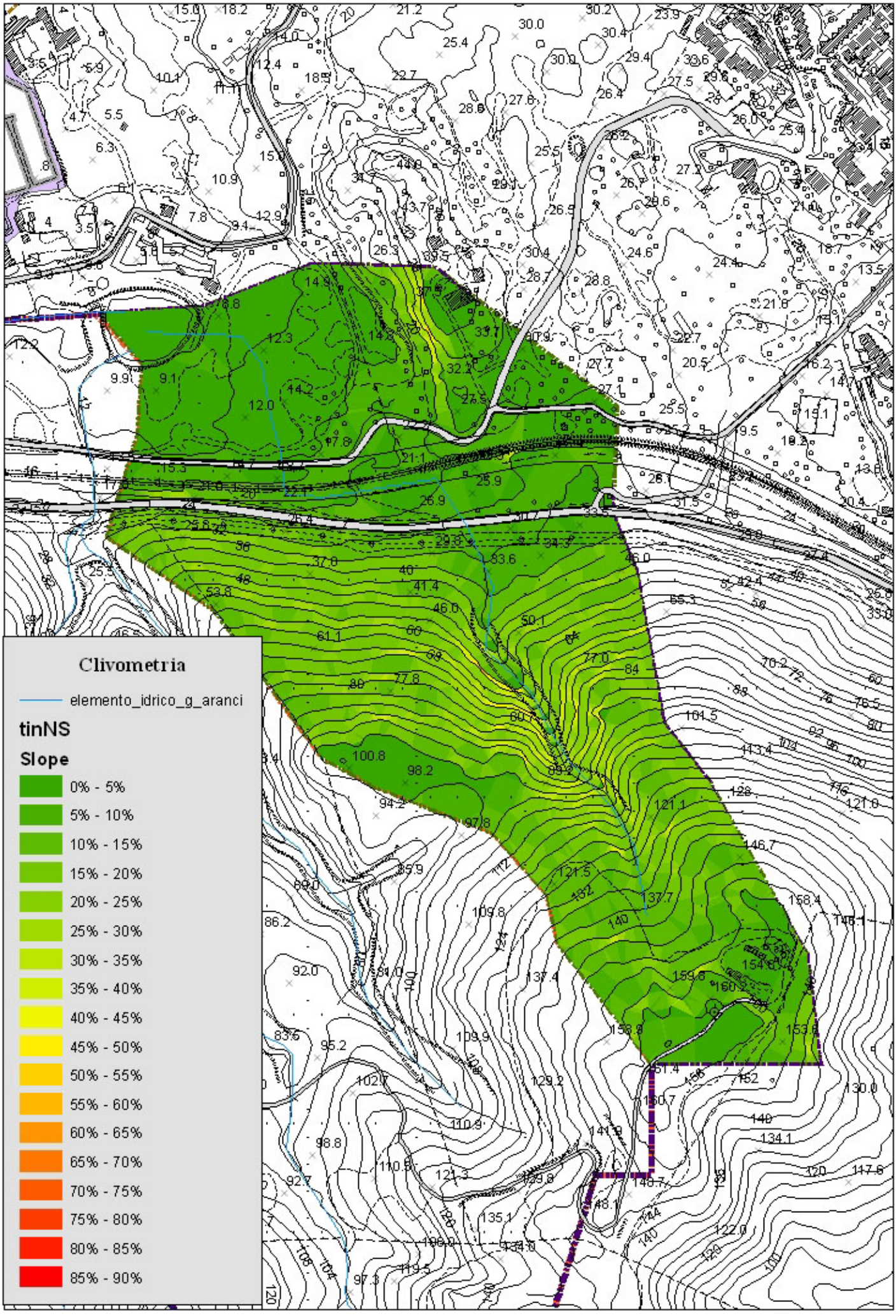
HEC-RAS Plan: Plan 01 River: afflsx Reach: PR

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)	
PR	1428	T 50	8.49	112.00	112.68	112.68	112.88	0.012449	2.00	4.25	10.71	1.01
PR	1428	T 100	9.58	112.00	112.72	112.72	112.93	0.012234	2.06	4.66	11.09	1.01
PR	1428	T 200	10.67	112.00	112.75	112.75	112.98	0.012040	2.11	5.06	11.46	1.01
PR	1428	T 500	12.80	112.00	112.82	112.82	113.06	0.011702	2.19	5.84	12.20	1.01
PR	1328	T 50	8.49	102.10	102.67	102.67	102.81	0.013778	1.69	5.01	17.54	1.01
PR	1328	T 100	9.58	102.10	102.69	102.69	102.85	0.013638	1.74	5.50	18.32	1.01
PR	1328	T 200	10.67	102.10	102.72	102.72	102.88	0.013306	1.78	6.01	19.11	1.01
PR	1328	T 500	12.80	102.10	102.77	102.77	102.94	0.013089	1.85	6.92	20.43	1.01
PR	1228	T 50	8.49	96.00	96.26	96.26	96.39	0.014224	1.57	5.40	21.64	1.00
PR	1228	T 100	9.58	96.00	96.28	96.28	96.42	0.013860	1.63	5.87	21.81	1.00
PR	1228	T 200	10.67	96.00	96.31	96.31	96.45	0.013567	1.69	6.32	21.98	1.00
PR	1228	T 500	12.80	96.00	96.34	96.34	96.51	0.013054	1.78	7.18	22.30	1.00
PR	1128	T 50	8.49	92.00	92.39	92.39	92.55	0.013079	1.79	4.74	14.67	1.01
PR	1128	T 100	9.58	92.00	92.42	92.42	92.59	0.012847	1.85	5.18	15.03	1.01
PR	1128	T 200	10.67	92.00	92.44	92.44	92.63	0.012514	1.90	5.62	15.40	1.00
PR	1128	T 500	12.80	92.00	92.50	92.50	92.70	0.012072	1.99	6.44	16.05	1.00
PR	1029	T 50	8.49	88.00	88.17	88.17	88.25	0.016146	1.27	6.69	40.82	1.00
PR	1029	T 100	9.58	88.00	88.18	88.18	88.27	0.015779	1.32	7.27	41.09	1.00
PR	1029	T 200	10.67	88.00	88.20	88.20	88.29	0.015335	1.36	7.84	41.36	1.00
PR	1029	T 500	12.80	88.00	88.22	88.22	88.33	0.014943	1.45	8.85	41.83	1.00
PR	928	T 50	8.49	83.95	83.79	83.79	83.96	0.012716		4.57	13.08	0.00
PR	928	T 100	9.58	83.95	83.82	83.82	84.01	0.012625		4.99	13.50	0.00
PR	928	T 200	10.67	83.95	83.85	83.85	84.05	0.012632		5.38	13.89	0.00
PR	928	T 500	12.80	83.95	83.91	83.91	84.12	0.012022		6.23	14.70	0.00
PR	828	T 50	8.49	72.00	72.20	72.20	72.30	0.015659	1.41	6.02	30.51	1.01
PR	828	T 100	9.58	72.00	72.22	72.22	72.33	0.014718	1.45	6.60	30.65	1.00
PR	828	T 200	10.67	72.00	72.24	72.24	72.35	0.014506	1.51	7.08	30.76	1.00
PR	828	T 500	12.80	72.00	72.27	72.27	72.40	0.013829	1.59	8.03	30.98	1.00
PR	728	T 50	8.49	65.41	65.82	65.82	66.02	0.014035	1.96	4.34	12.31	1.05
PR	728	T 100	9.58	65.41	65.88	65.88	66.06	0.012441	1.89	5.06	13.79	1.00
PR	728	T 200	10.67	65.41	65.90	65.90	66.10	0.012479	1.97	5.41	13.90	1.01
PR	728	T 500	12.80	65.41	65.96	65.96	66.18	0.011966	2.08	6.16	14.14	1.01
PR	628	T 50	8.49	55.90	56.31	56.31	56.46	0.013615	1.73	4.92	16.44	1.01
PR	628	T 100	9.58	55.90	56.33	56.33	56.50	0.013020	1.78	5.37	16.52	1.00
PR	628	T 200	10.67	55.90	56.36	56.36	56.53	0.012984	1.86	5.75	16.59	1.01
PR	628	T 500	12.80	55.90	56.40	56.40	56.60	0.012519	1.97	6.51	16.74	1.01
PR	528	T 50	8.49	44.39	45.14	45.14	45.39	0.011941	2.23	3.81	7.65	1.01
PR	528	T 100	9.58	44.39	45.18	45.18	45.45	0.011784	2.29	4.18	7.95	1.01
PR	528	T 200	10.67	44.39	45.23	45.23	45.51	0.011507	2.34	4.56	8.25	1.00
PR	528	T 500	12.80	44.39	45.31	45.31	45.61	0.011321	2.44	5.24	8.76	1.01
PR	428	T 50	8.49	34.20	34.84	34.84	35.03	0.012972	1.90	4.46	12.47	1.02
PR	428	T 100	9.58	34.20	34.88	34.88	35.07	0.012510	1.95	4.90	12.81	1.01
PR	428	T 200	10.67	34.20	34.91	34.91	35.12	0.012046	2.00	5.34	13.14	1.00
PR	428	T 500	12.80	34.20	34.97	34.97	35.19	0.012032	2.11	6.06	13.65	1.01
PR	328	T 50	8.49	24.00	24.24	24.24	24.36	0.014404	1.52	5.60	23.93	1.00
PR	328	T 100	9.58	24.00	24.26	24.26	24.39	0.013996	1.57	6.09	24.02	1.00
PR	328	T 200	10.67	24.00	24.27	24.27	24.41	0.014319	1.65	6.46	24.08	1.02
PR	328	T 500	12.80	24.00	24.31	24.31	24.47	0.013353	1.74	7.38	24.25	1.00
PR	228	T 50	8.49	16.38	16.26	16.26	16.40	0.014590		5.13	18.87	0.00
PR	228	T 100	9.58	16.38	16.29	16.29	16.43	0.014535		5.62	19.72	0.00
PR	228	T 200	10.67	16.38	16.32	16.32	16.47	0.013780		6.21	20.70	0.00
PR	228	T 500	12.80	16.38	16.36	16.36	16.52	0.013476		7.17	22.20	0.00
PR	128	T 50	8.49	11.54	11.57	11.57	11.69	0.016413	0.28	5.57	26.73	0.69
PR	128	T 100	9.58	11.54	11.60	11.60	11.72	0.013998	0.39	6.32	27.67	0.70
PR	128	T 200	10.67	11.54	11.62	11.62	11.75	0.013952	0.45	6.78	28.23	0.73
PR	128	T 500	12.80	11.54	11.66	11.66	11.79	0.012717	0.56	7.86	29.51	0.75
PR	76	T 50	8.49	8.60	8.37	8.37	8.53	0.013428		4.73	14.57	0.00
PR	76	T 100	9.58	8.60	8.40	8.40	8.57	0.013107		5.17	14.85	0.00
PR	76	T 200	10.67	8.60	8.43	8.43	8.61	0.012659		5.62	15.15	0.00
PR	76	T 500	12.80	8.60	8.49	8.49	8.68	0.011451		6.60	17.14	0.00

I BACINI DI MARINELLA

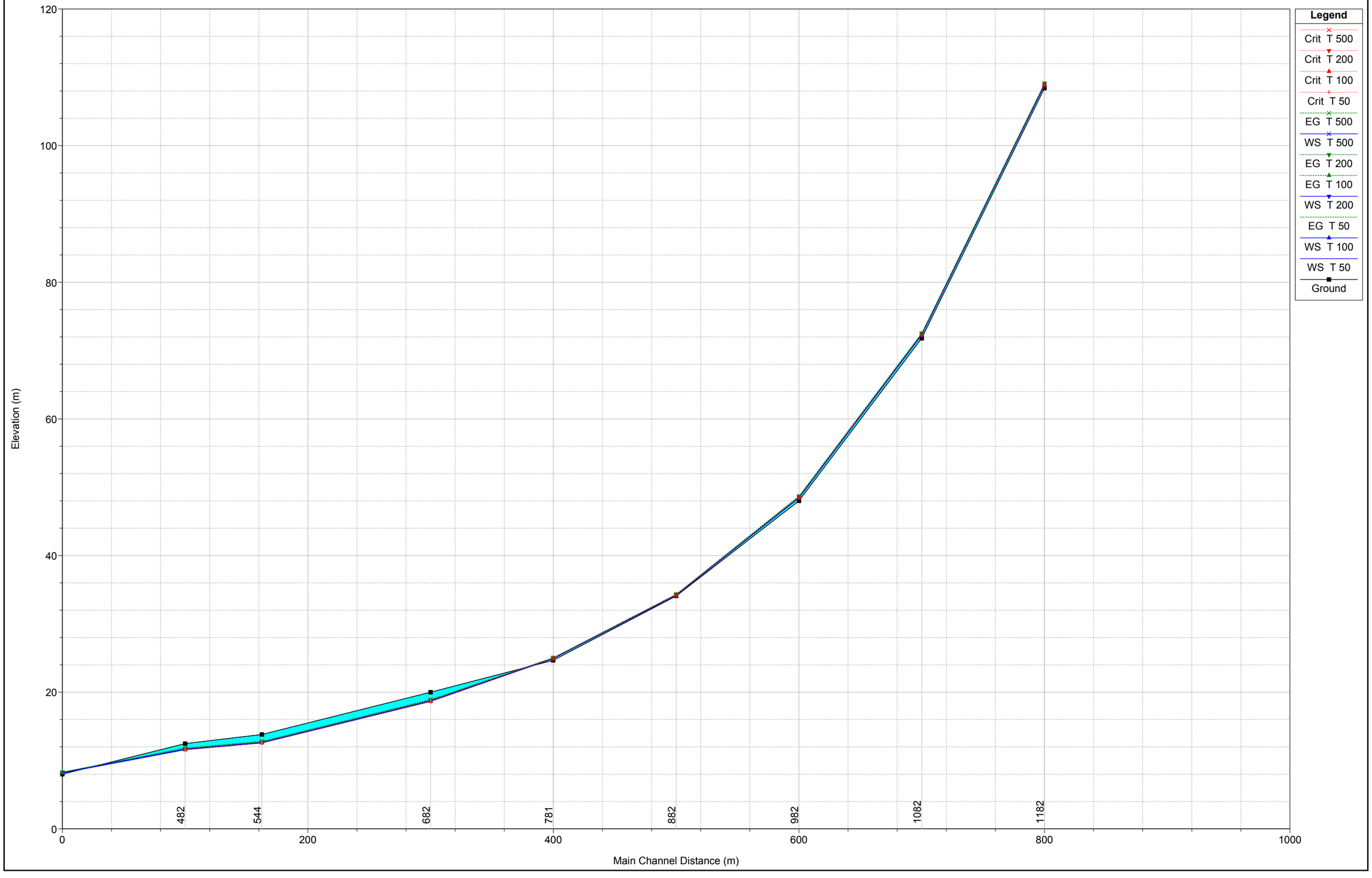
Bacino Nostra Signora


Altimetria
elemento_idrico_g_aranci
tinNS
Elevation
160 - 165
155 - 160
150 - 155
145 - 150
140 - 145
135 - 140
130 - 135
125 - 130
120 - 125
115 - 120
110 - 115
105 - 110
100 - 105
95 - 100
90 - 95
85 - 90
80 - 85
75 - 80
70 - 75
65 - 70
60 - 65
55 - 60
50 - 55
45 - 50
40 - 45
35 - 40
30 - 35
25 - 30
20 - 25
15 - 20
10 - 15
8 - 10


Clivometria
elemento_idrico_g_aranci
tinNS
Slope
0% - 5%
5% - 10%
10% - 15%
15% - 20%
20% - 25%
25% - 30%
30% - 35%
35% - 40%
40% - 45%
45% - 50%
50% - 55%
55% - 60%
60% - 65%
65% - 70%
70% - 75%
75% - 80%
80% - 85%
85% - 90%

ModelloMarinella Plan: Plan 01 06/09/2014

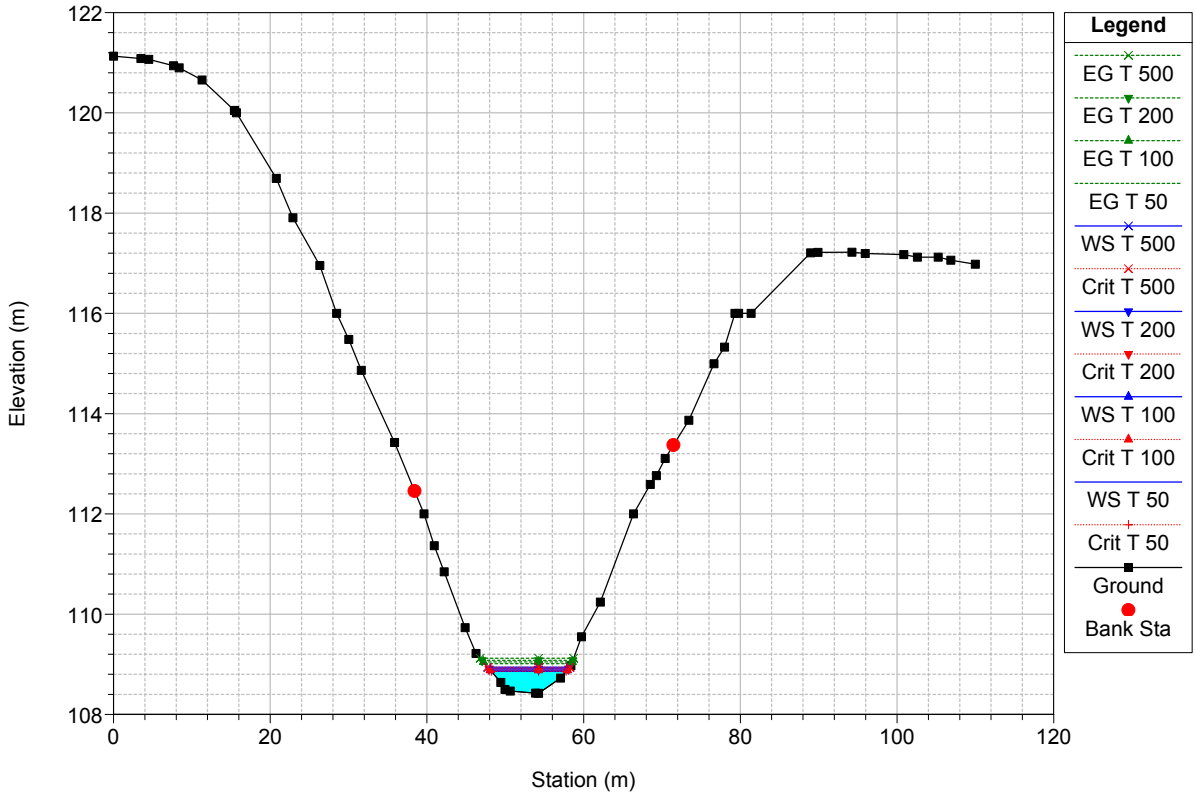
Flow: pORTATE



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

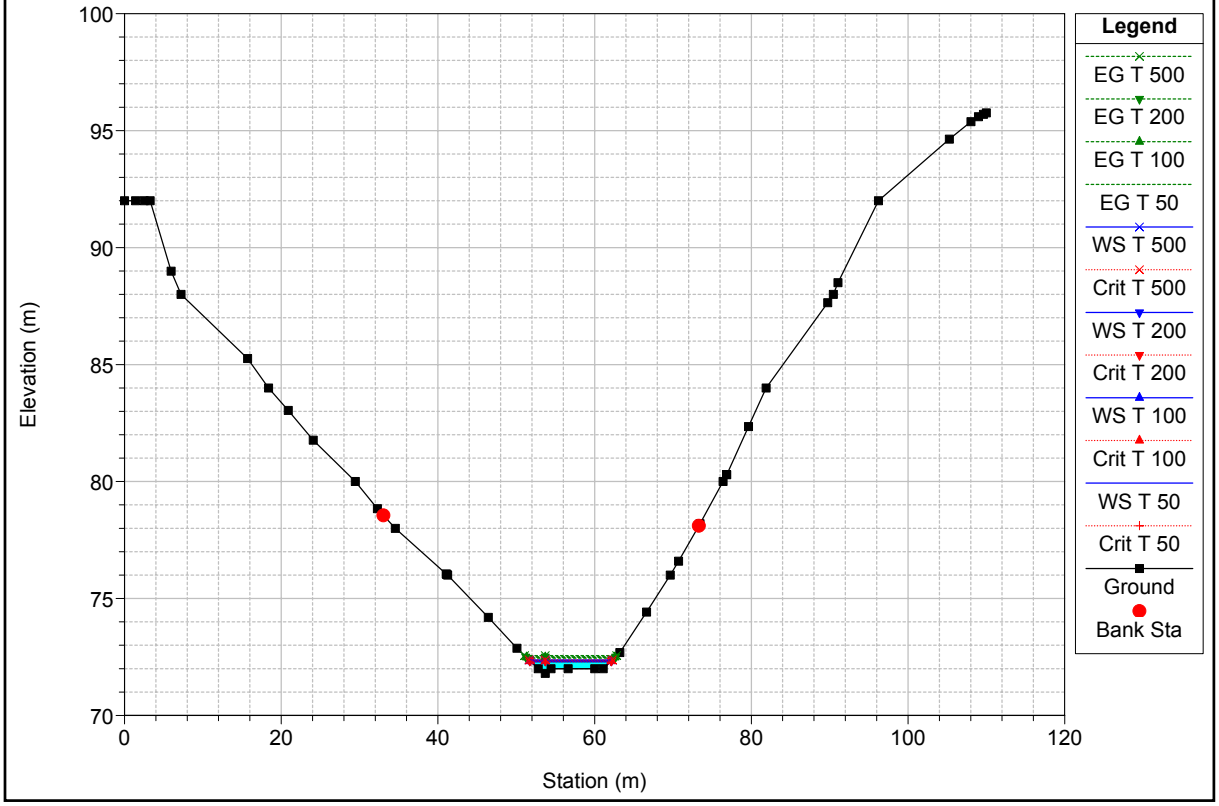
River = Canale Reach = NS RS = 1182



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

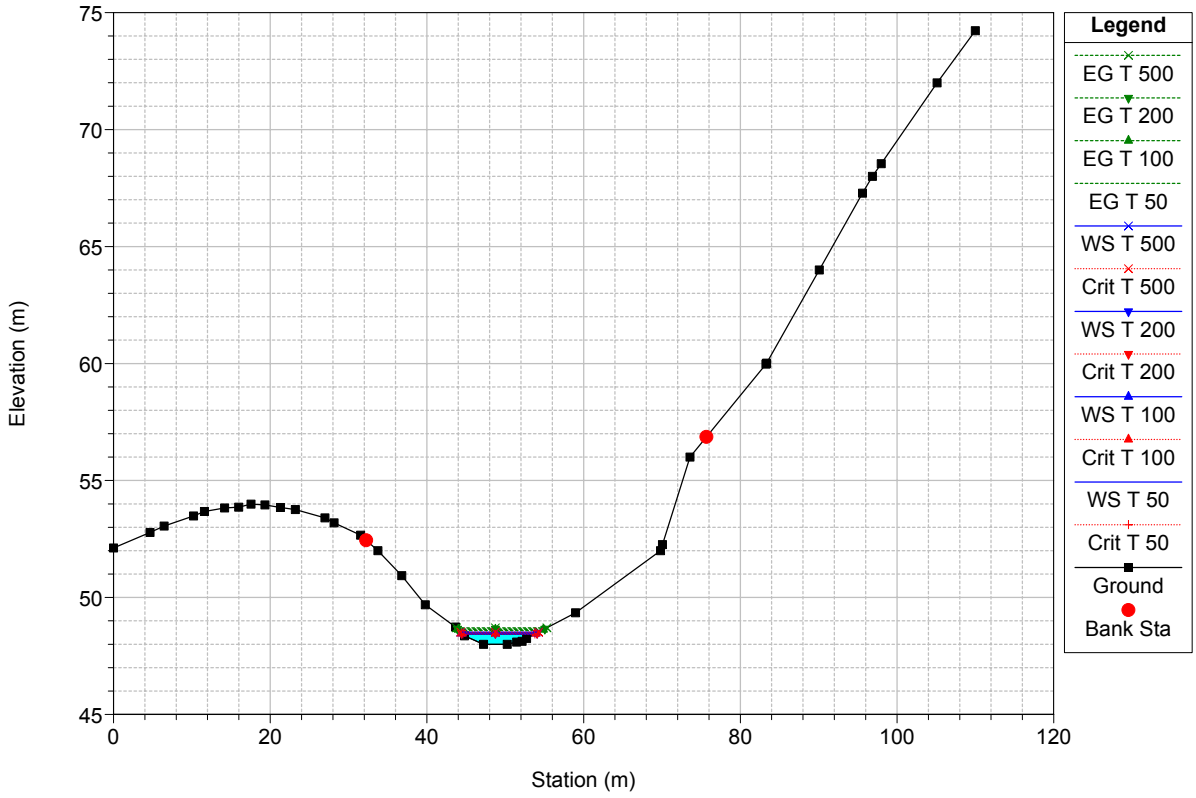
River = Canale Reach = NS RS = 1082



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

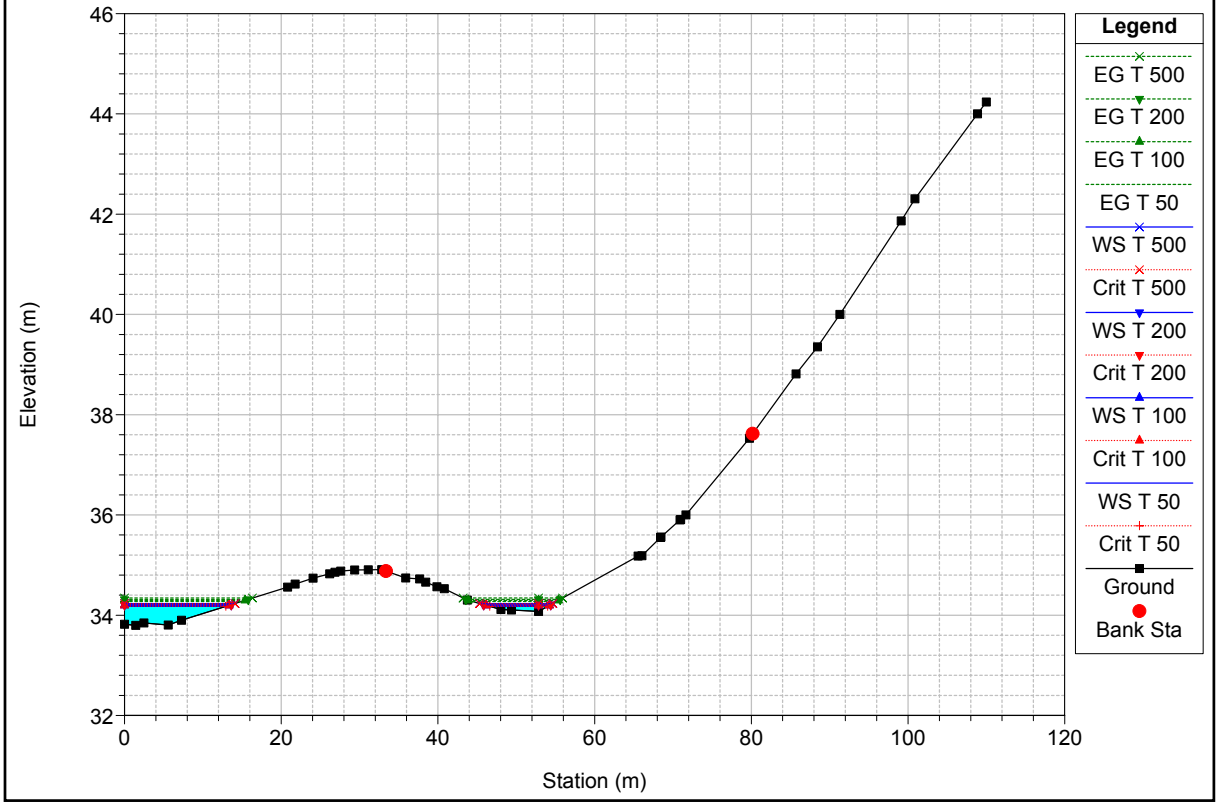
River = Canale Reach = NS RS = 982



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

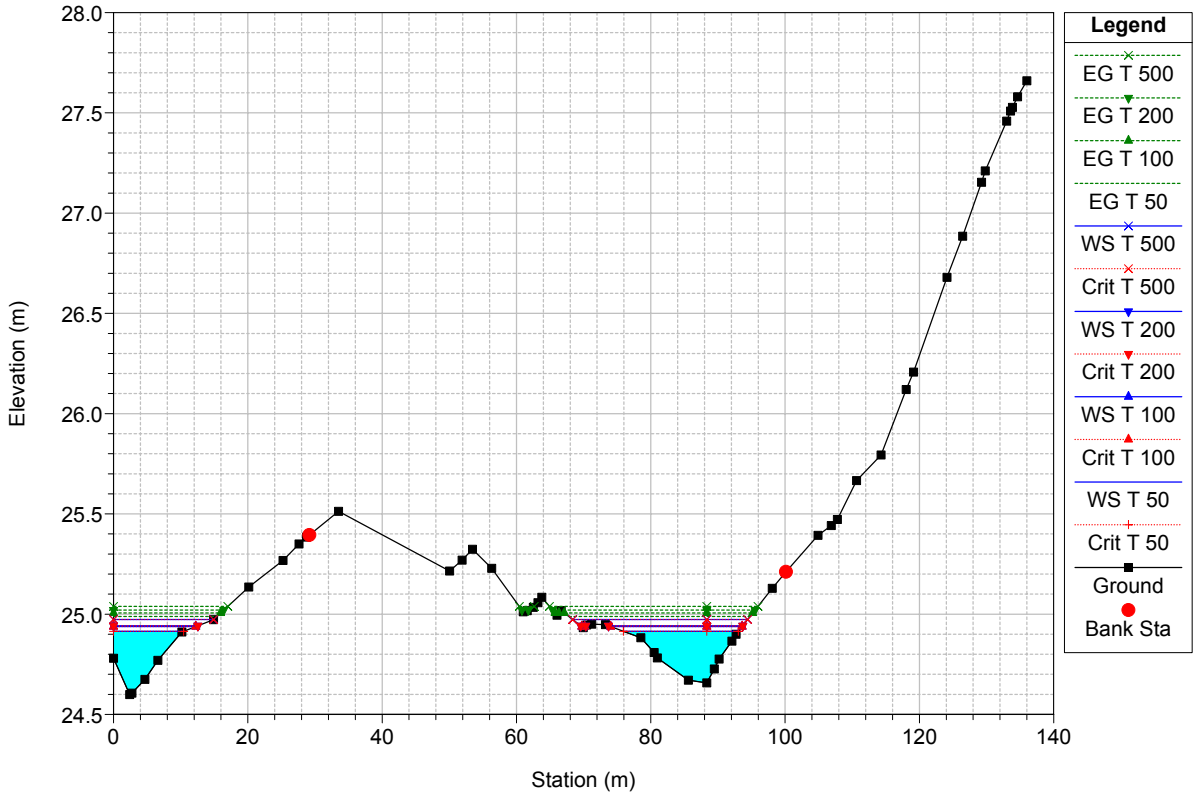
River = Canale Reach = NS RS = 882



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

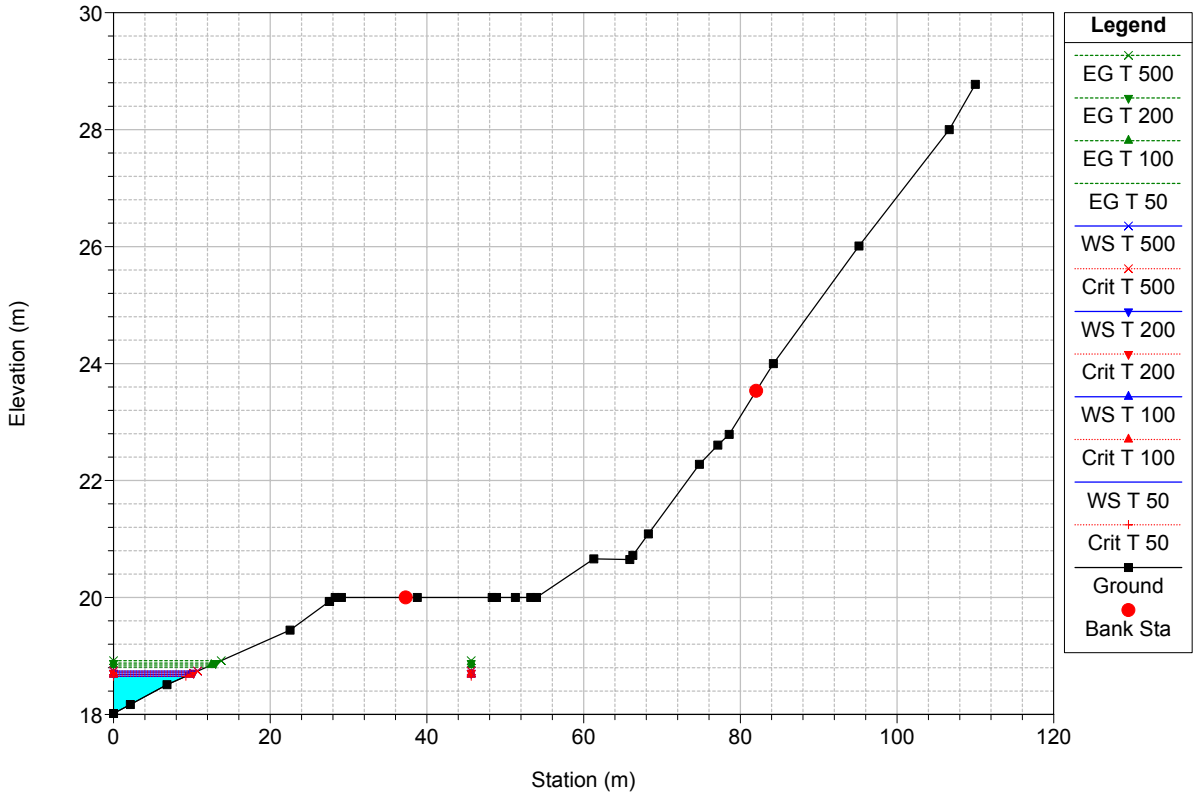
River = Canale Reach = NS RS = 781



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

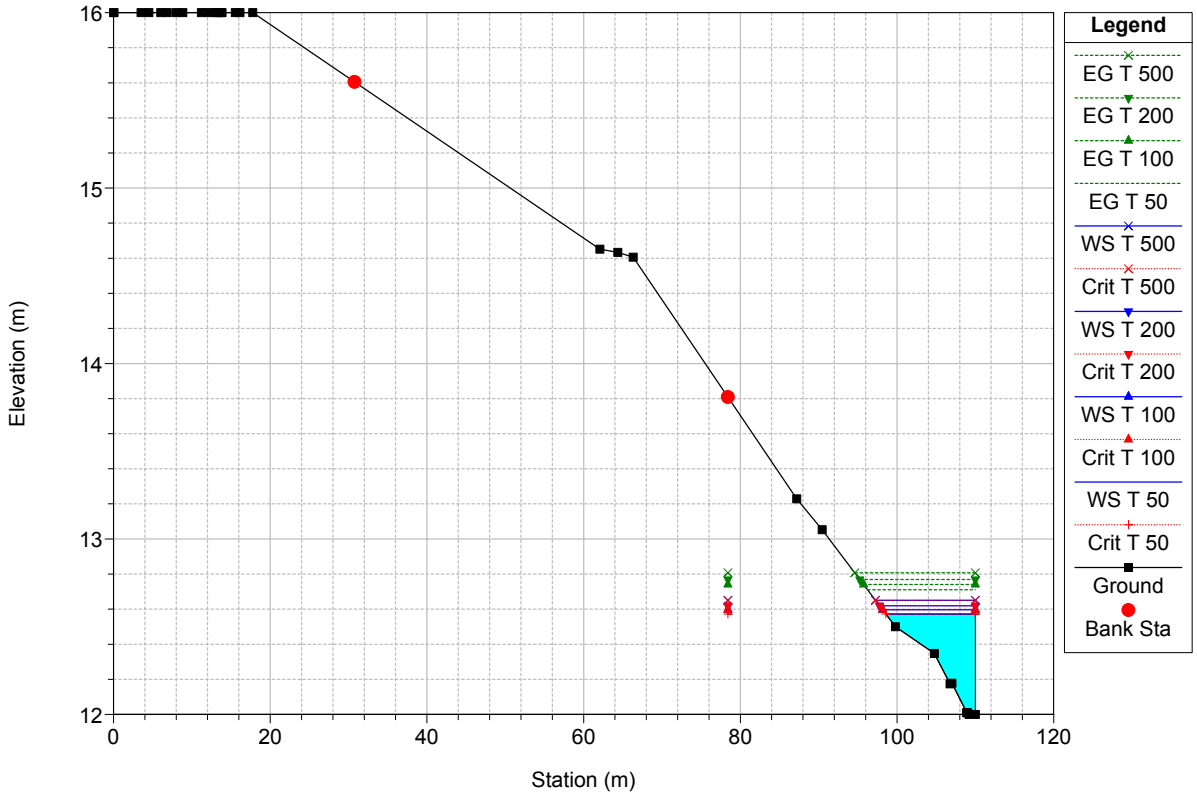
River = Canale Reach = NS RS = 682



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

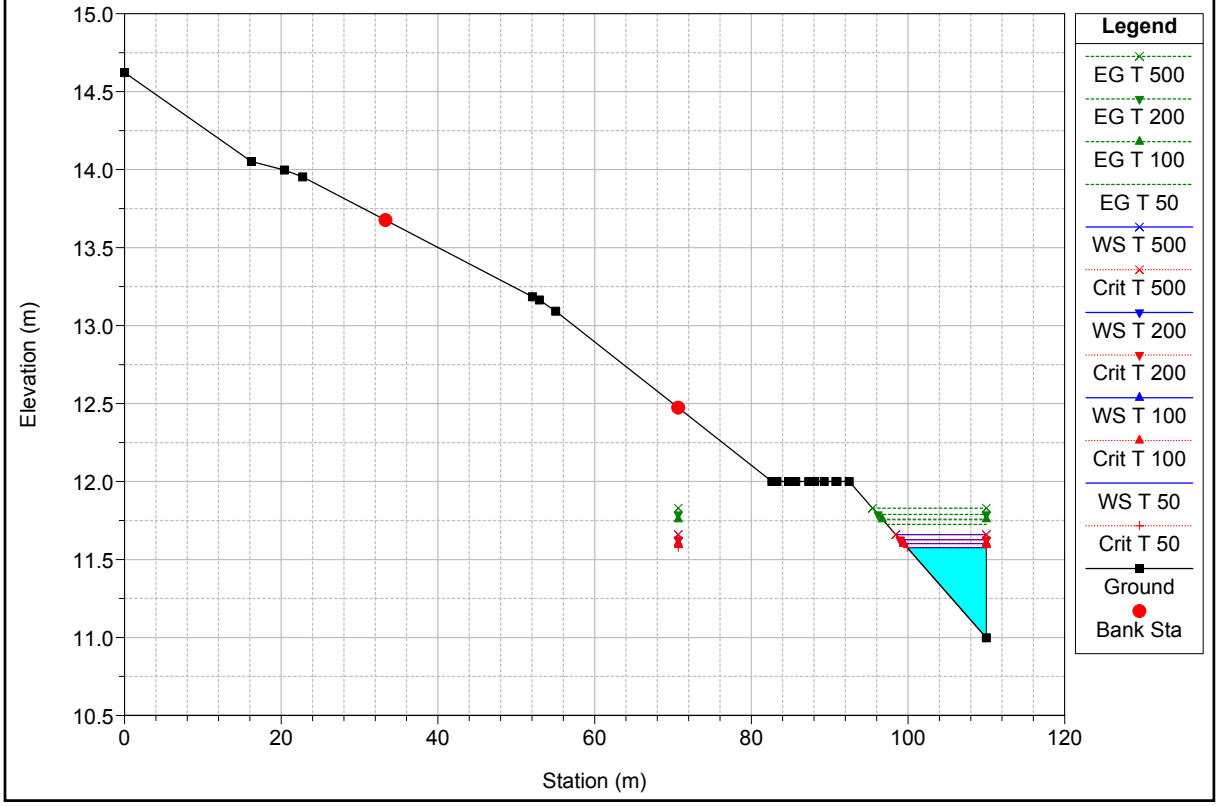
River = Canale Reach = NS RS = 544



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

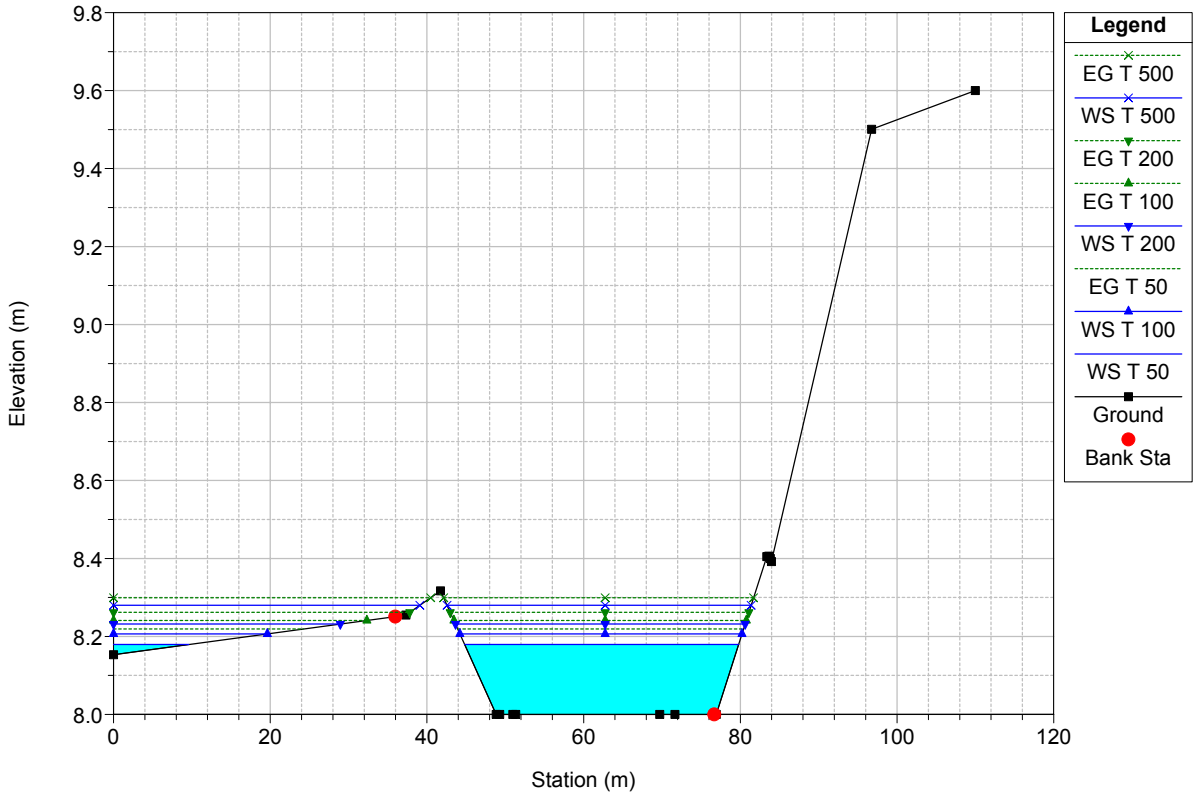
River = Canale Reach = NS RS = 482



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

River = Canale Reach = NS RS = 382



HEC-RAS Plan: Plan 01 River: Canale Reach: NS

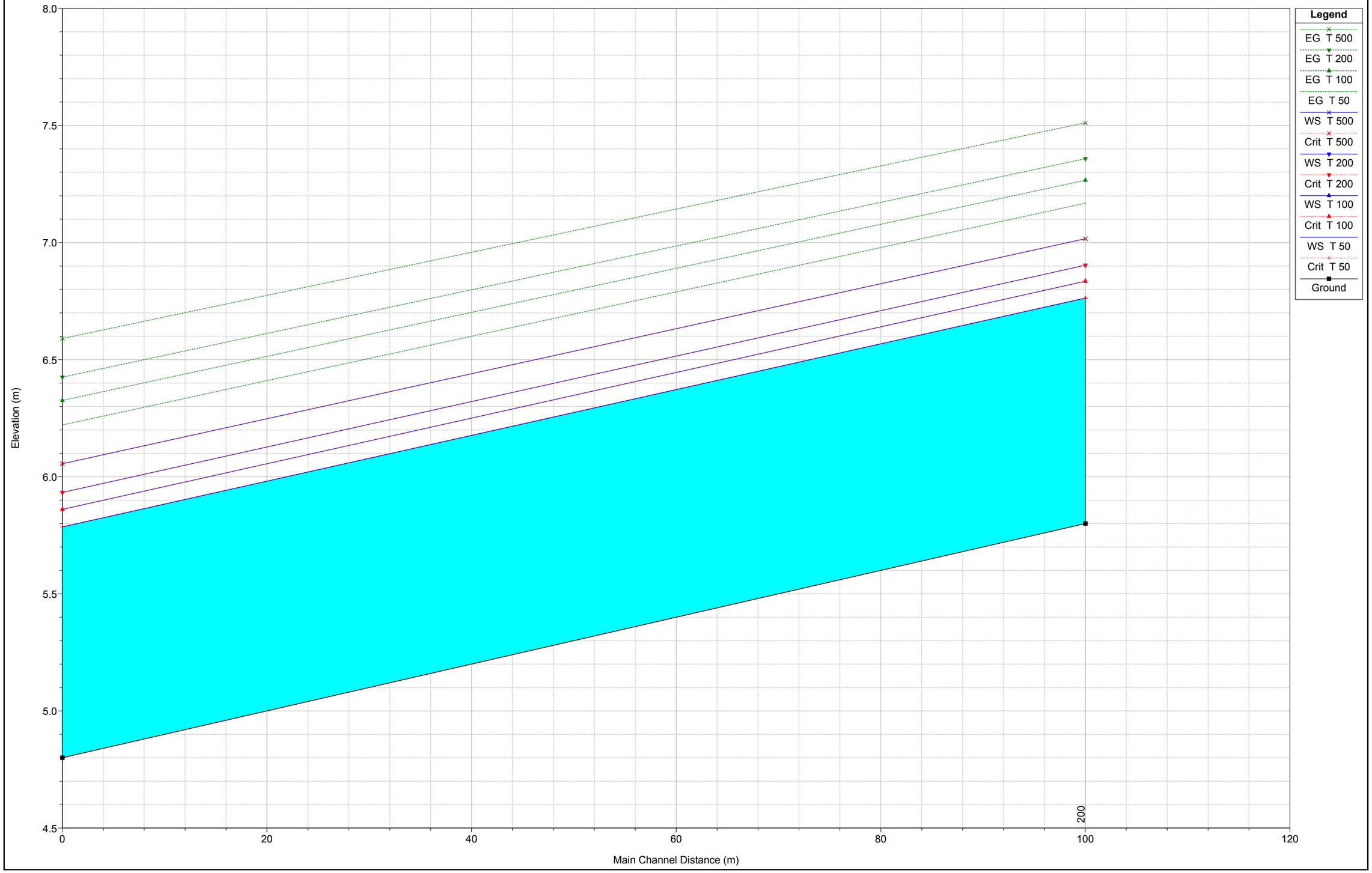
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
NS	1182	T 50	4.99	108.42	108.86	108.86	109.01	0.013504	1.73	2.88	9.53	1.01
NS	1182	T 100	5.58	108.42	108.89	108.89	109.05	0.013108	1.78	3.14	9.83	1.00
NS	1182	T 200	6.16	108.42	108.91	108.91	109.08	0.012763	1.81	3.40	10.11	1.00
NS	1182	T 500	6.98	108.42	108.94	108.94	109.12	0.012779	1.88	3.71	10.45	1.01
NS	1082	T 50	4.99	71.80	72.30	72.30	72.45	0.014045	1.71	2.92	10.15	1.02
NS	1082	T 100	5.58	71.80	72.32	72.32	72.48	0.013735	1.76	3.17	10.29	1.01
NS	1082	T 200	6.16	71.80	72.35	72.35	72.51	0.013462	1.81	3.40	10.43	1.01
NS	1082	T 500	6.98	71.80	72.38	72.38	72.56	0.013096	1.88	3.72	10.62	1.01
NS	982	T 50	4.99	48.00	48.43	48.43	48.59	0.013205	1.75	2.85	9.19	1.00
NS	982	T 100	5.58	48.00	48.46	48.46	48.62	0.012901	1.80	3.11	9.43	1.00
NS	982	T 200	6.16	48.00	48.48	48.48	48.66	0.012927	1.85	3.32	9.62	1.01
NS	982	T 500	6.98	48.00	48.52	48.52	48.70	0.012491	1.90	3.66	9.93	1.00
NS	882	T 50	4.99	34.08	34.18	34.18	34.27	0.011446	0.59	3.82	20.32	0.73
NS	882	T 100	5.58	34.08	34.20	34.20	34.30	0.011193	0.66	4.23	21.40	0.74
NS	882	T 200	6.16	34.08	34.21	34.21	34.32	0.011497	0.71	4.54	22.18	0.76
NS	882	T 500	6.98	34.08	34.23	34.23	34.34	0.011351	0.78	5.05	23.42	0.78
NS	781	T 50	4.99	24.66	24.91	24.91	24.99	0.015923	1.12	4.17	27.55	0.96
NS	781	T 100	5.58	24.66	24.94	24.94	25.01	0.014609	1.08	4.88	32.27	0.93
NS	781	T 200	6.16	24.66	24.94	24.94	25.02	0.016978	1.16	5.01	33.32	1.00
NS	781	T 500	6.98	24.66	24.97	24.97	25.04	0.014134	1.07	6.19	40.95	0.91
NS	682	T 50	4.99	20.00	18.65	18.65	18.81	0.014687		2.84	9.24	0.00
NS	682	T 100	5.58	20.00	18.68	18.68	18.85	0.014321		3.12	9.74	0.00
NS	682	T 200	6.16	20.00	18.71	18.71	18.88	0.013973		3.40	10.21	0.00
NS	682	T 500	6.98	20.00	18.74	18.74	18.92	0.014173		3.72	10.73	0.00
NS	544	T 50	4.99	13.81	12.57	12.57	12.71	0.015291		3.03	11.42	0.00
NS	544	T 100	5.58	13.81	12.60	12.60	12.74	0.014942		3.31	11.83	0.00
NS	544	T 200	6.16	13.81	12.62	12.62	12.77	0.014543		3.59	12.22	0.00
NS	544	T 500	6.98	13.81	12.65	12.65	12.81	0.013996		3.98	12.75	0.00
NS	482	T 50	4.99	12.47	11.58	11.58	11.73	0.014846		2.92	10.10	0.00
NS	482	T 100	5.58	12.47	11.60	11.60	11.76	0.014627		3.19	10.56	0.00
NS	482	T 200	6.16	12.47	11.63	11.63	11.79	0.014435		3.46	10.99	0.00
NS	482	T 500	6.98	12.47	11.66	11.66	11.83	0.014184		3.82	11.55	0.00
NS	382	T 50	4.99	8.00	8.18		8.22	0.007780	0.89	5.77	44.56	0.70
NS	382	T 100	5.58	8.00	8.21		8.24	0.005759	0.84	7.14	55.63	0.61
NS	382	T 200	6.16	8.00	8.23		8.26	0.004446	0.79	8.68	65.91	0.55
NS	382	T 500	6.98	8.00	8.28		8.30	0.002717	0.66	12.22	77.91	0.44

I BACINI DI MARINELLA

Canale

ModelloMarinella Plan: Plan 01 06/09/2014

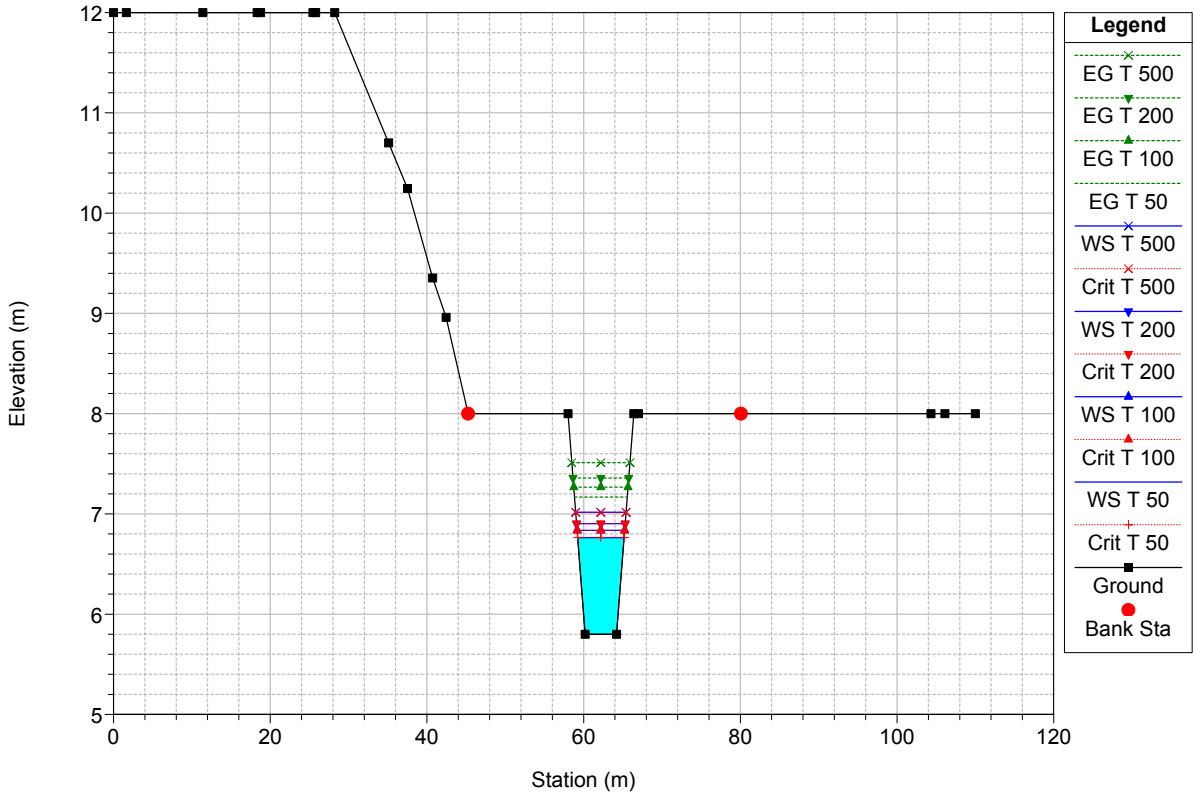
Flow: pORTATE



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

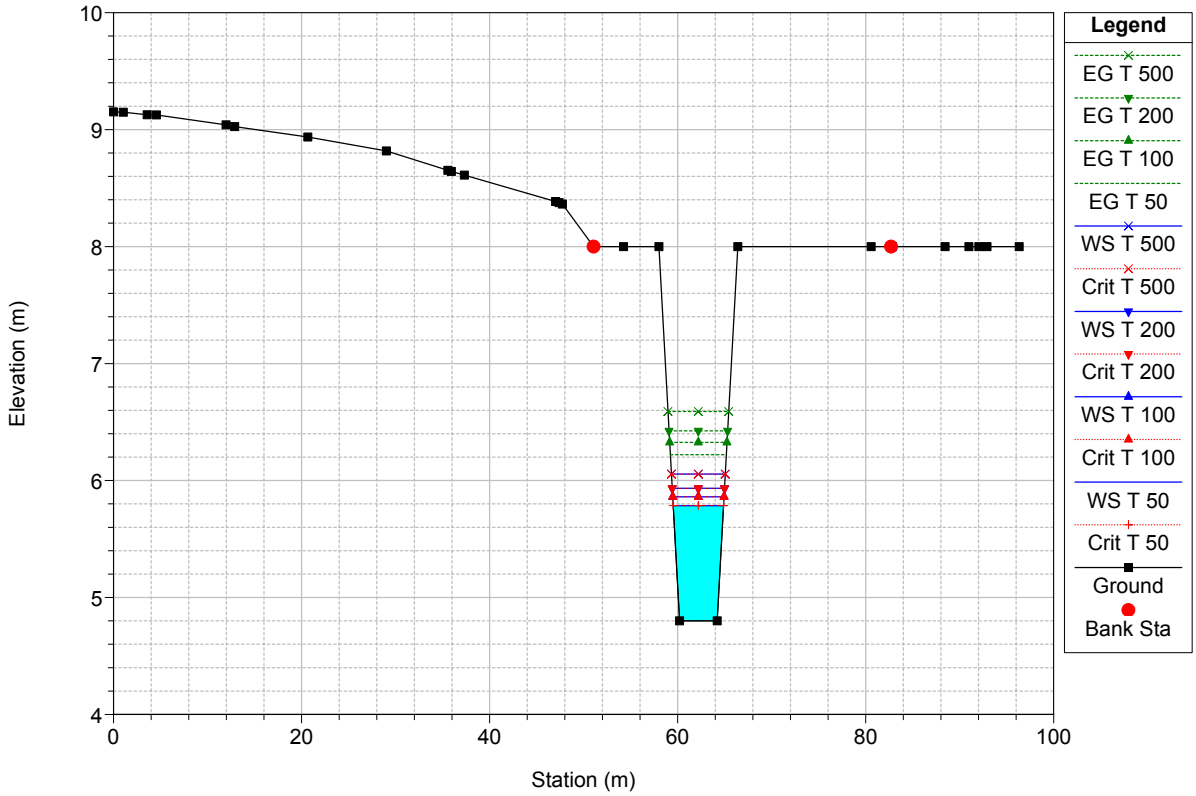
River = Canale Reach = PR_NS RS = 200



ModelloMarinella Plan: Plan 01 06/09/2014

Flow: pORTATE

River = Canale Reach = PR_NS RS = 100



HEC-RAS Plan: Plan 01 River: Canale Reach: PR_NS

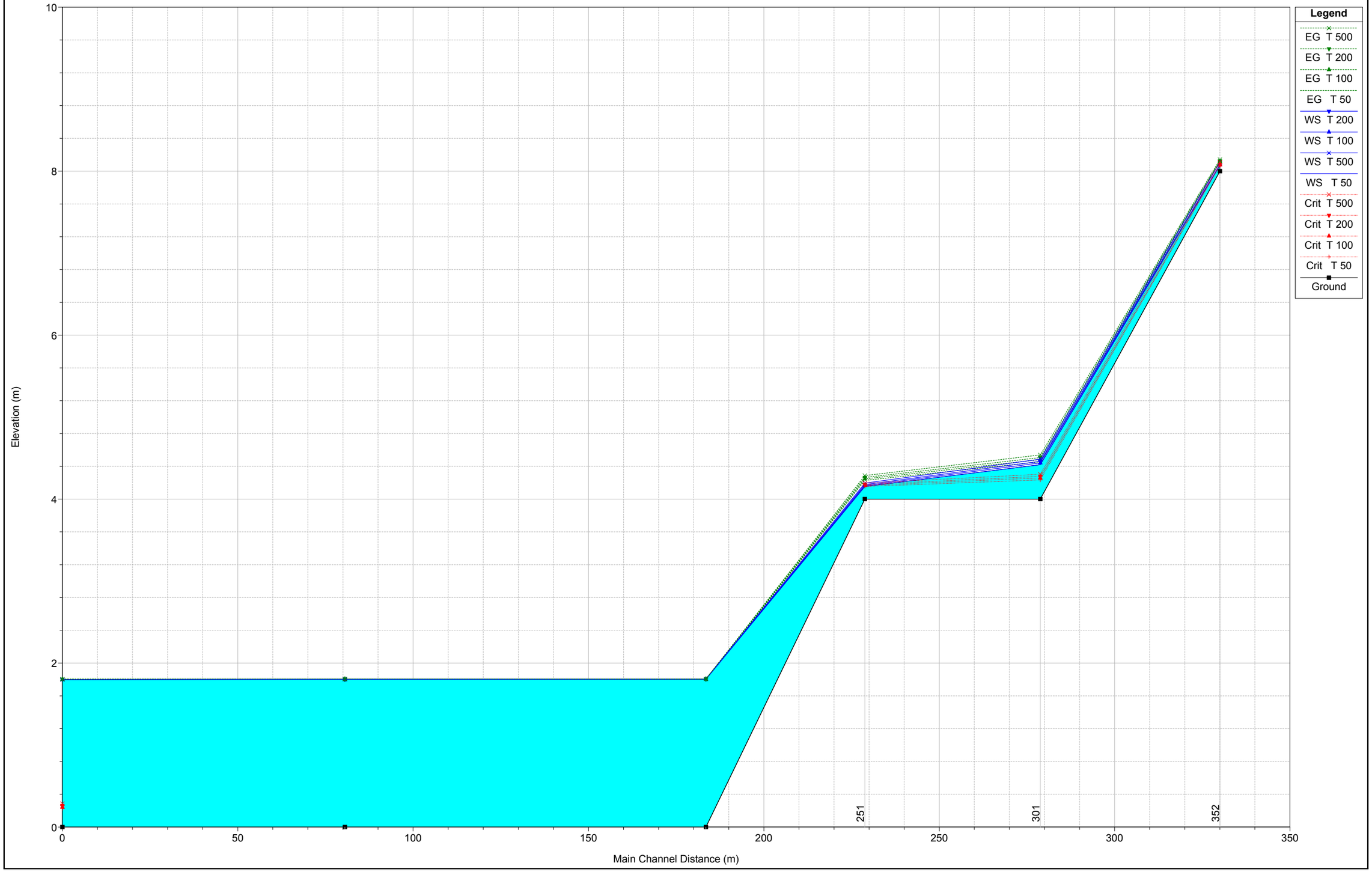
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
PR_NS	200	T 50	13.48	5.80	6.76	6.76	7.17	0.005014	2.82	4.78	5.93	1.00
PR_NS	200	T 100	15.16	5.80	6.84	6.84	7.27	0.004947	2.91	5.21	6.07	1.00
PR_NS	200	T 200	16.83	5.80	6.90	6.90	7.36	0.004890	2.99	5.63	6.21	1.00
PR_NS	200	T 500	19.78	5.80	7.02	7.02	7.51	0.004802	3.12	6.35	6.43	1.00
PR_NS	100	T 50	13.48	4.80	5.79	5.79	6.22	0.005286	2.92	4.61	5.36	1.01
PR_NS	100	T 100	15.16	4.80	5.86	5.86	6.33	0.005238	3.02	5.02	5.46	1.01
PR_NS	100	T 200	16.83	4.80	5.93	5.93	6.43	0.005185	3.11	5.41	5.56	1.01
PR_NS	100	T 500	19.78	4.80	6.06	6.06	6.59	0.005082	3.24	6.11	5.73	1.00

I BACINI DI MARINELLA

Bacino Ante-Porto

ModelloHEC Plan: Plan 01 16/09/2014

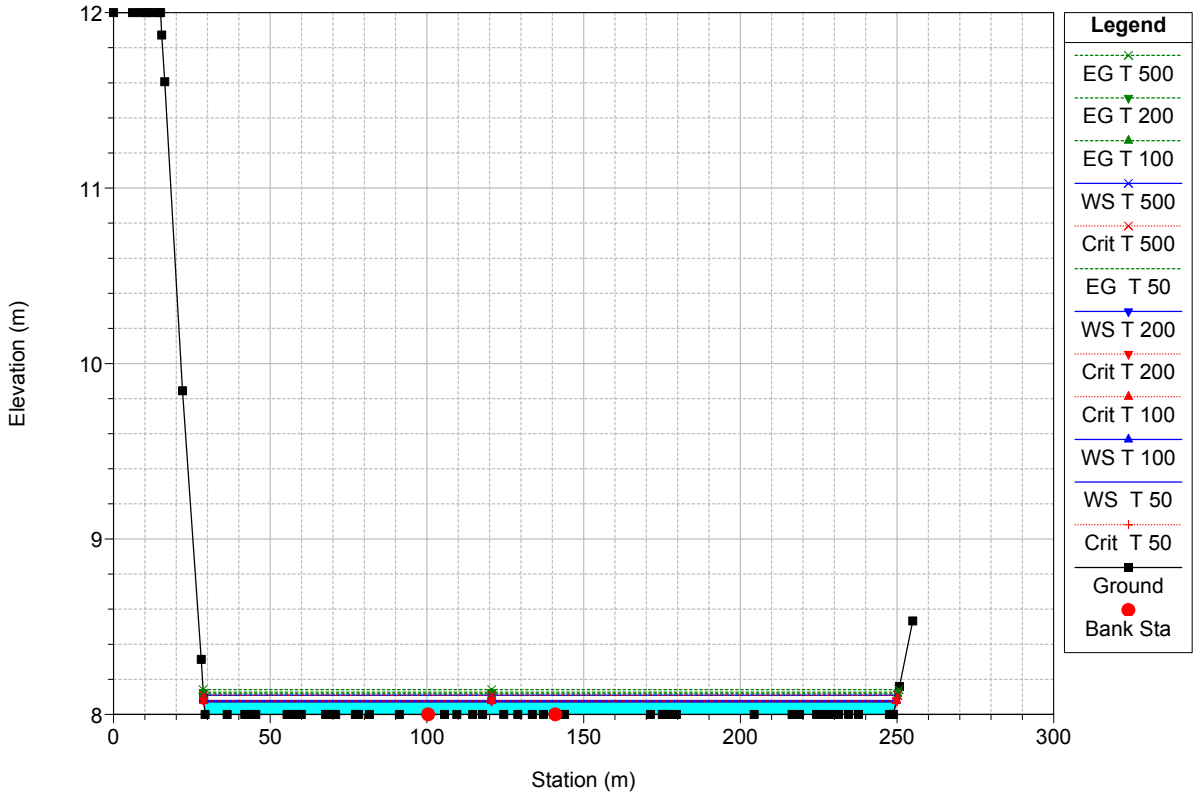
Flow: PORTATEAL PORTO



ModelloHEC Plan: Plan 01 16/09/2014

Flow: PORTATEAL PORTO

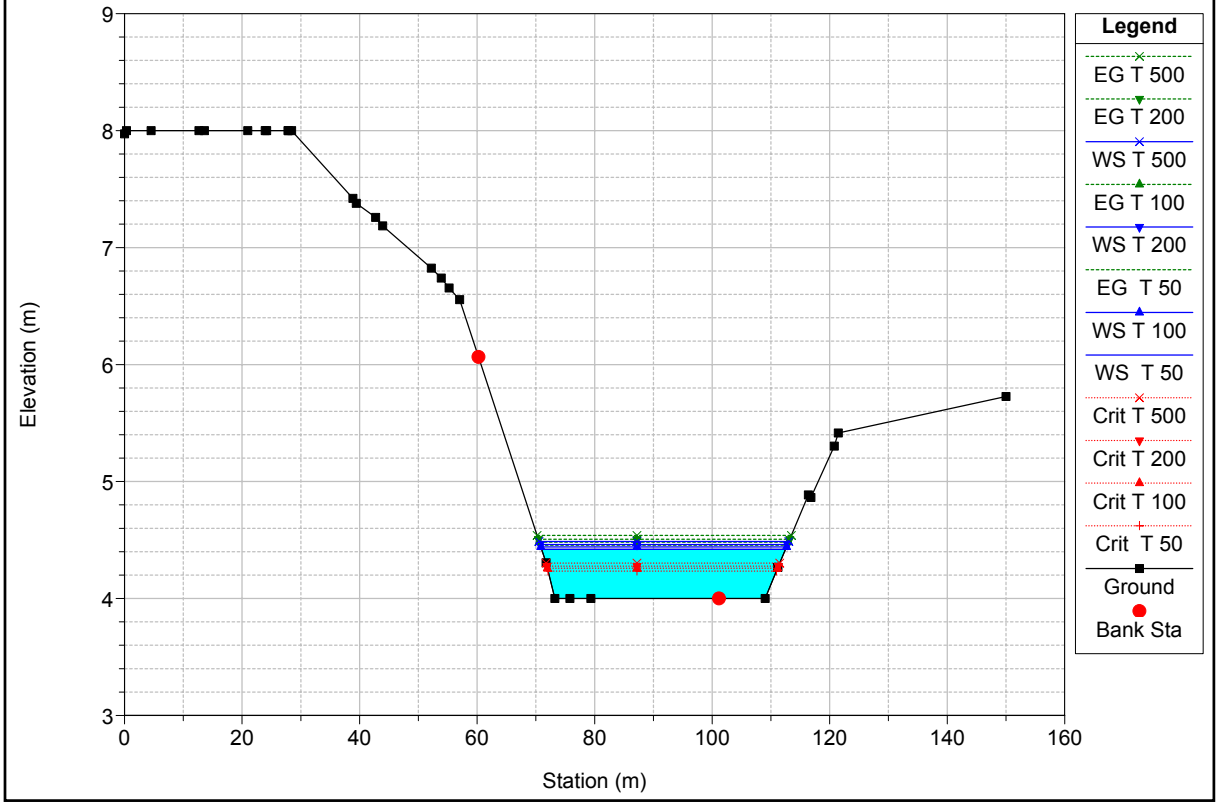
River = RioPerr Reach = rcdw RS = 352

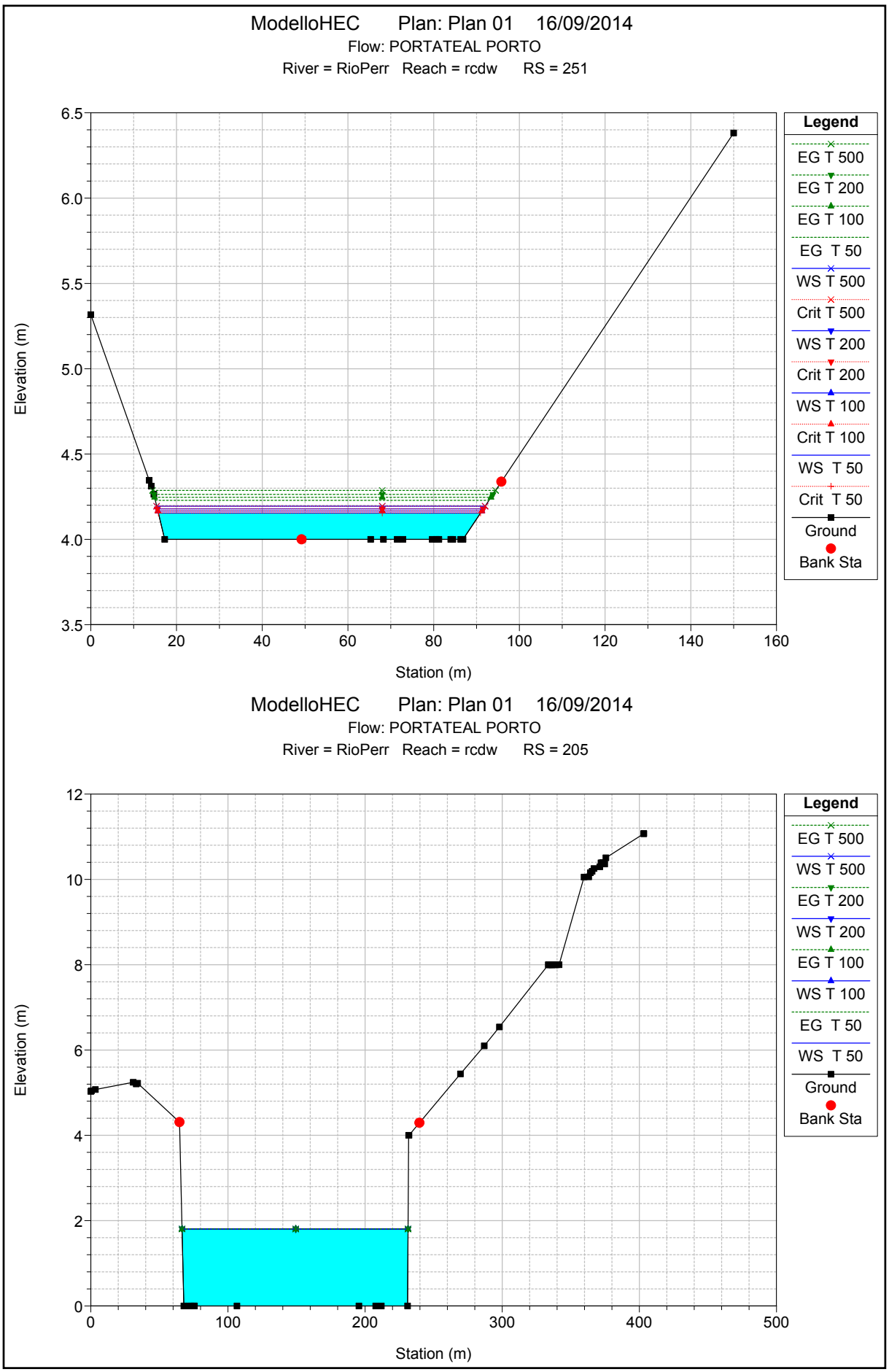


ModelloHEC Plan: Plan 01 16/09/2014

Flow: PORTATEAL PORTO

River = RioPerr Reach = rcdw RS = 301

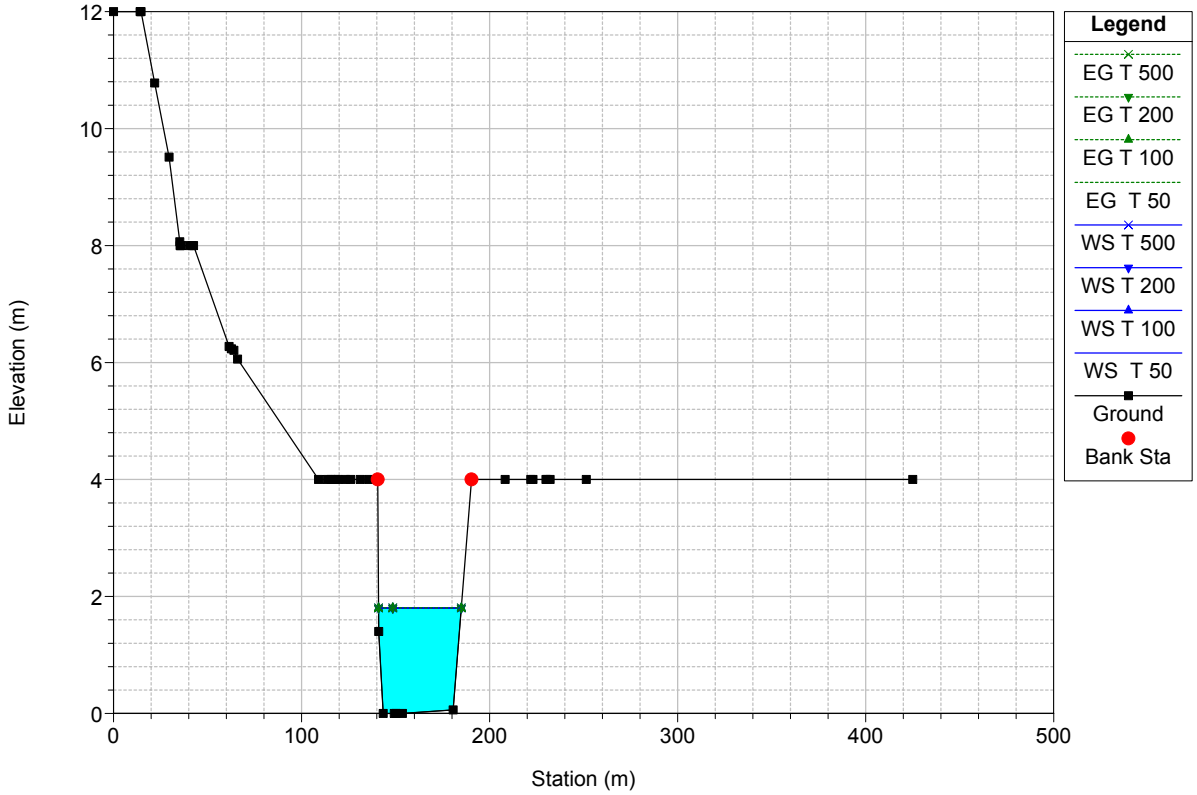



ModelloHEC Plan: Plan 01 16/09/2014
Flow: PORTATEAL PORTO
River = RioPerr Reach = rcdw RS = 251
Elevation (m)
Station (m)
Legend
EG T 500
EG T 200
EG T 100
EG T 50
WS T 500
Crit T 500
WS T 200
Crit T 200
WS T 100
Crit T 100
WS T 50
Crit T 50
Ground
Bank Sta
ModelloHEC Plan: Plan 01 16/09/2014
Flow: PORTATEAL PORTO
River = RioPerr Reach = rcdw RS = 205
Elevation (m)
Station (m)
Legend
EG T 500
WS T 500
EG T 200
WS T 200
EG T 100
WS T 100
EG T 50
WS T 50
Ground
Bank Sta

ModelloHEC Plan: Plan 01 16/09/2014

Flow: PORTATEAL PORTO

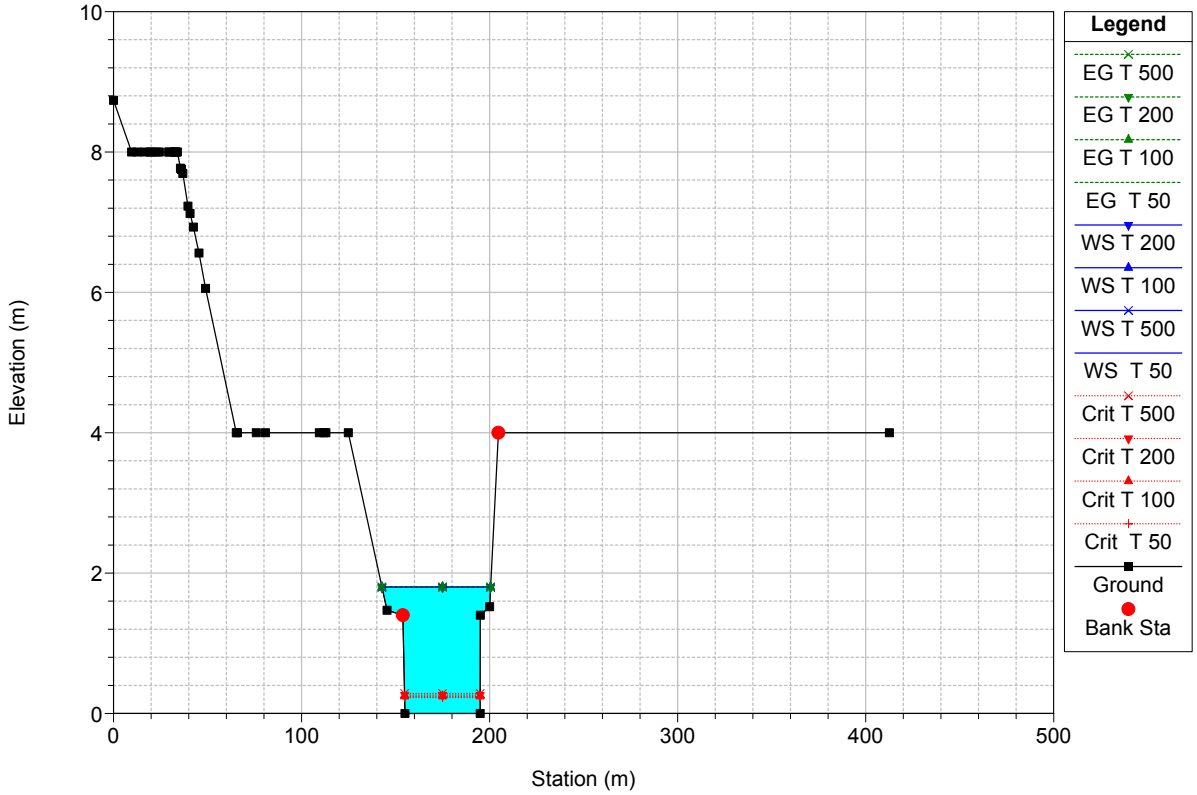
River = RioPerr Reach = rcdw RS = 102



ModelloHEC Plan: Plan 01 16/09/2014

Flow: PORTATEAL PORTO

River = RioPerr Reach = rcdw RS = 22



HEC-RAS Plan: Plan 01 River: RioPerr Reach: rcdw

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)	
rcdw	352	T 50	13.48	8.00	8.07	8.07	8.11	0.021530	0.85	15.92	220.88	1.01
rcdw	352	T 100	15.16	8.00	8.08	8.08	8.12	0.022723	0.90	16.81	220.95	1.04
rcdw	352	T 200	16.83	8.00	8.08	8.08	8.13	0.024767	0.97	17.44	221.00	1.10
rcdw	352	T 500	19.16	8.00	8.11	8.11	8.14	0.010968	0.80	24.09	221.49	0.77
rcdw	301	T 50	13.48	4.00	4.42	4.23	4.46	0.002177	0.85	16.21	41.50	0.43
rcdw	301	T 100	15.16	4.00	4.44	4.26	4.48	0.002329	0.91	17.10	41.82	0.44
rcdw	301	T 200	16.83	4.00	4.46	4.28	4.51	0.002475	0.96	17.92	42.11	0.46
rcdw	301	T 500	19.16	4.00	4.49	4.30	4.54	0.002663	1.03	19.02	42.50	0.48
rcdw	251	T 50	13.48	4.00	4.15	4.15	4.23	0.016705	1.20	11.16	75.17	1.00
rcdw	251	T 100	15.16	4.00	4.17	4.17	4.25	0.016416	1.25	12.07	75.61	1.00
rcdw	251	T 200	16.83	4.00	4.18	4.18	4.26	0.015912	1.28	13.00	76.05	1.00
rcdw	251	T 500	19.16	4.00	4.19	4.19	4.29	0.015428	1.33	14.22	76.63	1.00
rcdw	205	T 50	13.48	0.00	1.80		1.80	0.000001	0.05	295.74	164.81	0.01
rcdw	205	T 100	15.16	0.00	1.80		1.80	0.000001	0.05	295.89	164.81	0.01
rcdw	205	T 200	16.83	0.00	1.81		1.81	0.000001	0.06	296.04	164.81	0.01
rcdw	205	T 500	19.16	0.00	1.81		1.81	0.000002	0.06	296.28	164.81	0.02
rcdw	102	T 50	13.48	0.00	1.80		1.80	0.000016	0.19	72.66	44.01	0.05
rcdw	102	T 100	15.16	0.00	1.80		1.80	0.000021	0.21	72.68	44.02	0.05
rcdw	102	T 200	16.83	0.00	1.80		1.80	0.000026	0.23	72.69	44.02	0.06
rcdw	102	T 500	19.16	0.00	1.80		1.81	0.000033	0.26	72.72	44.02	0.07
rcdw	22	T 50	13.48	0.00	1.80	0.23	1.80	0.000016	0.18	78.61	57.80	0.04
rcdw	22	T 100	15.16	0.00	1.80	0.24	1.80	0.000020	0.20	78.61	57.80	0.05
rcdw	22	T 200	16.83	0.00	1.80	0.26	1.80	0.000025	0.22	78.61	57.80	0.06
rcdw	22	T 500	19.16	0.00	1.80	0.29	1.80	0.000032	0.25	78.61	57.80	0.06