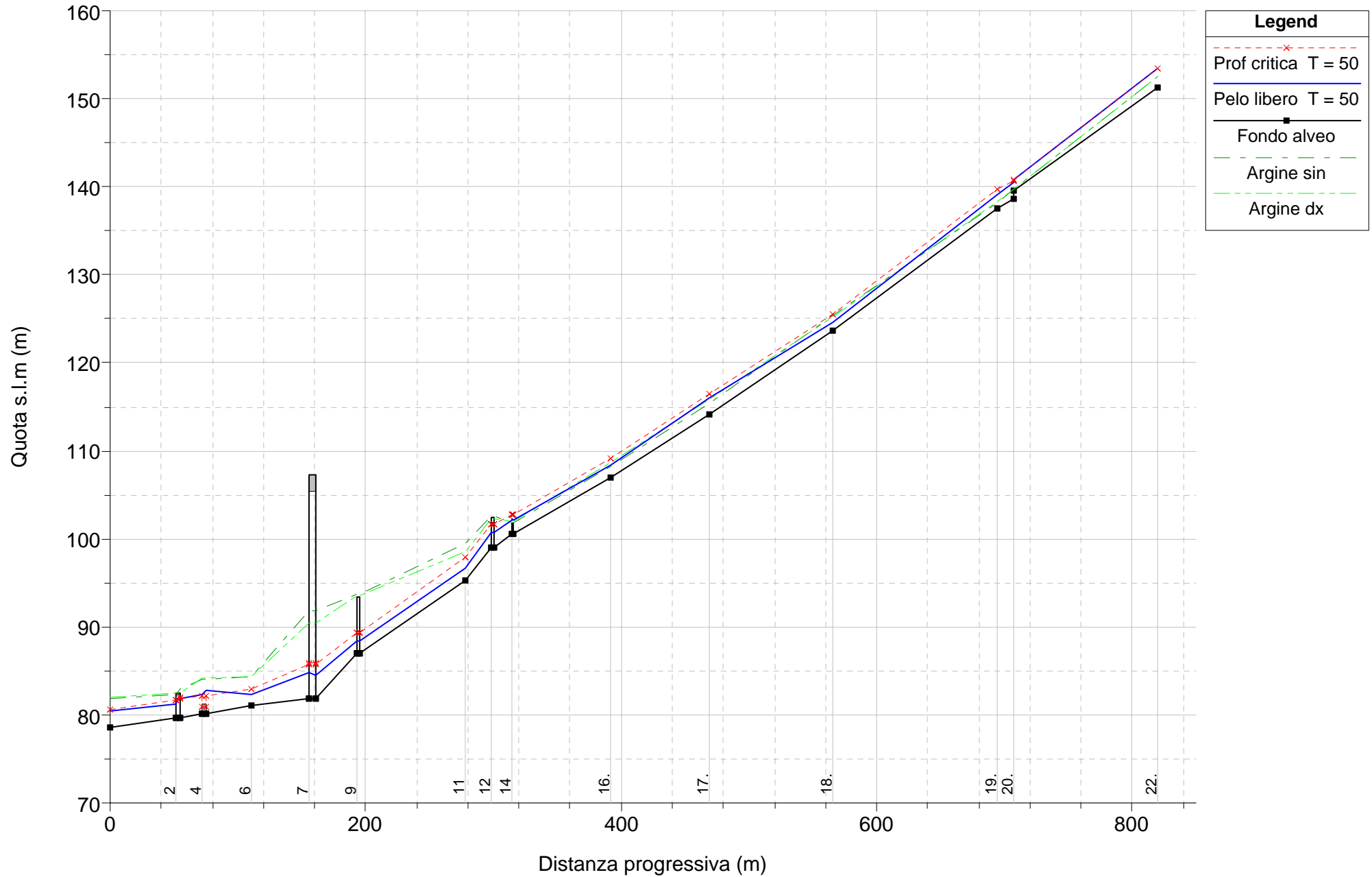


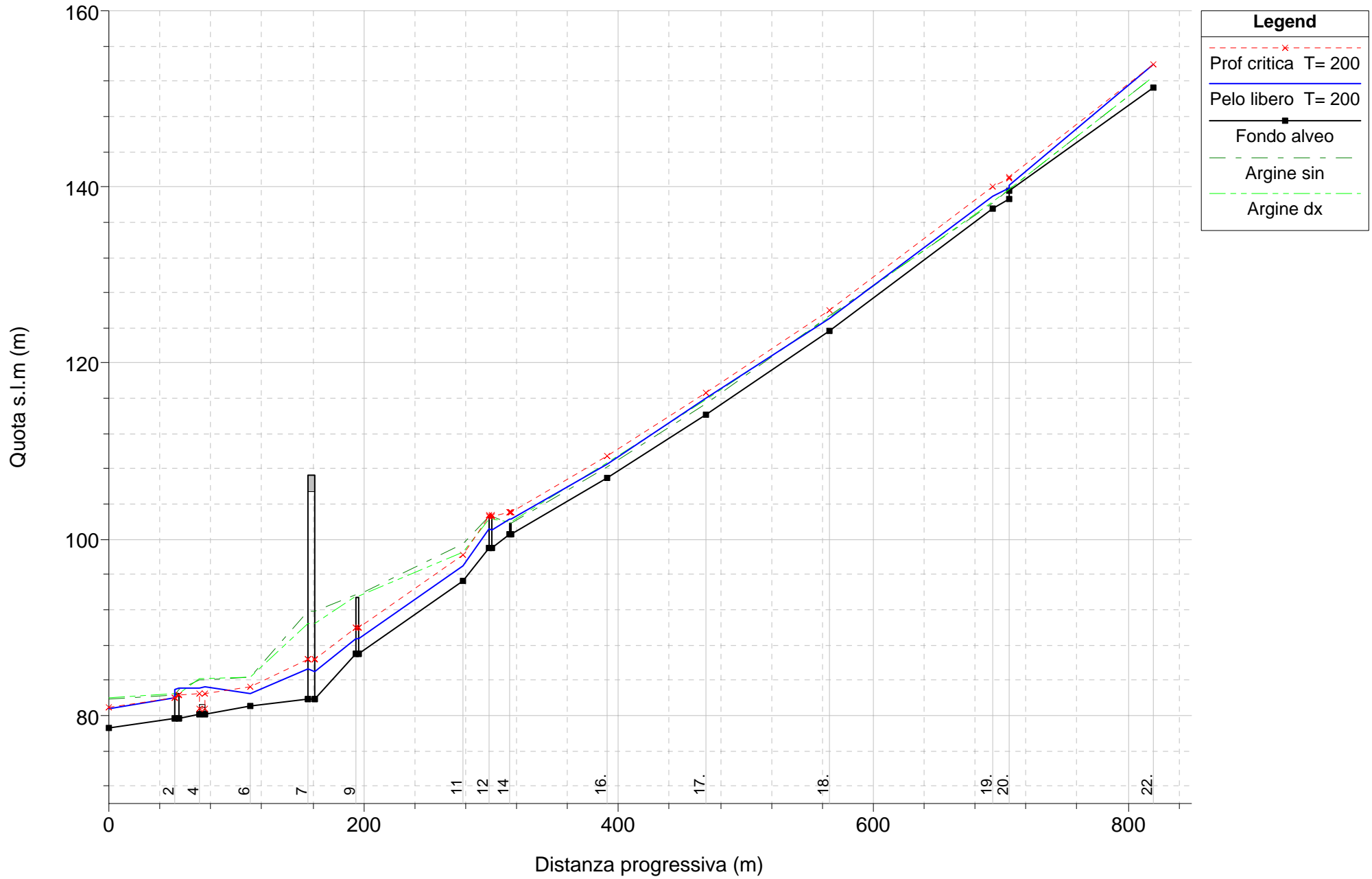
**PROFILI DI RIGURGITO IN CONDIZIONI DI MOTO
PERMANENTE PER LE PORTATE T=50, 200, 500 ANNI**

RIO FOSSATO

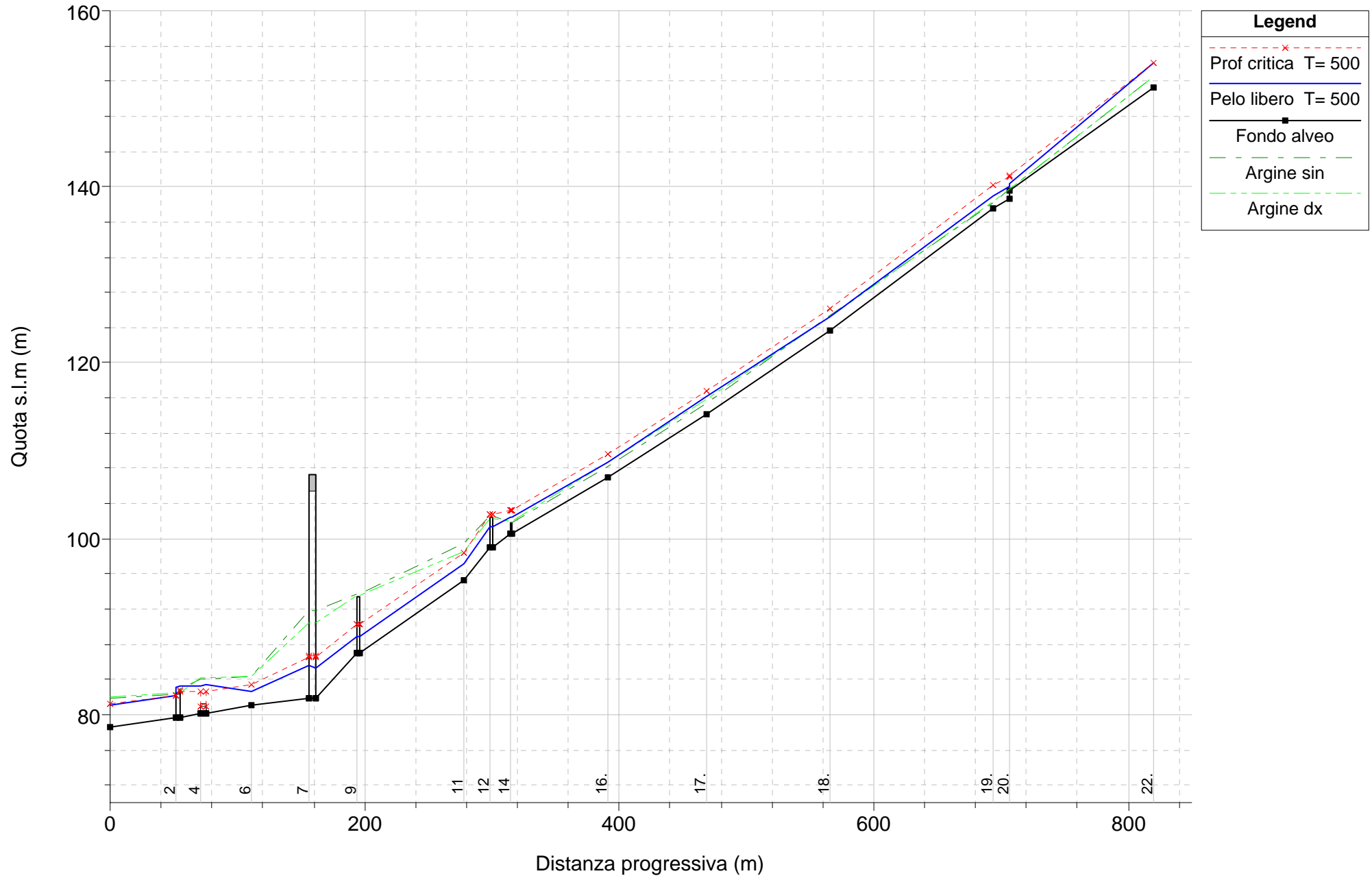
Rio Fossato – profilo longitudinale di moto permanente T=50 anni



Rio Fossato – profilo longitudinale di moto permanente T=200 anni



Rio Fossato – profilo longitudinale di moto permanente T=500 anni



**GEOMETRIA DELLE SEZIONI ED ALTEZZA DEL PELO
LIBERO IN CONDIZIONI DI MOTO PERMANENTE
PER LE PORTATE T=50, 200, 500 ANNI**

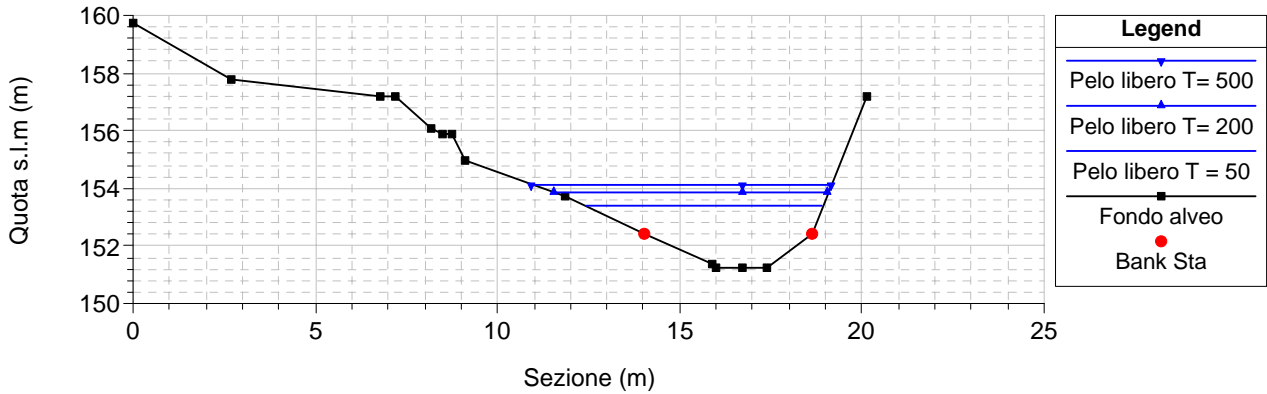
RIO FOSSATO

DALLA SEZ. 22
ALLA SEZ. 1

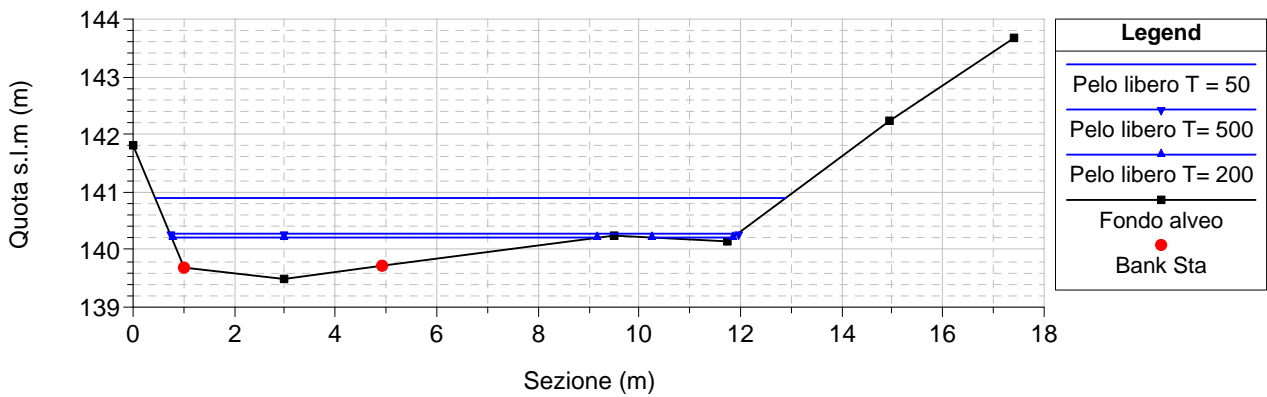
RIO FOSSATO

Sezioni trasversali

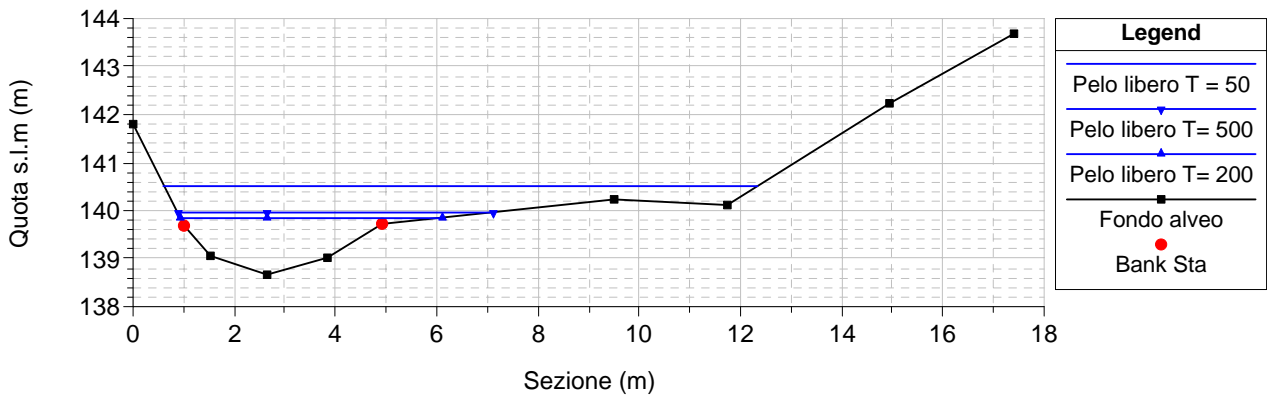
RS = 22.



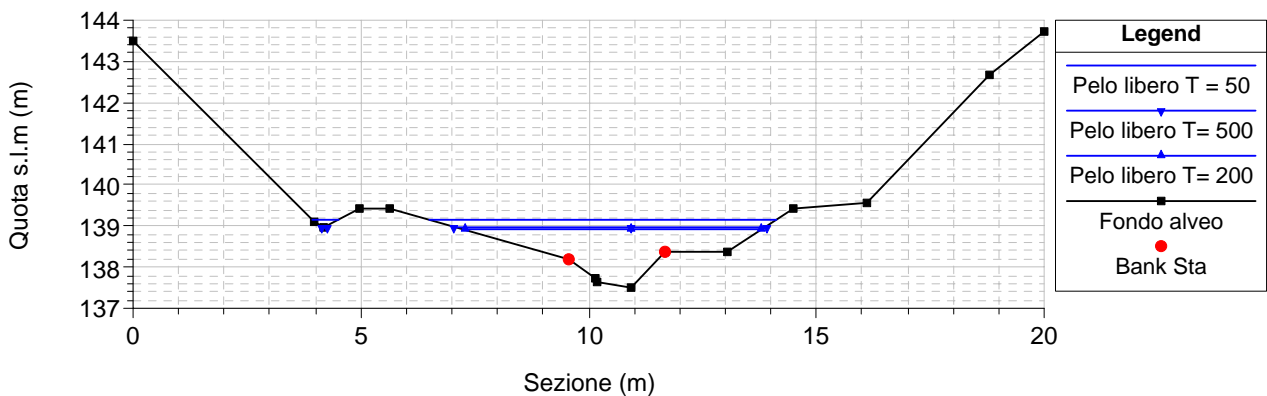
RS = 21.



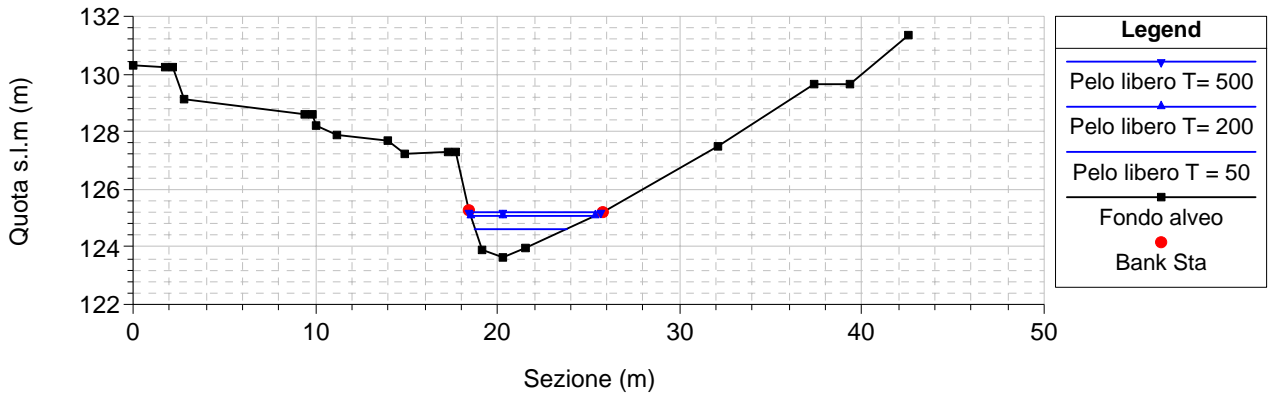
RS = 20.



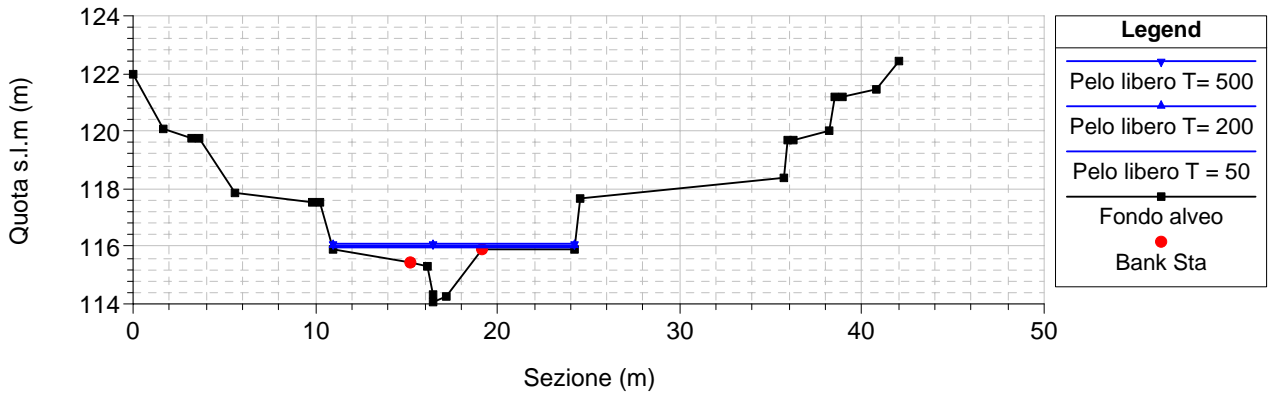
RS = 19.



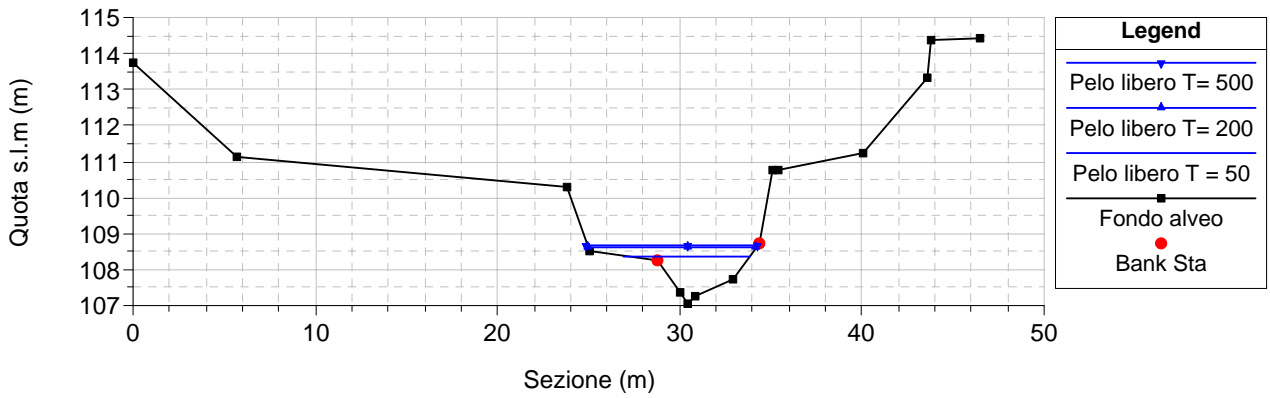
RS = 18.



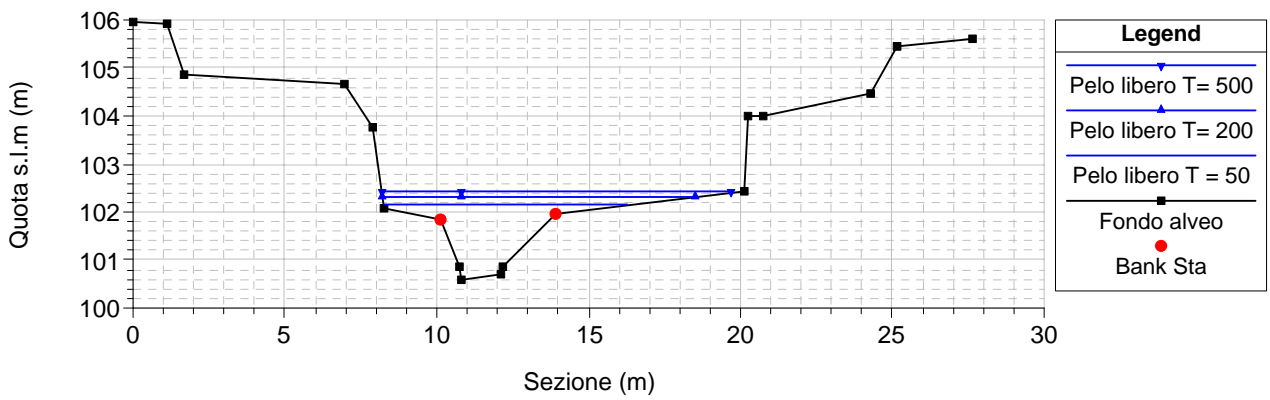
RS = 17.



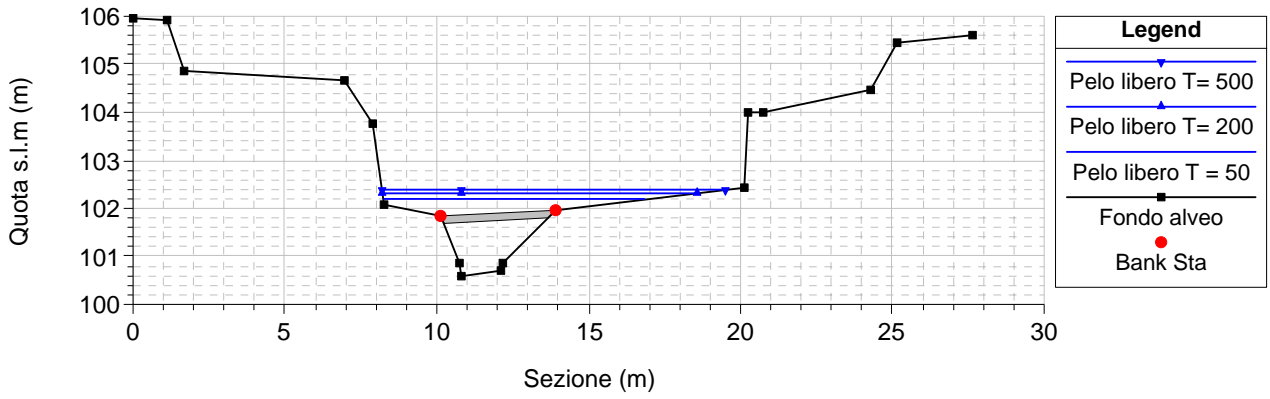
RS = 16.



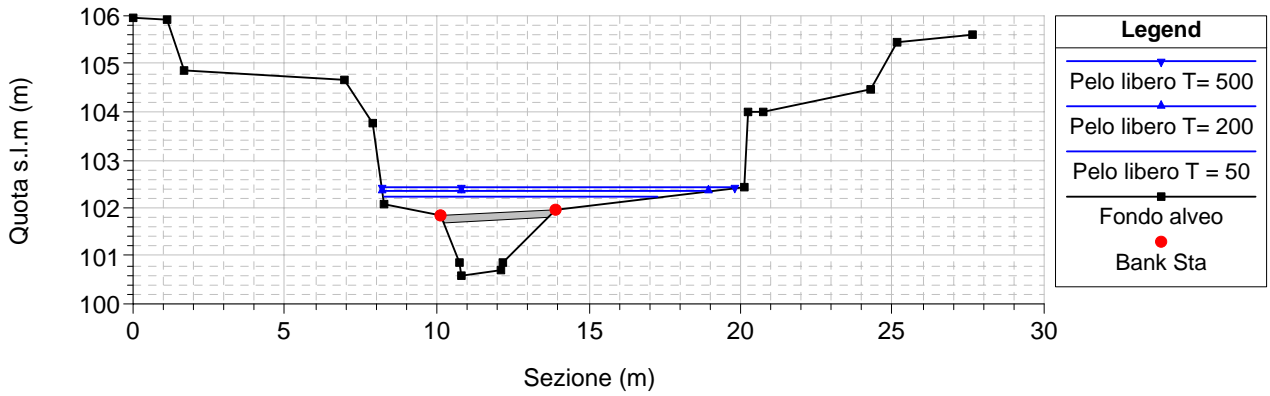
RS = 15.



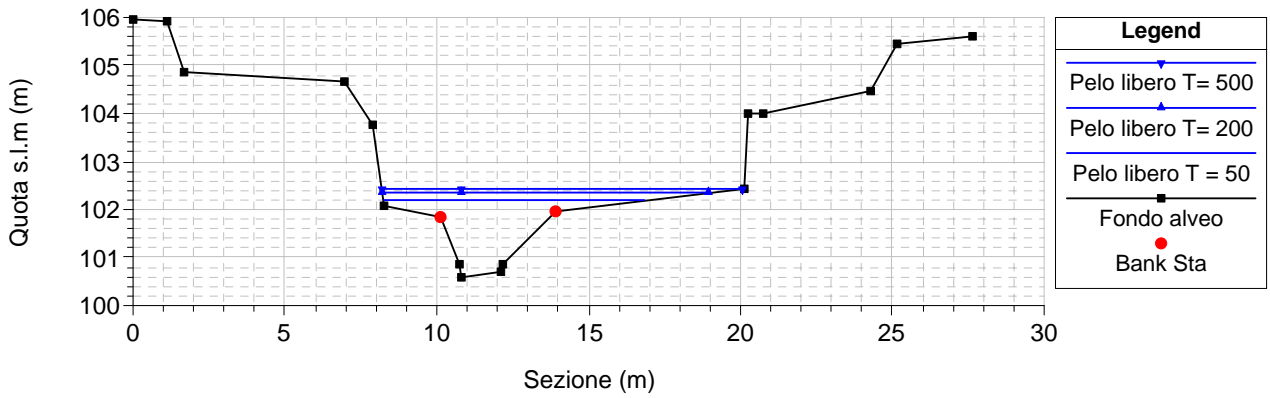
RS = 14.5 BR



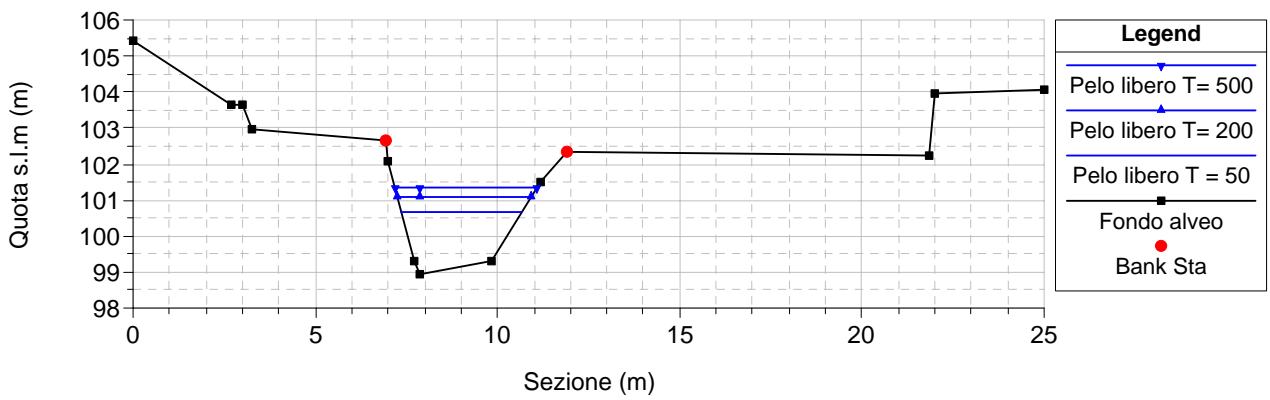
RS = 14.5 BR



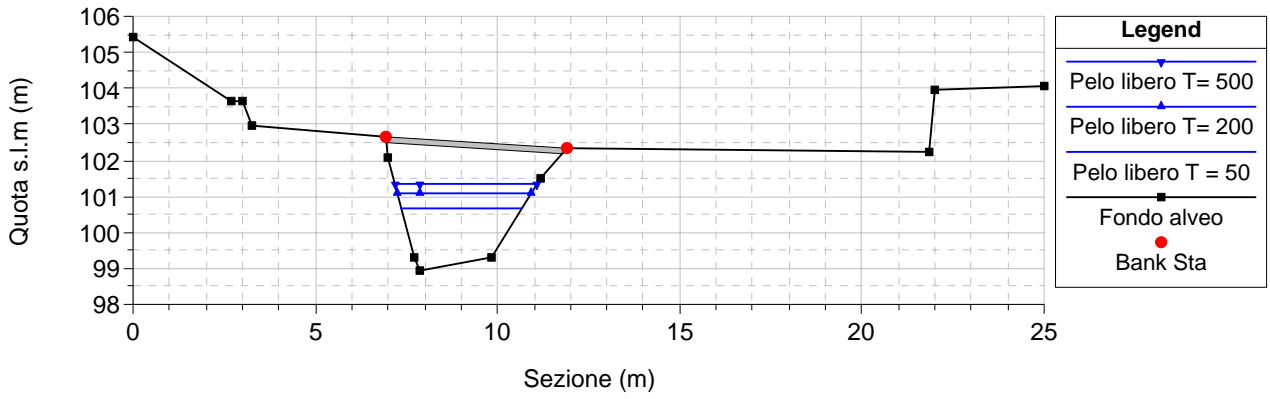
RS = 14



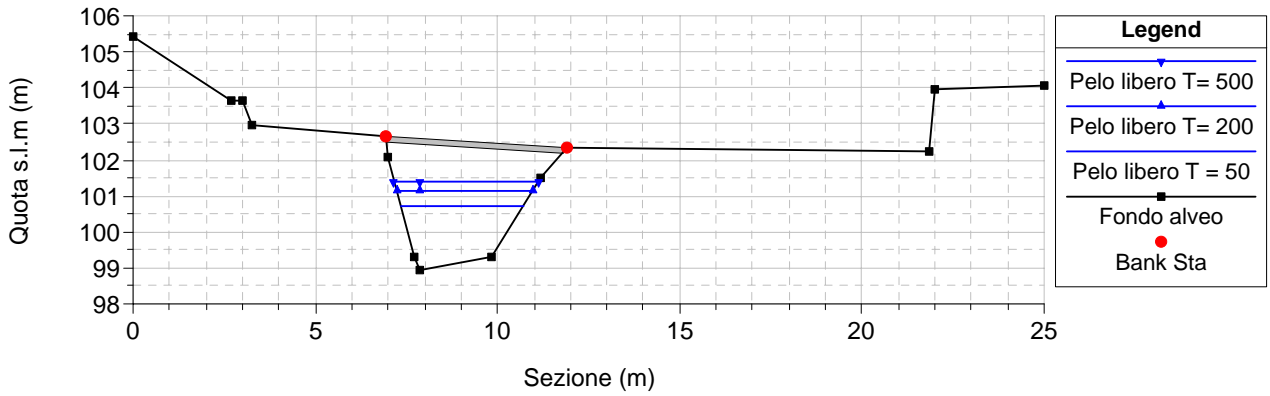
RS = 13



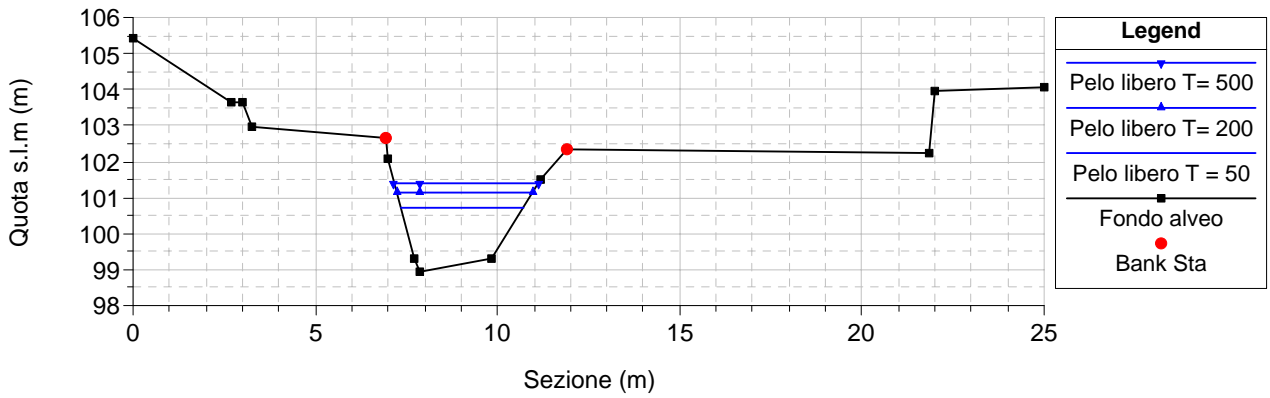
RS = 12.5 BR



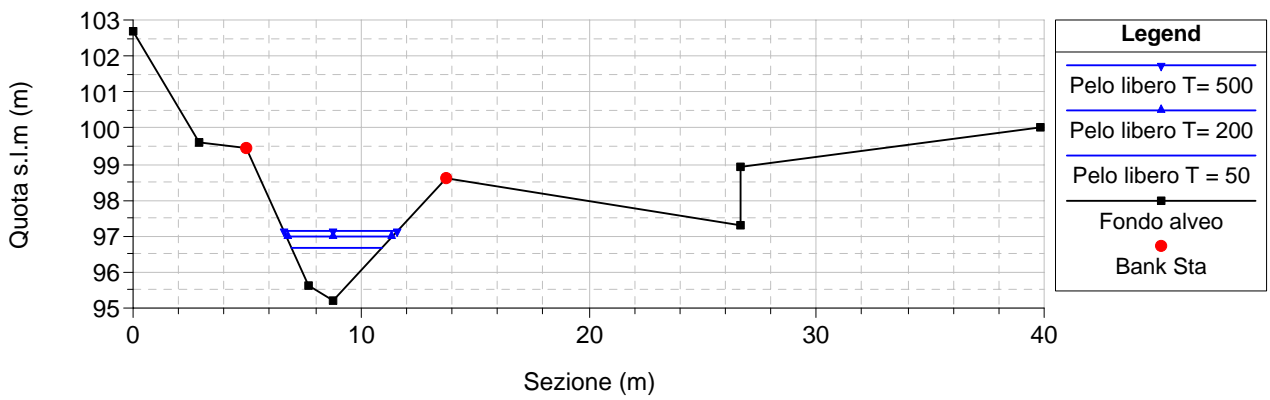
RS = 12.5 BR



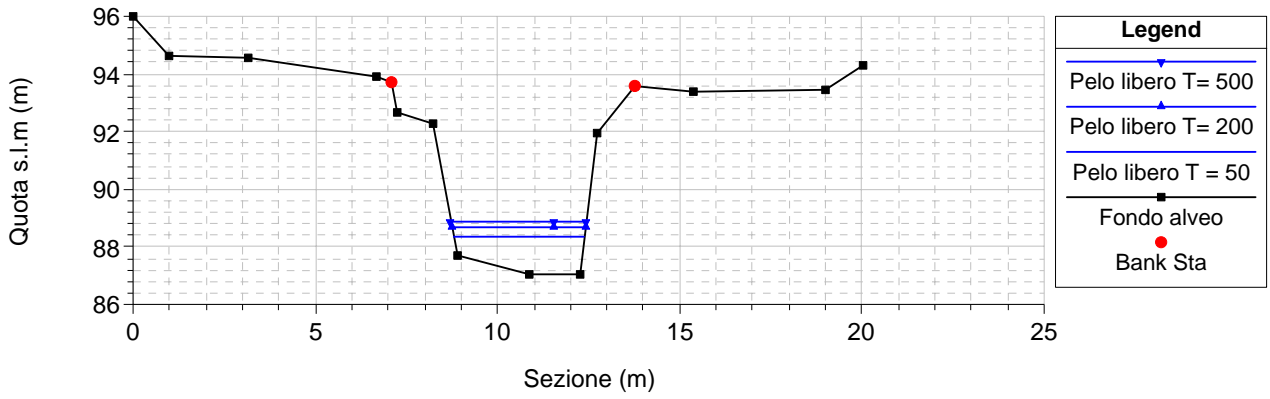
RS = 12



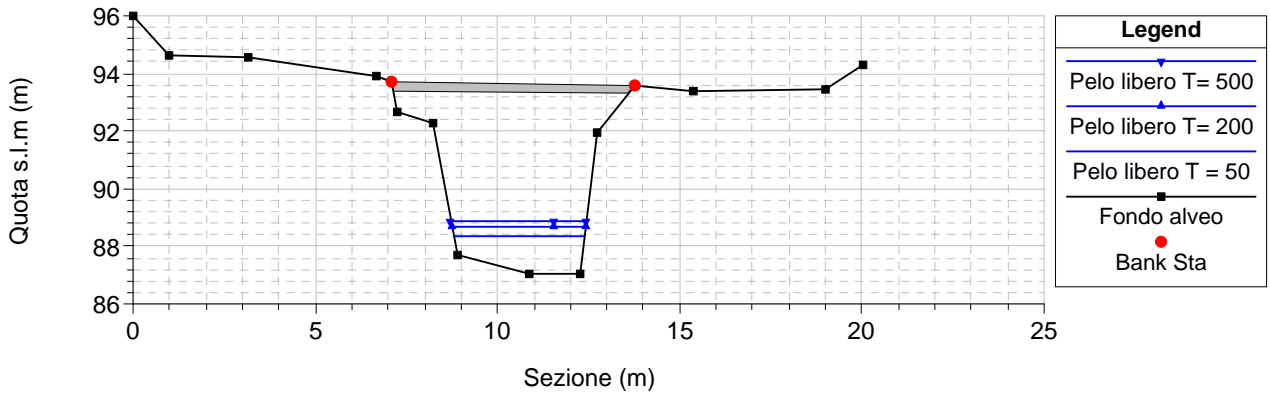
RS = 11



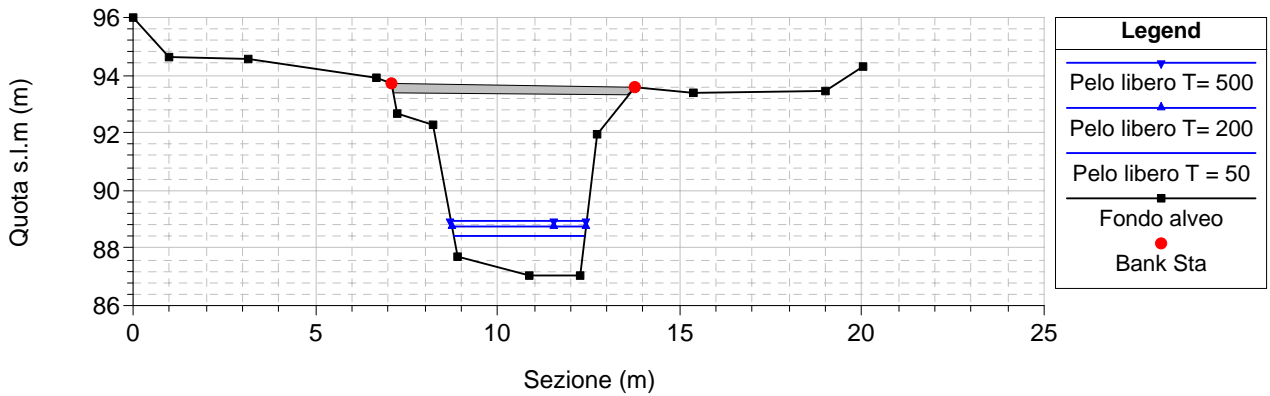
RS = 10



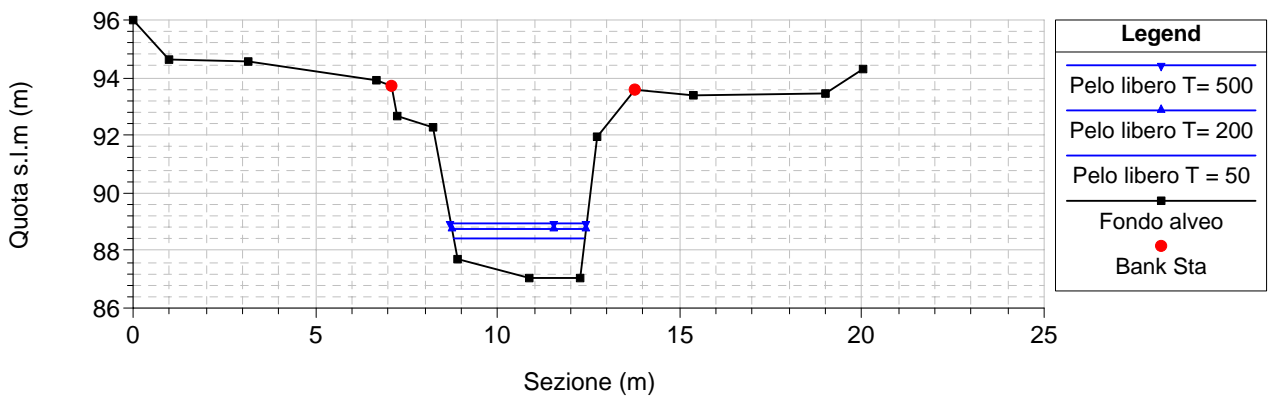
RS = 9.5 BR



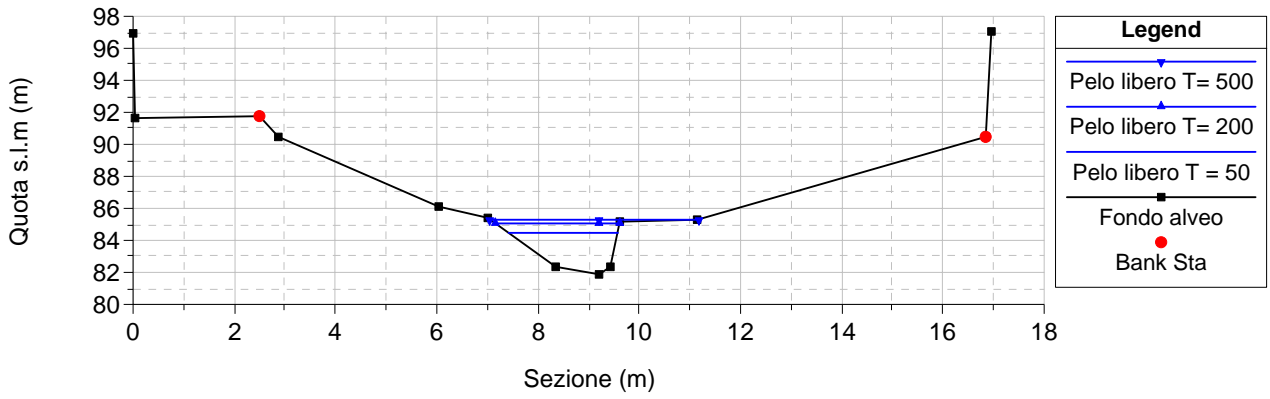
RS = 9.5 BR



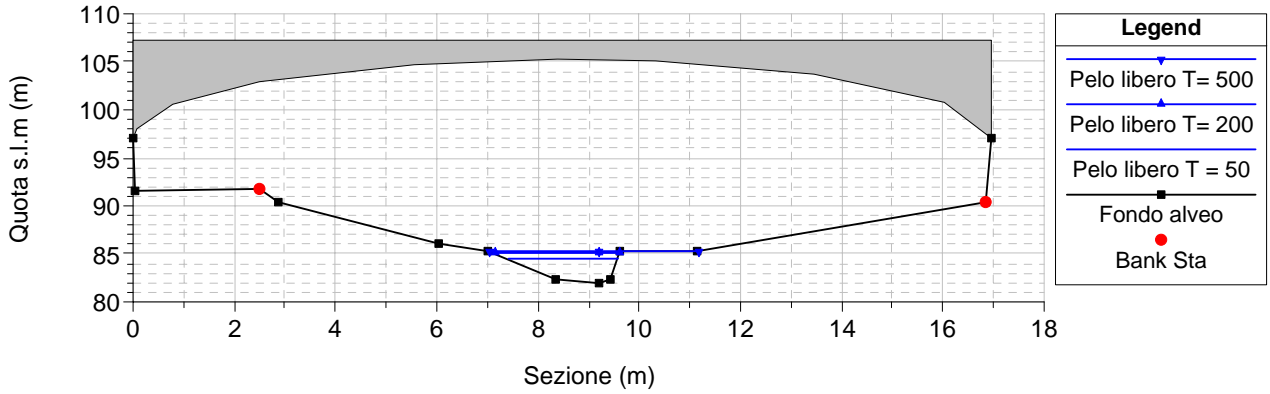
RS = 9



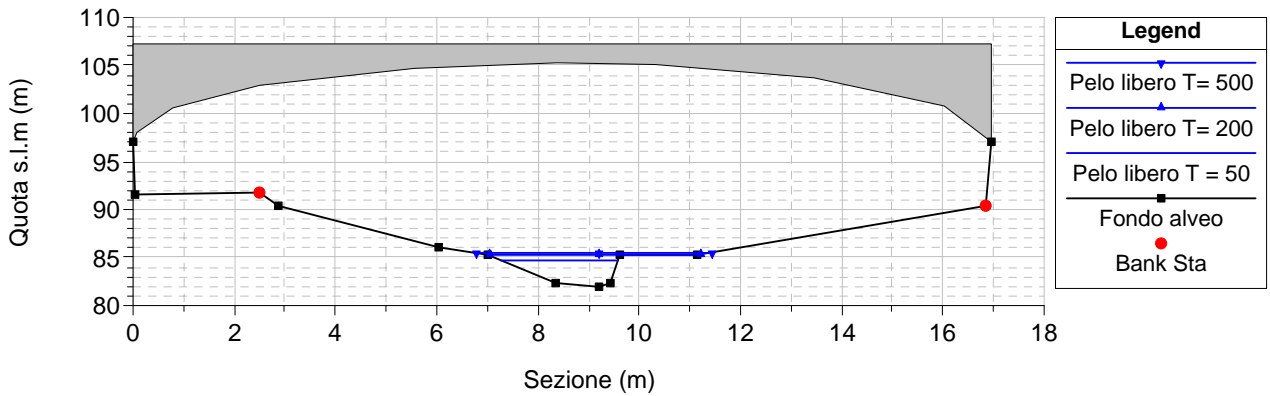
RS = 8



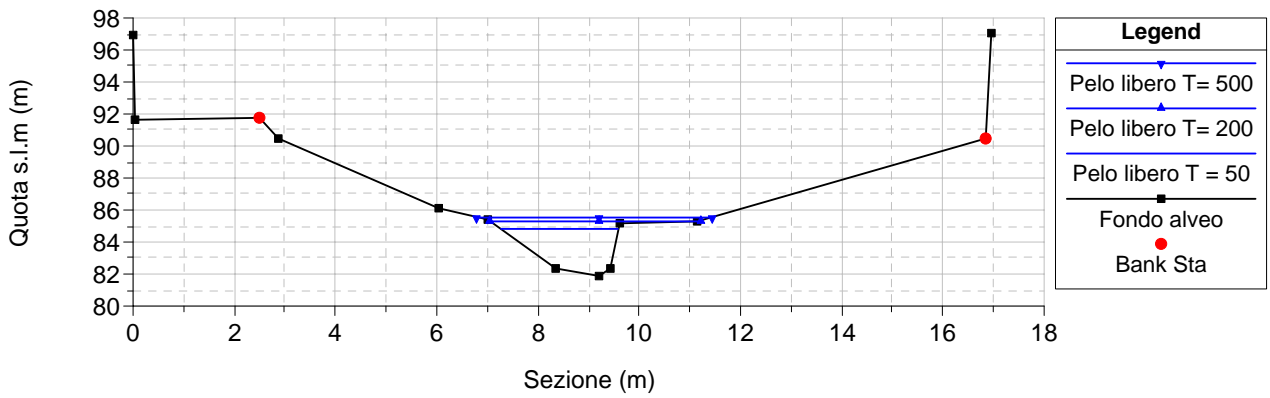
RS = 7.5 BR



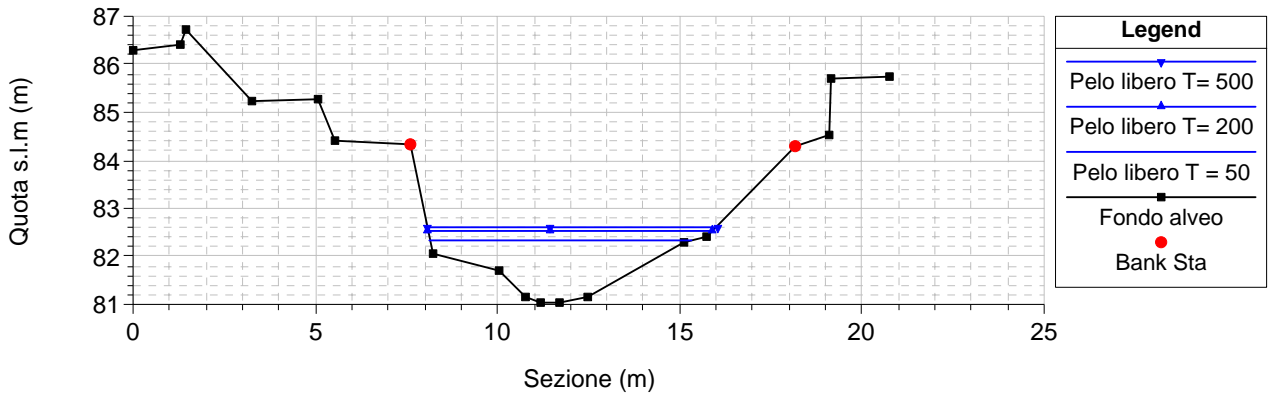
RS = 7.5 BR



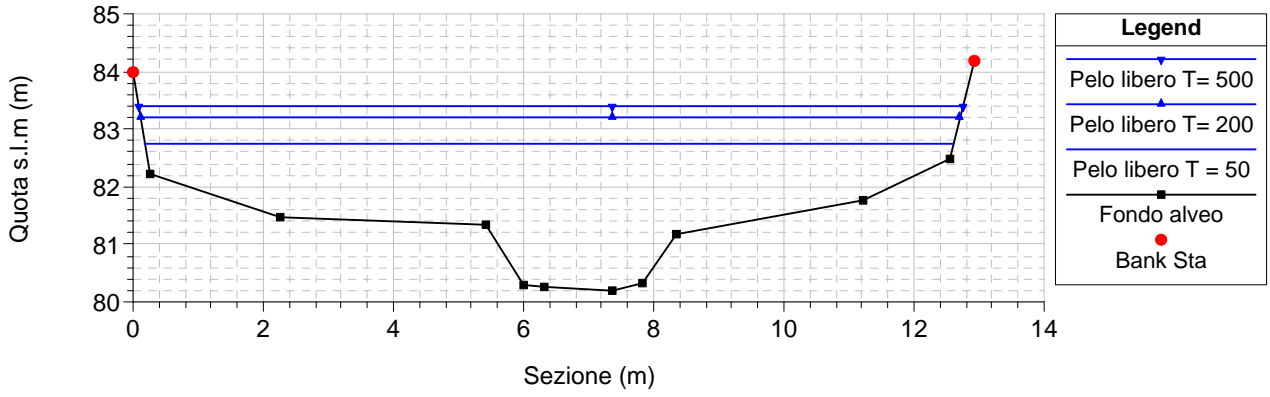
RS = 7



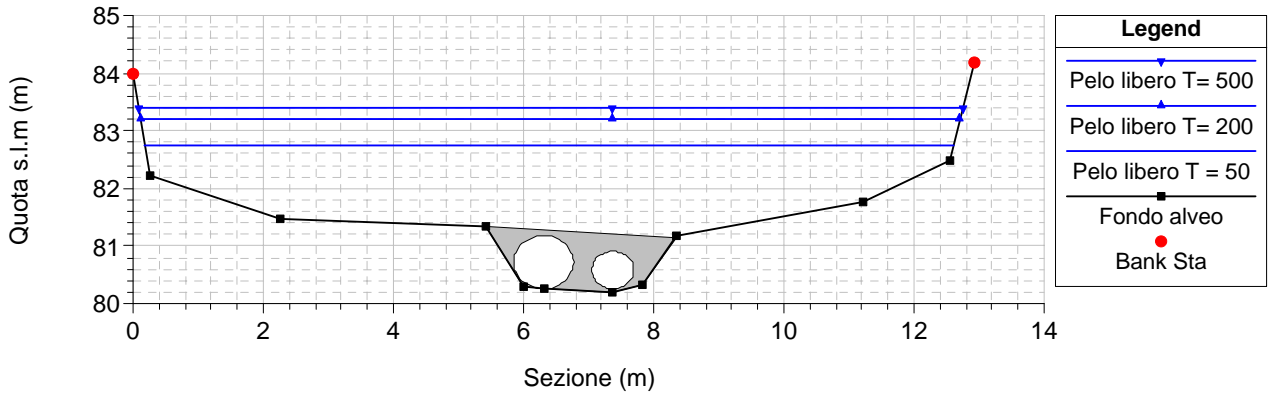
RS = 6



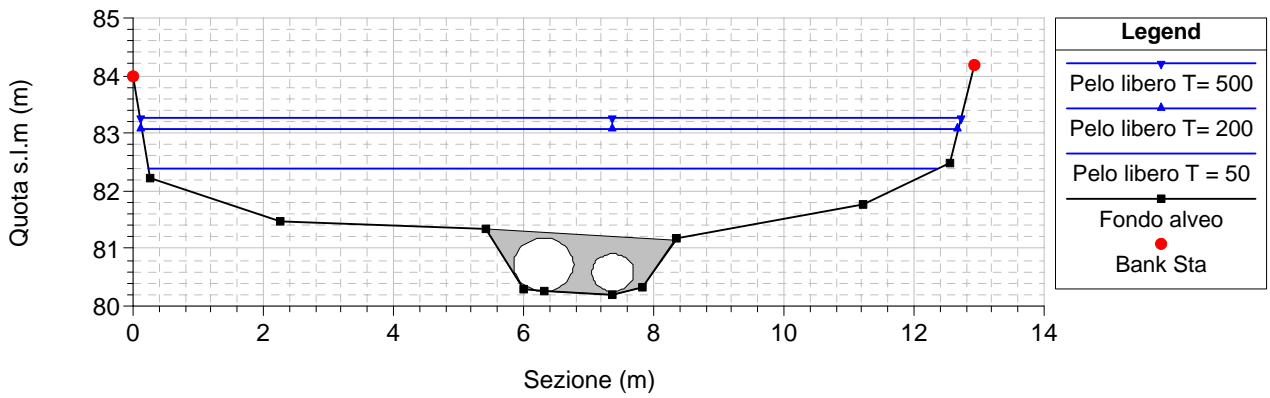
RS = 5



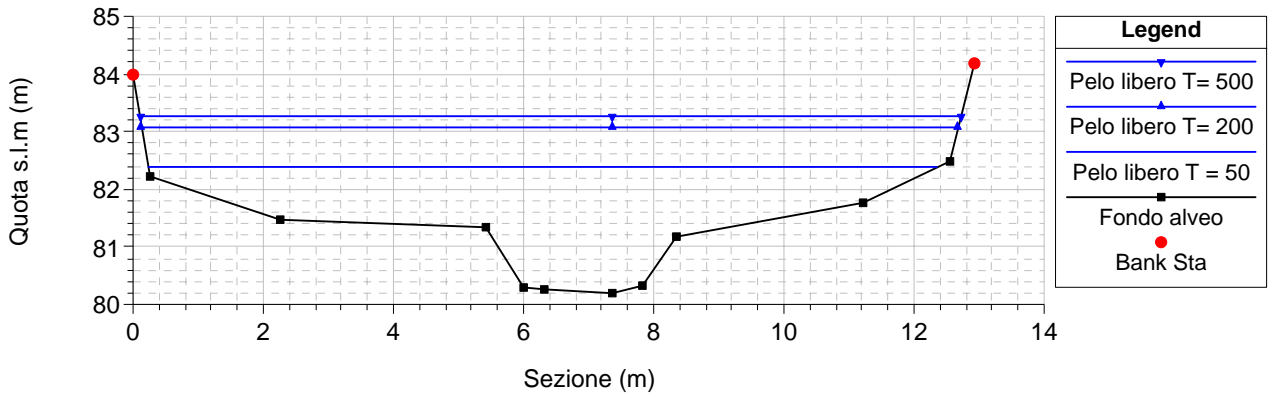
RS = 4.5 Culv



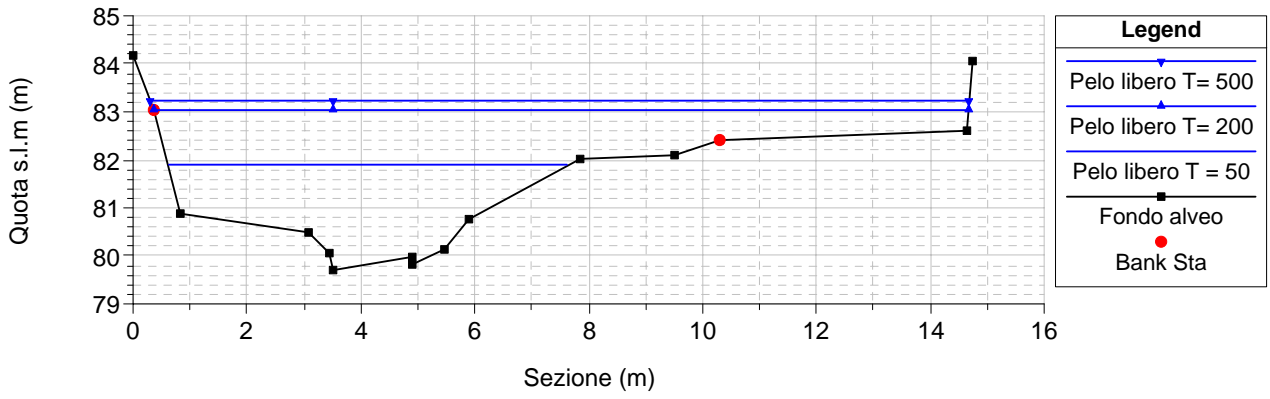
RS = 4.5 Culv



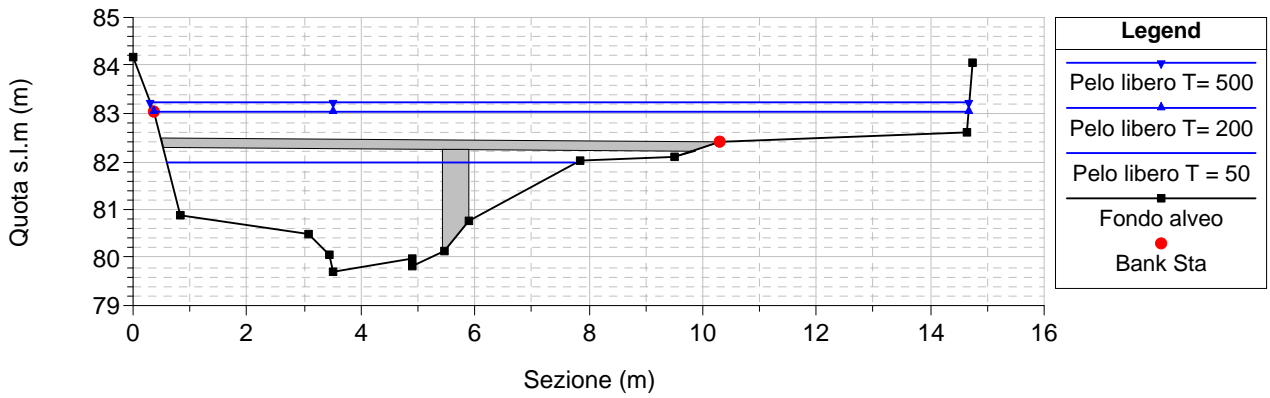
RS = 4



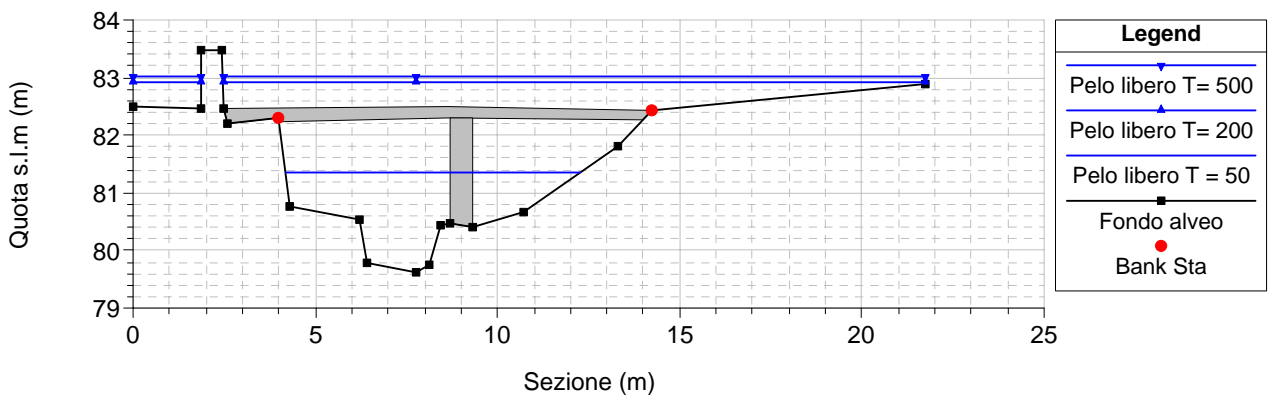
RS = 3



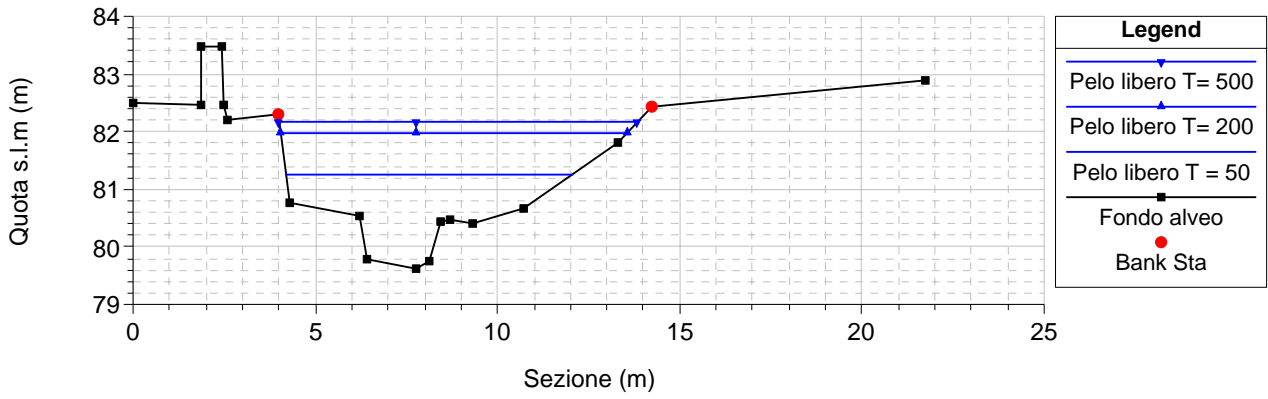
RS = 2.5 BR



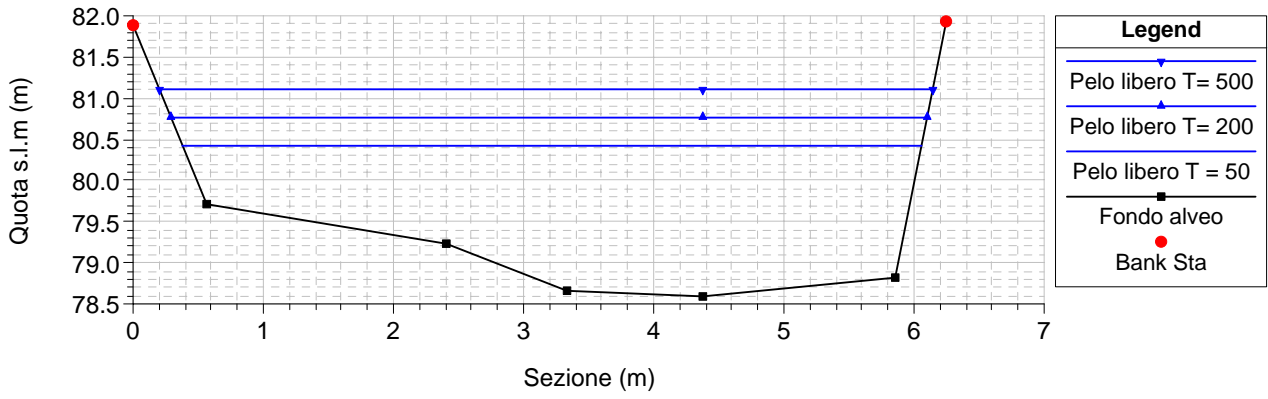
RS = 2.5 BR



RS = 2



RS = 1



**MODELLAZIONE IDRAULICA IN CONDIZIONI DI MOTO
PERMANENTE:
TABELLE DELLE GRANDEZZE IDRAULICHE SIGNIFICATIVE
PER LE PORTATE T=50, 200, 500 ANNI**

RIO FOSSATO

Rio Fossato T=50 anni

Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
22	32	151.23	152.44	152.45	153.41	153.41	154.14	3.61	8.87	0.99
21	32	139.50	139.69	139.72	140.88	140.88	141.33	2.79	11.47	0.93
20	32	138.66	139.69	139.72	140.53	140.74	141.30	3.45	9.29	1.24
19	32	137.51	138.21	138.35	139.15	139.73	140.95	5.47	5.85	2.07
18	32	123.62	125.30	125.20	124.63	125.57	130.60	10.83	2.96	4.53
17	32	114.08	115.46	115.88	115.95	116.44	118.30	6.12	5.23	3.10
16	32	107.04	108.27	108.73	108.38	109.09	111.85	8.09	3.96	3.42
15	32	100.60	101.85	101.95	102.14	102.80	105.22	7.26	4.41	3.12
14.5	Bridge									
14	32	100.60	101.85	101.95	102.18	102.80	104.86	6.68	4.79	2.85
13	32	98.95	102.67	102.32	100.66	101.61	103.86	7.92	4.04	2.29
12.5	Bridge									
12	32	98.95	102.67	102.32	100.72	101.61	103.64	7.58	4.22	2.16
11	32	95.23	99.44	98.60	96.69	97.85	101.49	9.71	3.30	3.40
10	32	87.06	93.71	93.61	88.36	89.31	91.89	8.33	3.84	2.57
9.5	Bridge									
9	32	87.06	93.71	93.61	88.41	89.31	91.63	7.94	4.03	2.40
8	32	81.89	91.82	90.48	84.45	85.83	88.37	8.76	3.65	2.14
7.5	Bridge									
7	32	81.89	91.82	90.48	84.79	85.83	87.48	7.25	4.41	1.68
6	32	81.05	84.33	84.29	82.32	82.88	84.30	6.25	5.12	2.36
5	32	80.21	83.97	84.18	82.76	82.20	82.93	1.83	17.47	0.49
4.5	Culvert									
4	32	80.21	83.97	84.18	82.37	82.20	82.69	2.52	12.71	0.78
3	32	79.70	83.02	82.41	81.88	81.88	82.53	3.56	8.98	1.01
2.5	Bridge									
2	32	79.62	82.29	82.43	81.25	81.64	82.49	4.92	6.51	1.72
1	32	78.59	81.87	81.94	80.42	80.53	81.29	4.13	7.75	1.13

Rio Fossato T=200 anni

Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
22	47	151.23	152.44	152.45	153.88	153.88	154.75	3.87	12.13	0.97
21	47	139.50	139.69	139.72	140.20	141.15	151.33	13.44	3.50	7.26
20	47	138.66	139.69	139.72	139.85	141.01	151.30	14.71	3.20	5.97
19	47	137.51	138.21	138.35	138.90	139.99	147.00	11.58	4.06	4.67
18	47	123.62	125.30	125.20	125.07	125.95	128.62	8.35	5.63	2.94
17	47	114.08	115.46	115.88	116.03	116.69	119.55	7.42	6.33	3.43
16	47	107.04	108.27	108.73	108.60	109.39	112.38	8.12	5.79	3.27
15	47	100.60	101.85	101.95	102.32	103.06	106.09	7.71	6.09	3.20
14.5	Bridge									
14	47	100.60	101.85	101.95	102.36	103.06	105.73	7.27	6.47	2.99
13	47	98.95	102.67	102.32	101.10	102.65	104.74	8.46	5.56	2.20
12.5	Bridge									
12	47	98.95	102.67	102.32	101.15	102.65	104.54	8.15	5.76	2.10
11	47	95.23	99.44	98.60	96.97	98.24	102.48	10.39	4.52	3.34
10	47	87.06	93.71	93.61	88.69	89.89	93.13	9.34	5.03	2.55
9.5	Bridge									
9	47	87.06	93.71	93.61	88.74	89.89	92.86	8.99	5.23	2.41
8	47	81.89	91.82	90.48	85.04	86.36	89.56	9.43	4.99	2.10
7.5	Bridge									
7	47	81.89	91.82	90.48	85.35	86.36	88.58	7.96	5.90	2.14
6	47	81.05	84.33	84.29	82.52	83.23	85.03	7.01	6.70	2.42
5	47	80.21	83.97	84.18	83.20	82.48	83.41	2.04	23.04	0.48
4.5	Culvert									
4	47	80.21	83.97	84.18	83.09	82.47	83.33	2.18	21.58	0.53
3	47	79.70	83.02	82.41	83.03	82.34	83.29	2.14	21.93	0.55
2.5	Bridge									
2	47	79.62	82.29	82.43	81.98	81.98	82.66	3.67	12.80	1.01
1	47	78.59	81.87	81.94	80.77	80.98	81.96	4.84	9.72	1.19

Rio Fossato T=500 anni

Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
22	56	151.23	152.44	152.45	154.14	154.14	155.07	3.95	14.19	0.96
21	56	139.50	139.69	139.72	140.27	141.30	151.78	13.17	4.25	6.83
20	56	138.66	139.69	139.72	139.97	141.16	151.75	14.54	3.85	5.90
19	56	137.51	138.21	138.35	138.99	140.12	147.75	12.08	4.64	4.74
18	56	123.62	125.30	125.20	125.18	126.15	129.11	8.78	6.38	2.99
17	56	114.08	115.46	115.88	116.10	116.81	119.85	7.72	7.26	3.33
16	56	107.04	108.27	108.73	108.70	109.56	112.71	8.38	6.68	3.18
15	56	100.60	101.85	101.95	102.41	103.20	106.45	7.89	7.09	3.20
14.5	Bridge									
14	56	100.60	101.85	101.95	102.45	103.20	106.09	7.47	7.50	3.00
13	56	98.95	102.67	102.32	101.34	102.81	105.13	8.62	6.50	2.14
12.5	Bridge									
12	56	98.95	102.67	102.32	101.40	102.79	104.94	8.33	6.72	2.04
11	56	95.23	99.44	98.60	97.13	98.40	102.95	10.69	5.24	3.31
10	56	87.06	93.71	93.61	88.87	90.21	93.78	9.81	5.71	2.53
9.5	Bridge									
9	56	87.06	93.71	93.61	88.93	90.20	93.50	9.47	5.91	2.40
8	56	81.89	91.82	90.48	85.34	86.61	89.97	9.53	5.88	2.56
7.5	Bridge									
7	56	81.89	91.82	90.48	85.56	86.60	89.00	8.21	6.82	2.16
6	56	81.05	84.33	84.29	82.62	83.42	85.49	7.51	7.46	2.48
5	56	80.21	83.97	84.18	83.40	82.62	83.65	2.19	25.59	0.49
4.5	Culvert									
4	56	80.21	83.97	84.18	83.27	82.62	83.55	2.35	23.86	0.54
3	56	79.70	83.02	82.41	83.22	82.58	83.51	2.27	24.64	0.55
2.5	Bridge									
2	56	79.62	82.29	82.43	82.16	82.16	82.91	3.84	14.57	1.01
1	56	78.59	81.87	81.94	81.11	81.22	82.27	4.76	11.76	1.08