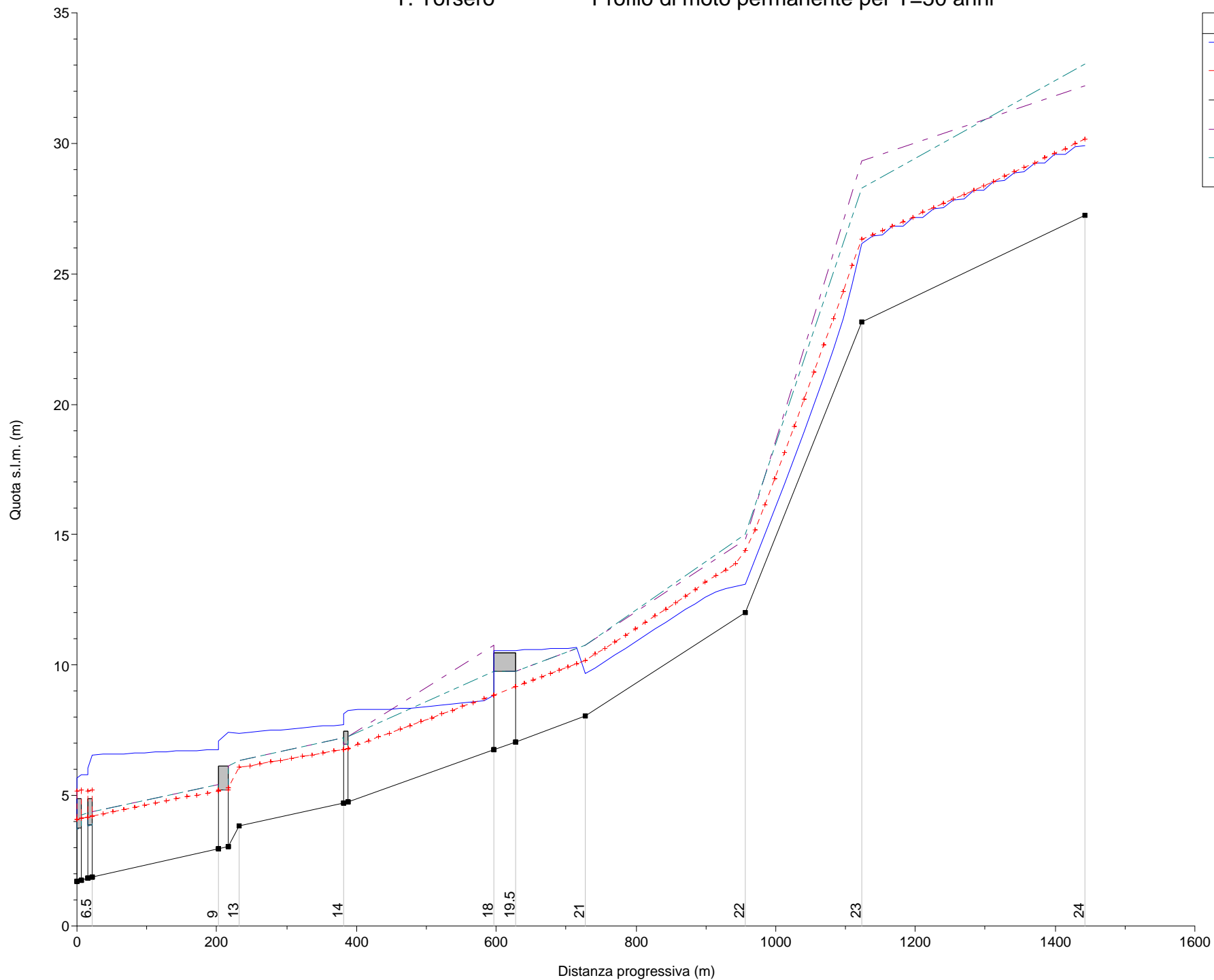


**PROFILI DI RIGURGITO IN CONDIZIONI DI MOTO
PERMANENTE PER LE PORTATE T=50, 200, 500 ANNI**

TORSERO

T. Torsero

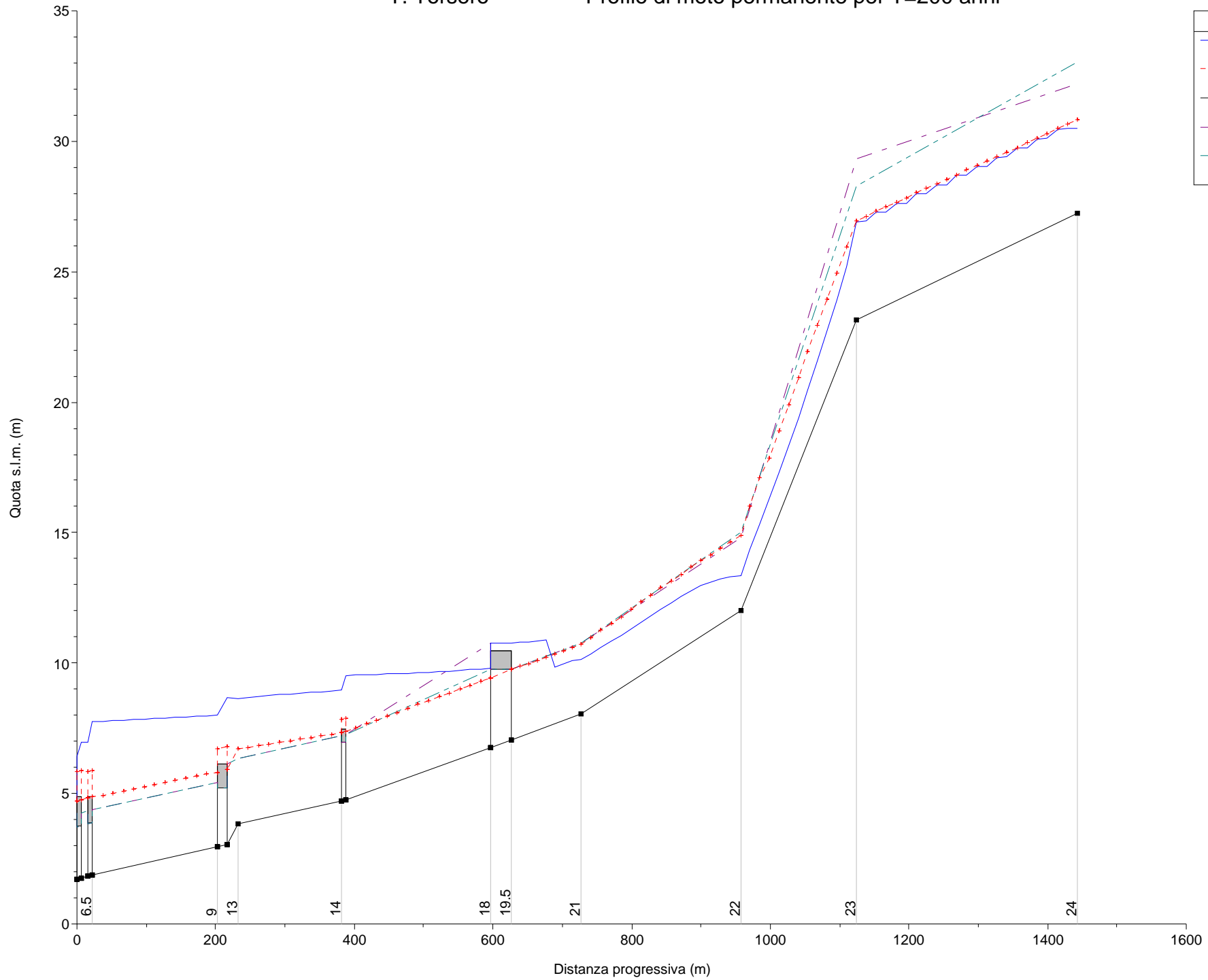
Profilo di moto permanente per T=50 anni



Legend	
	Pelo libero T=50
	Crit T=50
	Fondo alveo
	Argine sinistro
	Argine destro

T. Torsero

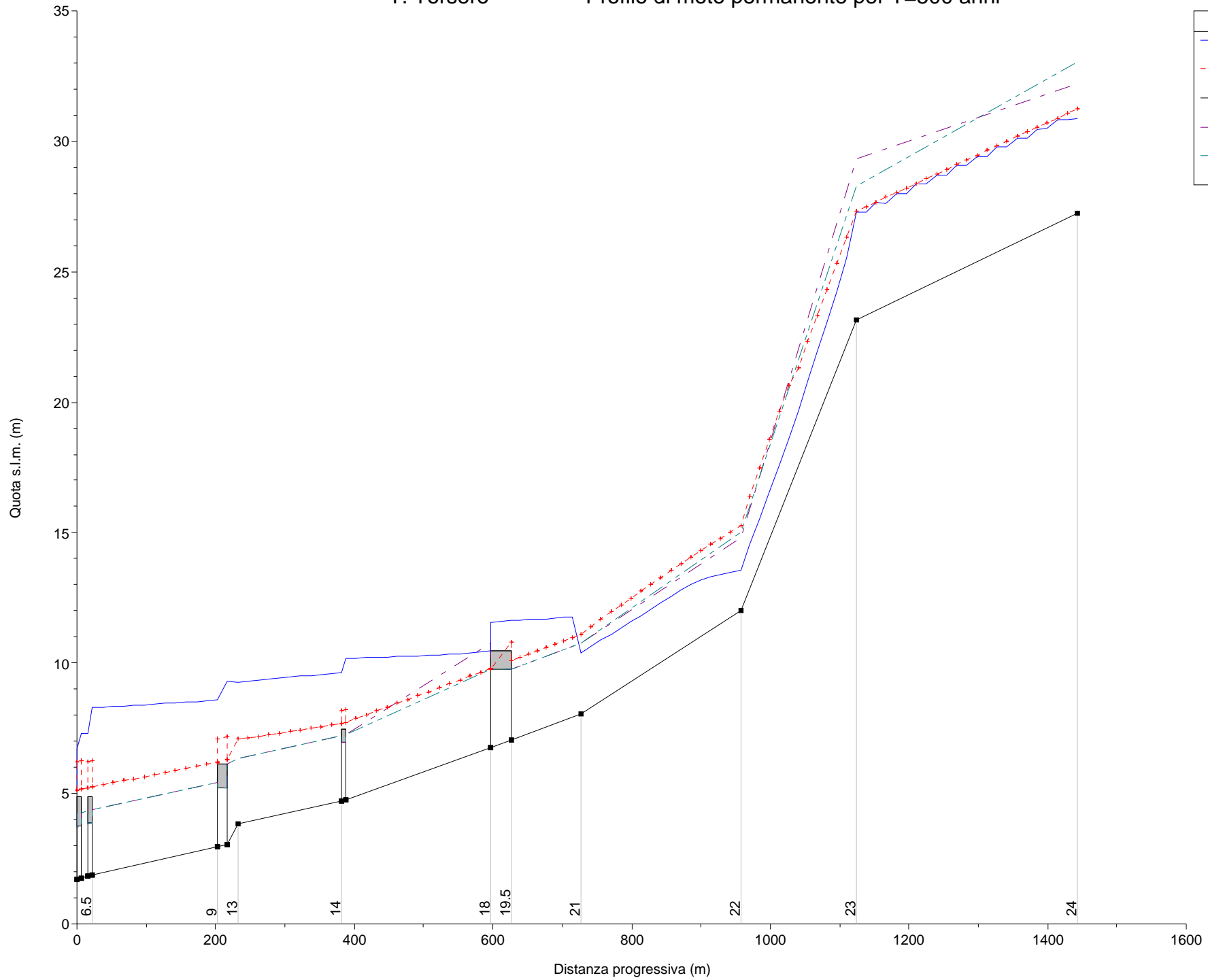
Profilo di moto permanente per T=200 anni



Legend	
—	Pelo libero T=200
- - -	Crit T=200
—	Fondo alveo
- - -	Argine sinistro
- - -	Argine destro

T. Torsero

Profilo di moto permanente per T=500 anni



Legend	
Pelo libero T=500	(solid blue line)
Crit T=500	(dashed red line with crosses)
Fondo alveo	(solid black line)
Argine sinistro	(dashed purple line)
Argine destro	(dashed teal line)

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

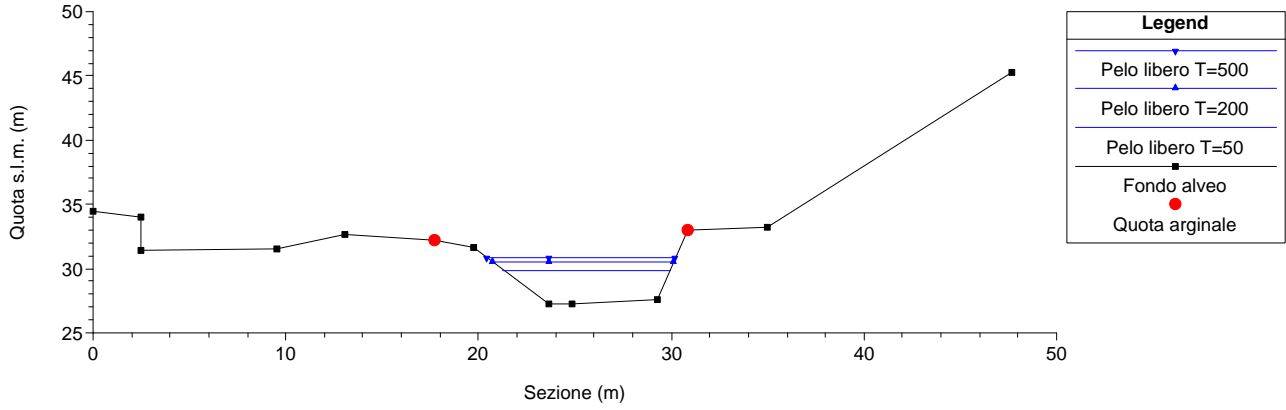
TORSERO

DALLA SEZ. 24
ALLA SEZ. 1

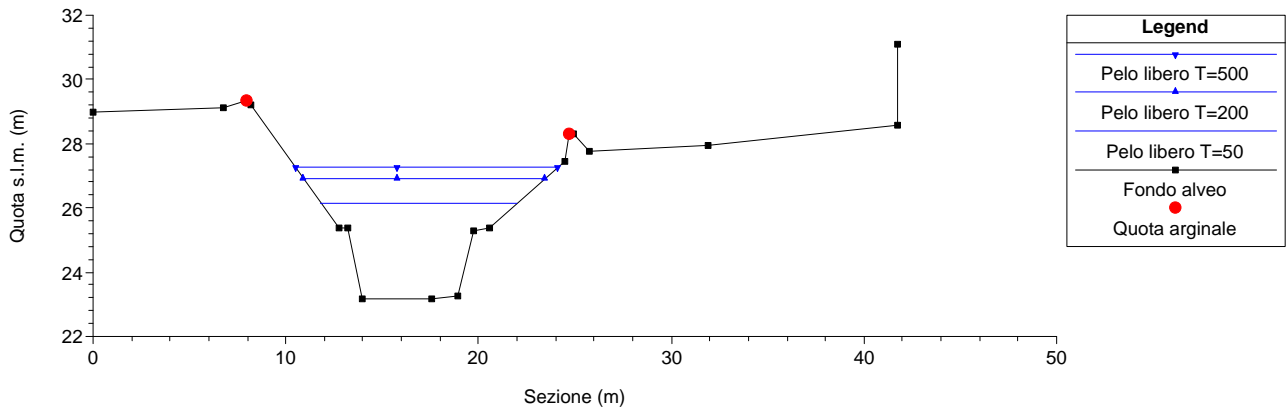
TORRENTE TORSERO

Sezioni trasversali

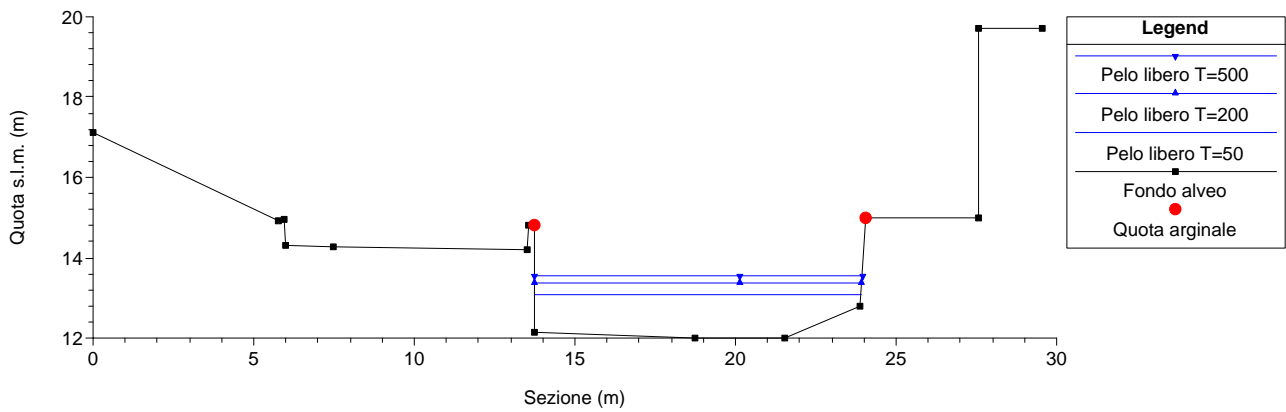
RS = 24



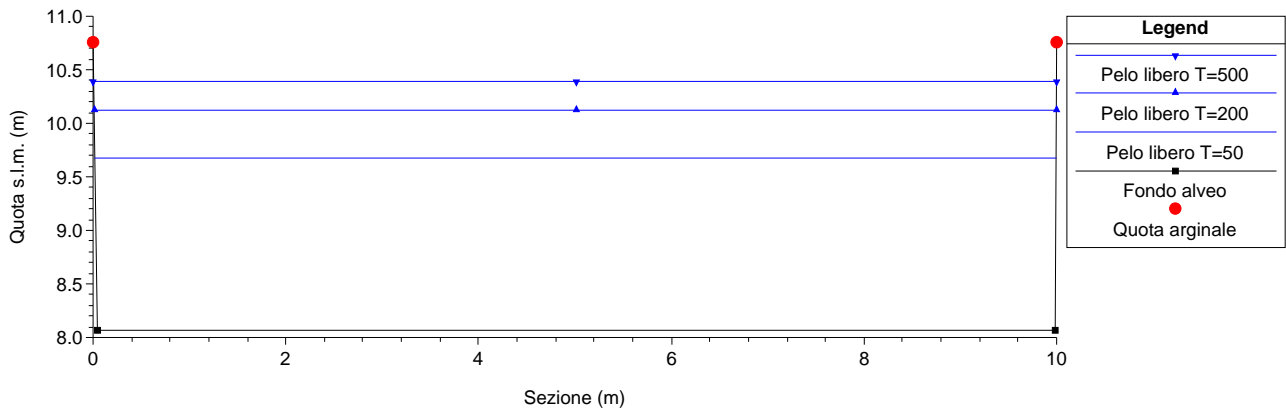
RS = 23



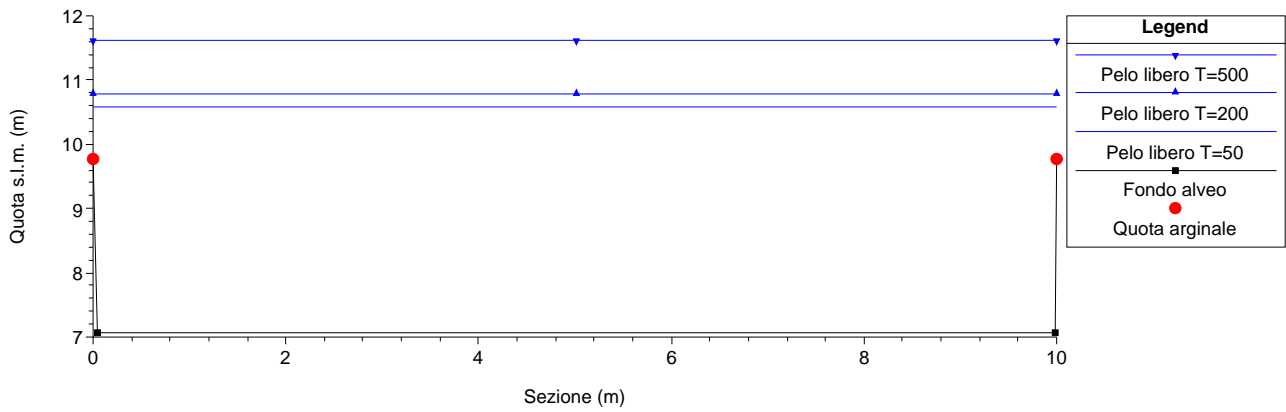
RS = 22



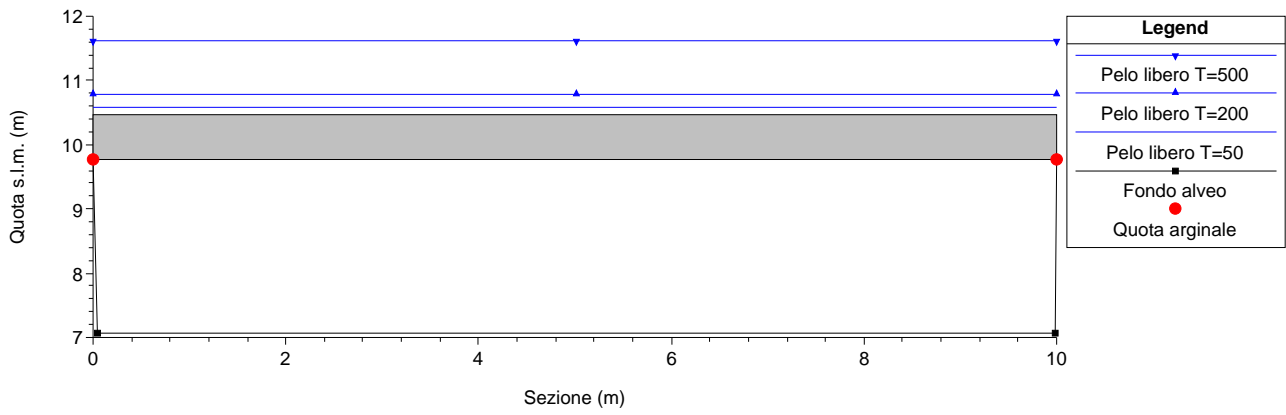
RS = 21



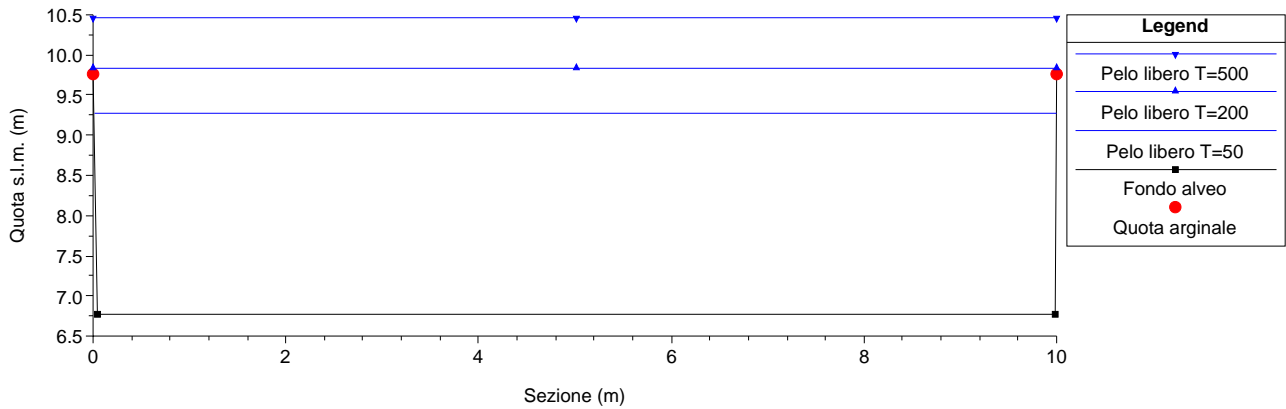
RS = 20



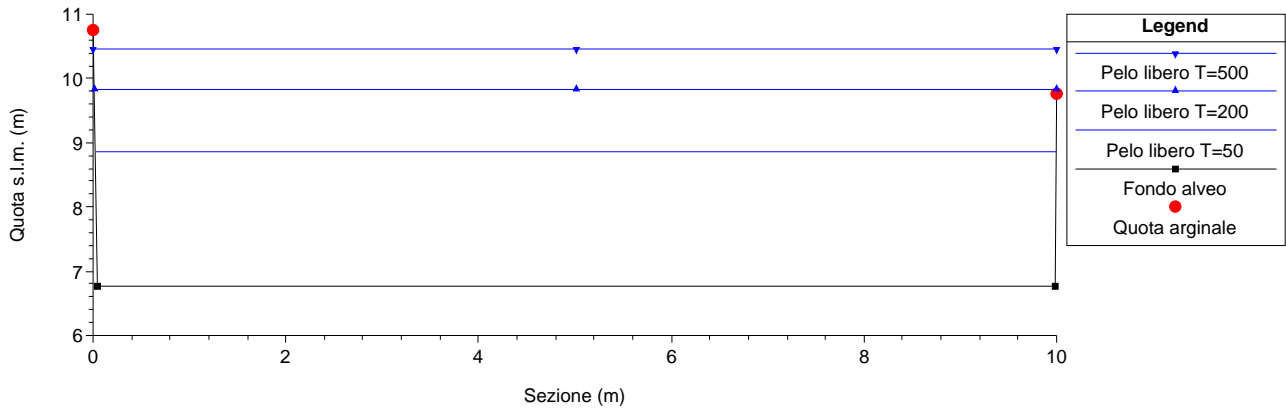
RS = 19.5 BR U



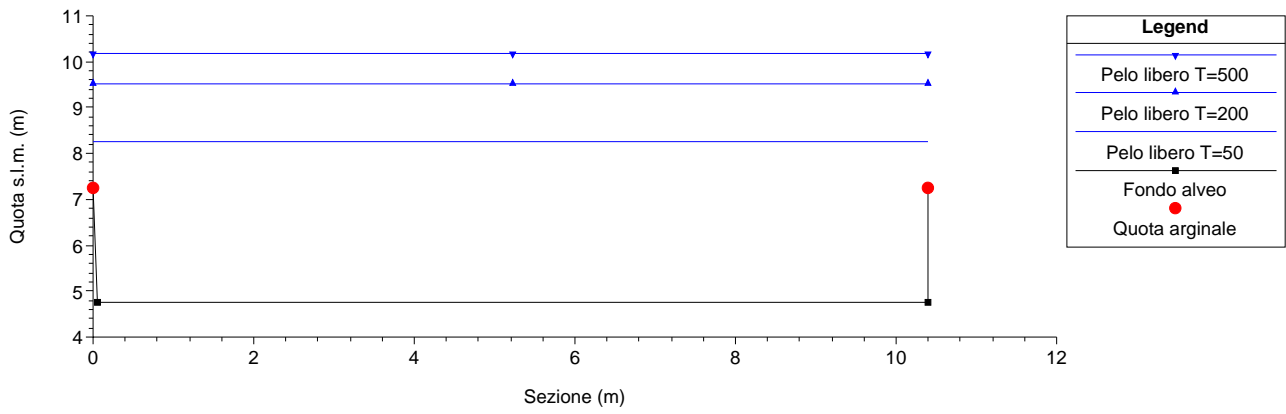
RS = 19



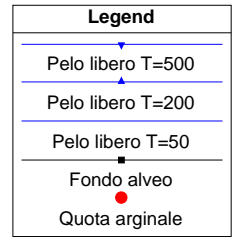
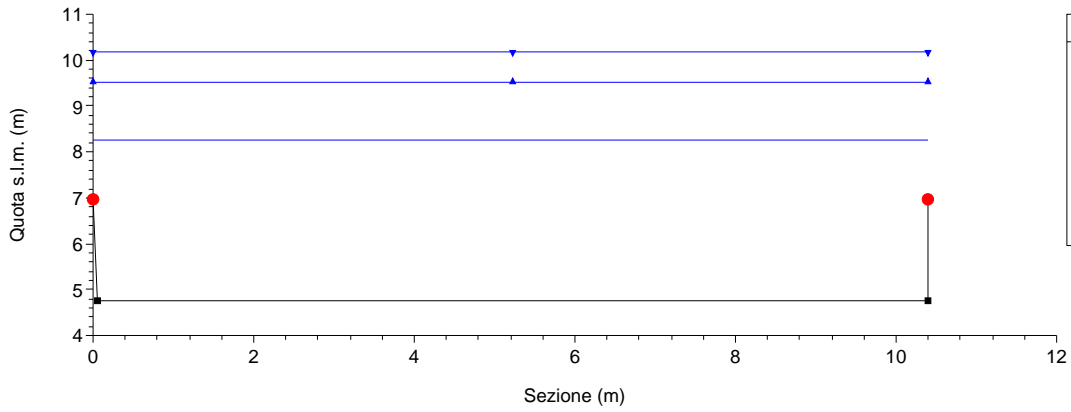
RS = 18



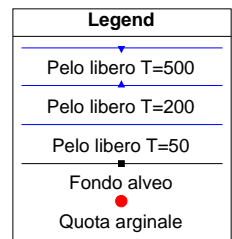
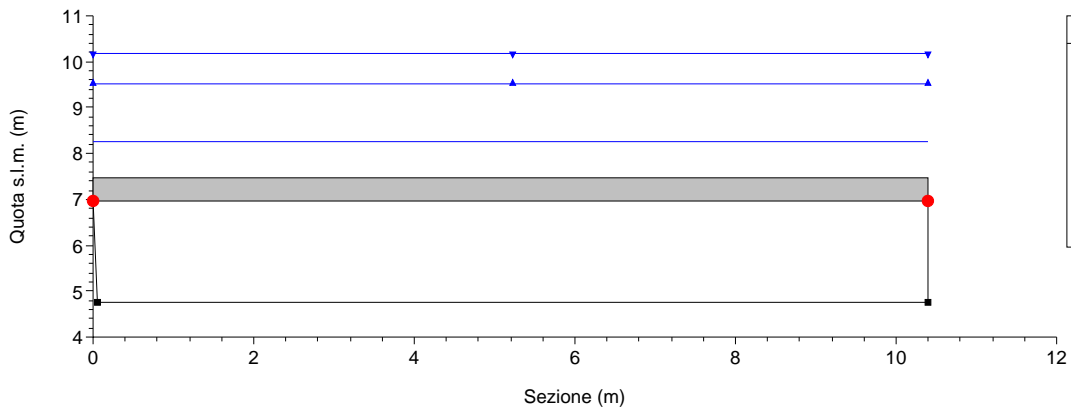
RS = 17



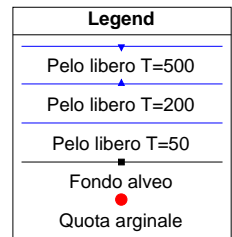
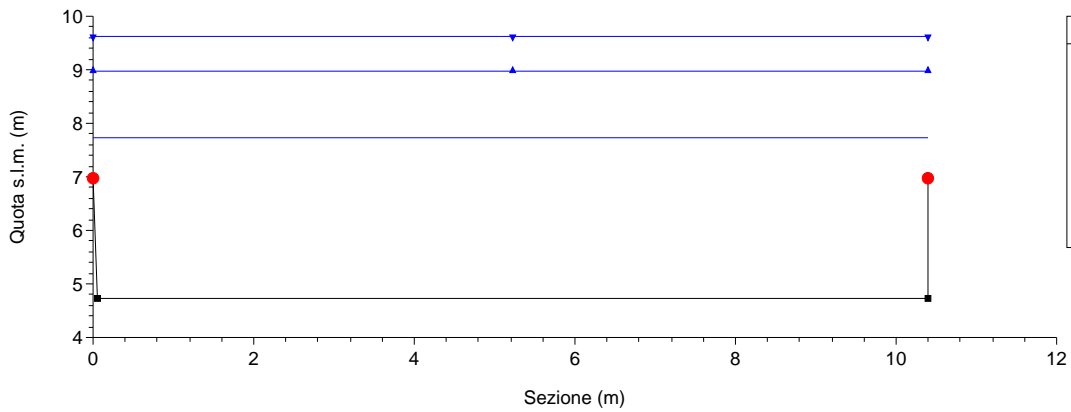
RS = 16



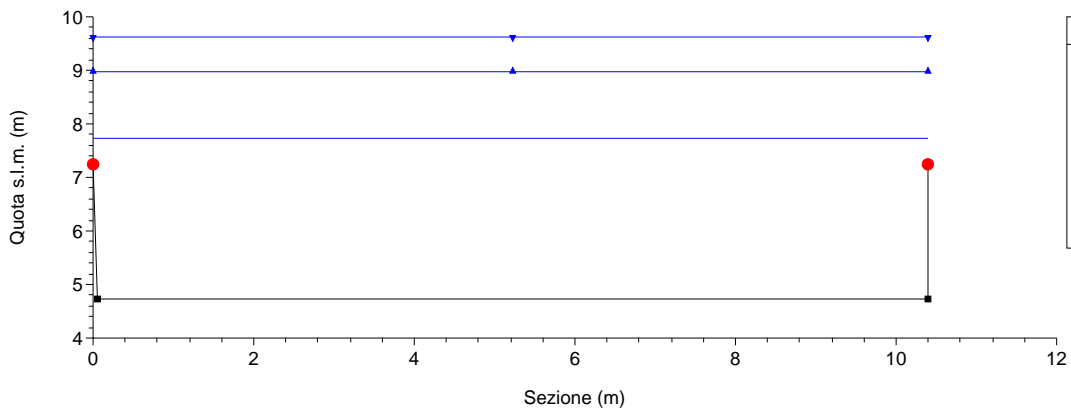
RS = 15.5 BR U



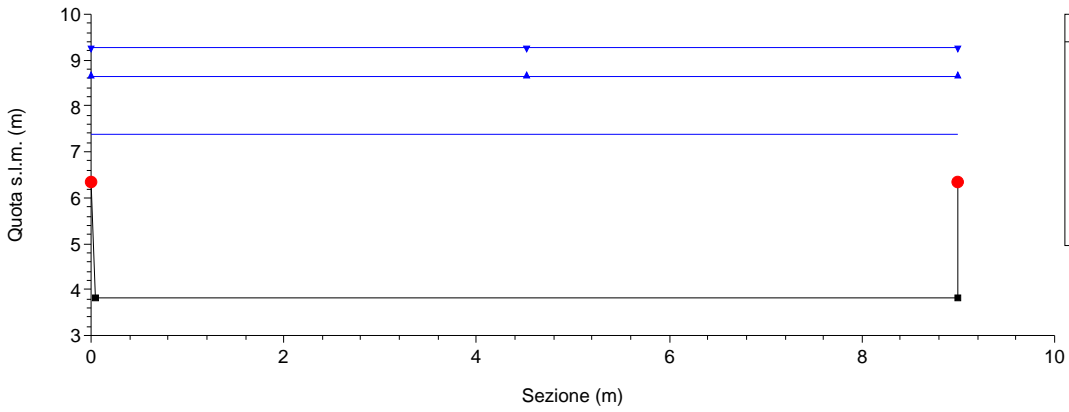
RS = 15



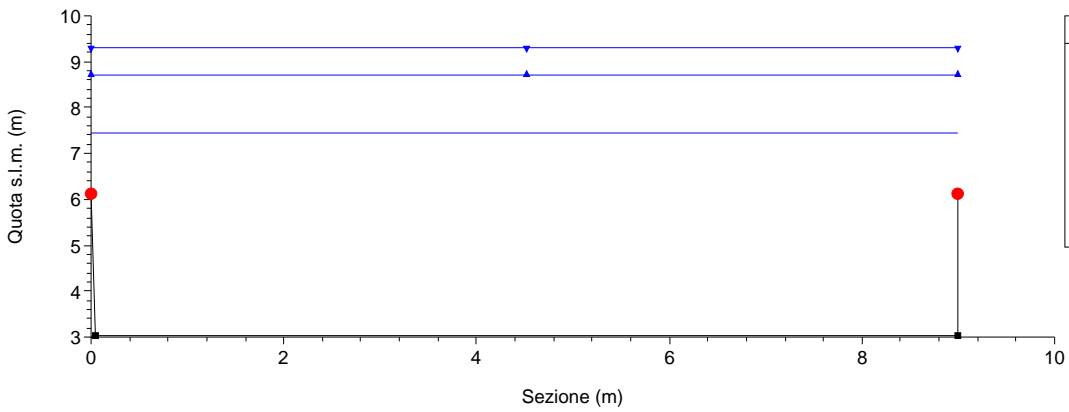
RS = 14



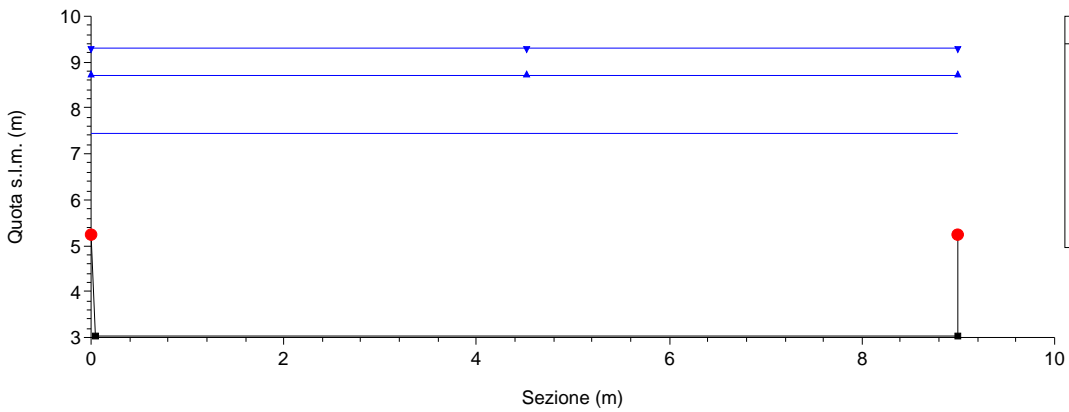
RS = 13



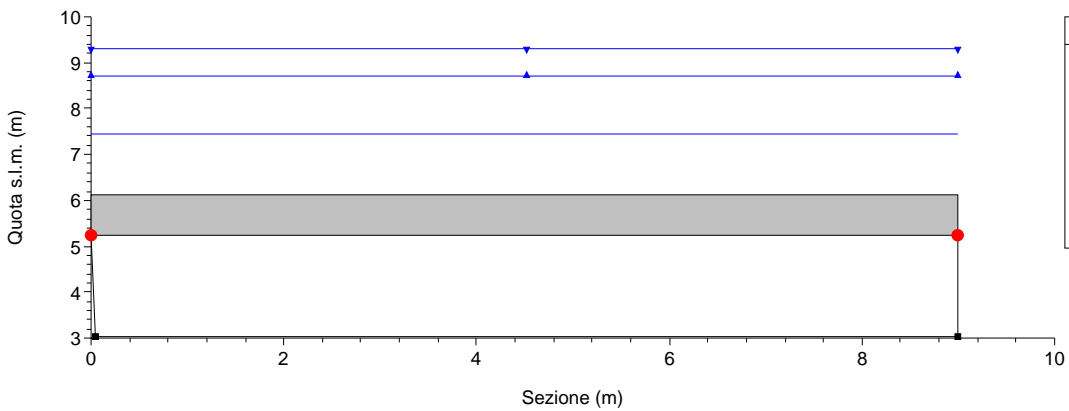
RS = 12



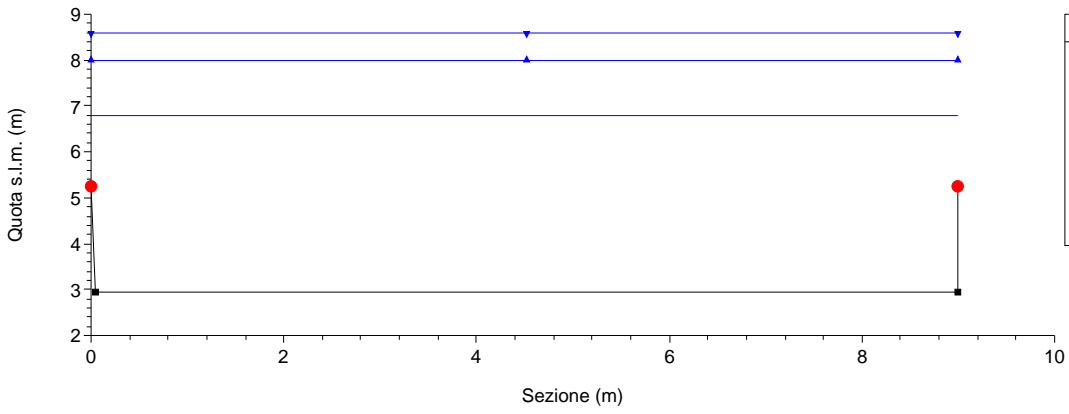
RS = 11



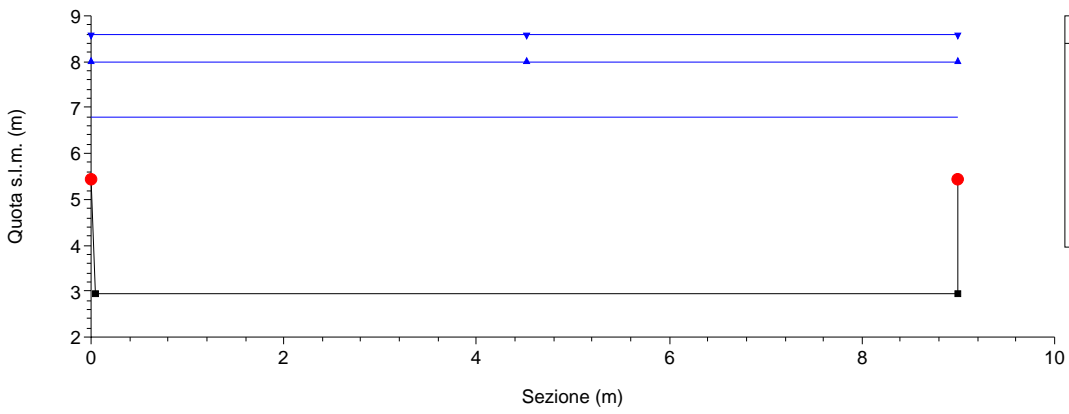
RS = 10.5 BR U



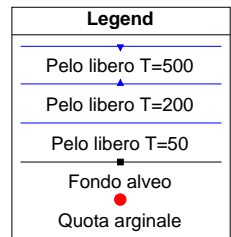
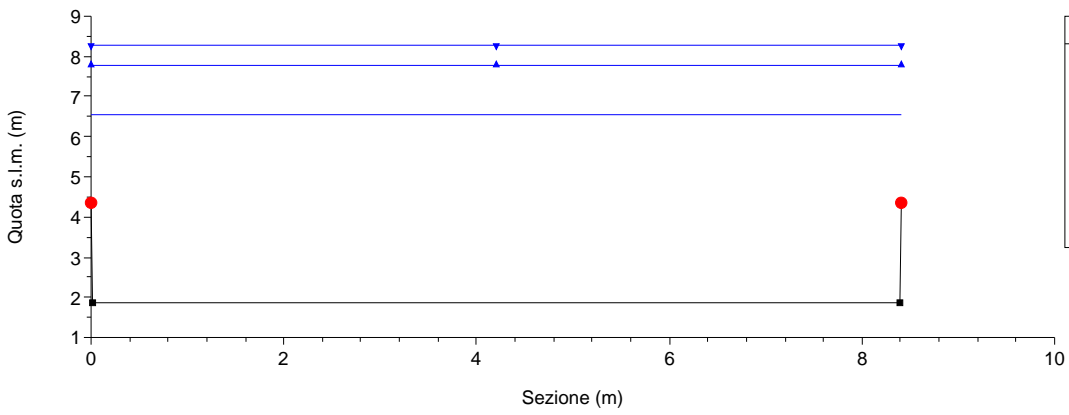
RS = 10



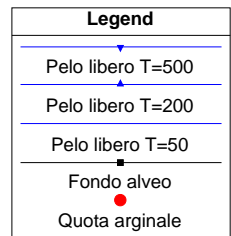
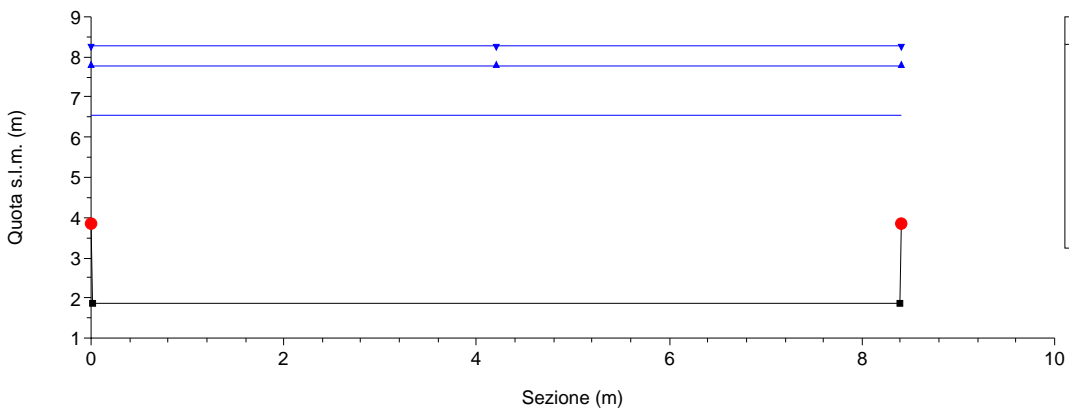
RS = 9



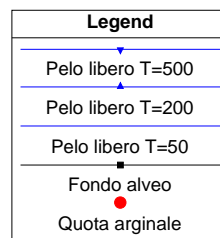
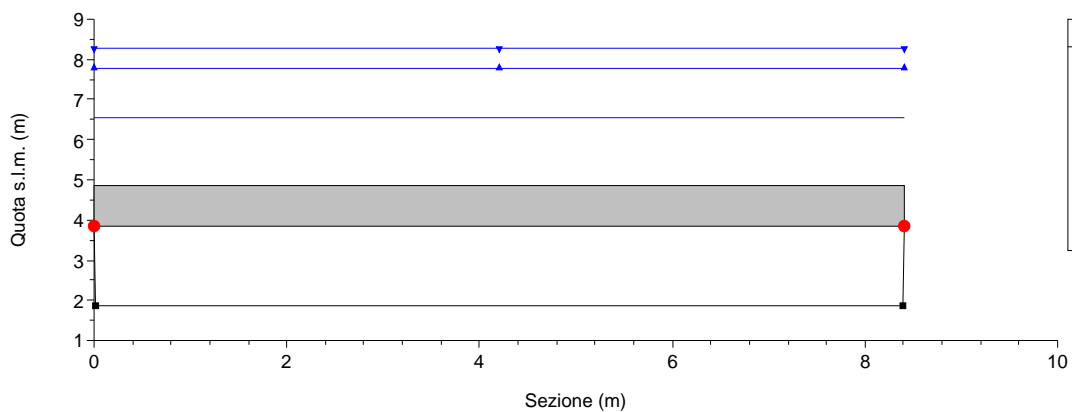
RS = 8



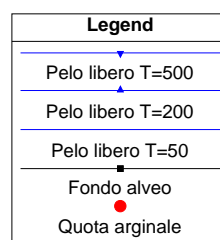
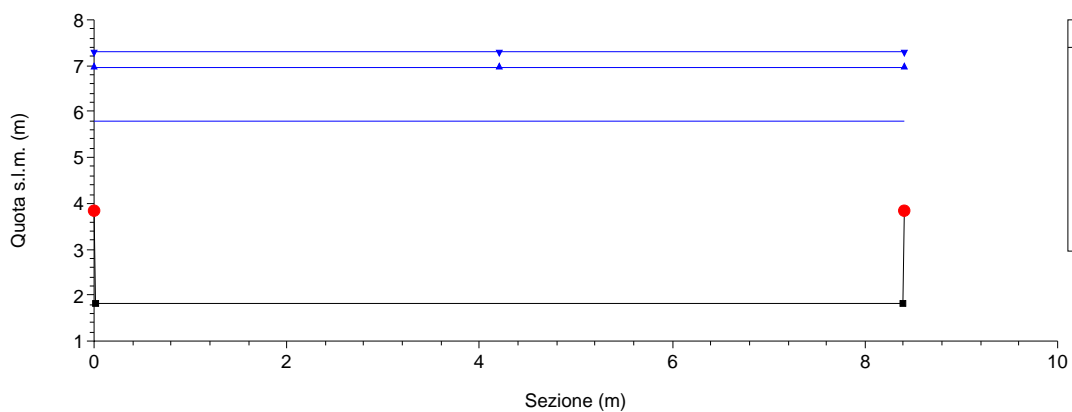
RS = 7



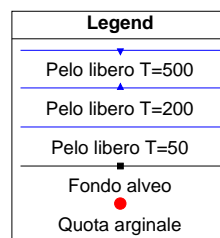
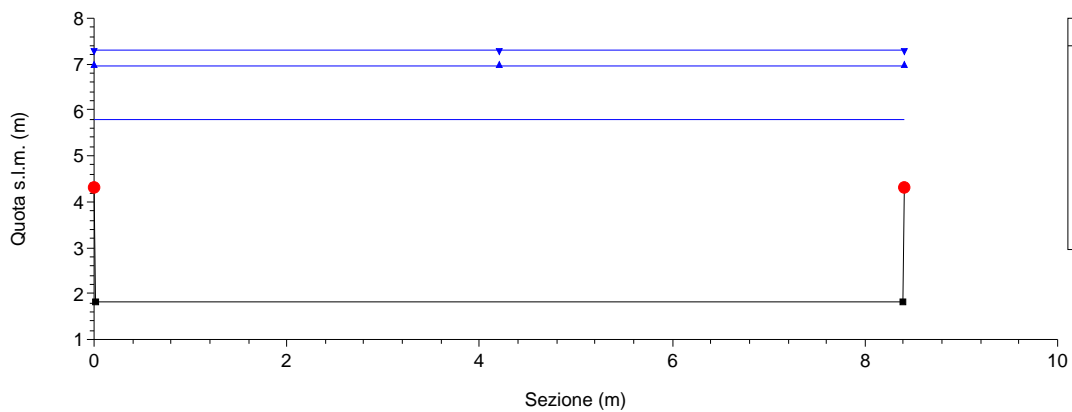
RS = 6.5 BR U



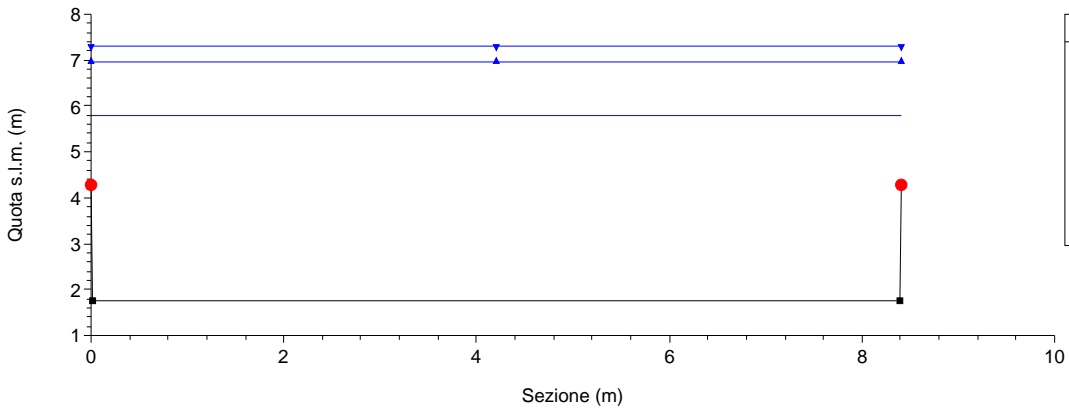
RS = 6



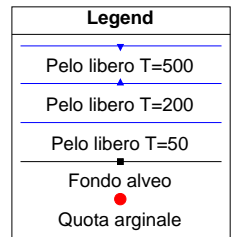
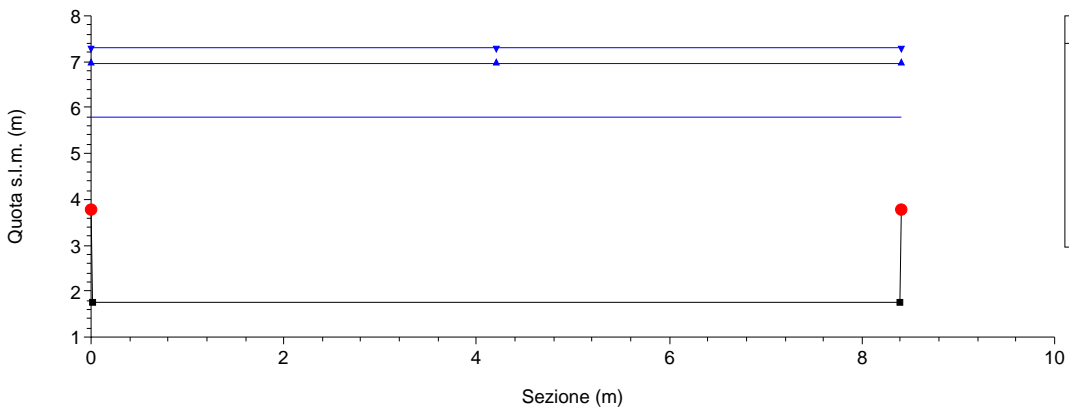
RS = 5



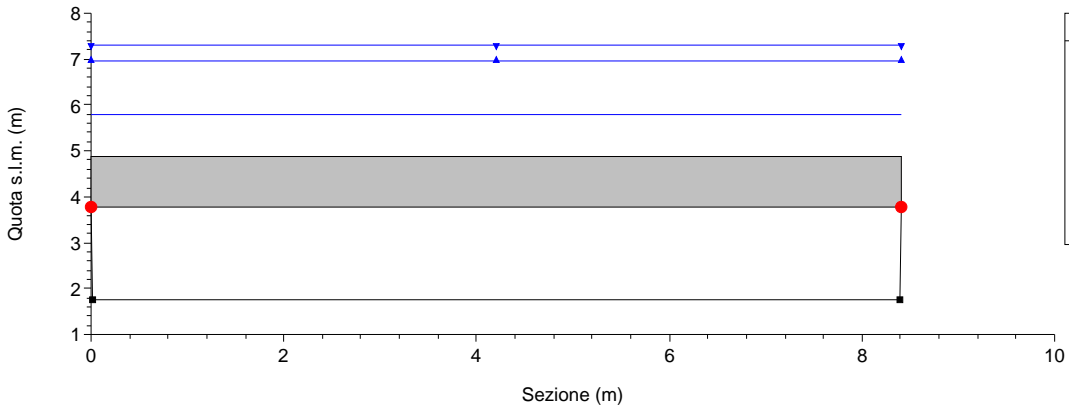
RS = 4



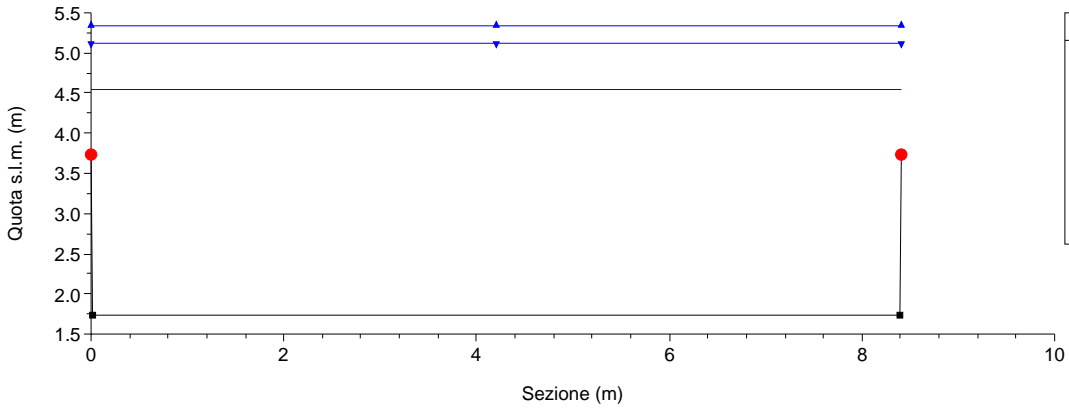
RS = 3



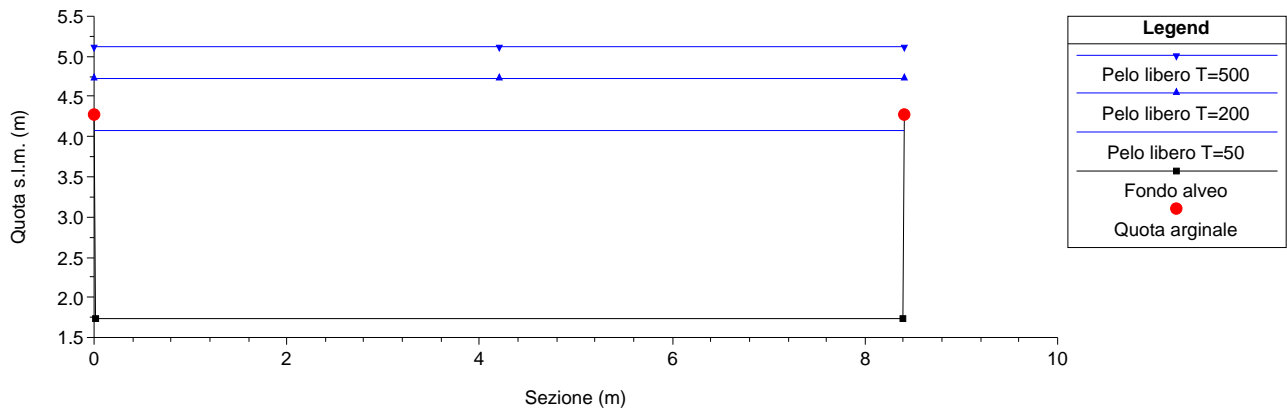
RS = 2.5 BR U



RS = 2



RS = 1



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

TORSERO

Torrente Torsero 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
24	95	27,23	32,2	33,02	29,9	2,94	31,35	5,34	17,79	1,19
23	95	23,15	29,33	28,3	26,15	3,16	27,34	4,83	19,67	1,11
22	95	12	14,81	15	13,09	2,38	17,84	9,66	9,84	3,13
21	95	8,06	10,76	10,76	9,68	2,1	11,45	5,9	16,09	1,48
20	95	7,06	9,76	9,76	10,57	2,1	10,95	2,71	35,04	0,46
19,5	Bridge									
19	95	6,76	9,76	9,76	9,28	2,1	10,01	3,79	25,07	0,76
18	95	6,76	10,76	9,76	8,86	2,1	9,91	4,55	20,88	1
17	95	4,76	7,26	7,26	8,27	2,05	8,62	2,61	36,41	0,45
16	95	4,76	6,96	6,96	8,27	2,05	8,62	2,61	36,42	0,44
15,5	Bridge									
15	95	4,73	6,96	6,96	7,72	2,04	8,2	3,06	31,06	0,57
14	95	4,73	7,23	7,23	7,72	2,04	8,2	3,06	31,04	0,57
13	95	3,83	6,33	6,33	7,39	2,25	7,84	2,97	31,96	0,5
12	95	3,03	6,13	6,13	7,45	2,25	7,74	2,4	39,63	0,36
11	95	3,03	5,23	5,23	7,45	2,25	7,74	2,4	39,66	0,36
10,5	Bridge									
10	95	2,94	5,23	5,23	6,78	2,25	7,17	2,76	34,46	0,45
9	95	2,94	5,44	5,44	6,78	2,25	7,17	2,76	34,45	0,45
8	95	1,86	4,36	4,36	6,56	2,35	6,85	2,41	39,46	0,35
7	95	1,86	3,86	3,86	6,56	2,35	6,85	2,41	39,46	0,35
6,5	Bridge									
6	95	1,83	3,83	3,83	5,8	2,35	6,22	2,84	33,43	0,45
5	95	1,83	4,33	4,33	5,8	2,35	6,22	2,84	33,43	0,46
4	95	1,77	4,27	4,27	5,79	2,35	6,19	2,81	33,81	0,45
3	95	1,77	3,77	3,77	5,79	2,35	6,19	2,81	33,82	0,45
2,5	Bridge									
2	95	1,73	3,73	3,73	4,54	2,35	5,36	4,03	23,6	0,77
1	95	1,73	4,27	4,27	4,08	2,35	5,26	4,81	19,76	1

Torrente Torsero 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
24	137	27,23	32,2	33,02	30,5	3,61	32,27	5,9	23,23	1,2
23	137	23,15	29,33	28,3	26,93	3,8	28,1	4,8	28,54	1,02
22	137	12	14,81	15	13,37	2,9	19,36	10,84	12,63	3,11
21	137	8,06	10,76	10,76	10,12	2,67	12,4	6,69	20,47	1,49
20	137	7,06	9,76	9,76	10,78	2,68	11,47	3,7	37,05	0,61
19,5	Bridge									
19	137	6,76	9,76	9,76	9,83	2,67	10,85	4,48	30,57	0,82
18	137	6,76	10,76	9,76	9,82	2,68	10,85	4,49	30,5	0,82
17	137	4,76	7,26	7,26	9,53	2,6	9,92	2,77	49,52	0,4
16	137	4,76	6,96	6,96	9,53	2,61	9,92	2,77	49,53	0,4
15,5	Bridge									
15	137	4,73	6,96	6,96	8,96	2,61	9,46	3,12	43,94	0,48
14	137	4,73	7,23	7,23	8,96	2,61	9,46	3,12	43,93	0,48
13	137	3,83	6,33	6,33	8,65	2,88	9,16	3,17	43,26	0,46
12	137	3,03	6,13	6,13	8,69	2,88	9,06	2,69	50,86	0,36
11	137	3,03	5,23	5,23	8,69	2,88	9,06	2,69	50,88	0,36
10,5	Bridge									
10	137	2,94	5,23	5,23	8,01	2,87	8,47	3,01	45,5	0,43
9	137	2,94	5,44	5,44	8,01	2,88	8,47	3,01	45,5	0,43
8	137	1,86	4,36	4,36	7,76	3	8,15	2,76	49,55	0,36
7	137	1,86	3,86	3,86	7,76	3	8,15	2,76	49,56	0,36
6,5	Bridge									
6	137	1,83	3,83	3,83	6,96	3	7,47	3,17	43,17	0,45
5	137	1,83	4,33	4,33	6,96	3	7,47	3,17	43,16	0,45
4	137	1,77	4,27	4,27	6,95	3	7,45	3,15	43,53	0,44
3	137	1,77	3,77	3,77	6,95	3	7,45	3,15	43,54	0,44
2,5	Bridge									
2	137	1,73	3,73	3,73	5,33	3	6,37	4,53	30,25	0,76
1	137	1,73	4,27	4,27	4,73	3	6,24	5,44	25,17	1

Torrente Torsero 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
24	165	27,23	32,2	33,02	30,86	4,01	32,81	6,2	26,63	1,2
23	165	23,15	29,33	28,3	27,28	4,16	28,54	4,98	33,13	1,02
22	165	12	14,81	15	13,55	3,27	20,13	11,37	14,52	3,04
21	165	8,06	10,76	10,76	10,39	3,04	12,97	7,12	23,17	1,49
20	165	7,06	9,76	9,76	11,63	3,03	12,3	3,62	45,55	0,54
19,5	Bridge									
19	165	6,76	9,76	9,76	10,46	3,03	11,48	4,47	36,89	0,74
18	165	6,76	10,76	9,76	10,46	3,03	11,48	4,48	36,83	0,75
17	165	4,76	7,26	7,26	10,19	2,96	10,62	2,93	56,33	0,4
16	165	4,76	6,96	6,96	10,19	2,95	10,62	2,93	56,34	0,4
15,5	Bridge									
15	165	4,73	6,96	6,96	9,63	2,95	10,16	3,24	50,85	0,47
14	165	4,73	7,23	7,23	9,63	2,95	10,16	3,25	50,84	0,47
13	165	3,83	6,33	6,33	9,27	3,25	9,85	3,38	48,87	0,46
12	165	3,03	6,13	6,13	9,32	3,25	9,75	2,92	56,47	0,37
11	165	3,03	5,23	5,23	9,32	3,26	9,75	2,92	56,5	0,37
10,5	Bridge									
10	165	2,94	5,23	5,23	8,58	3,25	9,12	3,26	50,67	0,44
9	165	2,94	5,44	5,44	8,58	3,25	9,12	3,26	50,67	0,44
8	165	1,86	4,36	4,36	8,29	3,4	8,76	3,05	54,02	0,38
7	165	1,86	3,86	3,86	8,29	3,4	8,76	3,05	54,02	0,38
6,5	Bridge									
6	165	1,83	3,83	3,83	7,32	3,39	7,97	3,58	46,15	0,49
5	165	1,83	4,33	4,33	7,32	3,4	7,97	3,58	46,14	0,49
4	165	1,77	4,27	4,27	7,29	3,39	7,94	3,55	46,47	0,48
3	165	1,77	3,77	3,77	7,29	3,4	7,94	3,55	46,48	0,48
2,5	Bridge									
2	165	1,73	3,73	3,73	5,13	3,39	6,83	5,78	28,55	1
1	165	1,73	4,27	4,27	5,13	3,4	6,83	5,78	28,54	1

