

AUTORITA' DI BACINO  
DI RILIEVO REGIONALE



PROVINCIA  
DI SAVONA

## PIANO DI BACINO SEGNO

Piano stralcio per la tutela dal rischio idrogeologico  
di cui all'art.1, comma 1 del D.L. 11/06/1998 n.180,  
convertito in legge 03/08/1998 n.267 e s.m.

# **VERIFICHE IDRAULICHE**

Approvato con D.G.P. n. 185 del 09/10/2014



## ALLEGATO IDRAULICO

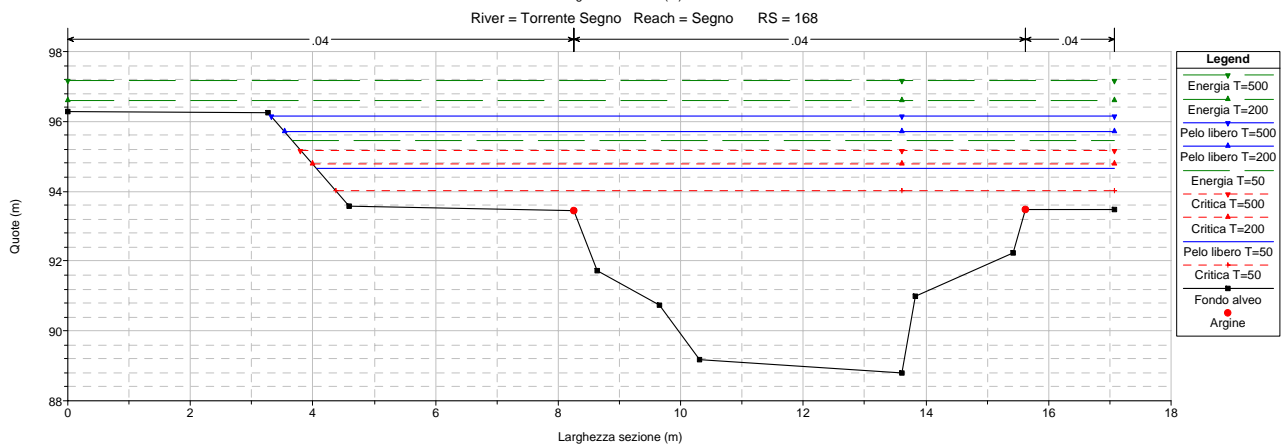
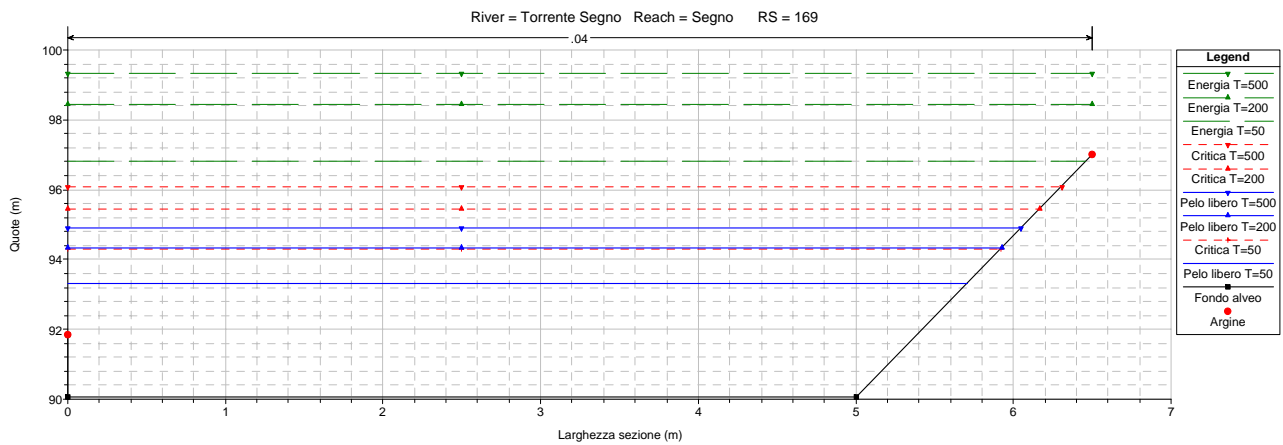
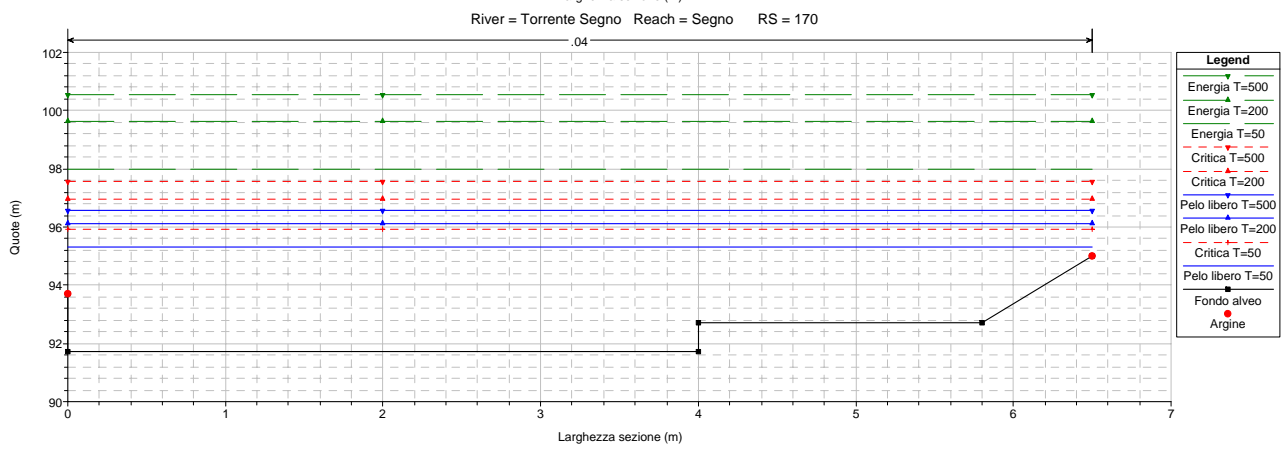
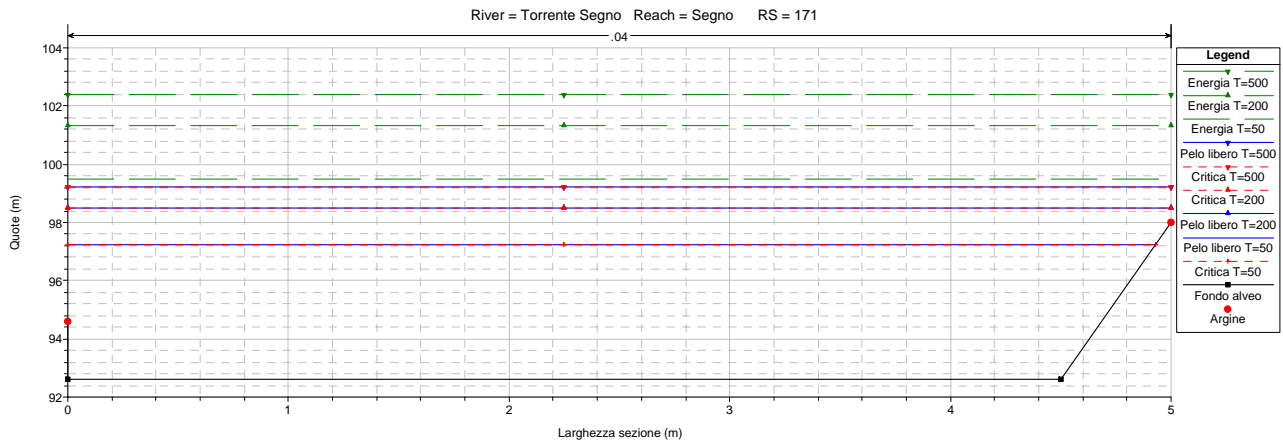
CORSO D'ACQUA: TORRENTE SEGNO  
BACINO: SEGNO  
COMUNE: VADO LIGURE

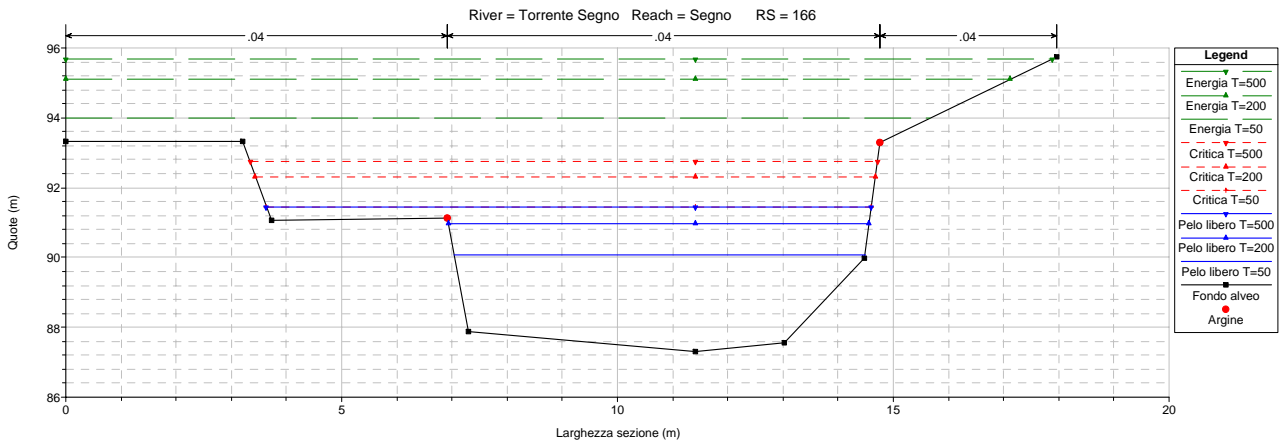
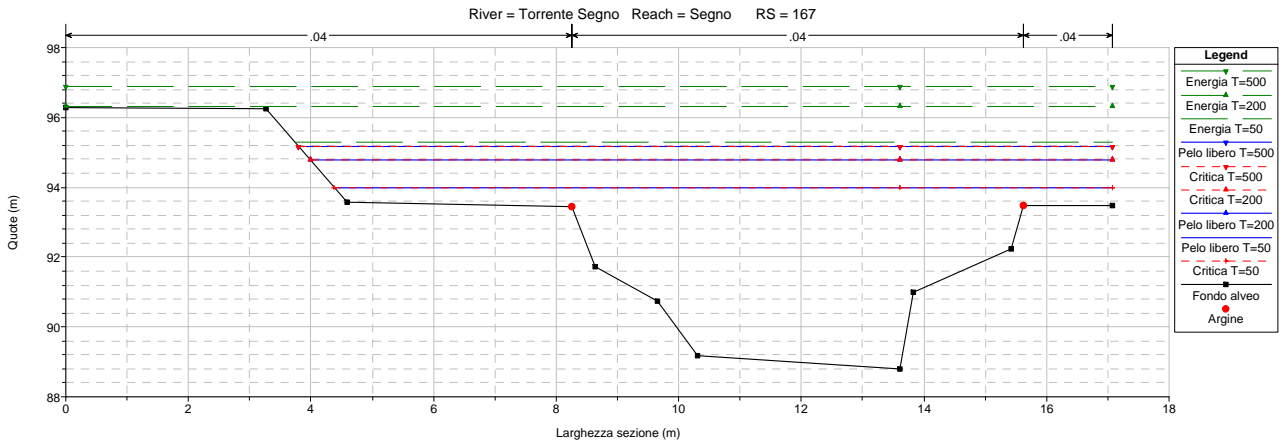
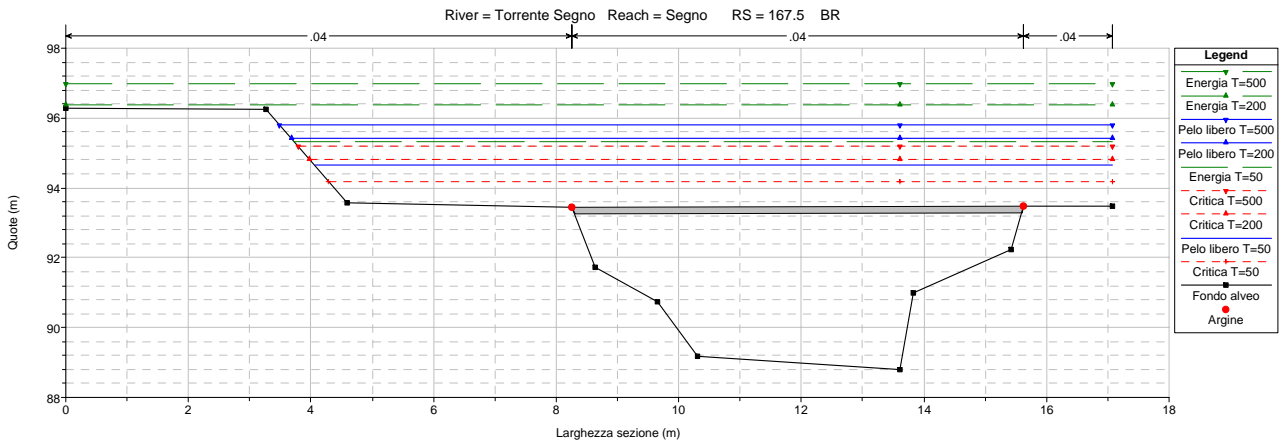
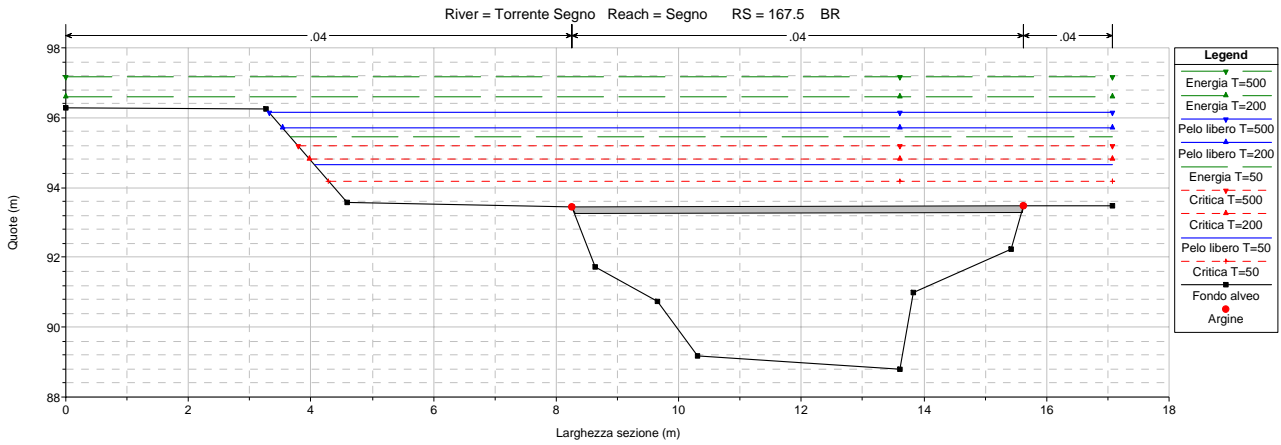
Modellazione idraulica in condizioni di moto permanente.

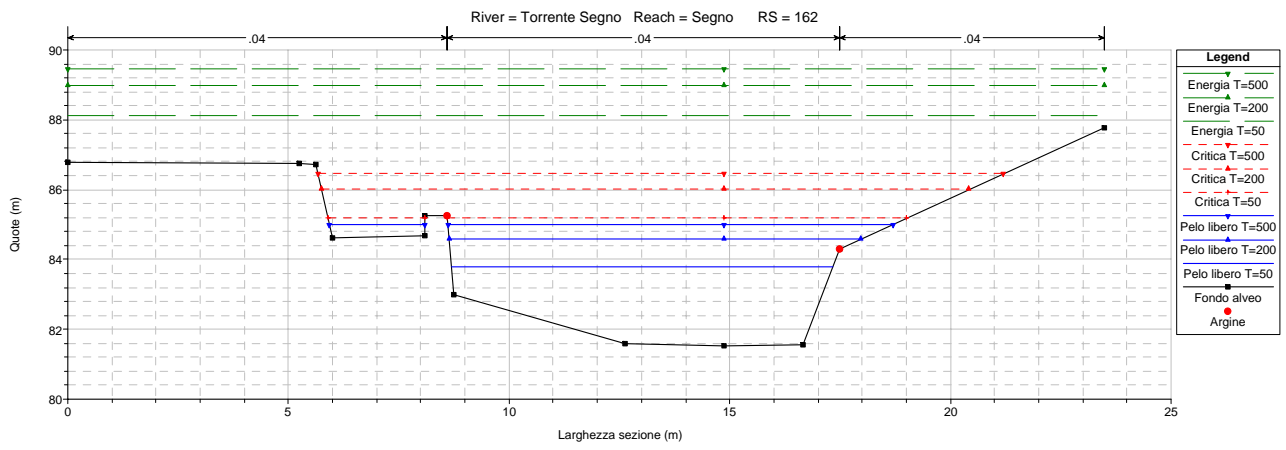
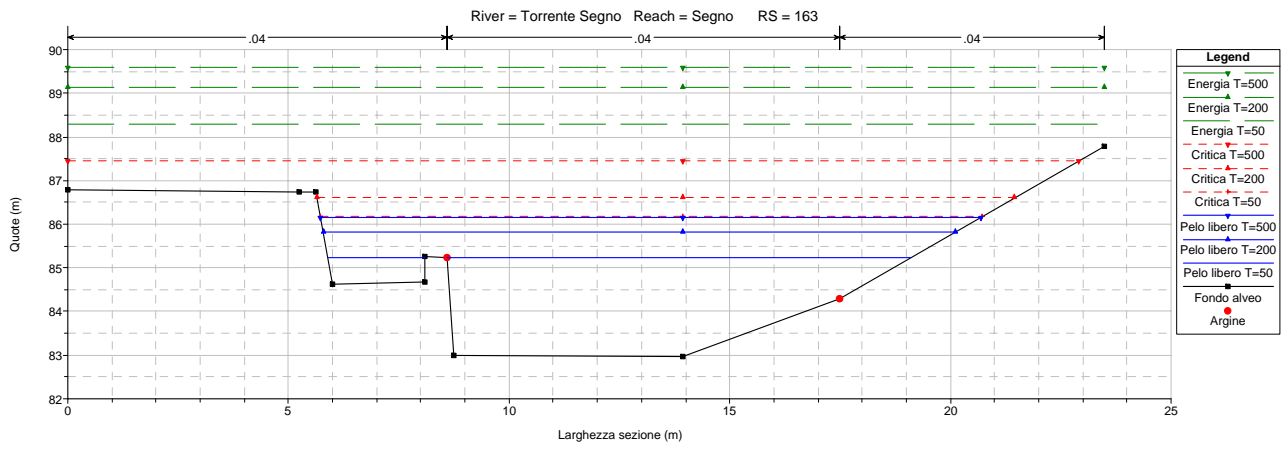
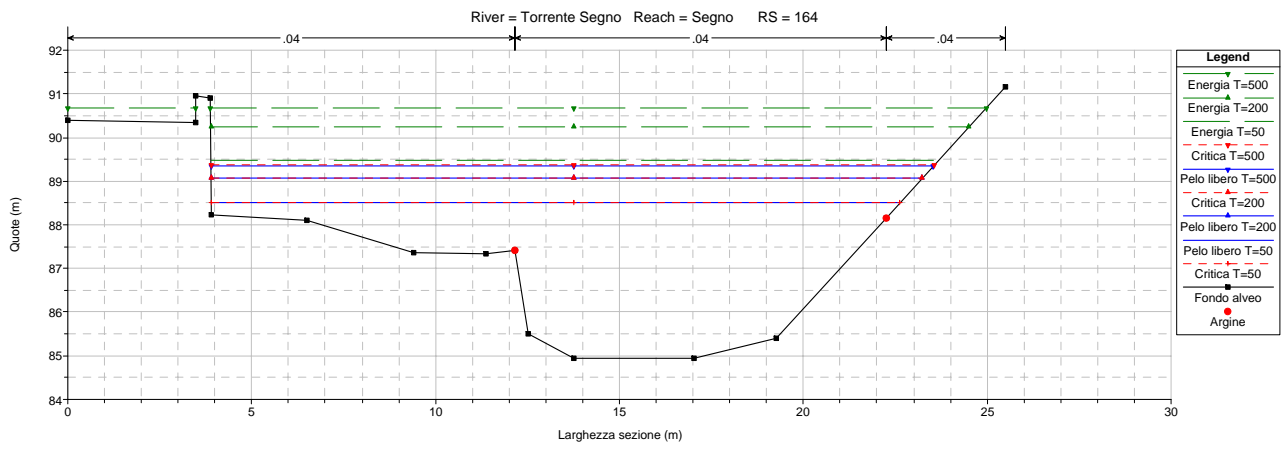
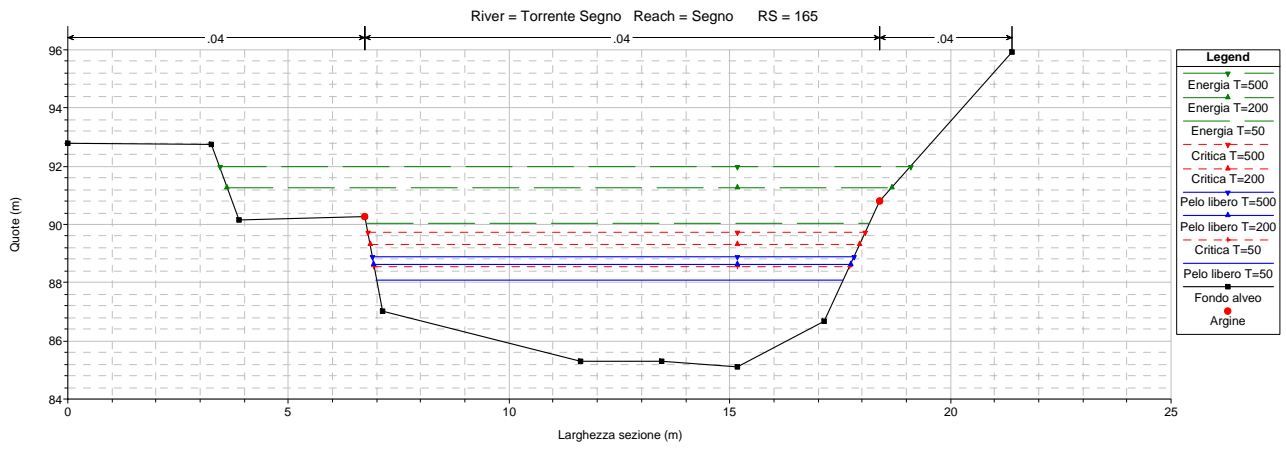
- ✚ Geometria delle sezioni ed altezza del pelo libero in condizioni di moto permanente per le portate T=50, 200, 500 anni
- ✚ Profili di rigurgito in condizioni di moto permanente per le portate T=50, 200, 500 anni
- ✚ Tabelle delle grandezze idrauliche significative per le portate T=50, 200, 500 anni

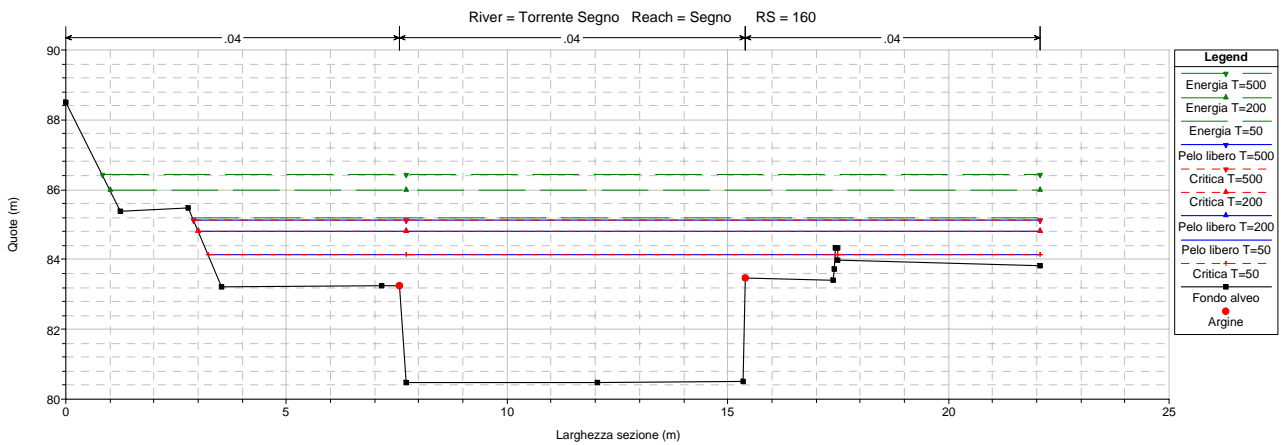
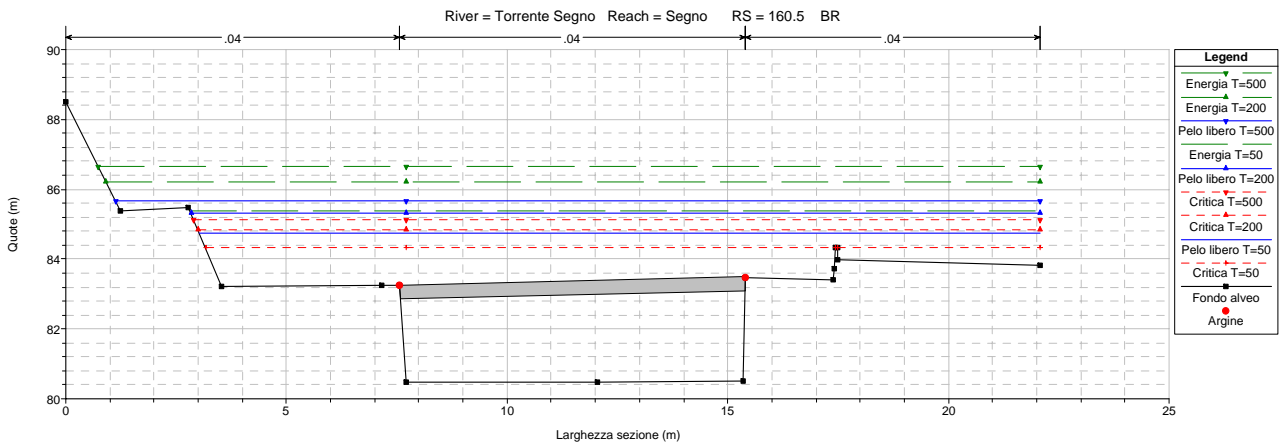
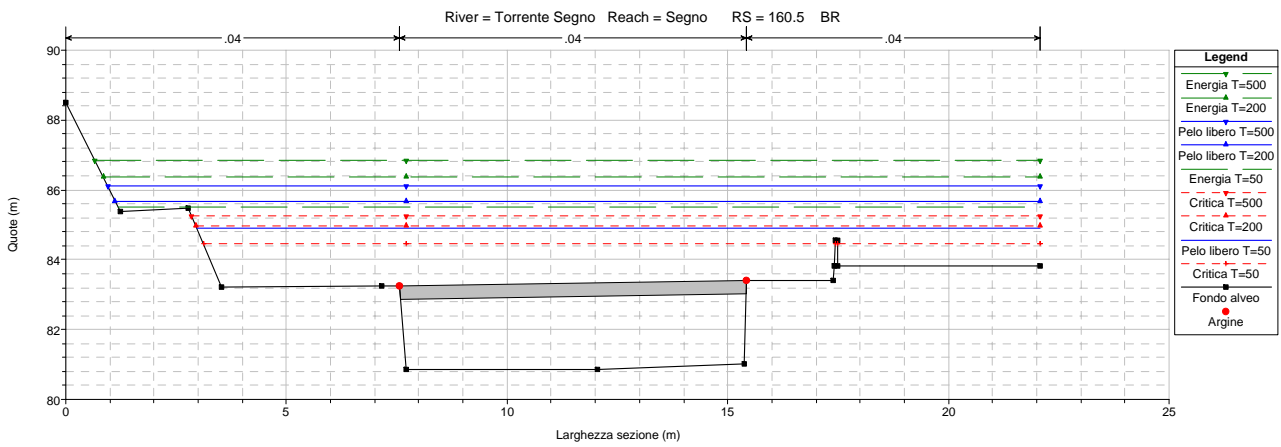
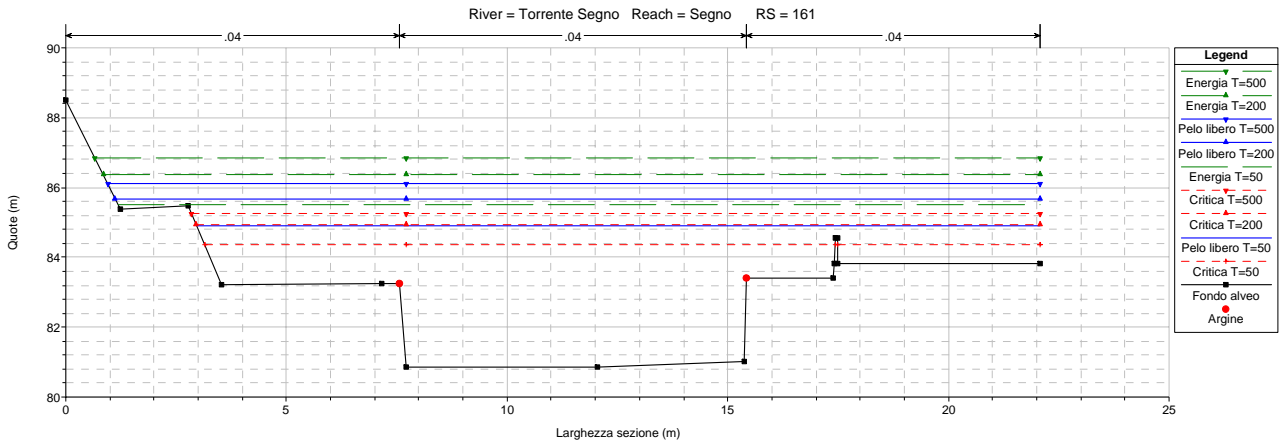
# TORRENTE SEGNO

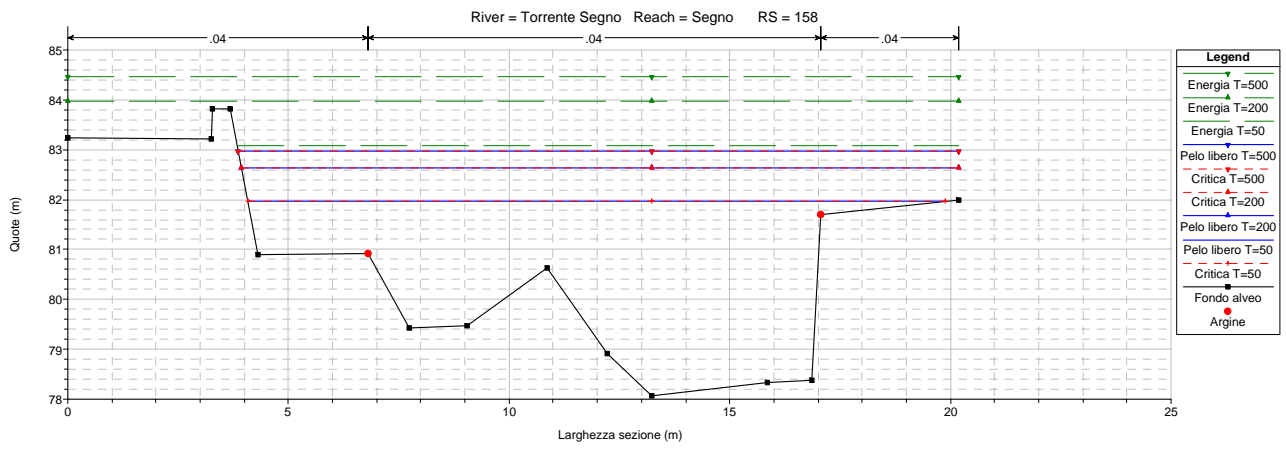
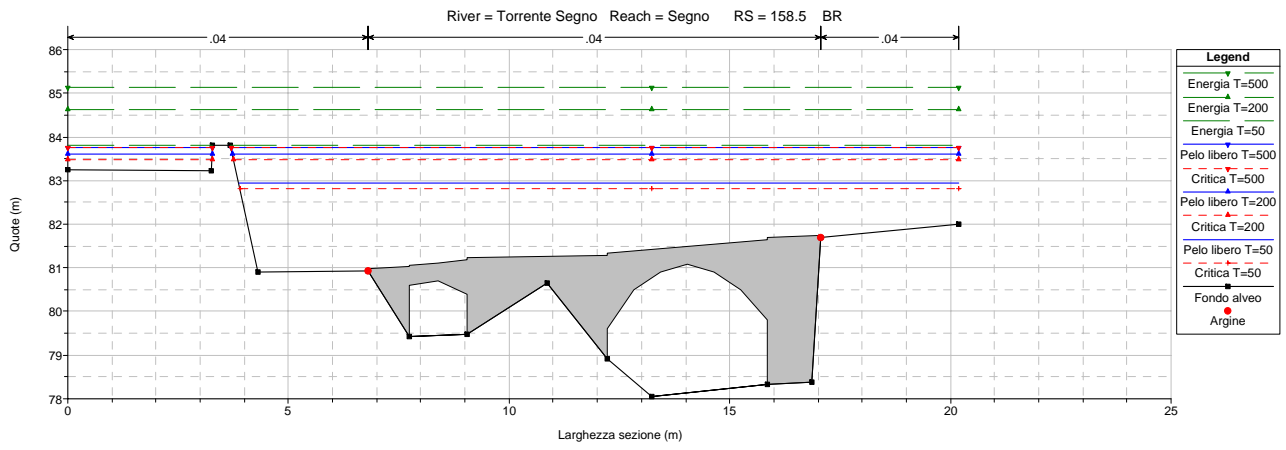
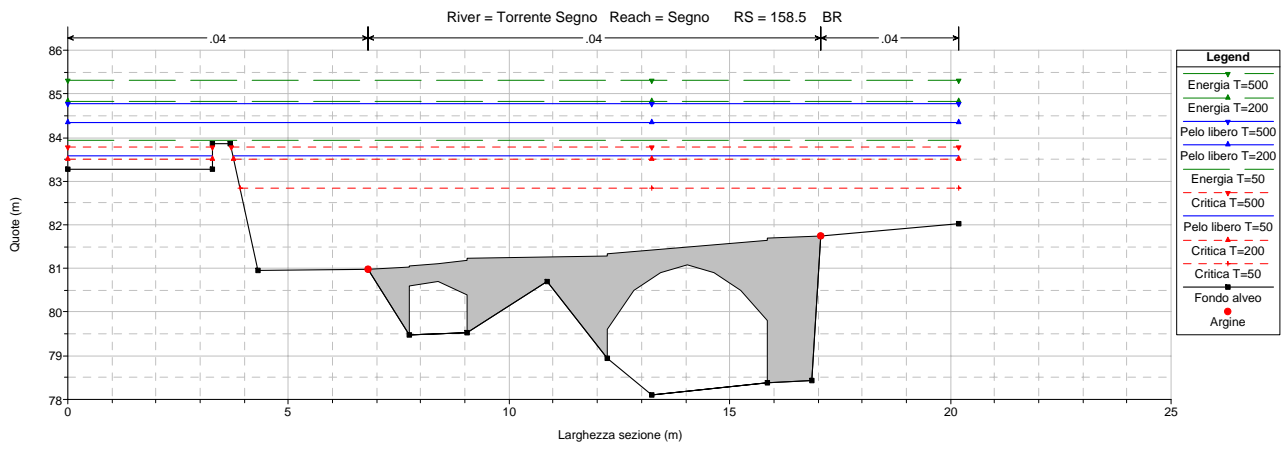
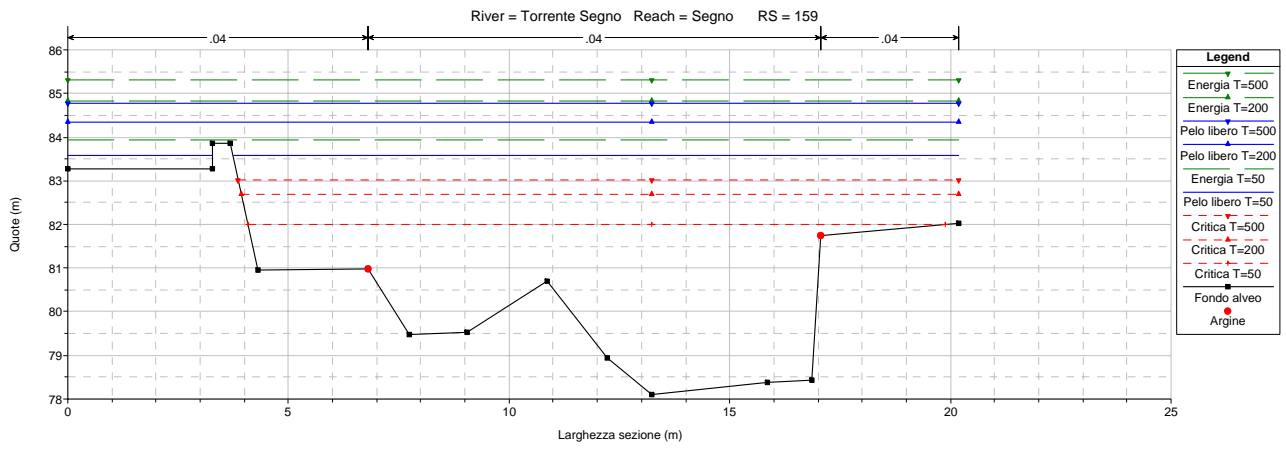
## Sezioni trasversali



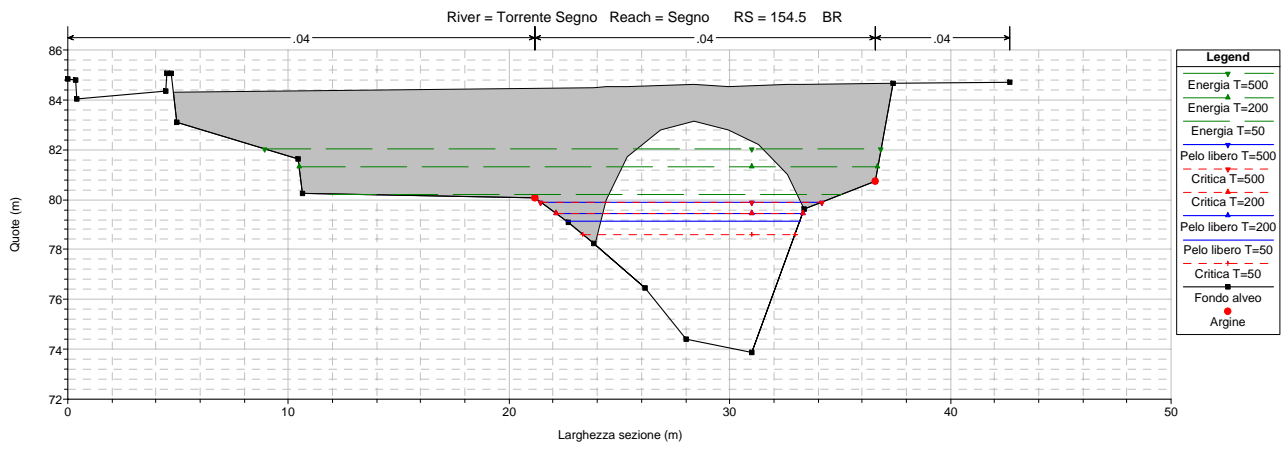
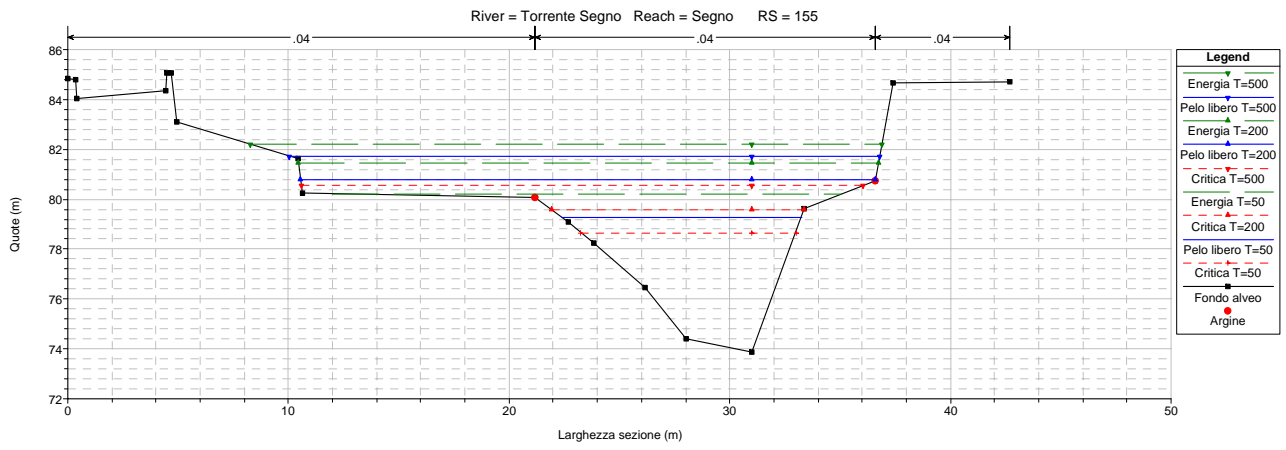
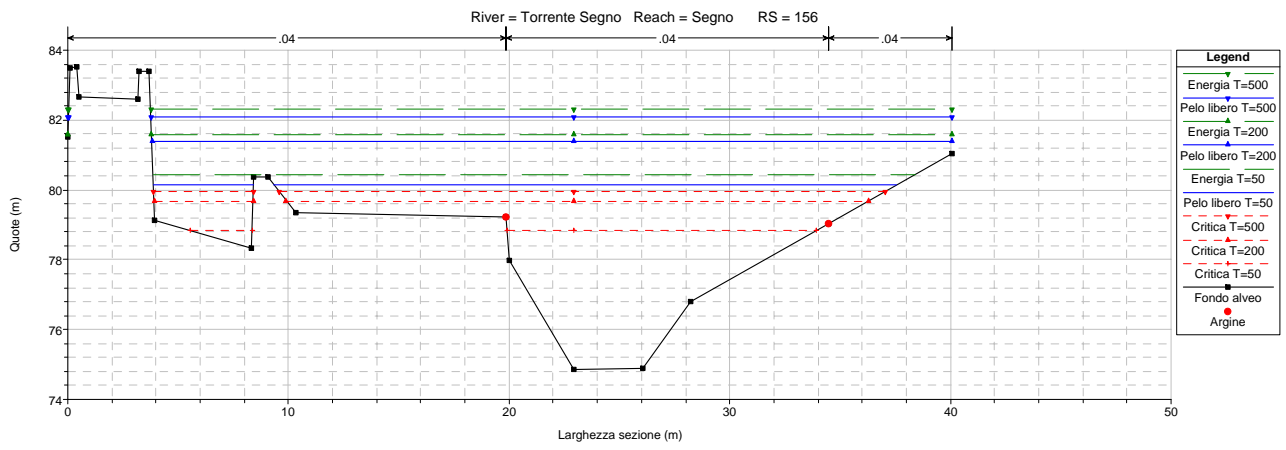
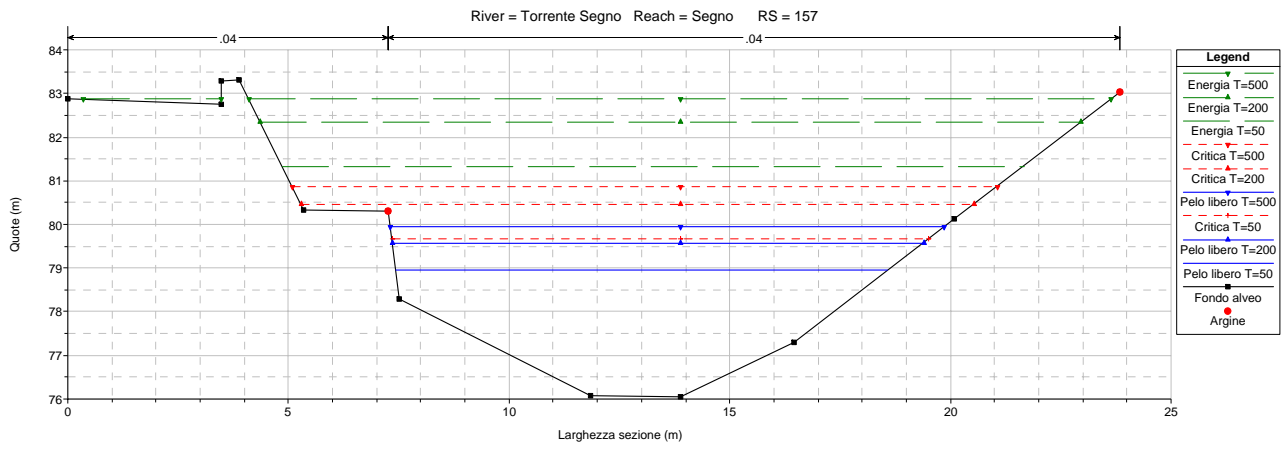


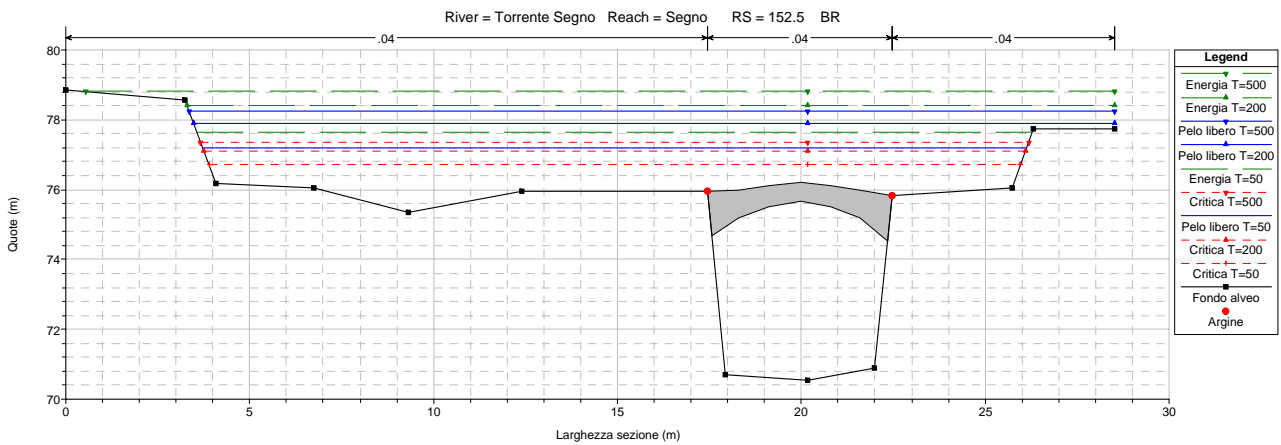
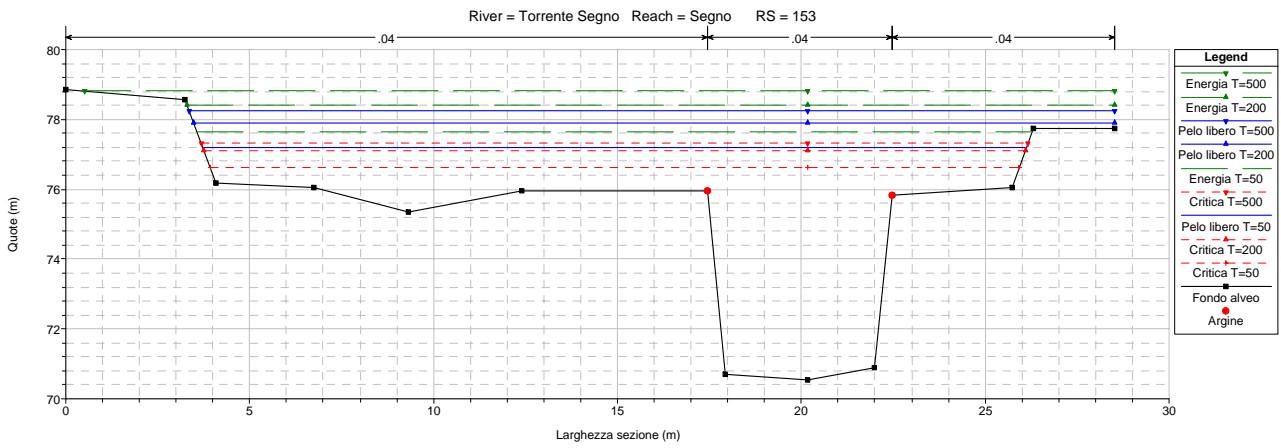
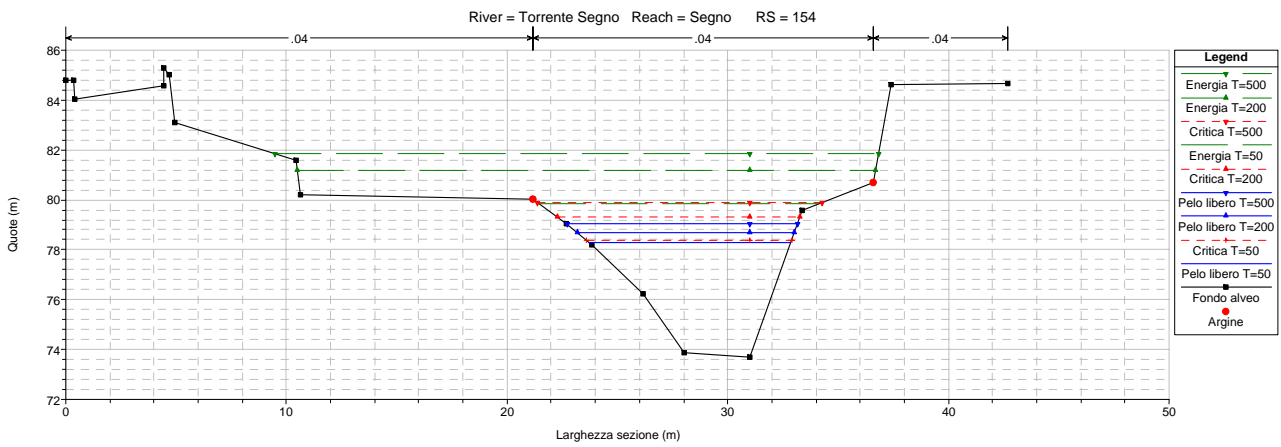
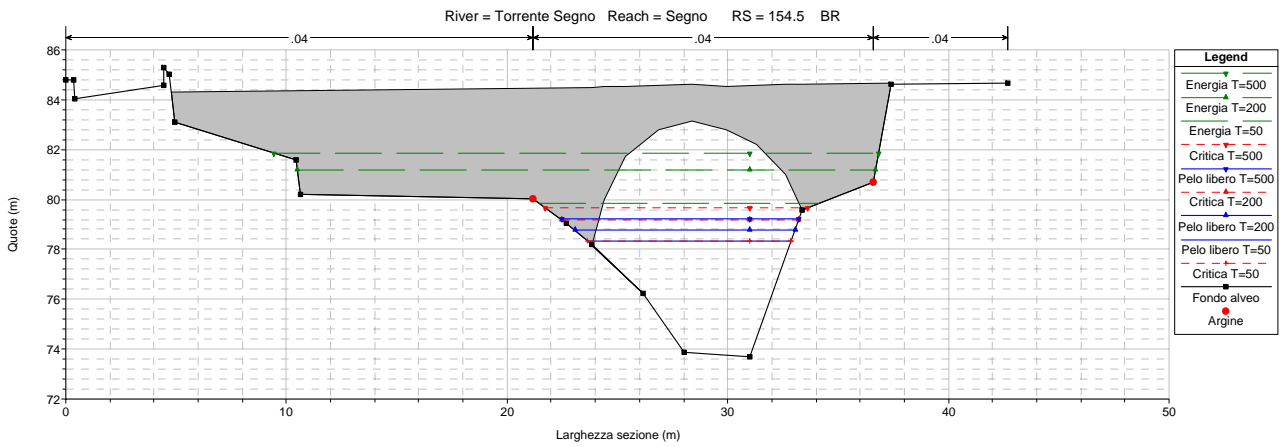


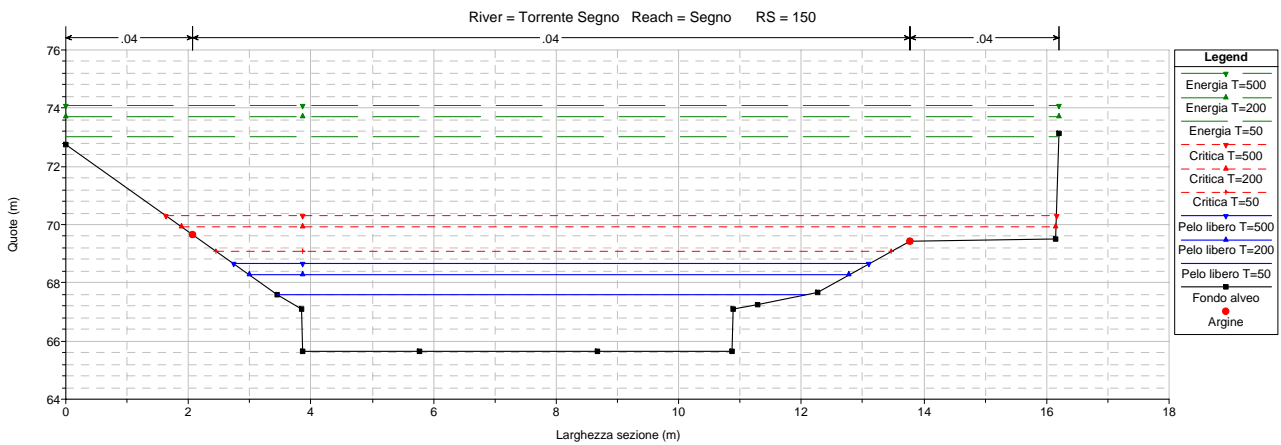
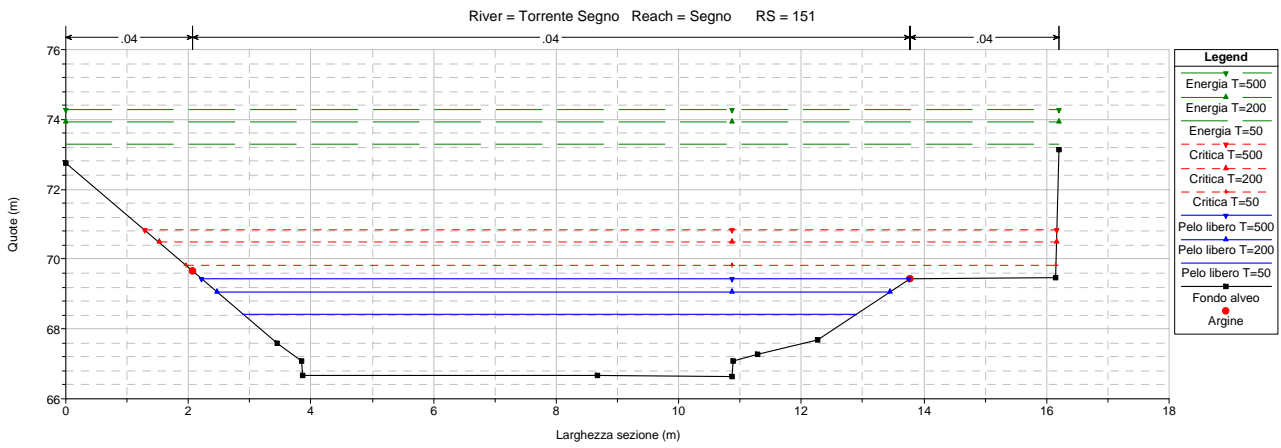
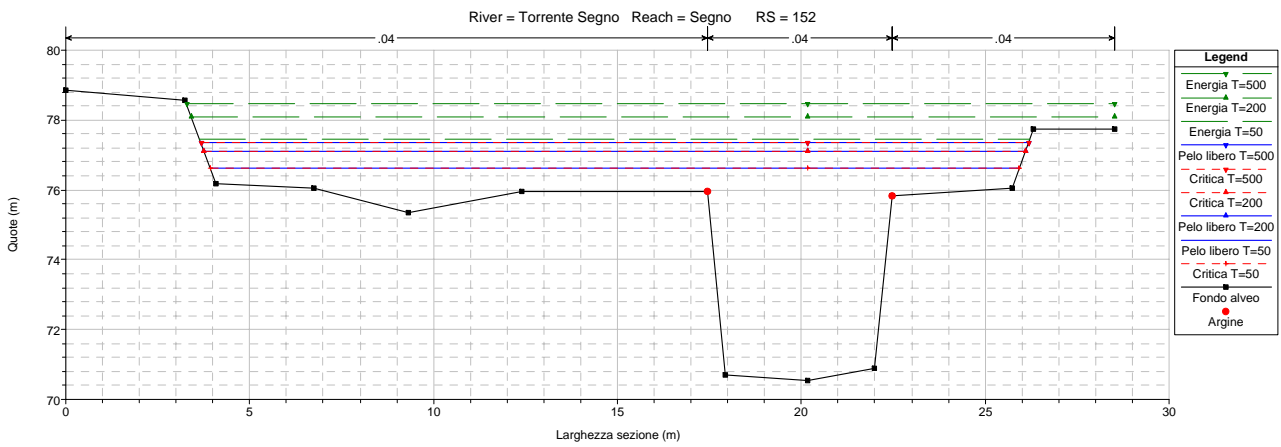
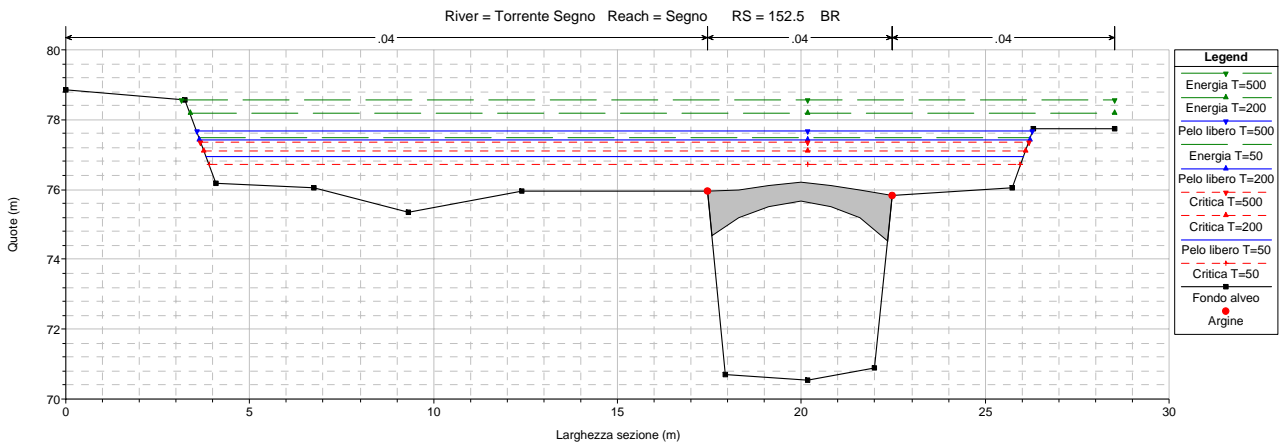


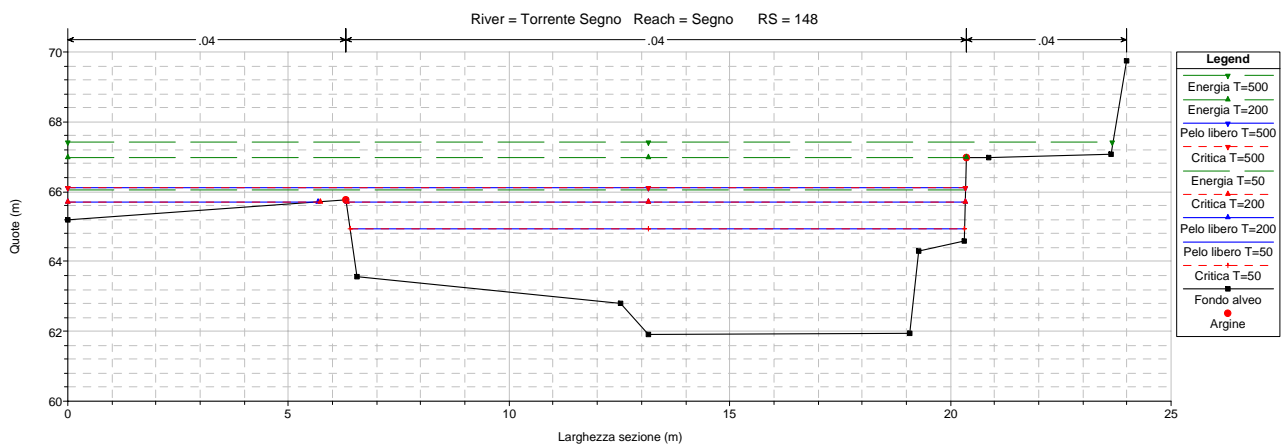
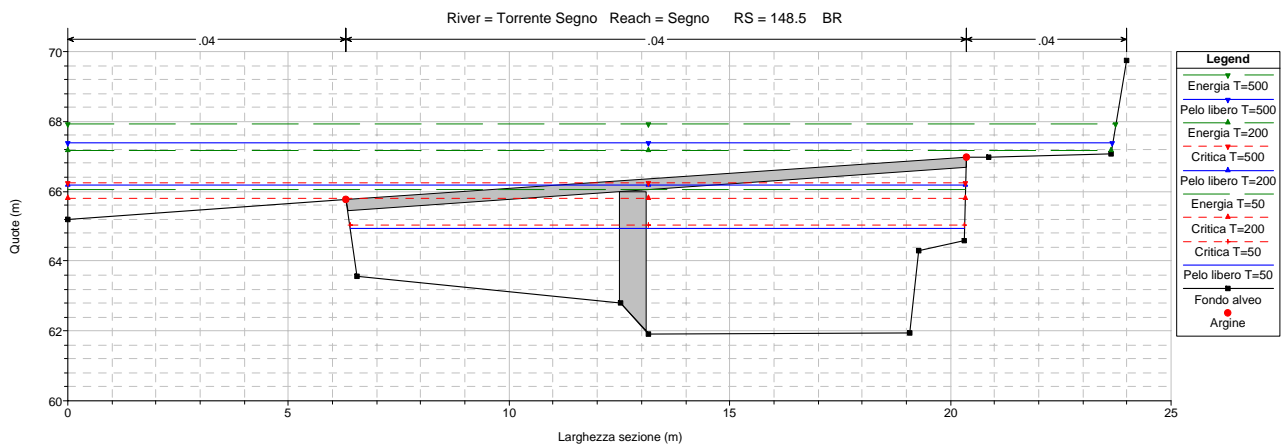
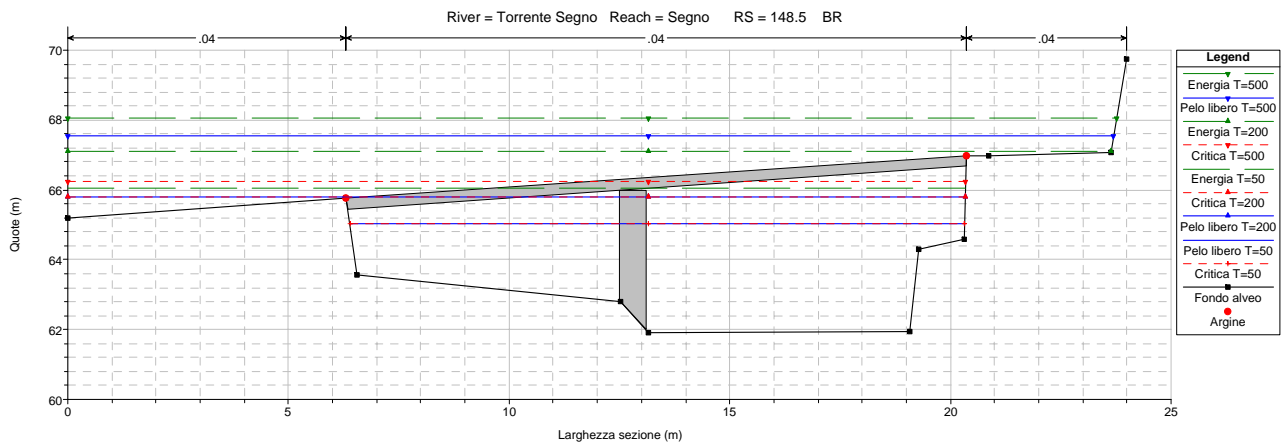
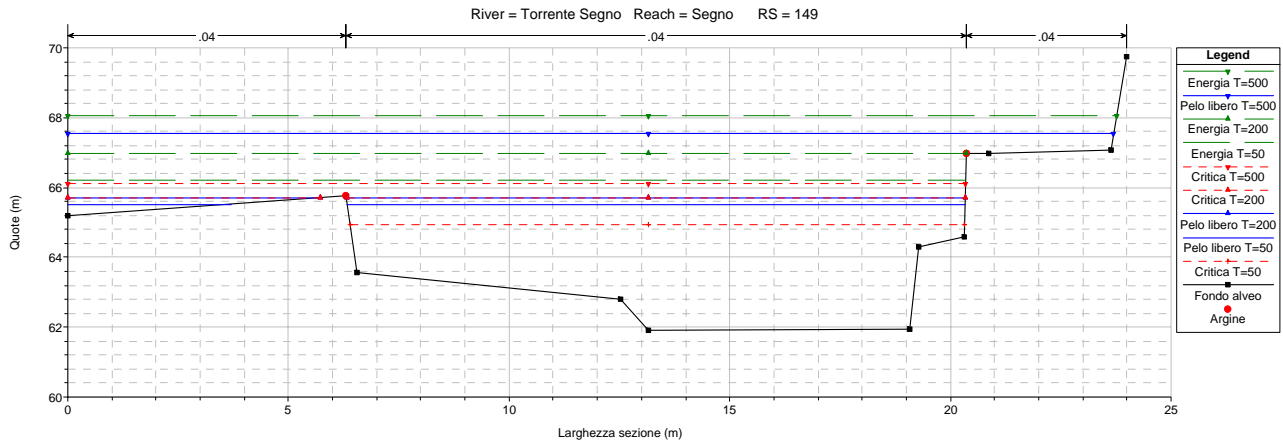


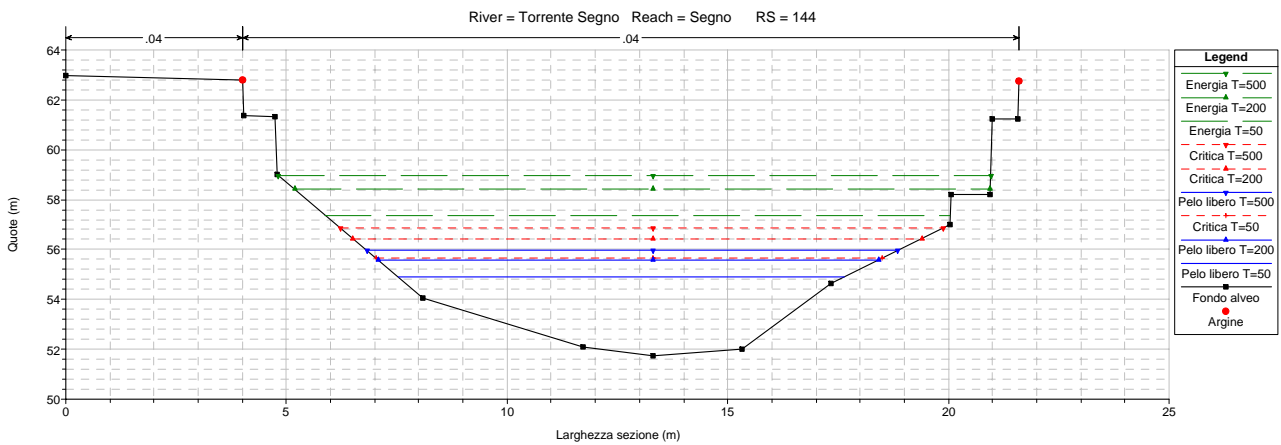
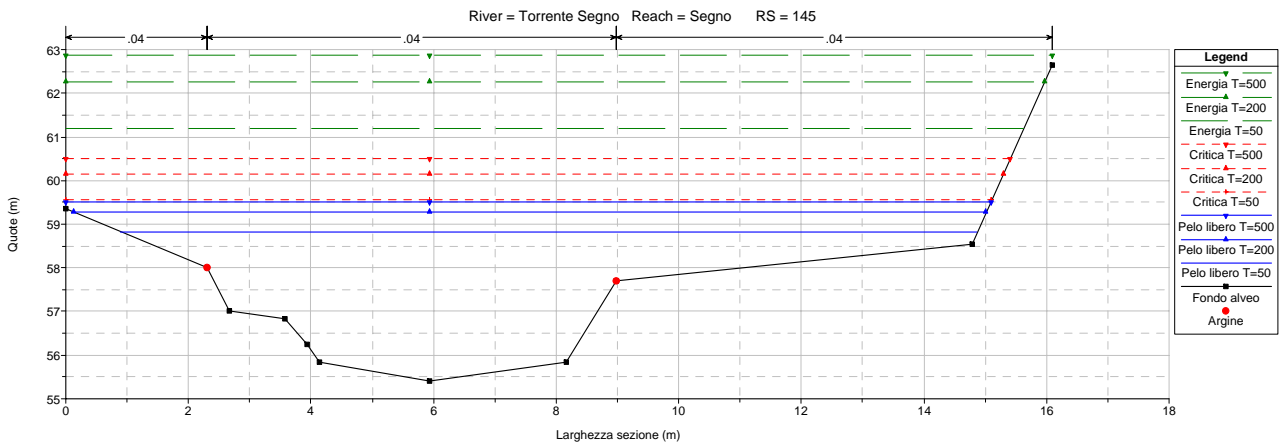
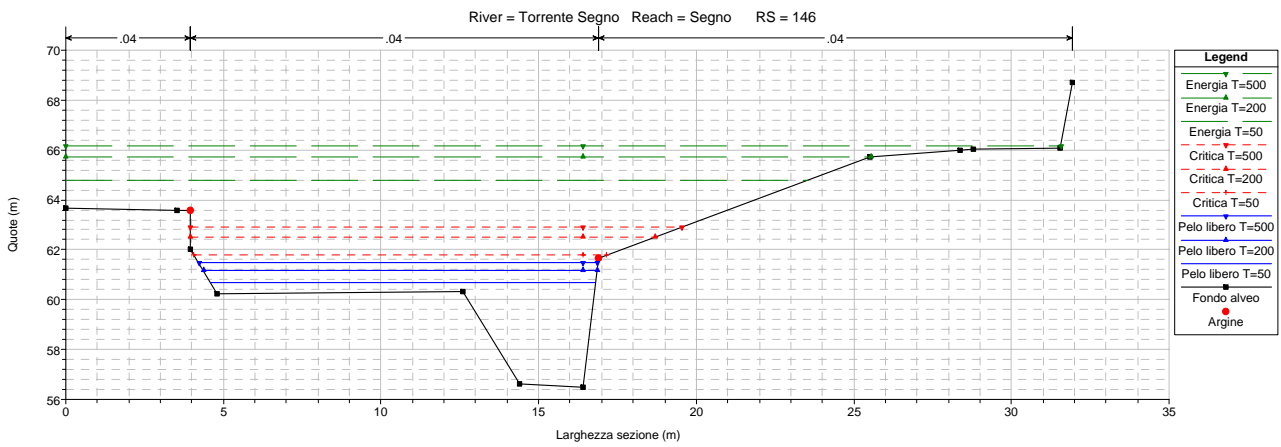
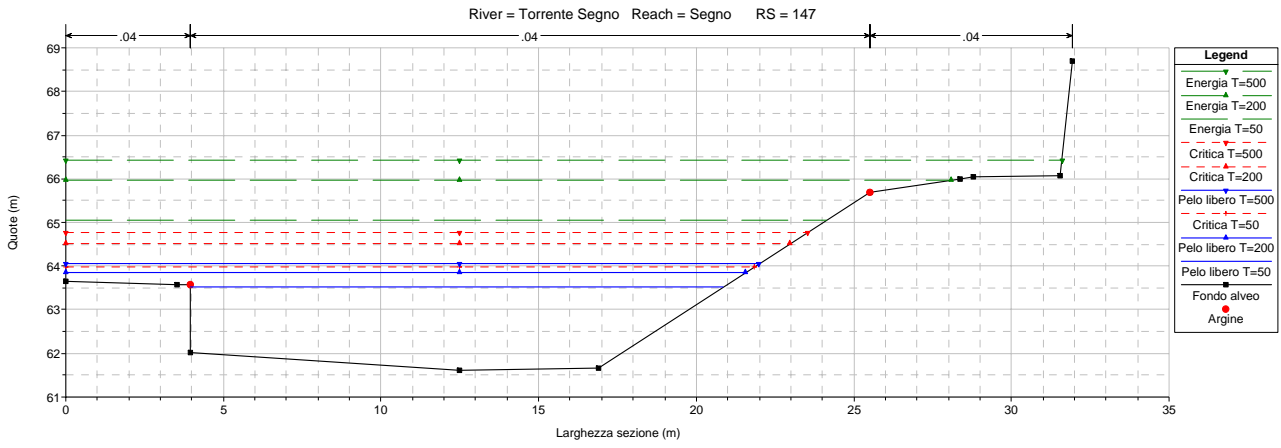


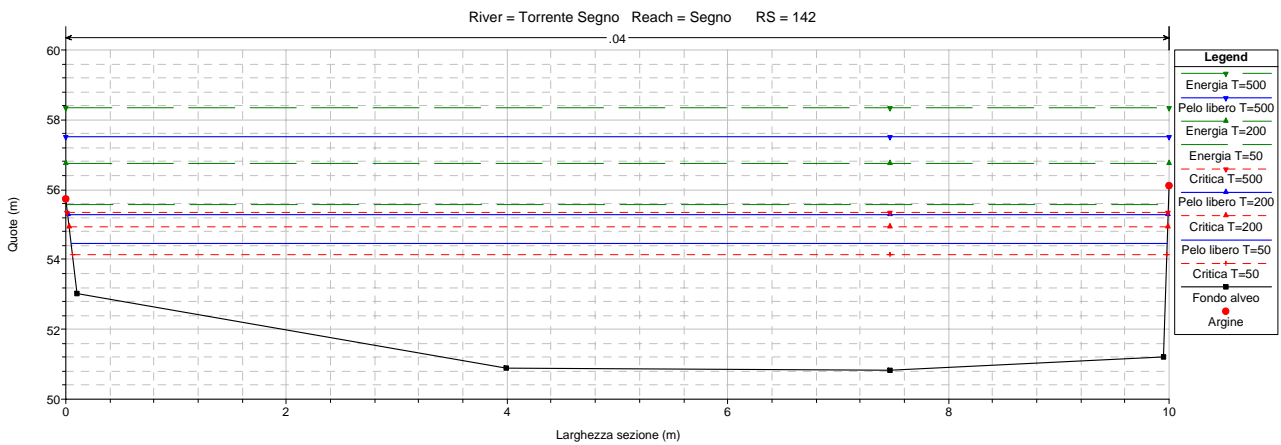
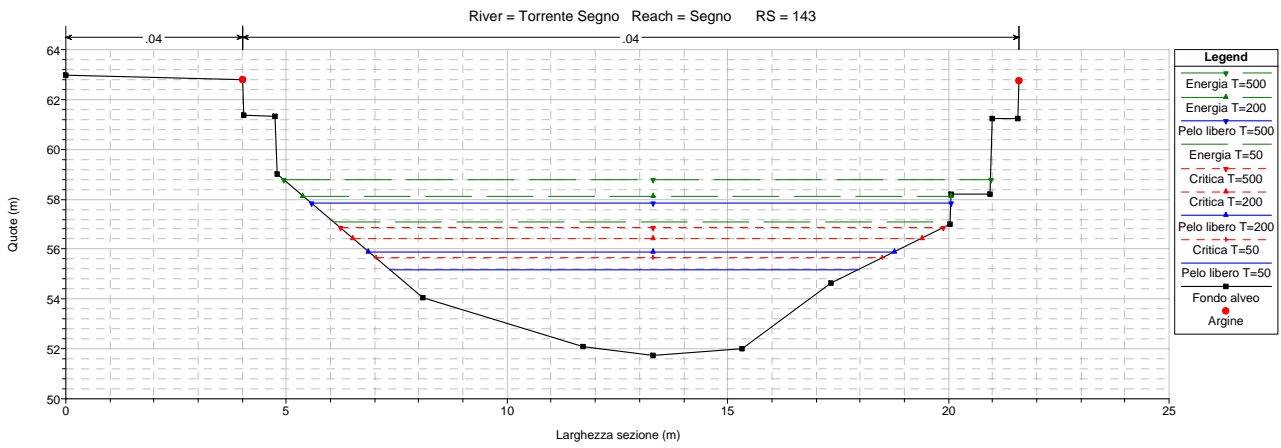
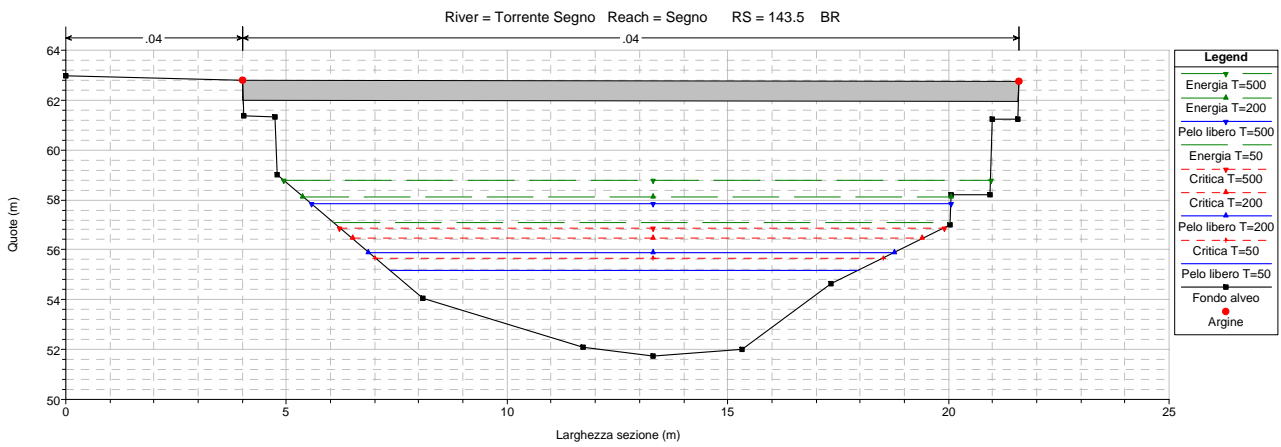
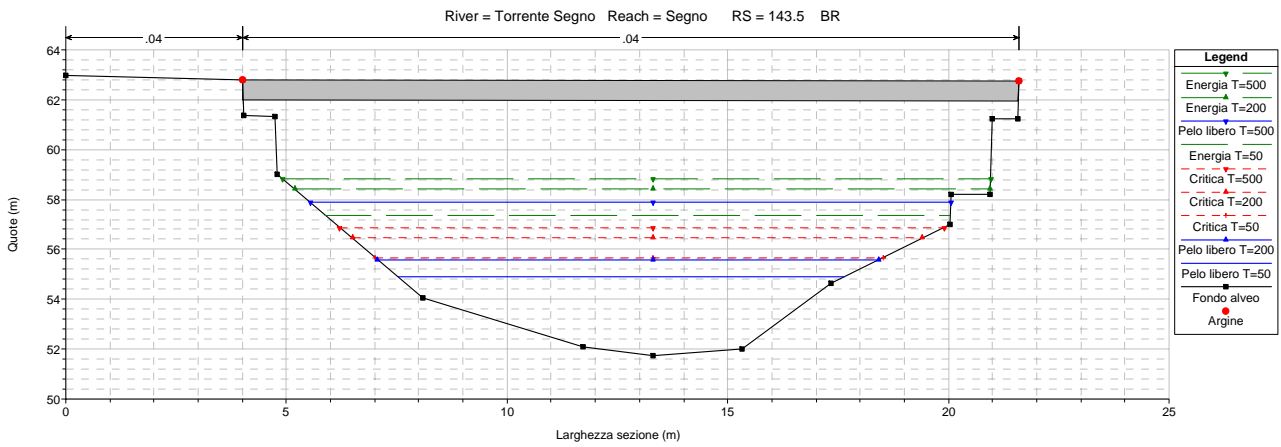


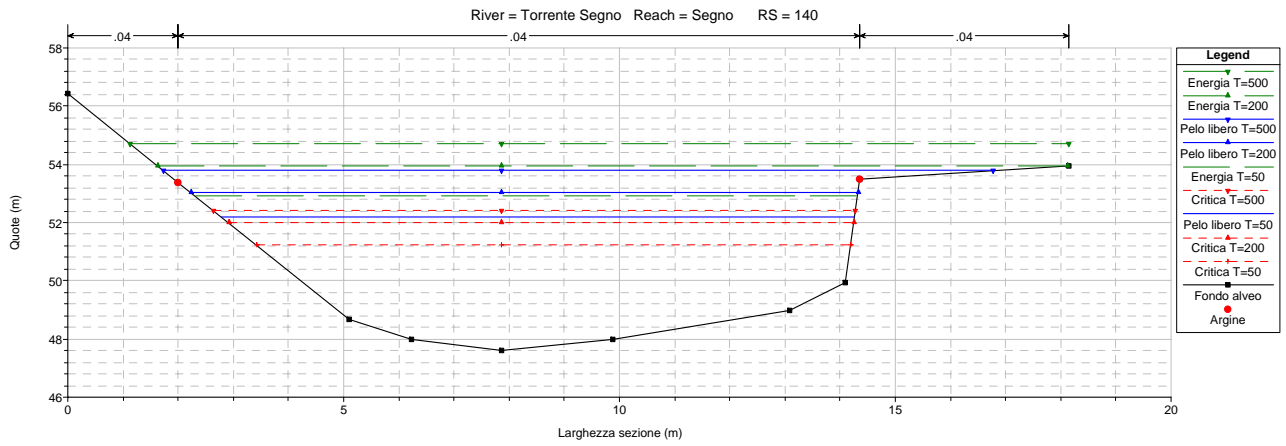
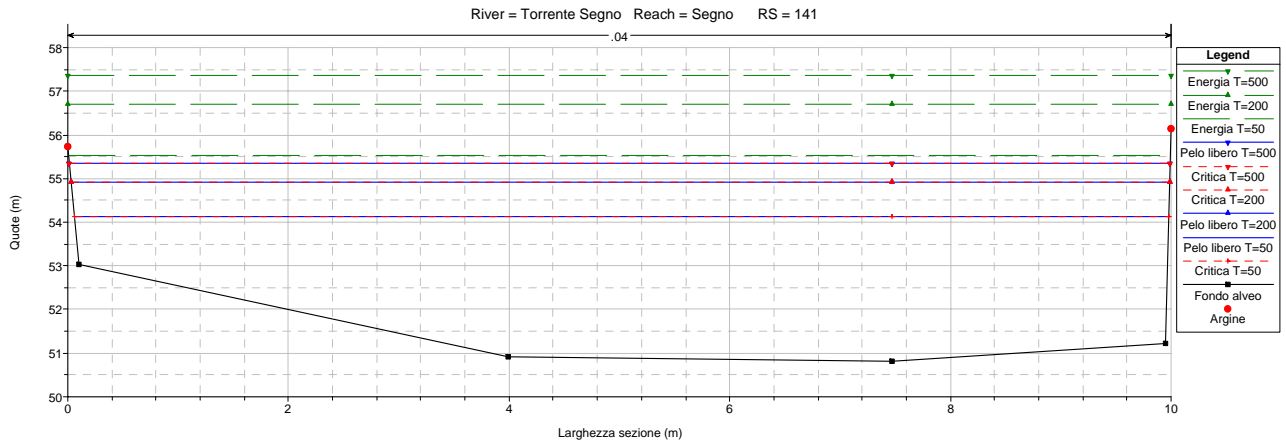
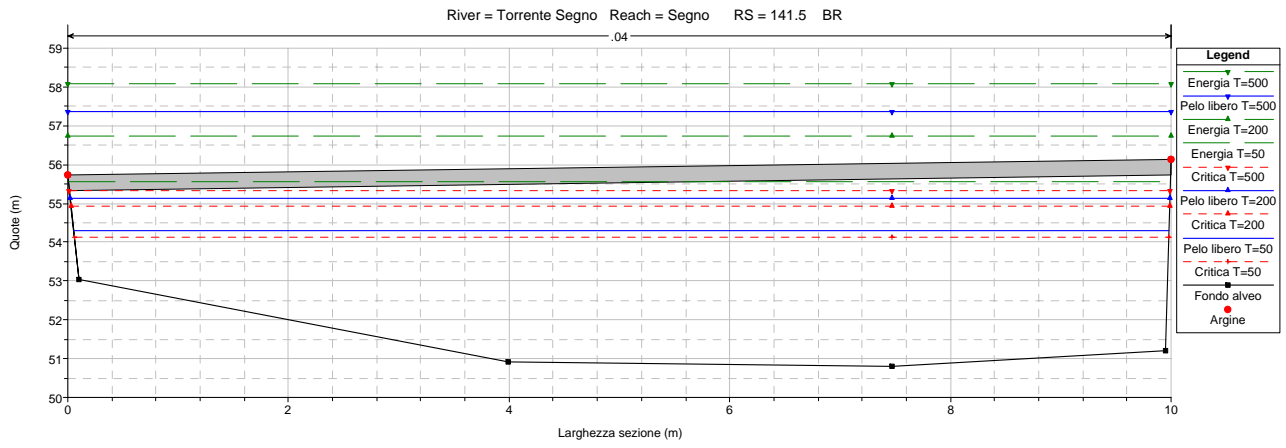
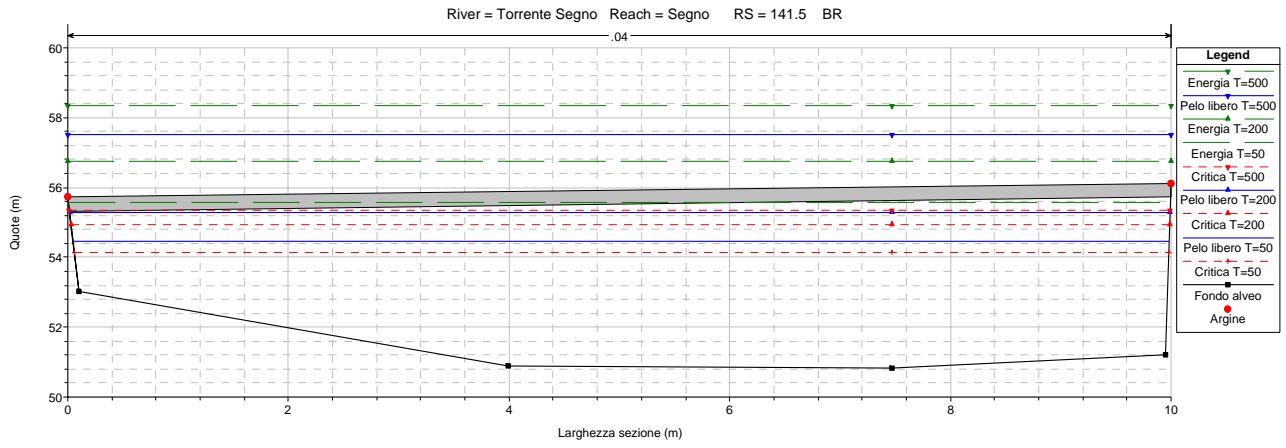


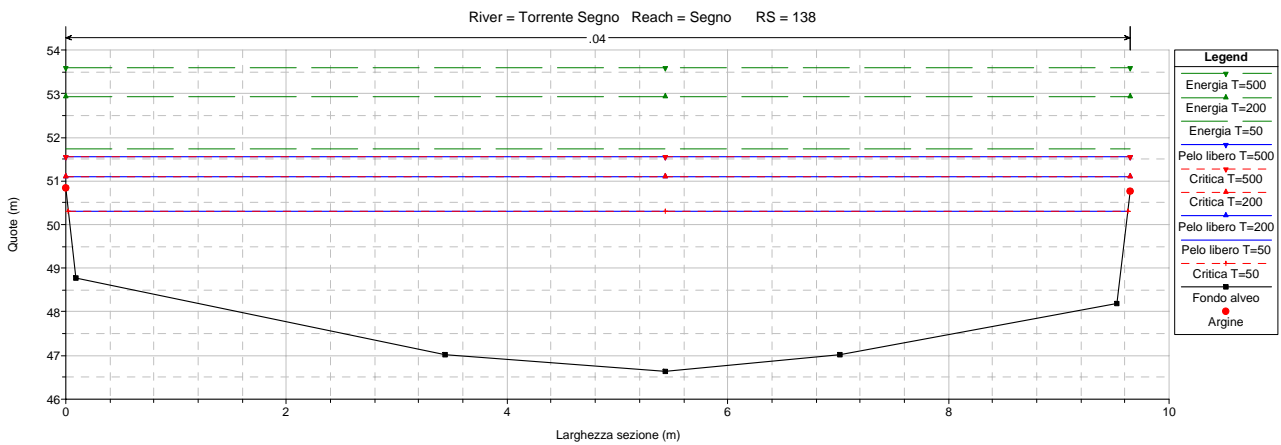
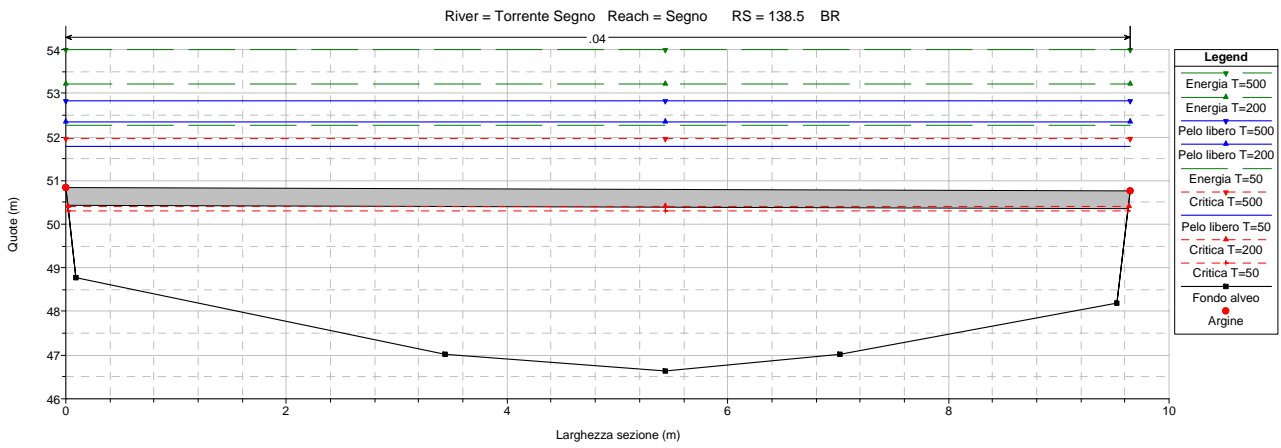
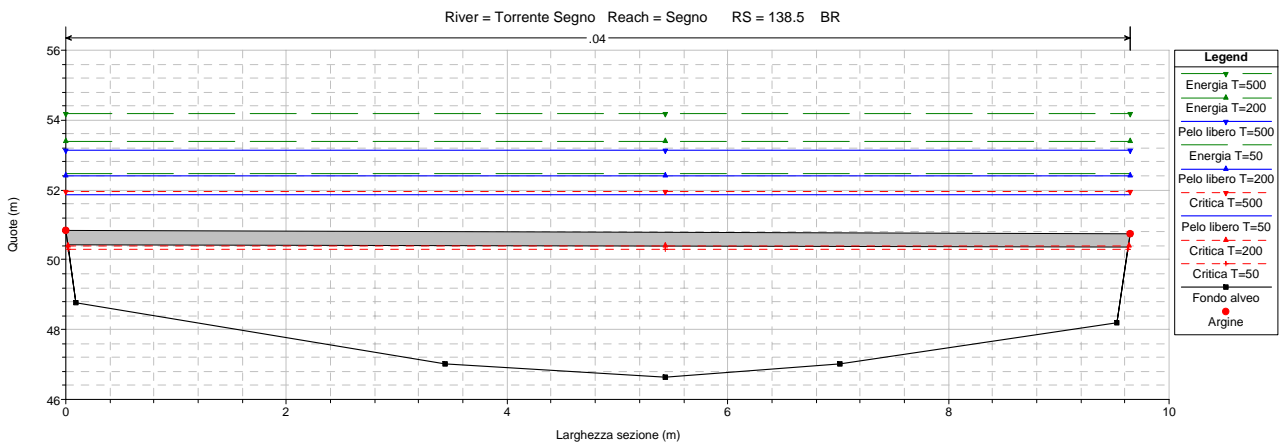
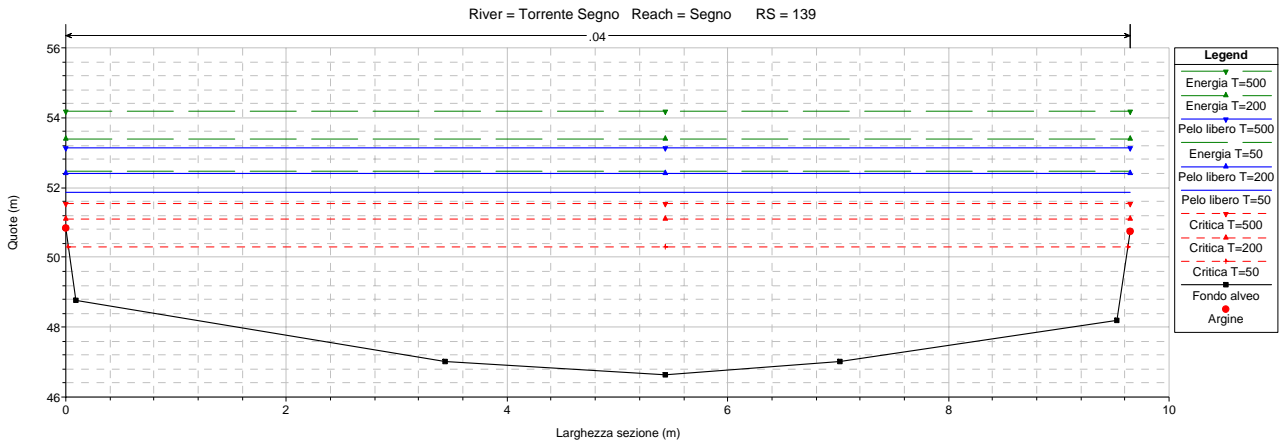




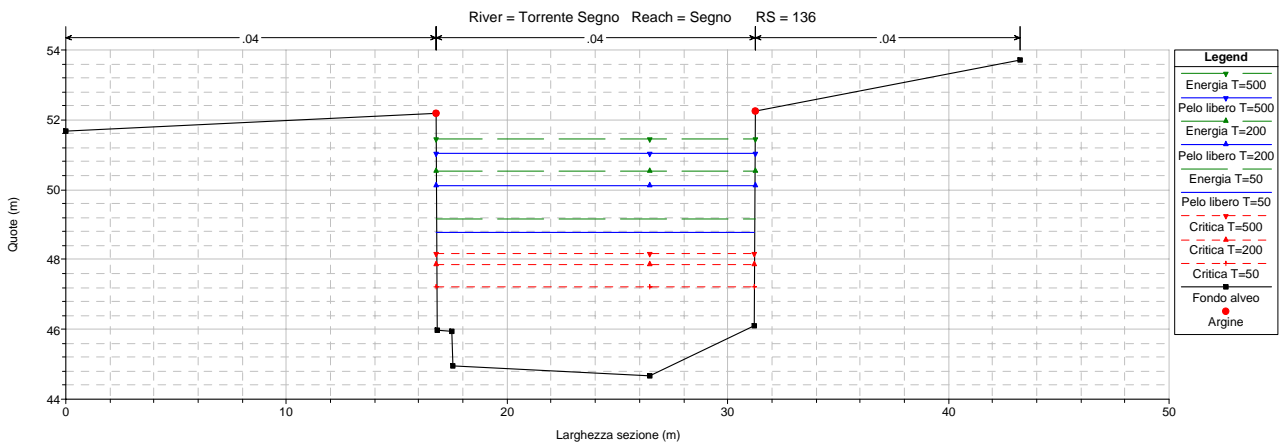
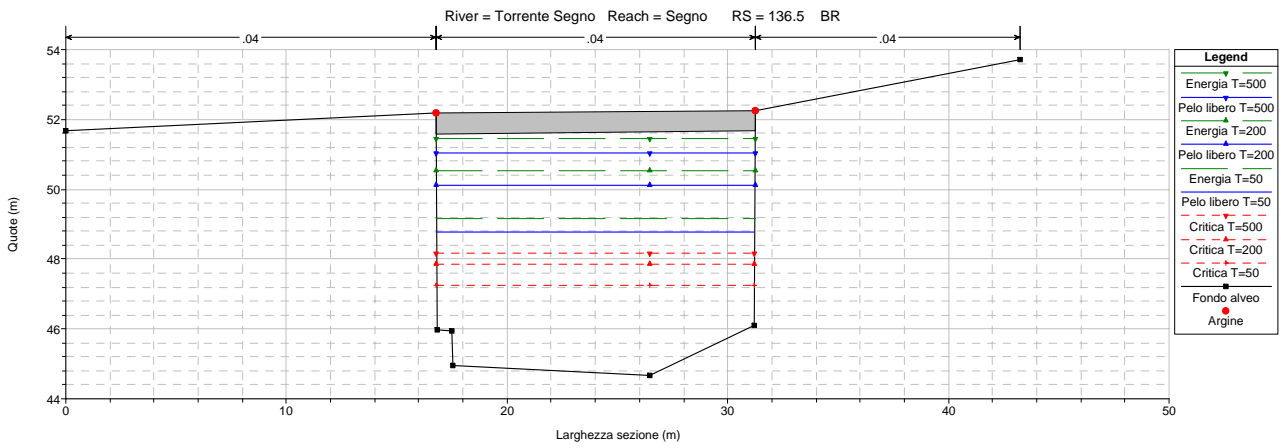
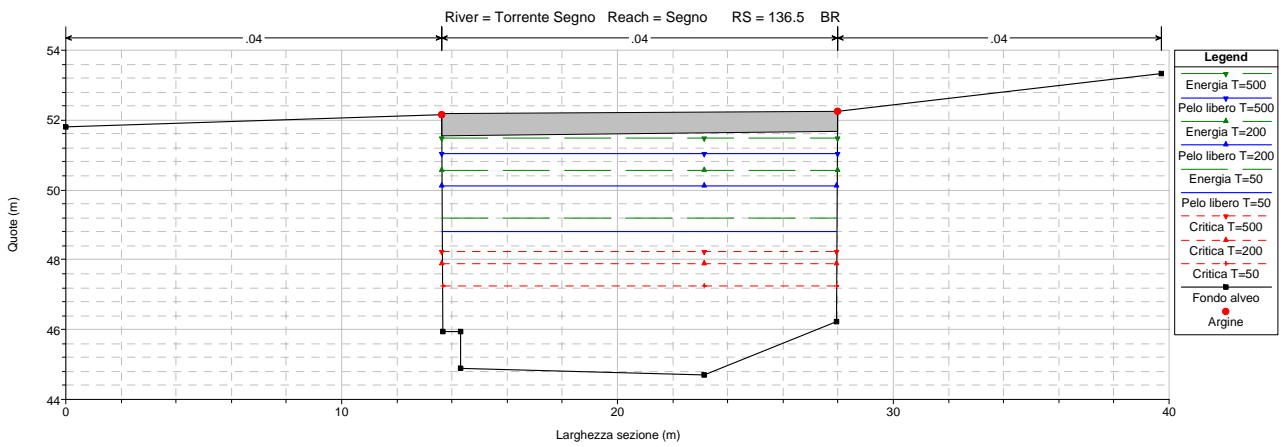
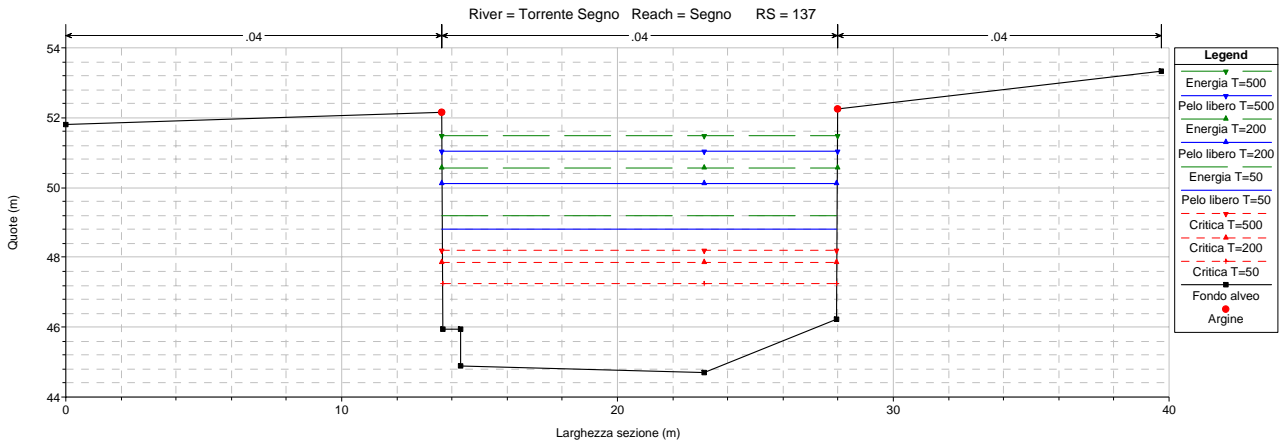


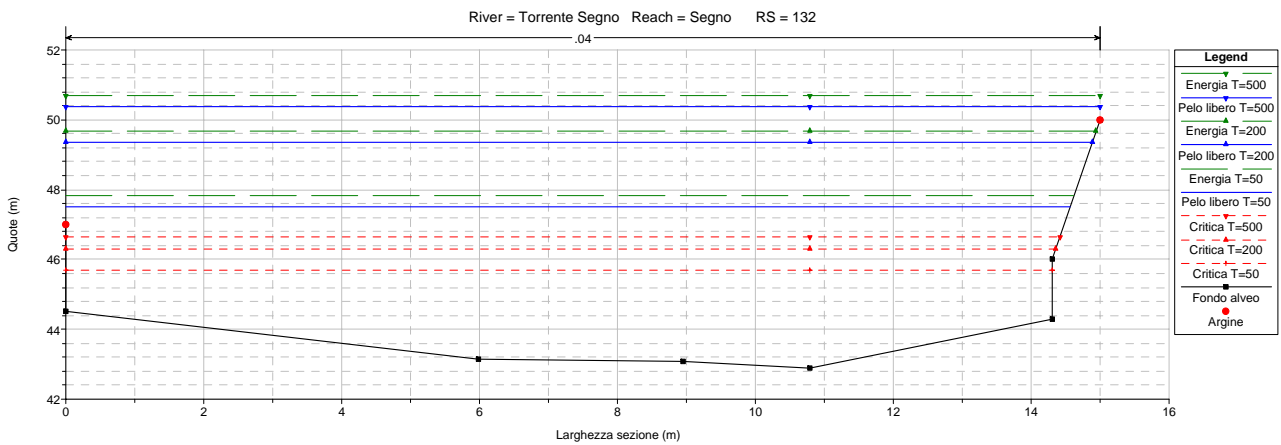
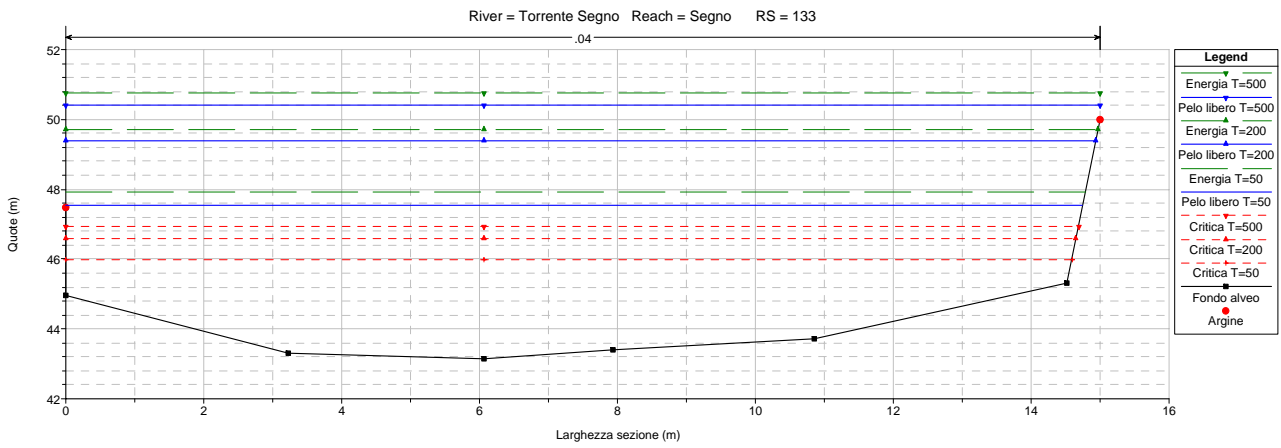
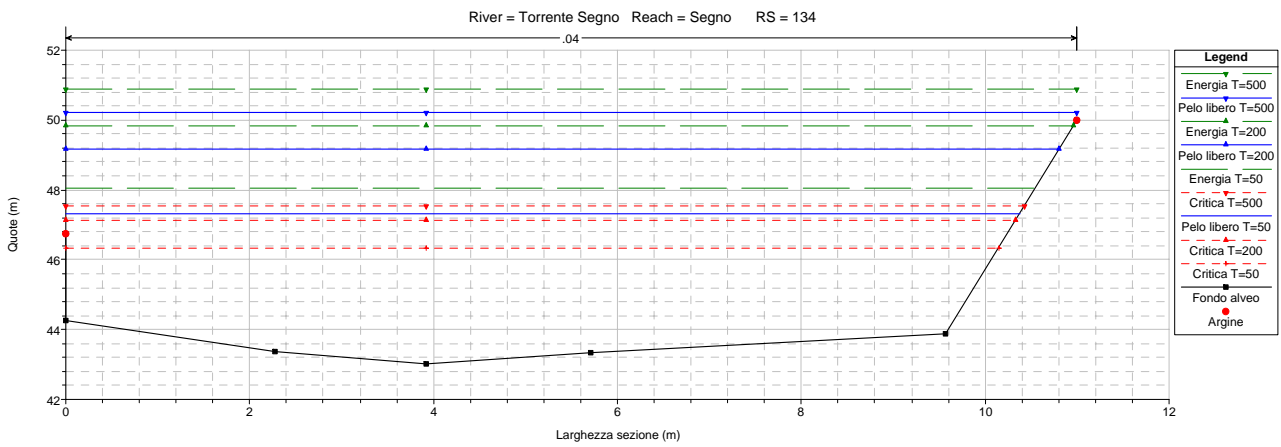
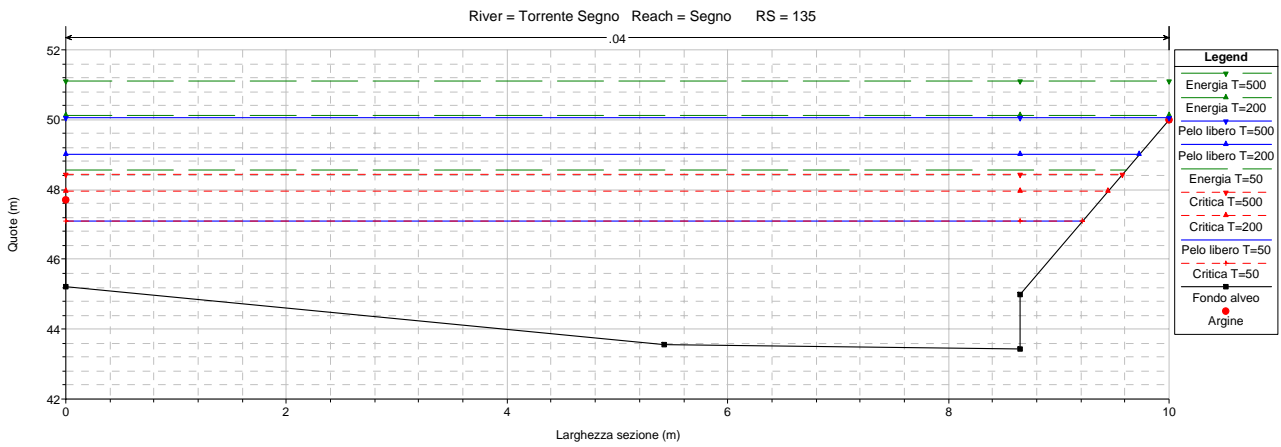


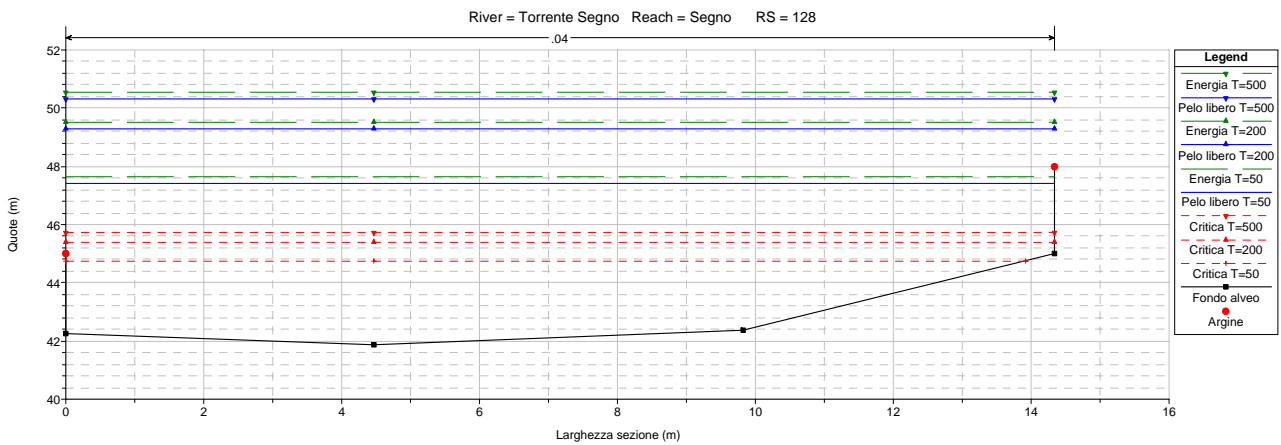
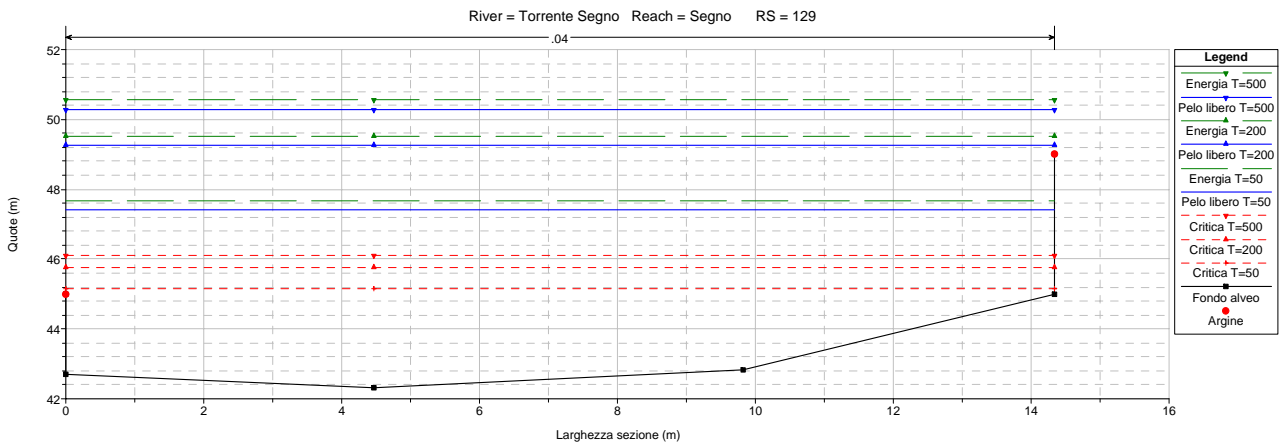
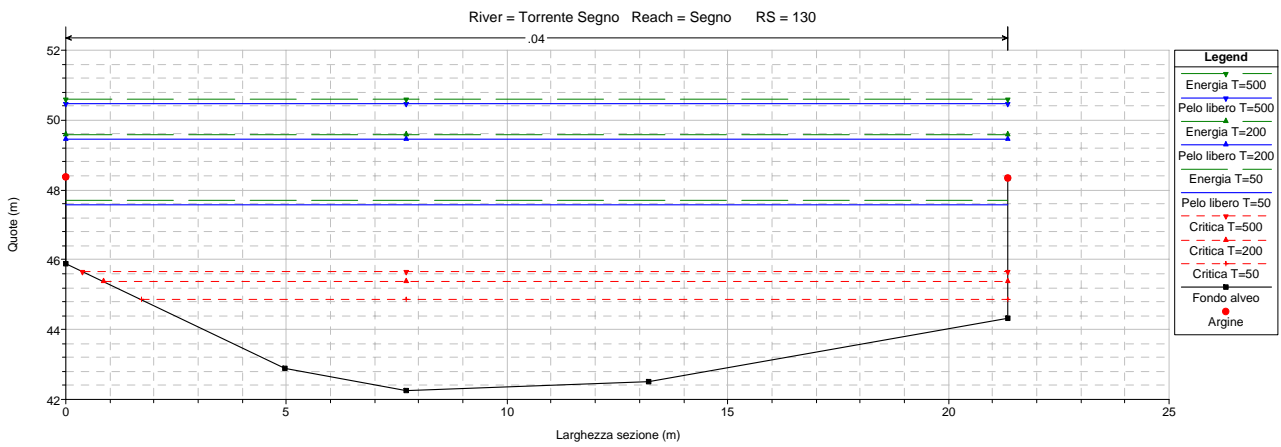
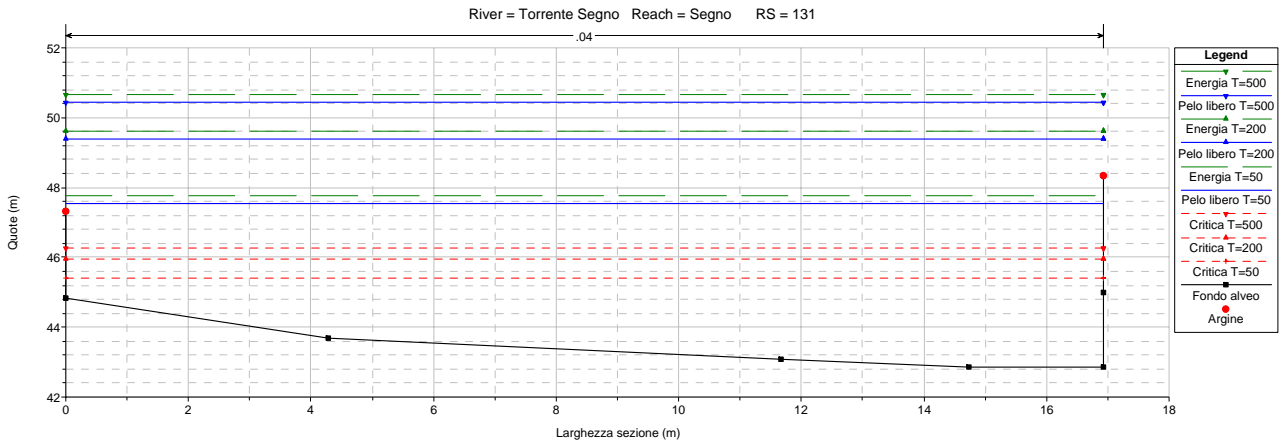


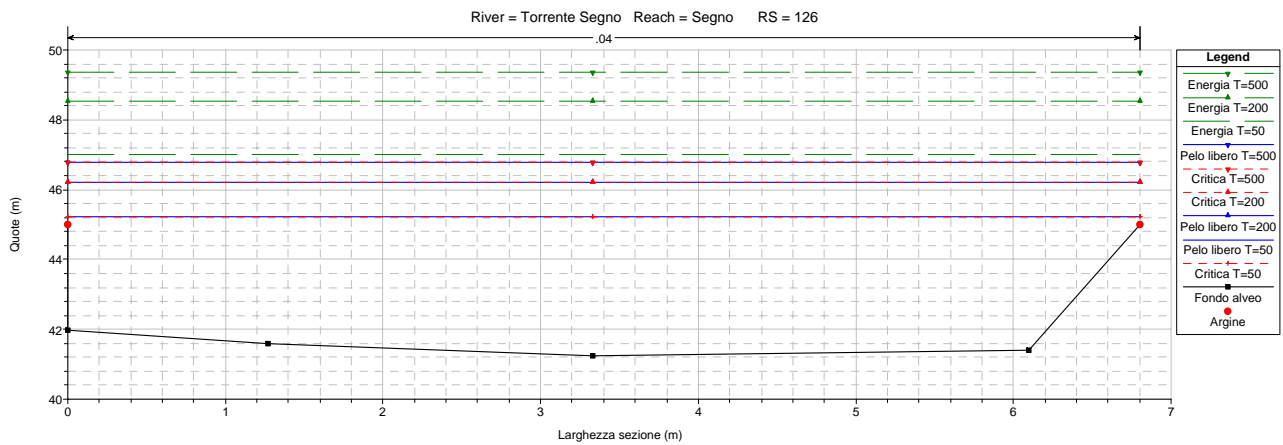
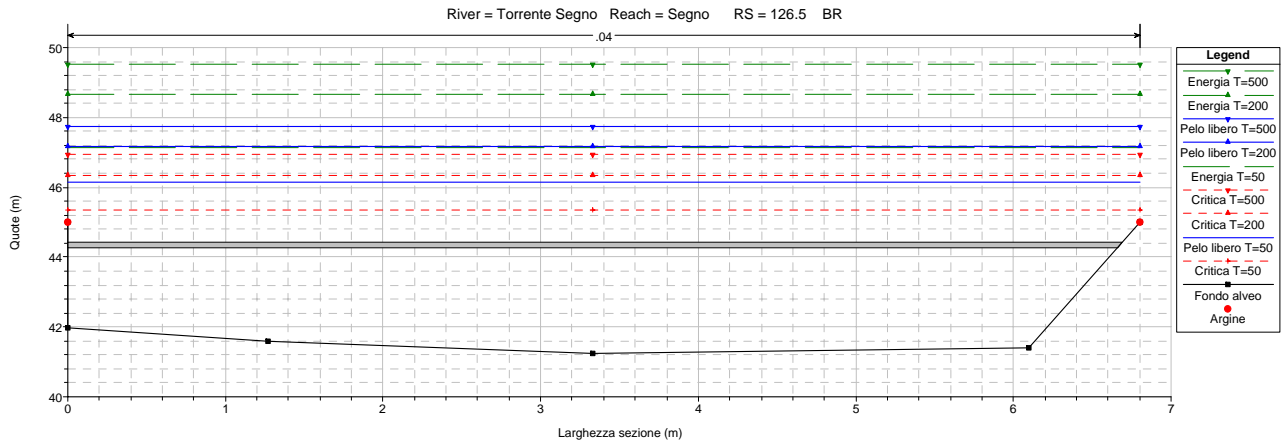
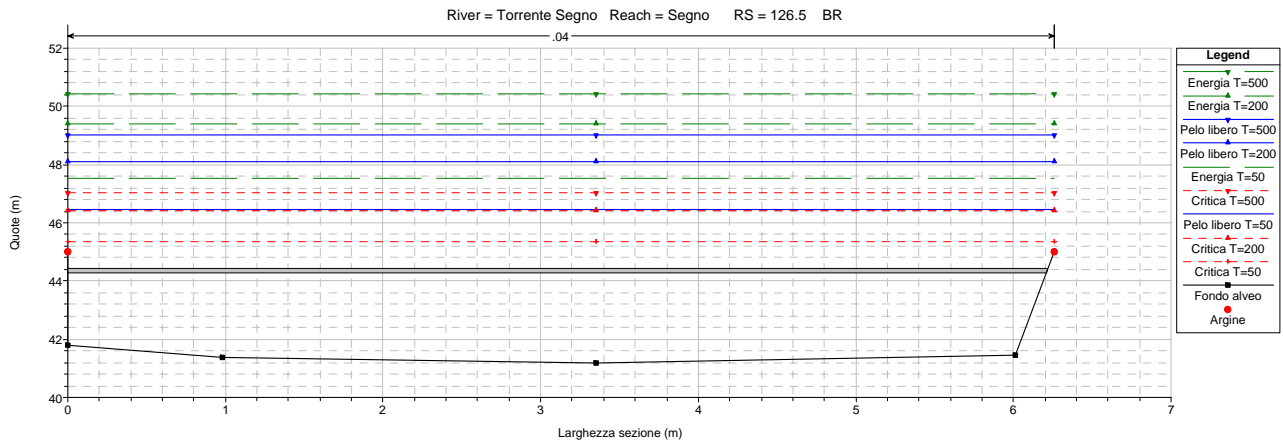
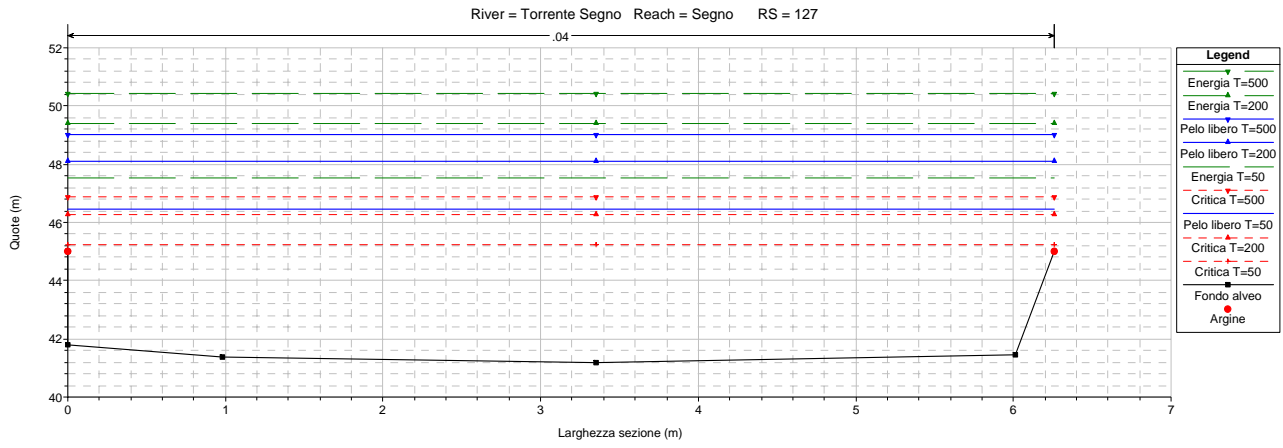


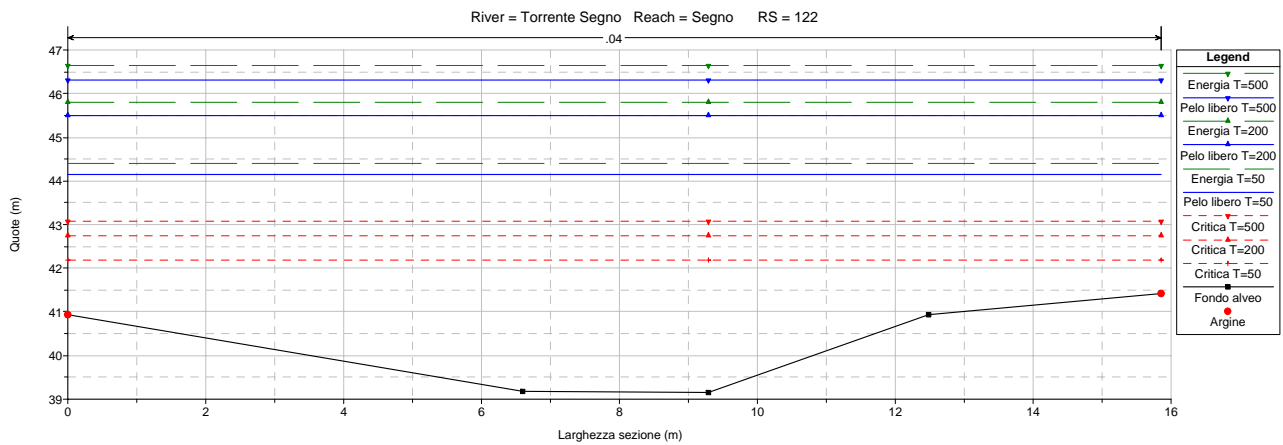
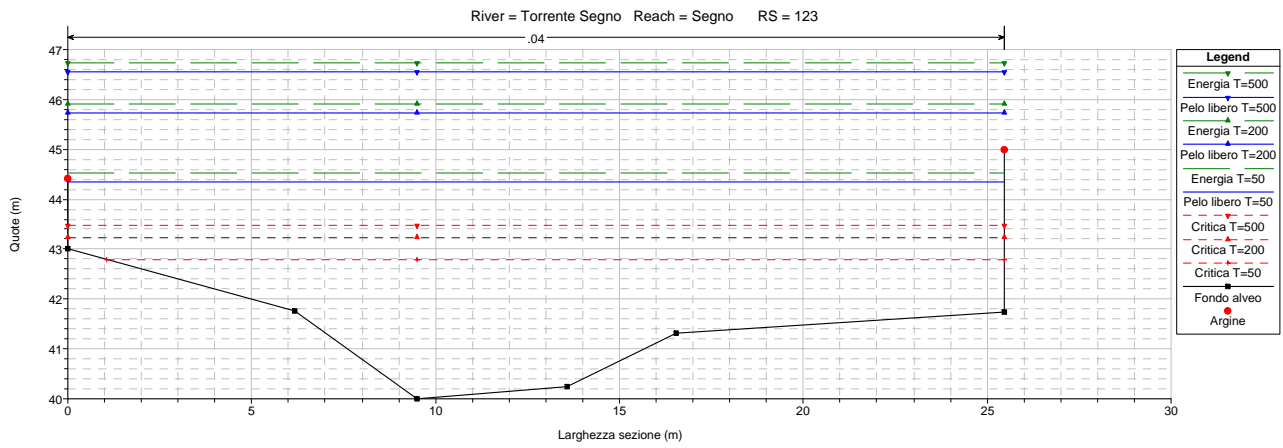
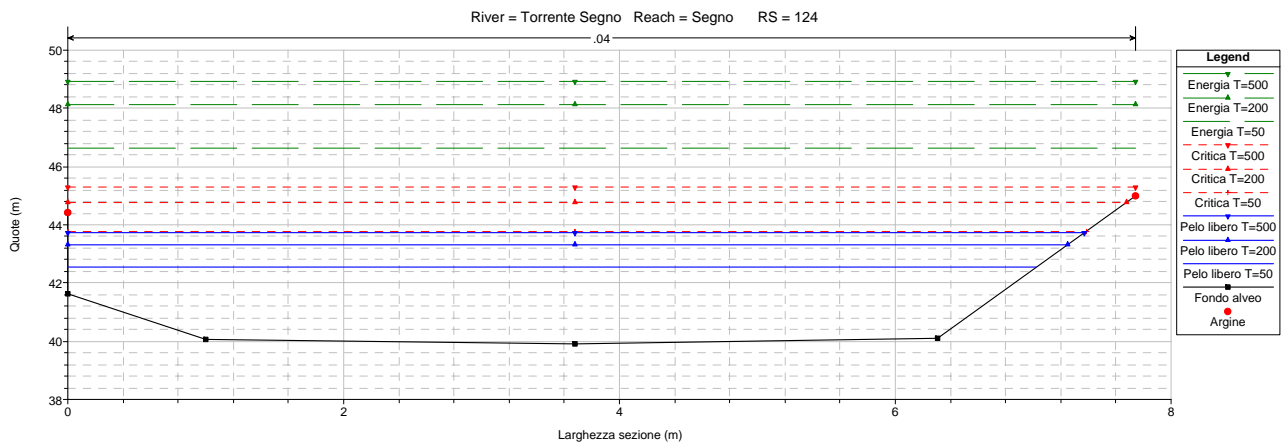
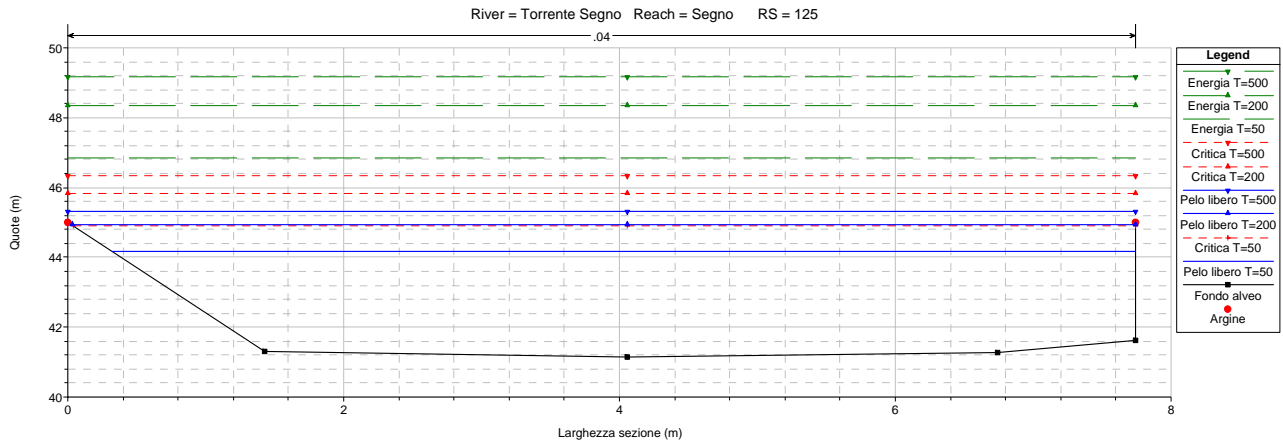


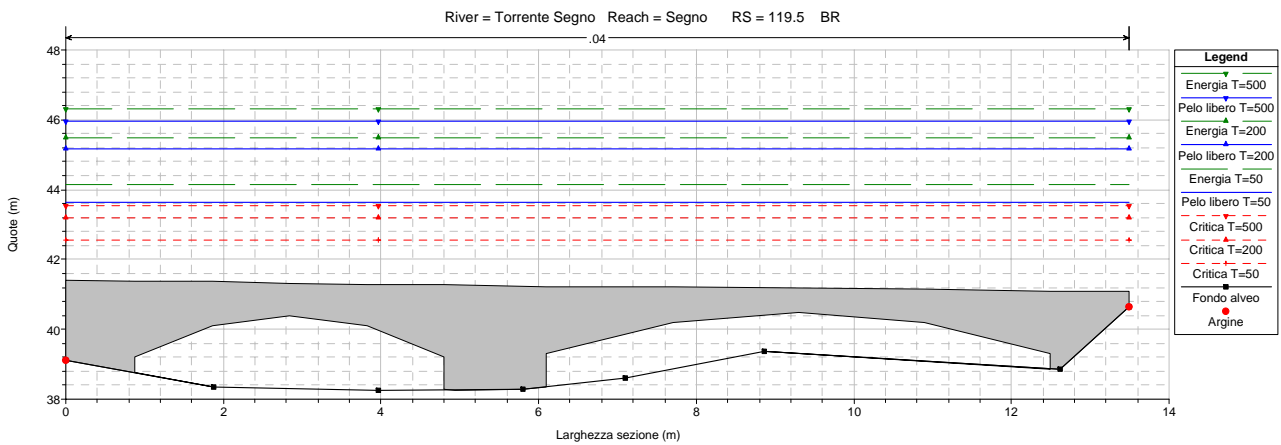
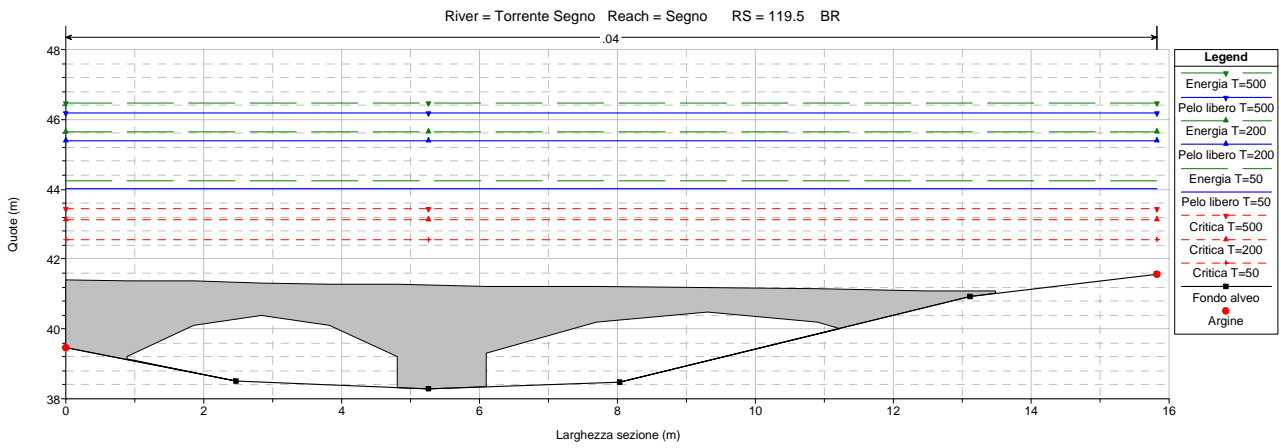
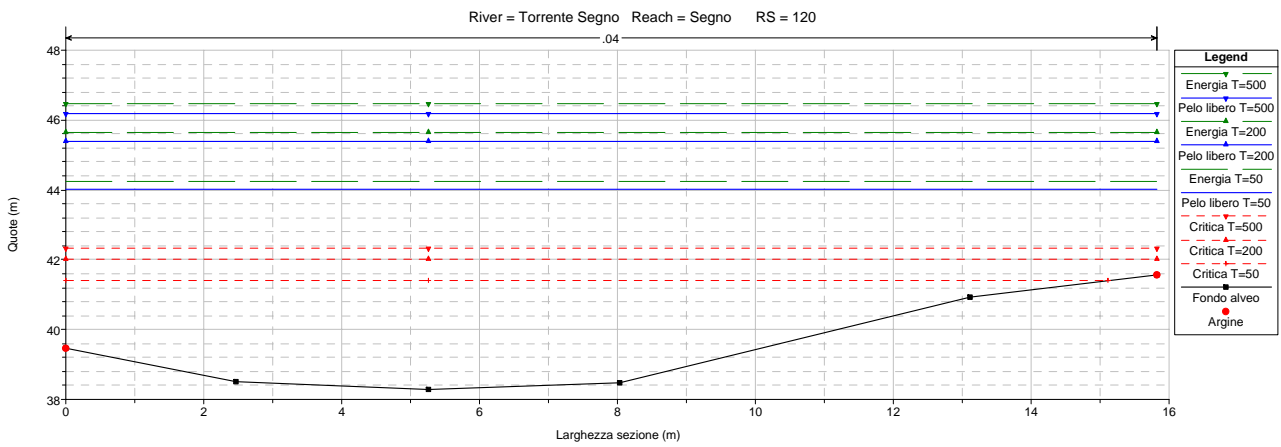
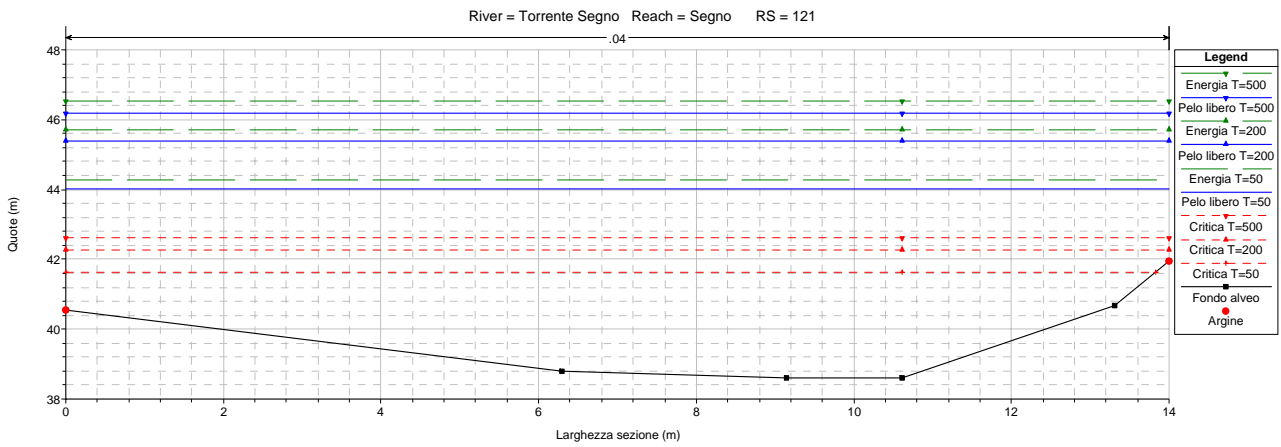


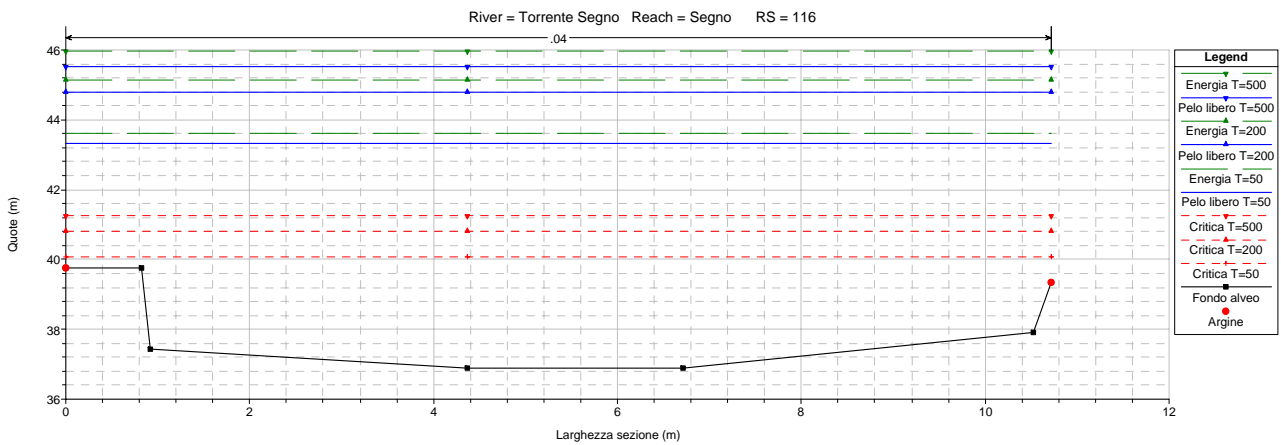
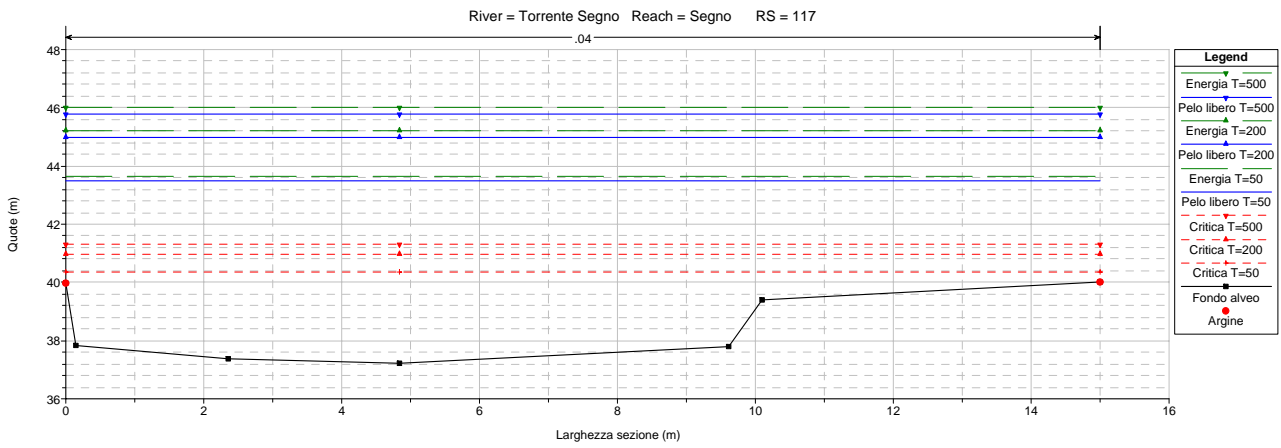
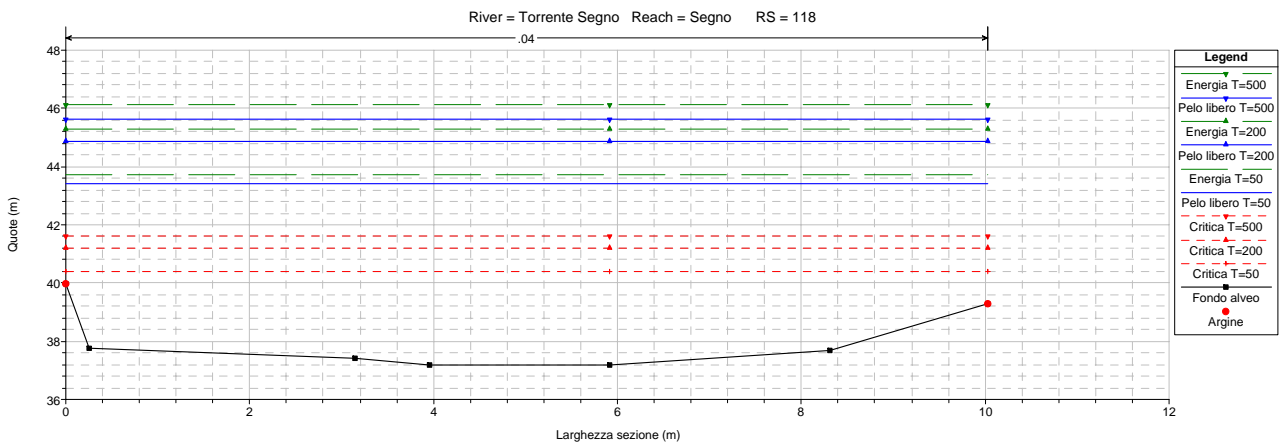
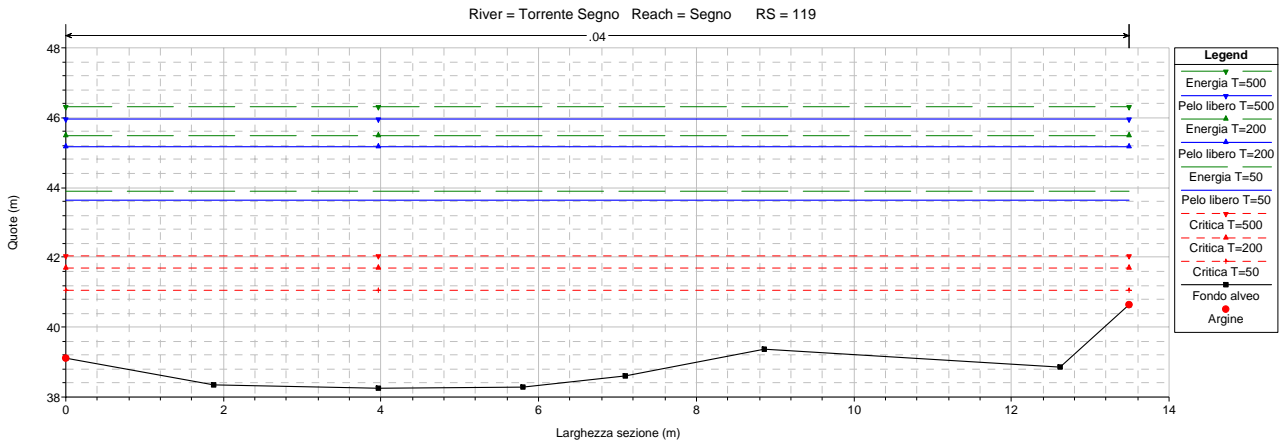


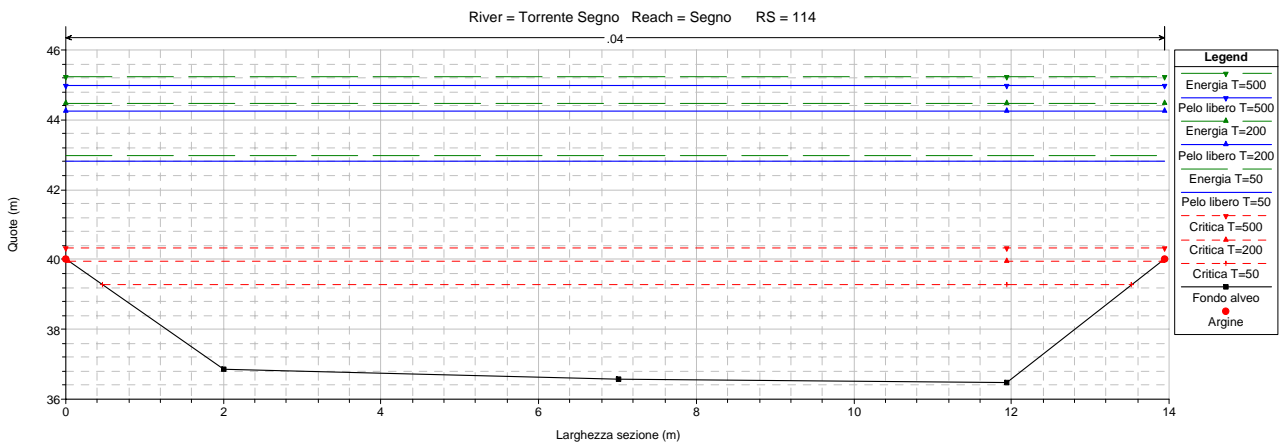
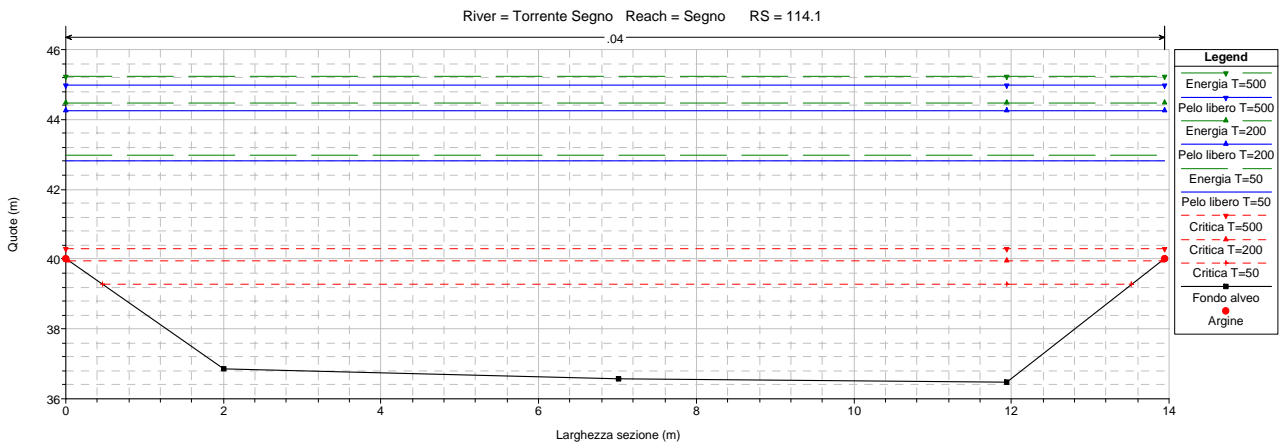
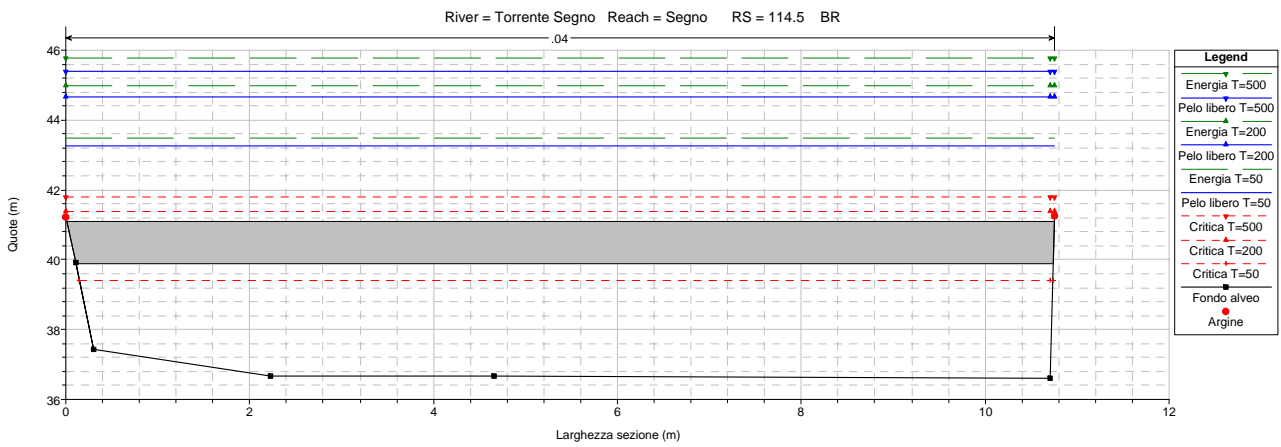
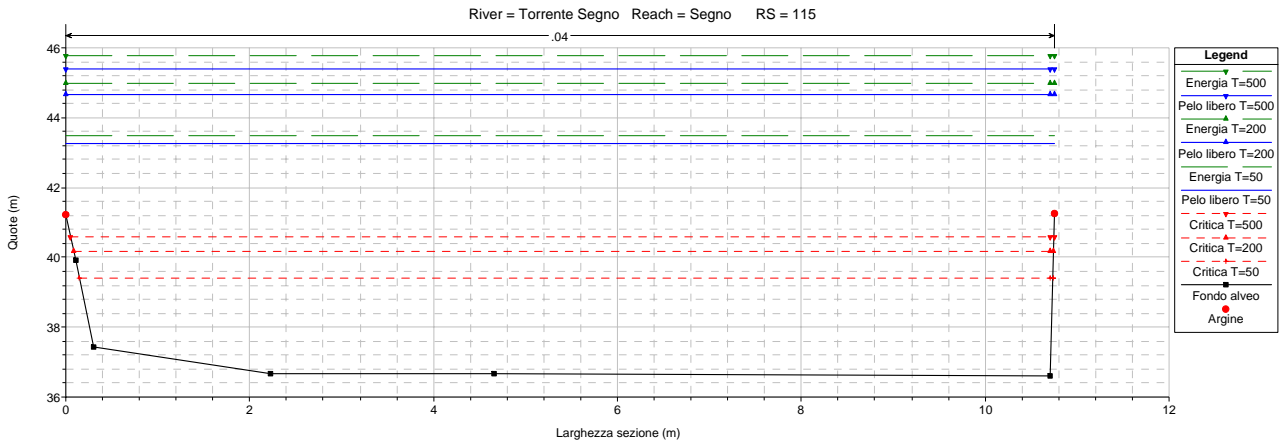




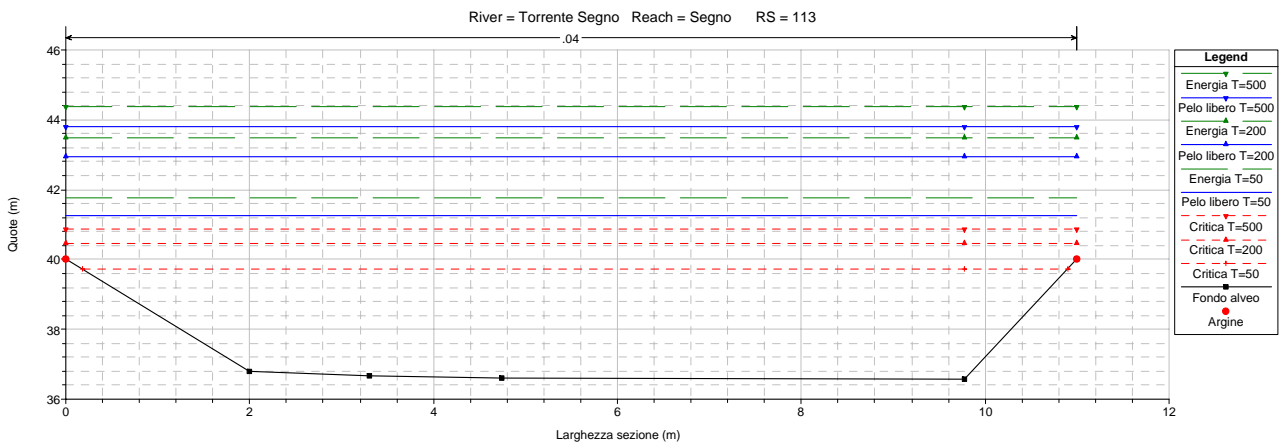
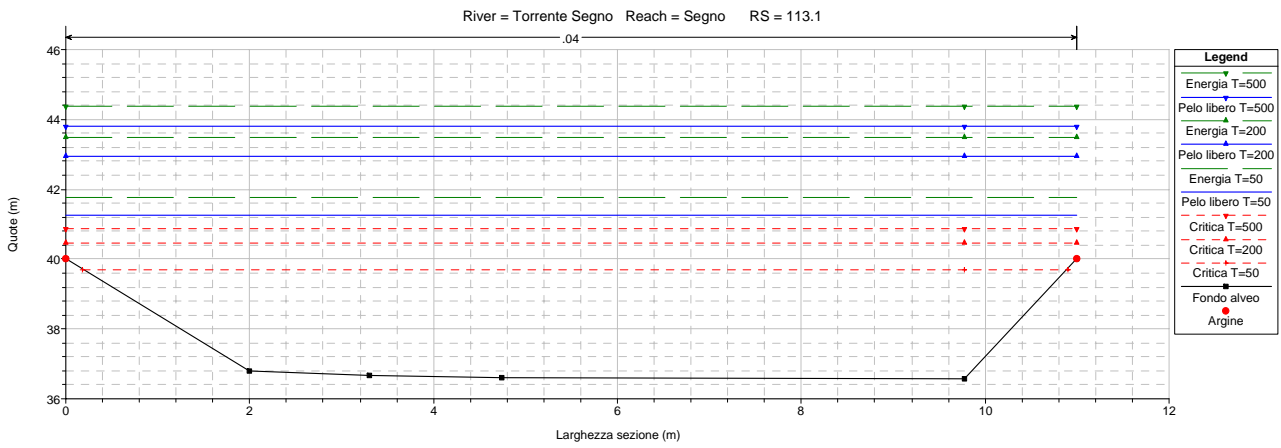
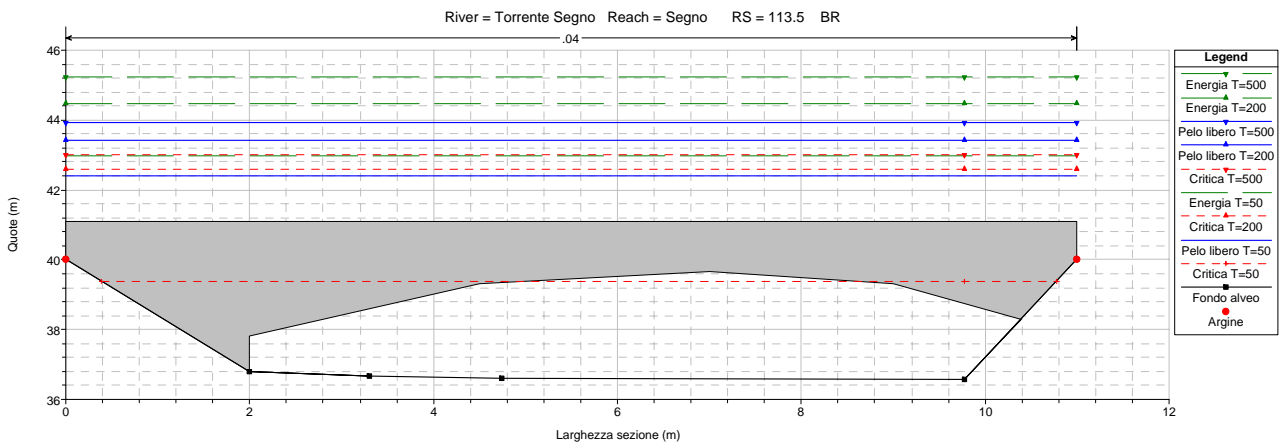
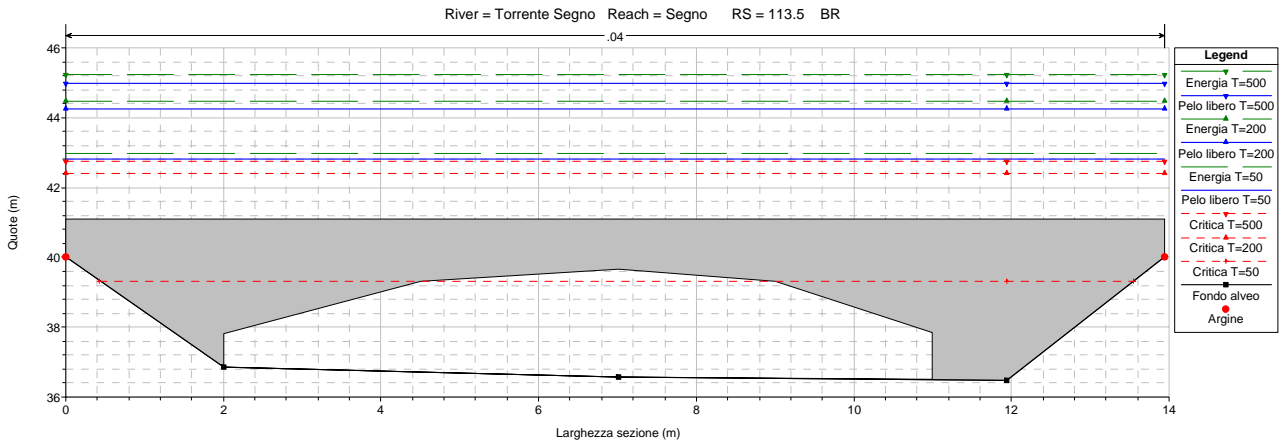


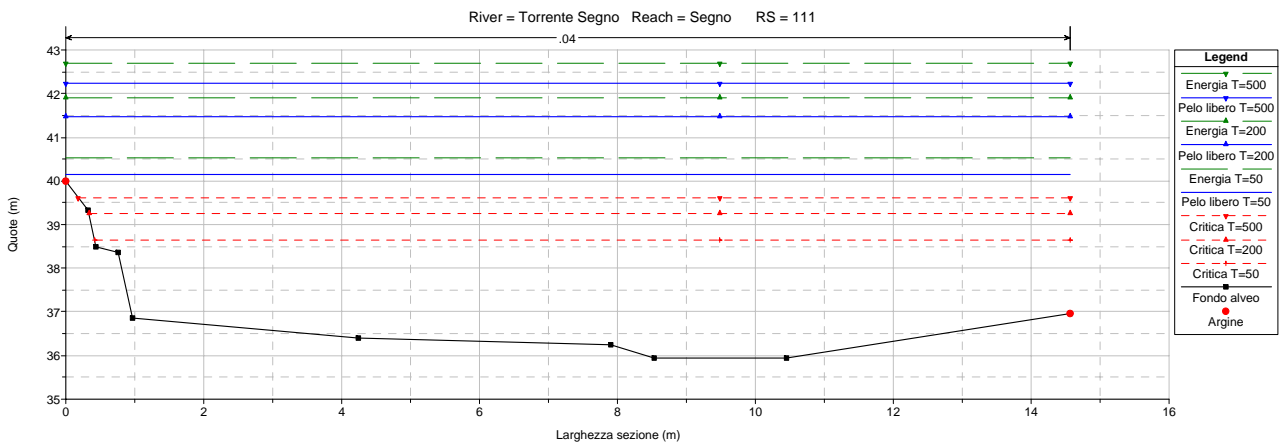
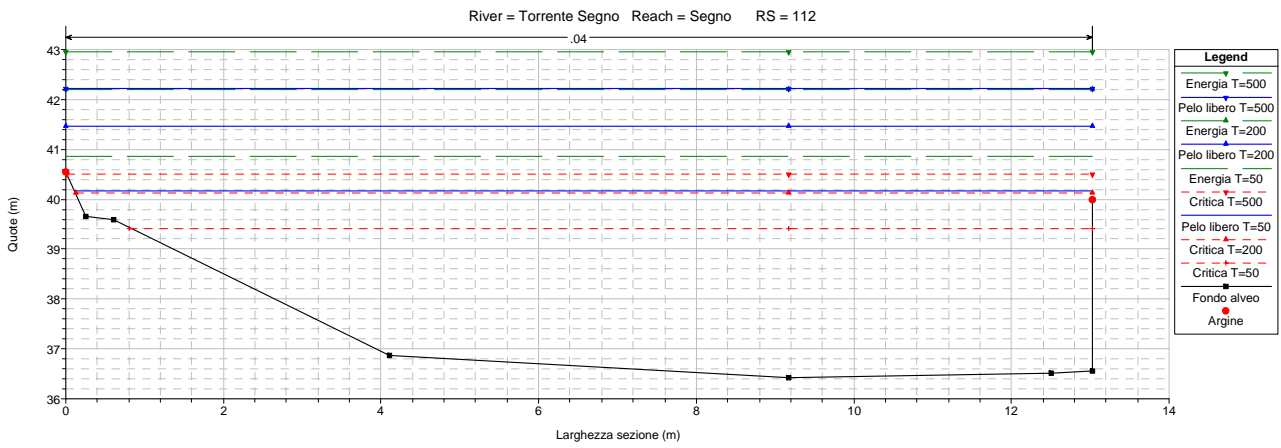
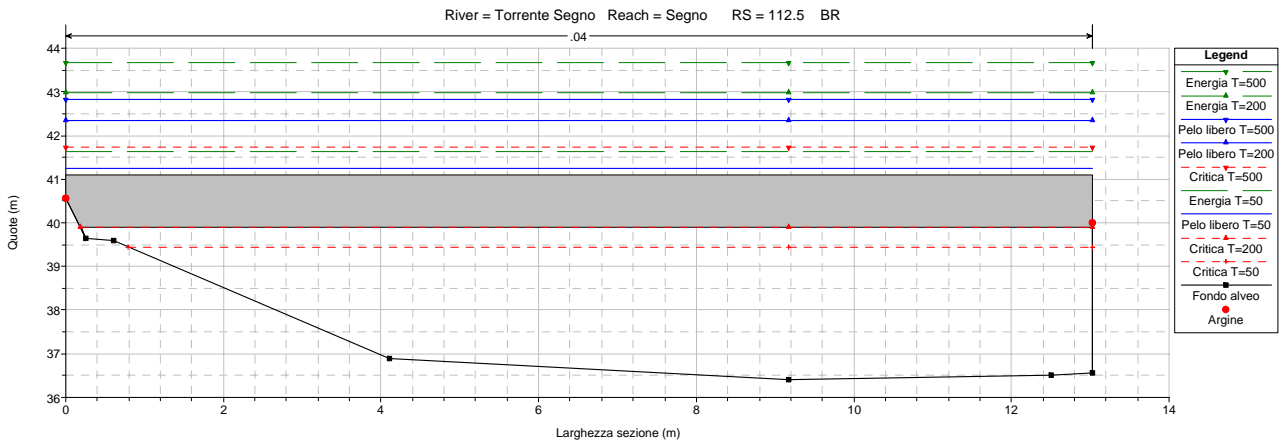
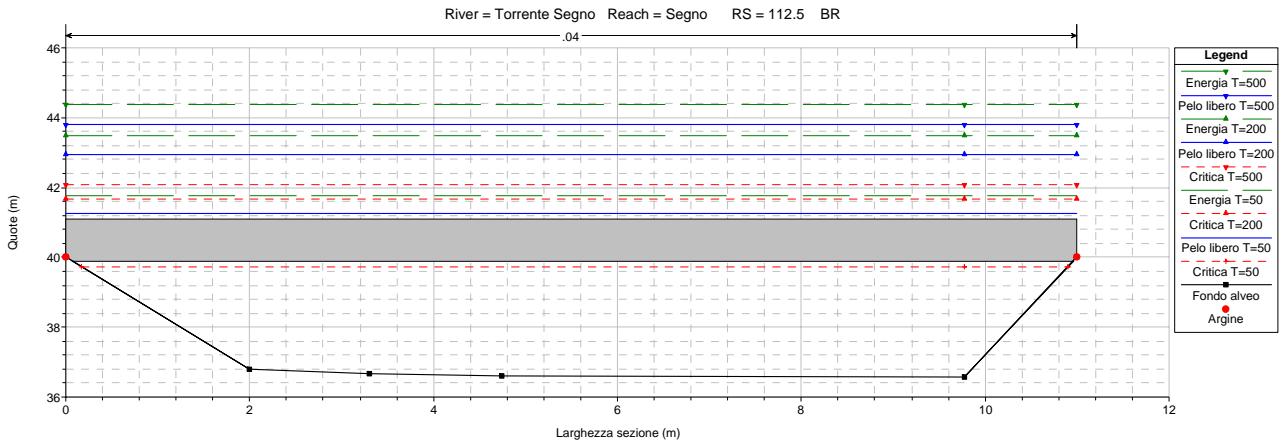


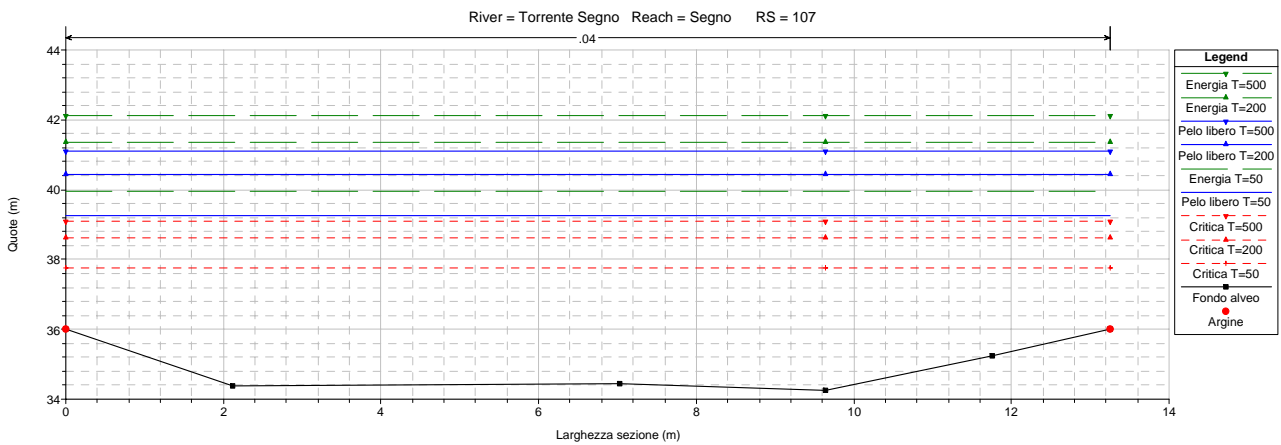
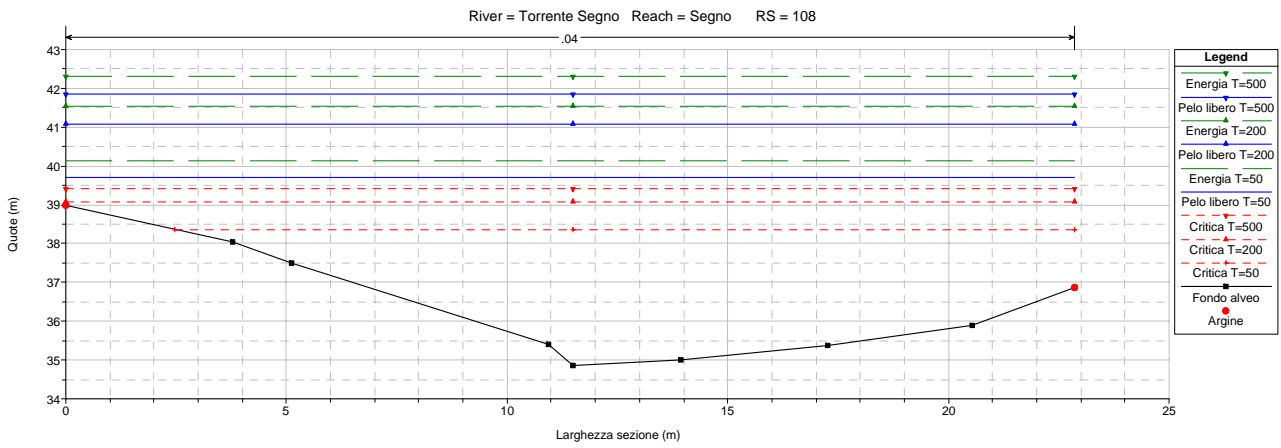
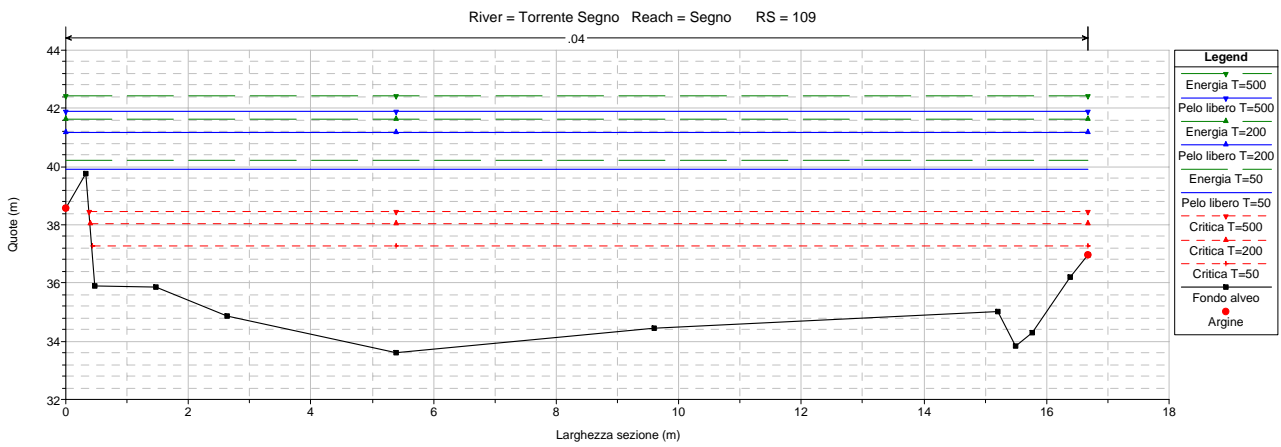
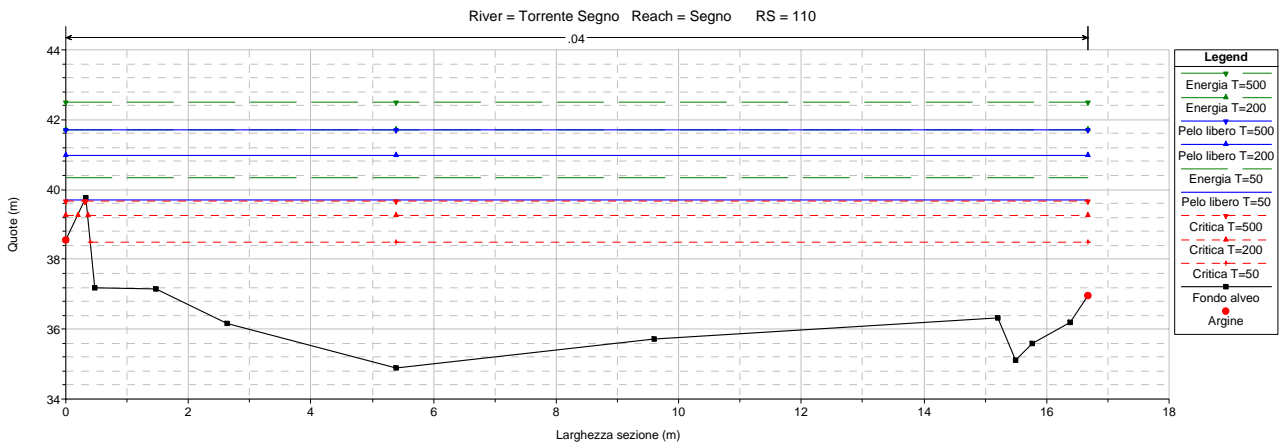


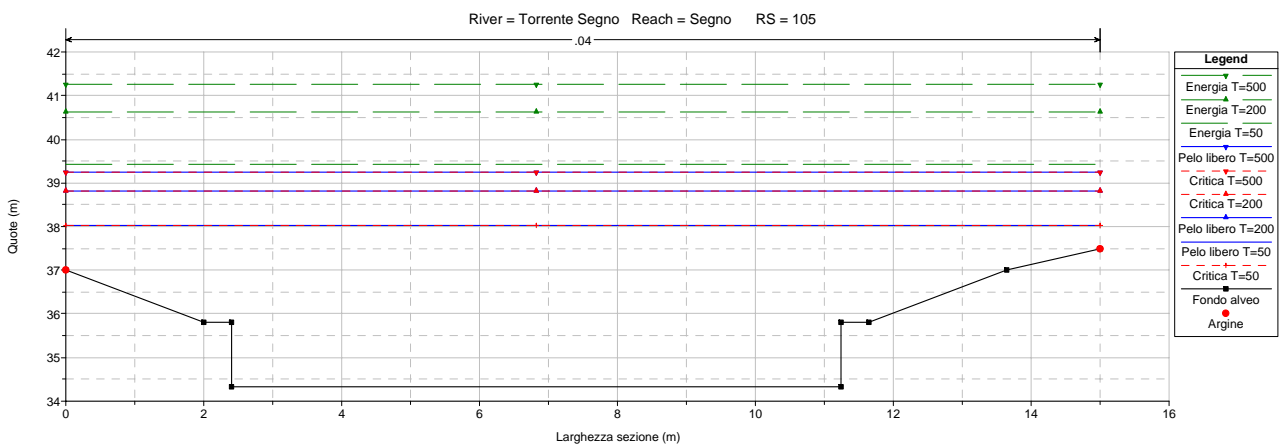
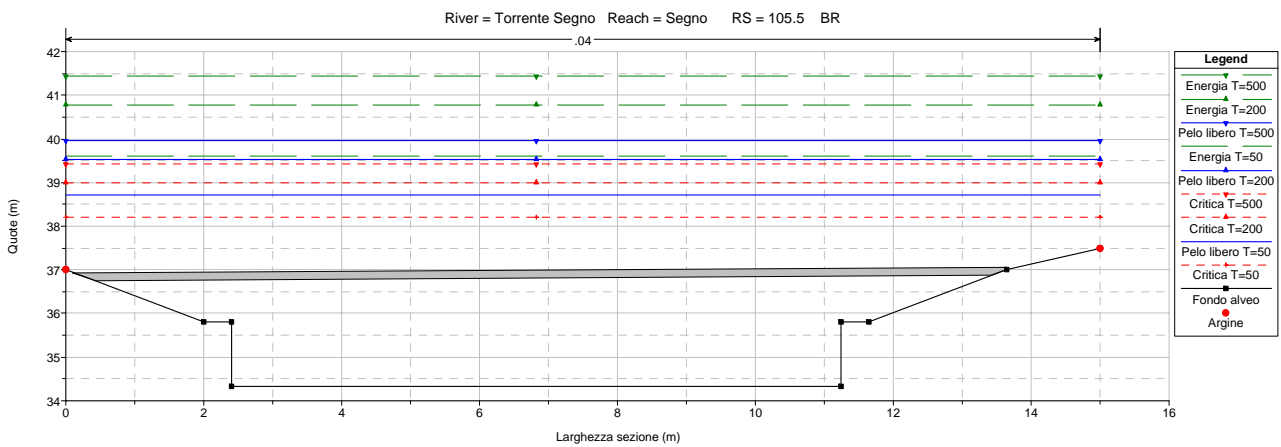
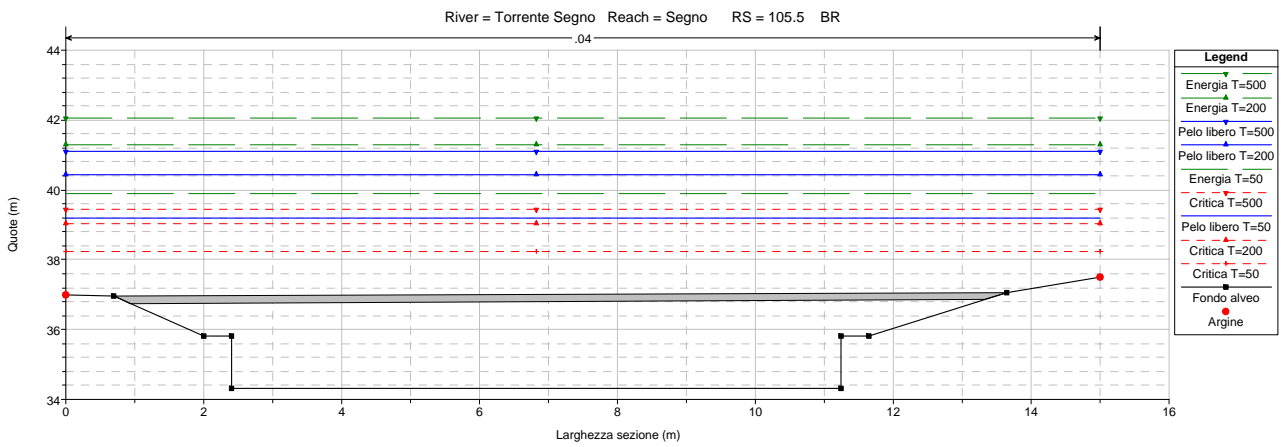
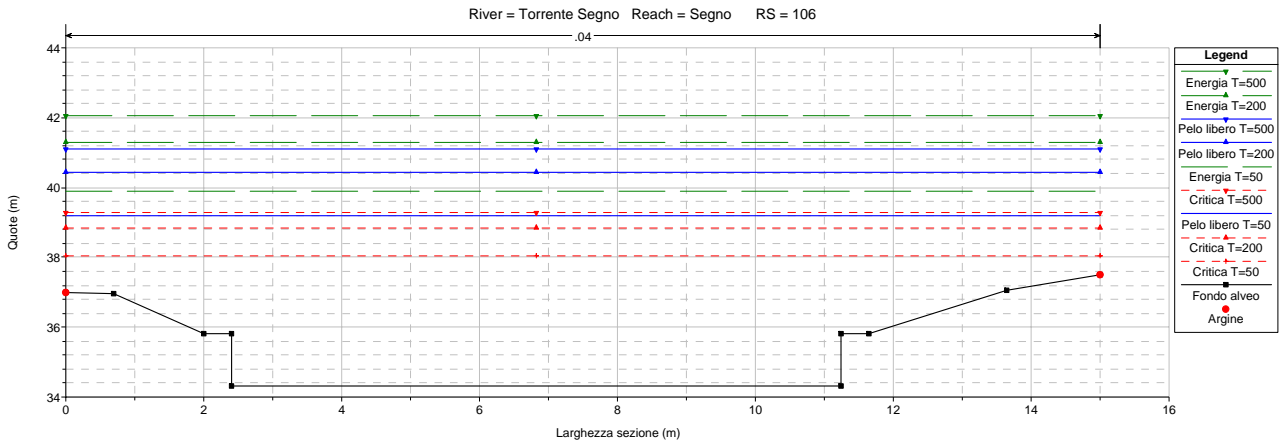


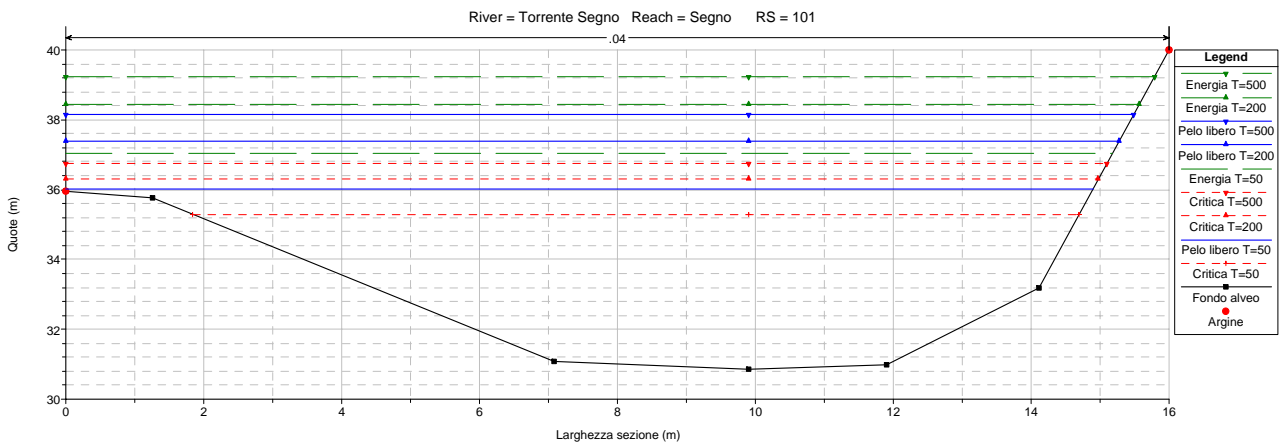
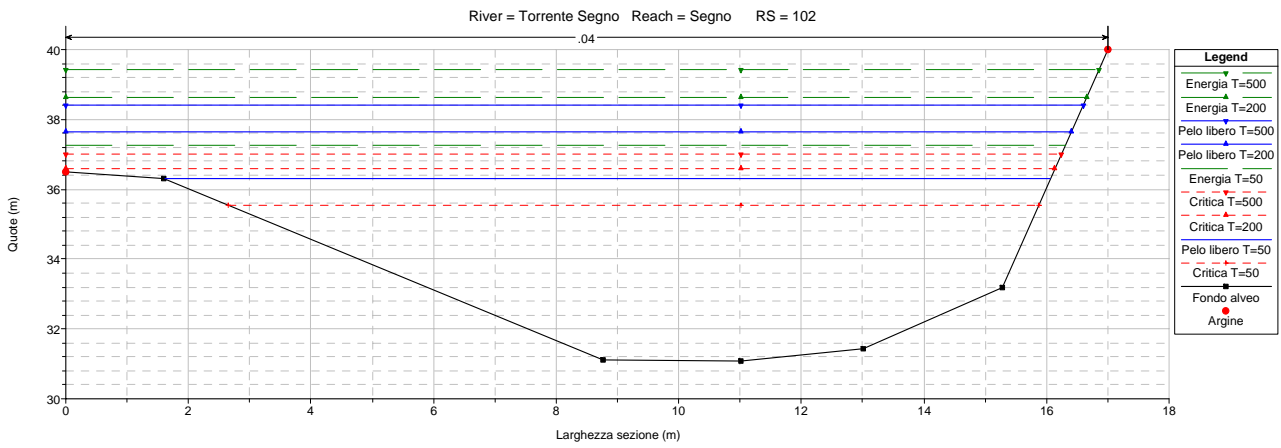
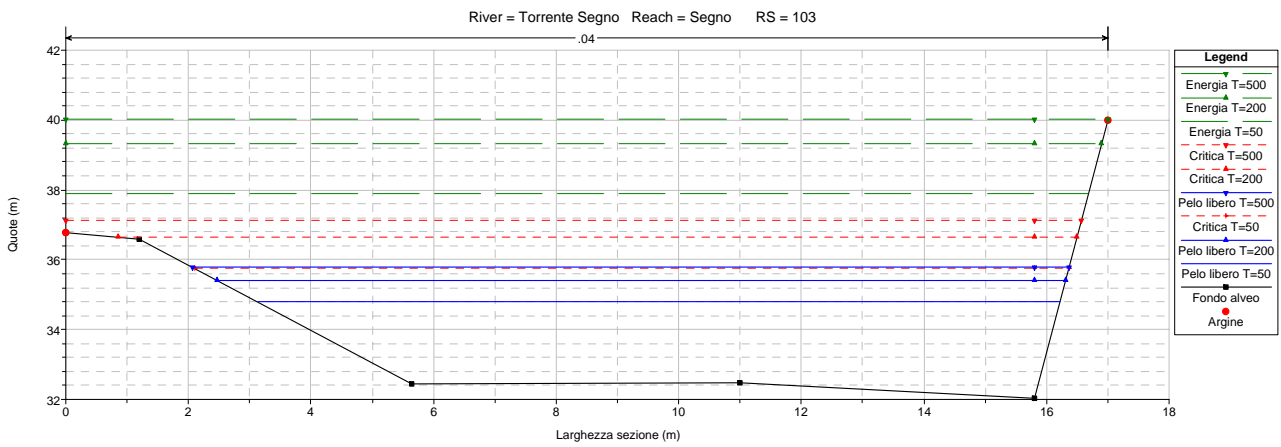
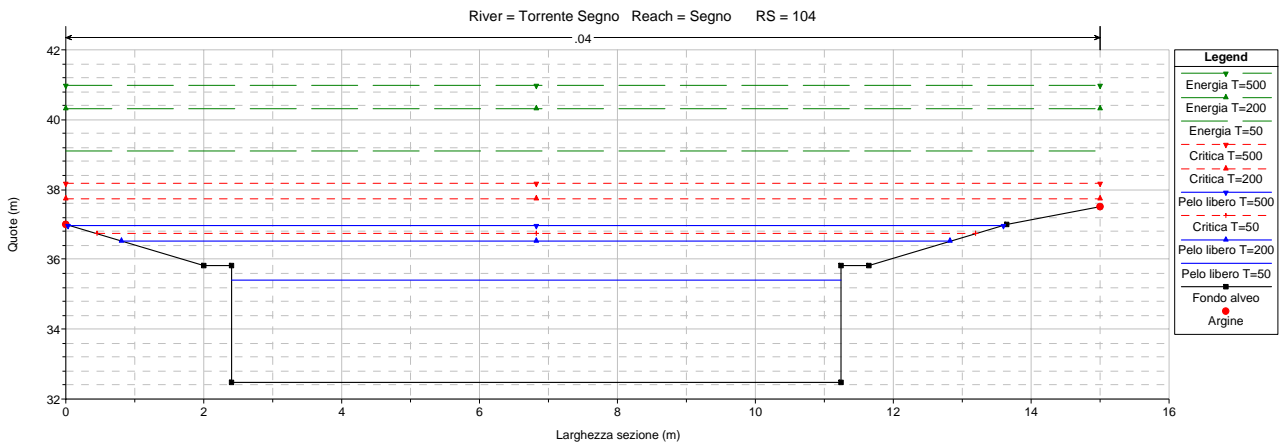


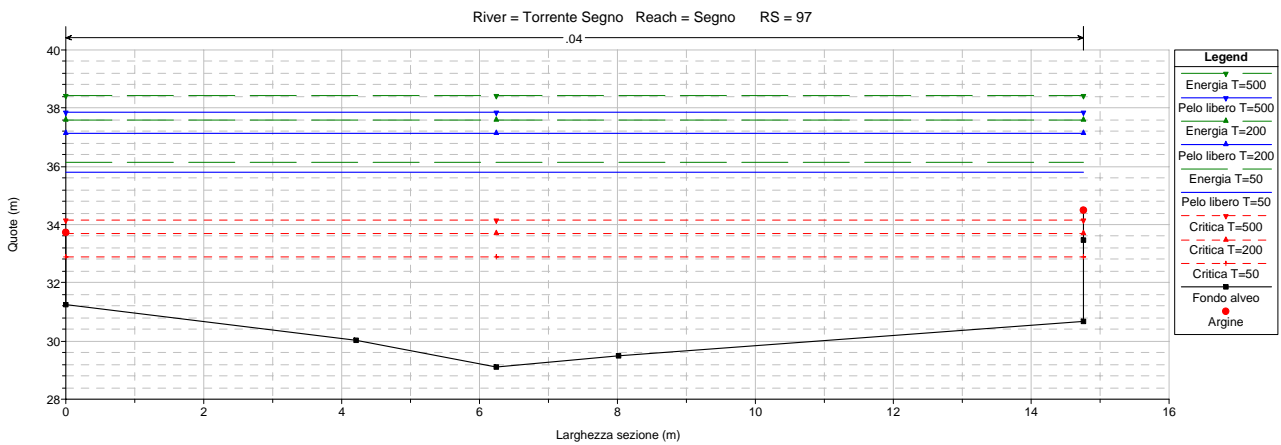
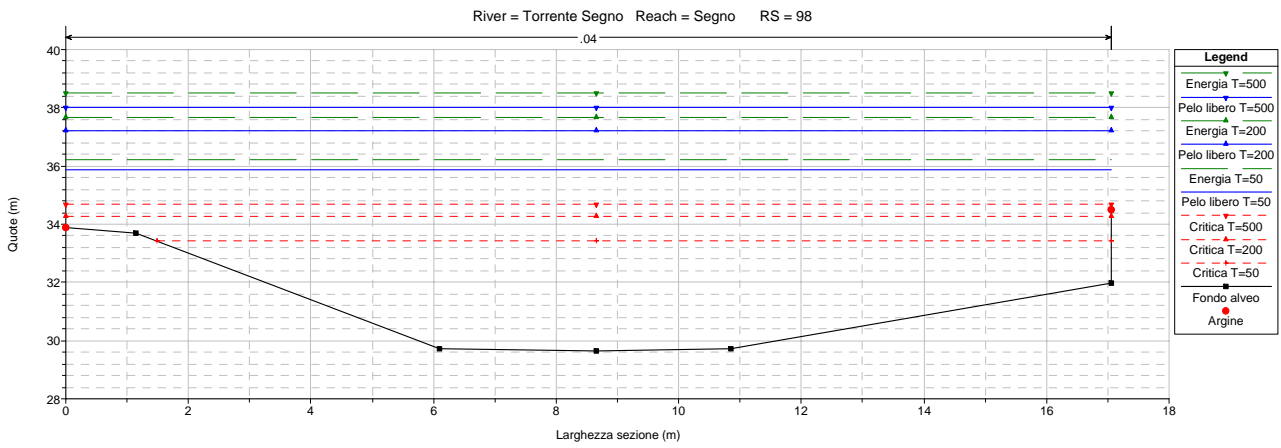
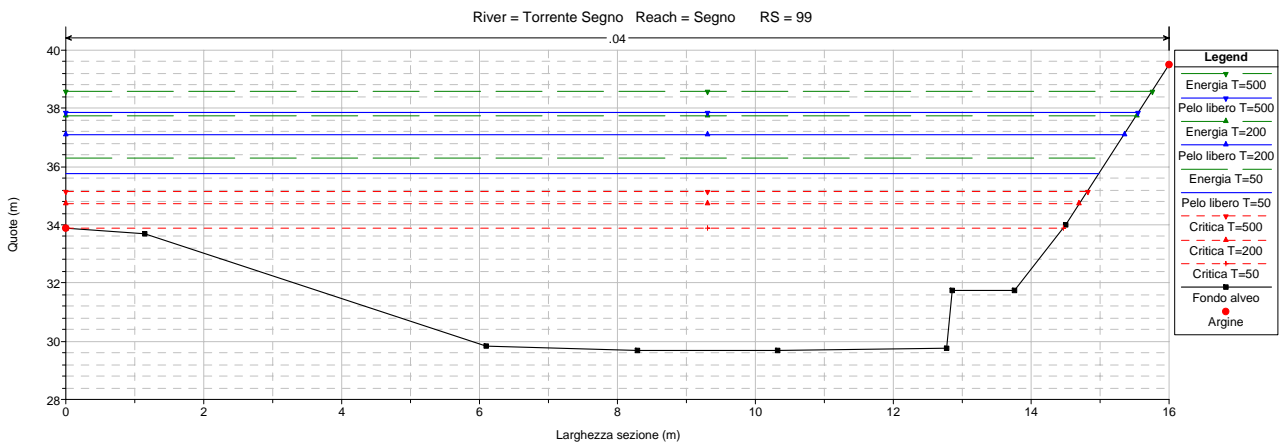
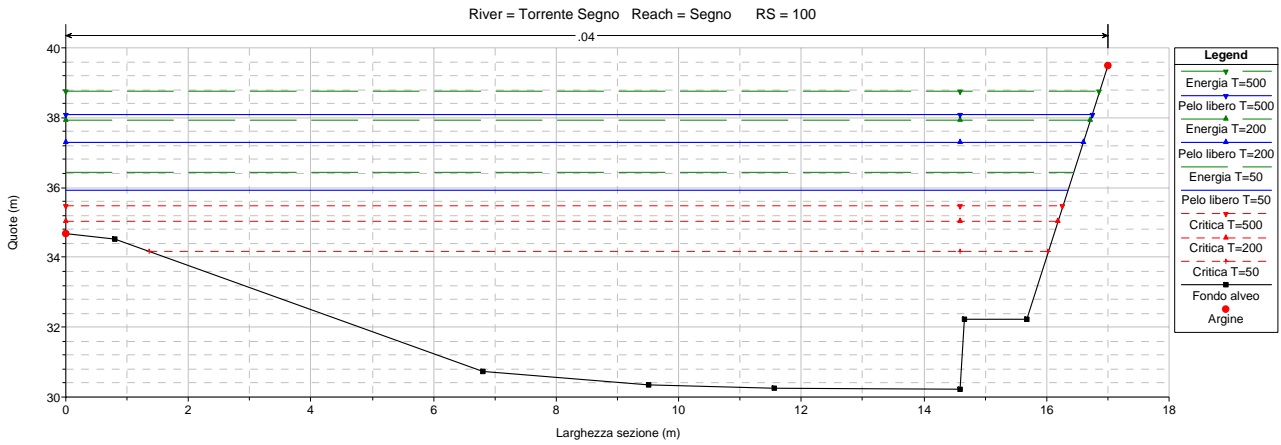


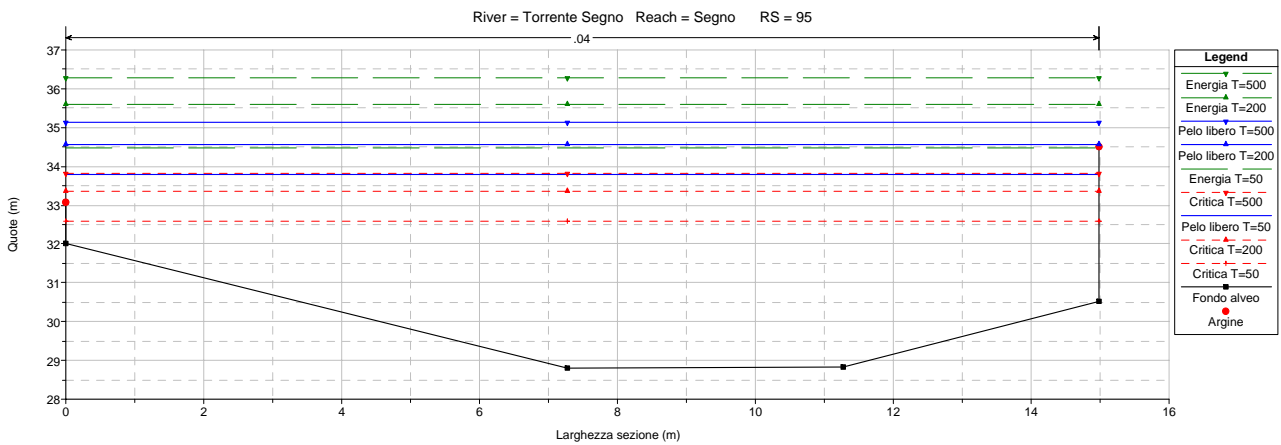
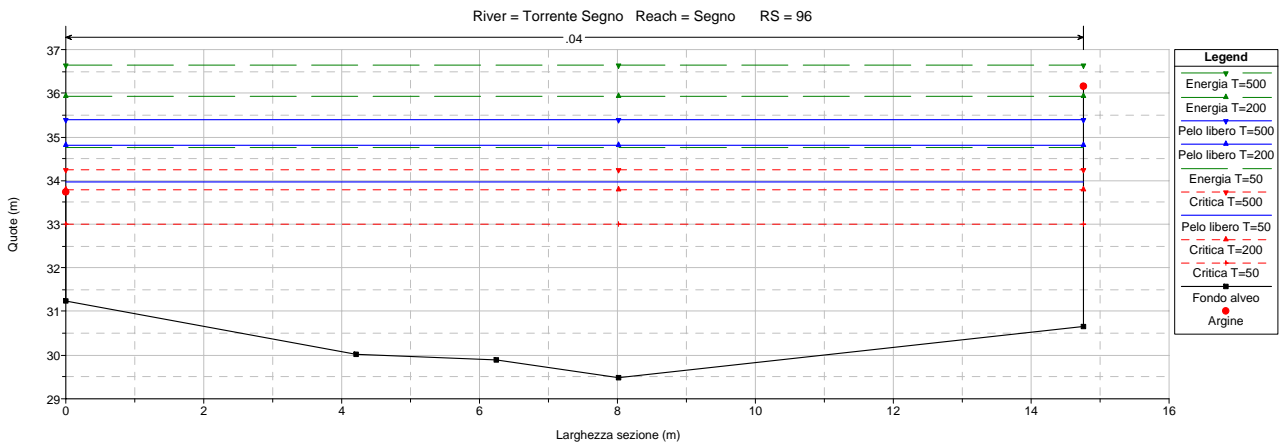
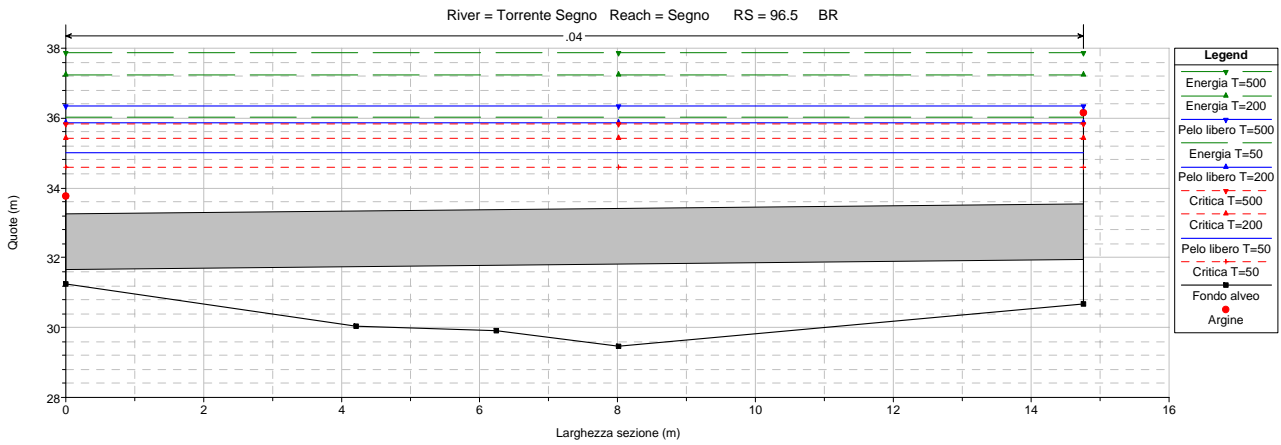
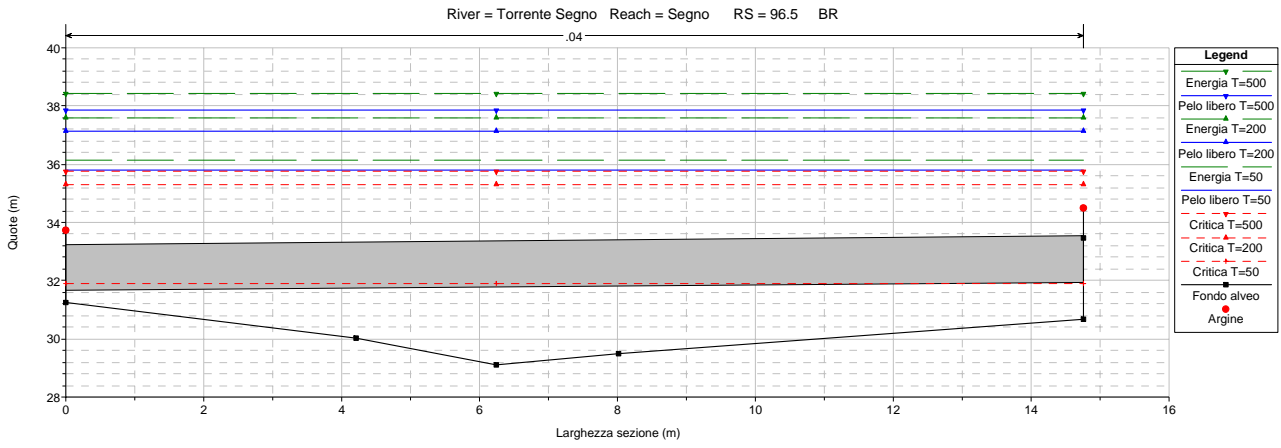


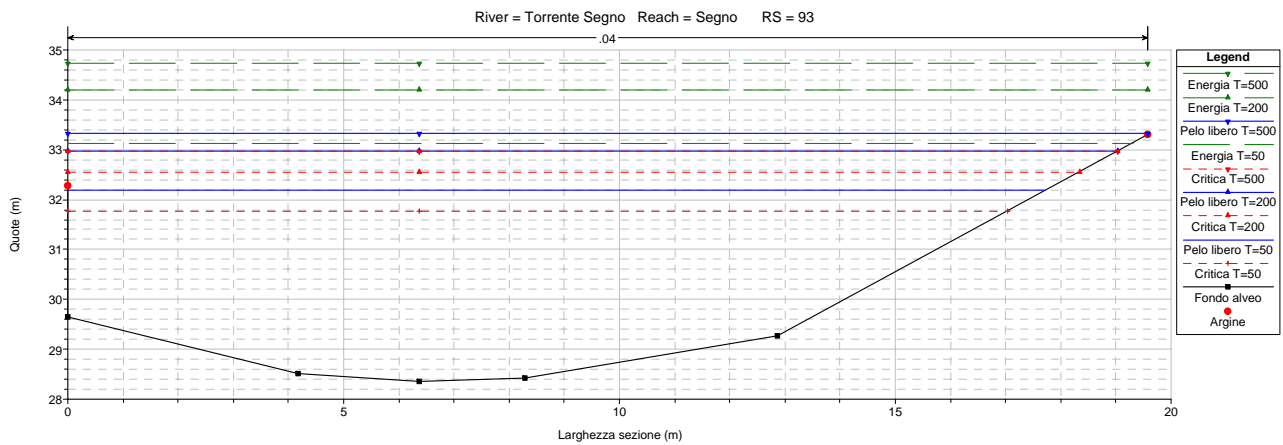
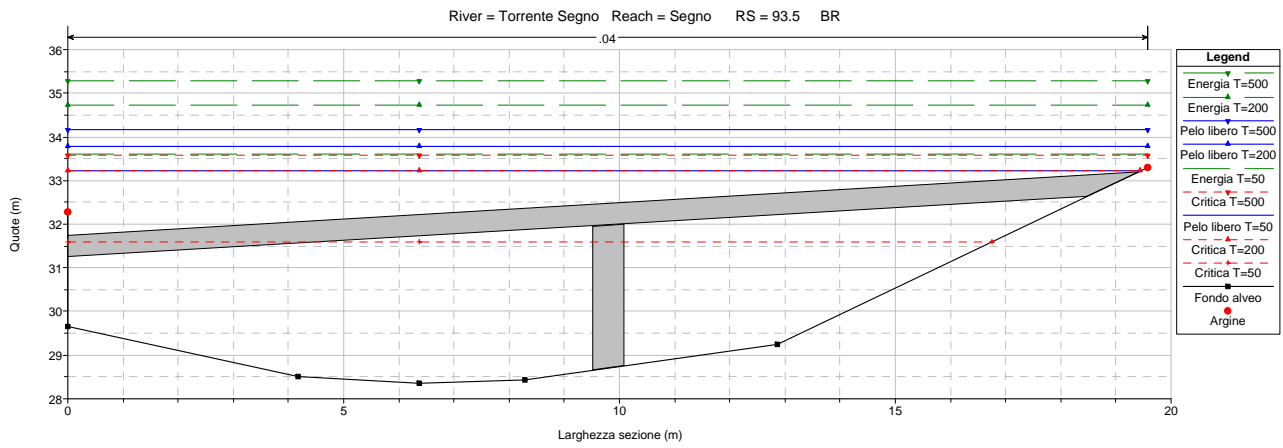
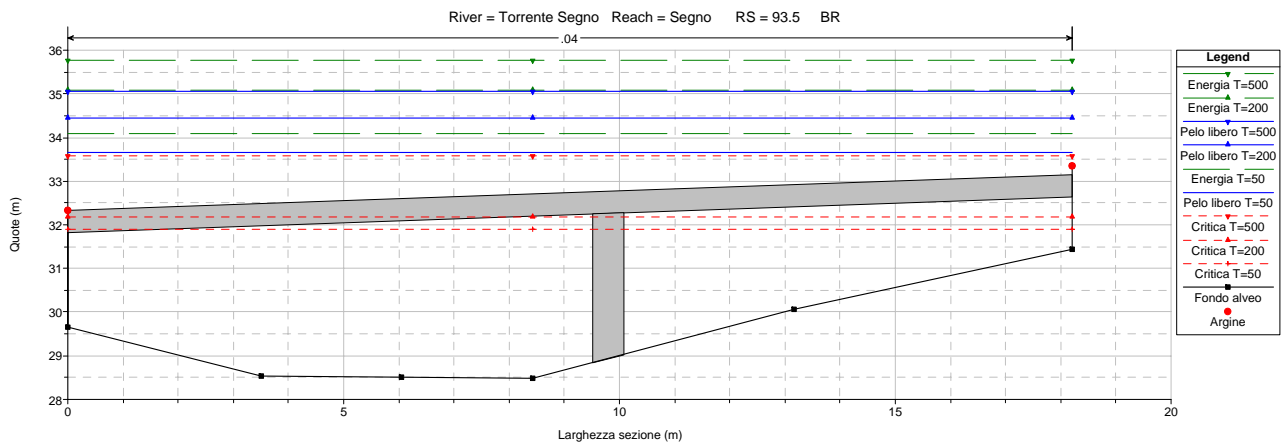
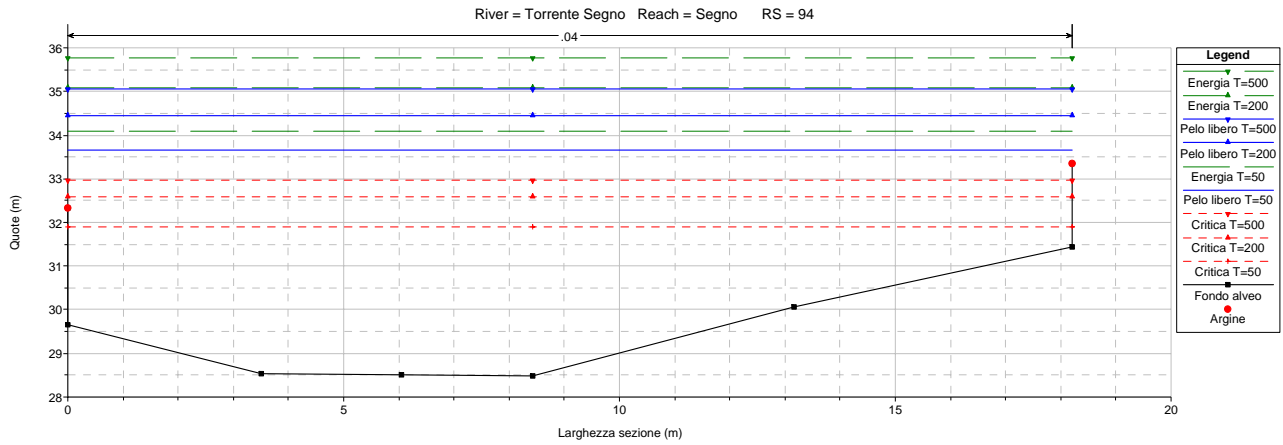




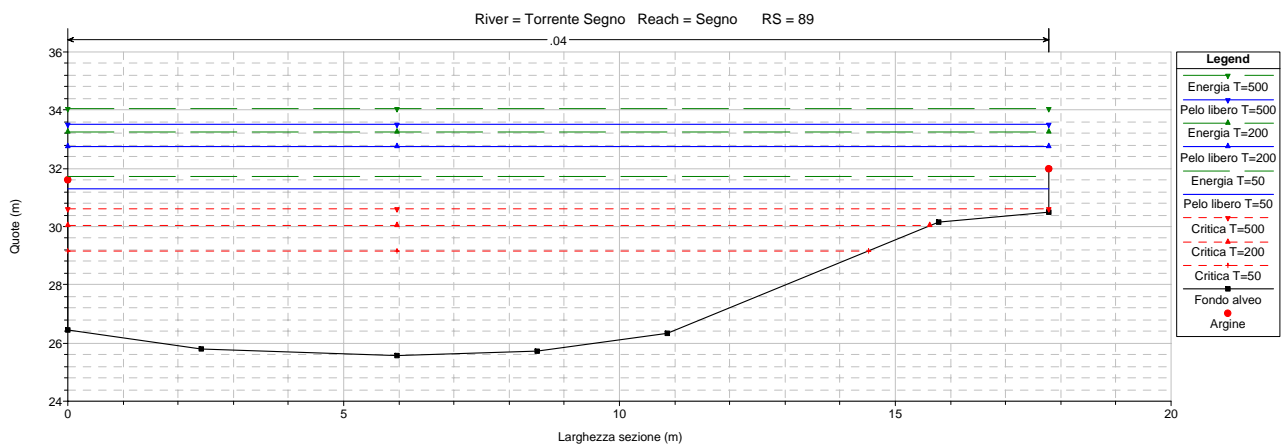
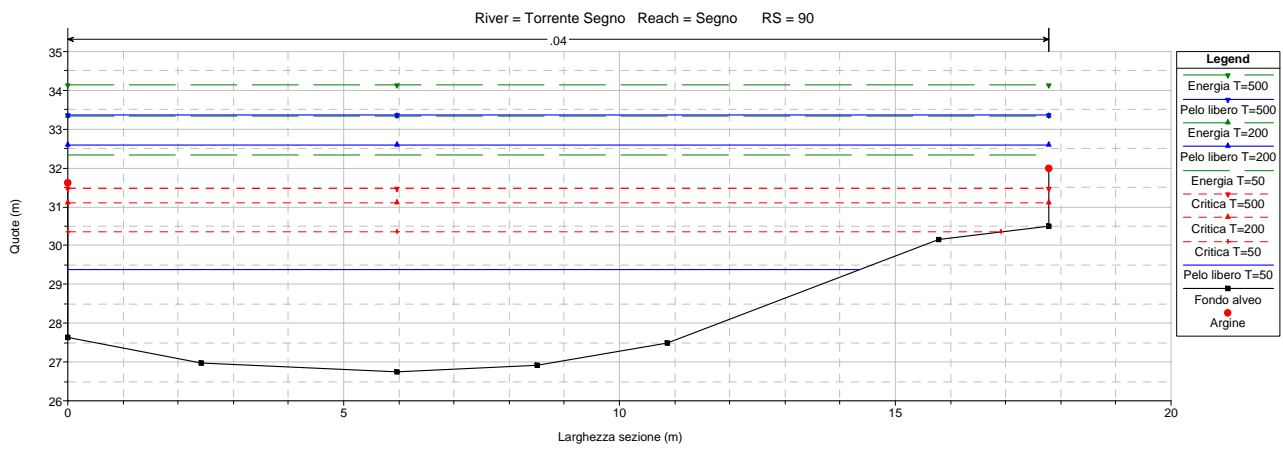
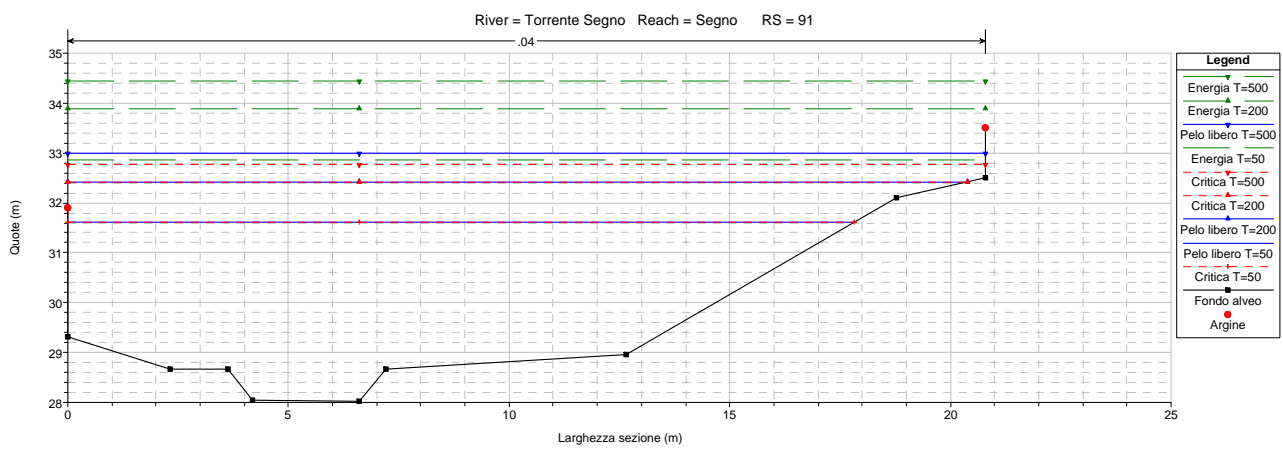
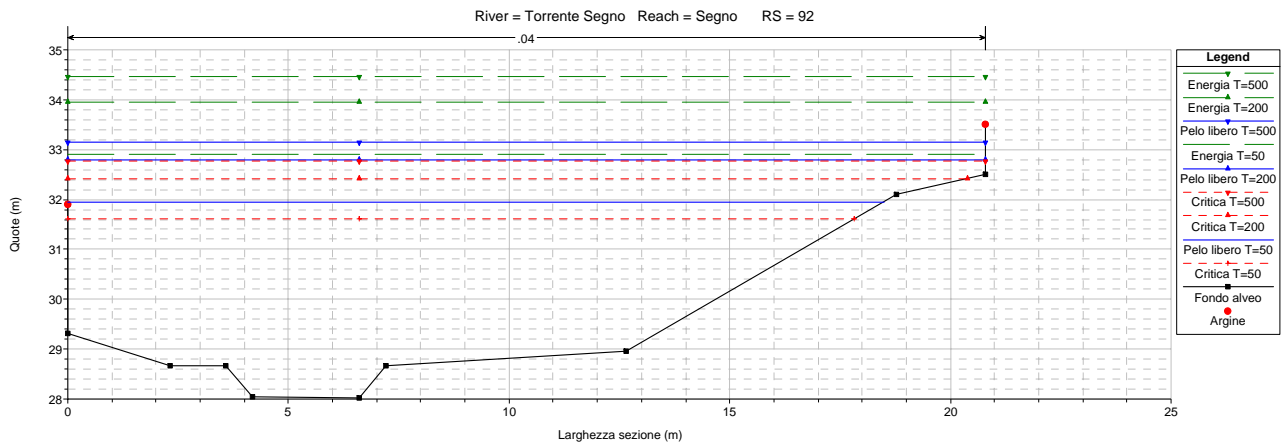


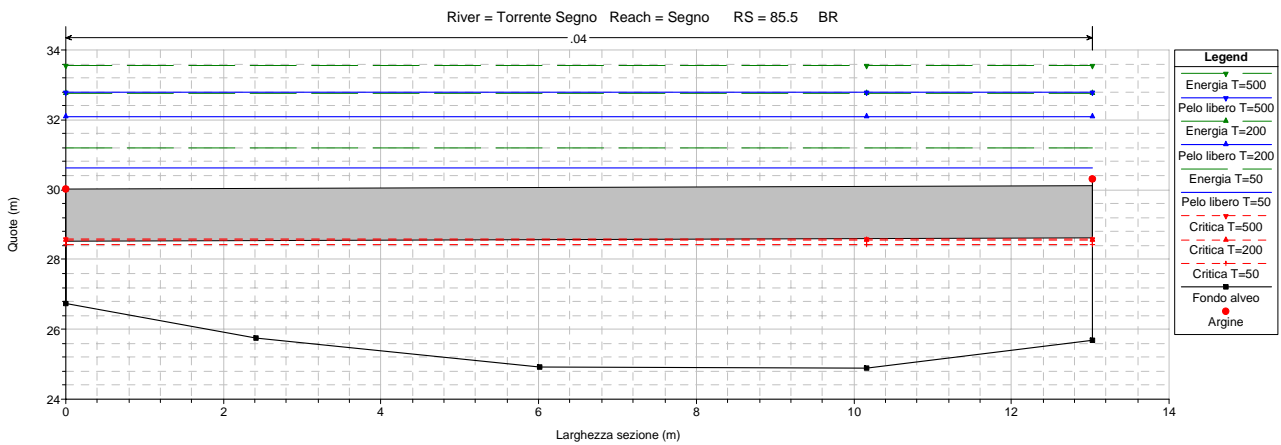
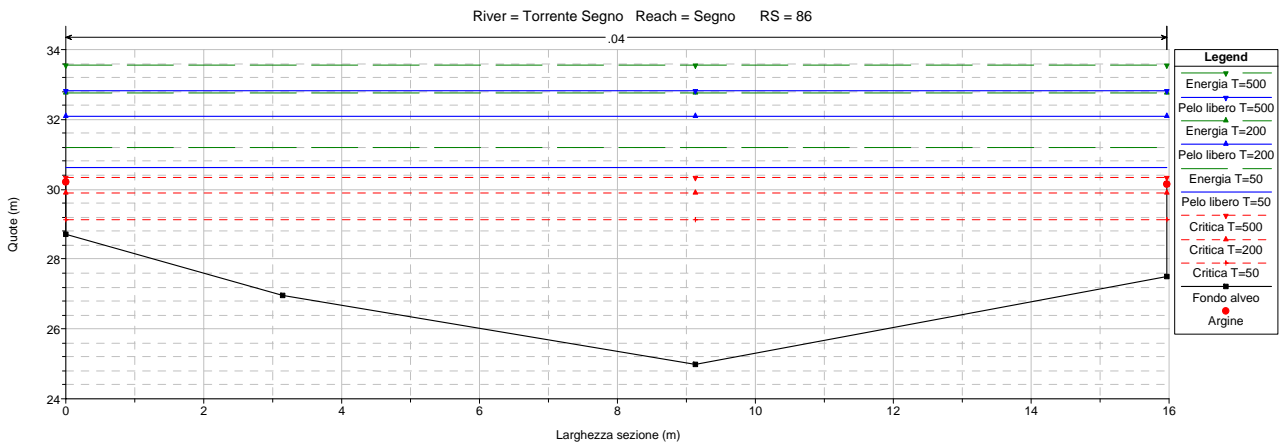
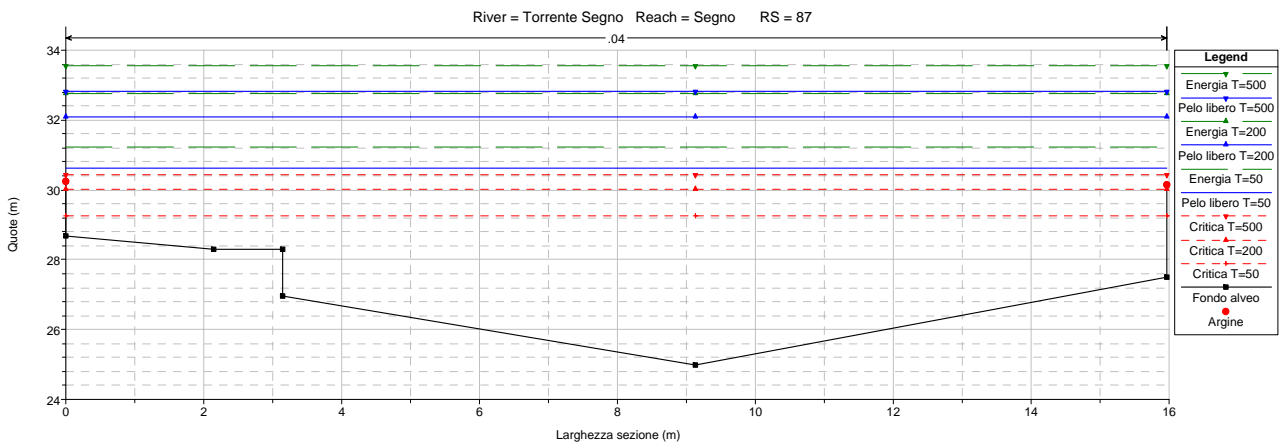
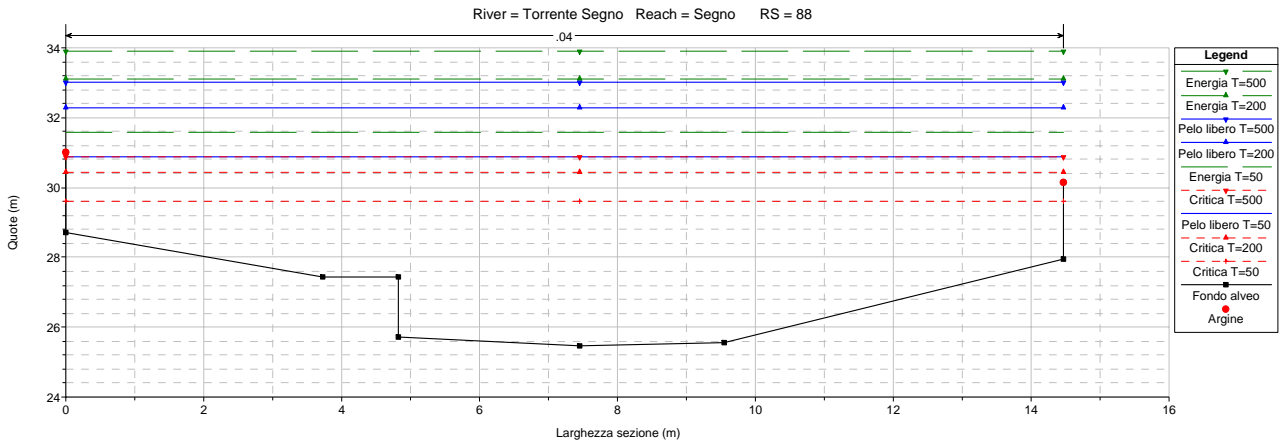


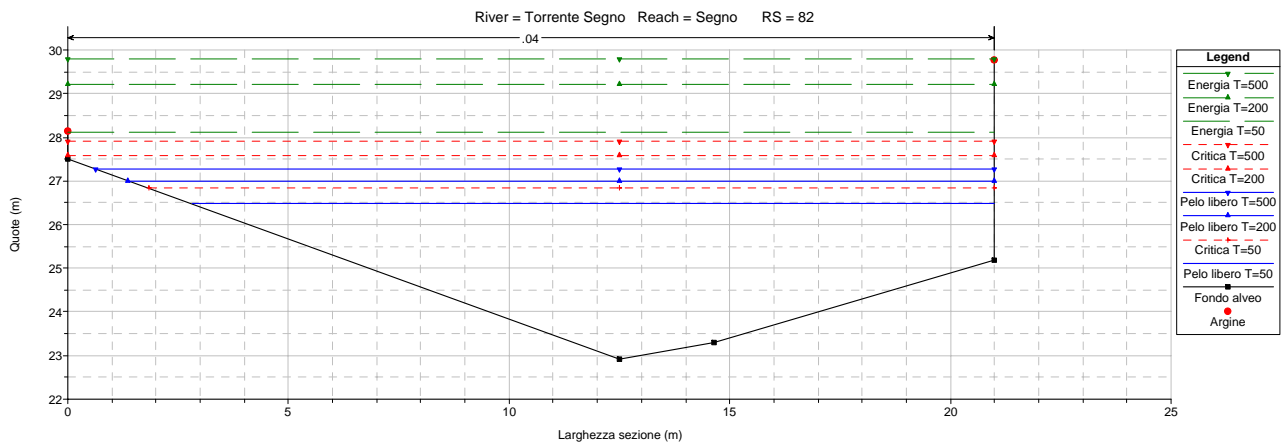
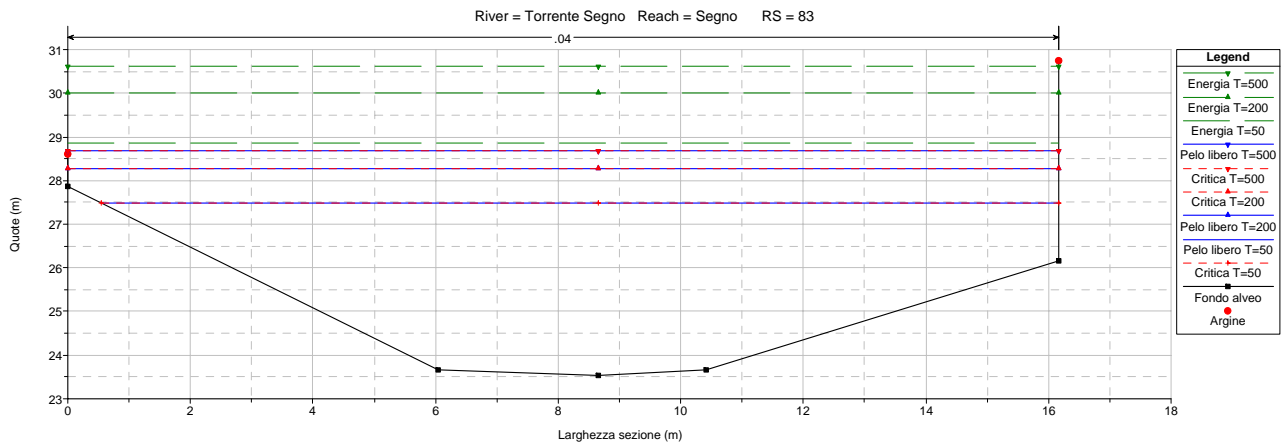
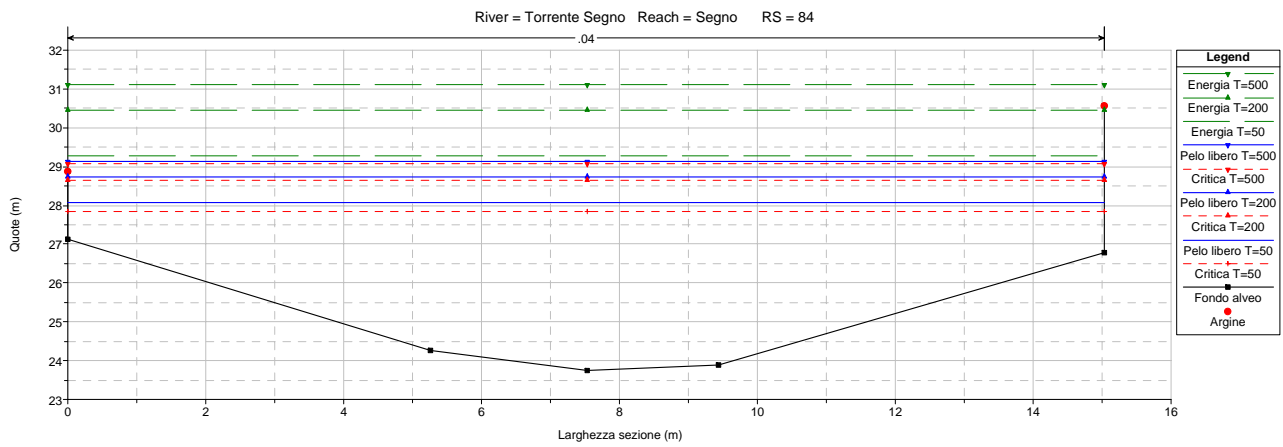
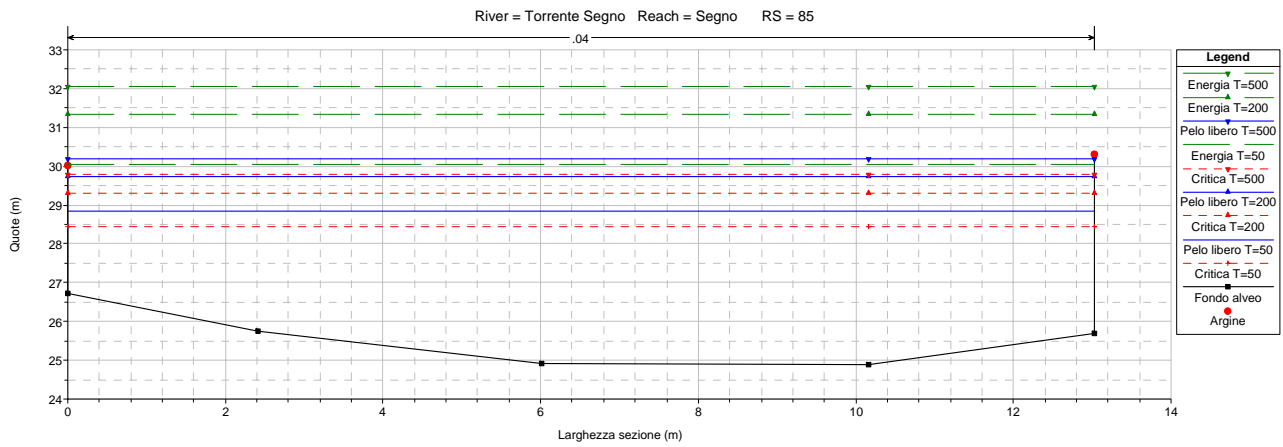


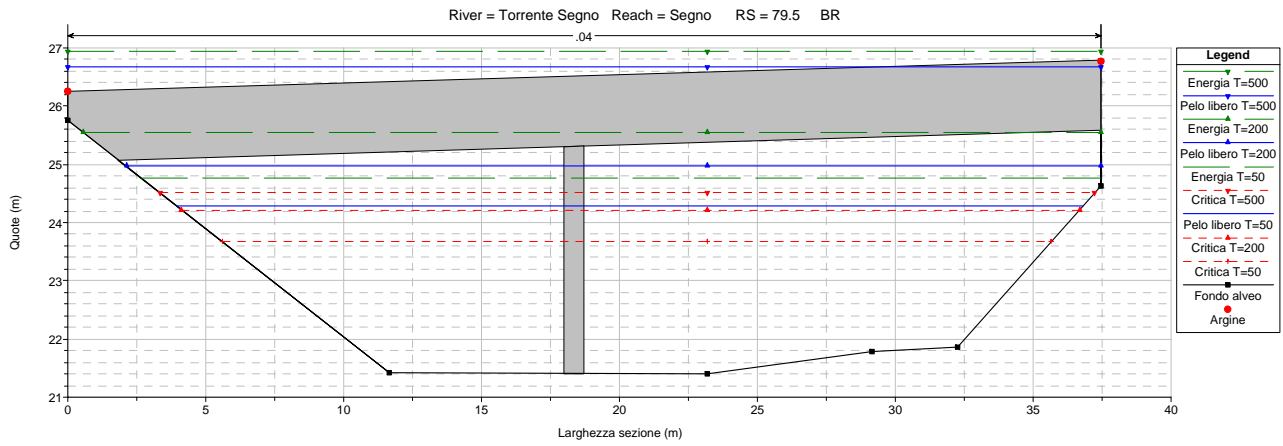
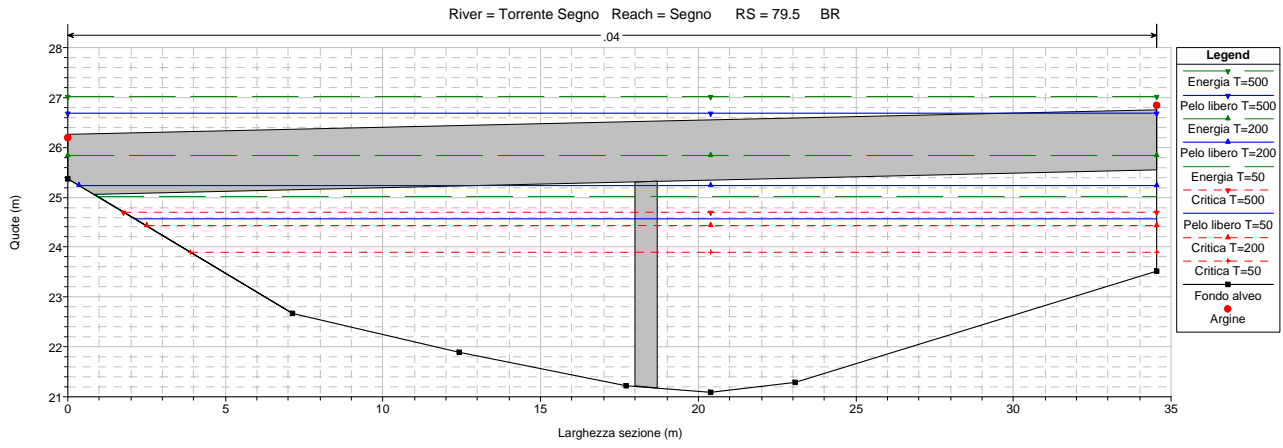
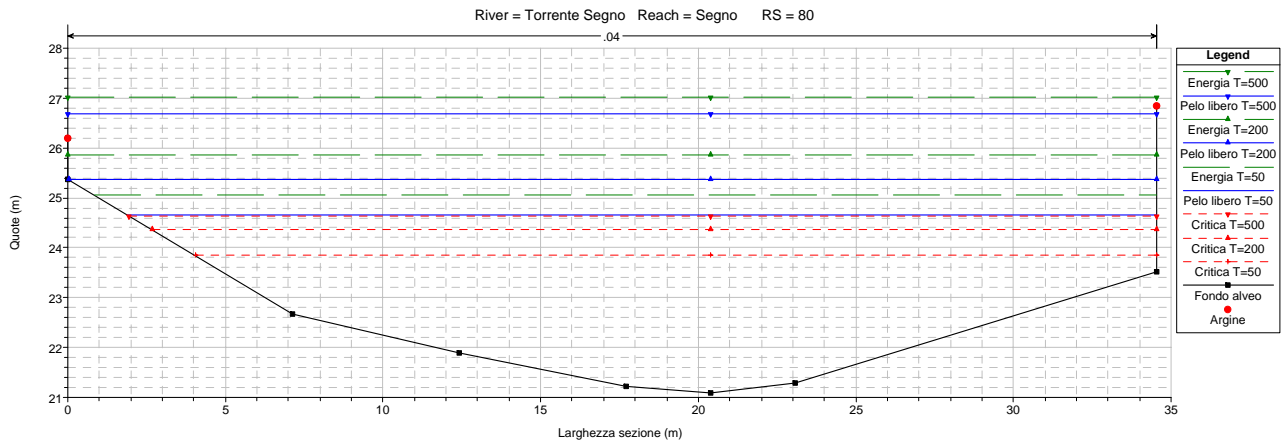
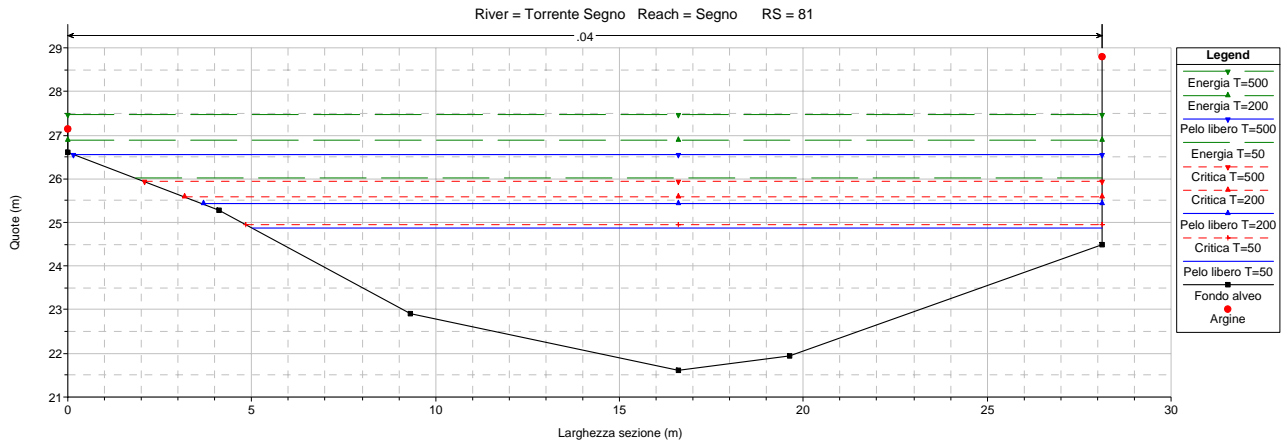


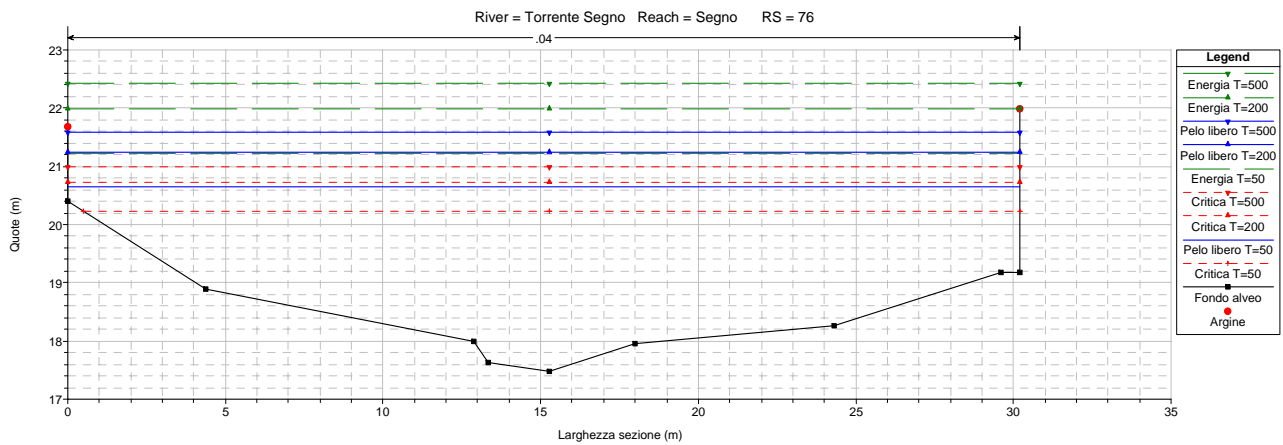
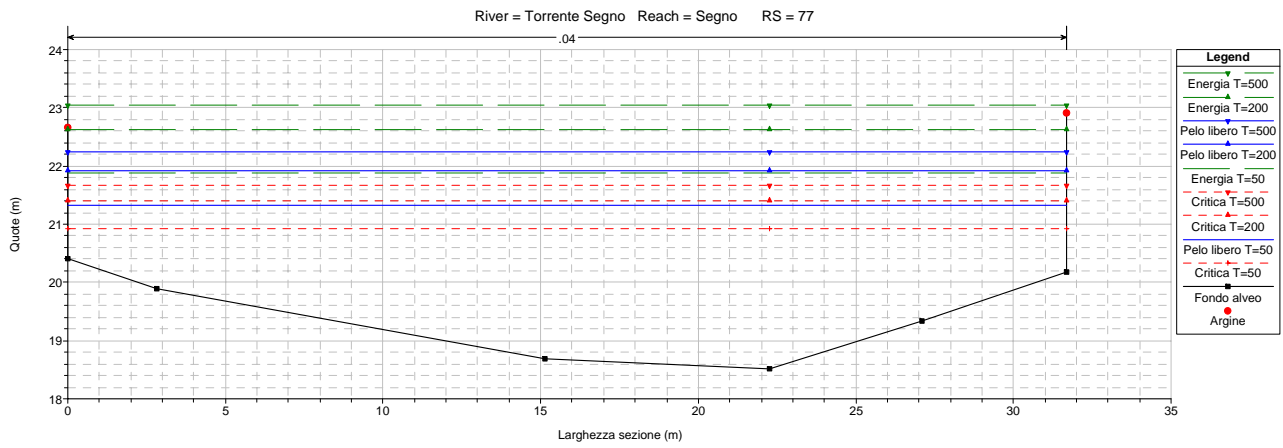
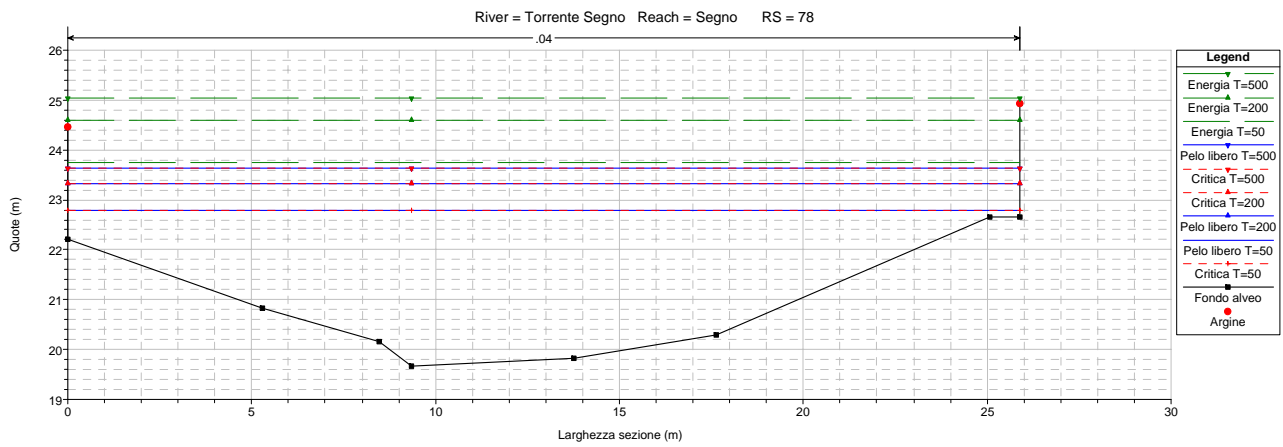
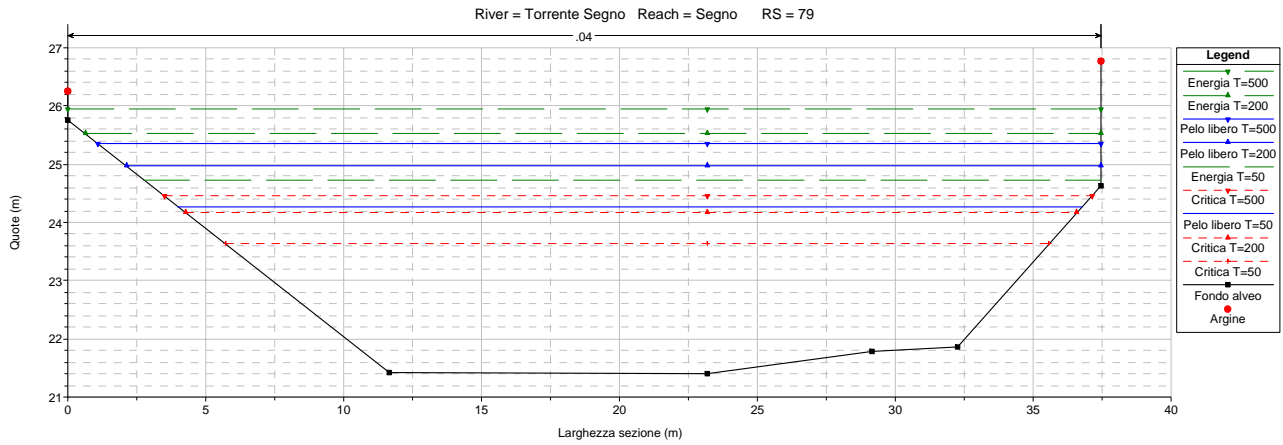


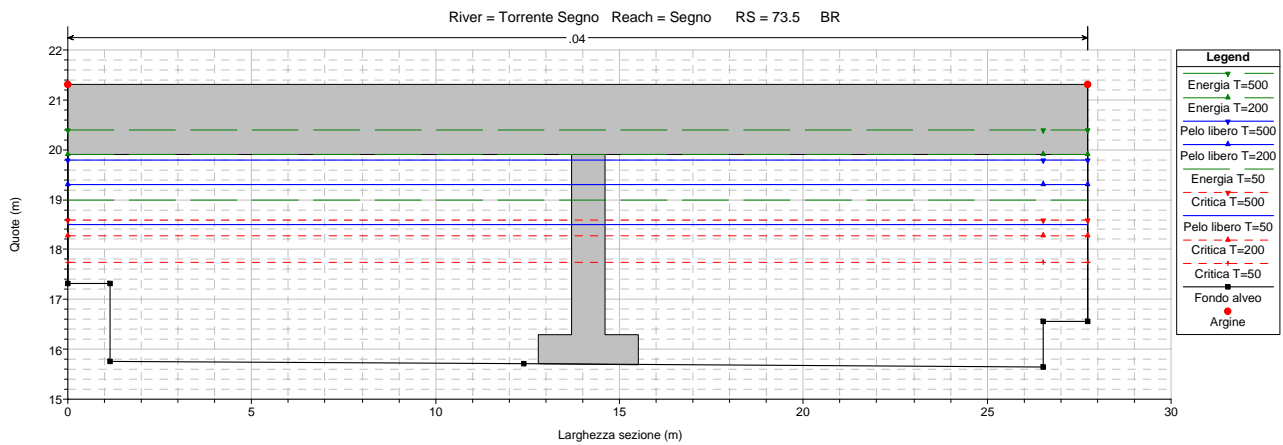
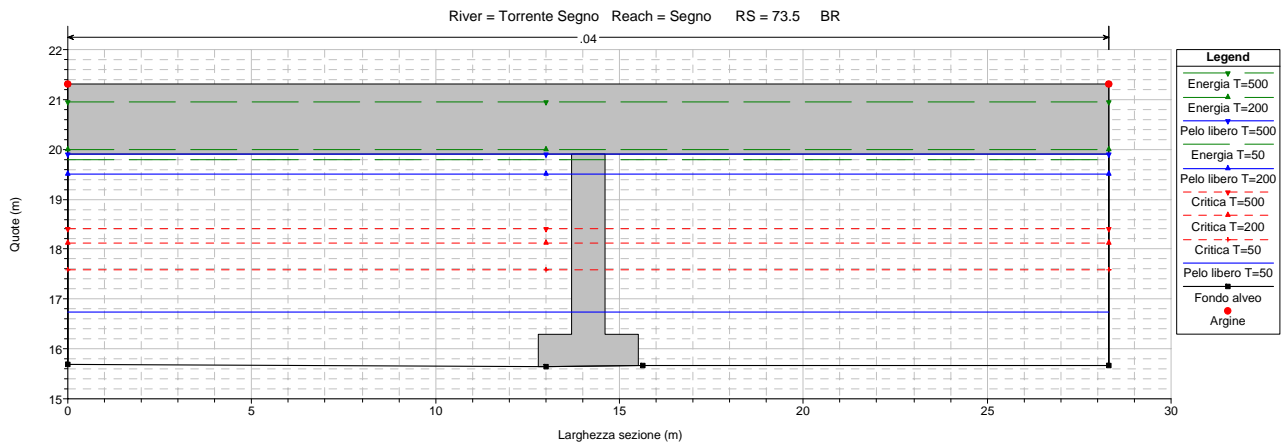
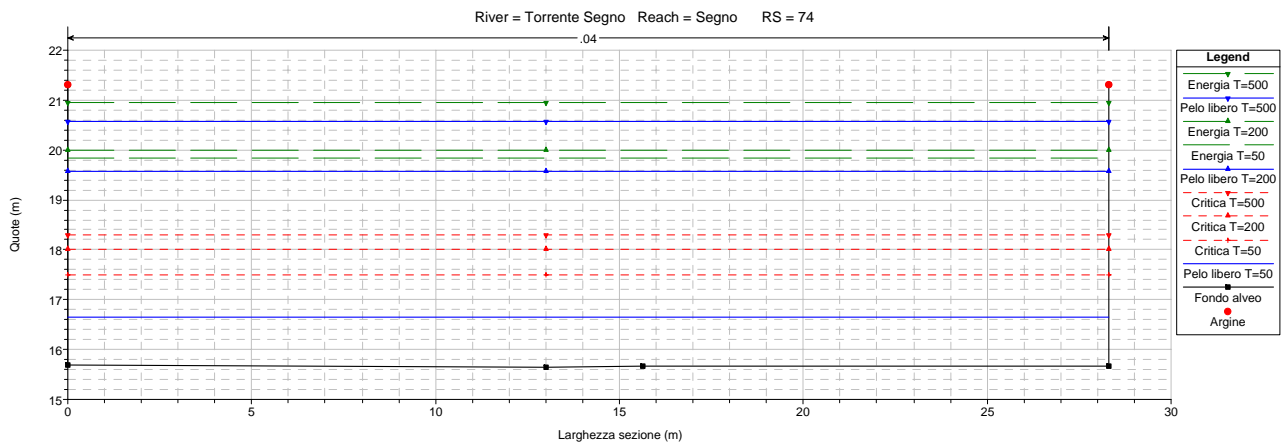
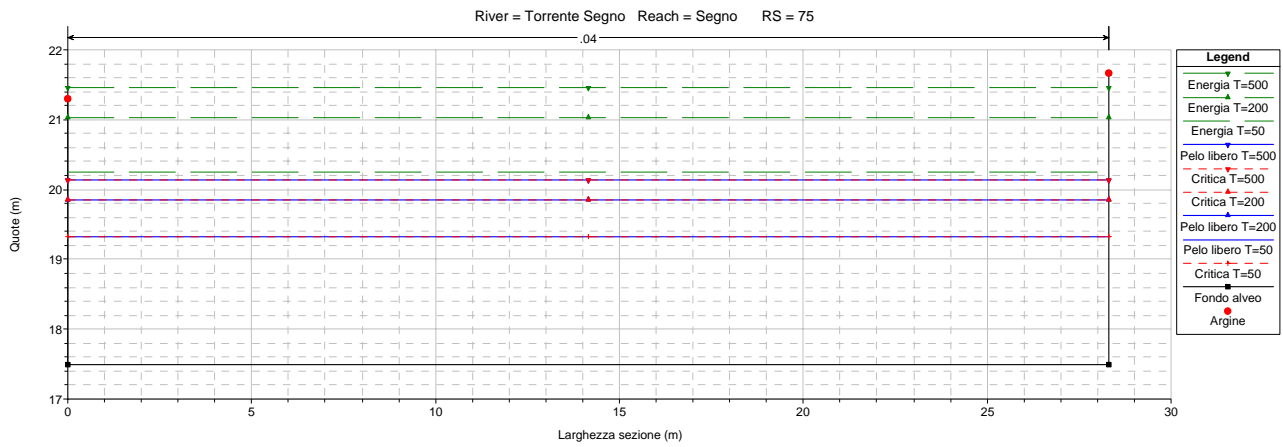


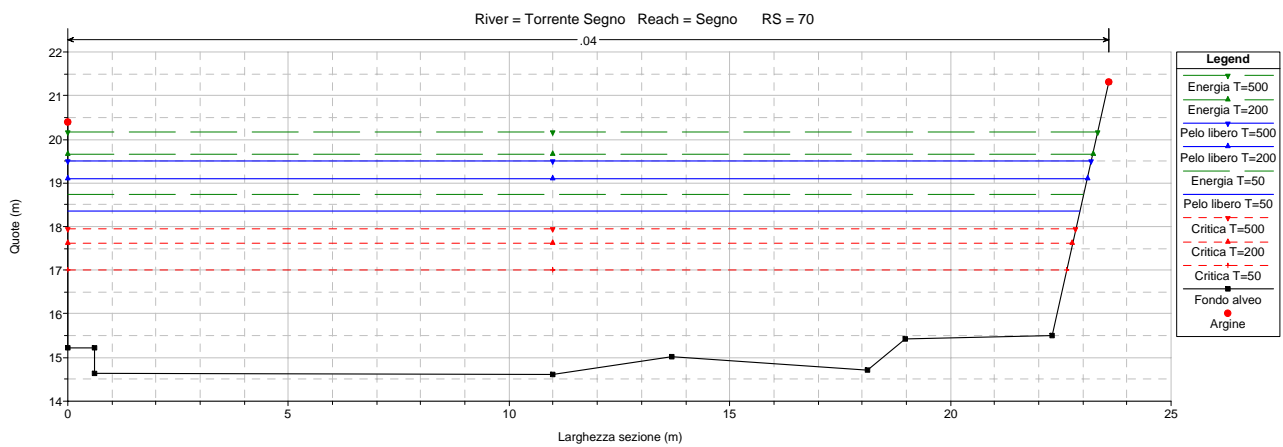
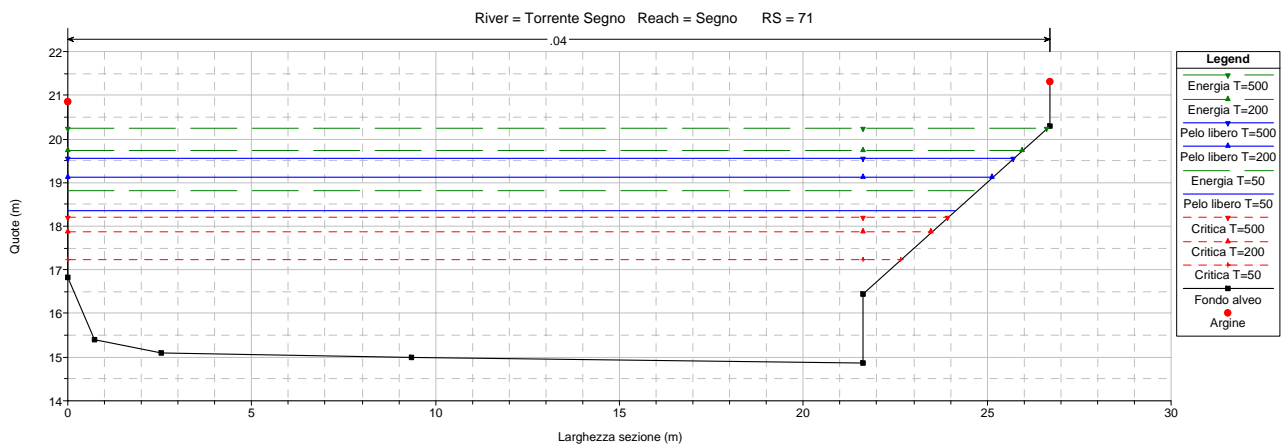
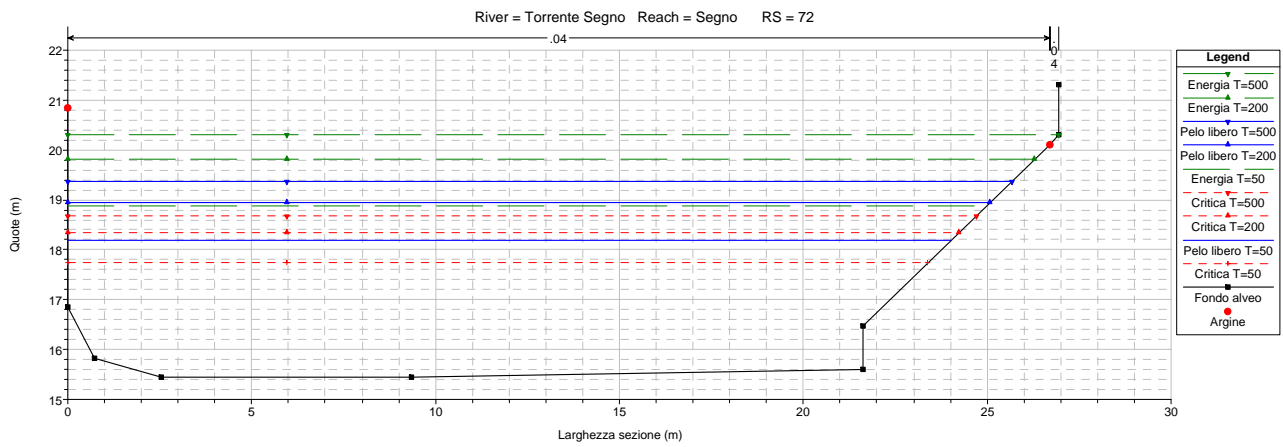
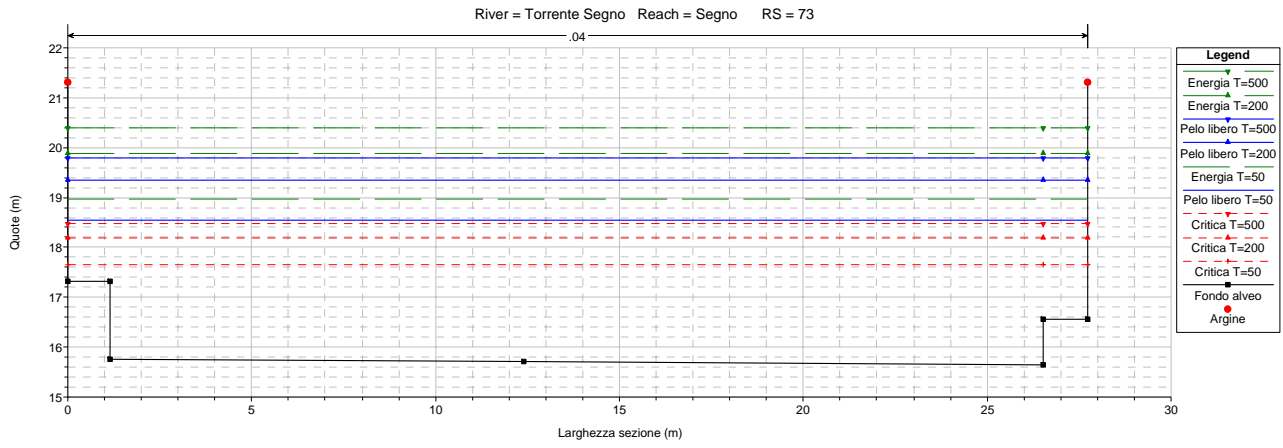


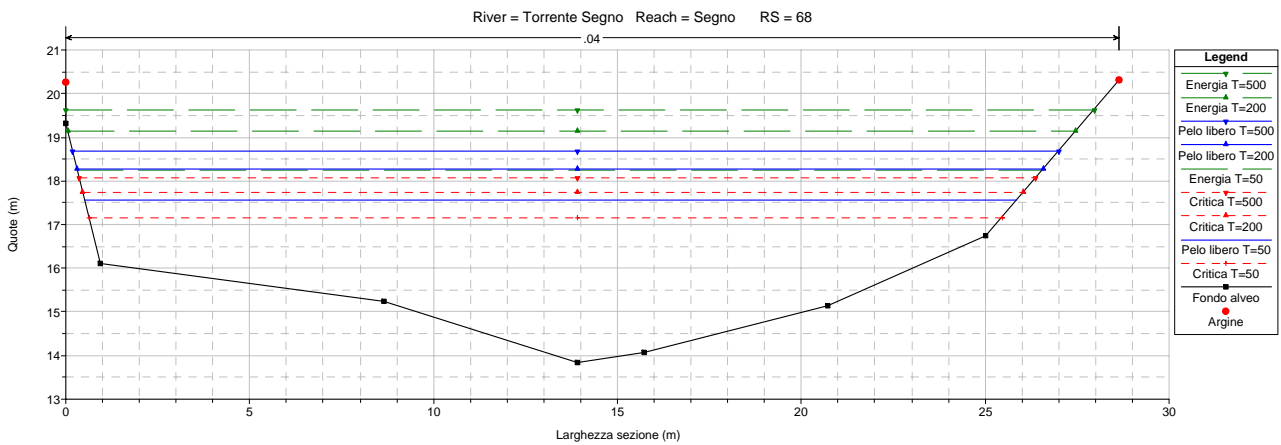
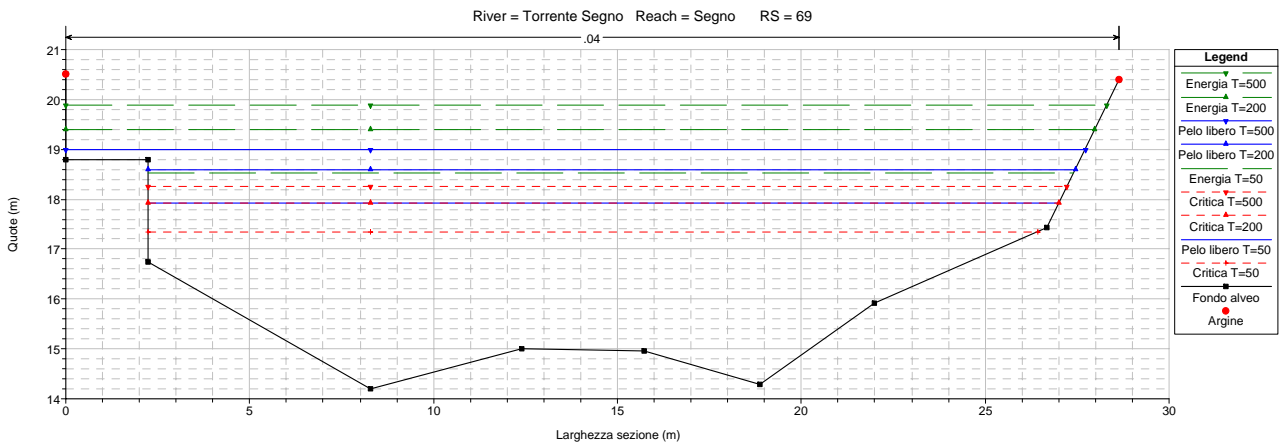
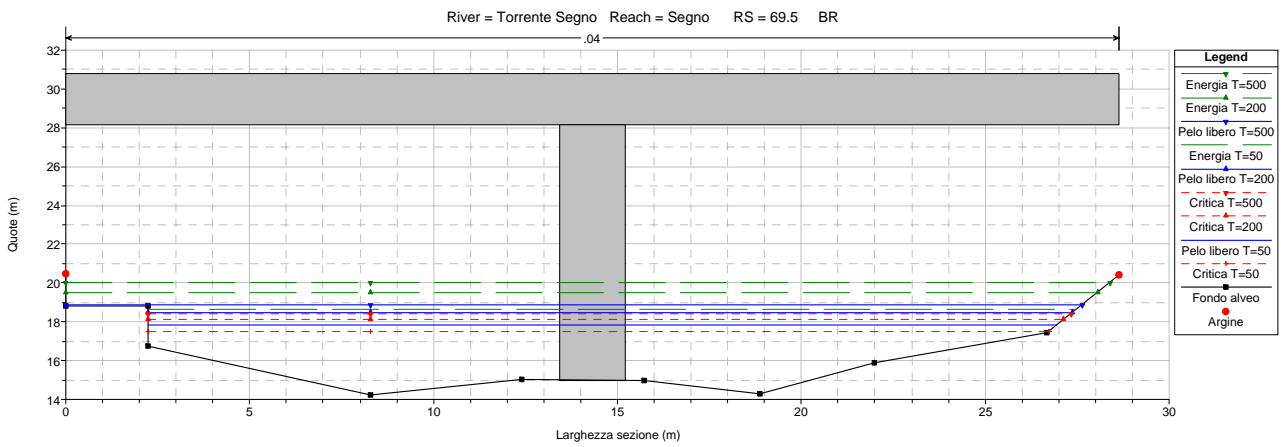
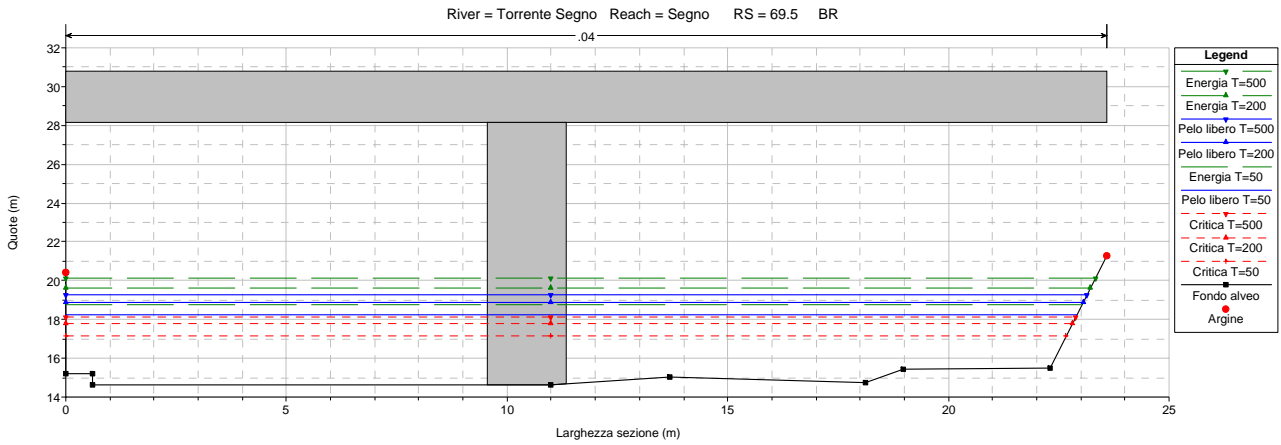




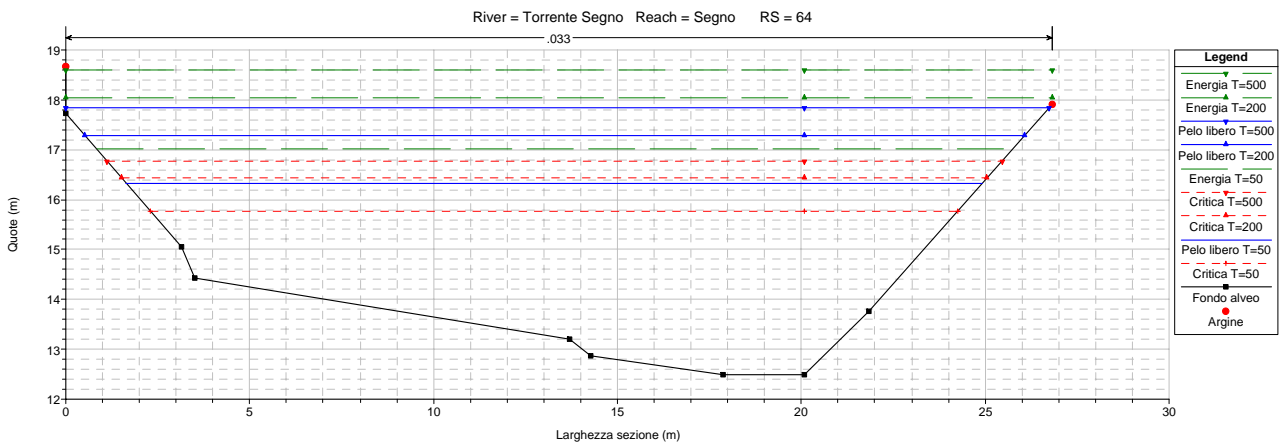
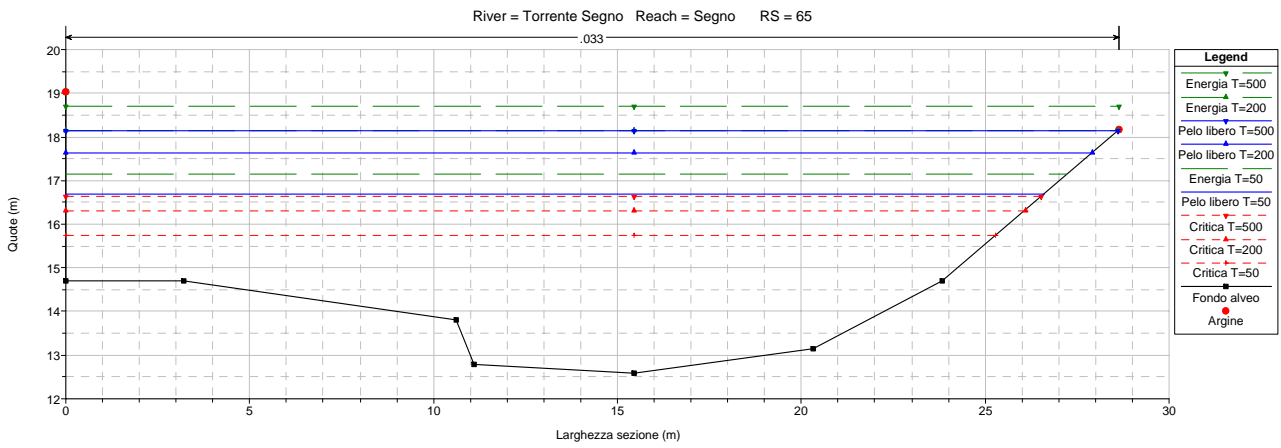
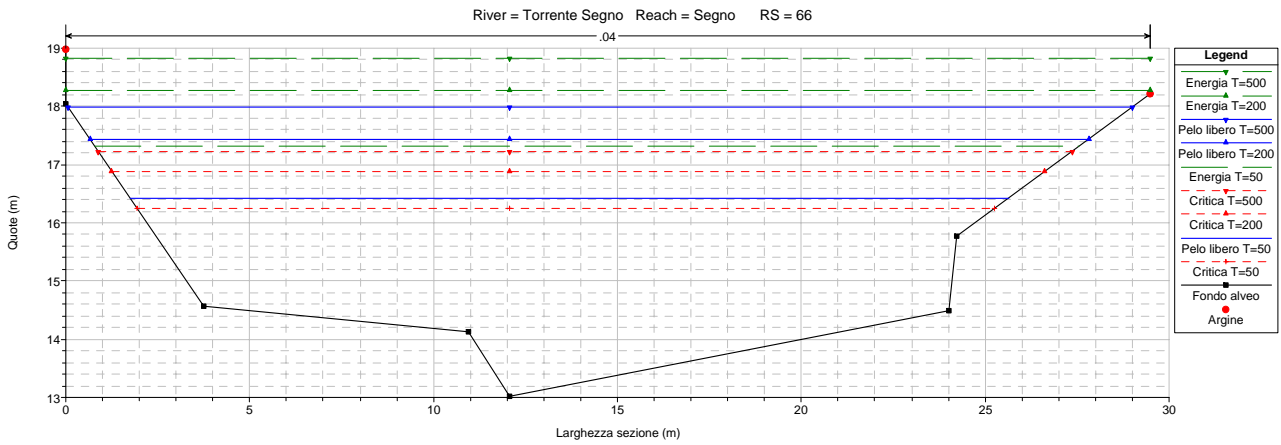
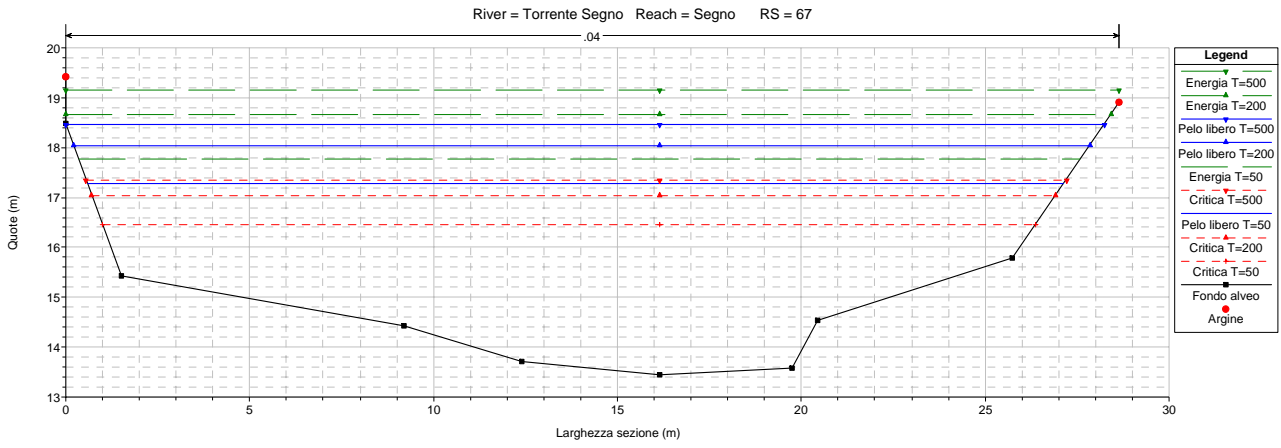


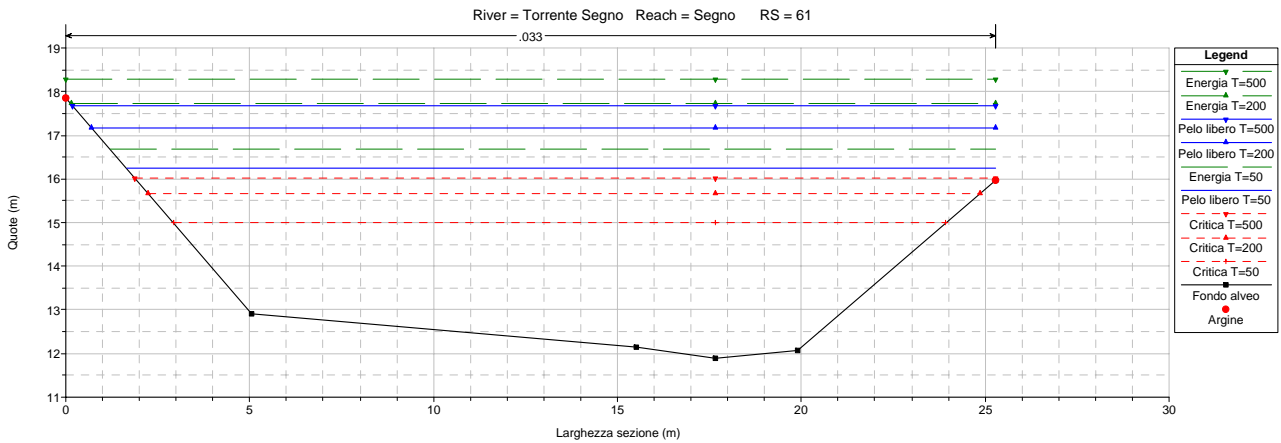
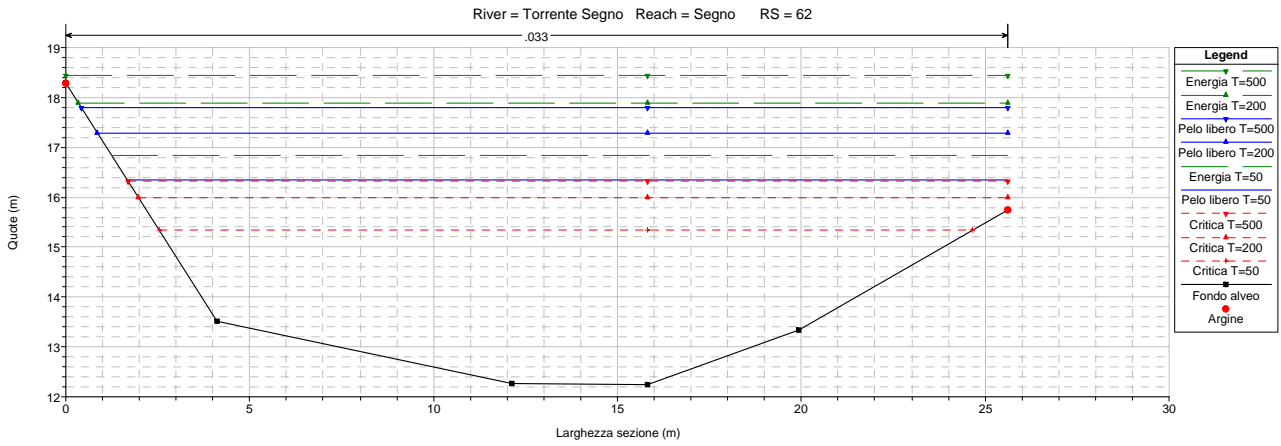
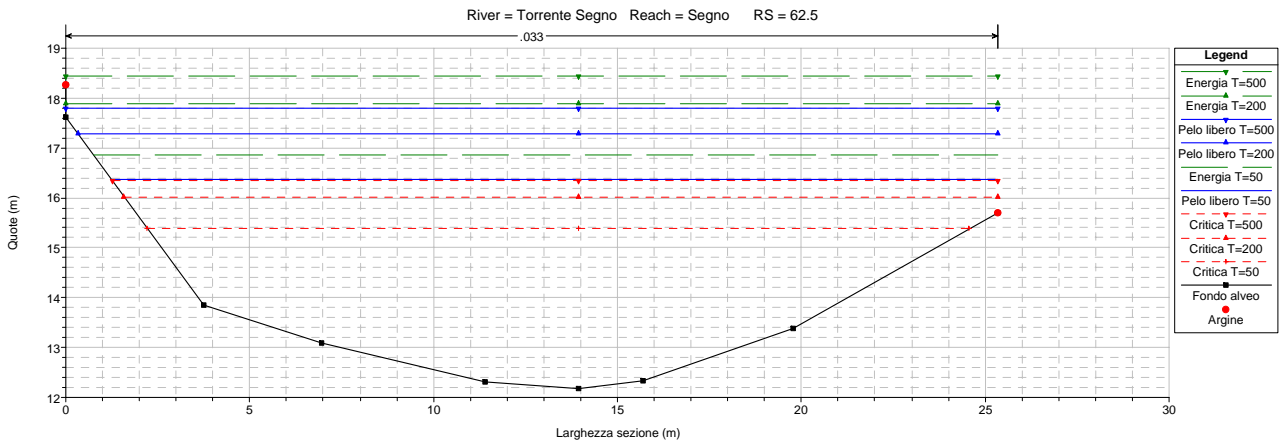
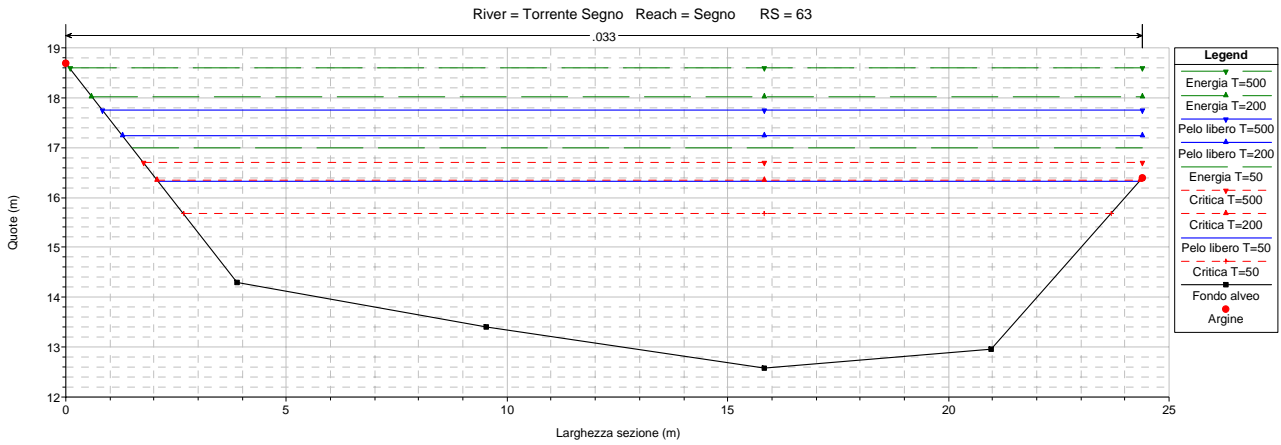


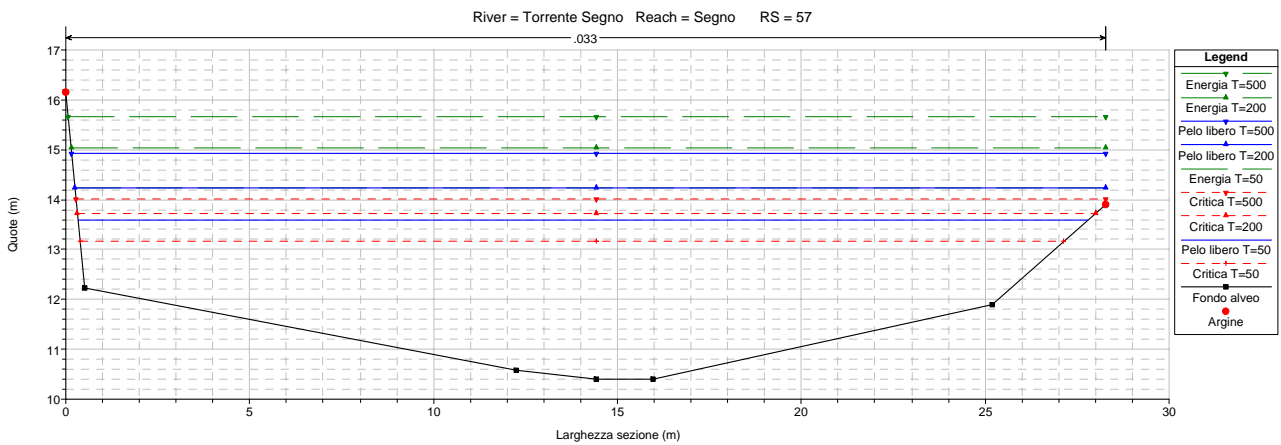
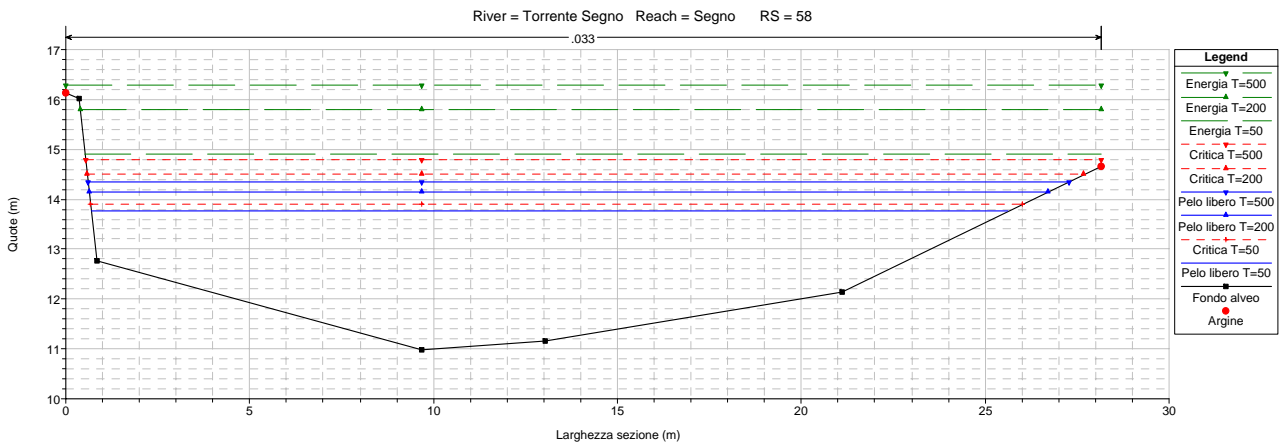
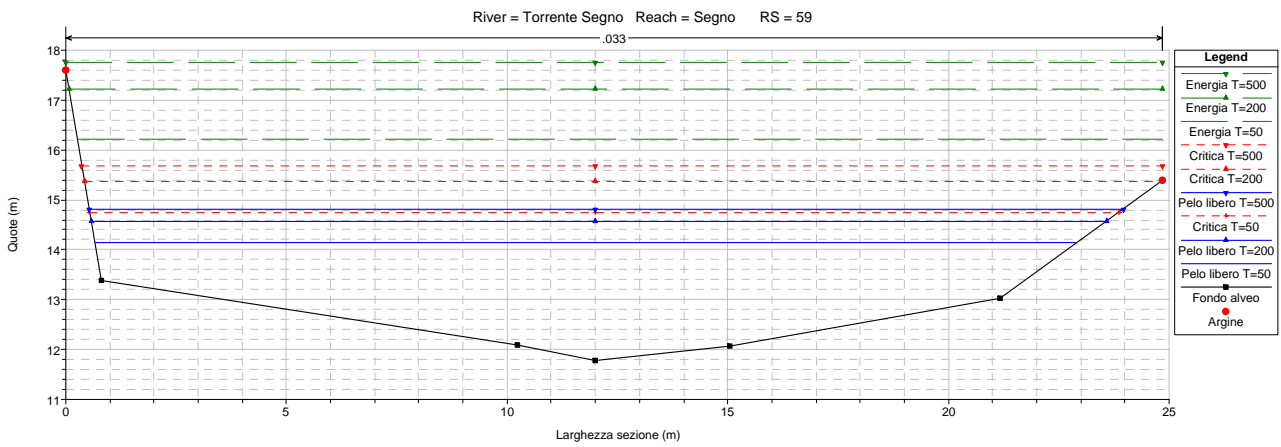
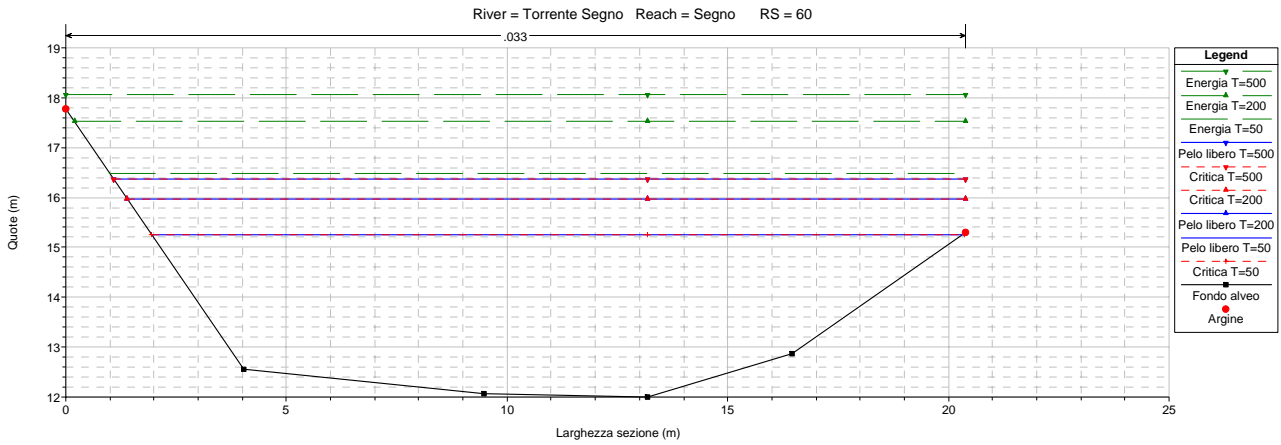


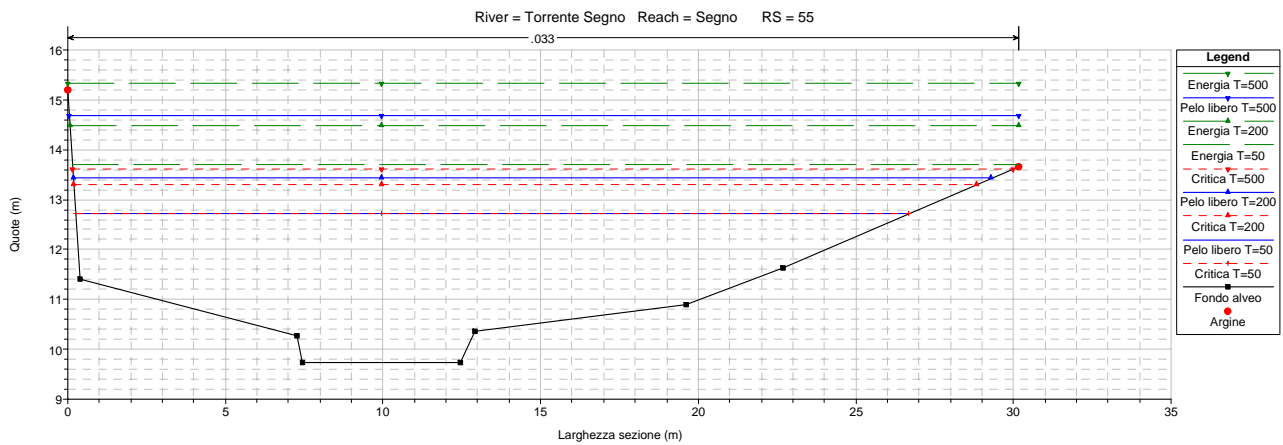
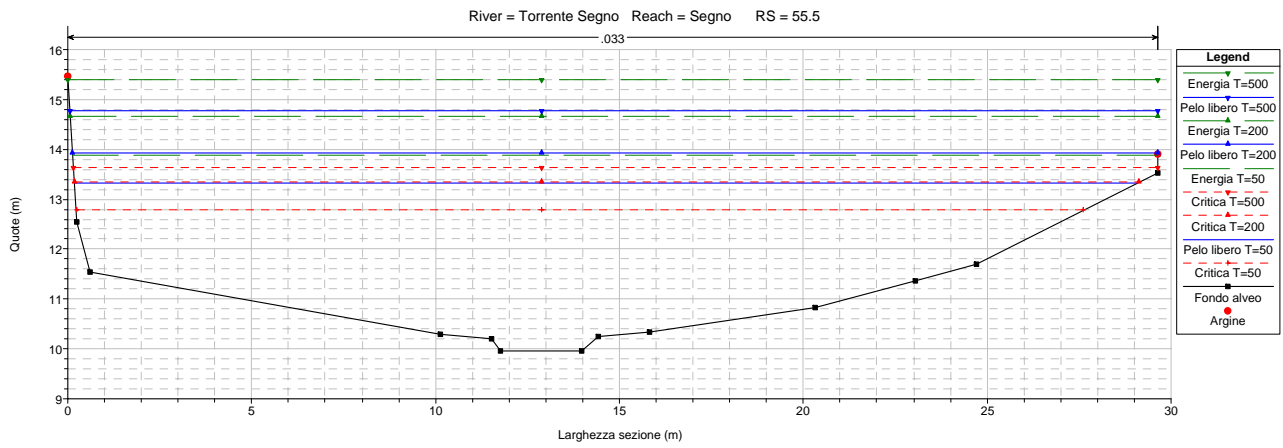
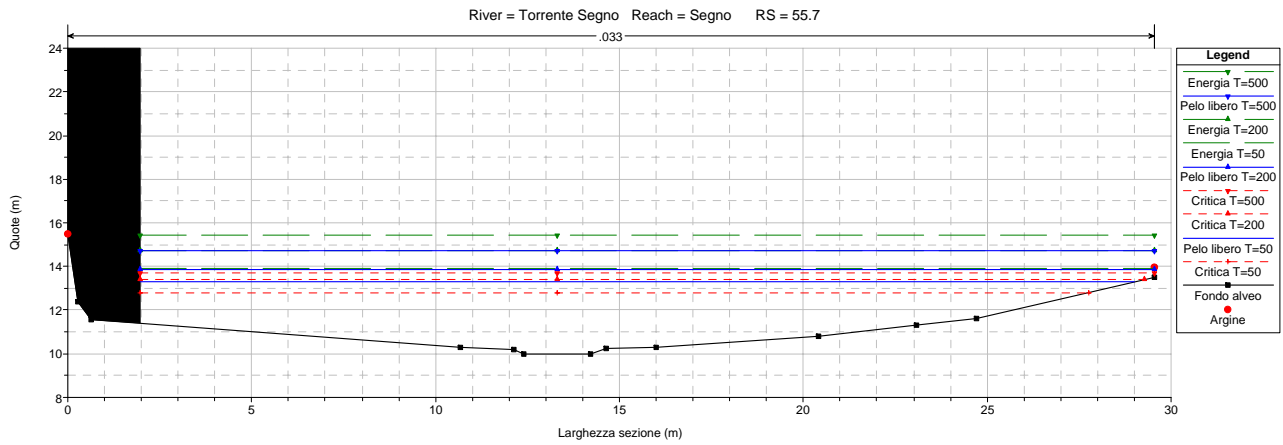
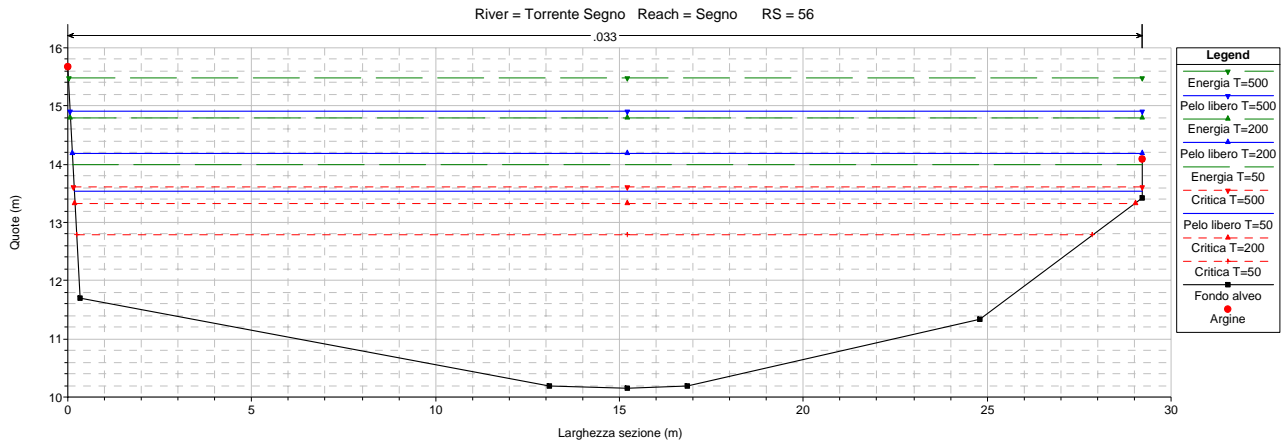


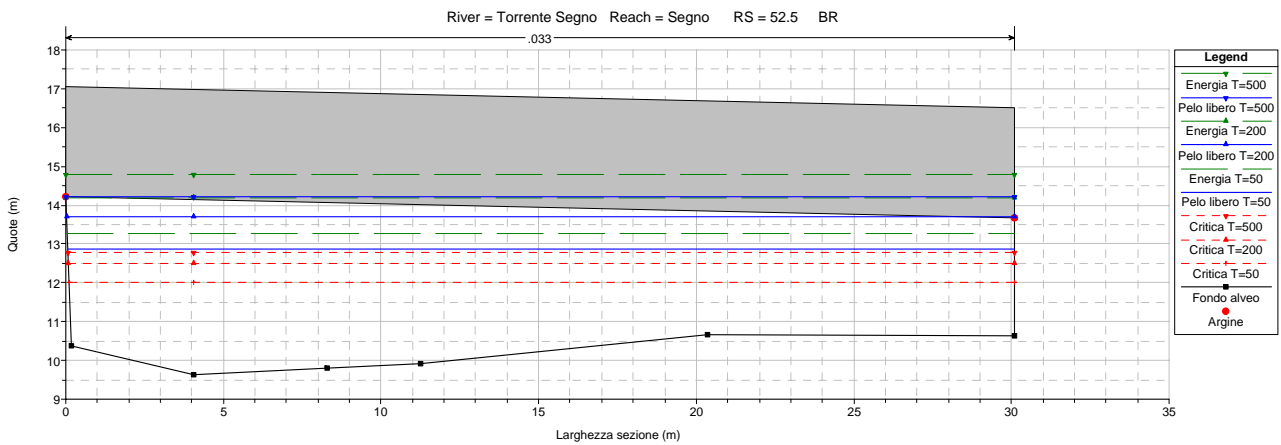
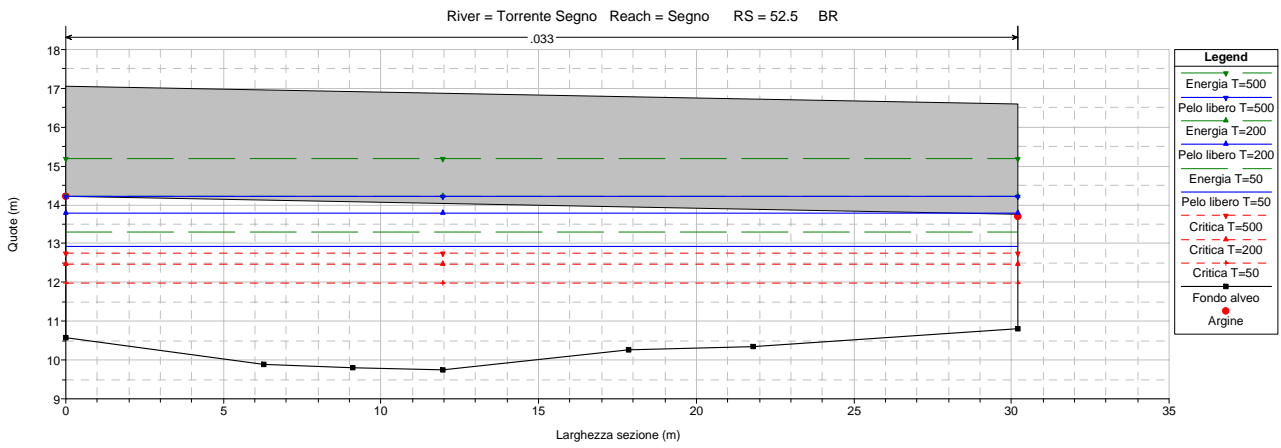
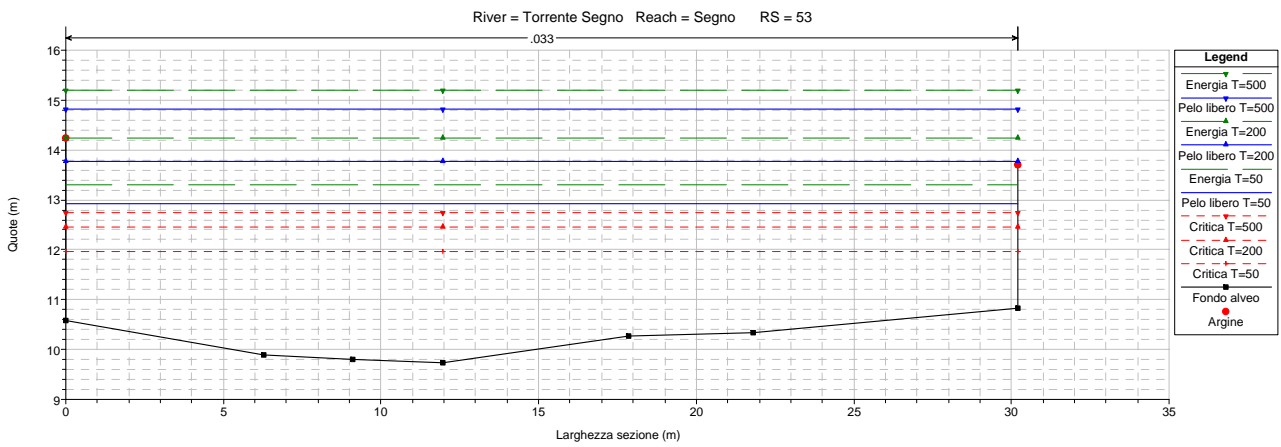
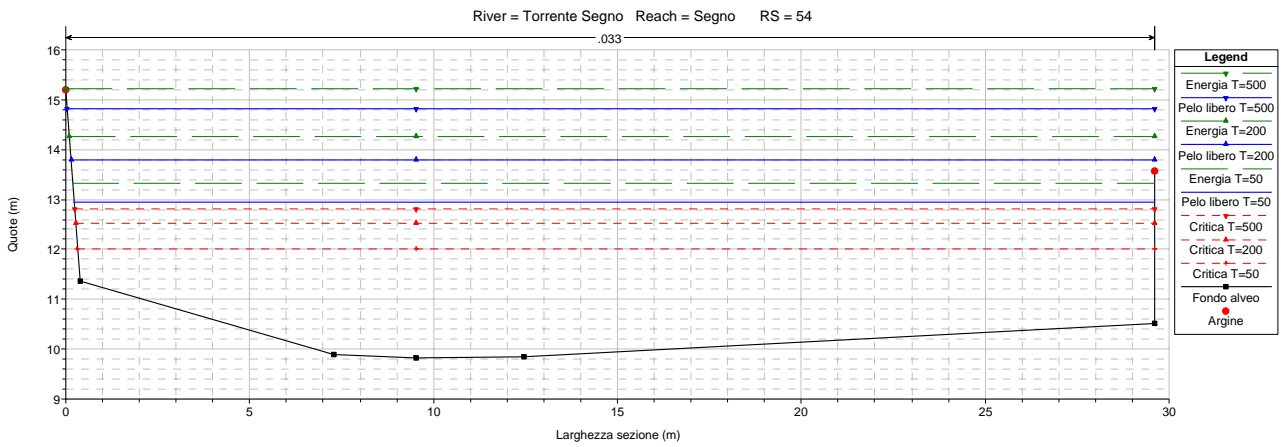


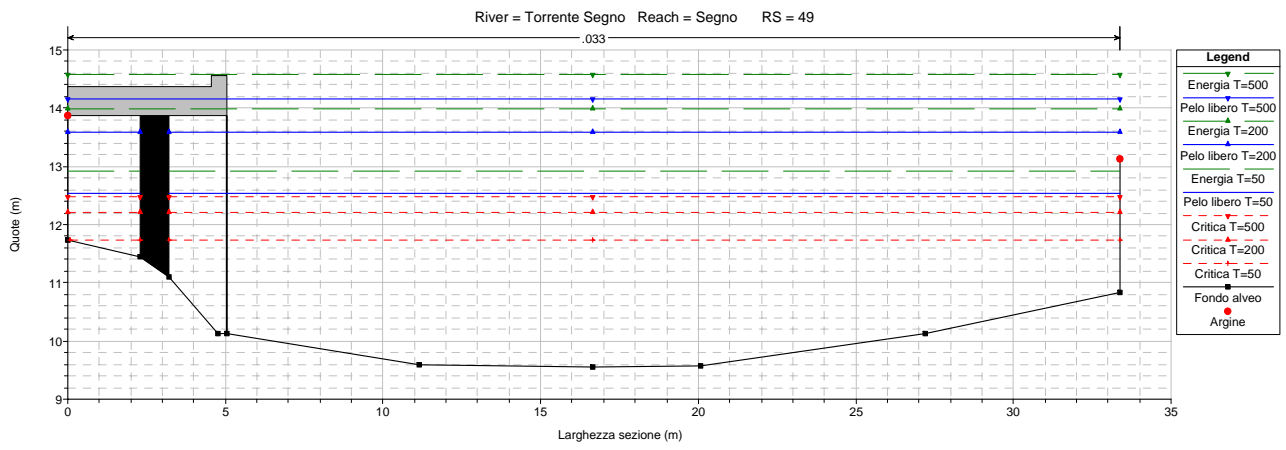
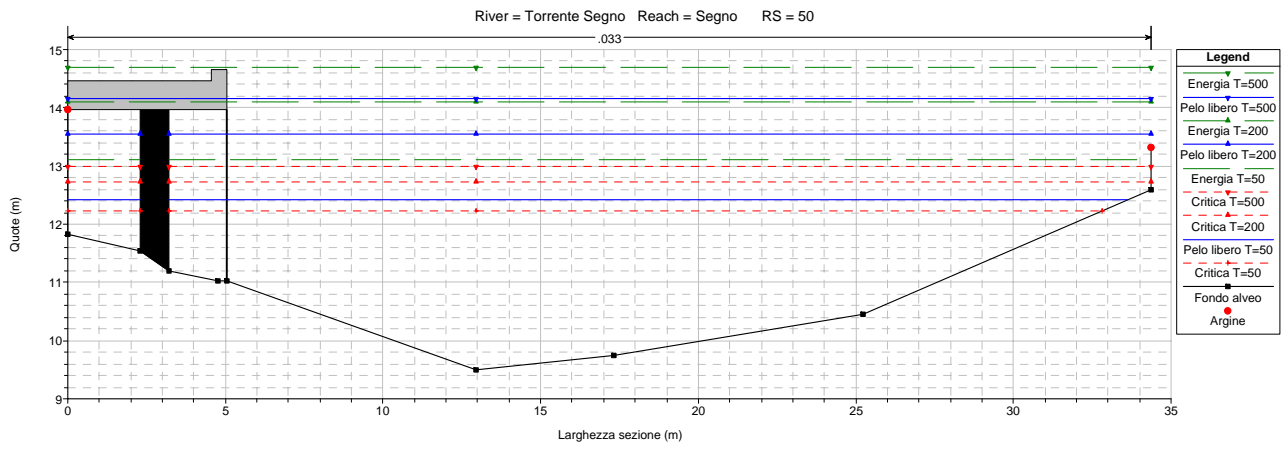
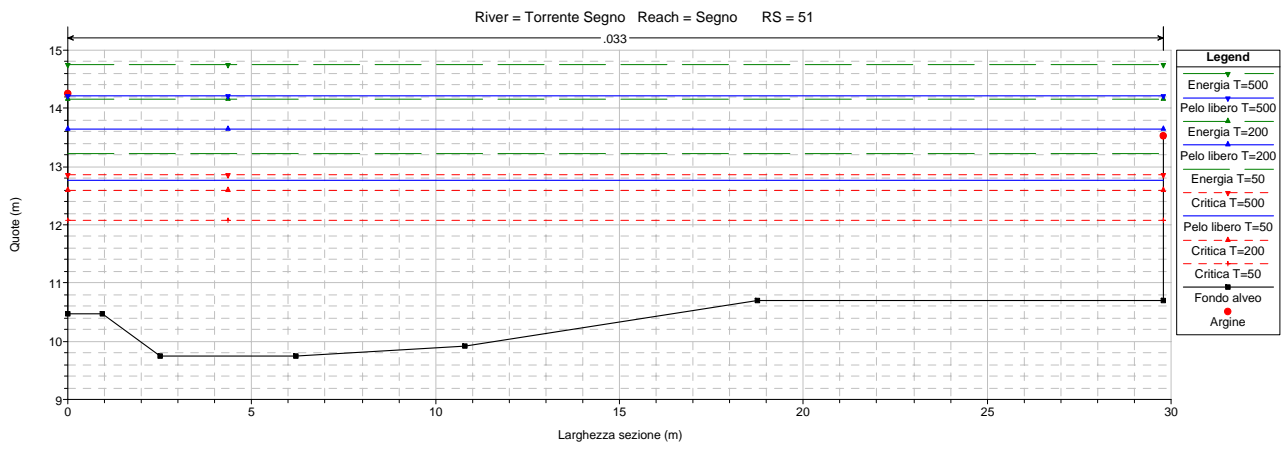
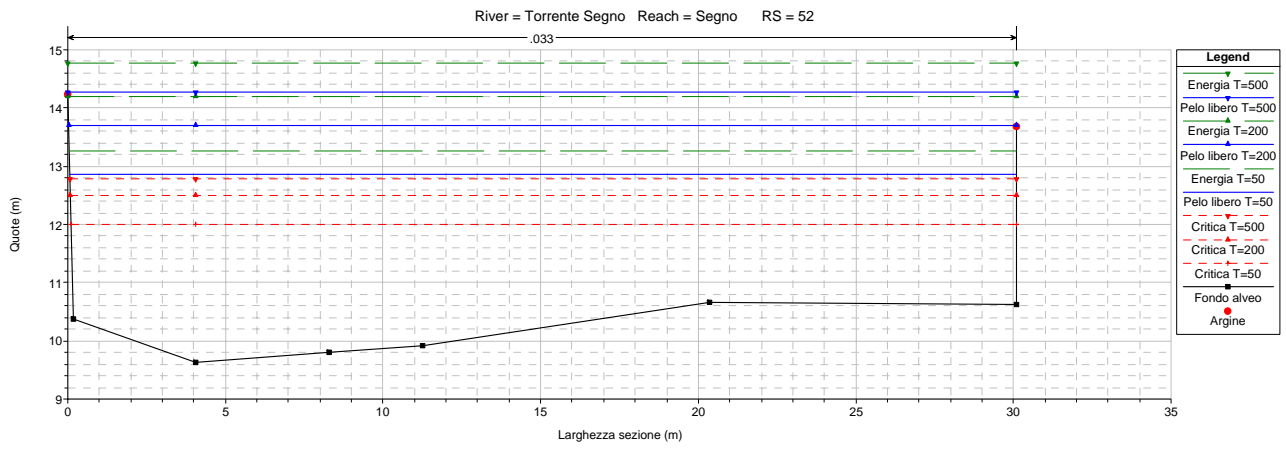


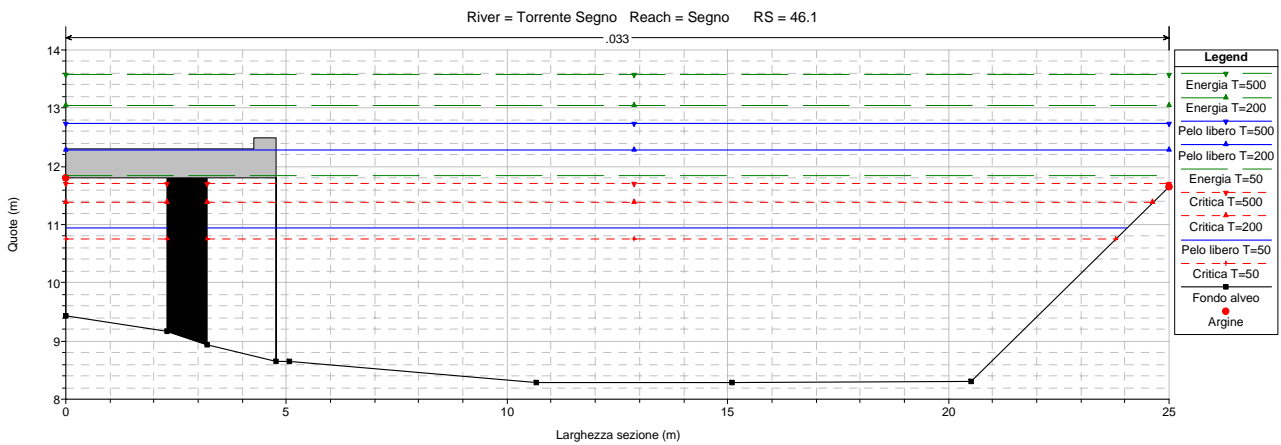
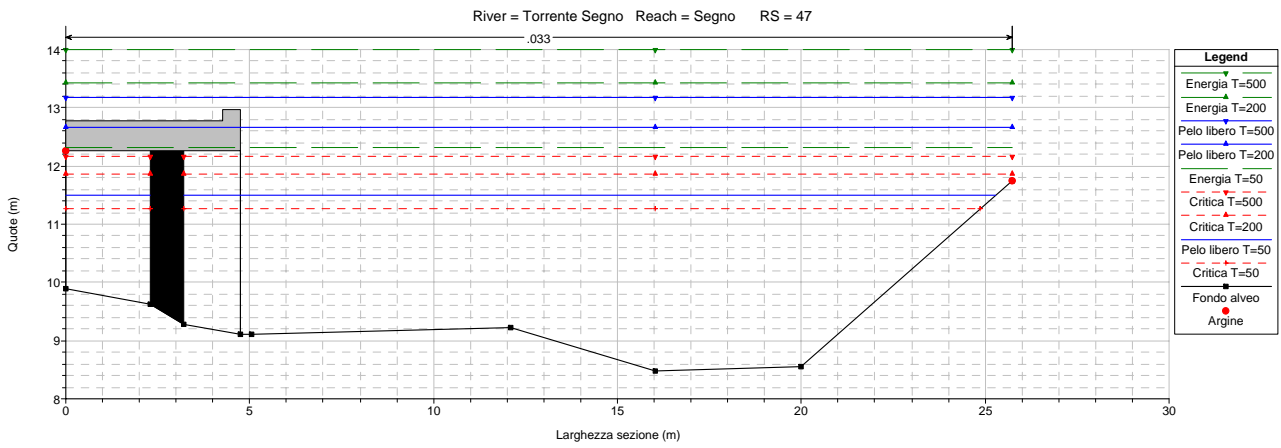
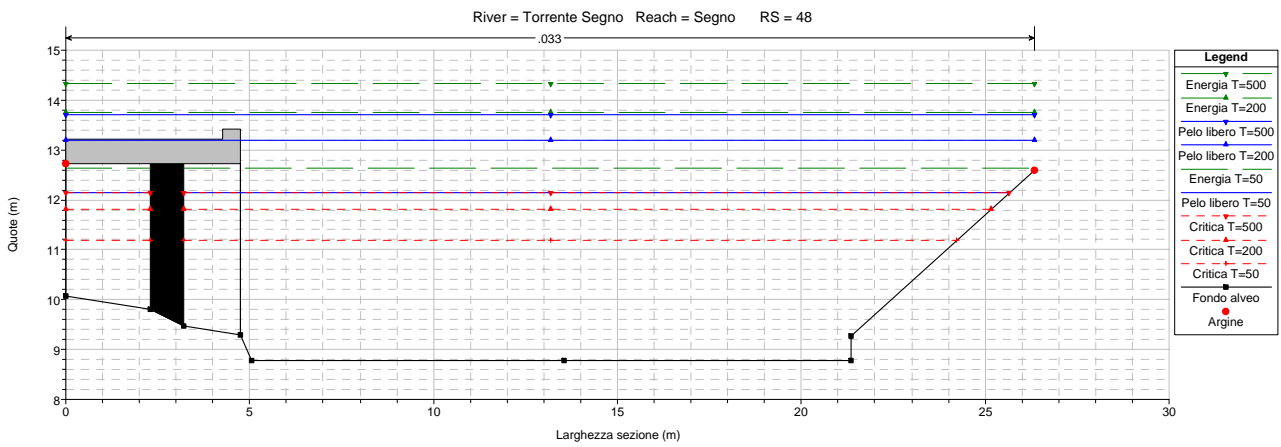
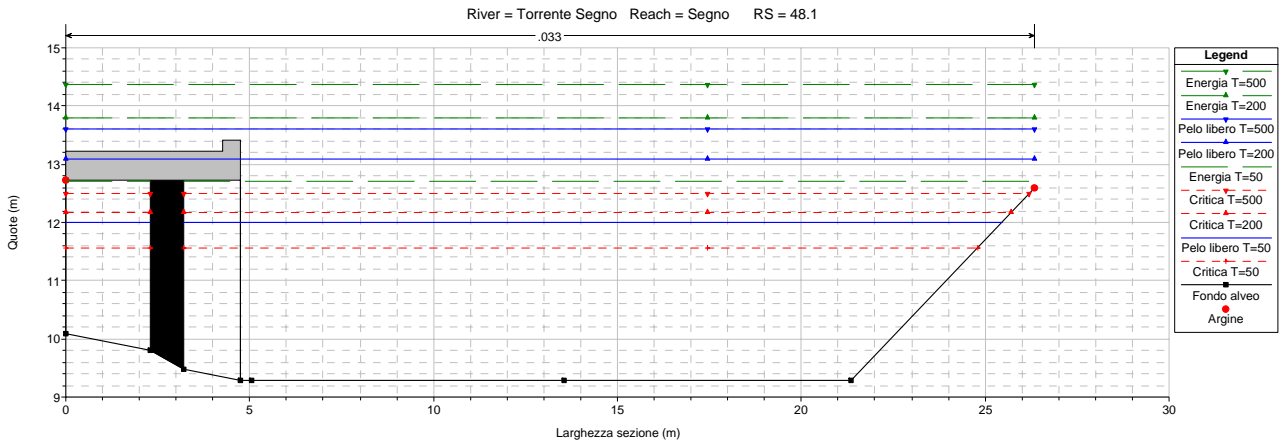


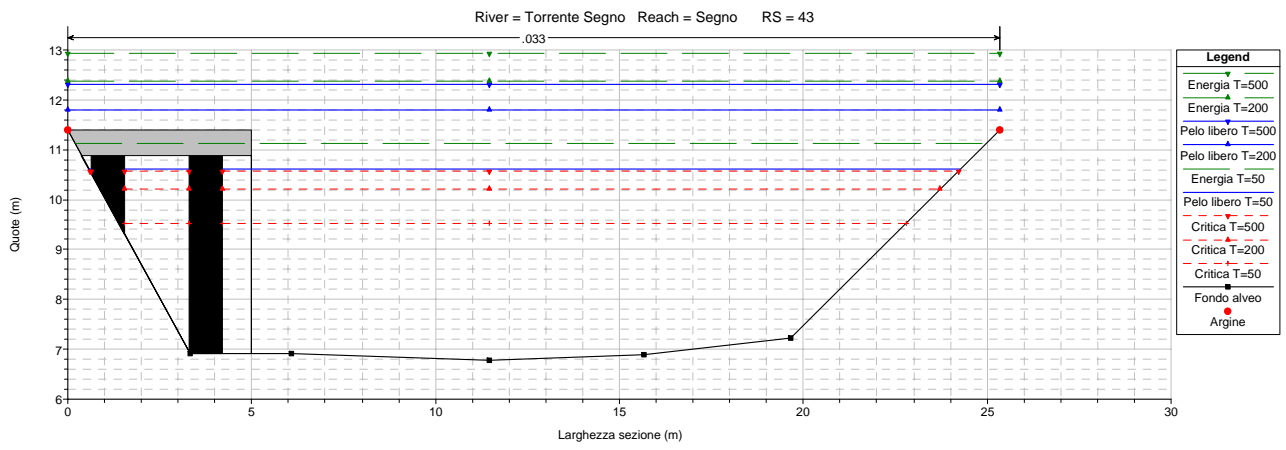
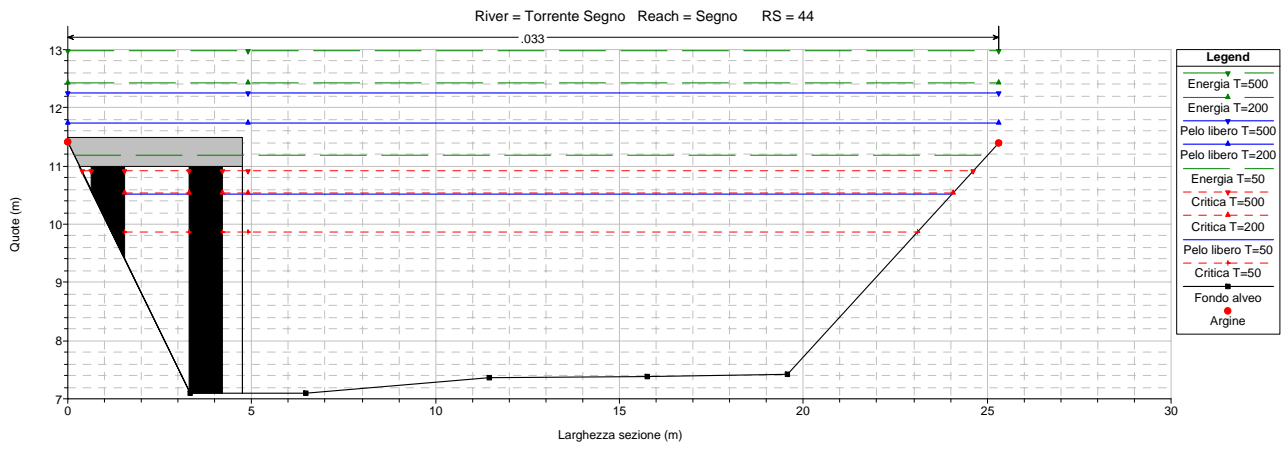
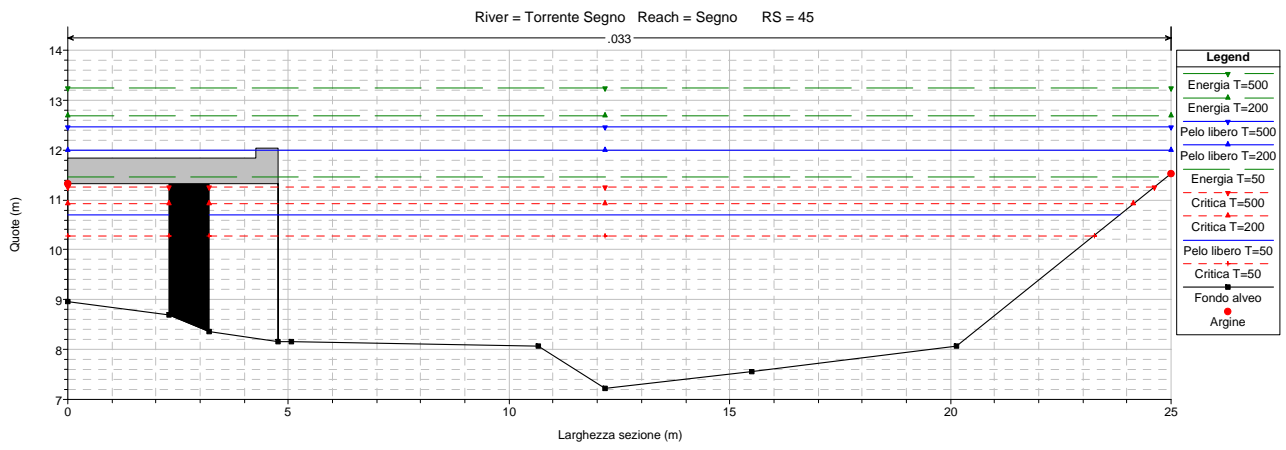
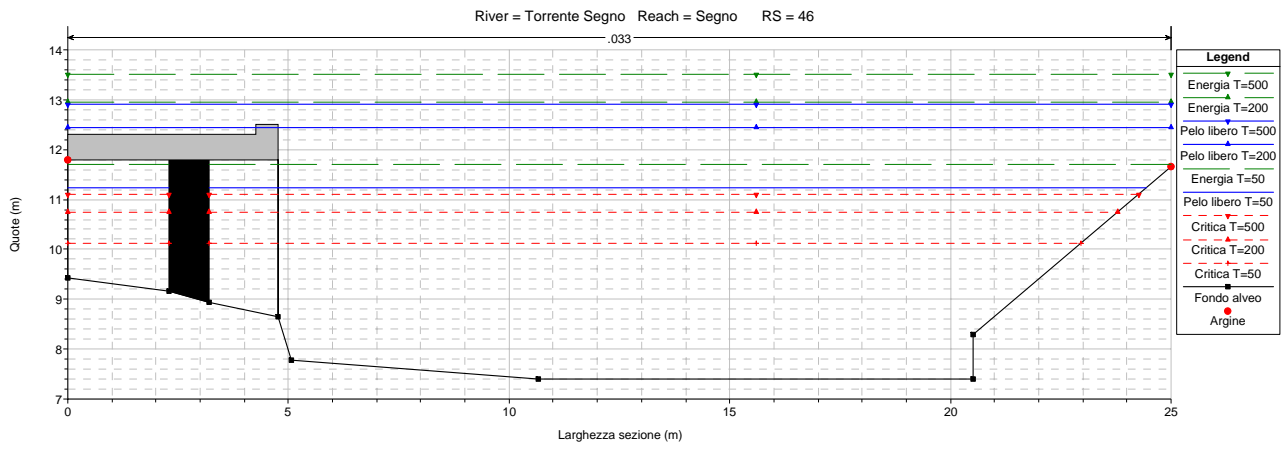




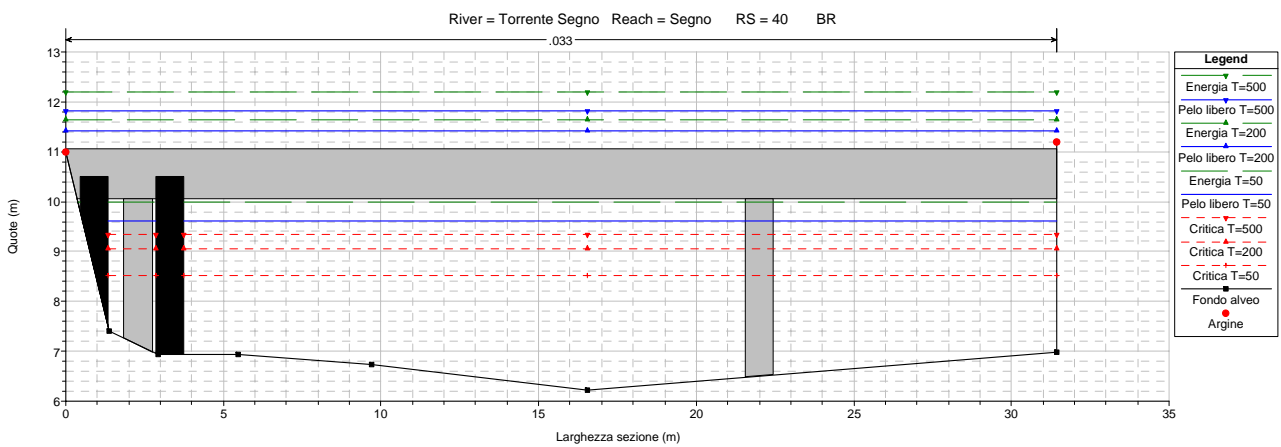
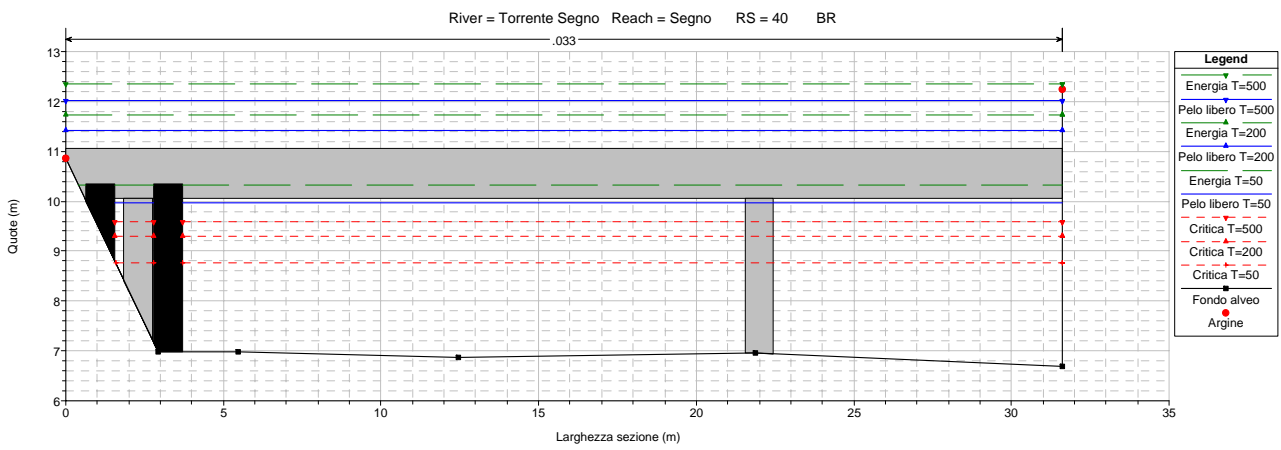
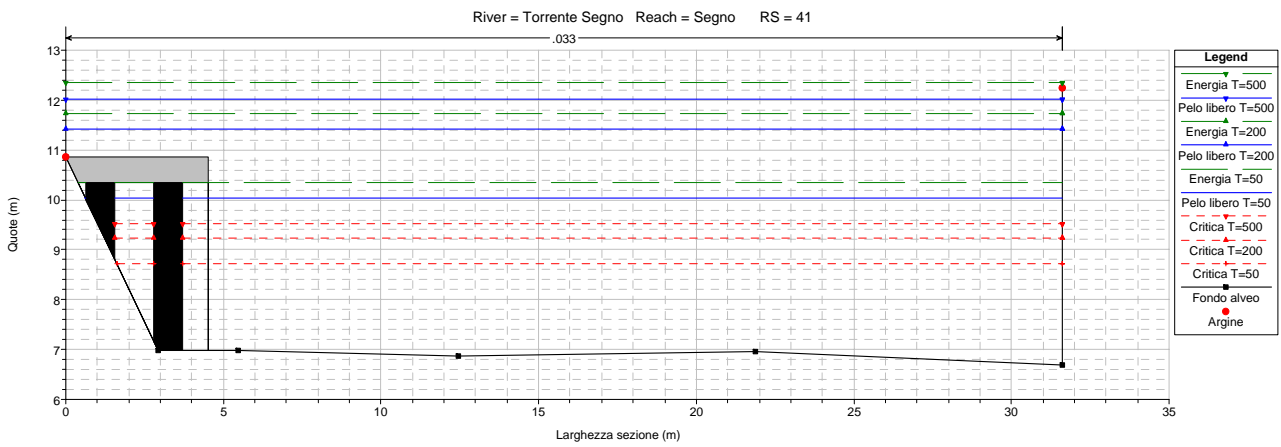
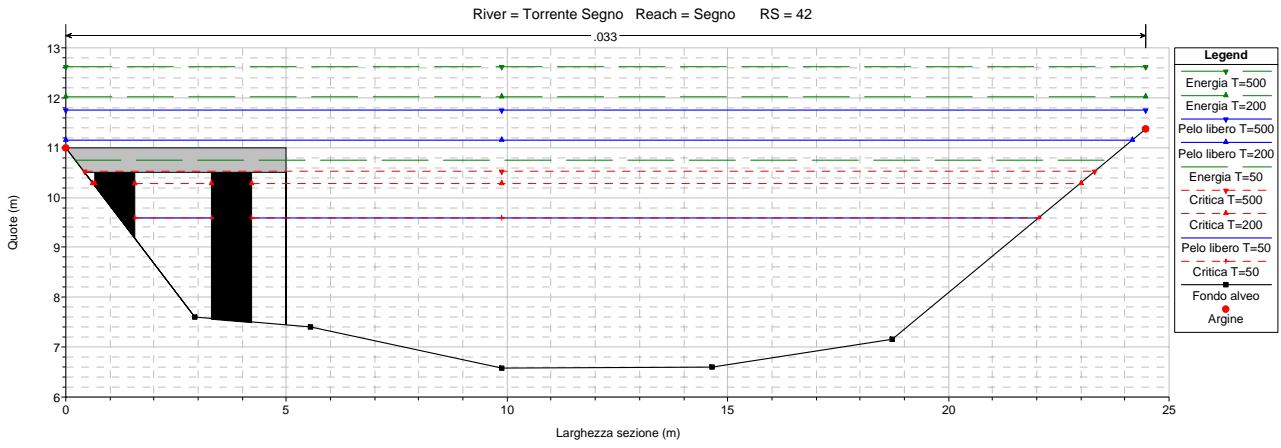


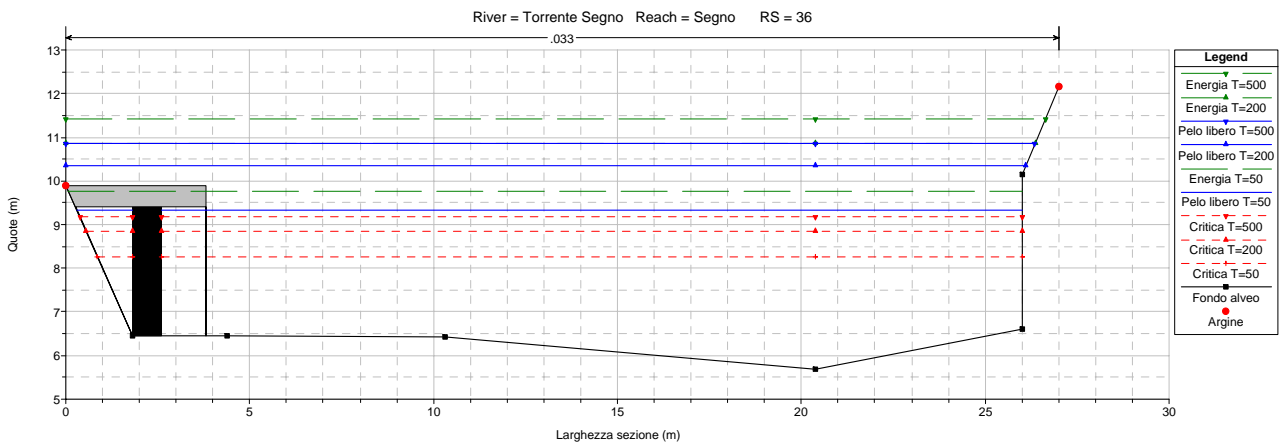
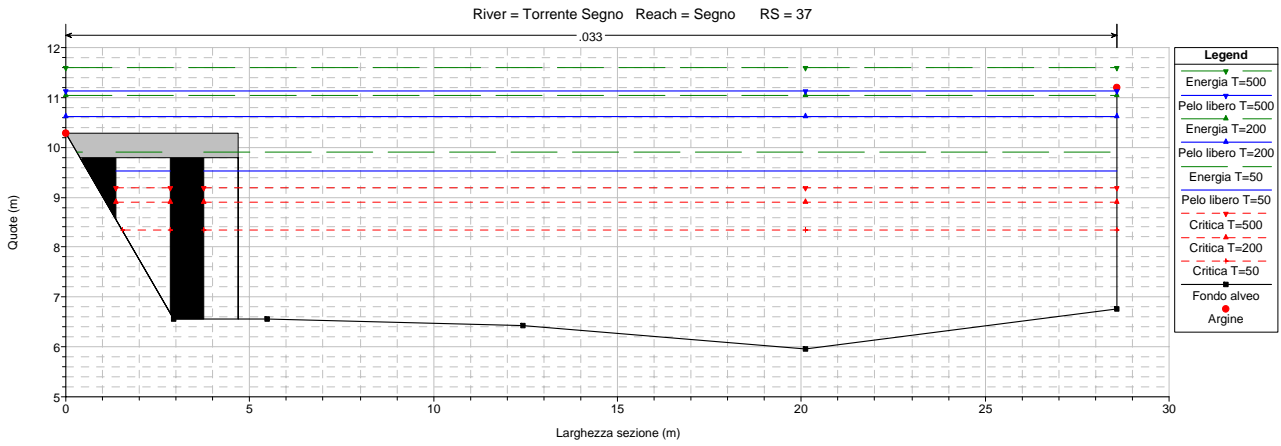
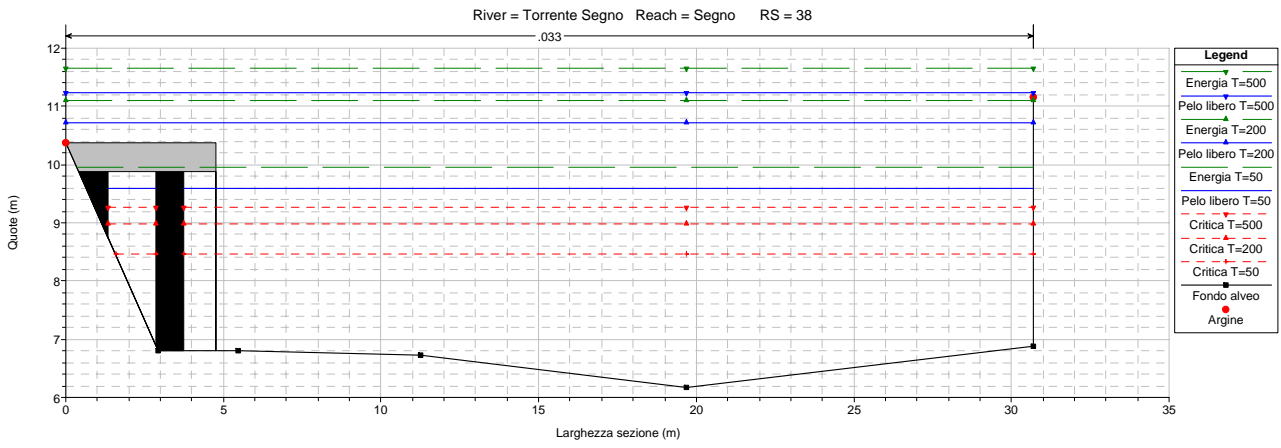
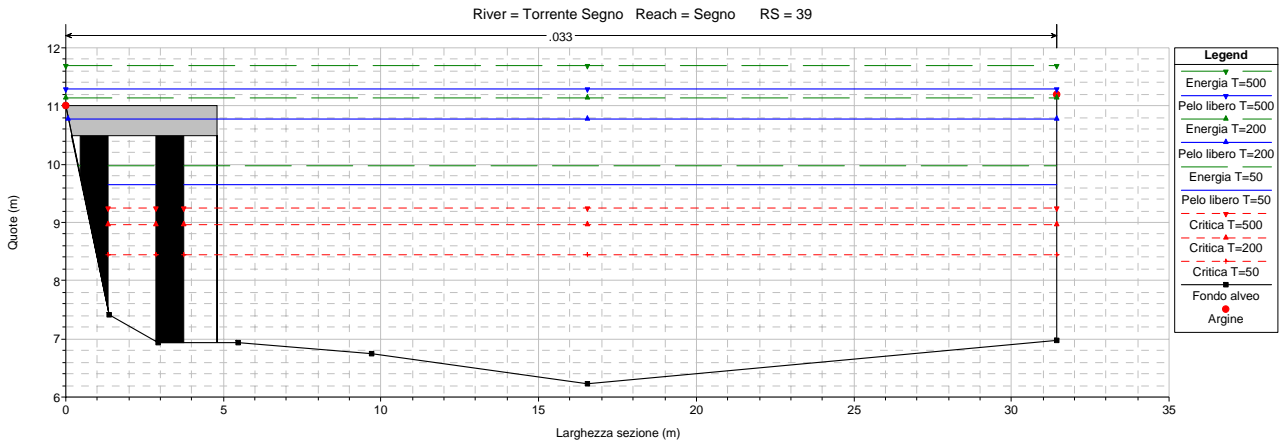


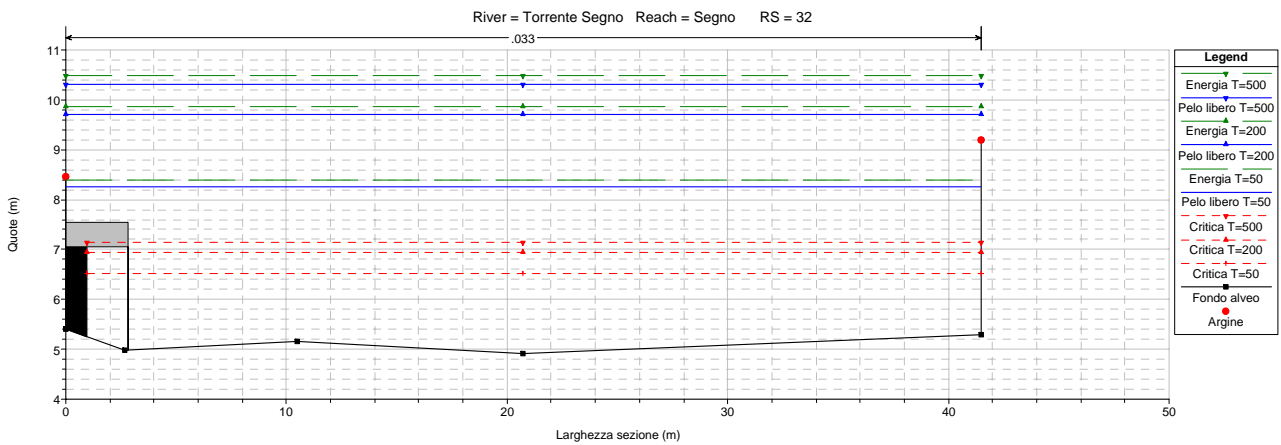
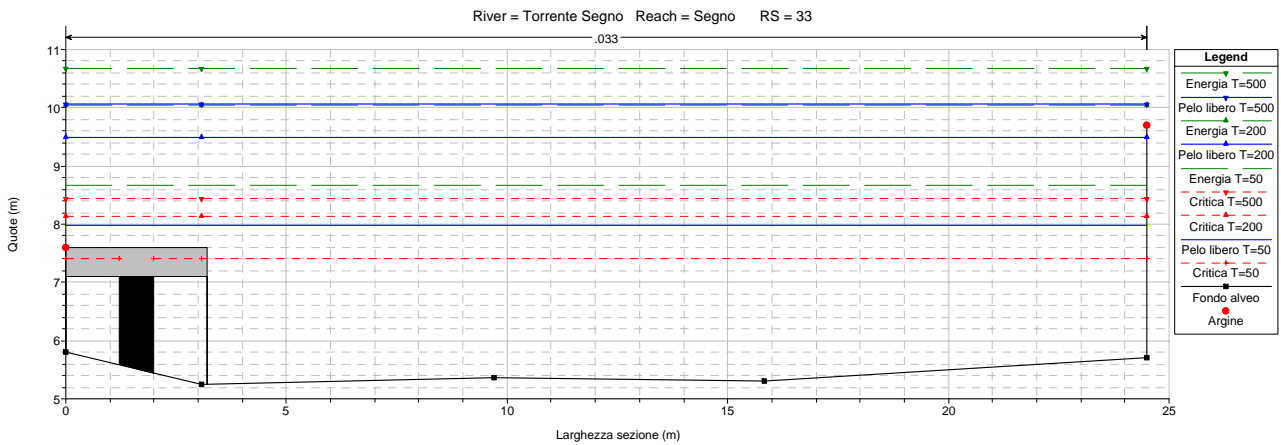
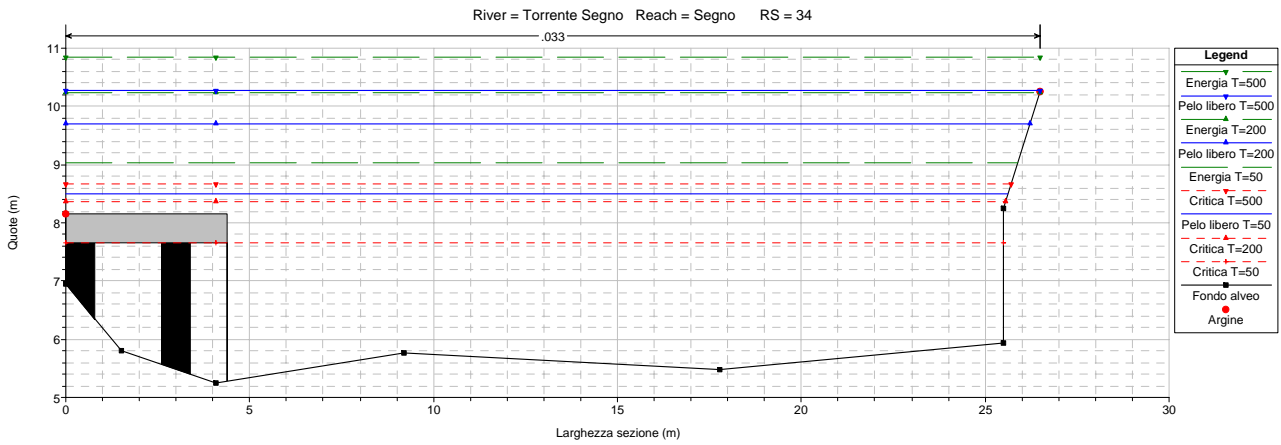
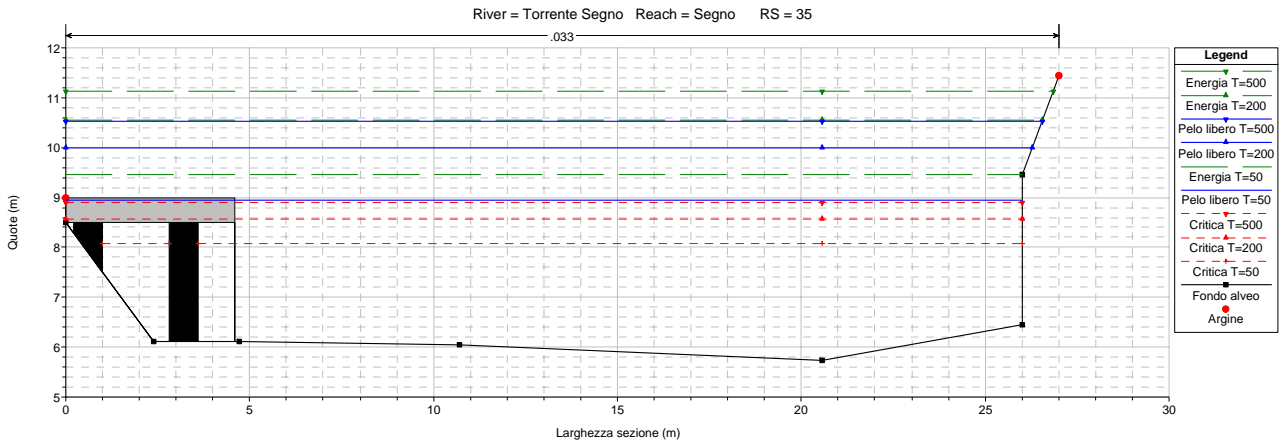


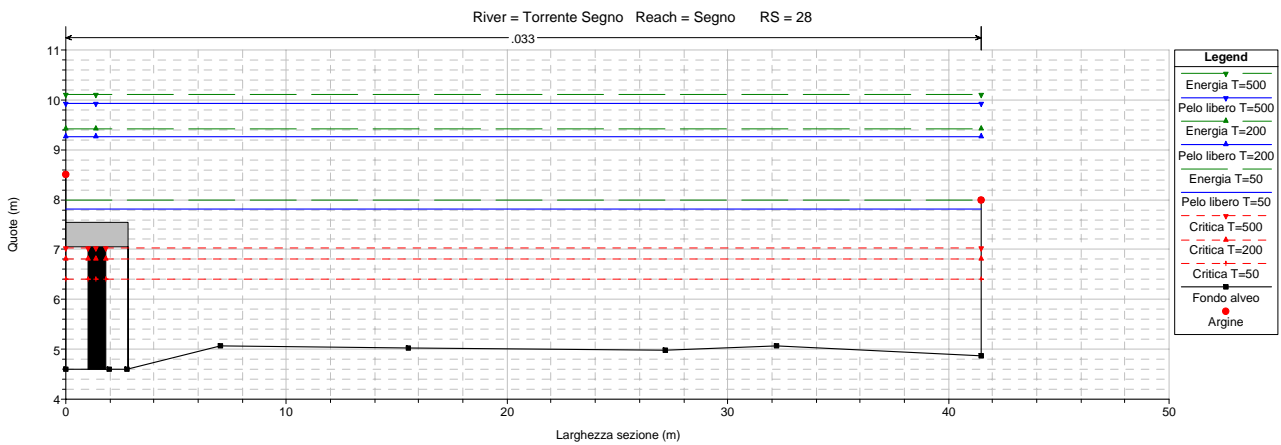
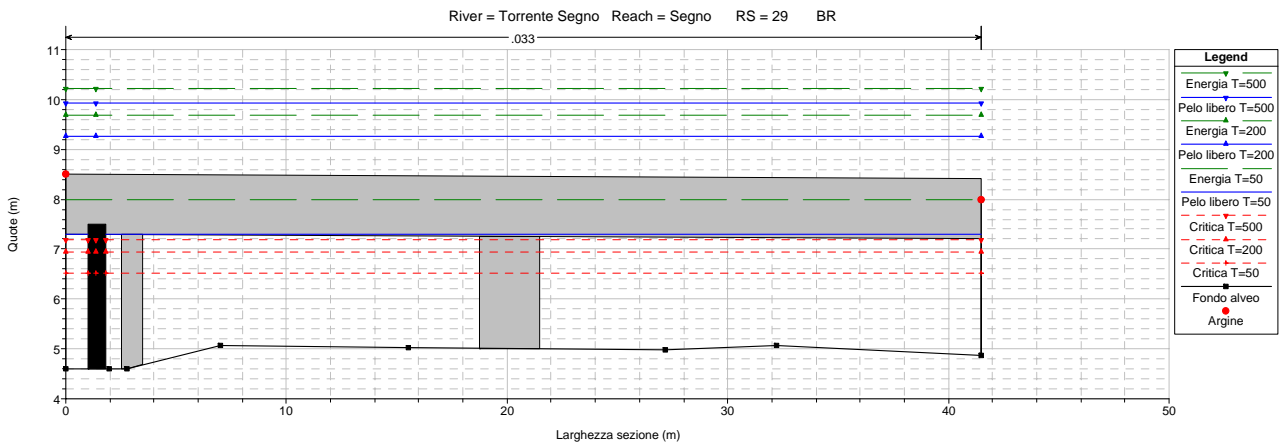
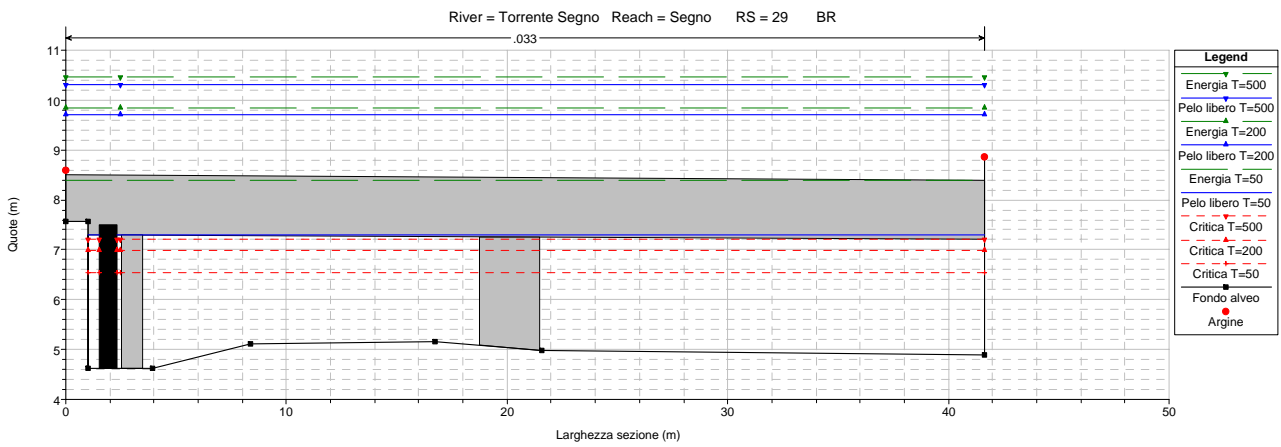
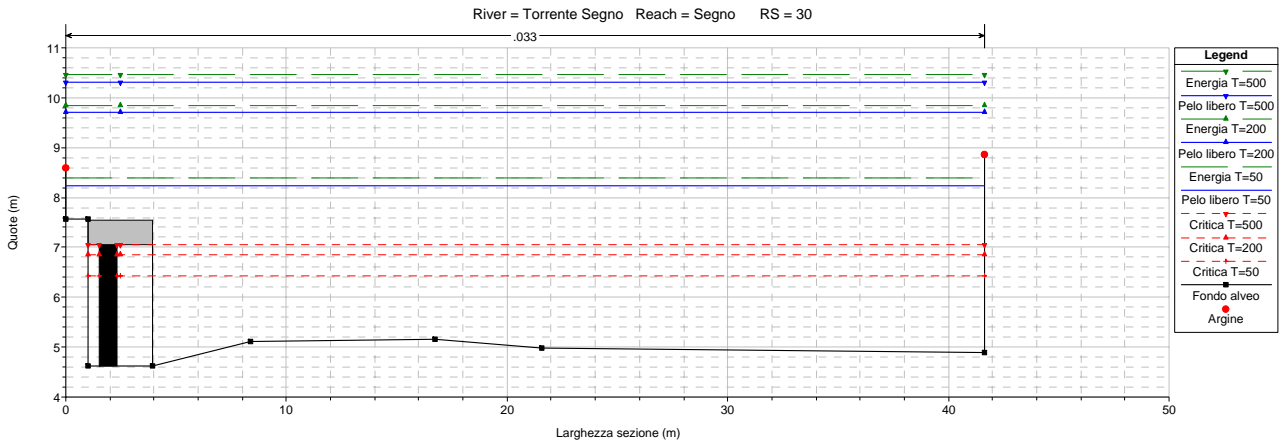


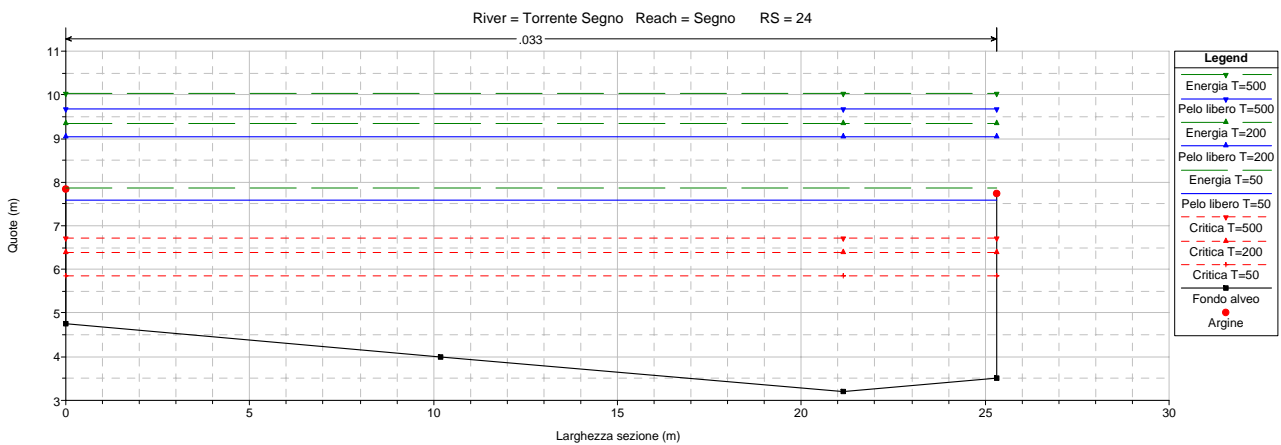
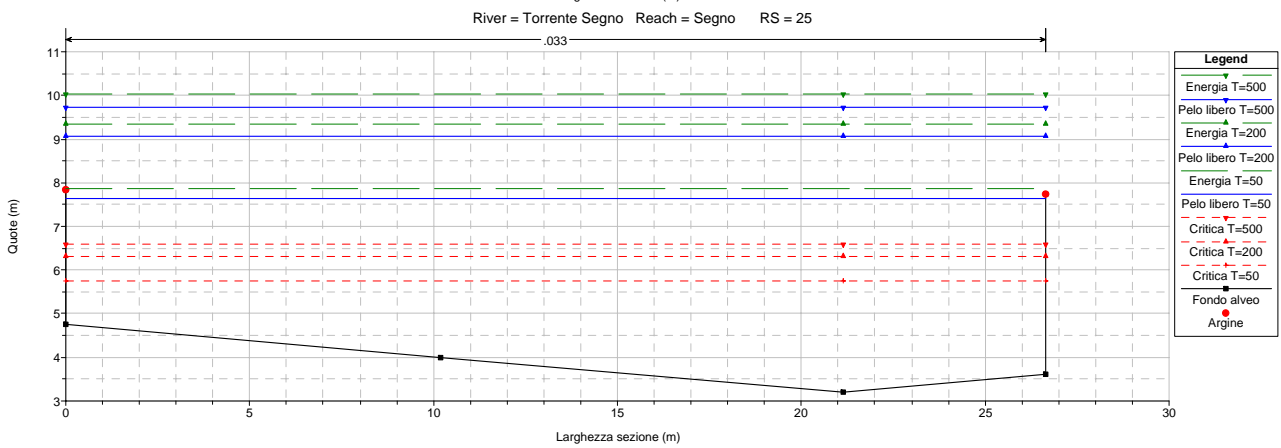
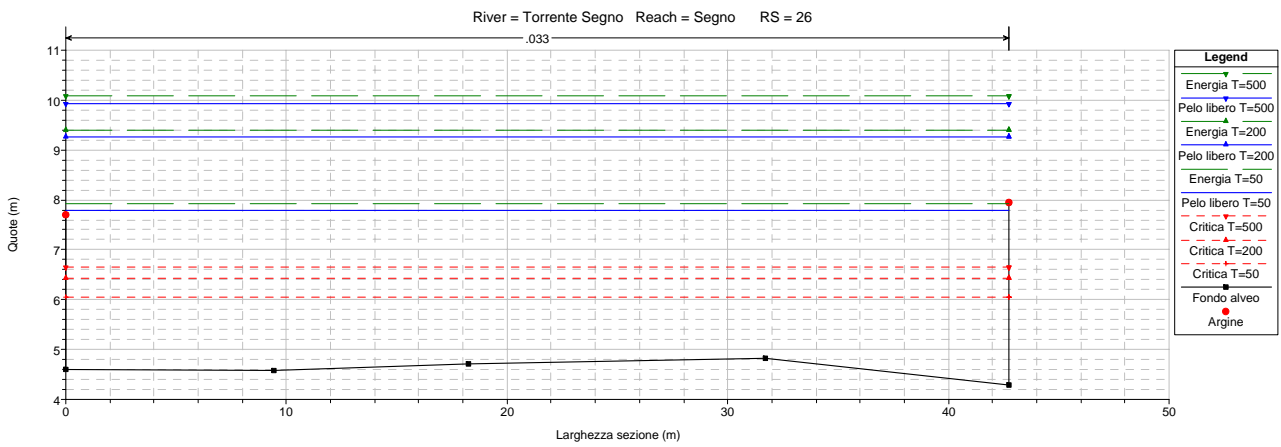
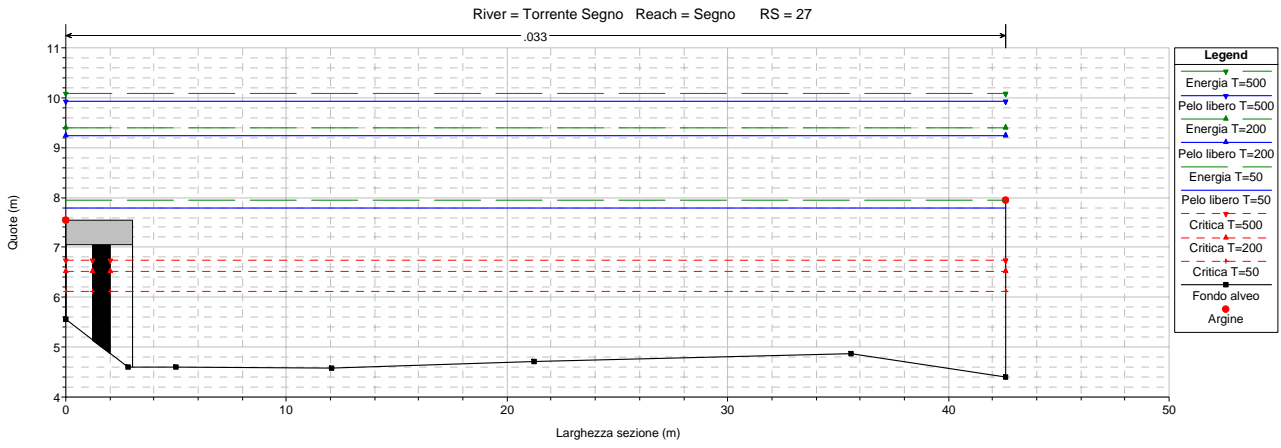


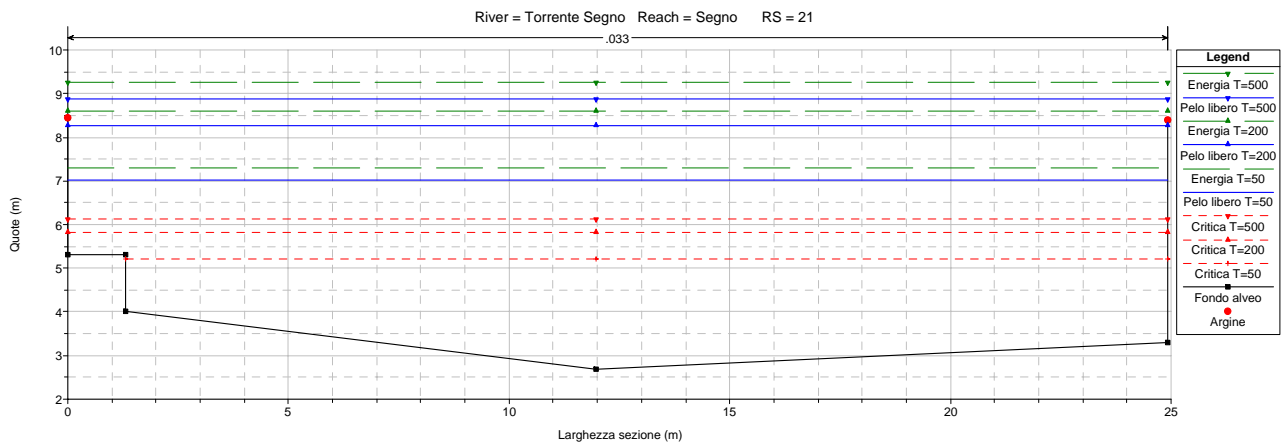
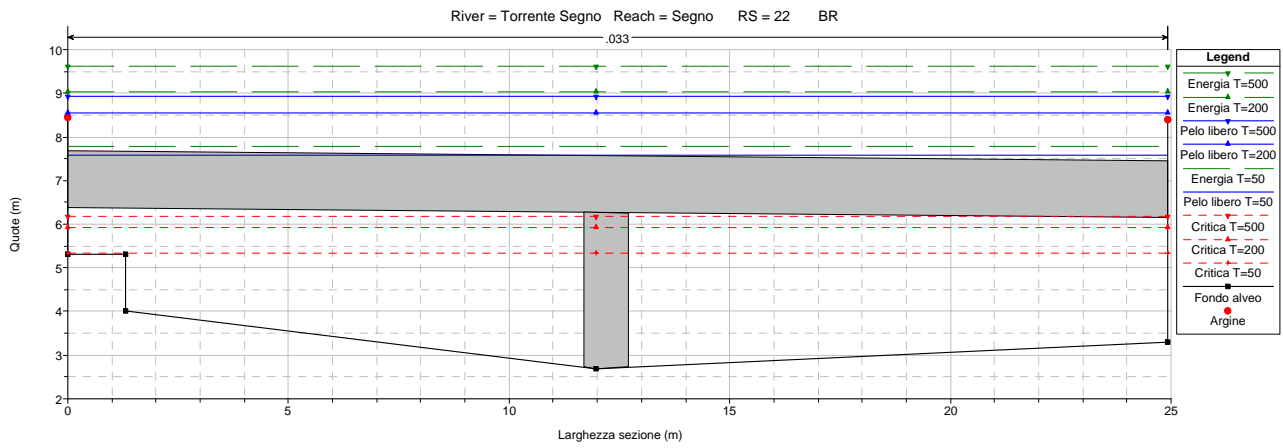
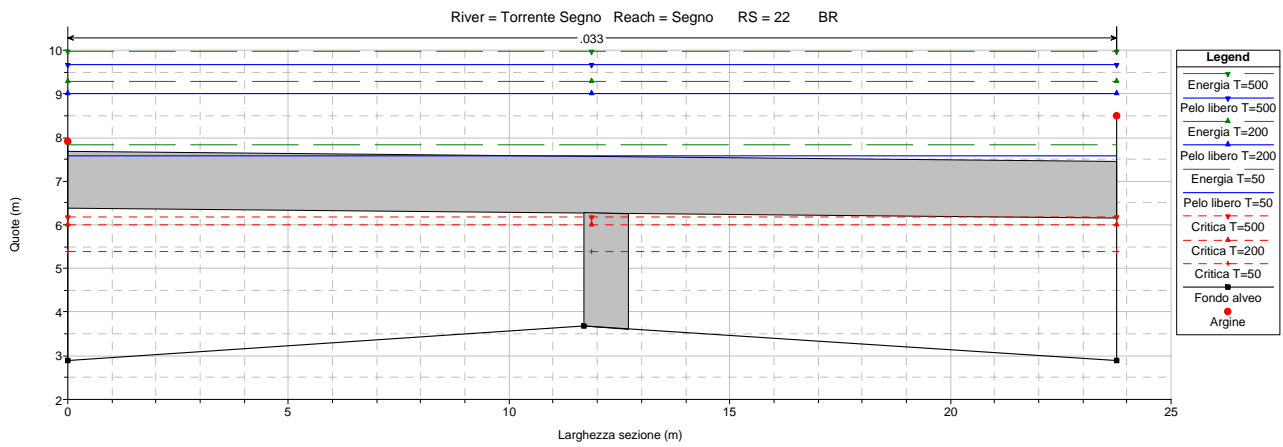
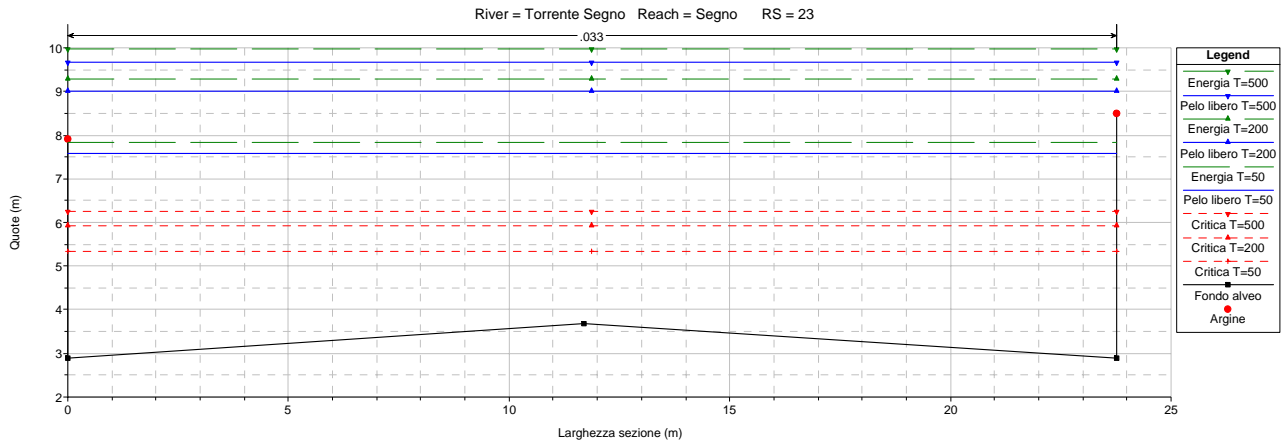


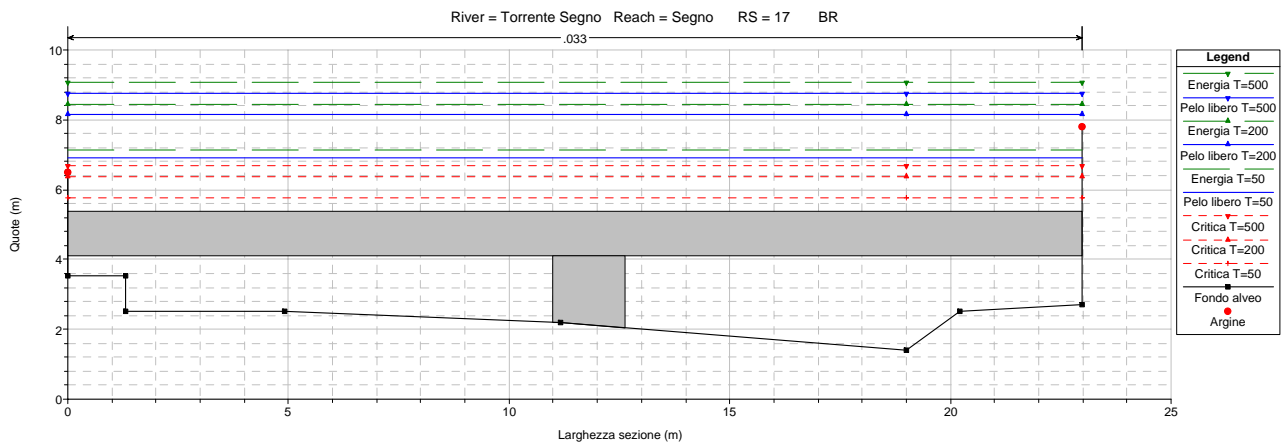
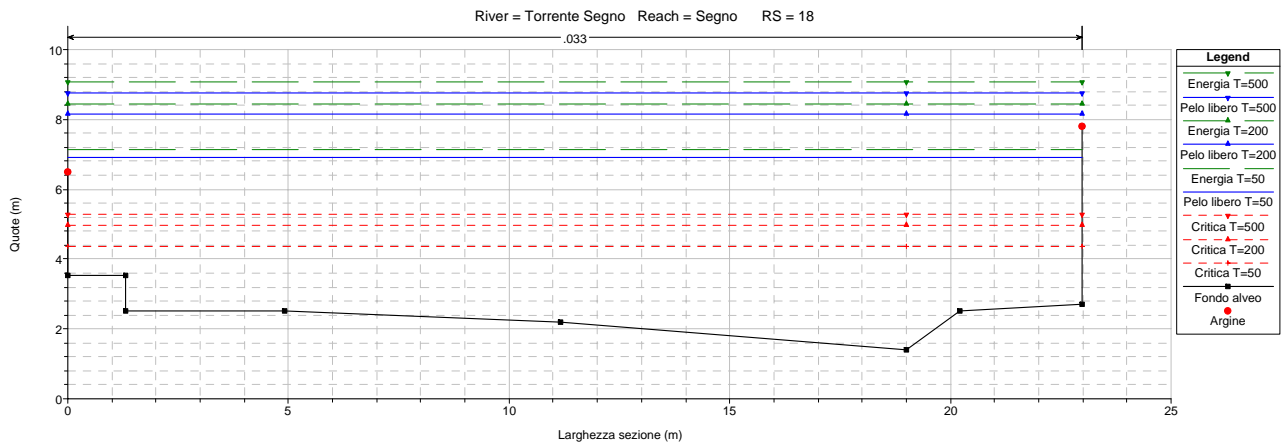
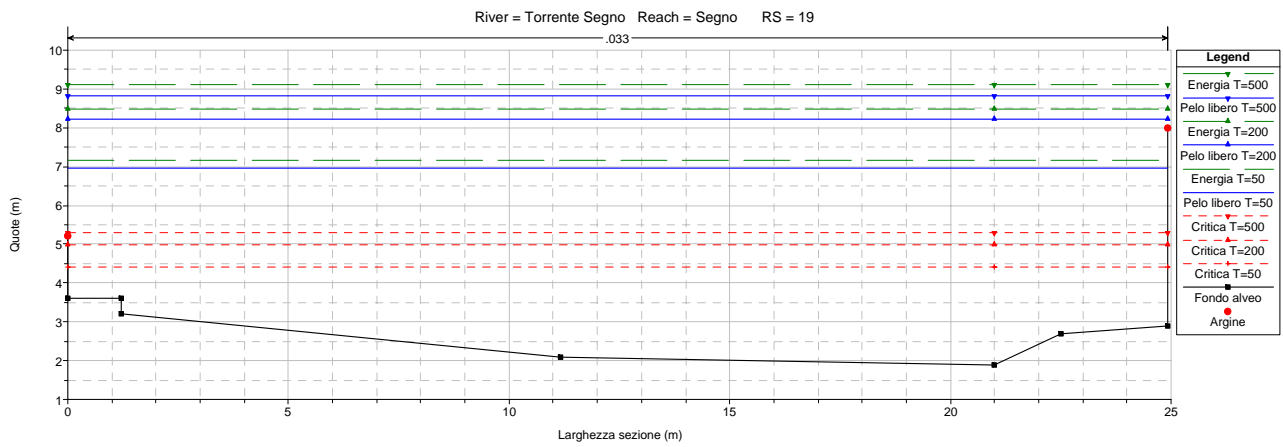
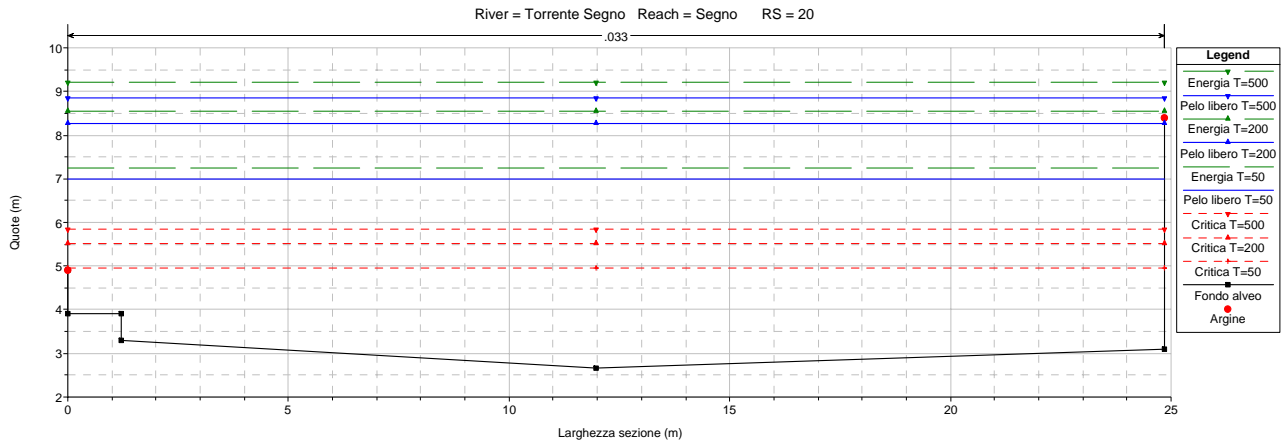


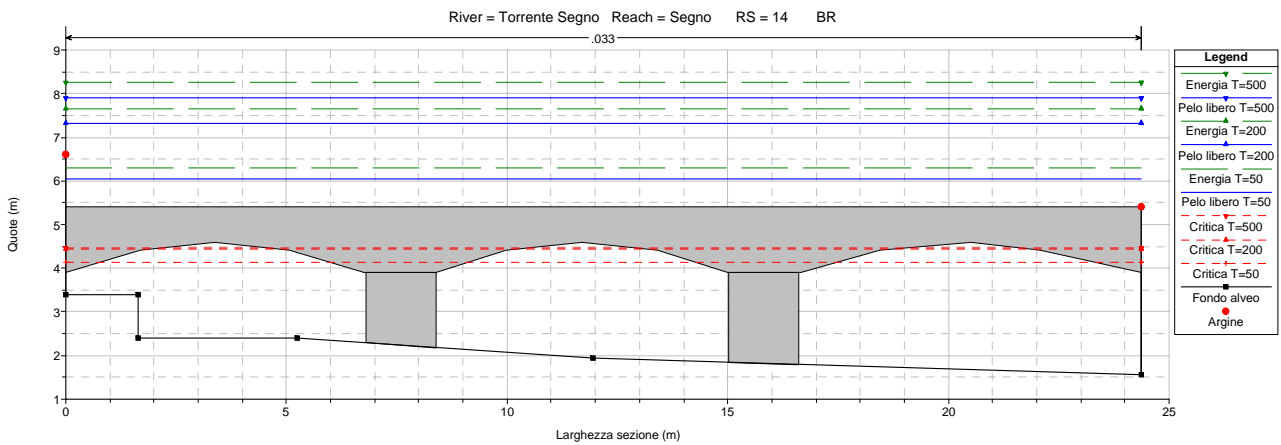
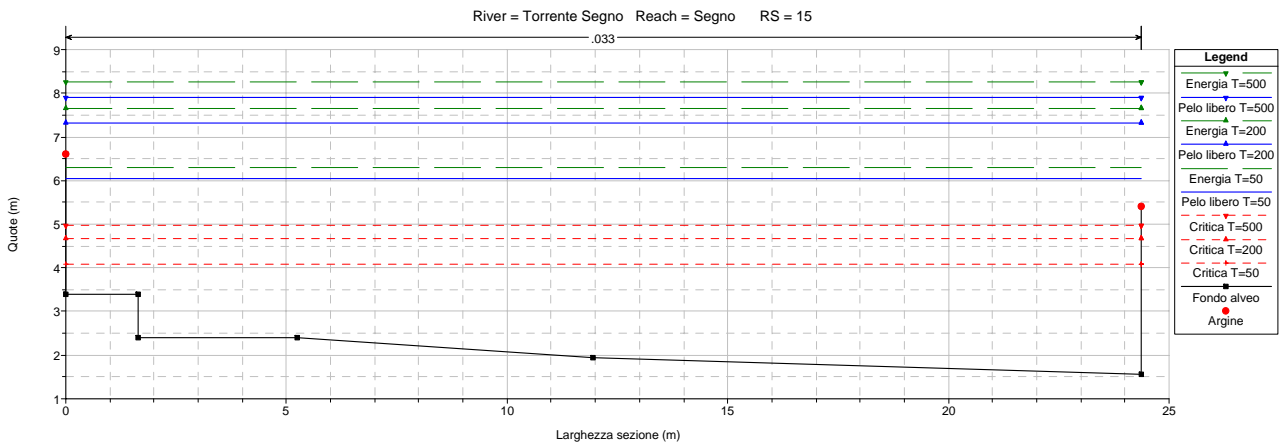
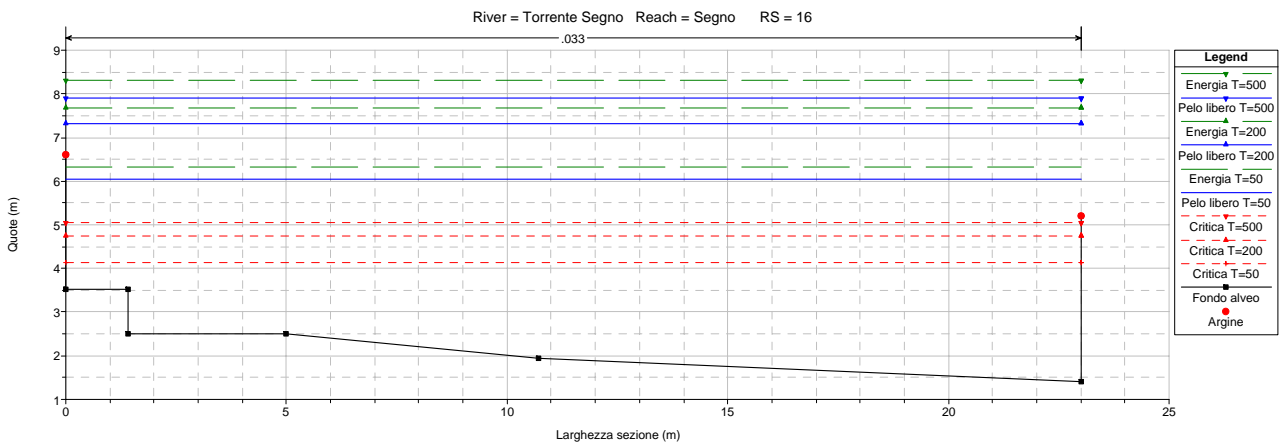
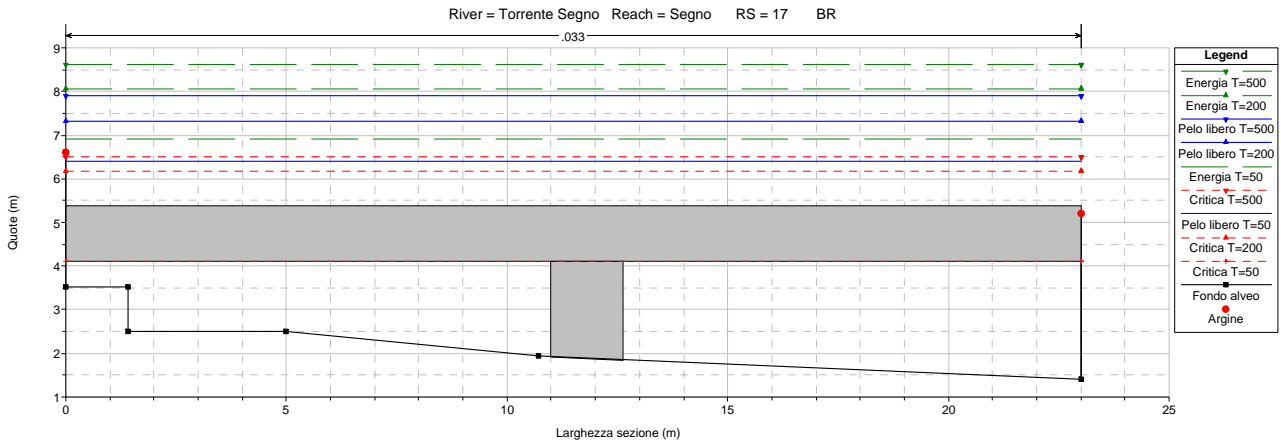




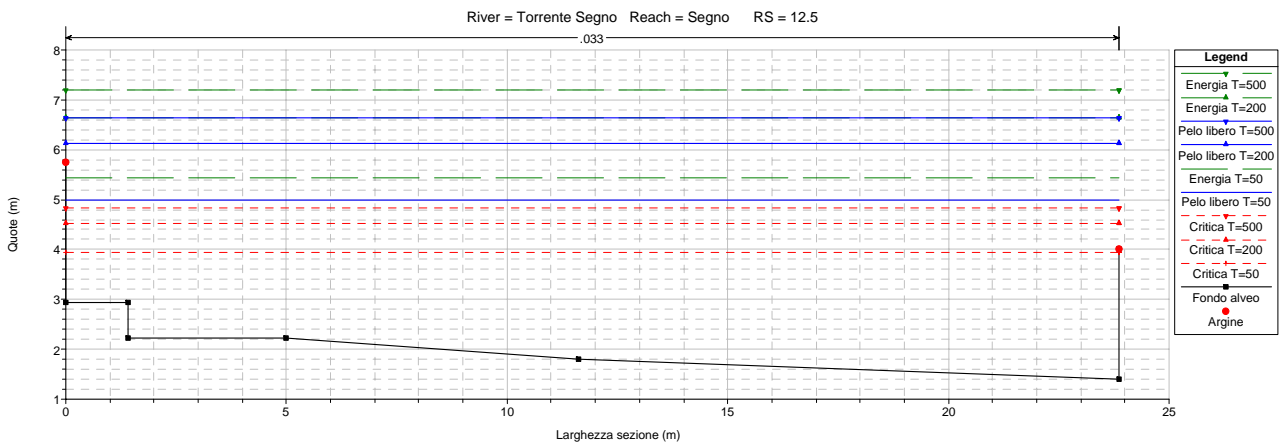
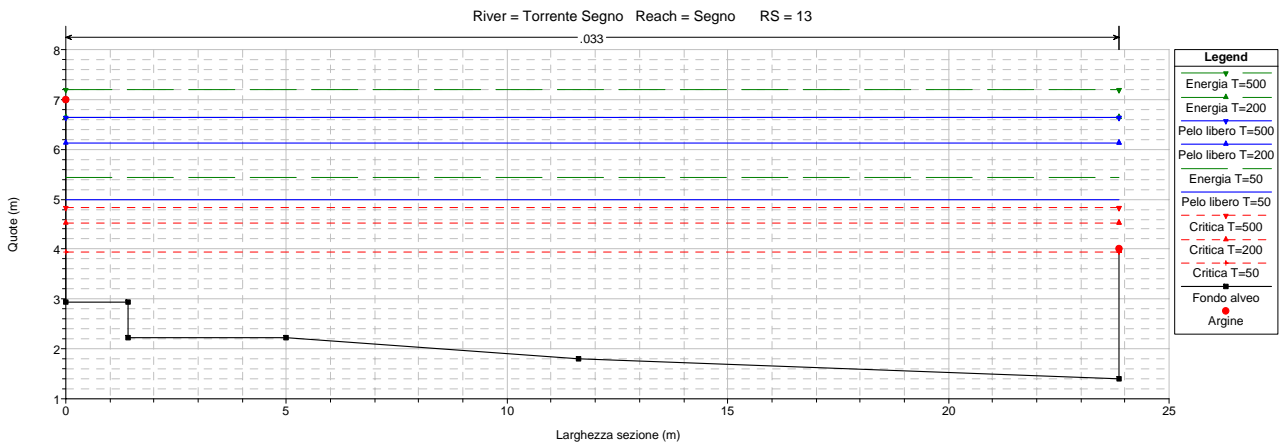
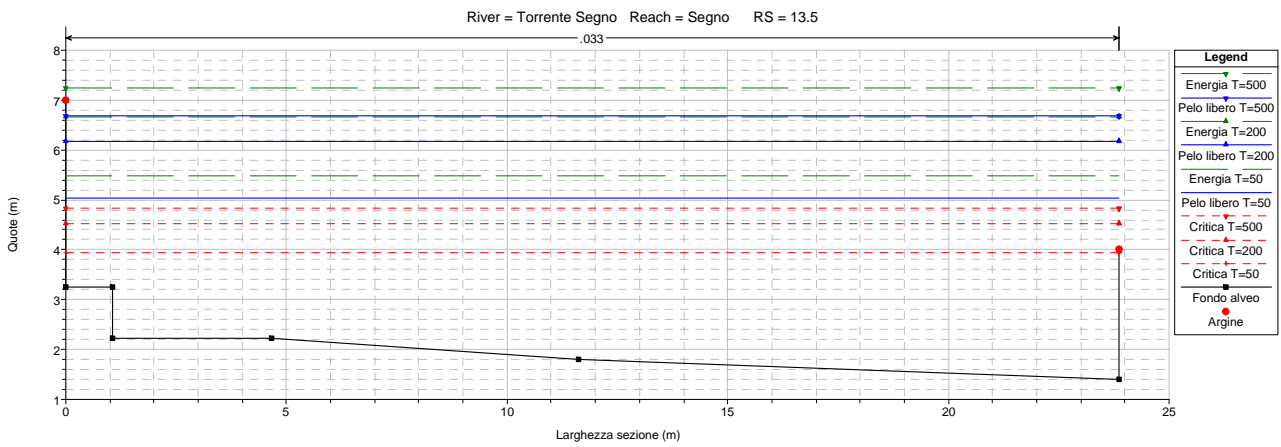
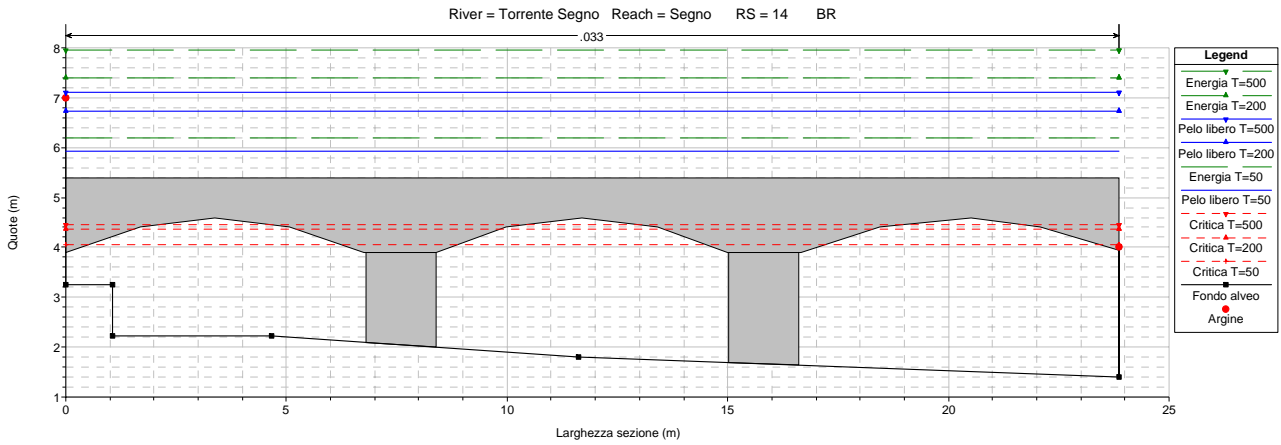


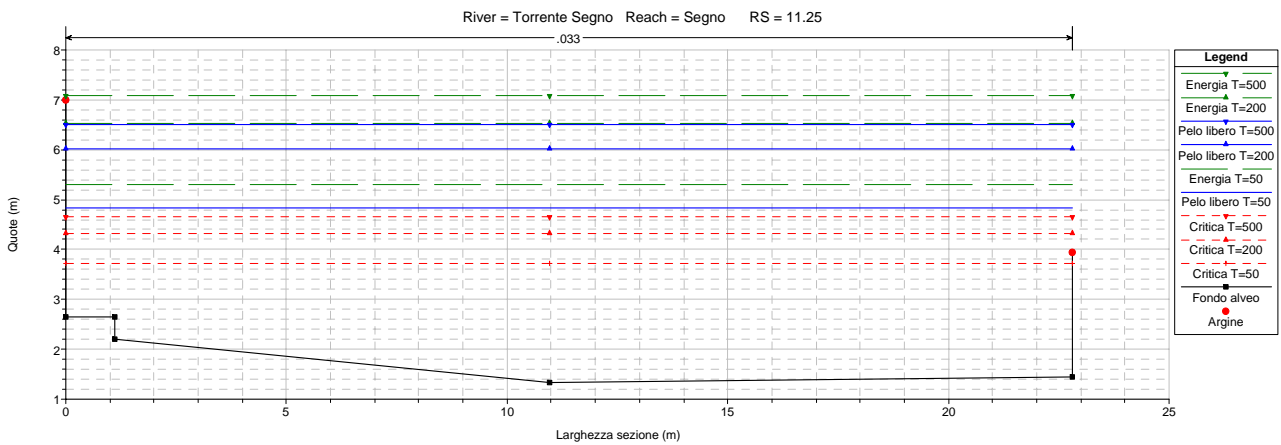
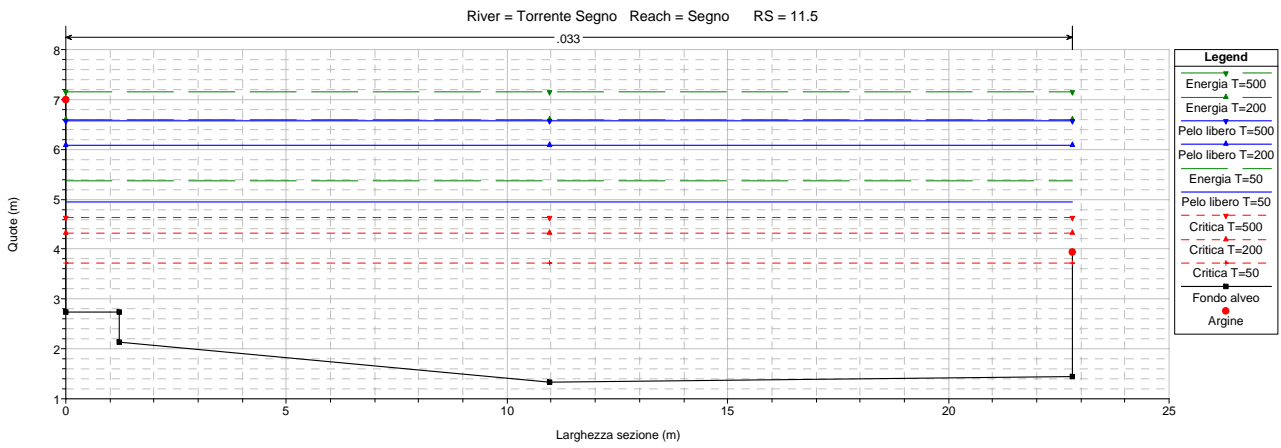
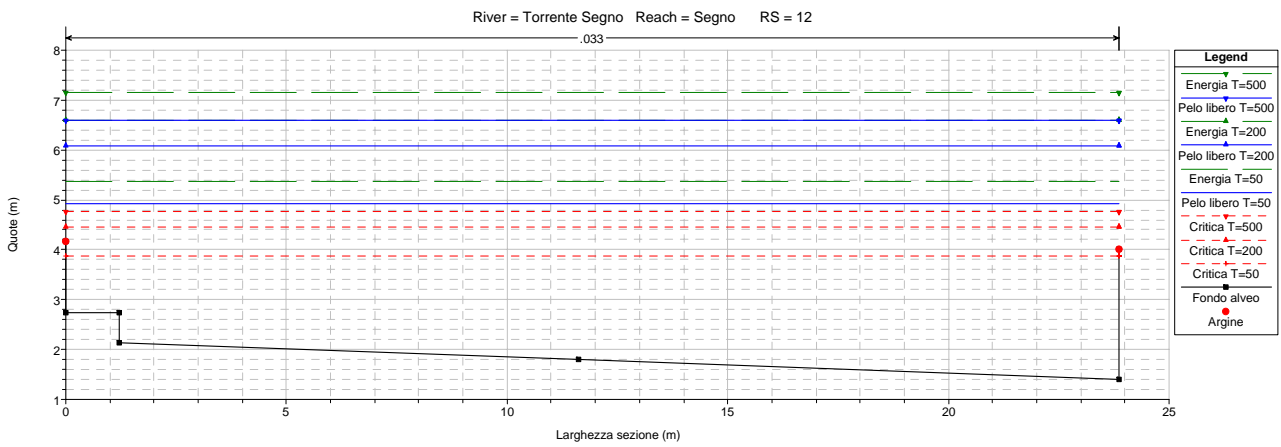
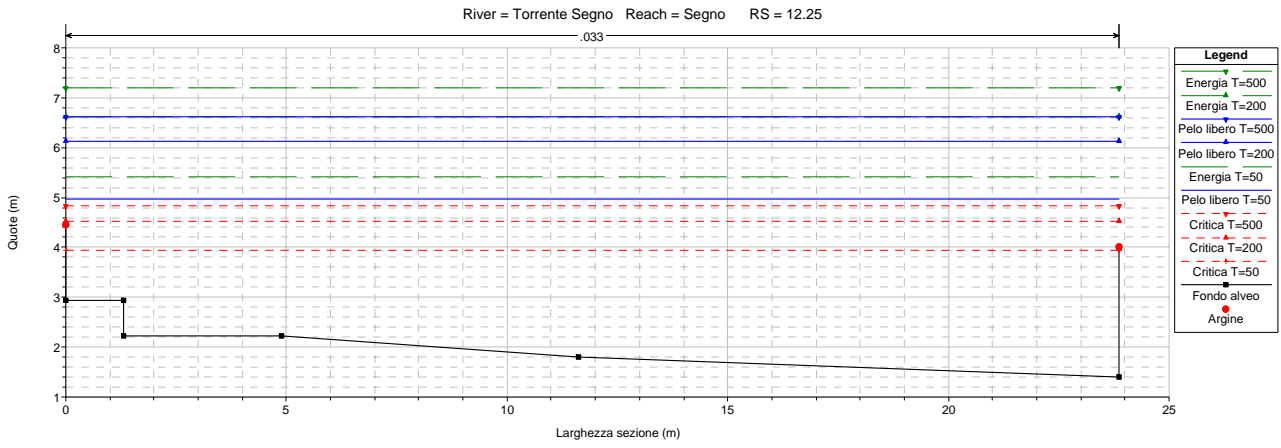


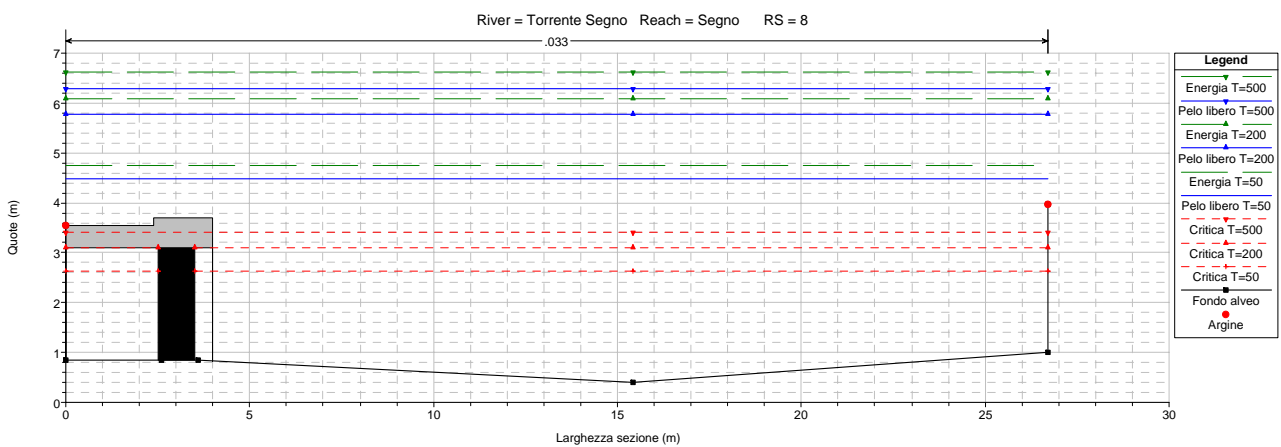
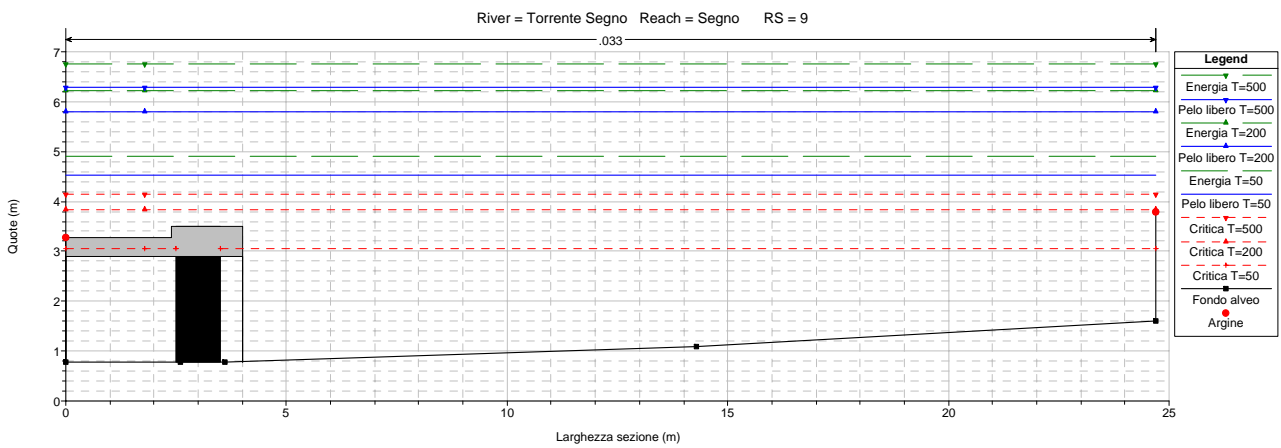
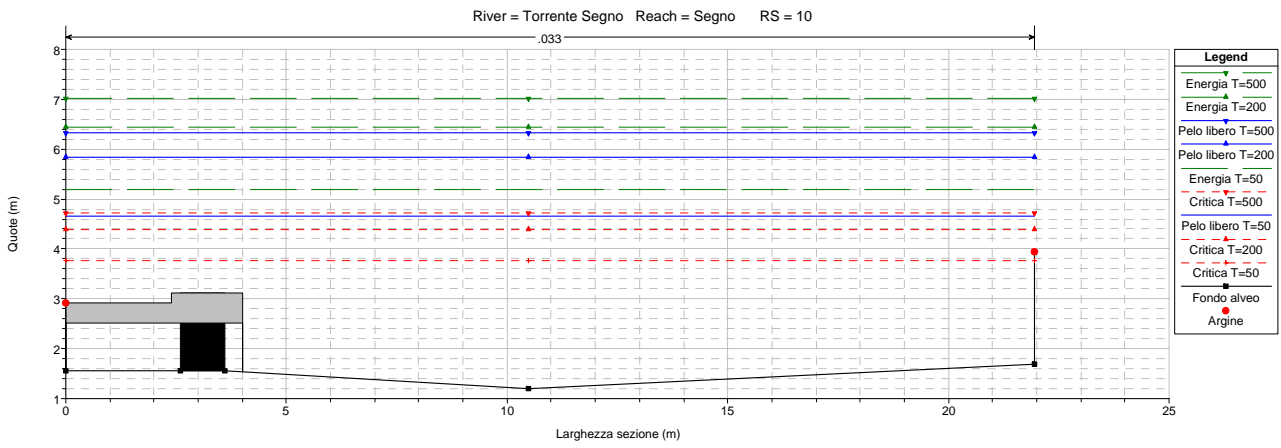
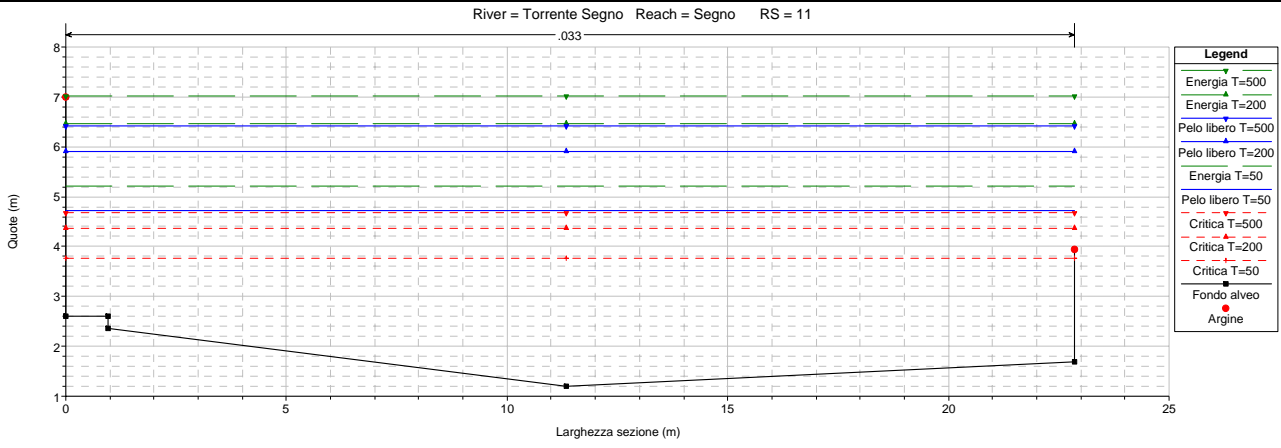


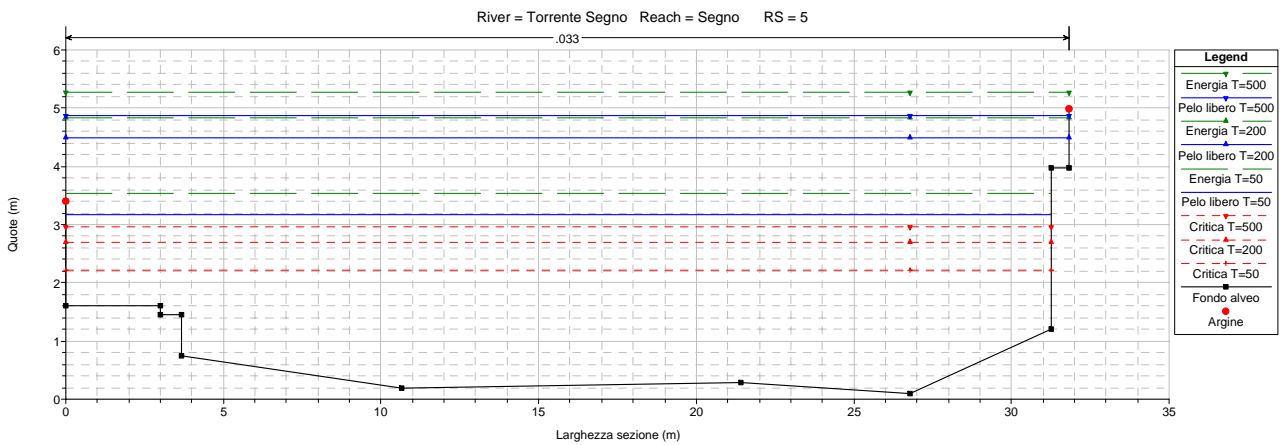
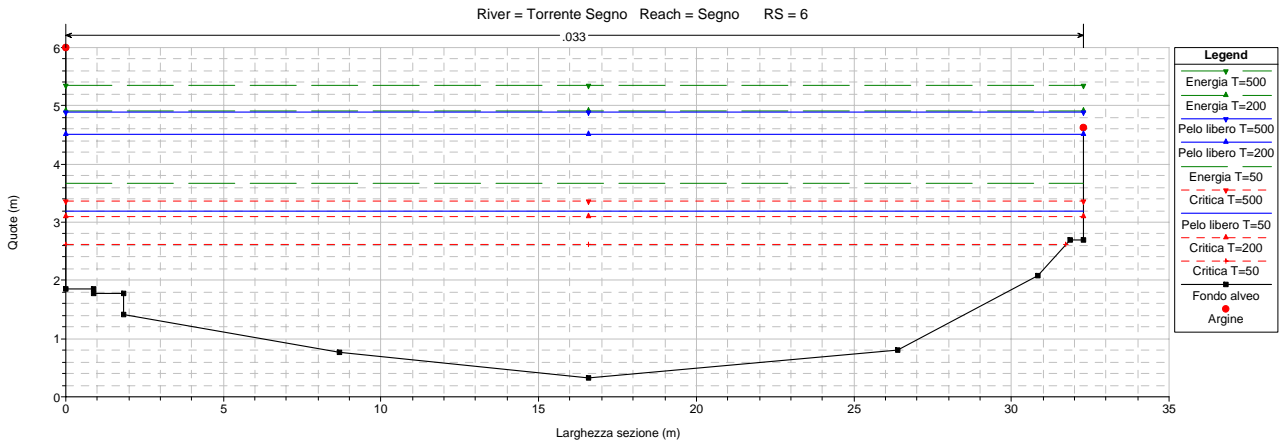
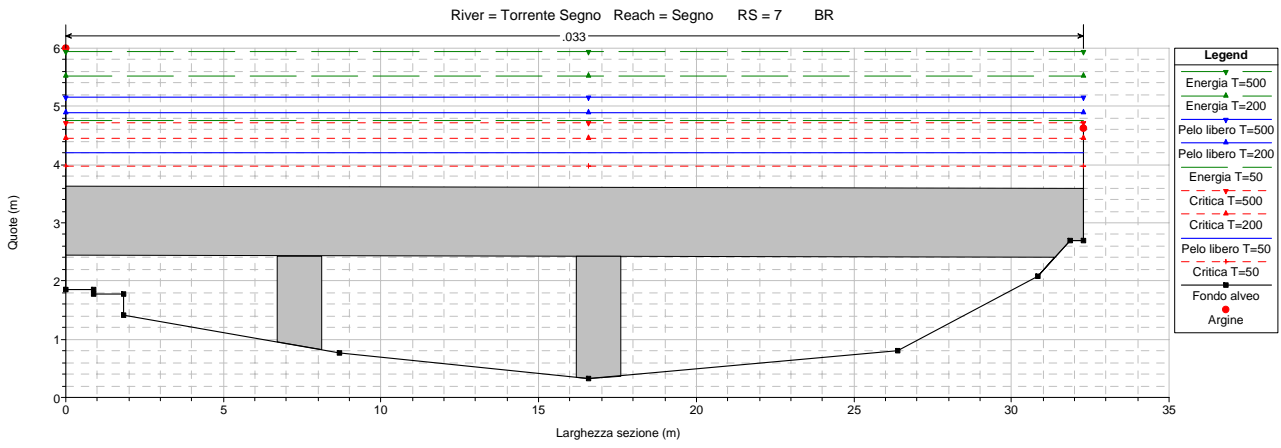
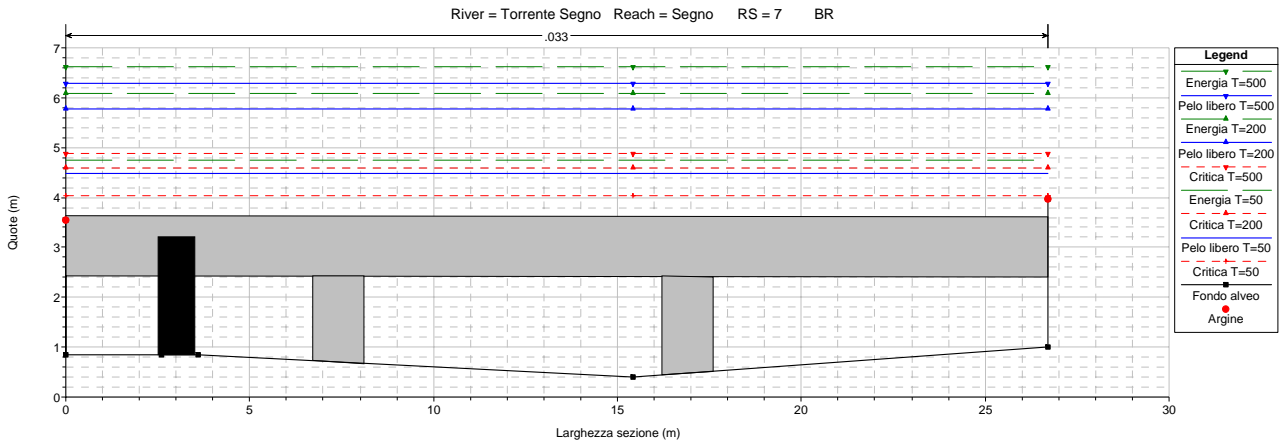


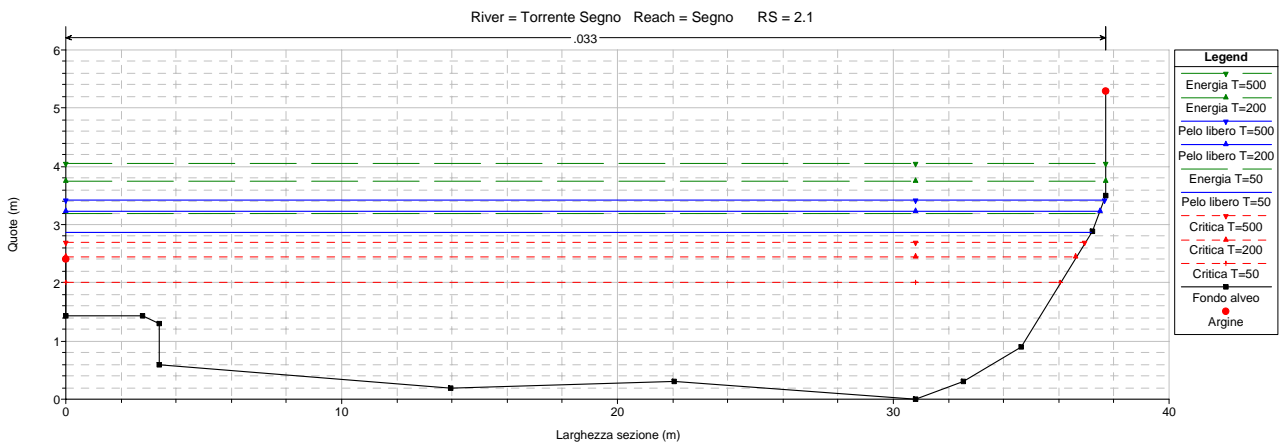
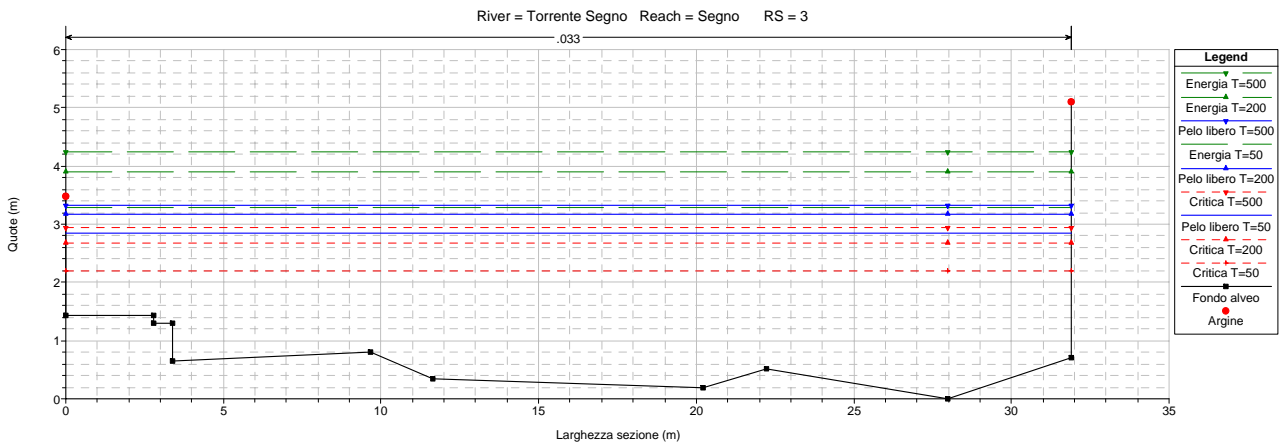
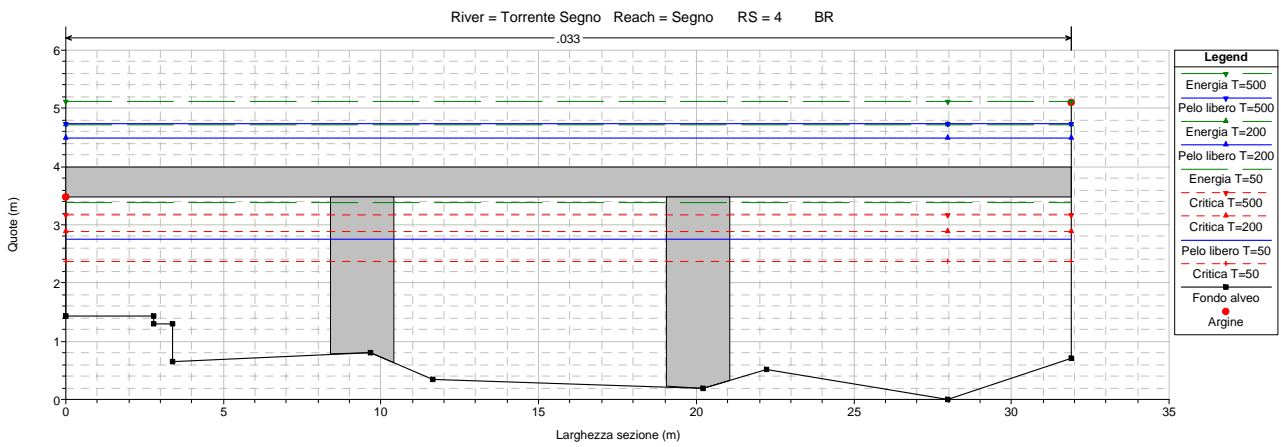
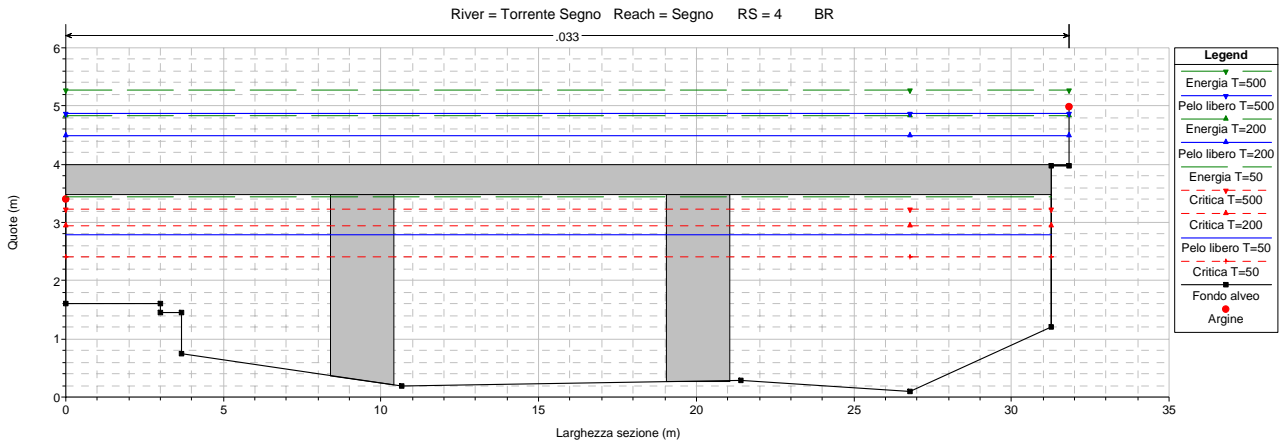


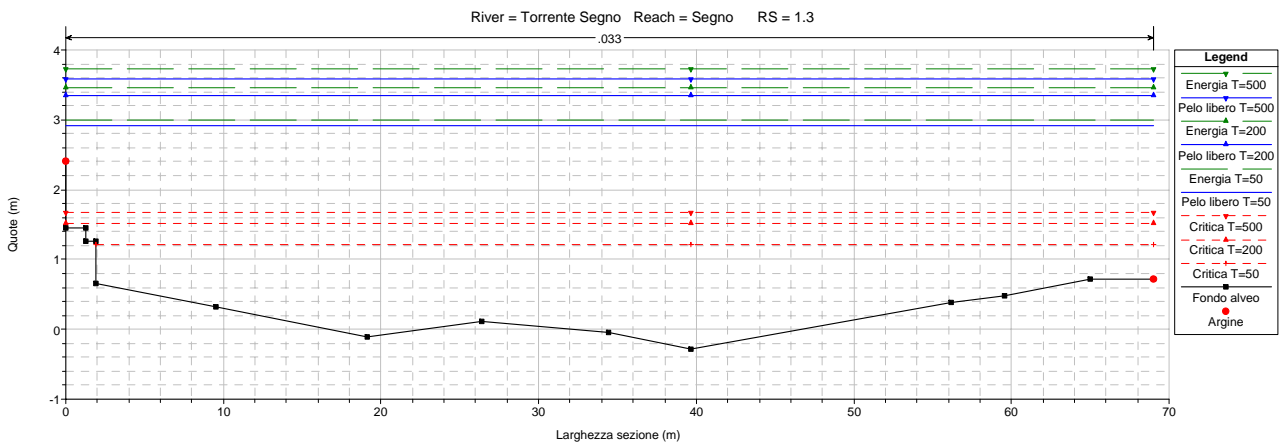
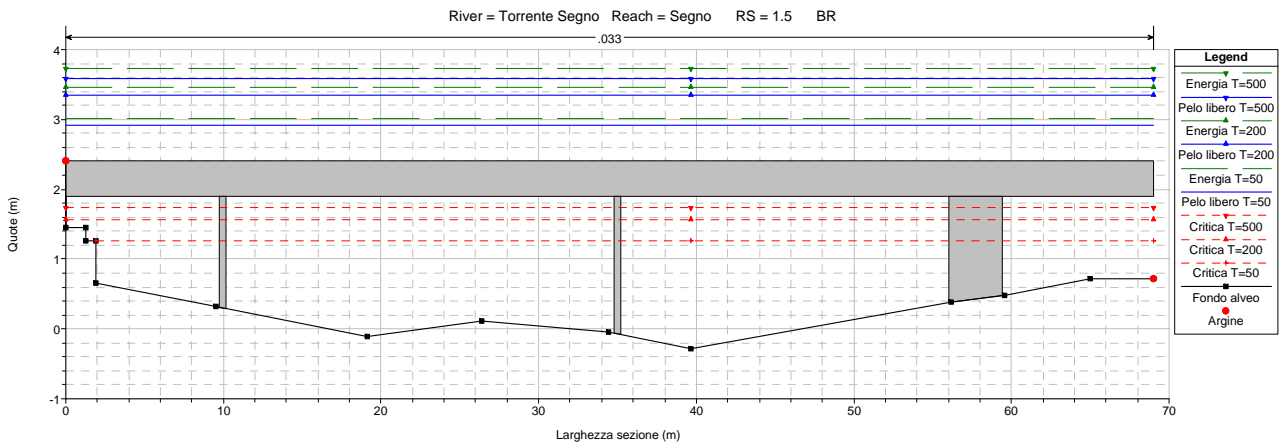
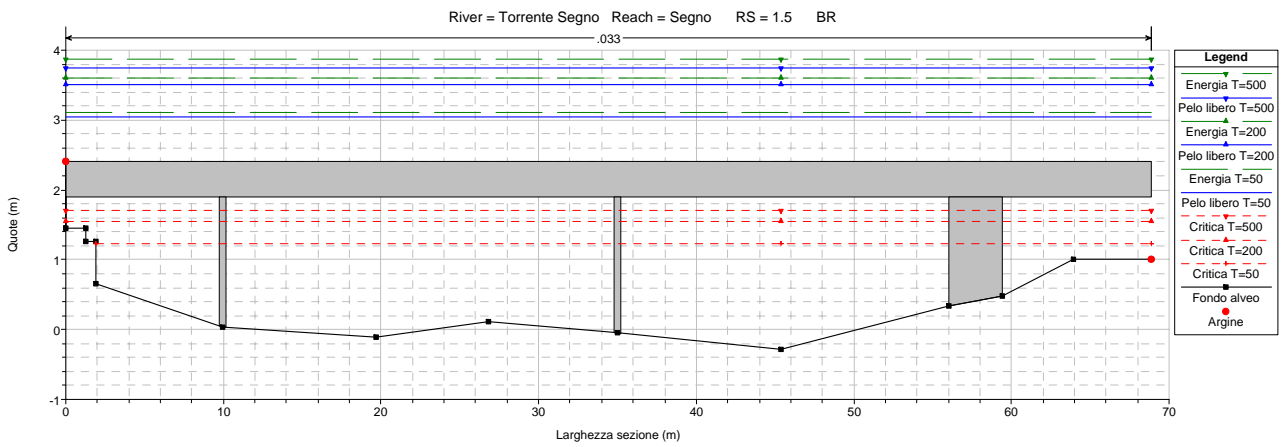
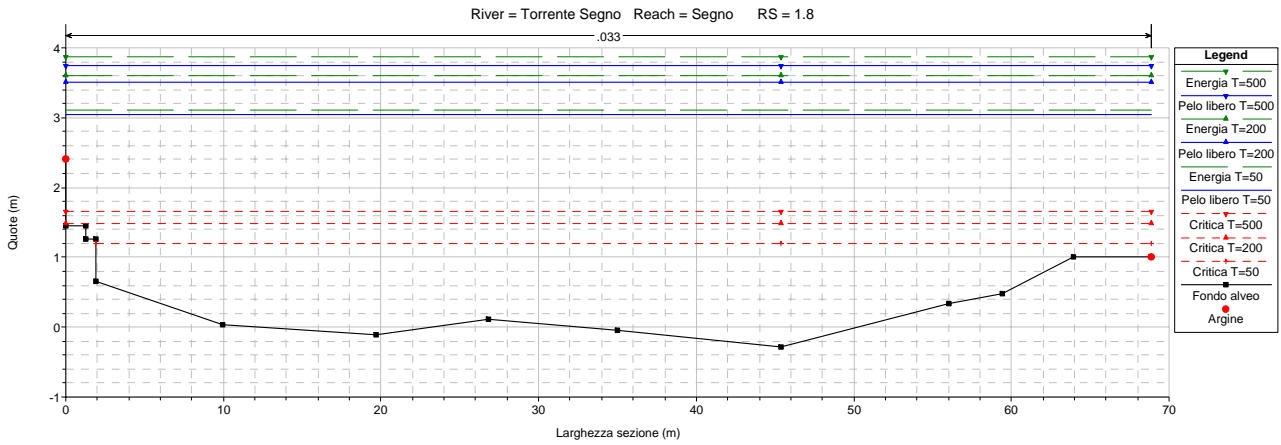


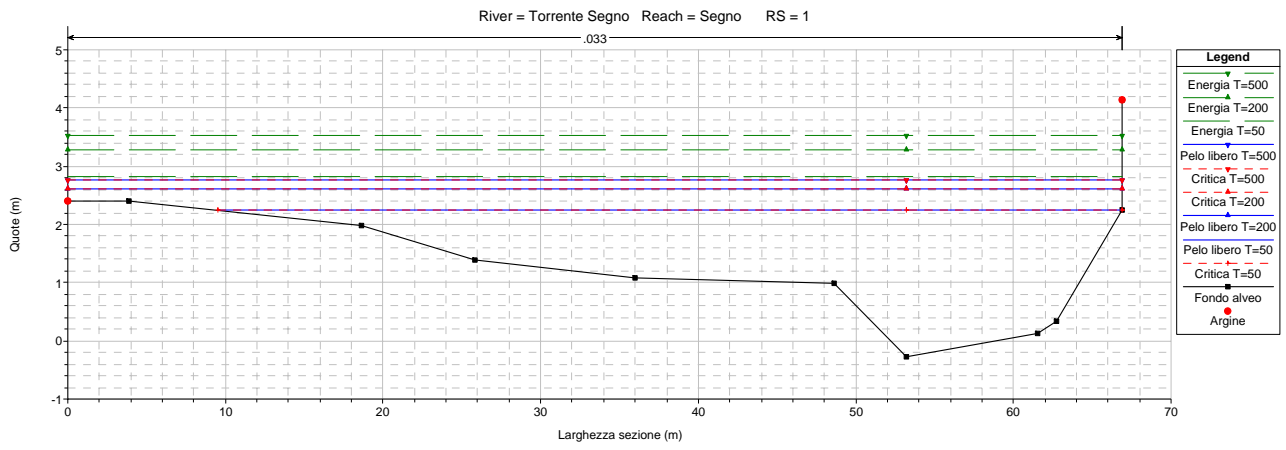








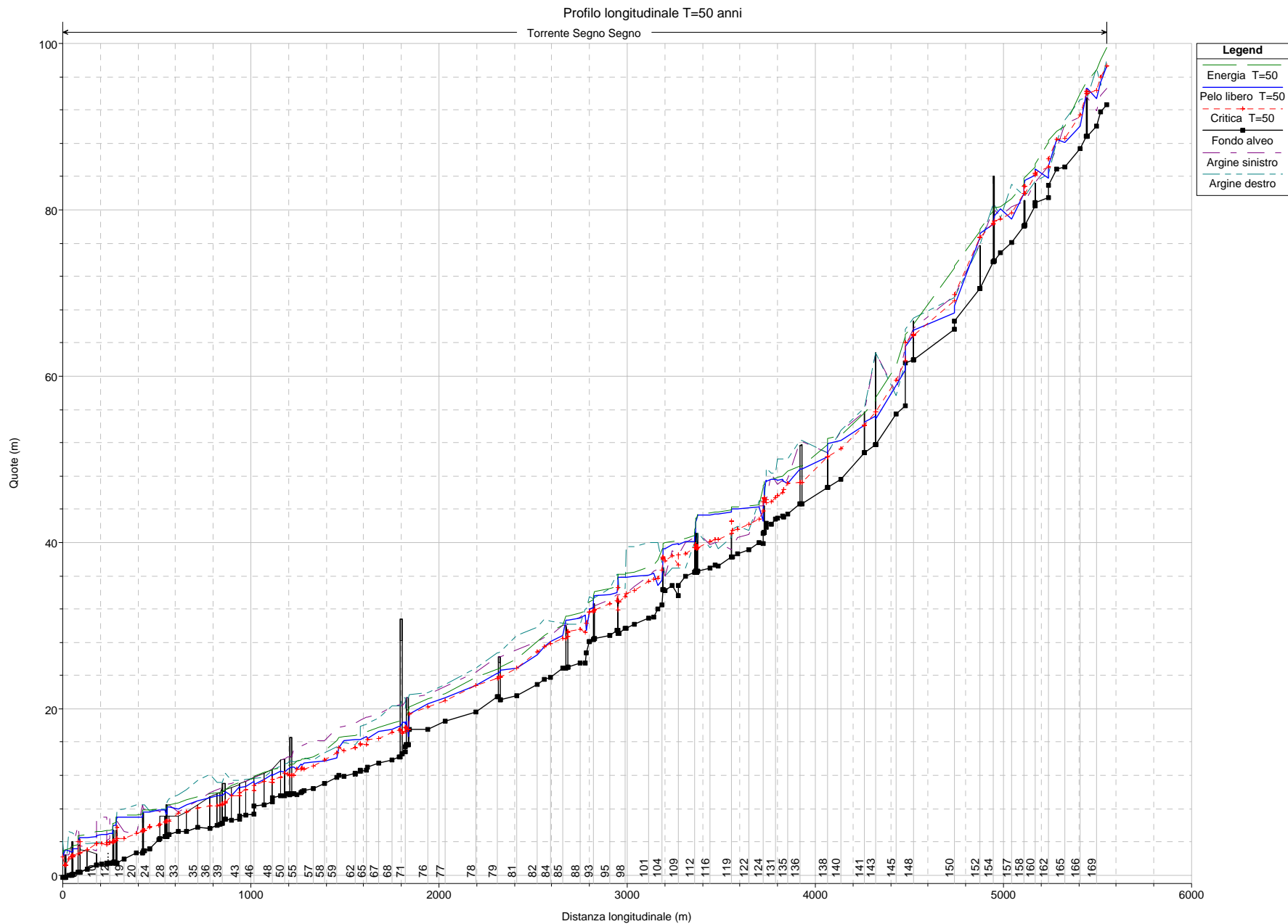


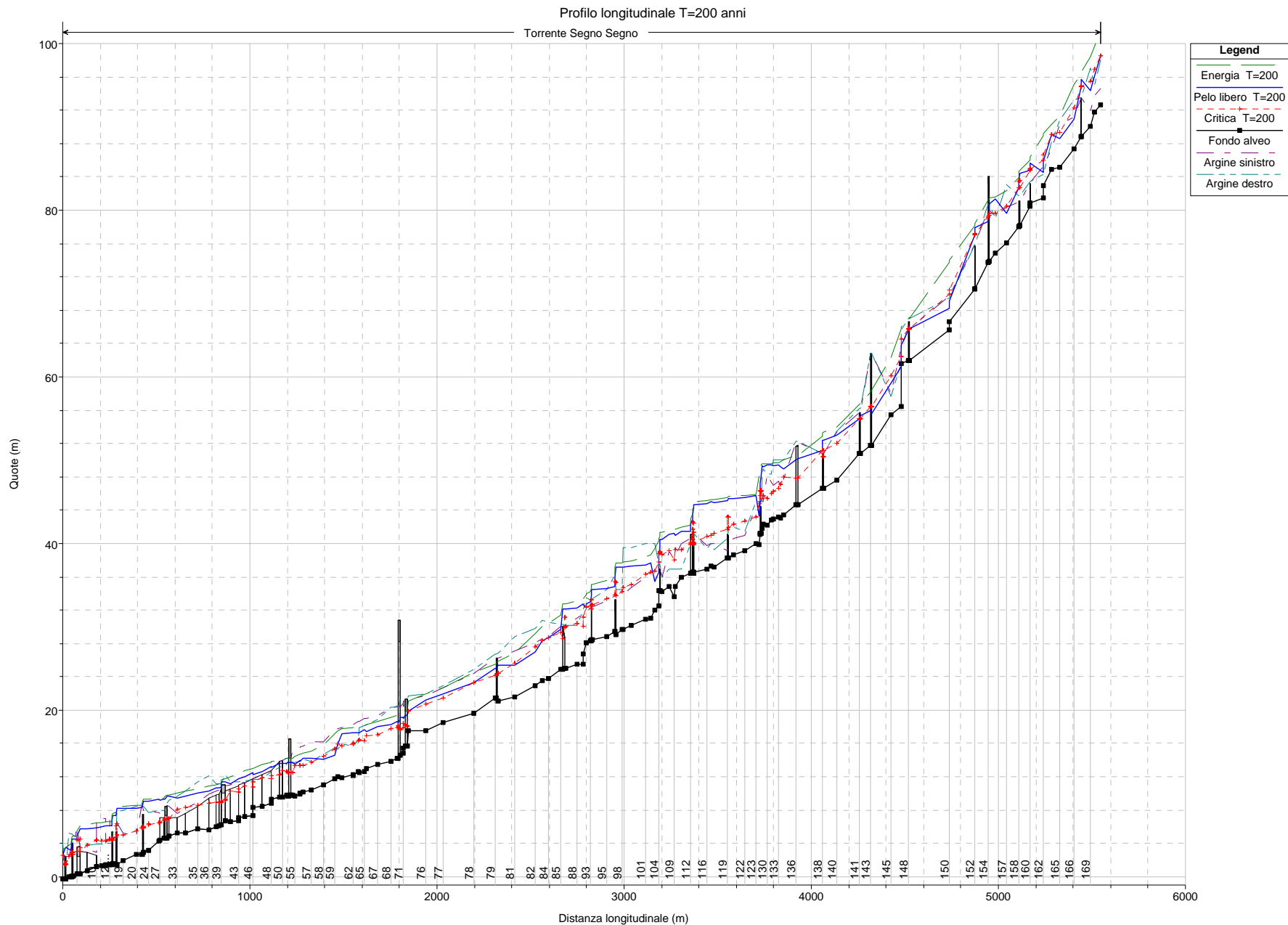


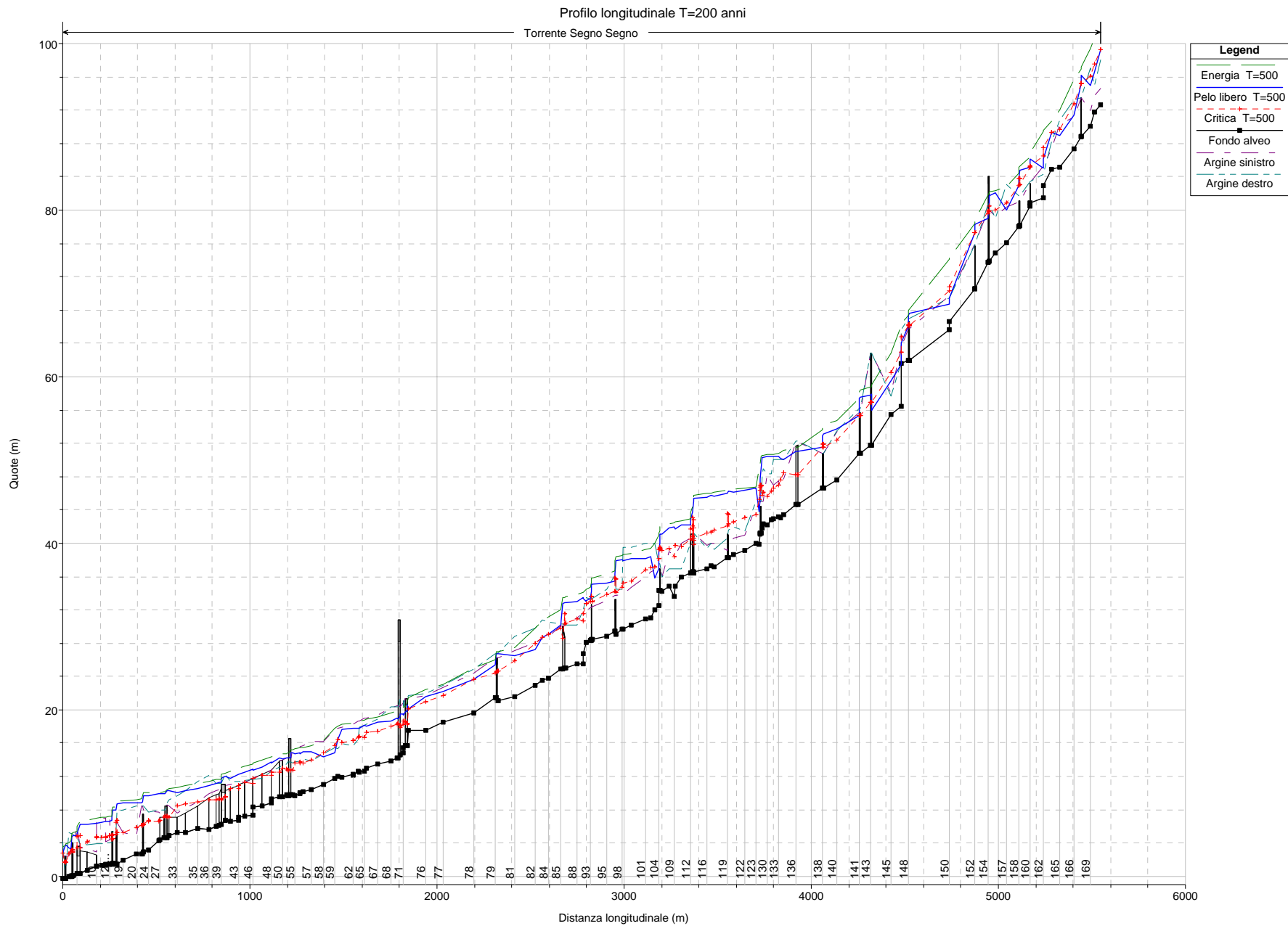
PROFILI DI RIGURGITO IN CONDIZIONI DI MOTO PERMANENTE PER LE PORTATE  
T=50, 200, 500 ANNI













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

Torrente Segno T=50 anni										
Sezioni	Portata totale (m <sup>3</sup> /s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m <sup>2</sup> )	Velocità (m/s)	Area bagnata (m <sup>2</sup> )	N° Froude
171	145	92,60	94,60	98,00	97,24	97,24	99,48	6,63	21,87	1,00
170	145	91,72	93,72	95,00	95,30	95,93	97,99	7,26	19,96	1,32
169	145	90,05	91,85	97,00	93,32	94,31	96,81	8,27	17,53	1,51
168	145	88,81	93,46	93,49	94,64	94,02	95,45	4,11	38,29	0,63
167,5	Bridge									
167	145	88,81	93,46	93,49	94,00	94,00	95,29	5,11	30,05	0,84
166	145	87,32	91,14	93,28	90,06	91,45	93,98	8,77	16,54	1,88
165	145	85,11	90,26	90,78	88,10	88,55	90,02	6,14	23,61	1,31
164	145	84,93	87,40	88,16	88,52	88,52	89,47	4,49	35,71	0,84
163	145	82,98	85,25	84,30	85,24	86,18	88,30	7,90	19,58	1,79
162	145	81,51	85,25	84,30	83,80	85,19	88,13	9,21	15,74	2,18
161	145	80,84	83,25	83,42	84,91	84,36	85,50	3,65	46,55	0,58
160,5	Bridge									
160	145	80,46	83,25	83,49	84,15	84,15	85,18	4,65	34,76	0,78
159	145	78,11	80,97	81,75	83,58	82,01	83,93	2,77	58,35	0,42
158,5	Bridge									
158	145	78,06	80,93	81,70	81,96	81,96	83,08	4,78	31,87	0,91
157	145	76,06	80,31	83,03	78,95	79,67	81,34	6,85	21,16	1,59
156	145	74,86	79,23	79,03	80,14	78,84	80,43	2,51	67,13	0,43
155	145	73,85	80,06	80,73	79,27	78,66	80,21	4,29	33,83	0,77
154,5	Bridge									
154	145	73,69	80,02	80,70	78,29	78,37	79,83	5,51	26,31	1,04
153	145	70,55	75,96	75,83	77,21	76,63	77,64	3,18	52,74	0,41
152,5	Bridge									
152	145	70,55	75,96	75,83	76,63	76,63	77,44	4,31	39,71	0,59
151	145	66,64	69,67	69,44	68,43	69,81	73,30	9,78	14,83	2,56
150	145	65,64	69,67	69,44	67,60	69,08	73,04	10,33	14,03	2,58
149	145	61,91	65,75	66,98	65,52	64,94	66,21	3,53	39,67	0,67
148,5	Bridge									
148	145	61,91	65,75	66,98	64,94	64,94	66,06	4,69	30,94	1,00
147	145	61,61	63,57	65,70	63,52	63,99	65,05	5,49	26,41	1,40
146	145	56,48	63,57	61,67	60,68	61,79	64,78	8,97	16,16	2,49
145	145	55,41	58,00	57,69	58,83	59,55	61,19	7,10	22,93	1,37
144	145	51,75	62,81	62,76	54,90	55,66	57,37	6,96	20,83	1,55
143,5	Bridge									
143	145	51,75	62,81	62,76	55,19	55,65	57,07	6,07	23,90	1,29
142	145	50,81	55,73	56,13	54,45	54,14	55,58	4,71	30,79	0,85
141,5	Bridge									
141	145	50,81	55,73	56,13	54,14	54,14	55,54	5,24	27,66	1,00
140	145	47,62	53,39	53,49	52,21	51,22	52,90	3,68	39,40	0,63
139	145	46,64	50,84	50,76	51,85	50,30	52,45	3,42	42,35	0,52
138,5	Bridge									
138	145	46,64	50,84	50,76	50,30	50,30	51,73	5,30	27,35	1,00
137	145	44,68	52,17	52,26	48,80	47,26	49,18	2,72	53,36	0,45
136,5	Bridge									
136	145	44,66	52,18	52,26	48,78	47,23	49,15	2,70	53,71	0,45
135	145	43,43	47,71	50,00	47,10	47,10	48,57	5,39	26,92	1,01
134	145	43,03	46,75	50,00	47,32	46,34	48,07	3,82	37,93	0,64
133	145	43,14	47,47	50,00	47,55	45,99	47,91	2,67	54,25	0,44
132	145	42,90	47,00	50,00	47,49	45,69	47,82	2,54	57,15	0,41
131	145	42,86	47,32	48,34	47,54	45,41	47,77	2,10	69,16	0,33
130	145	42,25	48,38	48,34	47,59	44,85	47,71	1,57	92,24	0,24

Torrente Segno T=50 anni										
129	145	42,33	45,00	49,00	47,40	45,16	47,67	2,28	63,47	0,35
128	145	41,88	45,00	48,00	47,43	44,76	47,65	2,09	69,30	0,30
127	145	41,18	45,00	45,00	46,45	45,22	47,53	4,61	31,49	0,66
126,5	Bridge									
126	145	41,23	45,00	45,00	45,21	45,21	47,01	5,94	24,39	1,00
125	145	41,14	45,00	45,00	44,17	44,89	46,85	7,26	19,98	1,41
124	145	39,92	44,42	45,00	42,56	43,79	46,63	8,94	16,22	1,88
123	145	40,00	44,42	45,00	44,34	42,79	44,52	1,90	76,49	0,35
122	145	39,15	40,93	41,41	44,14	42,18	44,40	2,28	63,47	0,36
121	145	38,59	40,55	41,94	44,03	41,63	44,29	2,25	64,33	0,34
120	145	38,30	39,48	41,57	44,03	41,40	44,23	1,98	73,33	0,29
119,5	Bridge									
119	145	38,24	39,11	40,64	43,63	41,05	43,88	2,21	65,54	0,32
118	145	37,18	39,96	39,30	43,40	40,41	43,72	2,51	57,82	0,33
117	145	37,23	39,98	40,00	43,48	40,37	43,65	1,85	78,42	0,26
116	145	36,89	39,77	39,34	43,34	40,08	43,61	2,29	63,36	0,30
115	145	36,59	41,22	41,25	43,25	39,41	43,47	2,09	69,34	0,26
114,5	Bridge									
114,1	145	36,49	40,00	40,00	42,82	39,27	42,99	1,82	79,48	0,24
114	145	36,49	40,00	40,00	42,82	39,26	42,99	1,82	79,48	0,24
113,5	Bridge									
113,1	145	36,58	40,00	40,00	41,25	39,71	41,77	3,20	45,26	0,50
113	145	36,58	40,00	40,00	41,25	39,72	41,77	3,20	45,26	0,50
112,5	Bridge									
112	145	36,42	40,55	40,00	40,16	39,42	40,87	3,72	38,98	0,68
111	145	35,94	40,00	36,96	40,14	38,64	40,53	2,76	52,62	0,46
110	220	34,89	38,56	36,97	39,70	38,50	40,33	3,51	62,77	0,58
109	220	33,61	38,56	36,97	39,90	37,27	40,23	2,55	86,12	0,36
108	220	34,86	39,00	36,88	39,71	38,37	40,13	2,88	76,36	0,50
107	220	34,25	36,00	36,00	39,27	37,76	39,95	3,65	60,29	0,55
106	220	34,32	37,00	37,50	39,20	38,05	39,90	3,72	59,11	0,60
105,5	Bridge									
105	220	34,32	37,00	37,50	38,02	38,02	39,42	5,25	41,93	1,00
104	220	32,49	37,00	37,50	35,41	36,74	39,10	8,51	25,84	1,59
103	220	32,04	36,79	40,00	34,79	35,75	37,91	7,83	28,11	1,70
102	220	31,07	36,50	40,00	36,29	35,55	37,26	4,36	50,47	0,74
101	220	30,85	35,95	40,00	36,03	35,30	37,03	4,41	49,85	0,77
100	220	30,22	34,67	39,50	35,94	34,17	36,44	3,16	69,73	0,49
99	220	29,68	33,88	39,50	35,77	33,89	36,29	3,19	69,02	0,47
98	220	29,63	33,88	34,50	35,86	33,43	36,22	2,64	83,44	0,38
97	220	29,09	33,75	34,50	35,80	32,89	36,14	2,60	84,55	0,35
96,5	Bridge									
96	220	29,48	33,75	36,16	33,96	33,00	34,75	3,93	55,92	0,65
95	220	28,79	33,06	34,50	33,78	32,59	34,47	3,68	59,76	0,59
94	220	28,48	32,32	33,34	33,67	31,90	34,08	2,86	76,94	0,44
93,5	Bridge									
93	220	28,35	32,29	33,30	32,18	31,77	33,14	4,33	50,79	0,82
92	220	28,03	31,91	33,50	31,95	31,61	32,91	4,34	50,65	0,84
91	220	28,03	31,91	33,50	31,61	31,61	32,86	4,95	44,41	1,00
90	220	26,74	31,61	32,00	29,38	30,35	32,34	7,62	28,89	1,71
89	220	25,56	31,61	32,00	31,29	29,17	31,72	2,89	76,19	0,45
88	220	25,45	31,00	30,15	30,87	29,61	31,56	3,69	59,57	0,58
87	220	25,00	30,25	30,15	30,62	29,27	31,21	3,41	64,48	0,54
86	220	25,00	30,22	30,15	30,64	29,14	31,19	3,30	66,64	0,52



Torrente Segno T=50 anni										
85,5	Bridge									
85	220	24,90	30,02	30,30	28,84	28,43	30,04	4,87	45,22	0,83
84	220	23,74	28,88	30,57	28,08	27,86	29,28	4,86	45,30	0,89
83	220	23,54	28,60	30,75	27,48	27,48	28,86	5,20	42,34	1,01
82	220	22,91	28,14	29,78	26,48	26,84	28,12	5,69	38,68	1,24
81	220	21,62	27,13	28,79	24,88	24,95	26,01	4,71	46,67	1,06
80	220	21,09	26,20	26,83	24,66	23,85	25,05	2,80	78,55	0,58
79,5	Bridge									
79	220	21,40	26,26	26,78	24,27	23,63	24,73	3,02	72,79	0,65
78	220	19,67	24,46	24,93	22,78	22,78	23,76	4,38	50,24	1,00
77	220	18,51	22,67	22,92	21,32	20,92	21,88	3,31	66,42	0,73
76	220	17,48	21,68	21,98	20,65	20,22	21,23	3,35	65,64	0,73
75	220	17,50	21,30	21,67	19,33	19,33	20,25	4,25	51,72	1,00
74	220	15,64	21,30	21,30	16,64	17,49	19,84	7,92	27,76	2,55
73,5	Bridge									
73	220	15,64	21,30	21,30	18,55	17,66	18,97	2,89	76,03	0,56
72	220	15,45	20,85	20,11	18,19	17,74	18,89	3,71	59,24	0,75
71	220	14,86	20,85	21,30	18,36	17,24	18,81	2,96	74,34	0,54
70	220	14,61	20,40	21,30	18,35	17,00	18,74	2,79	78,82	0,48
69,5	Bridge									
69	220	14,21	20,50	20,40	17,92	17,35	18,53	3,48	63,17	0,70
68	220	13,84	20,25	20,30	17,55	17,16	18,26	3,72	59,07	0,78
67	220	13,45	19,42	18,90	17,28	16,46	17,77	3,10	71,06	0,60
66	220	13,01	18,99	18,21	16,43	16,25	17,31	4,17	52,81	0,89
65	220	12,59	19,02	18,17	16,70	15,74	17,14	2,94	74,77	0,56
64	220	12,49	18,66	17,90	16,32	15,77	17,01	3,67	59,93	0,73
63	220	12,57	18,69	16,40	16,33	15,68	17,00	3,61	60,92	0,70
62,5	220	12,17	18,27	15,70	16,36	15,38	16,85	3,11	70,75	0,58
62	220	12,24	18,28	15,74	16,36	15,34	16,84	3,08	71,44	0,57
61	220	11,90	17,86	15,98	16,24	14,99	16,68	2,93	74,98	0,53
60	220	12,00	17,77	15,29	15,26	15,26	16,49	4,91	44,79	1,01
59	220	11,79	17,60	15,39	14,14	14,75	16,21	6,37	34,51	1,63
58	220	10,97	16,12	14,67	13,76	13,90	14,91	4,74	46,38	1,11
57	220	10,40	16,16	13,91	13,60	13,17	14,23	3,52	62,51	0,74
56	220	10,15	15,68	14,09	13,53	12,78	14,00	3,02	72,82	0,61
55,7	220	10,00	24,00	13,94	13,29	12,81	13,92	3,51	62,71	0,74
55,5	220	9,96	15,47	13,90	13,33	12,78	13,88	3,30	66,61	0,69
55	220	9,73	15,20	13,67	12,73	12,73	13,69	4,35	50,53	1,01
54	220	9,82	15,20	13,56	12,94	12,02	13,33	2,76	79,59	0,54
53	220	9,74	14,23	13,70	12,93	11,97	13,30	2,68	82,07	0,52
52,5	Bridge									
52	220	9,63	14,23	13,68	12,86	12,01	13,26	2,81	78,28	0,56
51	220	9,75	14,25	13,53	12,77	12,08	13,23	3,00	73,26	0,61
50	220	11,02	13,96	11,02	12,43	12,23	13,11	3,65	60,21	1,16
49	220	10,13	13,87	10,13	12,54	11,73	12,92	2,73	80,45	0,73
48,1	220	9,29	12,72	9,29	12,01	11,57	12,70	3,69	59,68	0,78
48	220	9,29	12,72	9,29	12,15	11,20	12,63	3,07	71,68	0,63
47	220	9,10	12,27	9,10	11,50	11,26	12,32	4,01	54,80	0,91
46,1	220	8,65	11,80	8,65	10,94	10,76	11,84	4,19	52,51	0,98
46	220	8,65	11,80	8,65	11,24	10,12	11,70	3,00	73,34	0,65
45	220	8,17	11,33	8,17	10,70	10,29	11,45	3,84	57,36	0,84
44	220	7,10	11,00	7,10	10,51	9,87	11,19	3,66	60,16	0,79
43	220	6,92	10,89	6,92	10,61	9,53	11,12	3,18	69,27	0,63
42	220	7,44	10,50	7,44	9,59	9,59	10,76	4,80	45,87	1,29

Torrente Segno T=50 anni										
41	220	6,98	10,35	6,98	10,04	8,73	10,34	2,43	90,63	0,53
40	Bridge									
39	220	6,93	10,50	6,93	9,66	8,45	9,98	2,51	87,57	0,53
38	220	6,81	9,87	6,81	9,60	8,46	9,95	2,61	84,31	0,57
37	220	6,56	9,79	6,56	9,53	8,35	9,90	2,69	81,72	0,57
36	220	6,44	9,40	6,44	9,33	8,27	9,76	2,92	75,46	0,65
35	220	6,11	8,50	6,11	8,94	8,08	9,46	3,20	68,81	0,67
34	220	5,25	7,65	5,28	8,49	7,65	9,03	3,26	67,55	0,62
33	220	5,25	7,10	5,25	7,99	7,42	8,67	3,67	59,89	0,75
32	220	4,98	7,05	4,98	8,25	6,53	8,40	1,72	128,04	0,31
30	220	4,63	7,05	4,63	8,24	6,44	8,39	1,69	129,80	0,28
29	Bridge									
28	220	4,60	7,05	4,61	7,81	6,41	8,00	1,92	114,52	0,34
27	220	4,61	7,05	4,61	7,79	6,12	7,94	1,72	127,75	0,33
26	220	4,30	7,70	7,94	7,80	6,04	7,93	1,64	134,44	0,29
25	220	3,20	7,85	7,75	7,63	5,76	7,87	2,19	100,57	0,36
24	220	3,20	7,85	7,75	7,59	5,84	7,87	2,34	94,14	0,39
23	220	2,90	7,90	8,50	7,59	5,34	7,82	2,15	102,18	0,33
22	Bridge									
21	220	2,70	8,45	8,40	7,02	5,22	7,31	2,35	93,67	0,39
20	220	2,65	4,90	8,40	7,00	4,96	7,25	2,19	100,31	0,35
19	220	1,90	5,20	8,00	6,98	4,42	7,17	1,94	113,45	0,29
18	220	1,40	6,50	7,80	6,92	4,36	7,13	2,06	107,02	0,30
17	Bridge									
16	220	1,40	6,60	5,20	6,04	4,14	6,33	2,39	92,04	0,38
15	220	1,55	6,60	5,40	6,04	4,09	6,30	2,27	96,84	0,36
14	Bridge									
13,5	220	1,40	7,00	4,00	5,04	3,94	5,47	2,93	75,19	0,53
13	220	1,40	7,00	4,00	4,98	3,94	5,43	2,98	73,88	0,54
12,5	220	1,40	5,75	4,00	4,98	3,94	5,43	2,98	73,86	0,54
12,25	220	1,40	4,45	4,00	4,97	3,93	5,42	2,98	73,71	0,54
12	220	1,40	4,16	4,00	4,92	3,87	5,37	2,97	74,14	0,54
11,5	220	1,33	7,00	3,95	4,94	3,72	5,37	2,90	75,97	0,51
11,25	220	1,33	7,00	3,95	4,84	3,73	5,30	2,99	73,65	0,53
11	220	1,20	7,00	3,94	4,72	3,76	5,22	3,13	70,27	0,57
10	220	1,53	2,52	1,53	4,65	3,77	5,20	3,29	66,87	0,60
9	220	0,77	2,89	0,78	4,53	3,06	4,91	2,73	80,56	0,45
8	220	0,83	3,10	0,83	4,49	2,63	4,75	2,26	97,16	0,38
7	Bridge									
6	220	0,32	6,00	4,62	3,20	2,61	3,66	3,03	72,72	0,64
5	220	0,10	3,40	4,98	3,18	2,21	3,53	2,63	83,78	0,51
4	Bridge									
3	220	0,00	3,47	5,11	2,84	2,20	3,29	2,96	74,23	0,62
2,1	220	0,00	2,40	5,30	2,88	2,00	3,19	2,49	88,20	0,52
1,8	220	-0,28	2,40	1,00	3,04	1,19	3,10	1,12	195,61	0,21
1,5	Bridge									
1,3	220	-0,28	2,40	0,72	2,92	1,21	2,99	1,18	186,28	0,23
1	220	-0,28	2,41	4,14	2,25	2,25	2,83	3,37	65,31	1,01

Torrente Segno T=200 anni										
Sezioni	Portata totale (m <sup>3</sup> /s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m <sup>2</sup> )	Velocità (m/s)	Area bagnata (m <sup>2</sup> )	N° Froude
171	210,00	92,60	94,60	98,00	98,51	98,51	101,34	7,44	28,21	1,00
170	210,00	91,72	93,72	95,00	96,11	96,97	99,64	8,32	25,24	1,35
169	210,00	90,05	91,85	97,00	94,35	95,46	98,42	8,95	23,47	1,44
168	210,00	88,81	93,46	93,49	95,70	94,79	96,61	4,44	52,35	0,61
167,5	Bridge									
167	210,00	88,81	93,46	93,49	94,79	94,79	96,32	5,70	40,19	0,86
166	210,00	87,32	91,14	93,28	90,96	92,32	95,10	9,01	23,31	1,65
165	210,00	85,11	90,26	90,78	88,61	89,31	91,27	7,23	29,05	1,41
164	210,00	84,93	87,40	88,16	89,07	89,07	90,25	5,08	46,27	0,87
163	210,00	82,98	85,25	84,30	85,83	86,61	89,14	8,37	27,69	1,67
162	210,00	81,51	85,25	84,30	84,58	86,01	88,99	9,31	22,61	1,86
161	210,00	80,84	83,25	83,42	85,68	84,94	86,38	4,09	61,70	0,60
160,5	Bridge									
160	210,00	80,46	83,25	83,49	84,80	84,80	85,99	5,16	47,08	0,80
159	210,00	78,11	80,97	81,75	84,35	82,69	84,84	3,28	73,88	0,46
158,5	Bridge									
158	210,00	78,06	80,93	81,70	82,64	82,64	83,97	5,30	42,80	0,91
157	210,00	76,06	80,31	83,03	79,58	80,46	82,34	7,37	28,50	1,53
156	210,00	74,86	79,23	79,03	81,37	79,68	81,59	2,28	110,69	0,33
155	210,00	73,85	80,06	80,73	80,78	79,57	81,46	3,73	60,39	0,64
154,5	Bridge									
154	210,00	73,69	80,02	80,70	78,69	79,31	81,16	6,97	30,13	1,27
153	210,00	70,55	75,96	75,83	77,89	77,10	78,41	3,46	68,40	0,43
152,5	Bridge									
152	210,00	70,55	75,96	75,83	77,11	77,11	78,10	4,86	50,36	0,64
151	210,00	66,64	69,67	69,44	69,06	70,48	73,93	9,78	21,48	2,23
150	210	65,64	69,67	69,44	68,27	69,93	73,72	10,34	20,31	2,29
149	210	61,91	65,75	66,98	65,70	65,70	66,97	5,01	43,09	0,93
148,5	Bridge									
148	210	61,91	65,75	66,98	65,70	65,70	66,97	5,01	43,00	0,93
147	210	61,61	63,57	65,70	63,86	64,50	65,96	6,46	33,23	1,52
146	210	56,48	63,57	61,67	61,17	62,51	65,70	9,43	22,27	2,25
145	210	55,41	58,00	57,69	59,28	60,15	62,27	8,17	29,36	1,46
144	210	51,75	62,81	62,76	55,58	56,43	58,41	7,45	28,17	1,51
143,5	Bridge									
143	210	51,75	62,81	62,76	55,89	56,43	58,12	6,61	31,76	1,29
142	210	50,81	55,73	56,13	55,30	54,92	56,76	5,36	39,17	0,86
141,5	Bridge									
141	210	50,81	55,73	56,13	54,92	54,92	56,71	5,93	35,44	1,00
140	210	47,62	53,39	53,49	53,03	52,00	53,96	4,28	49,08	0,68
139	210	46,64	50,84	50,76	52,40	51,10	53,39	4,40	47,68	0,63
138,5	Bridge									
138	210	46,64	50,84	50,76	51,10	51,10	52,92	5,98	35,14	1,00
137	210	44,68	52,17	52,26	50,13	47,87	50,56	2,90	72,31	0,41
136,5	Bridge									
136	210	44,66	52,18	52,26	50,11	47,84	50,53	2,88	72,85	0,41
135	210	43,43	47,71	50,00	49,00	47,94	50,11	4,67	44,95	0,69
134	210	43,03	46,75	50,00	49,17	47,12	49,85	3,65	57,52	0,51
133	210	43,14	47,47	50,00	49,38	46,60	49,72	2,58	81,51	0,35
132	210	42,90	47,00	50,00	49,34	46,30	49,66	2,49	84,39	0,33
131	210	42,86	47,32	48,34	49,39	45,95	49,61	2,09	100,47	0,27
130	210	42,25	48,38	48,34	49,44	45,37	49,57	1,59	131,76	0,20

Torrente Segno T=200 anni										
129	210	42,33	45,00	49,00	49,25	45,77	49,53	2,33	90,00	0,30
128	210	41,88	45,00	48,00	49,27	45,39	49,52	2,19	95,73	0,27
127	210	41,18	45,00	45,00	48,09	46,28	49,38	5,03	41,76	0,62
126,5	Bridge									
126	210	41,23	45,00	45,00	46,22	46,22	48,52	6,73	31,22	1,00
125	210	41,14	45,00	45,00	44,92	45,82	48,33	8,18	25,66	1,43
124	210	39,92	44,42	45,00	43,32	44,78	48,11	9,69	21,66	1,79
123	210	40,00	44,42	45,00	45,73	43,23	45,91	1,88	111,93	0,29
122	210	39,15	40,93	41,41	45,50	42,75	45,81	2,47	85,09	0,34
121	210	38,59	40,55	41,94	45,37	42,28	45,70	2,53	83,17	0,33
120	210	38,30	39,48	41,57	45,38	42,01	45,63	2,22	94,76	0,29
119,5	Bridge									
119	210	38,24	39,11	40,64	45,17	41,69	45,48	2,43	86,33	0,31
118	210	37,18	39,96	39,30	44,87	41,19	45,30	2,89	72,57	0,34
117	210	37,23	39,98	40,00	44,99	40,96	45,21	2,08	101,06	0,26
116	210	36,89	39,77	39,34	44,79	40,82	45,15	2,66	78,94	0,31
115	210	36,59	41,22	41,25	44,67	40,17	44,99	2,48	84,70	0,28
114,5	Bridge									
114,1	210	36,49	40,00	40,00	44,25	39,96	44,48	2,11	99,51	0,25
114	210	36,49	40,00	40,00	44,25	39,96	44,48	2,11	99,51	0,25
113,5	Bridge									
113,1	210	36,58	40,00	40,00	42,95	40,47	43,50	3,29	63,90	0,44
113	210	36,58	40,00	40,00	42,95	40,47	43,50	3,29	63,90	0,44
112,5	Bridge									
112	210	36,42	40,55	40,00	41,47	40,13	42,19	3,75	56,04	0,58
111	210	35,94	40,00	36,96	41,47	39,25	41,90	2,92	72,00	0,42
110	320	34,89	38,56	36,97	40,98	39,27	41,72	3,81	84,07	0,54
109	320	33,61	38,56	36,97	41,17	38,02	41,62	2,98	107,33	0,38
108	320	34,86	39,00	36,88	41,09	39,08	41,54	2,97	107,90	0,44
107	320	34,25	36,00	36,00	40,44	38,62	41,35	4,22	75,82	0,56
106	320	34,32	37,00	37,50	40,42	38,84	41,29	4,13	77,53	0,58
105,5	Bridge									
105	320	34,32	37,00	37,50	38,82	38,82	40,61	5,94	53,90	1,00
104	320	32,49	37,00	37,50	36,52	37,74	40,32	8,64	37,04	1,57
103	320	32,04	36,79	40,00	35,41	36,65	39,34	8,78	36,43	1,73
102	320	31,07	36,50	40,00	37,64	36,59	38,64	4,44	72,09	0,68
101	320	30,85	35,95	40,00	37,39	36,30	38,44	4,55	70,29	0,68
100	320	30,22	34,67	39,50	37,31	35,04	37,92	3,47	92,34	0,47
99	320	29,68	33,88	39,50	37,11	34,73	37,76	3,58	89,30	0,47
98	320	29,63	33,88	34,50	37,22	34,25	37,68	3,00	106,60	0,38
97	320	29,09	33,75	34,50	37,11	33,68	37,60	3,08	103,95	0,37
96,5	Bridge									
96	320	29,48	33,75	36,16	34,81	33,79	35,93	4,67	68,46	0,69
95	320	28,79	33,06	34,50	34,57	33,37	35,58	4,47	71,57	0,65
94	320	28,48	32,32	33,34	34,45	32,59	35,08	3,51	91,16	0,50
93,5	Bridge									
93	320	28,35	32,29	33,30	32,97	32,55	34,19	4,91	65,21	0,85
92	320	28,03	31,91	33,50	32,80	32,42	33,94	4,74	67,48	0,84
91	320	28,03	31,91	33,50	32,42	32,42	33,89	5,36	59,70	1,00
90	320	26,74	31,61	32,00	32,58	31,10	33,33	3,84	83,41	0,57
89	320	25,56	31,61	32,00	32,75	30,02	33,25	3,14	102,01	0,42
88	320	25,45	31,00	30,15	32,28	30,42	33,10	4,00	80,01	0,54
87	320	25,00	30,25	30,15	32,09	30,03	32,77	3,64	87,95	0,49
86	320	25,00	30,22	30,15	32,10	29,89	32,75	3,55	90,05	0,48

Torrente Segno T=200 anni										
85,5	Bridge									
85	320	24,90	30,02	30,30	29,72	29,31	31,34	5,64	56,79	0,86
84	320	23,74	28,88	30,57	28,73	28,65	30,45	5,82	55,02	0,97
83	320	23,54	28,60	30,75	28,28	28,28	29,99	5,80	55,20	1,00
82	320	22,91	28,14	29,78	27,01	27,58	29,21	6,57	48,69	1,33
81	320	21,62	27,13	28,79	25,43	25,59	26,89	5,36	59,72	1,09
80	320	21,09	26,20	26,83	25,37	24,36	25,87	3,12	102,53	0,58
79,5	Bridge									
79	320	21,40	26,26	26,78	24,97	24,17	25,52	3,31	96,73	0,64
78	320	19,67	24,46	24,93	23,33	23,33	24,58	4,96	64,46	1,00
77	320	18,51	22,67	22,92	21,92	21,40	22,63	3,75	85,35	0,73
76	320	17,48	21,68	21,98	21,25	20,73	22,00	3,83	83,59	0,73
75	320	17,50	21,30	21,67	19,85	19,85	21,03	4,82	66,40	1,00
74	320	15,64	21,30	21,30	19,56	18,02	19,99	2,90	110,33	0,47
73,5	Bridge									
73	320	15,64	21,30	21,30	19,35	18,18	19,89	3,25	98,41	0,55
72	320	15,45	20,85	20,11	18,95	18,35	19,81	4,11	77,94	0,74
71	320	14,86	20,85	21,30	19,13	17,86	19,73	3,44	93,15	0,57
70	320	14,61	20,40	21,30	19,09	17,61	19,66	3,33	96,00	0,52
69,5	Bridge									
69	320	14,21	20,50	20,40	18,59	17,93	19,40	4,00	79,92	0,72
68	320	13,84	20,25	20,30	18,27	17,75	19,14	4,12	77,66	0,77
67	320	13,45	19,42	18,90	18,03	17,04	18,66	3,50	91,46	0,61
66	320	13,01	18,99	18,21	17,44	16,89	18,28	4,08	78,51	0,77
65	320	12,59	19,02	18,17	17,63	16,31	18,15	3,19	100,20	0,54
64	320	12,49	18,66	17,90	17,29	16,43	18,04	3,83	83,61	0,68
63	320	12,57	18,69	16,40	17,25	16,35	18,03	3,92	81,73	0,66
62,5	320	12,17	18,27	15,70	17,29	16,02	17,89	3,41	93,72	0,56
62	320	12,24	18,28	15,74	17,29	15,99	17,88	3,40	94,17	0,56
61	320	11,90	17,86	15,98	17,18	15,67	17,73	3,28	97,54	0,53
60	320	12,00	17,77	15,29	15,97	15,97	17,52	5,51	58,06	1,01
59	320	11,79	17,60	15,39	14,58	15,36	17,21	7,19	44,48	1,65
58	320	10,97	16,12	14,67	14,15	14,50	15,79	5,67	56,40	1,23
57	320	10,40	16,16	13,91	14,23	13,72	15,04	3,99	80,18	0,75
56	320	10,15	15,68	14,09	14,18	13,33	14,80	3,49	91,68	0,63
55,7	320	10,00	24,00	13,94	13,87	13,40	14,72	4,07	78,61	0,77
55,5	320	9,96	15,47	13,90	13,93	13,34	14,67	3,79	84,43	0,72
55	320	9,73	15,20	13,67	13,43	13,31	14,49	4,57	70,09	0,94
54	320	9,82	15,20	13,56	13,78	12,52	14,26	3,07	104,34	0,52
53	320	9,74	14,23	13,70	13,78	12,47	14,23	2,97	107,67	0,50
52,5	Bridge									
52	320	9,63	14,23	13,68	13,71	12,50	14,19	3,08	103,93	0,53
51	320	9,75	14,25	13,53	13,64	12,58	14,17	3,23	99,05	0,57
50	320	11,02	13,96	11,02	13,55	12,73	14,10	3,27	97,92	0,71
49	320	10,13	13,87	10,13	13,60	12,21	13,99	2,79	114,80	0,57
48,1	320	9,29	12,72	9,29	13,08	12,17	13,80	3,75	85,23	0,65
48	320	9,29	12,72	9,29	13,18	11,81	13,75	3,34	95,86	0,57
47	320	9,10	12,27	9,10	12,66	11,86	13,43	3,90	82,15	0,70
46,1	320	8,65	11,80	8,65	12,27	11,38	13,04	3,88	82,45	0,70
46	320	8,65	11,80	8,65	12,45	10,76	12,96	3,19	100,32	0,56
45	320	8,17	11,33	8,17	11,98	10,92	12,69	3,73	85,86	0,65
44	320	7,10	11,00	7,10	11,74	10,54	12,42	3,67	87,25	0,64
43	320	6,92	10,89	6,92	11,80	10,21	12,37	3,33	95,95	0,55
42	320	7,44	10,50	7,44	11,15	10,29	12,02	4,14	77,28	0,77

Torrente Segno T=200 anni										
41	320	6,98	10,35	6,98	11,42	9,24	11,72	2,44	131,22	0,41
40	Bridge									
39	320	6,93	10,50	6,93	10,78	8,96	11,14	2,67	119,64	0,46
38	320	6,81	9,87	6,81	10,72	8,98	11,11	2,77	115,59	0,49
37	320	6,56	9,79	6,56	10,61	8,90	11,05	2,93	109,24	0,51
36	320	6,44	9,40	6,44	10,35	8,85	10,87	3,21	99,82	0,58
35	320	6,11	8,50	6,11	9,99	8,56	10,56	3,33	95,96	0,58
34	320	5,25	7,65	5,28	9,70	8,37	10,24	3,23	98,99	0,51
33	320	5,25	7,10	5,25	9,49	8,13	10,04	3,31	96,66	0,53
32	320	4,98	7,05	4,98	9,71	6,94	9,86	1,70	188,62	0,25
30	320	4,63	7,05	4,63	9,70	6,85	9,85	1,68	190,75	0,24
29	Bridge									
28	320	4,60	7,05	4,61	9,26	6,82	9,43	1,83	174,48	0,27
27	320	4,61	7,05	4,61	9,25	6,52	9,39	1,69	189,78	0,26
26	320	4,30	7,70	7,94	9,25	6,44	9,39	1,63	196,62	0,24
25	320	3,20	7,85	7,75	9,07	6,30	9,34	2,30	138,87	0,32
24	320	3,20	7,85	7,75	9,03	6,40	9,33	2,45	130,50	0,34
23	320	2,90	7,90	8,50	9,02	5,92	9,30	2,35	136,15	0,31
22	Bridge									
21	320	2,70	8,45	8,40	8,28	5,82	8,61	2,56	124,86	0,37
20	320	2,65	4,90	8,40	8,25	5,53	8,56	2,43	131,44	0,34
19	320	1,90	5,20	8,00	8,23	4,97	8,48	2,21	144,66	0,29
18	320	1,40	6,50	7,80	8,16	4,96	8,44	2,36	135,47	0,31
17	Bridge									
16	320	1,40	6,60	5,20	7,32	4,74	7,67	2,63	121,46	0,37
15	320	1,55	6,60	5,40	7,32	4,66	7,64	2,50	128,12	0,35
14	Bridge									
13,5	320	1,40	7,00	4,00	6,17	4,51	6,67	3,13	102,21	0,48
13	320	1,40	7,00	4,00	6,13	4,51	6,64	3,16	101,23	0,49
12,5	320	1,40	5,75	4,00	6,13	4,51	6,64	3,16	101,21	0,49
12,25	320	1,40	4,45	4,00	6,12	4,52	6,63	3,16	101,11	0,49
12	320	1,40	4,16	4,00	6,08	4,46	6,59	3,14	101,78	0,49
11,5	320	1,33	7,00	3,95	6,08	4,32	6,58	3,13	102,10	0,47
11,25	320	1,33	7,00	3,95	6,01	4,33	6,53	3,19	100,20	0,49
11	320	1,20	7,00	3,94	5,92	4,36	6,46	3,28	97,66	0,51
10	320	1,53	2,52	1,53	5,85	4,39	6,45	3,44	93,14	0,53
9	320	0,77	2,89	0,78	5,79	3,84	6,21	2,86	111,83	0,41
8	320	0,83	3,10	0,83	5,78	3,10	6,08	2,43	131,54	0,35
7	Bridge									
6	320	0,32	6,00	4,62	4,51	3,10	4,91	2,78	115,13	0,47
5	320	0,10	3,40	4,98	4,50	2,69	4,83	2,55	125,40	0,41
4	Bridge									
3	320	0,00	3,47	5,11	3,17	2,68	3,90	3,78	84,67	0,74
2,1	320	0,00	2,40	5,30	3,24	2,45	3,74	3,15	101,72	0,61
1,8	320	-0,28	2,40	1,00	3,50	1,49	3,60	1,41	227,49	0,25
1,5	Bridge									
1,3	320	-0,28	2,40	0,72	3,35	1,51	3,46	1,48	215,90	0,27
1	320	-0,28	2,41	4,14	2,61	2,61	3,28	3,63	88,14	1,01

Torrente Segno T=500 anni										
Sezioni	Portata totale (m <sup>3</sup> /s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m <sup>2</sup> )	Velocità (m/s)	Area bagnata (m <sup>2</sup> )	N° Froude
171	250	92,60	94,60	98,00	99,21	99,21	102,38	7,88	31,71	1,00
170	250	91,72	93,72	95,00	96,57	97,55	100,56	8,85	28,24	1,36
169	250	90,05	91,85	97,00	94,91	96,10	99,33	9,31	26,84	1,41
168	250	88,81	93,46	93,49	96,16	95,18	97,19	4,74	58,64	0,62
167,5	Bridge									
167	250	88,81	93,46	93,49	95,18	95,18	96,89	6,06	45,33	0,87
166	250	87,32	91,14	93,28	91,43	92,75	95,69	9,19	27,98	1,57
165	250	85,11	90,26	90,78	88,90	89,74	91,97	7,76	32,22	1,44
164	250	84,93	87,40	88,16	89,34	89,37	90,68	5,46	51,42	0,90
163	250	82,98	85,25	84,30	86,16	87,44	89,58	8,58	32,55	1,61
162	250	81,51	85,25	84,30	85,00	86,45	89,45	9,40	27,47	1,74
161	250	80,84	83,25	83,42	86,11	85,26	86,85	4,24	70,74	0,59
160,5	Bridge									
160	250	80,46	83,25	83,49	85,12	85,12	86,42	5,45	53,28	0,81
159	250	78,11	80,97	81,75	84,77	83,02	85,32	3,52	82,34	0,48
158,5	Bridge									
158	250	78,06	80,93	81,70	82,97	82,97	84,47	5,64	48,24	0,92
157	250	76,06	80,31	83,03	79,94	80,88	82,87	7,58	32,99	1,49
156	250	74,86	79,23	79,03	82,10	79,95	82,30	2,19	137,06	0,30
155	250	73,85	80,06	80,73	81,73	80,54	82,21	3,20	85,40	0,49
154,5	Bridge									
154	250	73,69	80,02	80,70	79,03	79,89	81,85	7,44	33,59	1,32
153	250	70,55	75,96	75,83	78,26	77,34	78,81	3,55	77,64	0,43
152,5	Bridge									
152	250	70,55	75,96	75,83	77,35	77,35	78,46	5,15	55,74	0,66
151	250	66,64	69,67	69,44	69,43	70,84	74,29	9,76	25,60	2,09
150	250	65,64	69,67	69,44	68,66	70,31	74,10	10,33	24,20	2,16
149	250	61,91	65,75	66,98	67,55	66,10	68,06	3,29	82,44	0,48
148,5	Bridge									
148	250	61,91	65,75	66,98	66,10	66,10	67,41	5,13	51,20	0,89
147	250	61,61	63,57	65,70	64,05	64,77	66,42	6,88	37,45	1,56
146	250	56,48	63,57	61,67	61,47	62,90	66,17	9,61	26,02	2,14
145	250	55,41	58,00	57,69	59,51	60,51	62,87	8,72	32,91	1,51
144	250	51,75	62,81	62,76	55,95	56,87	58,97	7,69	32,51	1,49
143,5	Bridge									
143	250	51,75	62,81	62,76	57,83	56,87	58,78	4,32	57,88	0,69
142	250	50,81	55,73	56,13	57,50	55,36	58,35	4,08	61,24	0,53
141,5	Bridge									
141	250	50,81	55,73	56,13	55,36	55,36	57,37	6,28	39,84	1,00
140	250	47,62	53,39	53,49	53,79	52,43	54,72	4,27	58,89	0,63
139	250	46,64	50,84	50,76	53,13	51,55	54,19	4,57	54,67	0,61
138,5	Bridge									
138	250	46,64	50,84	50,76	51,55	51,55	53,60	6,34	39,46	1,00
137	250	44,68	52,17	52,26	51,05	48,21	51,49	2,92	85,56	0,38
136,5	Bridge									
136	250	44,66	52,18	52,26	51,04	48,18	51,46	2,90	86,25	0,38
135	250	43,43	47,71	50,00	50,06	48,42	51,10	4,51	55,45	0,61
134	250	43,03	46,75	50,00	50,20	47,56	50,88	3,63	68,81	0,46
133	250	43,14	47,47	50,00	50,41	46,94	50,75	2,58	96,97	0,32
132	250	42,90	47,00	50,00	50,38	46,65	50,70	2,50	99,88	0,31
131	250	42,86	47,32	48,34	50,43	46,26	50,66	2,12	118,00	0,26
130	250	42,25	48,38	48,34	50,48	45,65	50,61	1,62	153,90	0,19

Torrente Segno T=500 anni										
129	250	42,33	45,00	49,00	50,28	46,11	50,57	2,39	104,78	0,28
128	250	41,88	45,00	48,00	50,30	45,73	50,56	2,26	110,48	0,26
127	250	41,18	45,00	45,00	49,00	46,88	50,42	5,27	47,44	0,61
126,5	Bridge									
126	250	41,23	45,00	45,00	46,78	46,78	49,37	7,13	35,07	1,00
125	250	41,14	45,00	45,00	45,33	46,34	49,17	8,68	28,80	1,44
124	250	39,92	44,42	45,00	43,75	45,32	48,94	10,10	24,75	1,76
123	250	40,00	44,42	45,00	46,56	43,47	46,74	1,88	132,95	0,26
122	250	39,15	40,93	41,41	46,31	43,07	46,65	2,55	97,95	0,33
121	250	38,59	40,55	41,94	46,18	42,62	46,53	2,65	94,37	0,33
120	250	38,30	39,48	41,57	46,19	42,33	46,46	2,33	107,49	0,28
119,5	Bridge									
119	250	38,24	39,11	40,64	45,97	42,05	46,31	2,57	97,12	0,31
118	250	37,18	39,96	39,30	45,63	41,63	46,12	3,12	80,11	0,35
117	250	37,23	39,98	40,00	45,77	41,30	46,02	2,22	112,72	0,26
116	250	36,89	39,77	39,34	45,53	41,24	45,96	2,88	86,87	0,32
115	250	36,59	41,22	41,25	45,40	40,59	45,77	2,70	92,48	0,29
114,5	Bridge									
114,1	250	36,49	40,00	40,00	44,97	40,30	45,23	2,28	109,45	0,26
114	250	36,49	40,00	40,00	44,97	40,32	45,23	2,28	109,44	0,26
113,5	Bridge									
113,1	250	36,58	40,00	40,00	43,79	40,87	44,39	3,41	73,23	0,42
113	250	36,58	40,00	40,00	43,79	40,89	44,39	3,41	73,23	0,42
112,5	Bridge									
112	250	36,42	40,55	40,00	42,22	40,51	42,96	3,80	65,80	0,54
111	250	35,94	40,00	36,96	42,23	39,62	42,69	3,01	83,00	0,40
110	380	34,89	38,56	36,97	41,71	39,68	42,51	3,95	96,29	0,52
109	380	33,61	38,56	36,97	41,90	38,45	42,41	3,18	119,46	0,38
108	380	34,86	39,00	36,88	41,85	39,41	42,32	3,03	125,23	0,41
107	380	34,25	36,00	36,00	41,09	39,10	42,12	4,50	84,41	0,57
106	380	34,32	37,00	37,50	41,09	39,29	42,06	4,34	87,59	0,57
105,5	Bridge									
105	380	34,32	37,00	37,50	39,25	39,25	41,27	6,29	60,44	1,00
104	380	32,49	37,00	37,50	36,98	38,17	40,98	8,86	42,87	1,59
103	380	32,04	36,79	40,00	35,78	37,13	40,01	9,11	41,70	1,70
102	380	31,07	36,50	40,00	38,41	37,02	39,43	4,48	84,82	0,63
101	380	30,85	35,95	40,00	38,16	36,74	39,25	4,62	82,19	0,64
100	380	30,22	34,67	39,50	38,09	35,47	38,75	3,61	105,33	0,46
99	380	29,68	33,88	39,50	37,87	35,16	38,59	3,76	101,12	0,47
98	380	29,63	33,88	34,50	38,00	34,67	38,51	3,17	119,77	0,38
97	380	29,09	33,75	34,50	37,86	34,13	38,42	3,31	114,95	0,38
96,5	Bridge									
96	380	29,48	33,75	36,16	35,40	34,24	36,64	4,93	77,15	0,69
95	380	28,79	33,06	34,50	35,15	33,82	36,29	4,73	80,32	0,65
94	380	28,48	32,32	33,34	35,06	32,97	35,76	3,72	102,19	0,50
93,5	Bridge									
93	380	28,35	32,29	33,30	33,32	32,97	34,74	5,28	72,03	0,88
92	380	28,03	31,91	33,50	33,16	32,77	34,47	5,07	75,01	0,85
91	380	28,03	31,91	33,50	33,00	32,77	34,43	5,29	71,78	0,91
90	380	26,74	31,61	32,00	33,36	31,48	34,14	3,91	97,13	0,53
89	380	25,56	31,61	32,00	33,50	30,61	34,06	3,29	115,49	0,41
88	380	25,45	31,00	30,15	33,00	30,88	33,90	4,20	90,41	0,54
87	380	25,00	30,25	30,15	32,82	30,45	33,56	3,82	99,60	0,49
86	380	25,00	30,22	30,15	32,83	30,33	33,54	3,74	101,69	0,47



Torrente Segno T=500 anni										
85,5	Bridge									
85	380	24,90	30,02	30,30	30,18	29,78	32,05	6,06	62,74	0,88
84	380	23,74	28,88	30,57	29,12	29,09	31,10	6,23	60,96	0,99
83	380	23,54	28,60	30,75	28,69	28,69	30,62	6,15	61,76	1,00
82	380	22,91	28,14	29,78	27,28	27,92	29,79	7,03	54,06	1,38
81	380	21,62	27,13	28,79	26,55	25,93	27,47	4,26	89,11	0,76
80	380	21,09	26,20	26,83	26,68	24,64	27,02	2,57	147,84	0,40
79,5	Bridge									
79	380	21,40	26,26	26,78	25,36	24,46	25,96	3,43	110,76	0,63
78	380	19,67	24,46	24,93	23,63	23,63	25,04	5,26	72,28	1,00
77	380	18,51	22,67	22,92	22,25	21,66	23,05	3,96	95,91	0,73
76	380	17,48	21,68	21,98	21,58	20,99	22,42	4,06	93,57	0,74
75	380	17,50	21,30	21,67	20,13	20,13	21,46	5,10	74,46	1,00
74	380	15,64	21,30	21,30	20,56	18,29	20,95	2,74	138,66	0,40
73,5	Bridge									
73	380	15,64	21,30	21,30	19,79	18,47	20,39	3,44	110,57	0,55
72	380	15,45	20,85	20,11	19,37	18,68	20,31	4,28	88,76	0,73
71	380	14,86	20,85	21,30	19,55	18,21	20,23	3,66	103,90	0,58
70	380	14,61	20,40	21,30	19,50	17,94	20,16	3,60	105,48	0,54
69,5	Bridge									
69	380	14,21	20,50	20,40	19,00	18,25	19,89	4,19	90,74	0,74
68	380	13,84	20,25	20,30	18,69	18,07	19,62	4,28	88,74	0,75
67	380	13,45	19,42	18,90	18,47	17,35	19,16	3,66	103,76	0,61
66	380	13,01	18,99	18,21	17,99	17,23	18,82	4,04	93,99	0,72
65	380	12,59	19,02	18,17	18,15	16,63	18,71	3,31	114,88	0,53
64	380	12,49	18,66	17,90	17,83	16,78	18,60	3,88	97,84	0,65
63	380	12,57	18,69	16,40	17,75	16,70	18,59	4,07	93,33	0,65
62,5	380	12,17	18,27	15,70	17,80	16,35	18,45	3,57	106,50	0,56
62	380	12,24	18,28	15,74	17,80	16,32	18,44	3,56	106,80	0,55
61	380	11,90	17,86	15,98	17,68	16,02	18,29	3,45	110,11	0,53
60	380	12,00	17,77	15,29	16,37	16,37	18,07	5,79	65,66	1,00
59	380	11,79	17,60	15,39	14,81	15,69	17,76	7,60	49,99	1,66
58	380	10,97	16,12	14,67	14,36	14,80	16,28	6,15	61,81	1,29
57	380	10,40	16,16	13,91	14,93	14,02	15,67	3,80	99,94	0,64
56	380	10,15	15,68	14,09	14,91	13,61	15,49	3,36	112,98	0,55
55,7	380	10,00	24,00	13,94	14,73	13,70	15,43	3,72	102,26	0,62
55,5	380	9,96	15,47	13,90	14,78	13,63	15,39	3,47	109,46	0,58
55	380	9,73	15,20	13,67	14,69	13,62	15,32	3,53	107,71	0,60
54	380	9,82	15,20	13,56	14,82	12,80	15,22	2,82	134,95	0,42
53	380	9,74	14,23	13,70	14,82	12,74	15,20	2,73	139,12	0,41
52,5	Bridge									
52	380	9,63	14,23	13,68	14,27	12,78	14,78	3,14	120,96	0,50
51	380	9,75	14,25	13,53	14,21	12,86	14,76	3,27	116,20	0,53
50	380	11,02	13,96	11,02	14,15	12,99	14,69	3,24	117,19	0,63
49	380	10,13	13,87	10,13	14,16	12,47	14,58	2,88	132,01	0,53
48,1	380	9,29	12,72	9,29	13,61	12,50	14,37	3,86	98,47	0,62
48	380	9,29	12,72	9,29	13,71	12,14	14,33	3,47	109,48	0,55
47	380	9,10	12,27	9,10	13,17	12,17	13,99	4,01	94,68	0,67
46,1	380	8,65	11,80	8,65	12,75	11,71	13,58	4,04	94,05	0,68
46	380	8,65	11,80	8,65	12,92	11,10	13,50	3,39	112,05	0,55
45	380	8,17	11,33	8,17	12,47	11,26	13,23	3,88	97,91	0,63
44	380	7,10	11,00	7,10	12,25	10,91	12,98	3,79	100,15	0,61
43	380	6,92	10,89	6,92	12,31	10,57	12,93	3,49	108,77	0,54
42	380	7,44	10,50	7,44	11,76	10,51	12,63	4,12	92,23	0,69

Torrente Segno T=500 anni										
41	380	6,98	10,35	6,98	12,02	9,52	12,35	2,53	150,41	0,40
40	Bridge									
39	380	6,93	10,50	6,93	11,29	9,24	11,69	2,82	134,54	0,46
38	380	6,81	9,87	6,81	11,23	9,27	11,66	2,89	131,38	0,48
37	380	6,56	9,79	6,56	11,12	9,20	11,60	3,07	123,79	0,50
36	380	6,44	9,40	6,44	10,85	9,17	11,43	3,36	113,16	0,57
35	380	6,11	8,50	6,11	10,53	8,90	11,14	3,45	110,29	0,55
34	380	5,25	7,65	5,28	10,28	8,68	10,84	3,33	114,16	0,49
33	380	5,25	7,10	5,25	10,07	8,44	10,67	3,42	110,99	0,51
32	380	4,98	7,05	4,98	10,32	7,14	10,48	1,78	213,75	0,25
30	380	4,63	7,05	4,63	10,31	7,05	10,47	1,76	215,96	0,24
29	Bridge									
28	380	4,60	7,05	4,61	9,93	7,04	10,11	1,88	202,64	0,26
27	380	4,61	7,05	4,61	9,93	6,74	10,08	1,74	218,77	0,25
26	380	4,30	7,70	7,94	9,93	6,66	10,08	1,68	225,71	0,23
25	380	3,20	7,85	7,75	9,73	6,60	10,03	2,43	156,42	0,32
24	380	3,20	7,85	7,75	9,68	6,71	10,02	2,58	147,08	0,34
23	380	2,90	7,90	8,50	9,67	6,24	9,99	2,51	151,62	0,32
22	Bridge									
21	380	2,70	8,45	8,40	8,88	6,13	9,25	2,72	139,86	0,37
20	380	2,65	4,90	8,40	8,86	5,84	9,20	2,60	146,38	0,34
19	380	1,90	5,20	8,00	8,83	5,29	9,12	2,38	159,60	0,30
18	380	1,40	6,50	7,80	8,75	5,29	9,08	2,55	149,00	0,32
17	Bridge									
16	380	1,40	6,60	5,20	7,90	5,06	8,31	2,82	134,81	0,37
15	380	1,55	6,60	5,40	7,90	4,98	8,27	2,67	142,32	0,35
14	Bridge									
13,5	380	1,40	7,00	4,00	6,67	4,84	7,24	3,32	114,29	0,49
13	380	1,40	7,00	4,00	6,63	4,84	7,21	3,35	113,29	0,49
12,5	380	1,40	5,75	4,00	6,63	4,84	7,21	3,35	113,28	0,49
12,25	380	1,40	4,45	4,00	6,62	4,84	7,20	3,36	113,18	0,49
12	380	1,40	4,16	4,00	6,59	4,77	7,16	3,34	113,84	0,49
11,5	380	1,33	7,00	3,95	6,58	4,64	7,15	3,35	113,48	0,48
11,25	380	1,33	7,00	3,95	6,50	4,65	7,09	3,41	111,50	0,49
11	380	1,20	7,00	3,94	6,41	4,68	7,03	3,49	108,94	0,51
10	380	1,53	2,52	1,53	6,33	4,73	7,01	3,66	103,73	0,53
9	380	0,77	2,89	0,78	6,29	4,16	6,76	3,06	124,03	0,42
8	380	0,83	3,10	0,83	6,28	3,42	6,63	2,62	144,86	0,36
7	Bridge									
6	380	0,32	6,00	4,62	4,90	3,36	5,35	2,98	127,56	0,48
5	380	0,10	3,40	4,98	4,88	2,96	5,27	2,76	137,61	0,42
4	Bridge									
3	380	0,00	3,47	5,11	3,33	2,94	4,24	4,23	89,79	0,81
2,1	380	0,00	2,40	5,30	3,42	2,70	4,05	3,49	108,75	0,66
1,8	380	-0,28	2,40	1,00	3,75	1,65	3,88	1,55	244,83	0,26
1,5	Bridge									
1,3	380	-0,28	2,40	0,72	3,59	1,68	3,72	1,64	232,11	0,28
1	380	-0,28	2,41	4,14	2,77	2,77	3,52	3,84	98,94	1,01