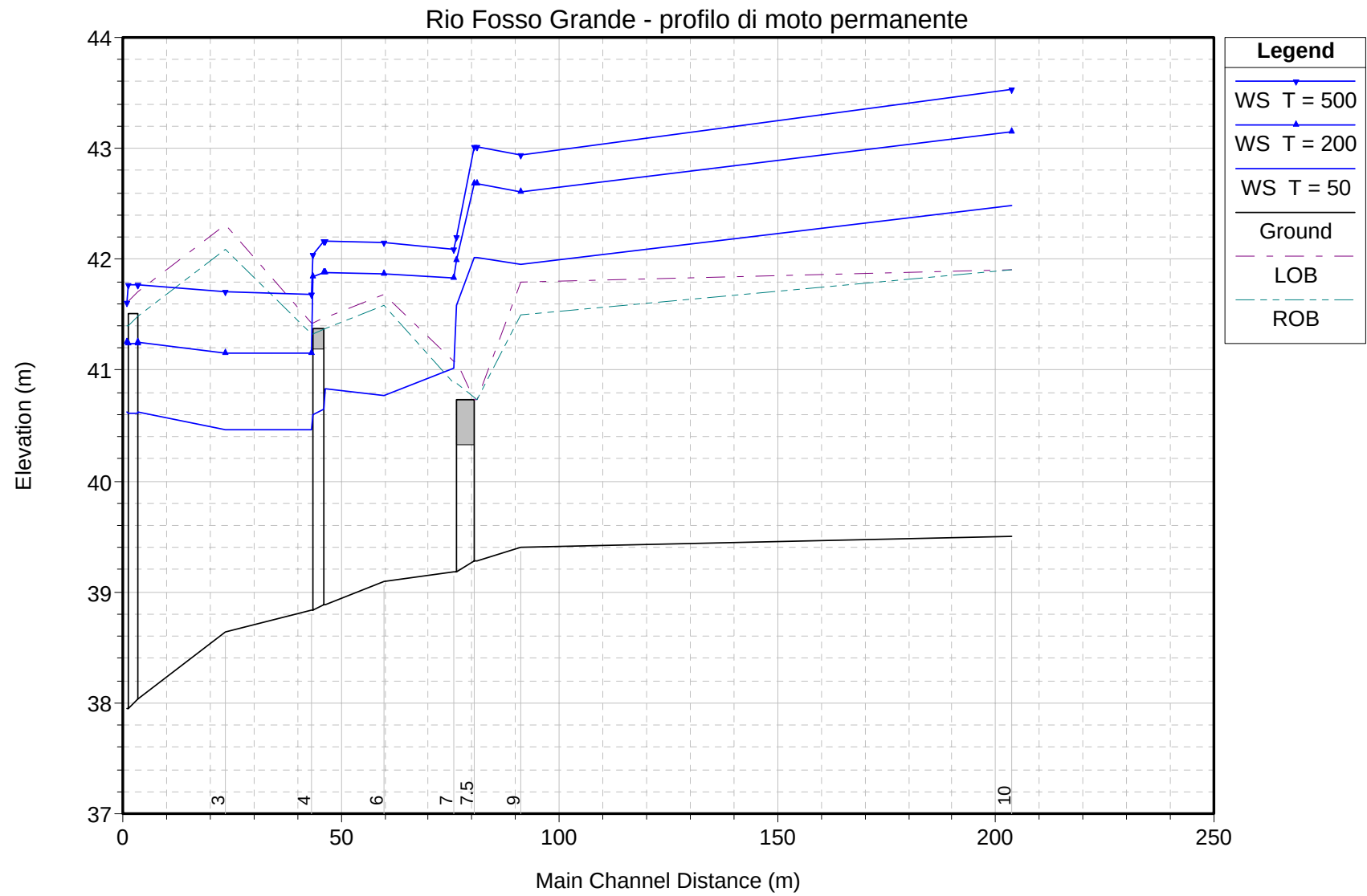


**PROFILI DI RIGURGITO IN CONDIZIONI DI MOTO
PERMANENTE PER LE PORTATE T=50, 200, 500 ANNI**

RIO FOSSO GRANDE



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

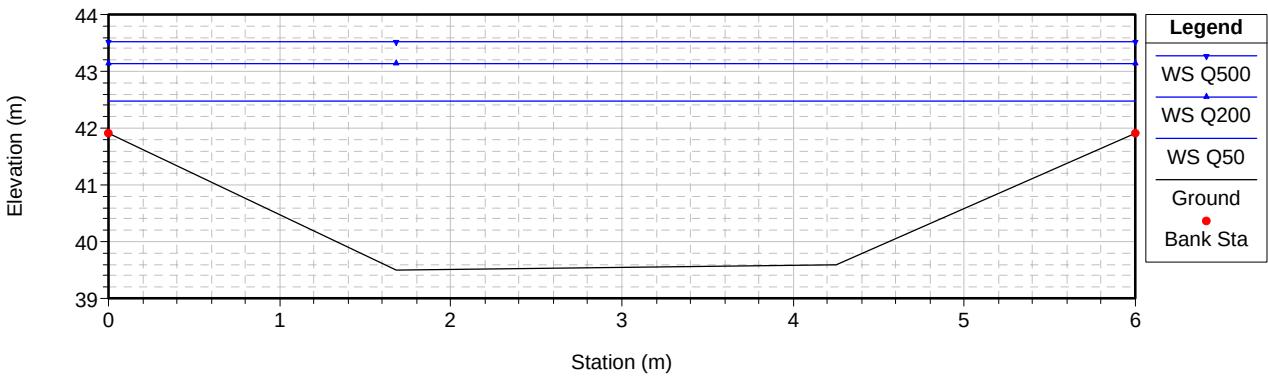
RIO FOSSO GRANDE

DALLA SEZ. 10
ALLA SEZ. 1

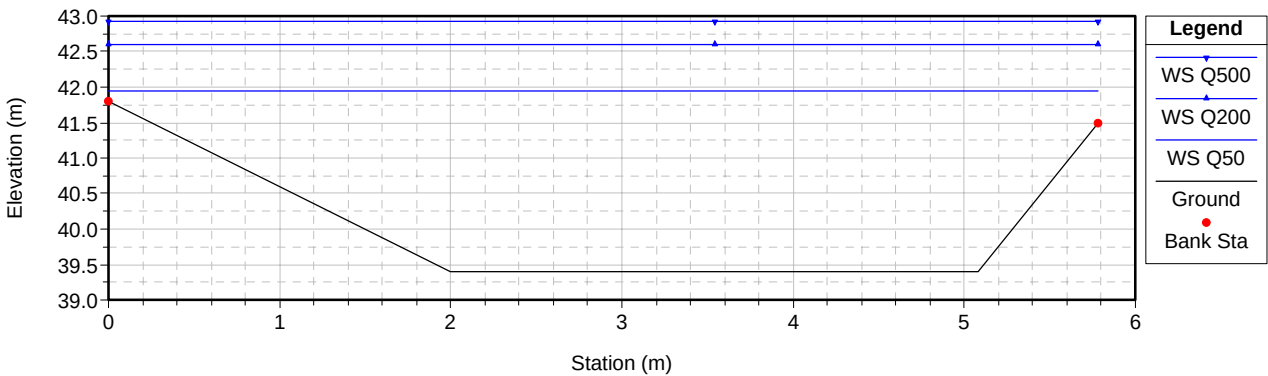
RIO FOSSO GRANDE

Sezioni trasversali

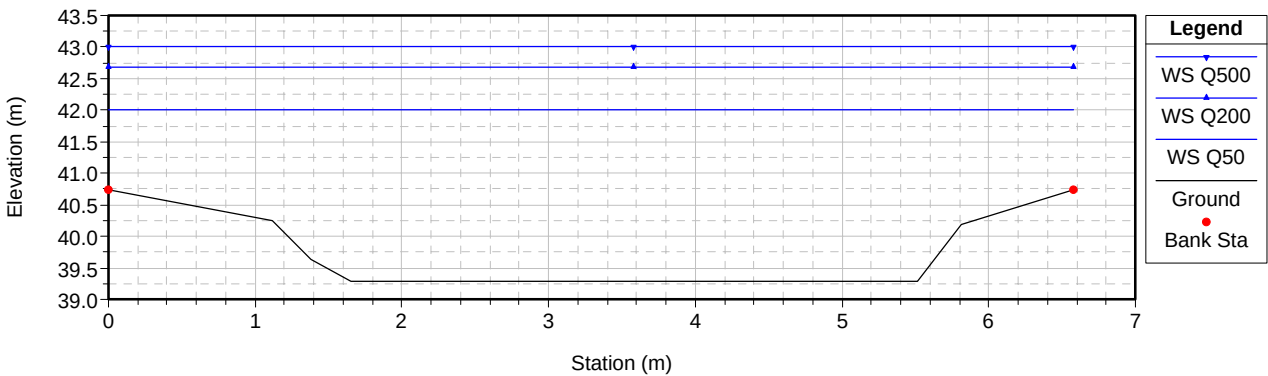
RS = 10



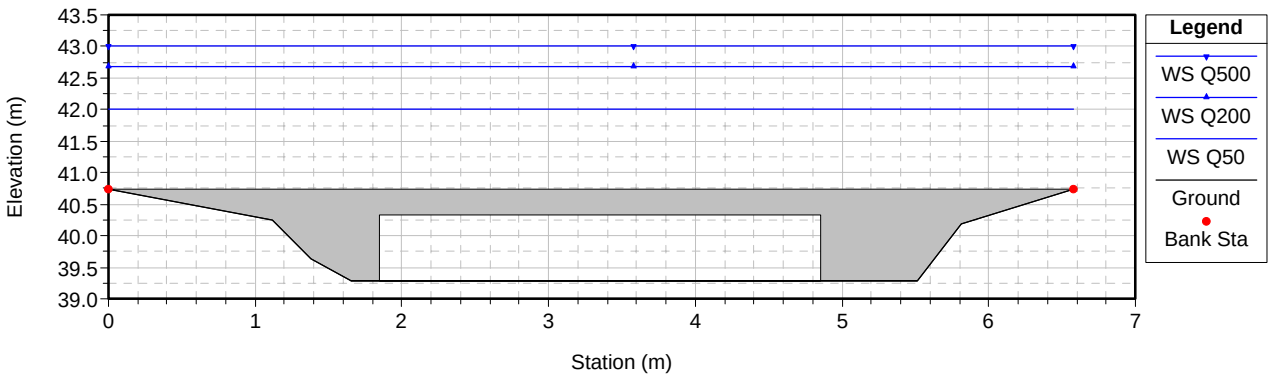
RS = 9



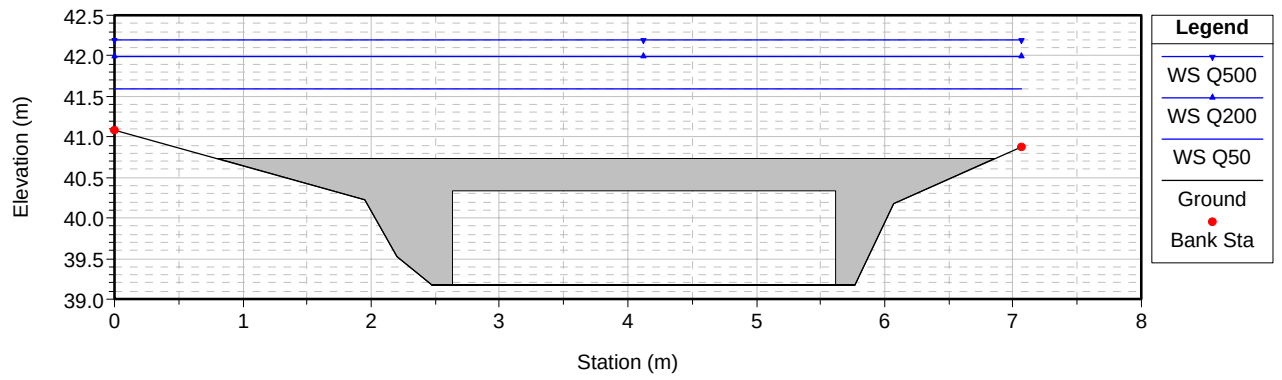
RS = 8



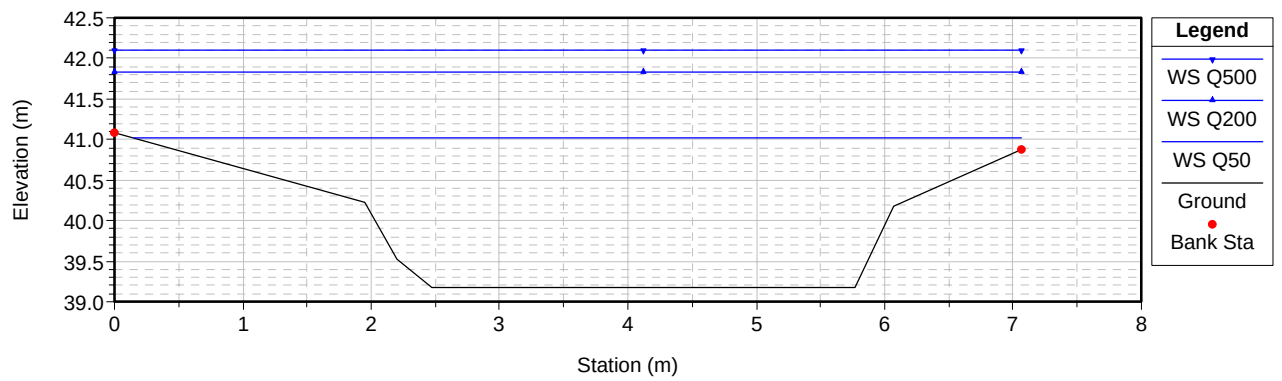
RS = 7.5 BR



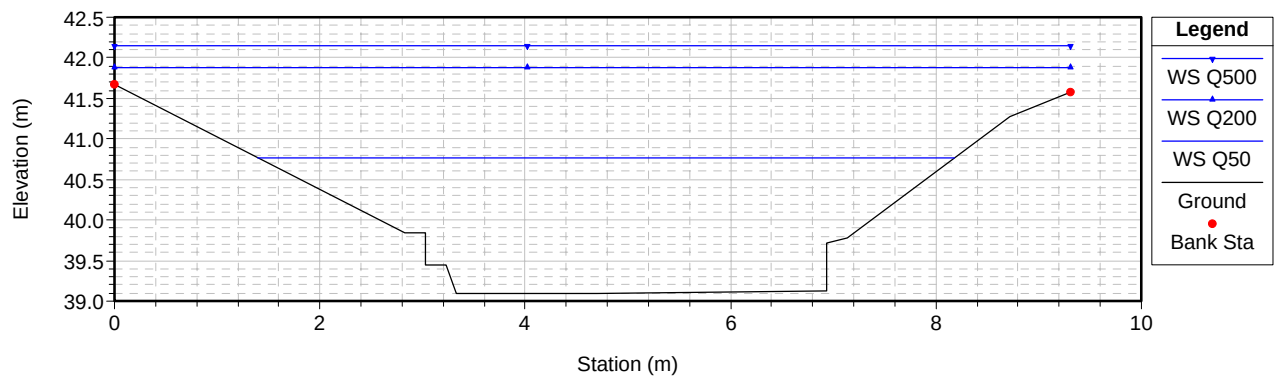
RS = 7.5 BR



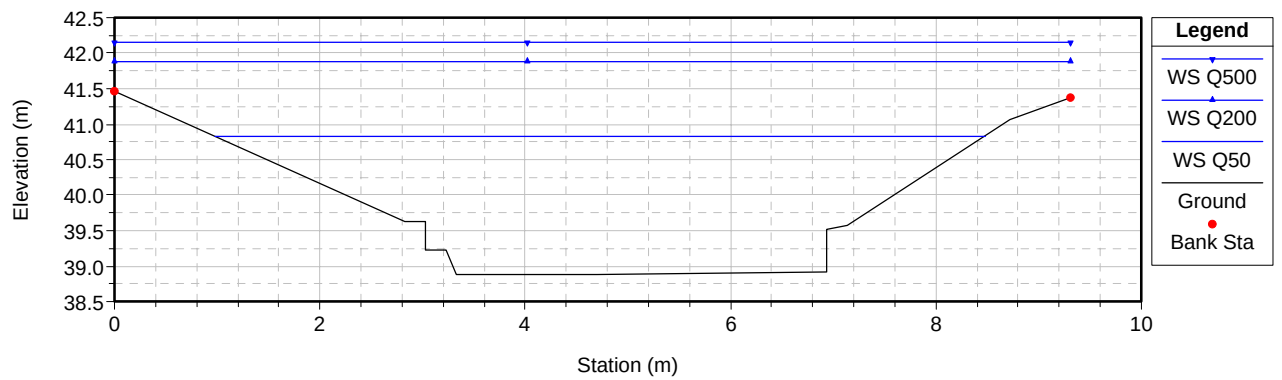
RS = 7



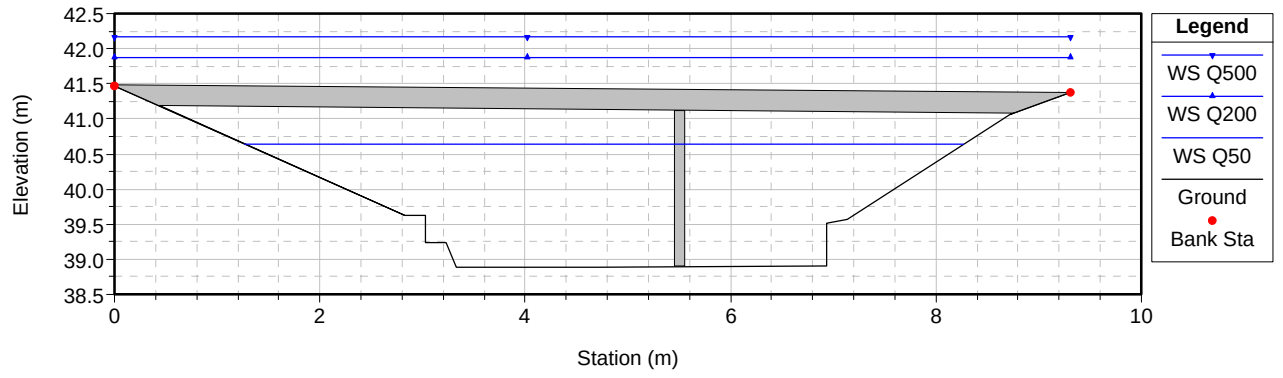
RS = 6



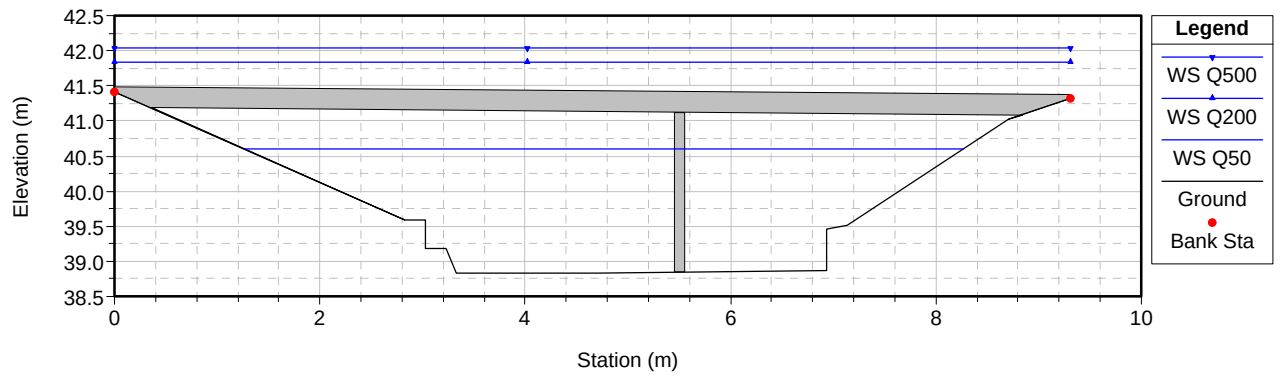
RS = 5



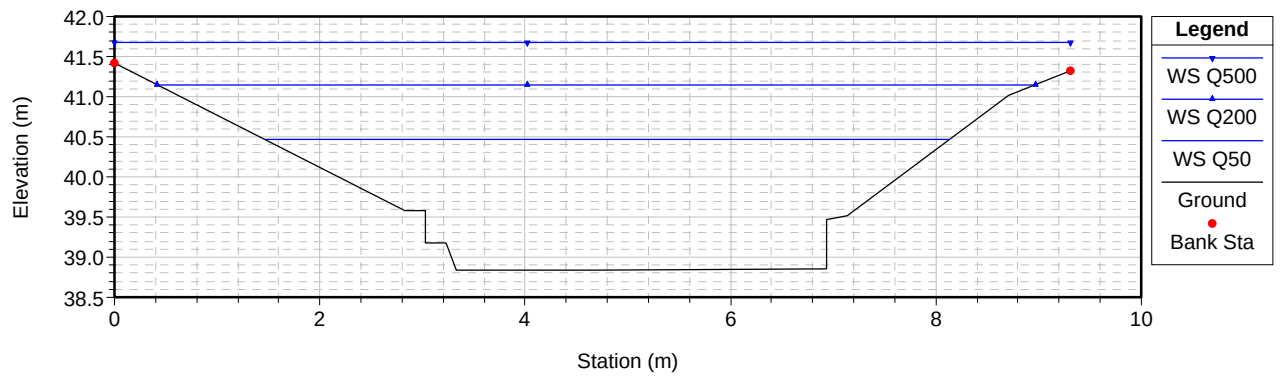
RS = 4.5 BR



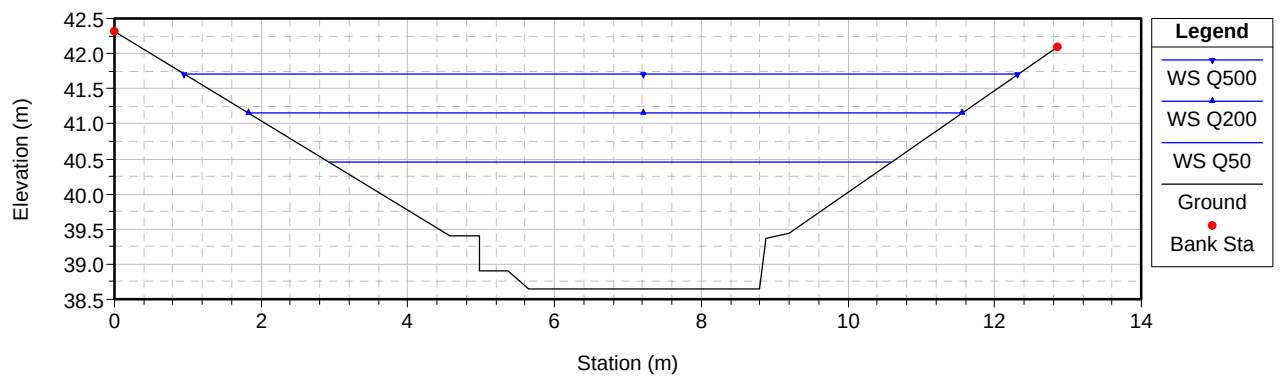
RS = 4.5 BR

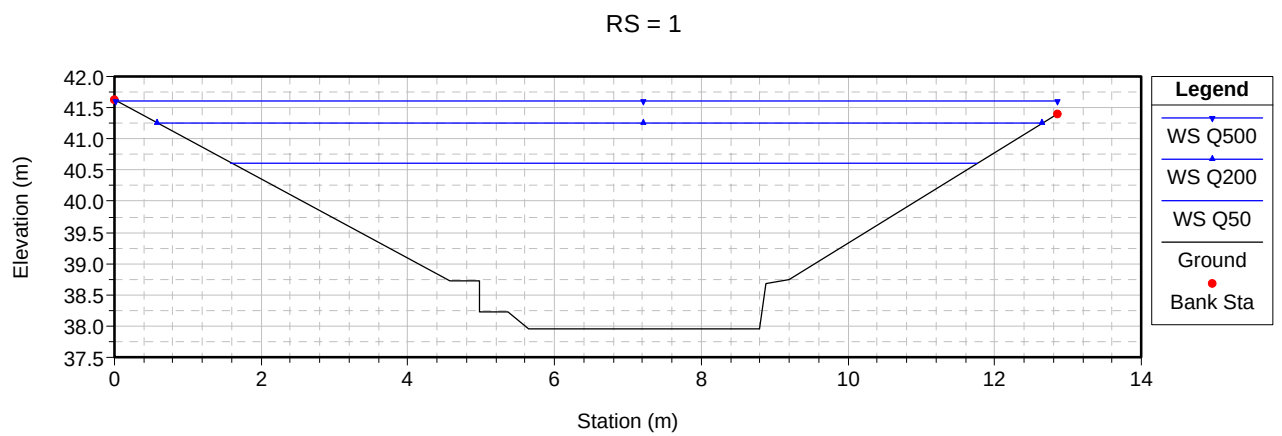
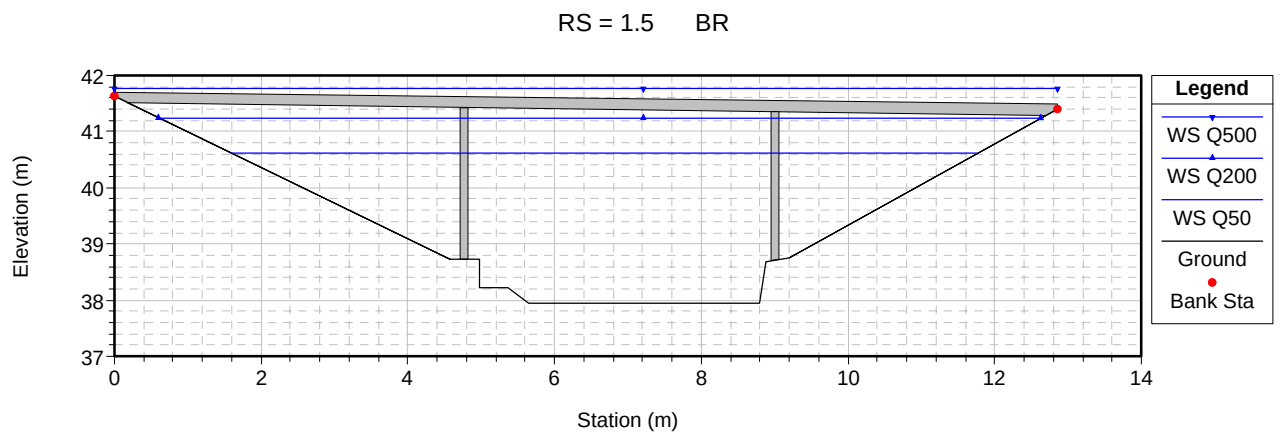
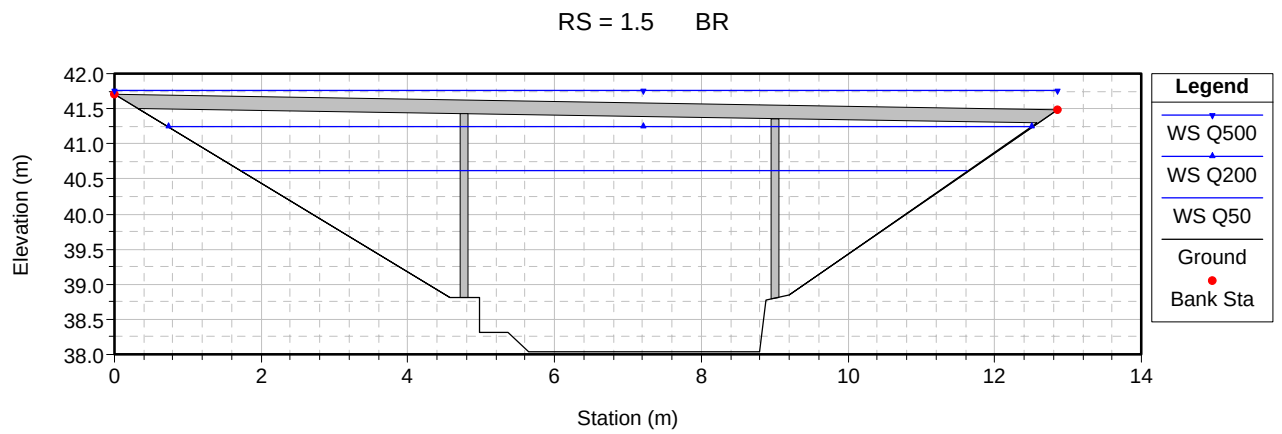
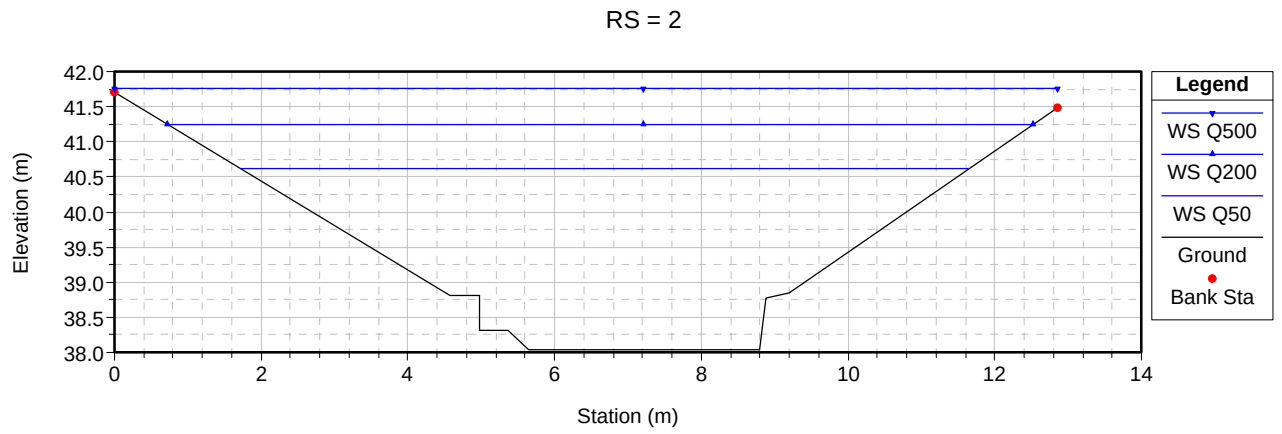


RS = 4



RS = 3





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

RIO FOSSO GRANDE

Rio Fosso Grande T=50 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
10	29	39,5	41,9	41,9	42,48	41,49	42,71	2,14	13,54	0,46
9	29	39,4	41,8	41,5	41,95	41,24	42,27	2,5	11,62	0,56
8	29	39,28	40,73	40,73	42,02	40,93	42,2	1,88	15,39	0,39
7,5	Bridge									
7	29	39,18	41,08	40,88	41,01	41,01	41,63	3,46	8,38	1
6	29	39,1	41,68	41,58	40,77	40,82	41,44	3,63	7,99	1,07
5	29	38,89	41,47	41,37	40,84	40,61	41,27	2,91	9,97	0,81
4,5	Bridge									
4	29	38,84	41,42	41,32	40,46	40,56	41,19	3,78	7,67	1,12
3	29	38,64	42,31	42,09	40,46	40,37	40,96	3,13	9,26	0,91
2	29	38,04	41,71	41,49	40,62	39,76	40,79	1,81	15,98	0,46
1,5	Bridge									
1	29	37,95	41,62	41,4	40,62	39,68	40,77	1,72	16,88	0,43

Rio Fosso Grande T=200 anni										
Sezioni	Portata totale	Fondo alveo	Argine sinistro	Argine destro	Pelo libero	Profondità critica	Energia (m2)	Velocità (m/s)	Area bagnata	N° Froude
10	42	39,5	41,9	41,9	43,15	41,92	43,44	2,39	17,54	0,45
9	42	39,4	41,8	41,5	42,61	41,68	42,99	2,73	15,4	0,53
8	42	39,28	40,73	40,73	42,68	41,29	42,91	2,13	19,74	0,39
7,5	Bridge									
7	42	39,18	41,08	40,88	41,84	41,36	42,28	2,96	14,18	0,67
6	42	39,1	41,68	41,58	41,87	41,21	42,18	2,46	17,09	0,58
5	42	38,89	41,47	41,37	41,88	40,99	42,12	2,2	19,1	0,49
4,5	Bridge									
4	42	38,84	41,42	41,32	41,15	40,94	41,69	3,27	12,86	0,85
3	42	38,64	42,31	42,09	41,15	40,73	41,54	2,75	15,3	0,7
2	42	38,04	41,71	41,49	41,25	40,13	41,42	1,84	22,83	0,42
1,5	Bridge									
1	42	37,95	41,62	41,4	41,25	40,04	41,41	1,76	23,89	0,4

Rio Fosso Grande T=500 anni										
Sezioni	Portata totale	Fondo alveo	Argine sinistro	Argine destro	Pelo libero	Profondità critica	Energia (m2)	Velocità (m/s)	Area bagnata	N° Froude
10	51	39,5	41,9	41,9	43,53	42,17	43,87	2,57	19,84	0,45
9	51	39,4	41,8	41,5	42,93	41,94	43,38	2,95	17,3	0,54
8	51	39,28	40,73	40,73	43,02	41,51	43,29	2,32	21,97	0,41
7,5	Bridge									
7	51	39,18	41,08	40,88	42,1	41,57	42,61	3,18	16,01	0,68
6	51	39,1	41,68	41,58	42,16	41,44	42,5	2,58	19,74	0,57
5	51	38,89	41,47	41,37	42,16	41,24	42,44	2,34	21,75	0,49
4,5	Bridge									
4	51	38,84	41,42	41,32	41,68	41,19	42,1	2,88	17,73	0,67
3	51	38,64	42,31	42,09	41,7	40,95	42	2,42	21,1	0,57
2	51	38,04	41,71	41,49	41,77	40,35	41,92	1,74	29,28	0,37
1,5	Bridge									
1	51	37,95	41,62	41,4	41,61	40,26	41,77	1,8	28,39	0,39