



PROVINCIA DI SAVONA

**DIFESA DEL SUOLO E TUTELA AMBIENTALE
SERVIZIO PIANI DI BACINO**

VERIFICHE IDRAULICHE

Bacino: SEGNO

RIO BELLANDI

PROFILI DI RIGURGITO

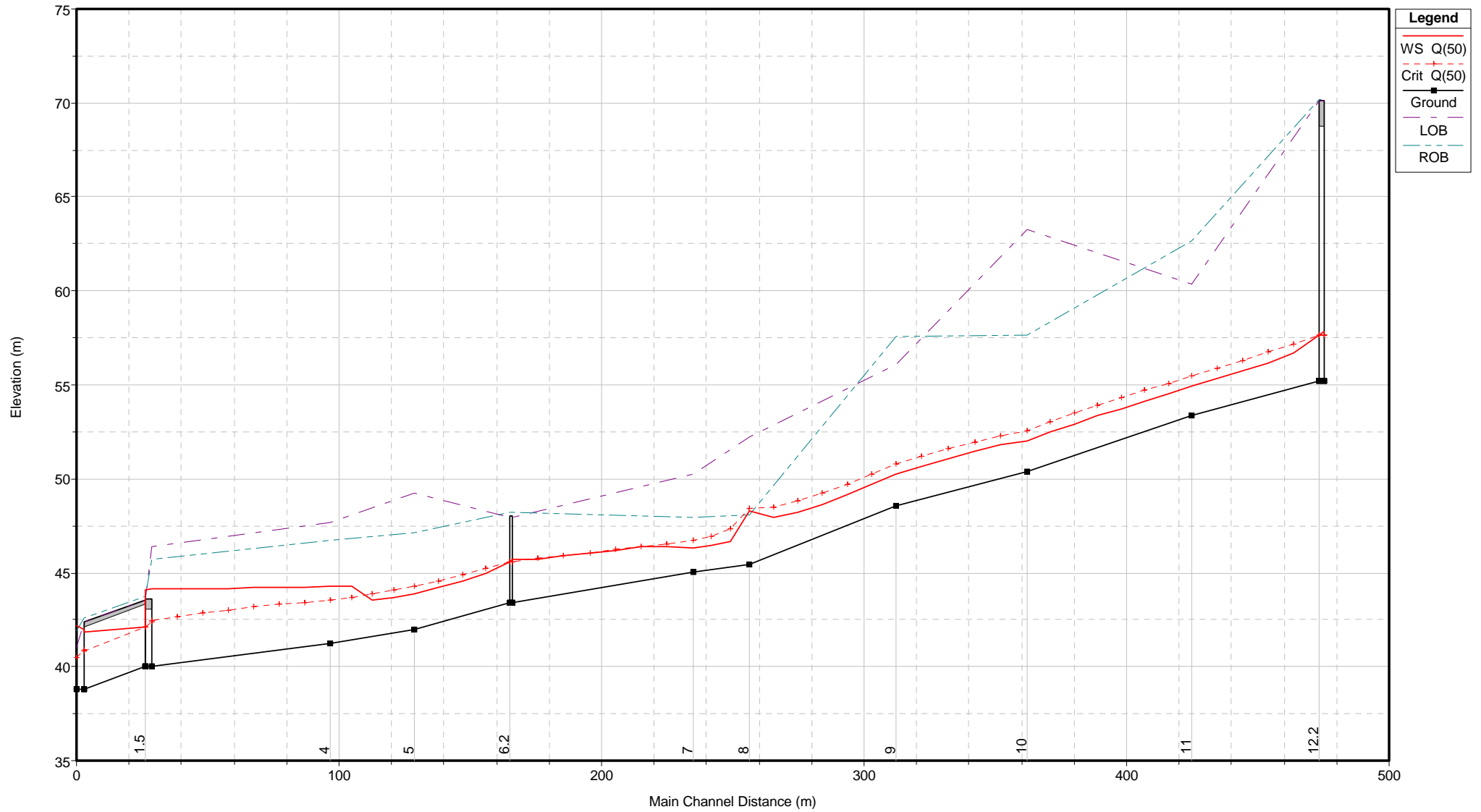
PER LE PORTATE

T=50, 200, 500 ANNI

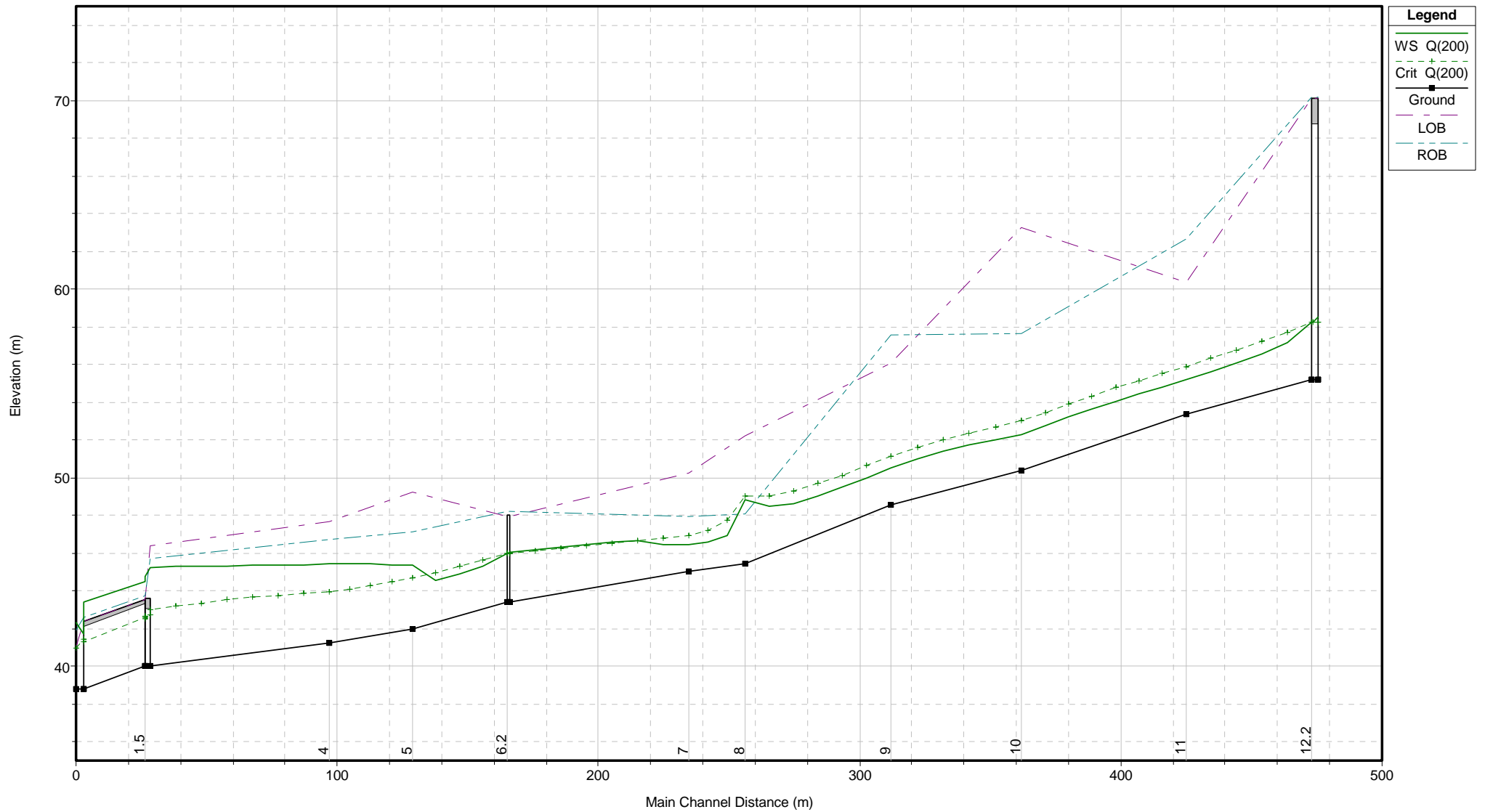
RIO BELLANDI

Dalla sez. 1 alla sez. 12.5

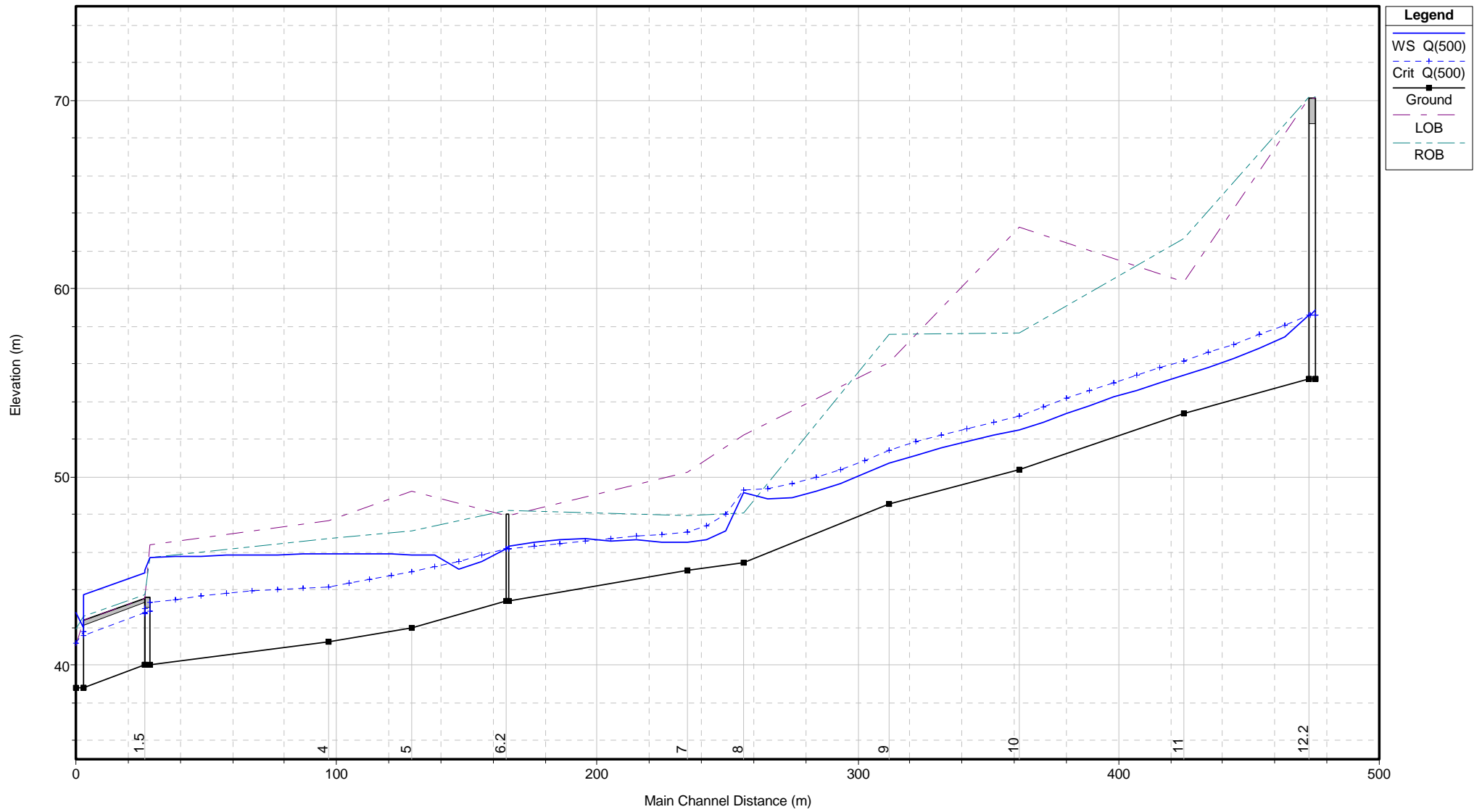
Rio Bellandi – Profilo longitudinale di moto permanente per T=50 anni



Rio Bellandi – Profilo longitudinale di moto permanente per T=200 anni



Rio Bellandi – Profilo longitudinale di moto permanente per T=500 anni



GEOMETRIA DELLE SEZIONI

E LIVELLI IDRICI

PER LE PORTATE

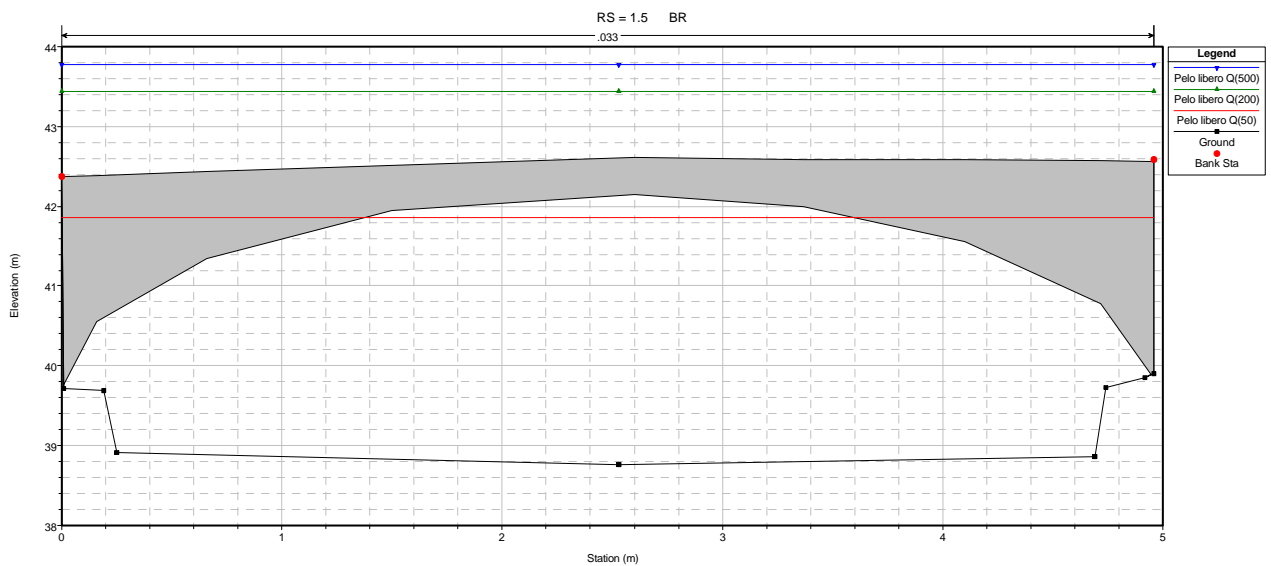
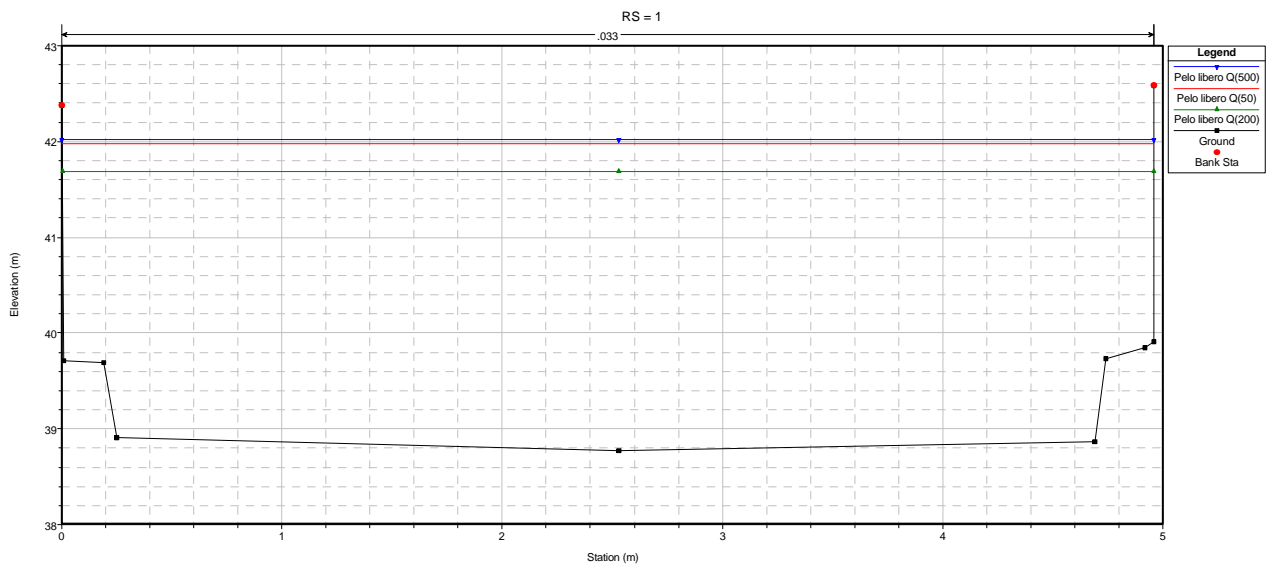
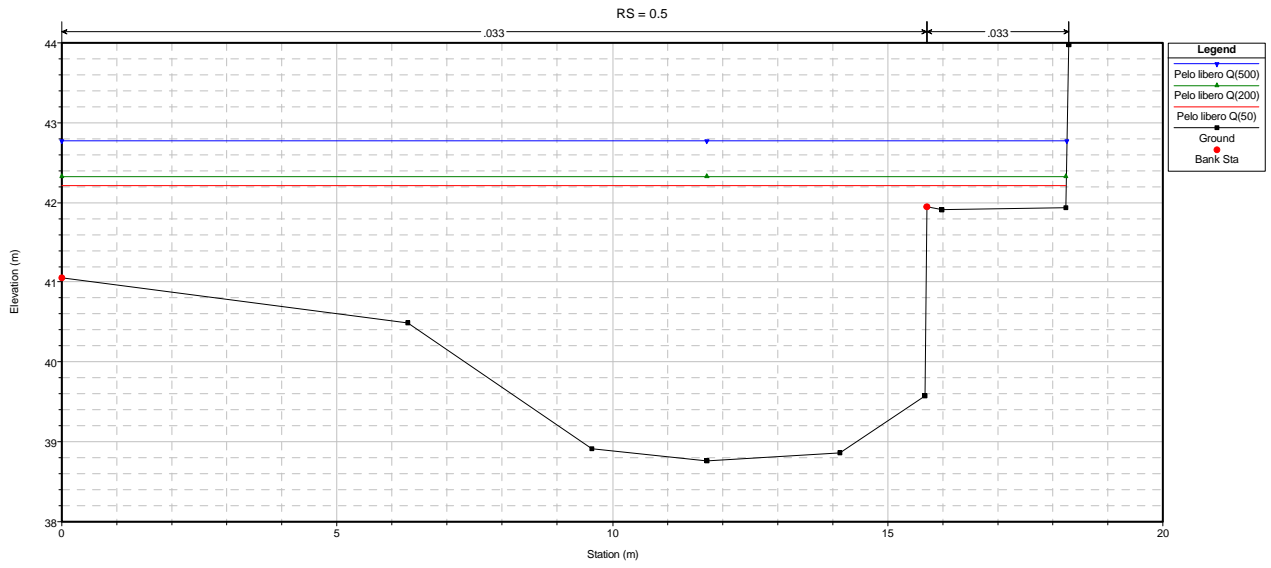
T=50, 200, 500 ANNI

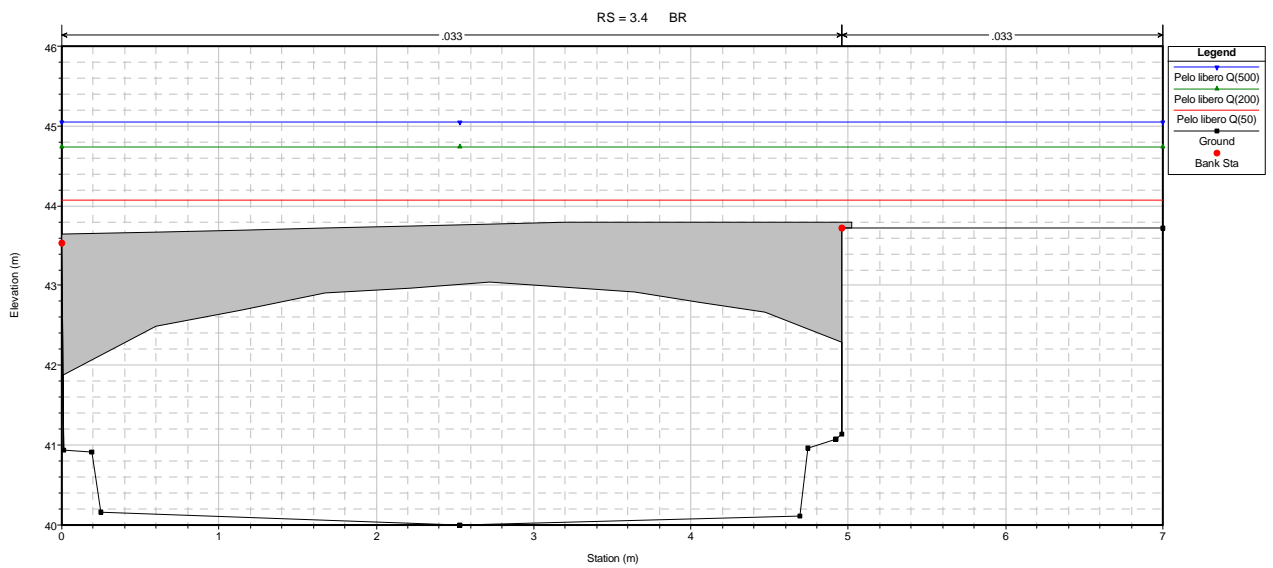
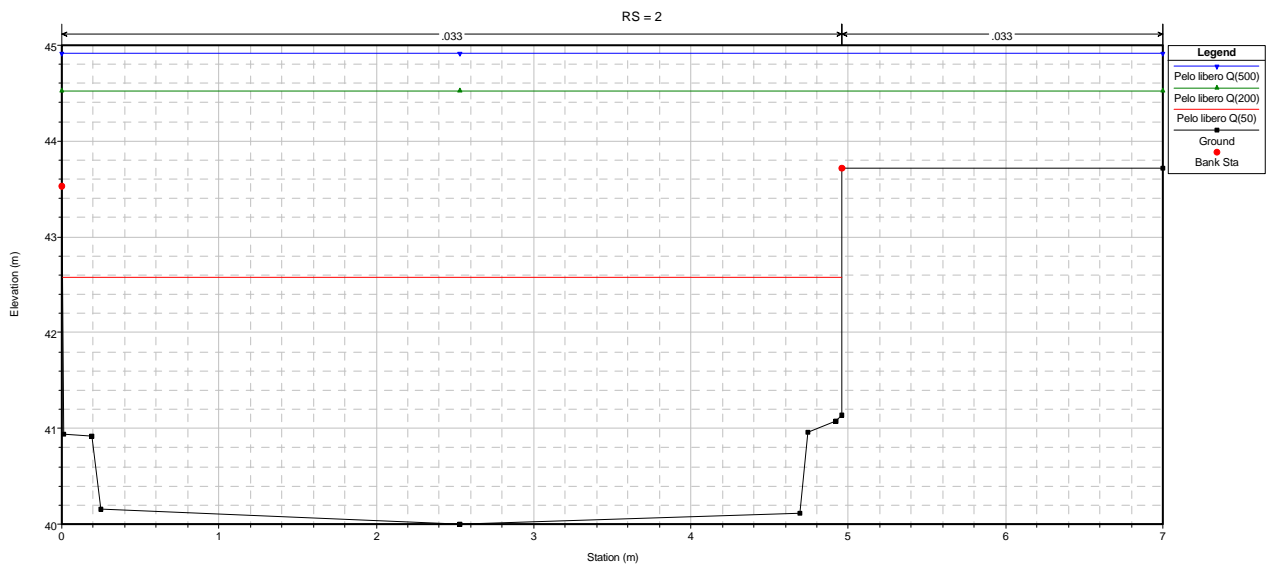
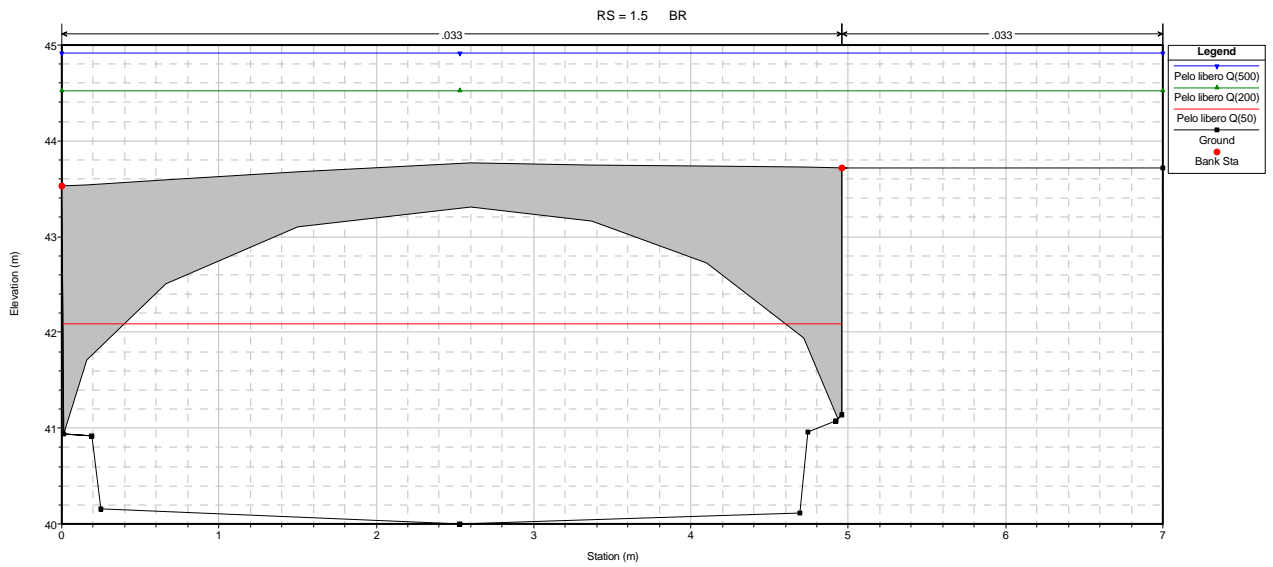
RIO BELLANDI

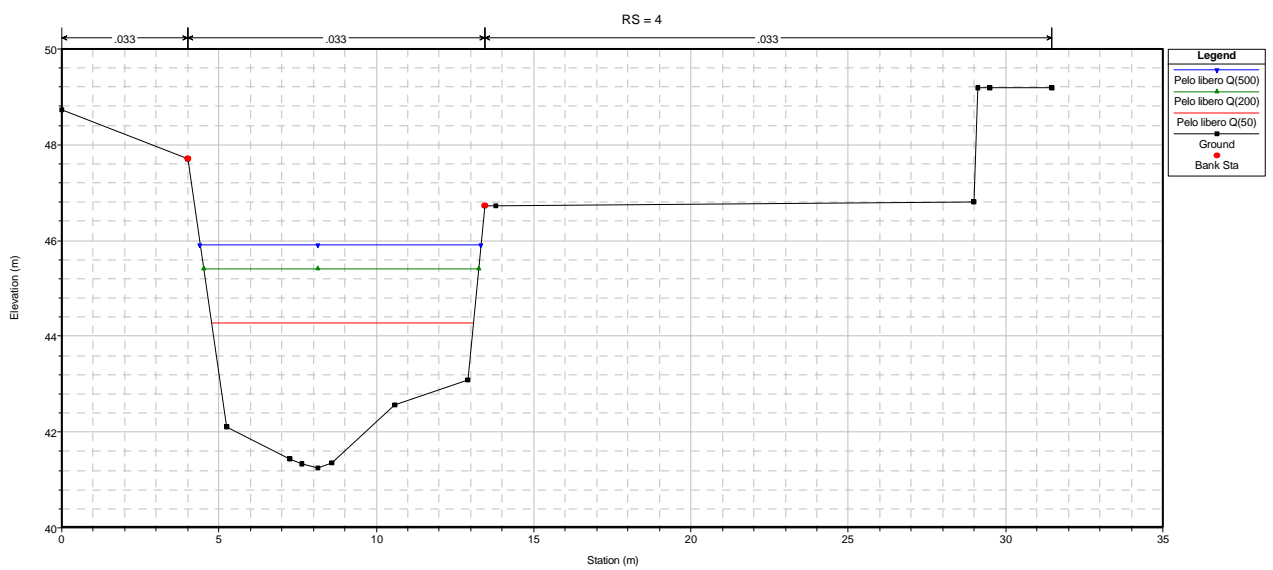
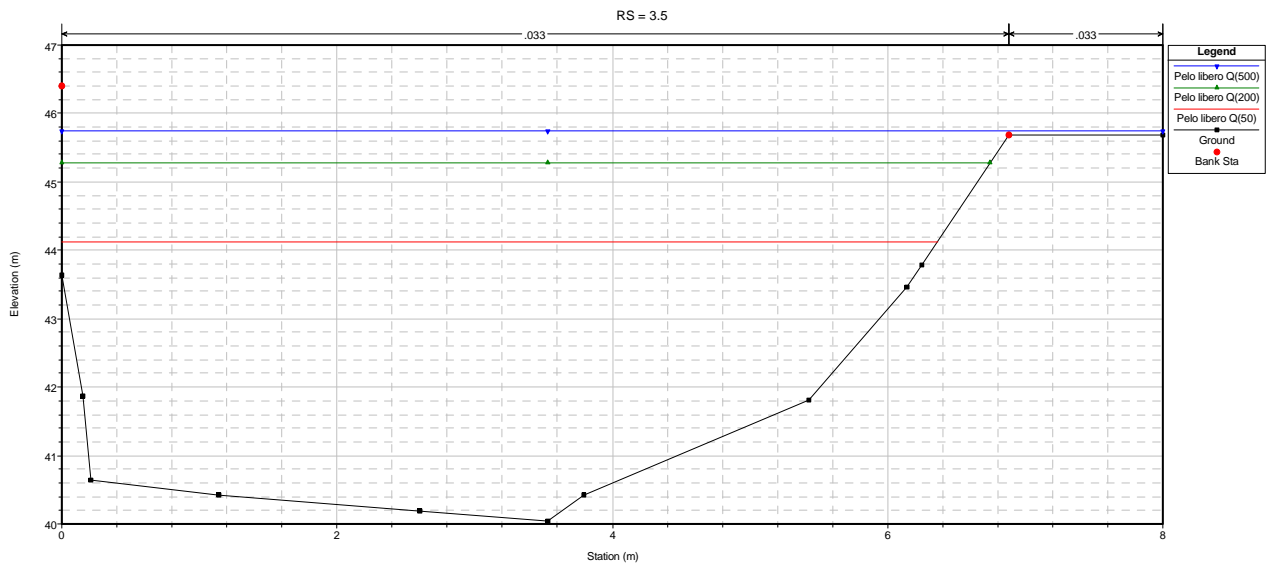
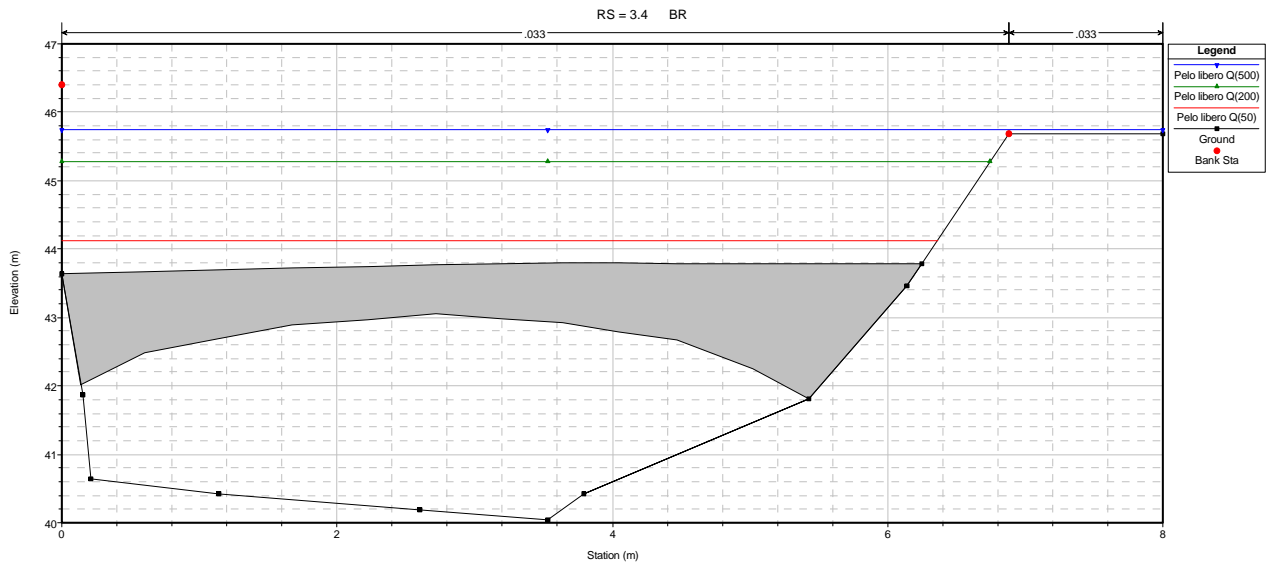
Dalla sez. 1 alla sez. 12.5

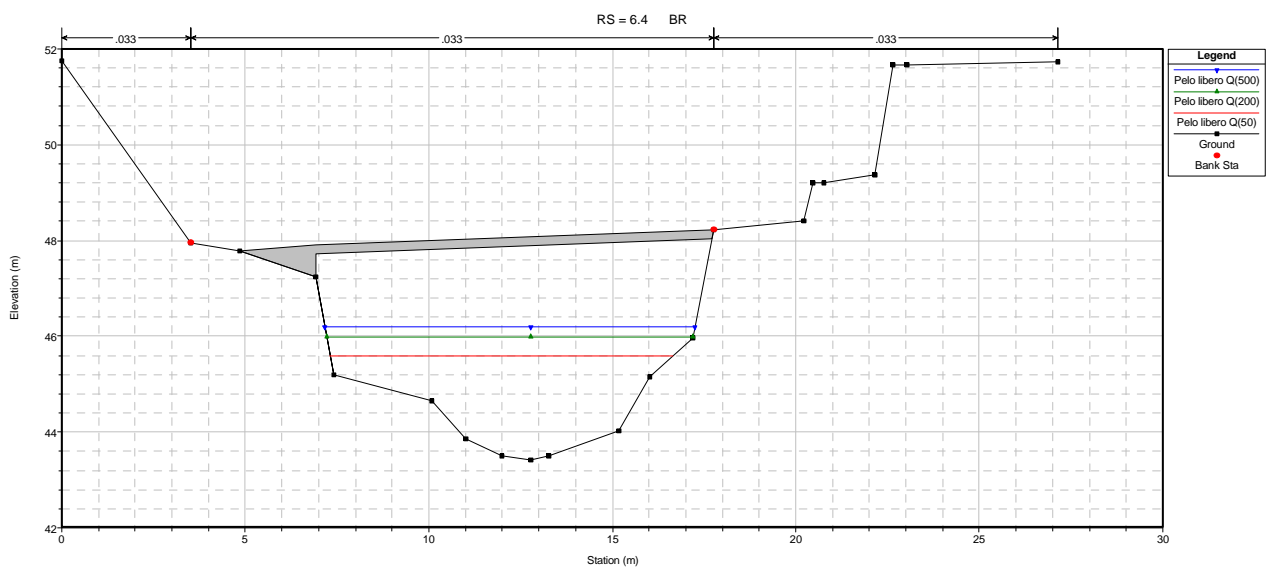
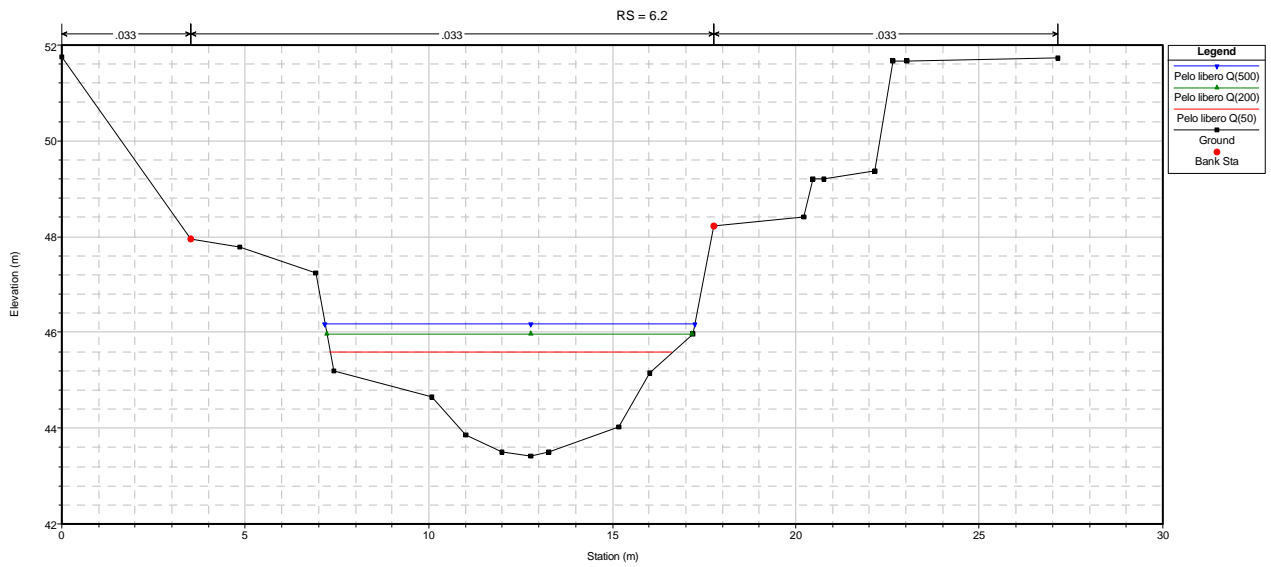
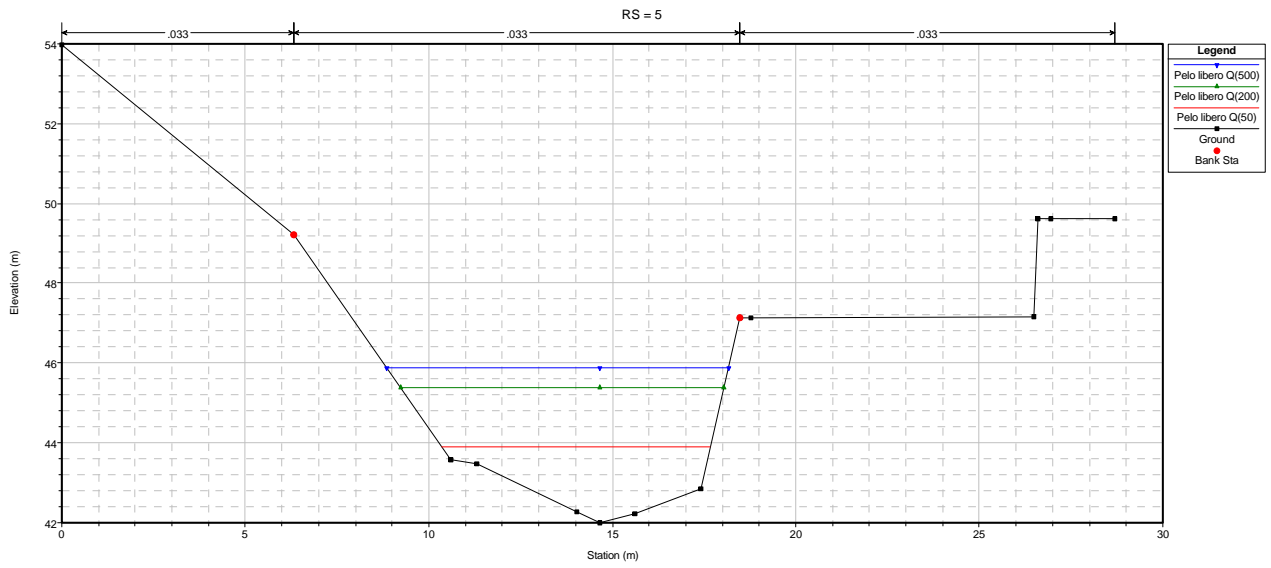
RIO BELLANDI

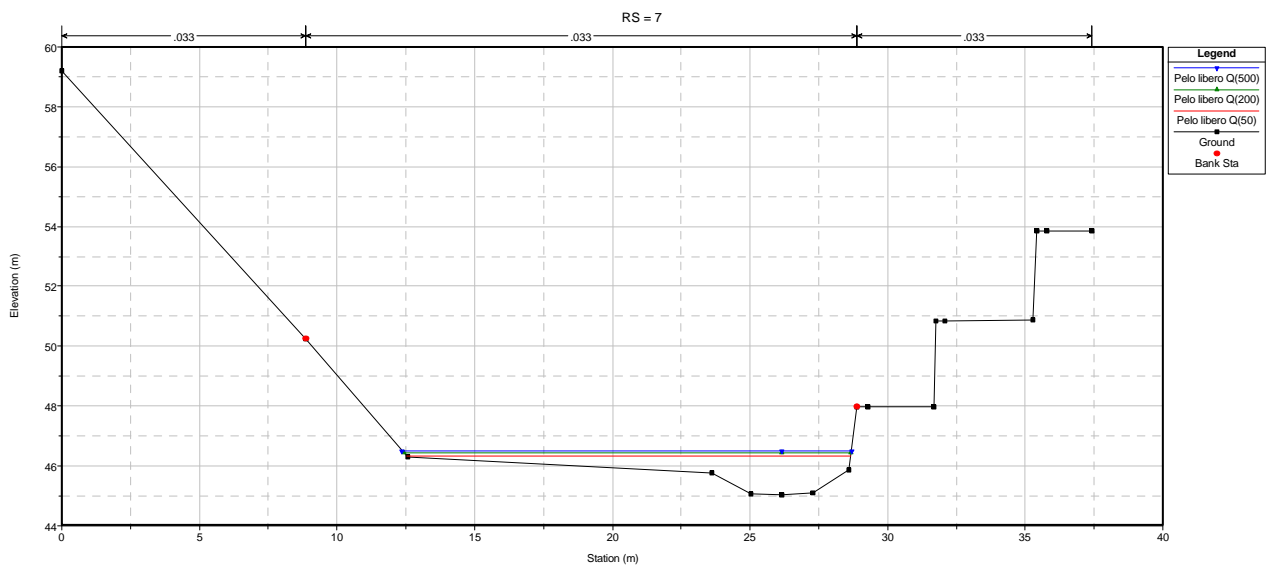
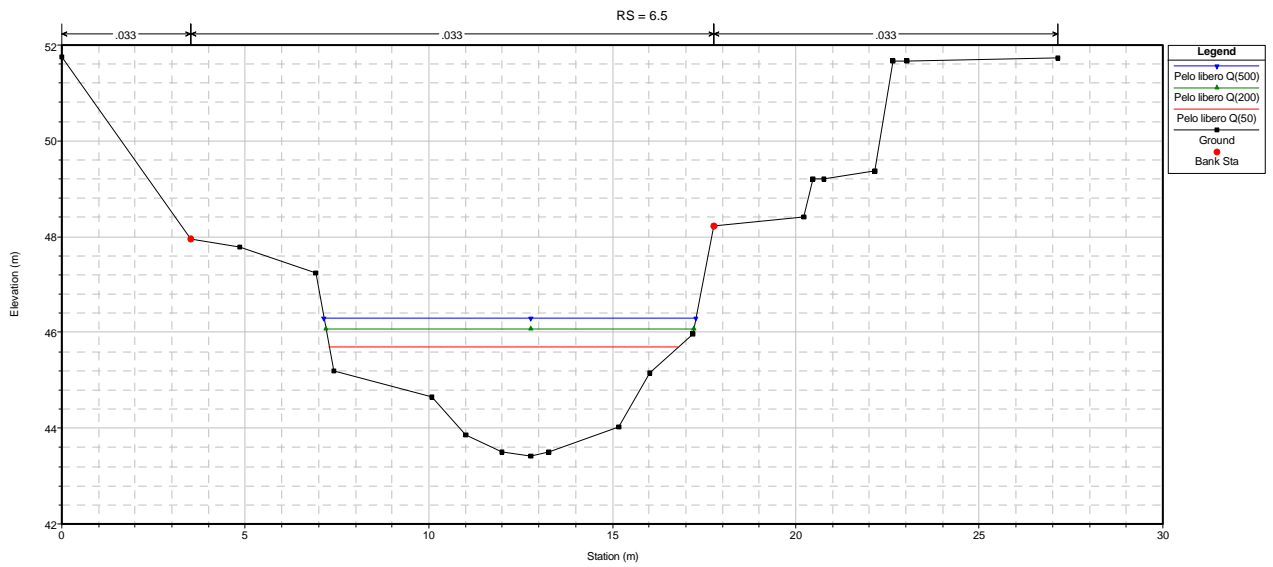
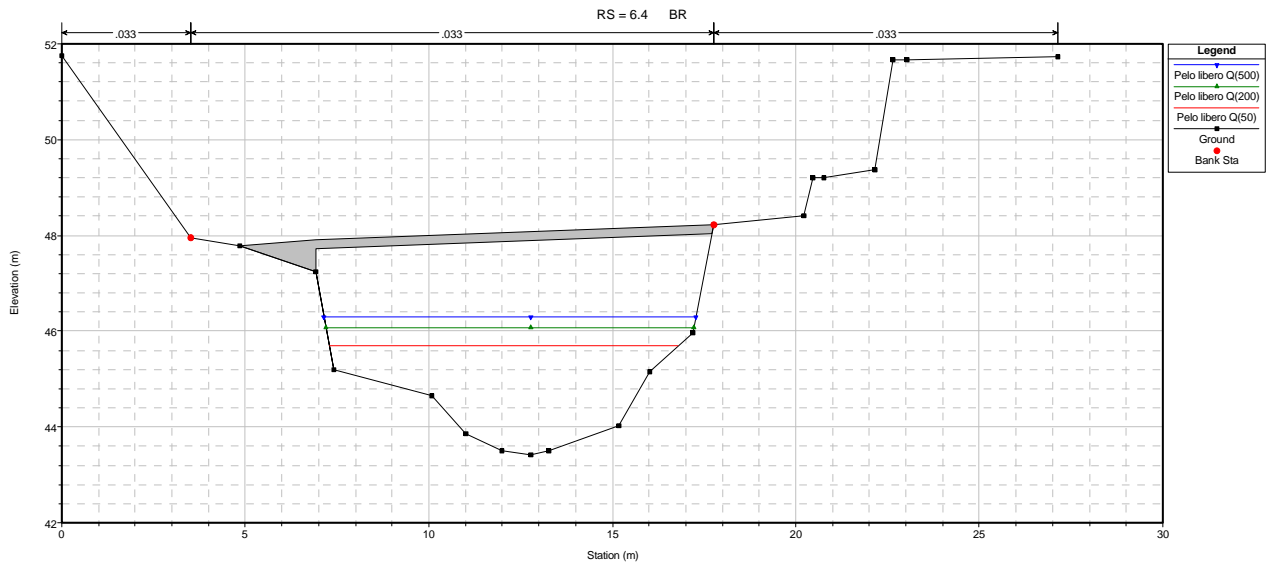
Sezioni trasversali

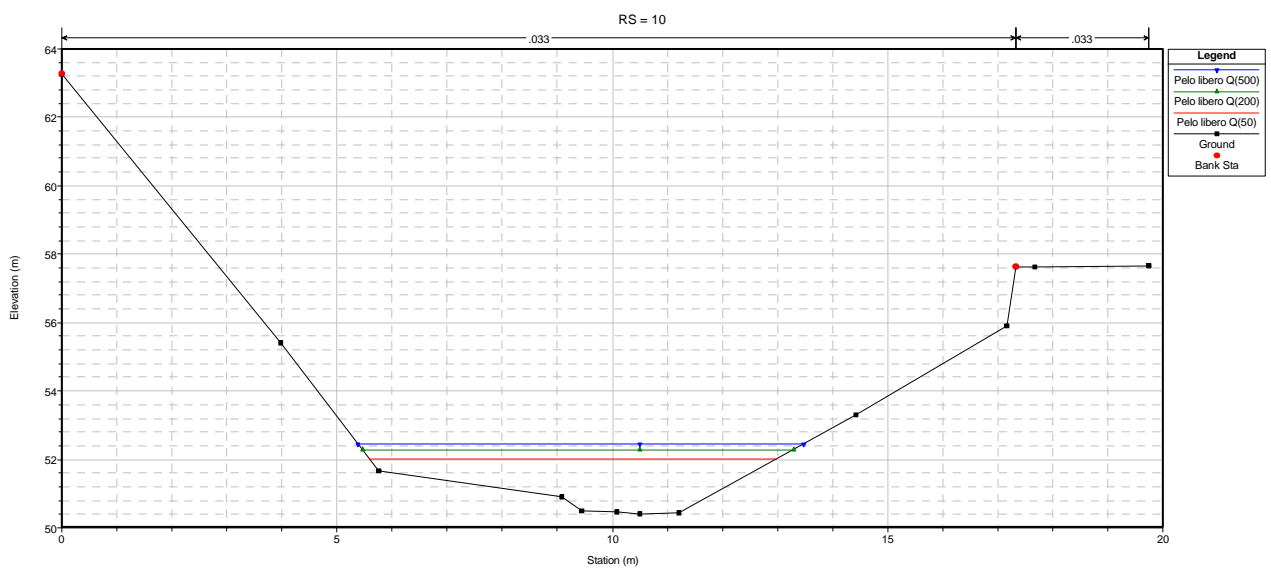
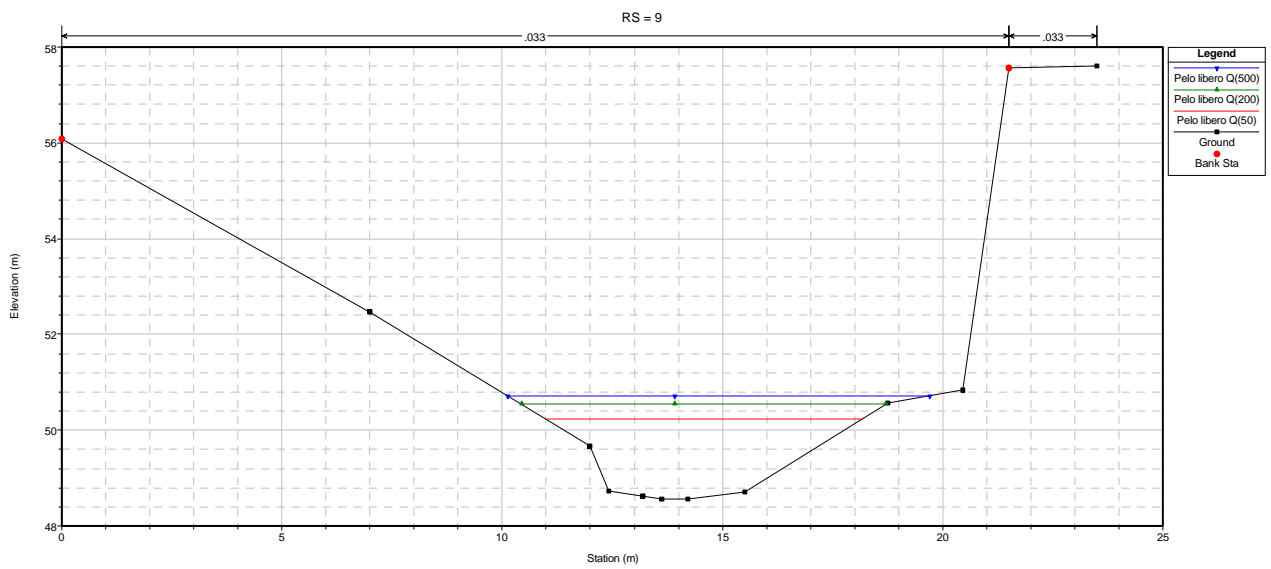
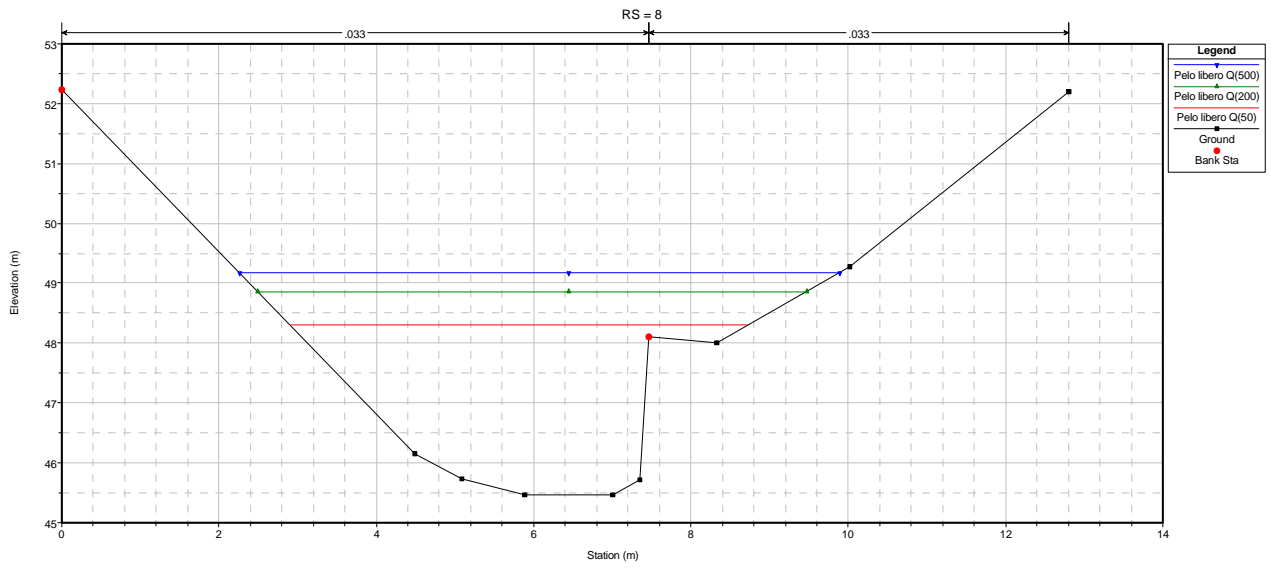


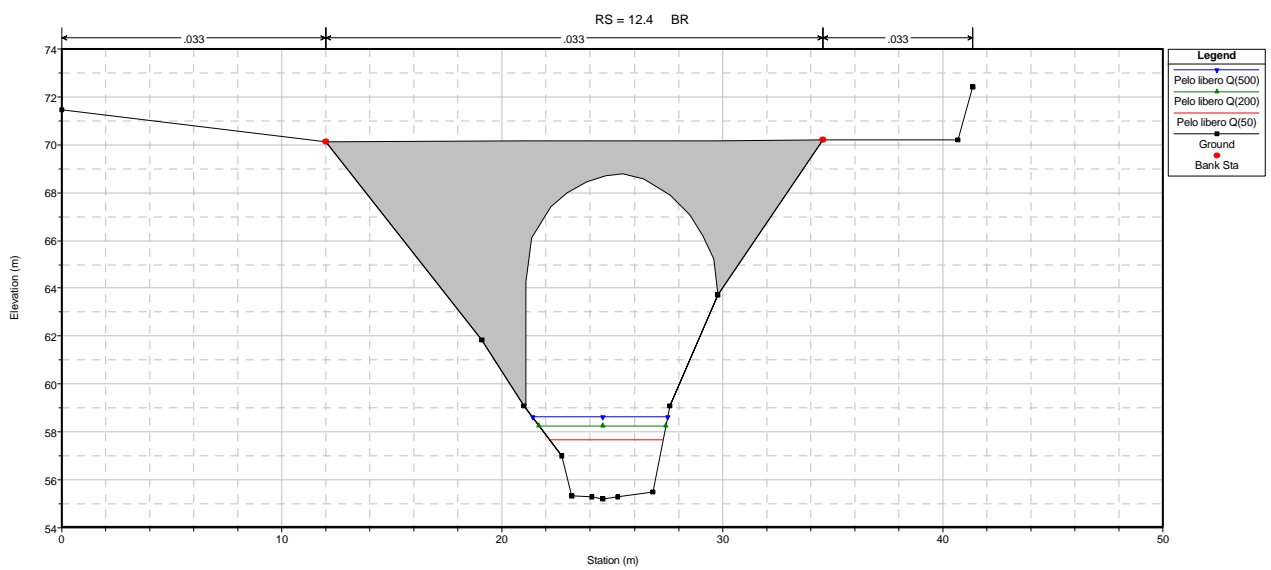
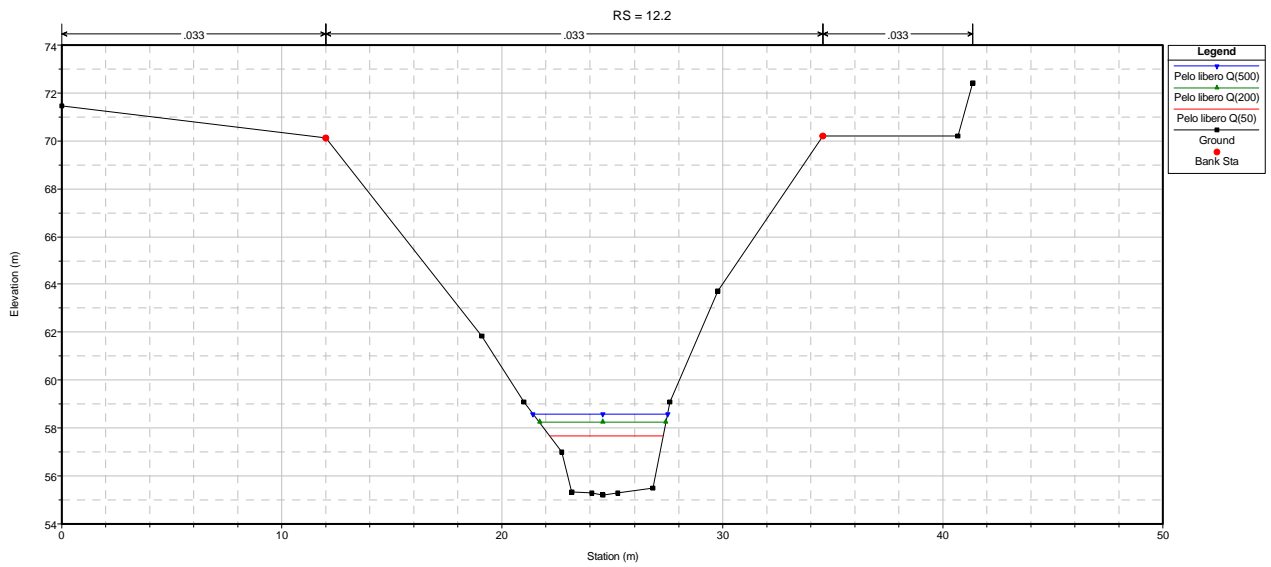
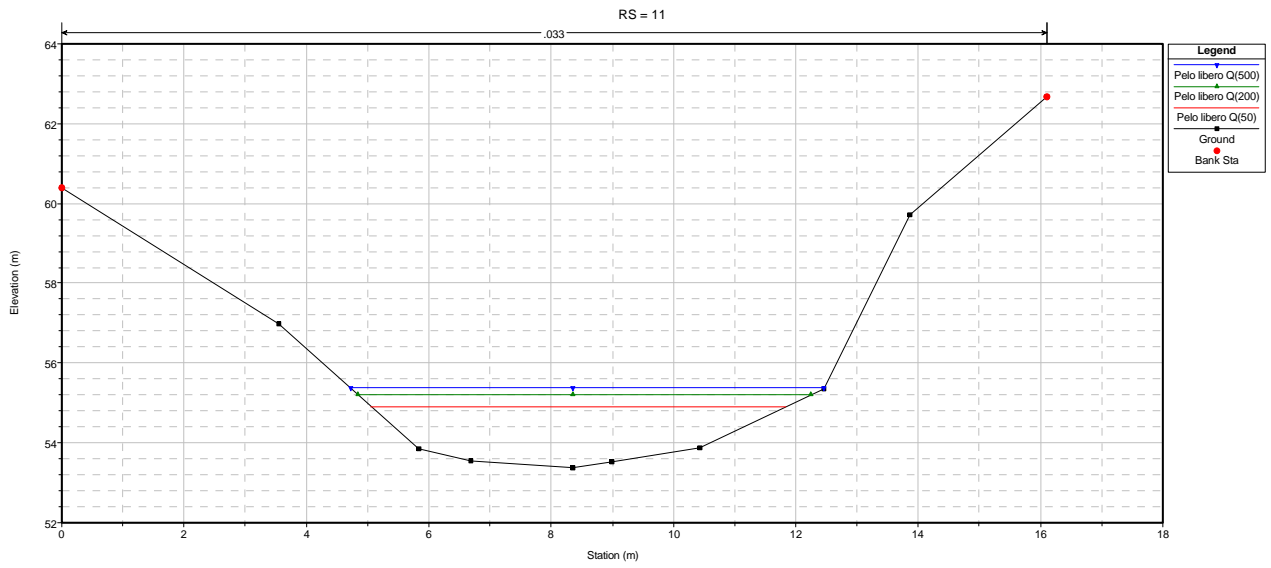


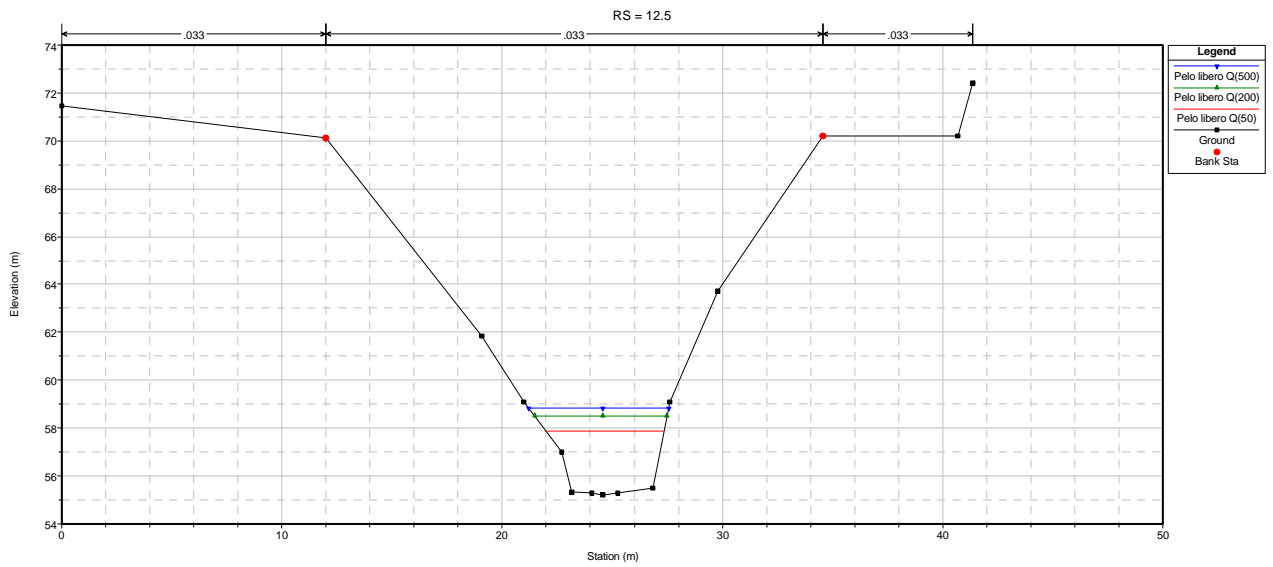
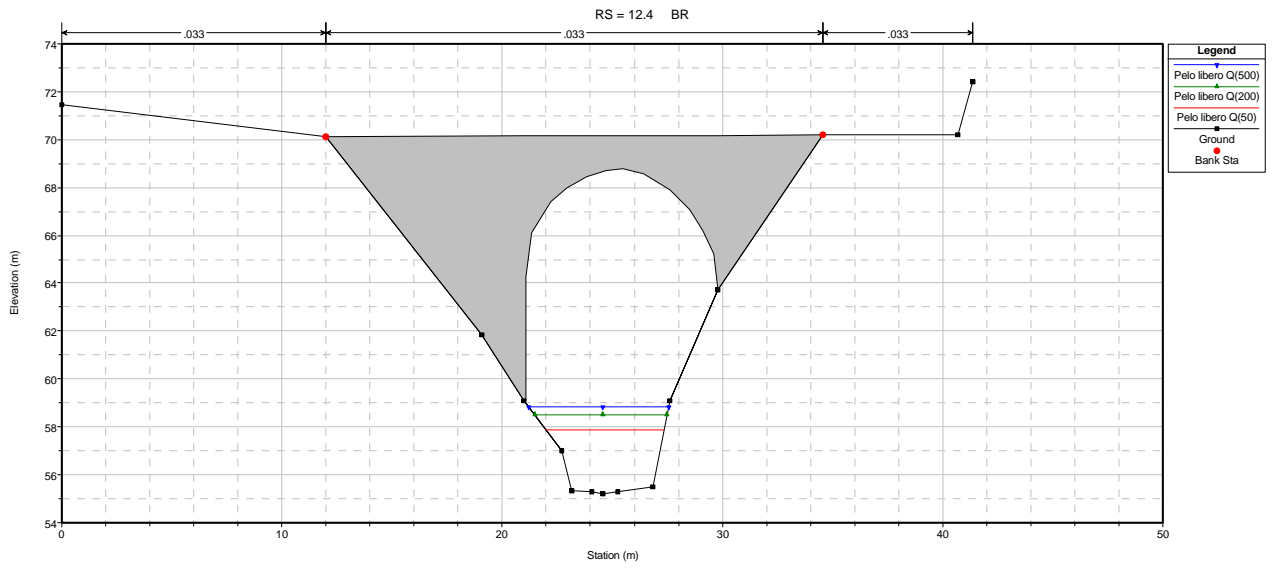












**TABELLE DELLE GRANDEZZE
IDRAULICHE SIGNIFICATIVE**

PER LE PORTATE

T=50, 200, 500 ANNI

RIO BELLANDI

Dalla sez. 1 alla sez. 12.5

Rio Bellandi T=50 anni										
Sezioni	Portata totale (m ³ /s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m)	Velocità (m/s)	Area bagnata (m ²)	N° Froude
12.5	43	55.23	70.12	70.21	57.88	57.66	58.65	3.89	11.06	0.86
12.4	Bridge									
12.2	43	55.23	70.12	70.21	57.66	57.66	58.62	4.35	9.89	1
11	43	53.39	60.38	62.66	54.91	55.48	56.72	5.97	7.2	1.85
10	43	50.42	63.27	57.62	52.02	52.59	53.89	6.07	7.08	1.98
9	43	48.57	56.08	57.56	50.23	50.8	51.84	5.62	7.66	1.73
8	43	45.46	52.24	48.11	48.3	48.39	49.31	4.48	9.79	0.99
7	43	45.04	50.23	47.97	46.34	46.7	47.55	4.88	8.81	2.11
6.5	43	43.41	47.94	48.23	45.69	45.57	46.24	3.3	13.04	0.9
6.4	Bridge									
6.2	43	43.41	47.94	48.23	45.58	45.58	46.23	3.57	12.05	1
5	43	42	49.21	47.14	43.9	44.28	45.22	5.1	8.43	1.52
4	43	41.25	47.71	46.73	44.28	43.53	44.58	2.45	17.54	0.54
3.5	43	40.04	46.4	45.68	44.12	42.48	44.35	2.14	20.06	0.39
3.4	Bridge									
3.2	43	40	43.53	43.72	42.58	42.12	43.23	3.58	12.02	0.73
2	43	40	43.53	43.72	42.58	42.12	43.23	3.58	12.02	0.73
1.5	Bridge									
1	43	38.77	42.37	42.58	41.97	40.89	42.38	2.84	15.15	0.52
0.5	43	38.77	41.06	41.94	42.21	40.49	42.28	1.15	38.05	0.24
Rio Bellandi T=200 anni										
Sezioni	Portata totale (m ³ /s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m ²)	Velocità (m/s)	Area bagnata (m ²)	N° Froude
12.5	62	55.23	70.12	70.21	58.49	58.24	59.42	4.27	14.53	0.88
12.4	Bridge									
12.2	62	55.23	70.12	70.21	58.24	58.24	59.39	4.74	13.07	1
11	62	53.39	60.38	62.66	55.2	55.9	57.48	6.69	9.26	1.91
10	62	50.42	63.27	57.62	52.29	53	54.62	6.76	9.17	1.99
9	62	48.57	56.08	57.56	50.55	51.16	52.48	6.16	10.07	1.78
8	62	45.46	52.24	48.11	48.86	49	50.01	4.84	13.39	0.99
7	62	45.04	50.23	47.97	46.44	46.94	48.25	5.97	10.39	2.38
6.5	62	43.41	47.94	48.23	46.08	45.96	46.77	3.68	16.85	0.91
6.4	Bridge									
6.2	62	43.41	47.94	48.23	45.96	45.96	46.76	3.95	15.71	1
5	62	42	49.21	47.14	45.37	44.7	45.85	3.05	20.3	0.64
4	62	41.25	47.71	46.73	45.42	43.93	45.68	2.27	27.26	0.41
3.5	62	40.04	46.4	45.68	45.27	43	45.53	2.25	27.59	0.35
3.4	Bridge									
3.2	62	40	43.53	43.72	44.52	42.66	44.9	2.77	23.24	0.42
2	62	40	43.53	43.72	44.52	42.66	44.9	2.77	23.24	0.42
1.5	Bridge									
1	62	38.77	42.37	42.58	41.69	41.43	42.73	4.51	13.74	0.87
0.5	62	38.77	41.06	41.94	42.32	40.98	42.45	1.57	40.05	0.32
Rio Bellandi T=500 anni										
Sezioni	Portata totale (m ³ /s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m ²)	Velocità (m/s)	Area bagnata (m ²)	N° Froude
12.5	75	55.23	70.12	70.21	58.85	58.6	59.87	4.47	16.77	0.88
12.4	Bridge									
12.2	75	55.23	70.12	70.21	58.6	58.6	59.84	4.94	15.18	1
11	75	53.39	60.38	62.66	55.37	56.16	57.93	7.09	10.58	1.93
10	75	50.42	63.27	57.62	52.46	53.25	55.05	7.13	10.52	2
9	75	48.57	56.08	57.56	50.72	51.38	52.84	6.45	11.63	1.87
8	75	45.46	52.24	48.11	49.17	49.33	50.41	5.04	15.65	0.99
7	75	45.04	50.23	47.97	46.5	47.1	48.69	6.55	11.46	2.49
6.5	75	43.41	47.94	48.23	46.3	46.18	47.09	3.92	19.13	0.91
6.4	Bridge									
6.2	75	43.41	47.94	48.23	46.18	46.18	47.08	4.19	17.92	1
5	75	42	49.21	47.14	45.88	44.97	46.34	3.01	24.9	0.59
4	75	41.25	47.71	46.73	45.91	44.18	46.2	2.37	31.61	0.4
3.5	75	40.04	46.4	45.68	45.74	43.32	46.04	2.44	30.83	0.37
3.4	Bridge									
3.2	75	40	43.53	43.72	44.92	43.01	45.36	3	26.05	0.44
2	75	40	43.53	43.72	44.92	43	45.36	3	26.05	0.44
1.5	Bridge									
1	75	38.77	42.37	42.58	42.02	41.78	43.23	4.88	15.36	0.89
0.5	75	38.77	41.06	41.94	42.77	41.15	42.9	1.59	48.27	0.3