COMUNE DI S. VITO AL TAGLIAMENTO
(Provincia di Pordenone)

STUDIO GEOLOGICO-TECNICO DEL TERRITORIO COMUNALE

relativo al P.R.G.C. variante di revisione in adeguamento alla L.R. 52/91

Allegato 2
Verifiche Idrauliche

Allegato 3
Indagini geognostiche e di laboratorio

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33030 VARMO (UD) via Roma, 21
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Allegato 2

Verifiche idrauliche

Canale Roia
Roggia Mussolera - Roggia di Gleris
Fosse di S.Vito
Roggia Versa
Roggia Mussa - Fiume Sestian
Roggia Selvata
Roggia del Molino
Rio Del Lin

Rilievo schematico di alcuni ponti e manufatti

Dr. Maurizio Pivetta
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Allegato 2

Verifiche idrauliche

Canale Roia

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CANALE ROIA

Tempo di ritorno 10 anni

Sezione n°	D (m)	Q (mc/s)	Z (m)	H (m)	V (m/s)	Fr
1.1		7.50	23.40	24.13	2.35	1.00
1.2	10	7.50	23.40	24.25	1.91	0.76
1.25	Bridge					
1.3	0.5	7.50	23.40	24.29	1.80	0.71
1.4	10	7.50	23.40	24.32	1.73	0.67
3	1770	7.50	27.60	28.35	1.93	0.89
4.1	380	7.50	28.18	28.95	1.66	0.69
4.2	10	7.50	28.20	28.96	1.68	0.70
4.25	Bridge					
4.3	0.5	7.50	28.20	29.11	1.33	0.51
4.4	15	7.50	28.25	29.11	1.43	0.56
5	400	7.50	28.53	29.50	1.58	0.63
6	550	7.50	29.00	29.90	1.06	0.39
7	300	7.50	29.07	30.01	0.94	0.34
8.1	300	7.50	30.45	31.02	2.19	1.01
8.2	10	7.50	30.45	31.18	1.47	0.55
8.25	Culvert					
8.3	9	7.50	30.45	31.52	1.00	0.31
8.4	10	7.50	30.45	31.53	1.00	0.35
8.57*	240	7.50	30.71	31.58	1.38	0.53
9	650	7.50	31.36	32.15	1.87	0.76
10.1	590	7.50	32.41	33.11	1.89	0.75
10.2	10	6.67	32.22	33.30	0.63	0.20
10.25	Culvert					
10.3	10	6.67	32.22	33.32	0.61	0.19
10.4	10	6.67	32.22	33.32	0.72	0.24
11.1	300	6.67	33.13	33.59	3.22	1.69
11.2	5	6.67	33.23	33.84	2.47	1.00
11.25	Culvert					
11.3	6	6.67	33.23	34.30	1.42	0.44
11.4	5	6.67	33.13	34.36	0.92	0.30
12	650	6.67	34.13	34.82	1.37	0.63
13	150	6.67	34.37	35.02	1.31	0.60
14	300	6.67	34.60	35.72	3.31	1.00
15.5	Culvert					
16	530	1.29	36.38	36.77	1.96	1.00
17	210	1.29	37.17	37.46	1.38	0.93

D: distanza dalla sezione precedente
Q: portata in mc/s
Z: quota del fondo del canale in m. slm
H: quota della lama d'acqua in m. slm
V: velocità del flusso in m/s
Fr: numero di Froude

CANALE ROIA

Tempo di ritorno 30 anni

Sezione n°	D (m)	Q (mc/s)	Z (m)	H (m)	V (m/s)	Fr
1.1		8.90	23.40	24.21	2.44	1.00
1.2	10	8.90	23.40	24.34	1.99	0.77
1.25	Bridge					
1.3	0.5	8.90	23.40	24.38	1.89	0.72
1.4	10	8.90	23.40	24.41	1.81	0.68
3	1770	8.90	27.60	28.41	2.02	0.90
4.1	380	8.90	28.18	29.01	1.76	0.70
4.2	10	8.90	28.20	29.03	1.79	0.71
4.25	Bridge					
4.3	0.5	8.90	28.20	29.20	1.40	0.51
4.4	15	8.90	28.25	29.20	1.49	0.55
5	400	8.90	28.53	29.58	1.66	0.64
6	550	8.90	29.00	29.99	1.12	0.39
7	300	8.90	29.07	30.10	1.00	0.35
8.1	300	8.90	30.45	31.08	2.29	1.01
8.2	10	8.90	30.45	31.24	1.60	0.57
8.25	Culvert					
8.3	9	8.90	30.45	31.63	1.07	0.32
8.4	10	8.90	30.45	31.64	1.02	0.35
8.57*	240	8.90	30.71	31.69	1.41	0.51
9	650	8.90	31.36	32.23	1.97	0.77
10.1	590	8.90	32.41	33.19	2.01	0.76
10.2	10	7.87	32.22	33.39	0.68	0.20
10.25	Culvert					
10.3	10	7.87	32.22	33.43	0.66	0.19
10.4	10	7.87	32.22	33.42	0.77	0.24
11.1	300	7.87	33.13	33.64	3.40	1.70
11.2	5	7.87	33.23	33.92	2.60	1.00
11.25	Culvert					
11.3	6	7.87	33.23	34.24	1.77	0.56
11.4	5	7.87	33.13	34.35	1.10	0.37
12	650	7.87	34.13	34.88	1.44	0.62
13	150	7.87	34.37	35.08	1.38	0.60
14	300	7.87	34.60	35.85	3.49	1.00
15.5	Culvert					
16	530	1.59	36.38	36.83	2.11	1.01
17	210	1.59	37.17	37.49	1.50	0.97

D: distanza dalla sezione precedente
Q: portata in mc/s
Z: quota del fondo del canale in m. slm
H: quota della lama d'acqua in m. slm
V: velocità del flusso in m/s
Fr: numero di Froude

CANALE ROIA

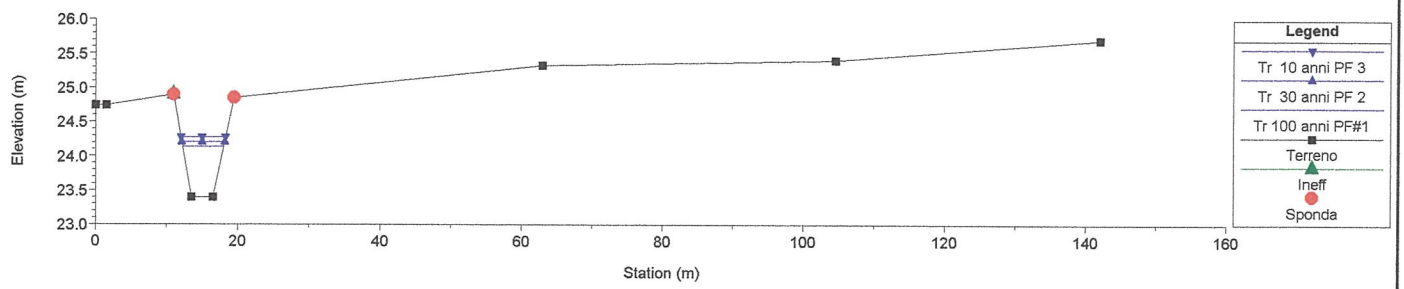
Tempo di ritorno 100 anni

Sezione n°	D (m)	Q (mc/s)	Z (m)	H (m)	V (m/s)	Fr
1.1		10.20	23.40	24.27	2.53	1.00
1.2	10	10.20	23.40	24.41	2.07	0.77
1.25	Bridge					
1.3	0.5	10.20	23.40	24.45	1.97	0.72
1.4	10	10.20	23.40	24.48	1.89	0.69
3	1770	10.20	27.60	28.47	2.09	0.91
4.1	380	10.20	28.18	29.07	1.86	0.71
4.2	10	10.20	28.20	29.08	1.88	0.73
4.25	Bridge					
4.3	0.5	10.20	28.20	29.77	0.91	0.25
4.4	15	10.20	28.25	29.78	0.86	0.24
5	400	10.20	28.53	29.86	1.33	0.45
6	550	10.20	29.00	30.11	1.12	0.37
7	300	10.20	29.07	30.21	1.02	0.33
8.1	300	10.20	30.45	31.13	2.38	1.01
8.2	10	10.20	30.45	31.30	1.71	0.59
8.25	Culvert					
8.3	9	10.20	30.45	31.73	1.13	0.32
8.4	10	10.20	30.45	31.75	1.03	0.34
8.57*	240	10.20	30.71	31.79	1.42	9.50
9	410	10.20	31.36	32.29	2.05	0.78
10.1	590	10.20	32.41	33.25	2.11	0.77
10.2	10	9.00	32.22	33.48	0.72	0.21
10.25	Culvert					
10.3	10	9.00	32.22	33.52	0.70	0.20
10.4	10	9.00	32.22	33.51	0.81	0.24
11.1	300	9.00	33.13	33.67	3.59	1.75
11.2	5	9.00	33.23	33.98	2.73	1.00
11.25	Culvert					
11.3	6	9.00	33.23	34.14	2.24	0.75
11.4	5	9.00	33.13	34.33	1.28	0.43
12	650	9.00	34.13	34.93	1.50	0.62
13	150	9.00	34.37	35.13	1.44	0.60
14	300	9.00	34.60	35.97	3.66	1.00
15.5	Culvert					
16	530	1.87	36.38	36.88	2.22	1.00
17	210	1.87	37.17	37.51	1.63	1.02

D: distanza dalla sezione precedente
Q: portata in mc/s
Z: quota del fondo del canale in m. slm
H: quota della lama d'acqua in m. slm
V: velocità del flusso in m/s
Fr: numero di Froude

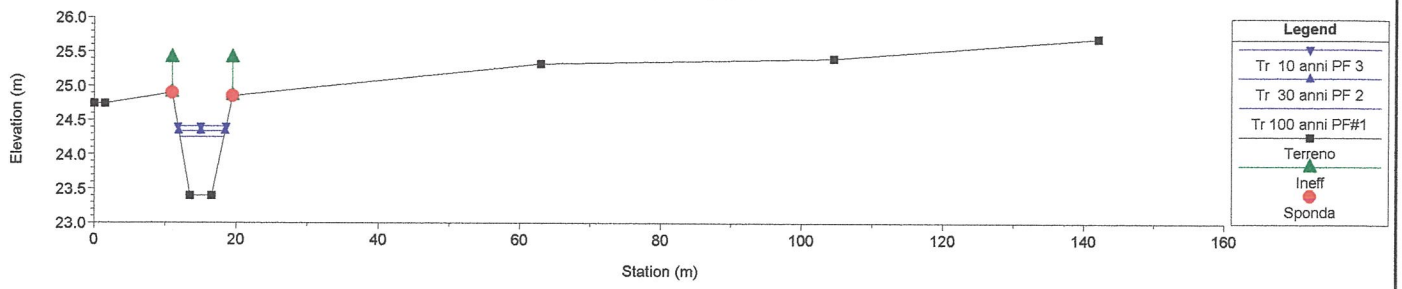
River = roia Reach = roia RS = 1.1

CANALE ROIA



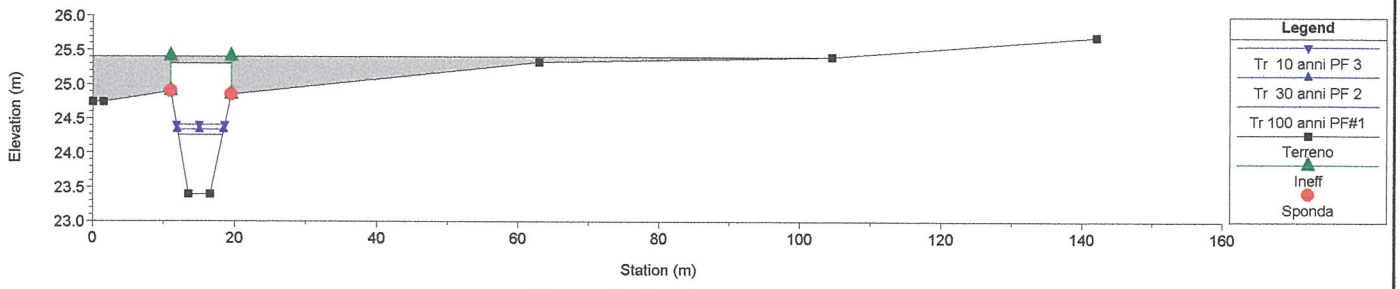
River = roia Reach = roia RS = 1.2

CANALE ROIA



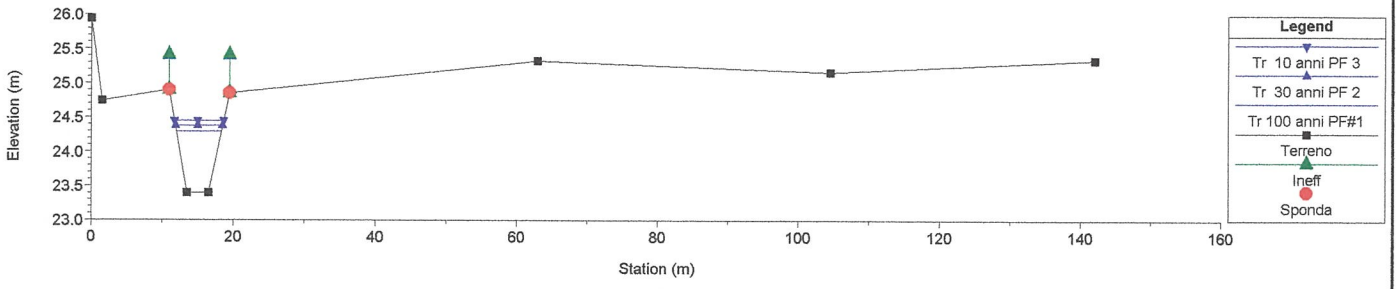
River = roia Reach = roia RS = 1.25

CANALE ROIA



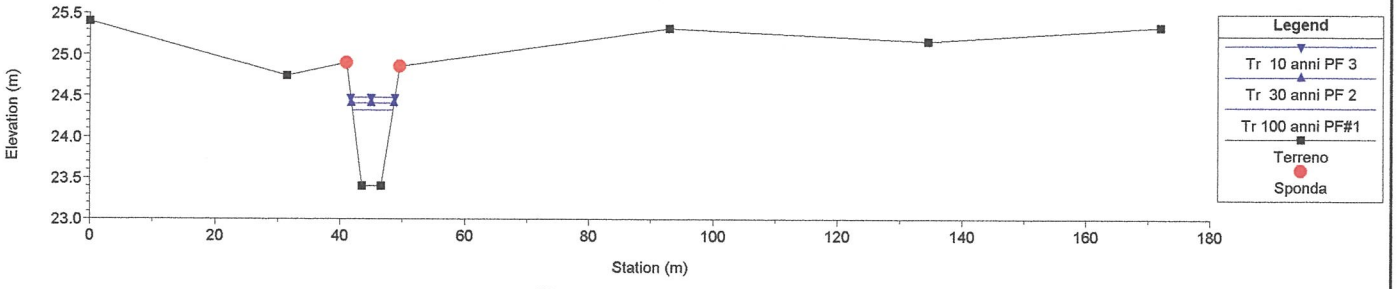
River = roia Reach = roia RS = 1.3

CANALE ROIA



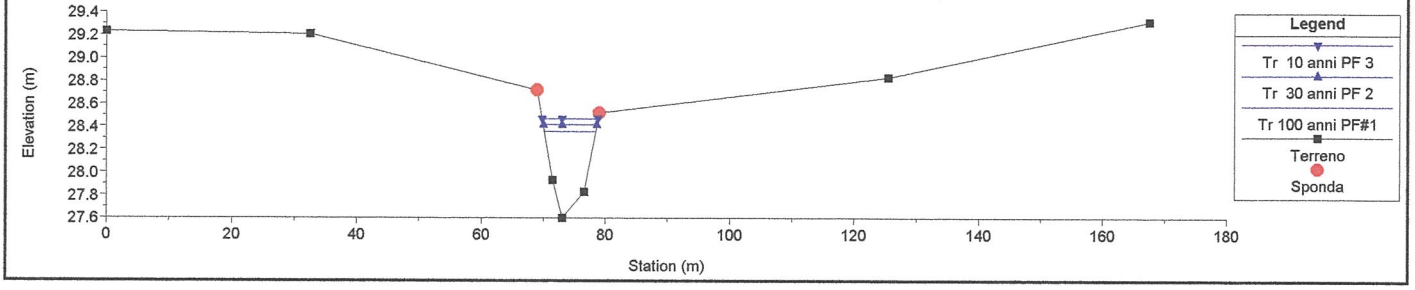
River = roia Reach = roia RS = 1.4

CANALE ROIA

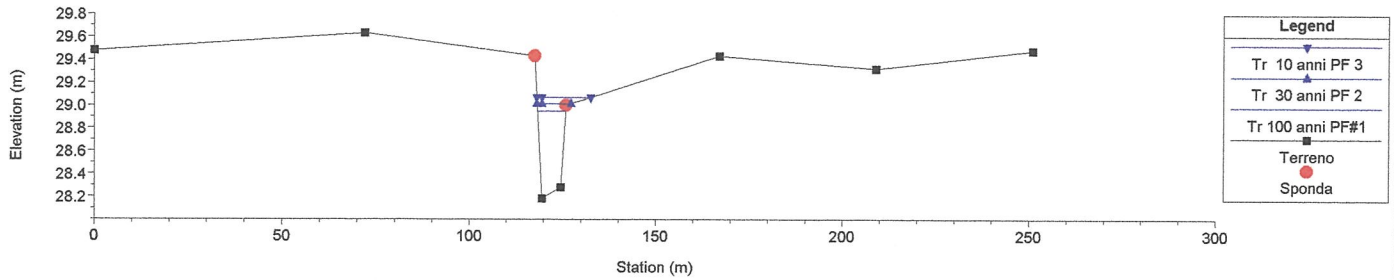


River = roia Reach = roia RS = 3

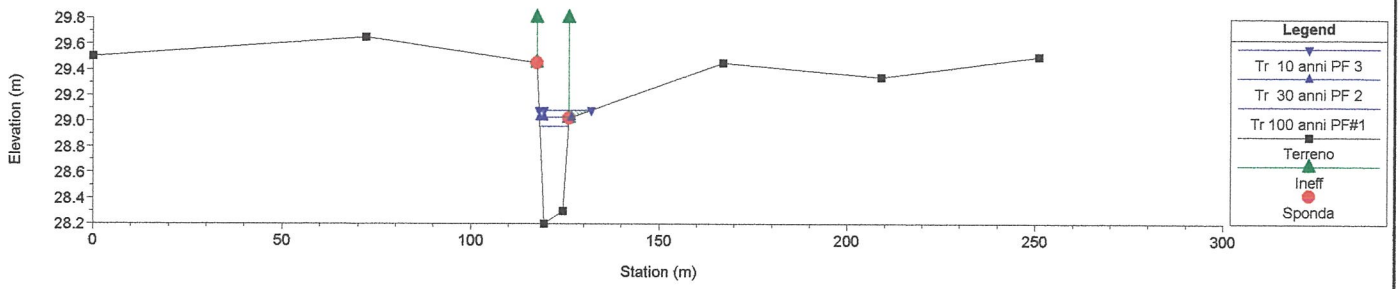
CANALE ROIA



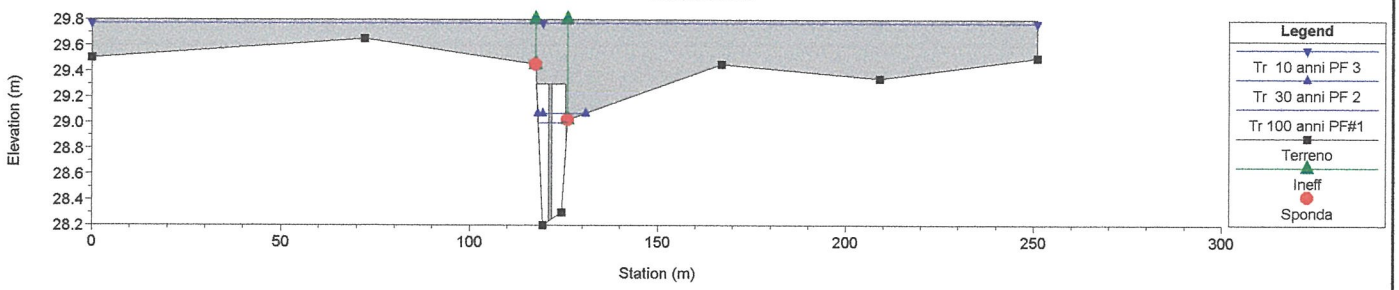
River = roia Reach = roia RS = 4.1
CANALE ROIA



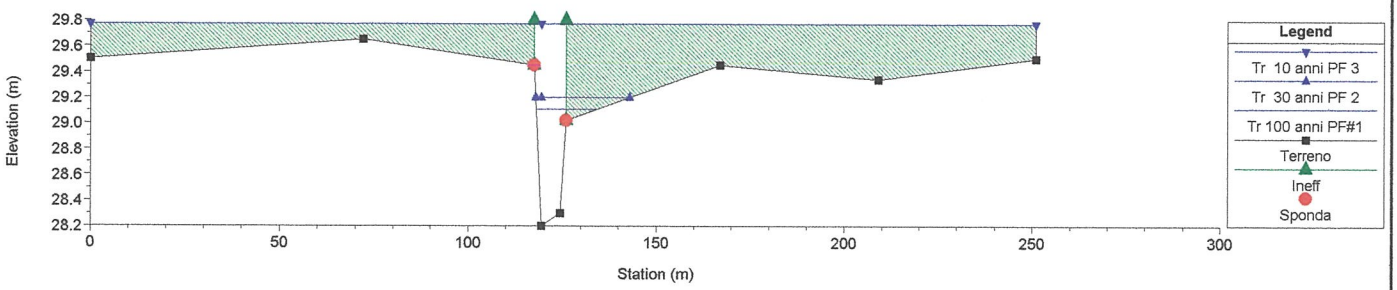
River = roia Reach = roia RS = 4.2
CANALE ROIA



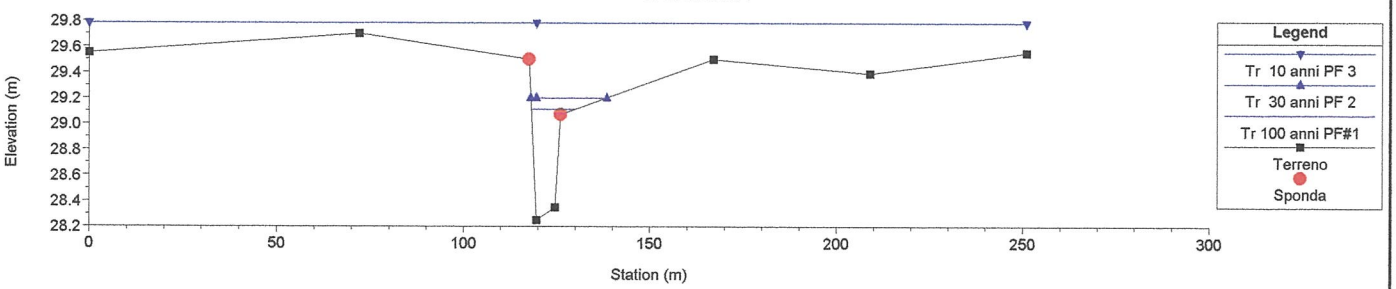
River = roia Reach = roia RS = 4.25
CANALE ROIA



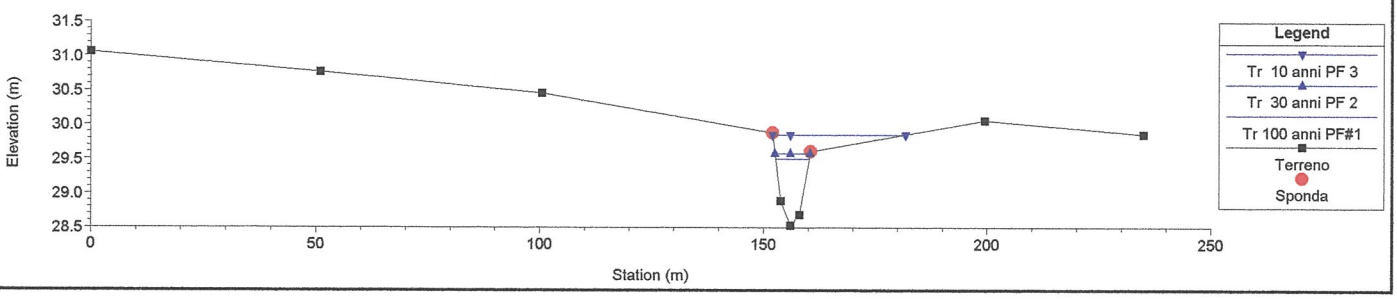
River = roia Reach = roia RS = 4.3
CANALE ROIA



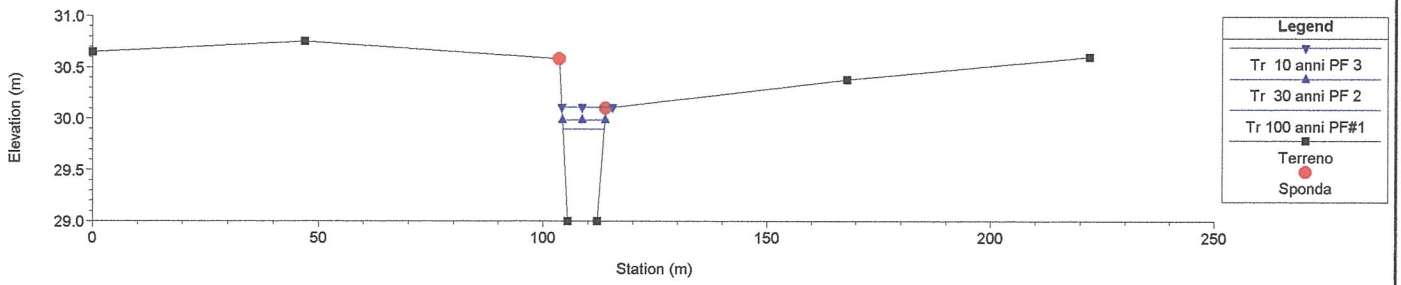
River = roia Reach = roia RS = 4.4
CANALE ROIA



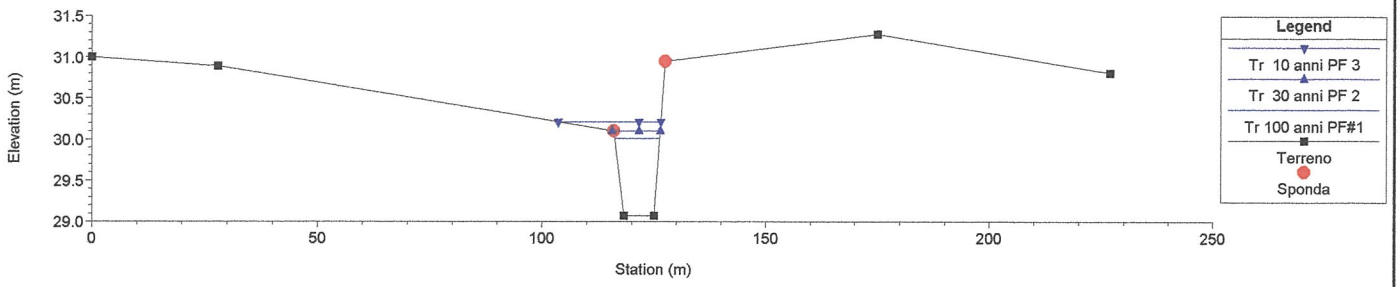
River = roia Reach = roia RS = 5
CANALE ROIA



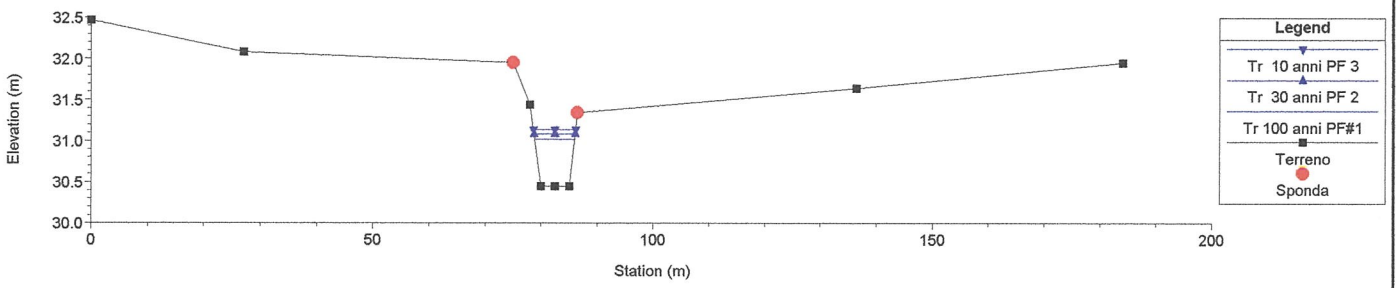
River = roia Reach = roia RS = 6
CANALE ROIA



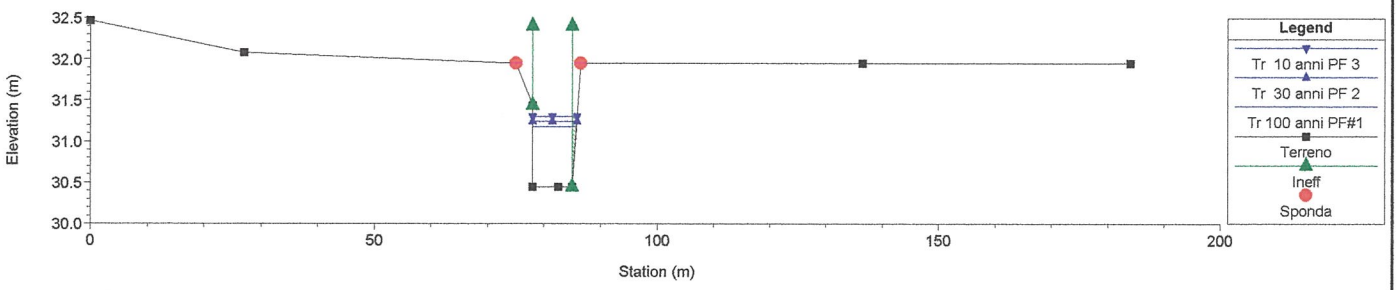
River = roia Reach = roia RS = 7
CANALE ROIA



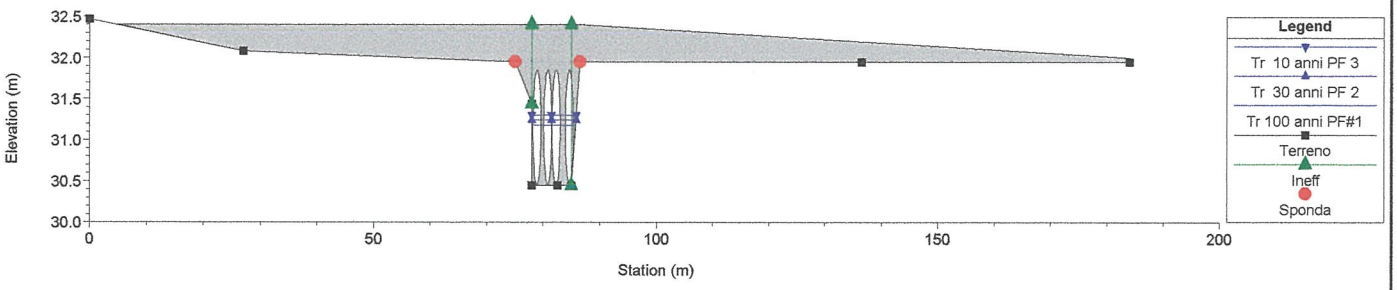
River = roia Reach = roia RS = 8.1
CANALE ROIA



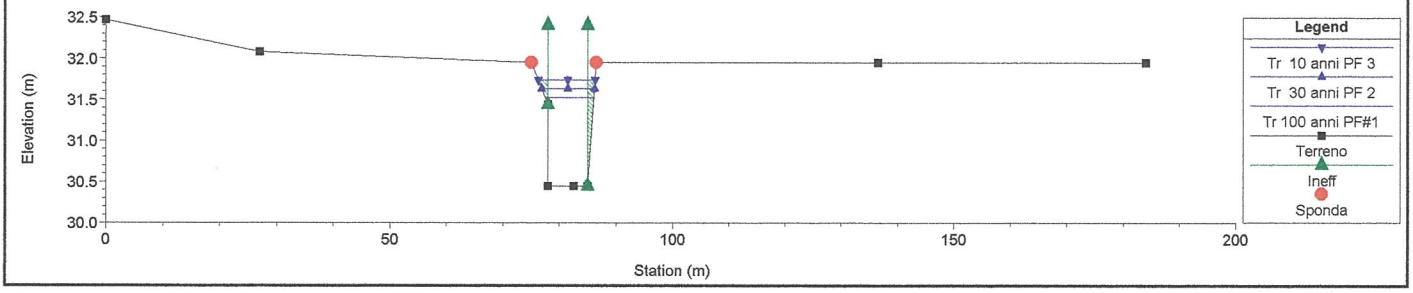
River = roia Reach = roia RS = 8.2
CANALE ROIA



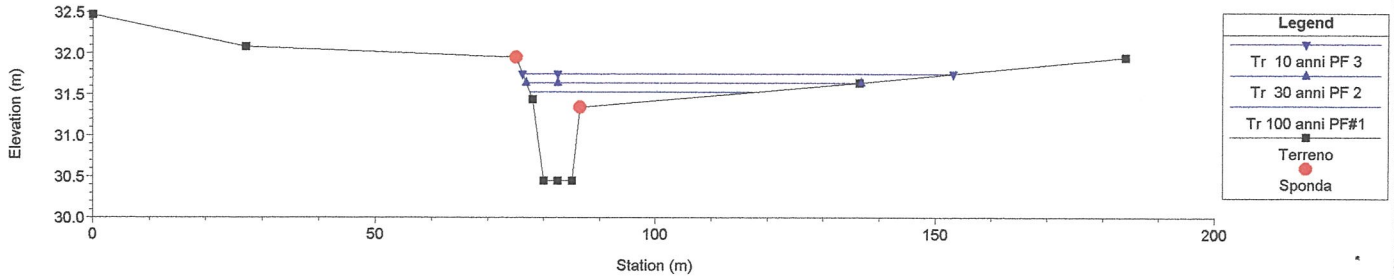
River = roia Reach = roia RS = 8.25
CANALE ROIA



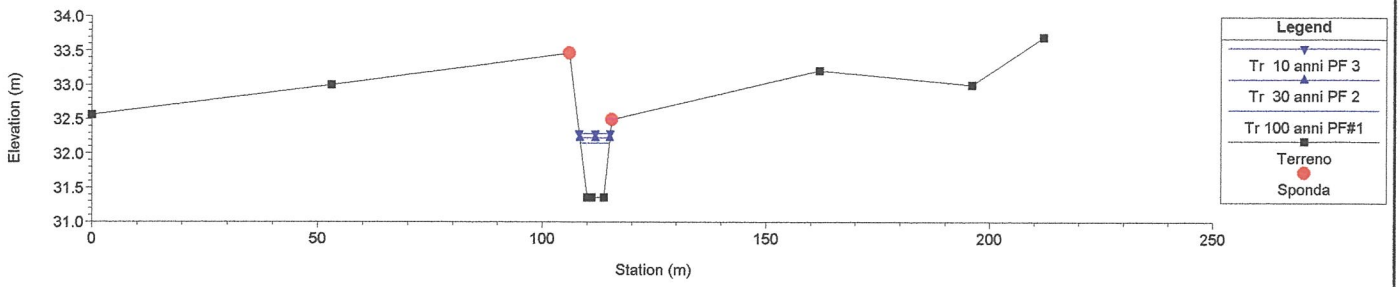
River = roia Reach = roia RS = 8.3
CANALE ROIA



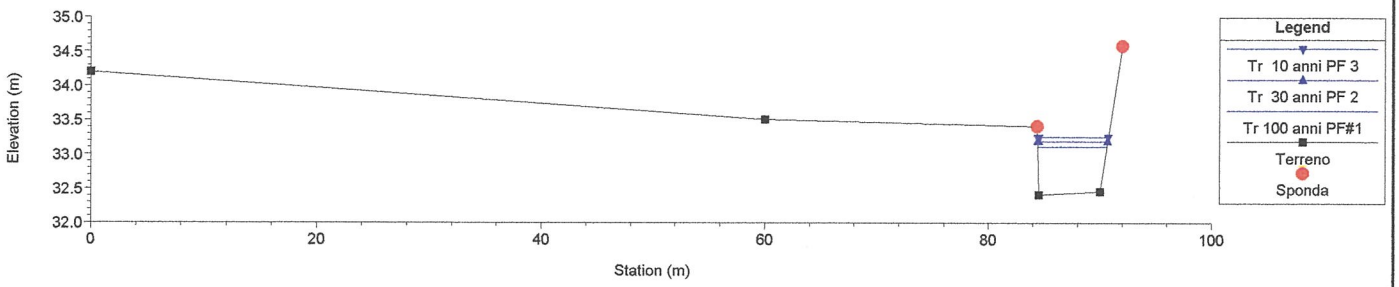
River = roia Reach = roia RS = 8.4
CANALE ROIA



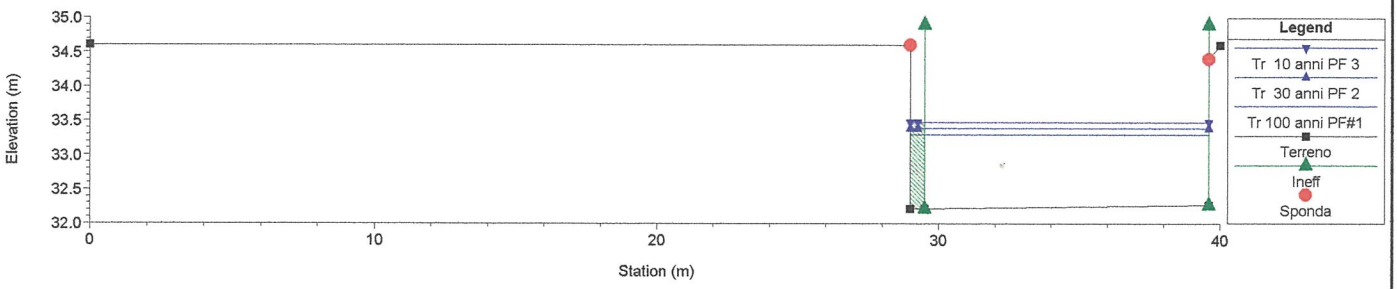
River = roia Reach = roia RS = 9
CANALE ROIA



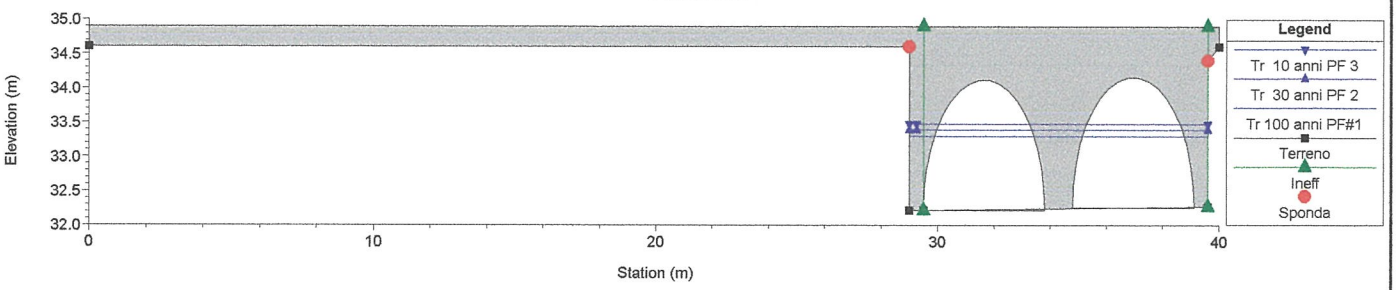
River = roia Reach = roia RS = 10.1
CANALE ROIA



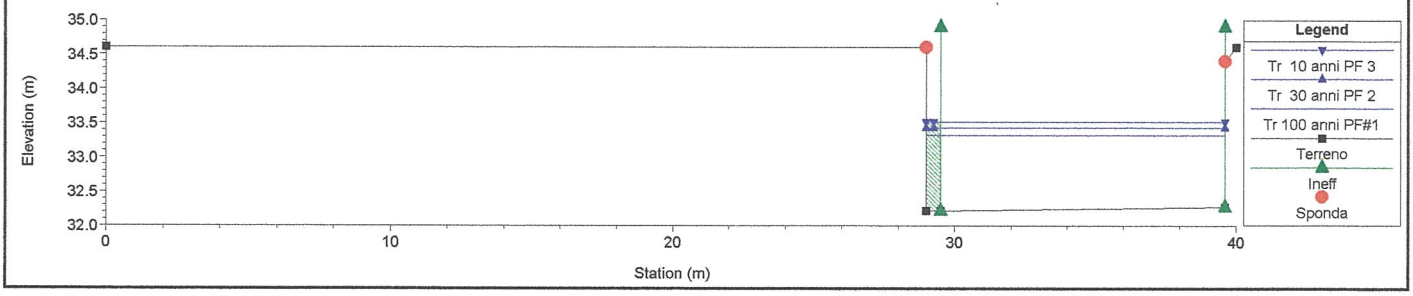
River = roia Reach = roia RS = 10.2
CANALE ROIA



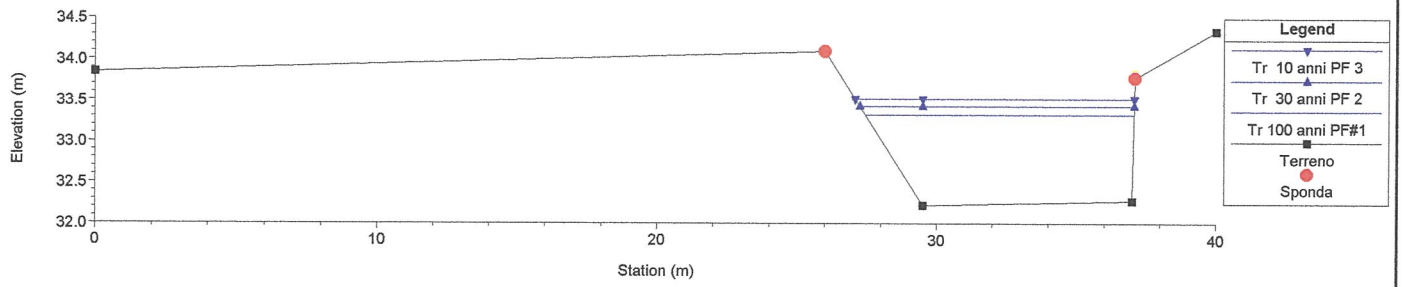
River = roia Reach = roia RS = 10.25
CANALE ROIA



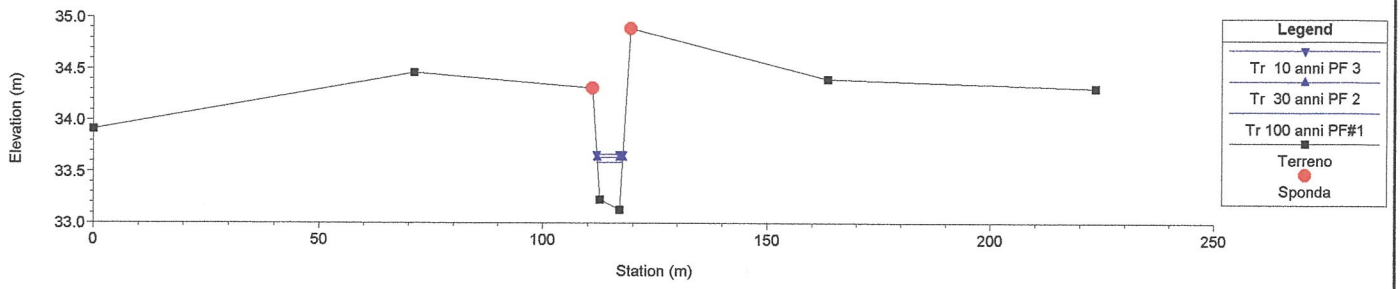
River = roia Reach = roia RS = 10.3
CANALE ROIA



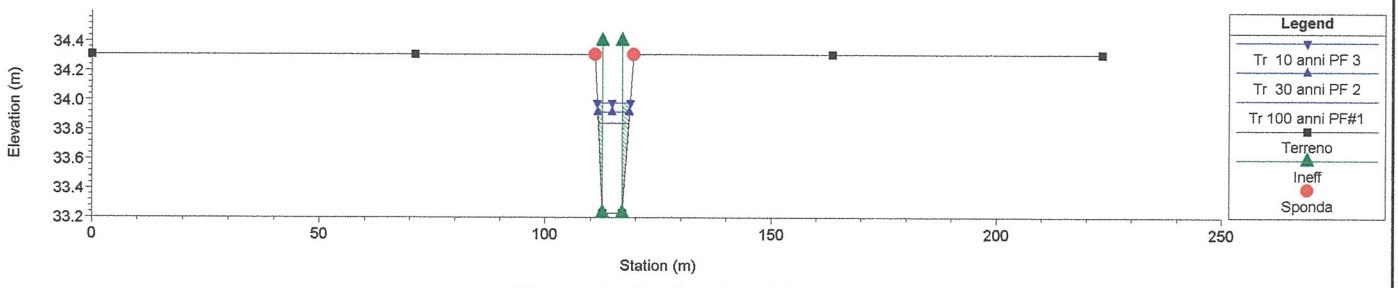
River = roia Reach = roia RS = 10.4
CANALE ROIA



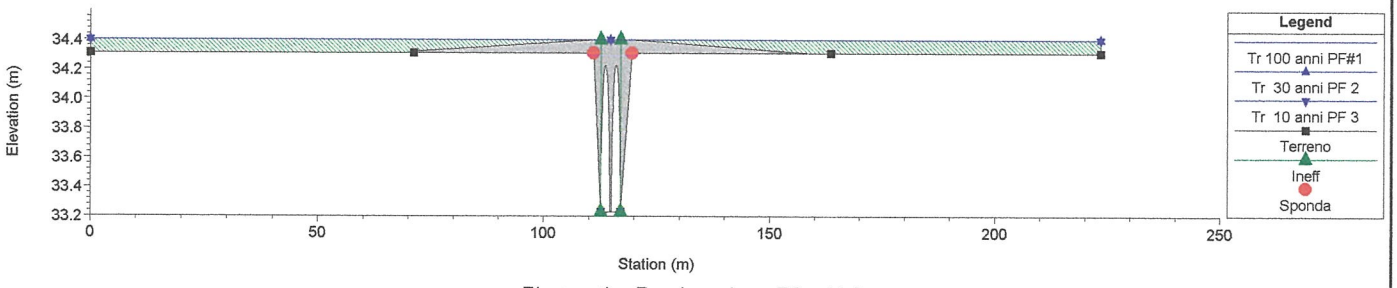
River = roia Reach = roia RS = 11.1
CANALE ROIA



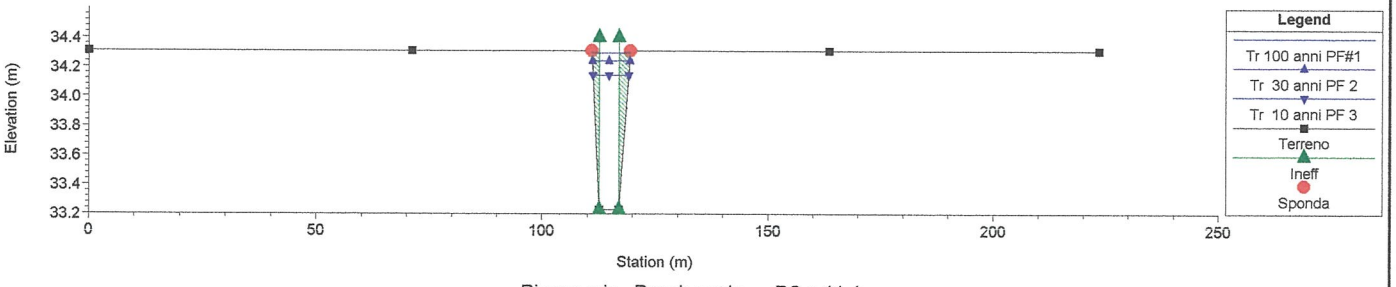
River = roia Reach = roia RS = 11.2
CANALE ROIA



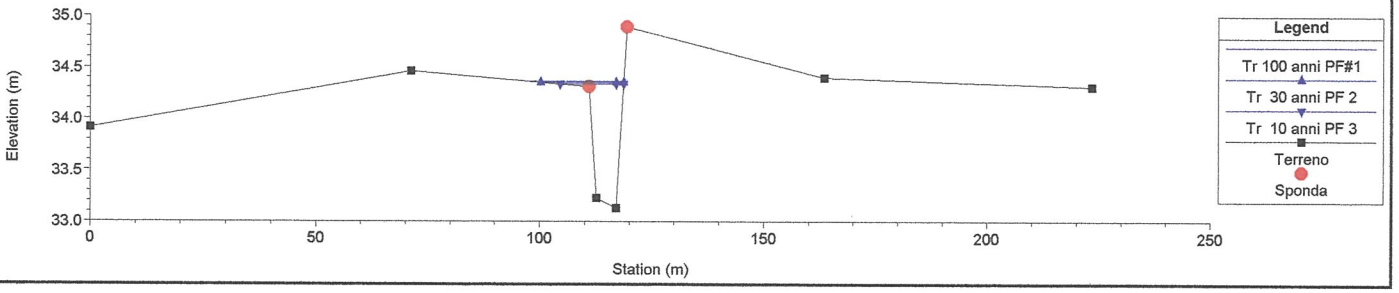
River = roia Reach = roia RS = 11.25
CANALE ROIA



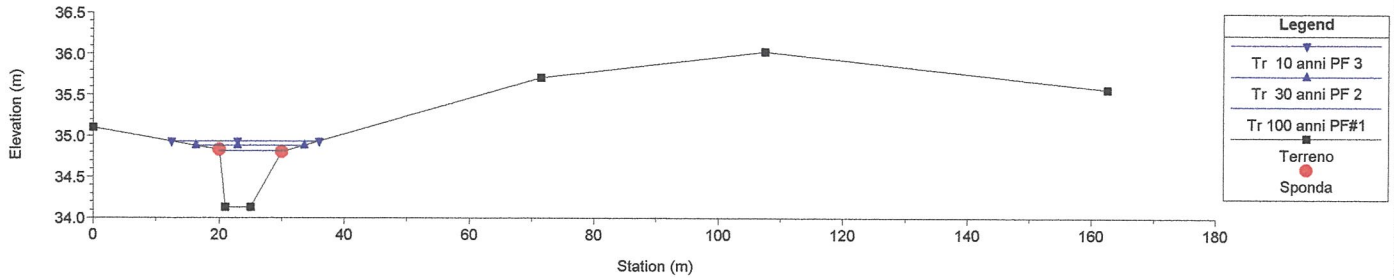
River = roia Reach = roia RS = 11.3
CANALE ROIA



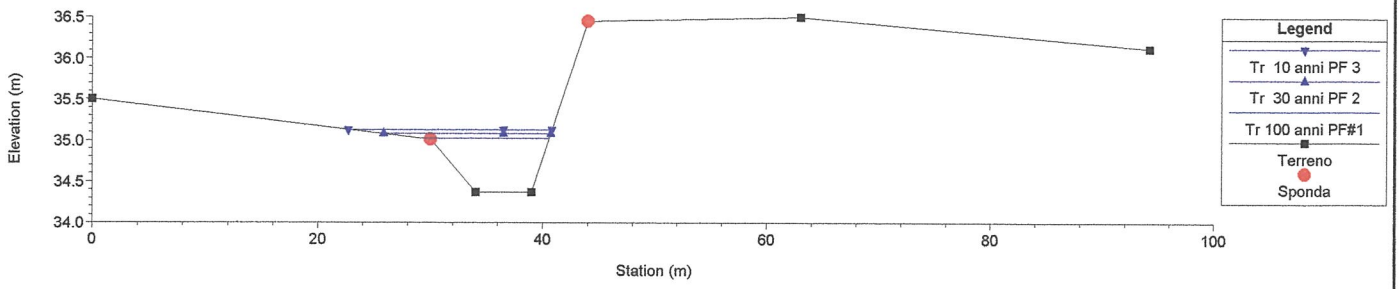
River = roia Reach = roia RS = 11.4
CANALE ROIA



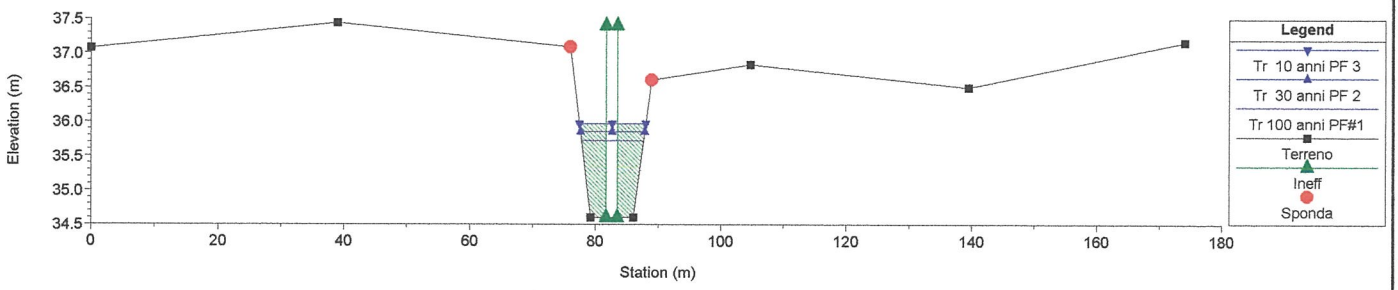
River = roia Reach = roia RS = 12
CANALE ROIA



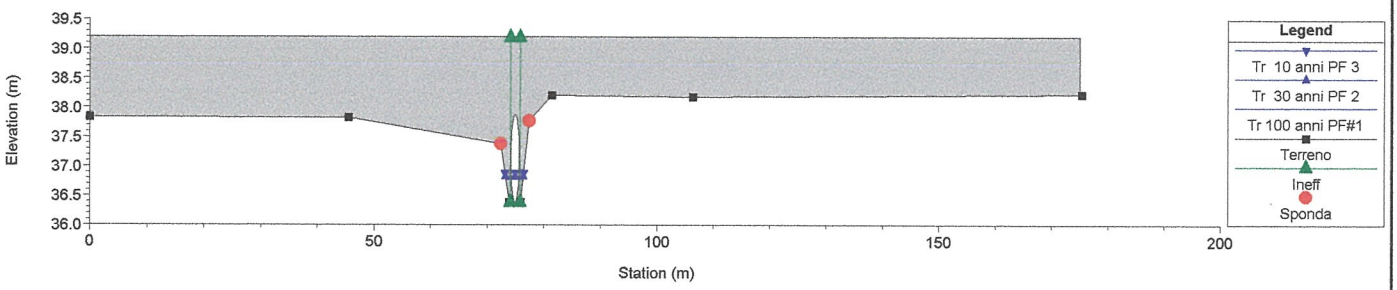
River = roia Reach = roia RS = 13
CANALE ROIA



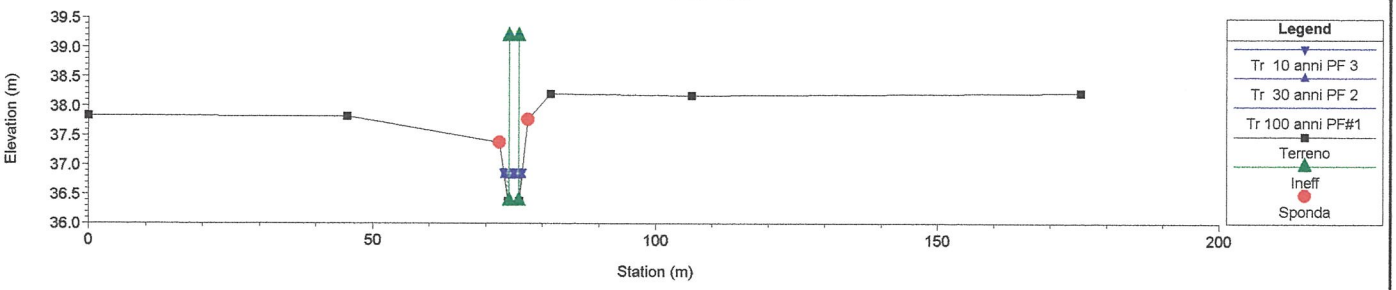
River = roia Reach = roia RS = 14
CANALE ROIA



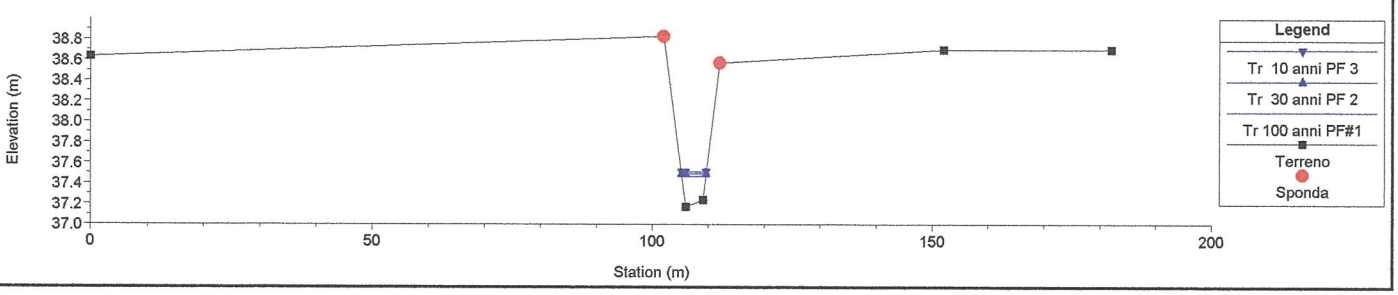
River = roia Reach = roia RS = 15.5
CANALE ROIA



River = roia Reach = roia RS = 16
CANALE ROIA



River = roia Reach = roia RS = 17
CANALE ROIA



COMUNE DI S. VITO AL TAGLIAMENTO
(Provincia di Pordenone)

STUDIO GEOLOGICO-TECNICO DEL TERRITORIO COMUNALE

relativo al P.R.G.C. variante di revisione in adeguamento alla L.R. 52/91

Allegato 2

Verifiche idrauliche

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ROGGIA MUSSOLERA-ROGGIA DI GLERIS

Tempo di ritorno 10 anni

Sezione n°	D (m)	Q (mc/s)	Z (m)	H (m)	V (m/s)	Fr
1		4.24	20.41	21.52	0.89	0.29
1.1	260	4.24	20.78	21.72	0.58	0.24
1.2	170	4.24	20.90	21.88	0.90	0.35
2.1	300	4.24	21.65	22.47	1.13	0.40
2.2	5	4.24	21.70	22.48	1.18	0.43
2.25	Bridge					
2.3	0.5	4.24	21.70	22.54	1.09	0.39
2.4	3	4.24	21.75	22.54	1.17	0.43
3.1	110	4.24	22.30	22.97	1.57	0.62
3.2	7	4.24	22.30	23.02	1.44	0.55
3.25	Culvert					
3.3	10.5	4.24	22.30	23.13	1.25	0.45
3.4	4	4.24	22.30	23.14	1.23	0.44
4.1	110	4.24	23.00	23.55	1.44	0.64
4.2	5	4.24	23.02	23.57	1.55	0.67
4.25	Bridge					
4.3	0.5	4.24	23.03	23.64	1.40	0.57
4.4	5	4.24	23.05	23.68	1.24	0.52
5	300	4.24	23.57	24.59	1.36	0.53
6	400	4.24	25.73	26.70	1.46	0.61
7.1	1100	4.24	27.47	28.48	0.95	0.35
7.2	5	4.24	27.48	28.48	1.01	0.32
7.25	Culvert					
7.3	9	4.24	27.50	28.68	0.85	0.25
7.4	5	4.24	27.52	28.69	0.78	0.27
8	220	4.24	28.19	29.03	1.17	0.47
9	120	2.04	28.32	29.14	1.25	0.44
9.5	Culvert					
10	601	2.04	30.06	31.33	0.20	0.06
10.5	50	2.04	30.09	31.31	0.82	0.28
11.1	100	2.04	30.44	31.41	0.76	0.28
11.2	3	2.04	30.44	31.40	0.87	0.33
11.25	Culvert					
11.3	5	2.04	30.29	31.60	0.52	0.16
11.4	4	2.04	30.29	31.58	0.97	0.29
12	120	2.04	31.20	31.92	1.33	0.57
12.05	Culvert					
12.1	4	2.04	31.20	32.29	0.72	0.25
13	150	2.04	31.55	32.41	0.66	0.25

D: distanza dalla sezione precedente
Q: portata in mc/s
Z: quota del fondo del canale in m. slm
H: quota della lama d'acqua in m. slm
V: velocità del flusso in m/s
Fr: numero di Froude

ROGGIA MUSSOLERA-ROGGIA DI GLERIS

Tempo di ritorno 30 anni

Sezione n°	D (m)	Q (mc/s)	Z (m)	H (m)	V (m/s)	Fr
1		5.23	20.41	21.64	0.94	0.29
1.1	260	5.23	20.78	21.83	0.60	0.24
1.2	170	5.23	20.90	21.98	0.95	0.35
2.1	300	5.23	21.65	22.58	1.22	0.41
2.2	5	5.23	21.70	22.58	1.27	0.44
2.25	Bridge					
2.3	0.5	5.23	21.70	22.65	1.18	0.39
2.4	3	5.23	21.75	22.65	1.26	0.43
3.1	110	5.23	22.30	23.06	1.67	0.62
3.2	7	5.23	22.30	23.12	1.56	0.56
3.25	Culvert					
3.3	10.5	5.23	22.30	23.25	1.33	0.45
3.4	4	5.23	22.30	23.26	1.31	0.44
4.1	110	5.23	23.00	23.64	1.51	0.63
4.2	5	5.23	23.02	23.65	1.66	0.67
4.25	Bridge					
4.3	0.5	5.23	23.03	23.72	1.51	0.58
4.4	5	5.23	23.05	23.77	1.32	0.52
5	300	5.23	23.57	24.70	1.45	0.54
6	400	5.23	25.73	26.79	1.55	0.61
7.1	1100	5.23	27.47	28.60	1.01	0.35
7.2	5	5.23	27.48	28.60	1.12	0.34
7.25	Culvert					
7.3	9	5.23	27.50	28.84	0.93	0.26
7.4	5	5.23	27.52	28.85	0.81	0.26
8	220	5.23	28.19	29.15	1.21	0.45
9	120	2.52	28.32	29.24	1.36	0.45
9.5	Culvert					
10	601	2.52	30.06	31.41	0.19	0.06
10.5	50	2.52	30.09	31.39	0.94	0.31
11.1	100	2.52	30.44	31.48	0.76	0.27
11.2	3	2.52	30.44	31.47	0.95	0.34
11.25	Culvert					
11.3	5	2.52	30.29	31.65	0.60	0.18
11.4	4	2.52	30.29	31.62	1.14	0.34
12	120	2.52	31.20	32.02	1.40	0.56
12.05	Culvert					
12.1	4	2.52	31.20	32.33	0.84	0.28
13	150	2.52	31.55	32.47	0.70	0.26

D: distanza dalla sezione precedente
Q: portata in mc/s
Z: quota del fondo del canale in m. slm
H: quota della lama d'acqua in m. slm
V: velocità del flusso in m/s
Fr: numero di Froude

ROGGIA MUSSOLERA-ROGGIA DI GLERIS

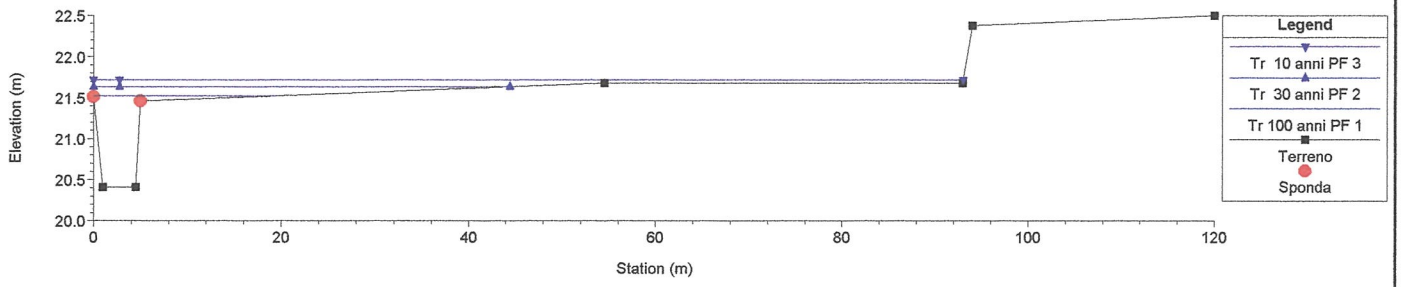
Tempo di ritorno 100 anni

Sezione n°	D (m)	Q (mc/s)	Z (m)	H (m)	V (m/s)	Fr
1		6.16	20.41	21.71	0.98	0.29
1.1	260	6.16	20.78	21.92	0.63	0.24
1.2	170	6.16	20.90	22.05	0.99	0.35
2.1	300	6.16	21.65	22.67	1.31	0.42
2.2	5	6.16	21.70	22.68	1.35	0.44
2.25	Bridge					
2.3	0.5	6.16	21.70	22.75	1.26	0.40
2.4	3	6.16	21.75	22.75	1.34	0.43
3.1	110	6.16	22.30	23.15	1.76	0.62
3.2	7	6.16	22.30	23.21	1.65	0.57
3.25	Culvert					
3.3	10.5	6.16	22.30	23.36	1.40	0.45
3.4	4	6.16	22.30	23.37	1.38	0.44
4.1	110	6.16	23.00	23.72	1.55	0.61
4.2	5	6.16	23.02	23.73	1.74	0.66
4.25	Bridge					
4.3	0.5	6.16	23.03	23.80	1.61	0.59
4.4	5	6.16	23.05	23.85	1.38	0.51
5	300	6.16	23.57	24.78	1.52	0.55
6	400	6.16	25.73	26.88	1.61	0.62
7.1	1100	6.16	27.47	28.70	1.06	0.35
7.2	5	6.16	27.48	28.69	1.21	0.35
7.25	Culvert					
7.3	9	6.16	27.50	28.98	0.99	0.26
7.4	5	6.16	27.52	29.00	0.83	0.25
8	220	6.16	28.19	29.26	1.20	0.42
9	120	2.97	28.32	29.34	1.46	0.46
9.5	Culvert					
10	601	2.97	30.06	31.42	0.23	0.07
10.5	50	2.97	30.09	31.38	1.11	0.36
11.1	100	2.97	30.44	31.51	0.62	0.22
11.2	3	2.97	30.44	31.48	1.10	0.40
11.25	Culvert					
11.3	5	2.97	30.29	31.68	0.69	0.21
11.4	4	2.97	30.29	31.64	1.31	0.39
12	120	2.97	31.20	32.09	1.45	0.56
12.05	Culvert					
12.1	4	2.97	31.20	32.36	0.96	0.32
13	150	2.97	31.55	32.52	0.74	0.27

D: distanza dalla sezione precedente
Q: portata in mc/s
Z: quota del fondo del canale in m. slm
H: quota della lama d'acqua in m. slm
V: velocità del flusso in m/s
Fr: numero di Froude

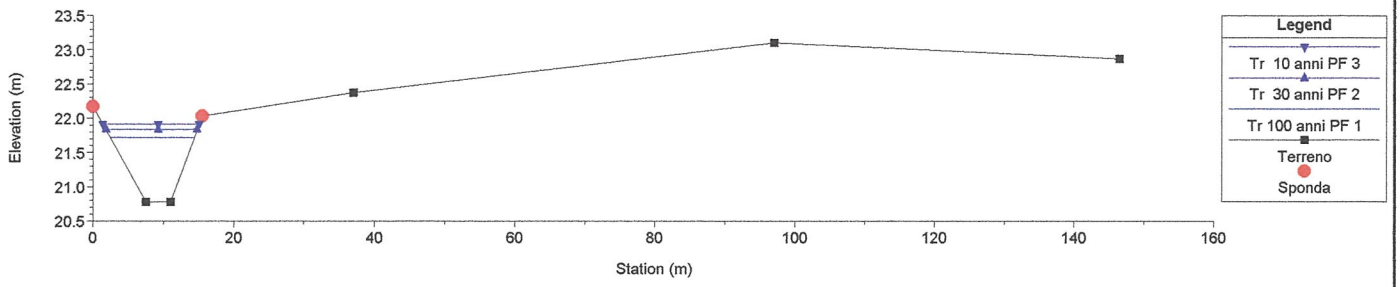
River = Gleris-mussolera Reach = gleris RS = 1

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



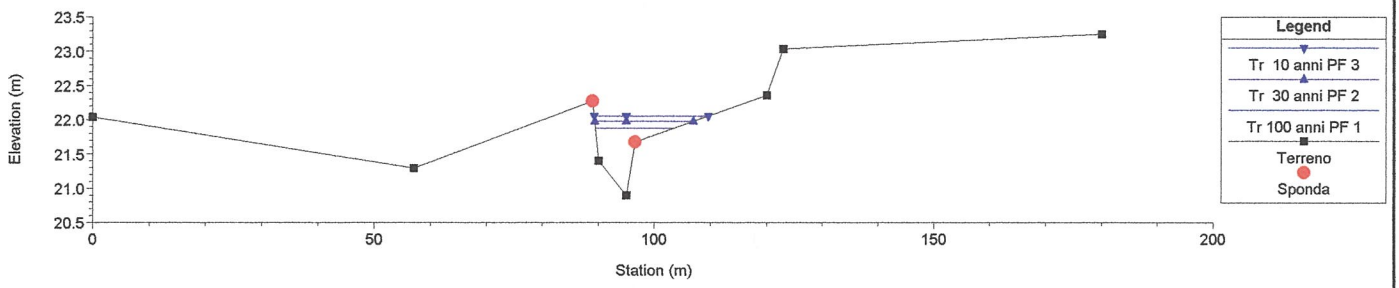
River = Gleris-mussolera Reach = gleris RS = 1.1

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



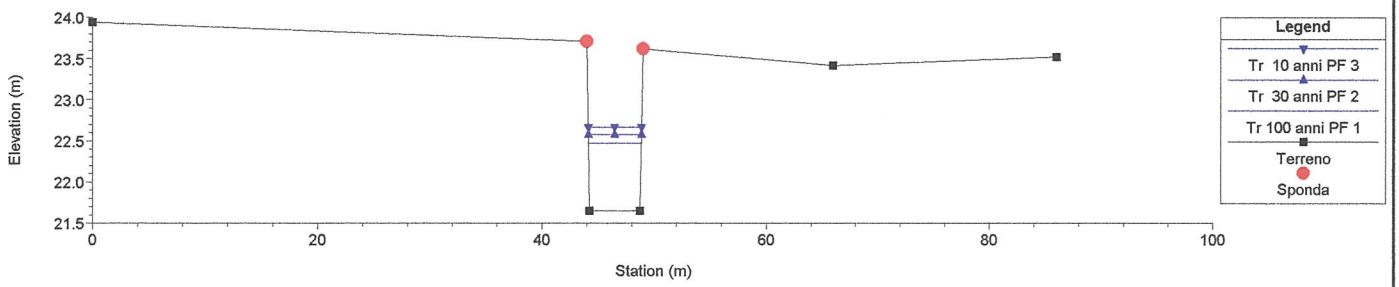
River = Gleris-mussolera Reach = gleris RS = 1.2

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



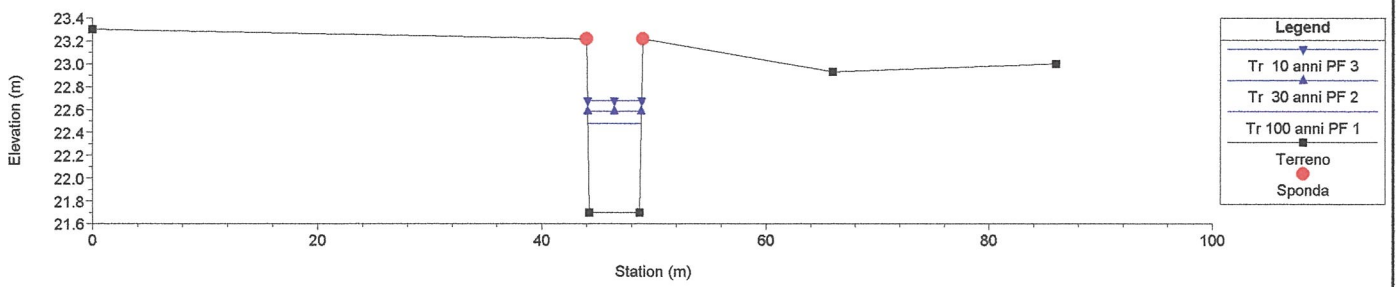
River = Gleris-mussolera Reach = gleris RS = 2.1

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



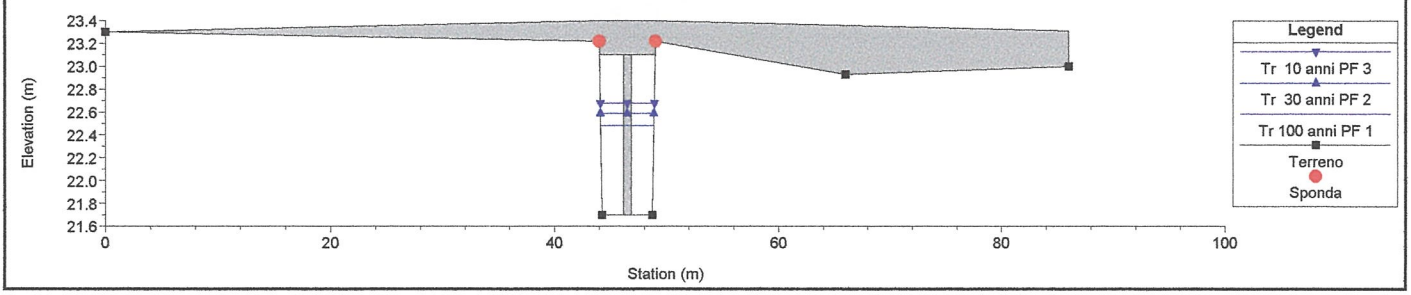
River = Gleris-mussolera Reach = gleris RS = 2.2

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



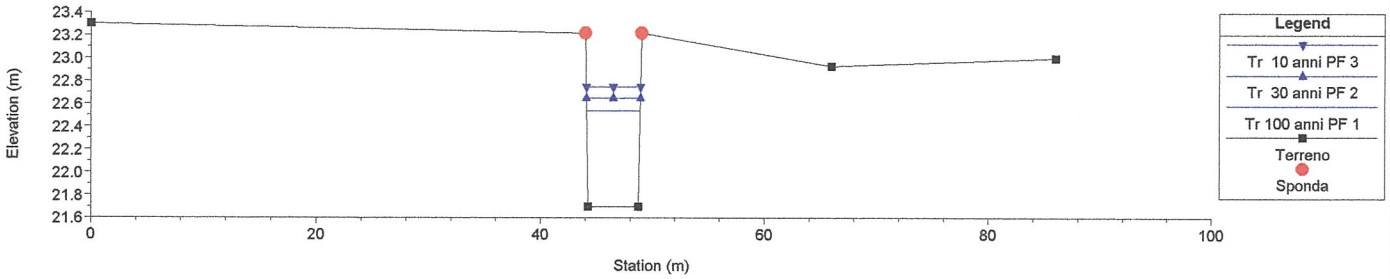
River = Gleris-mussolera Reach = gleris RS = 2.25

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



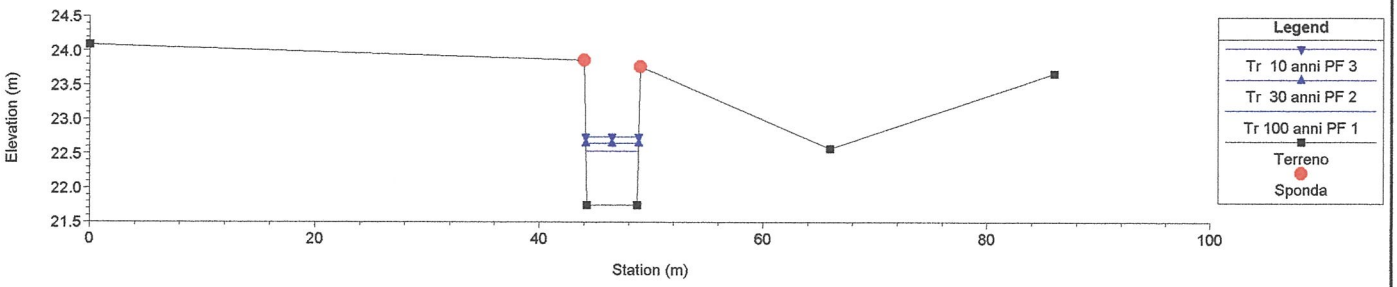
River = Gleris-mussolera Reach = gleris RS = 2.3

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



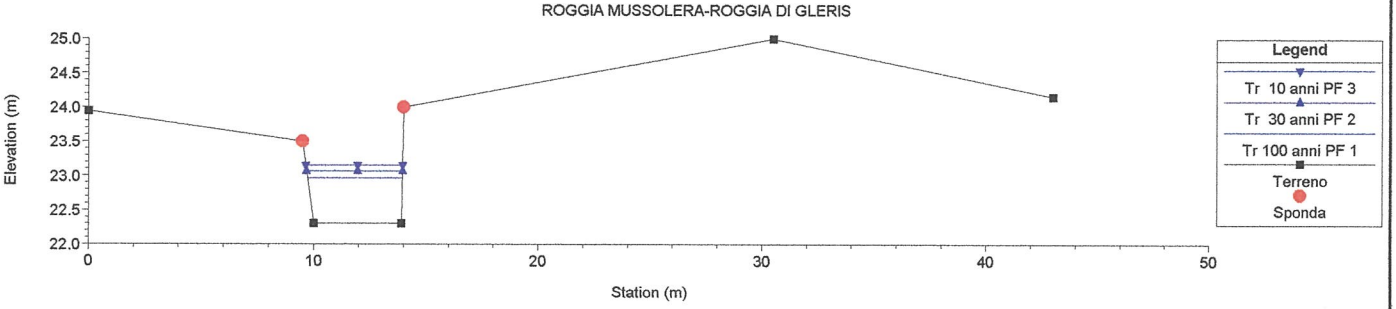
River = Gleris-mussolera Reach = gleris RS = 2.4

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



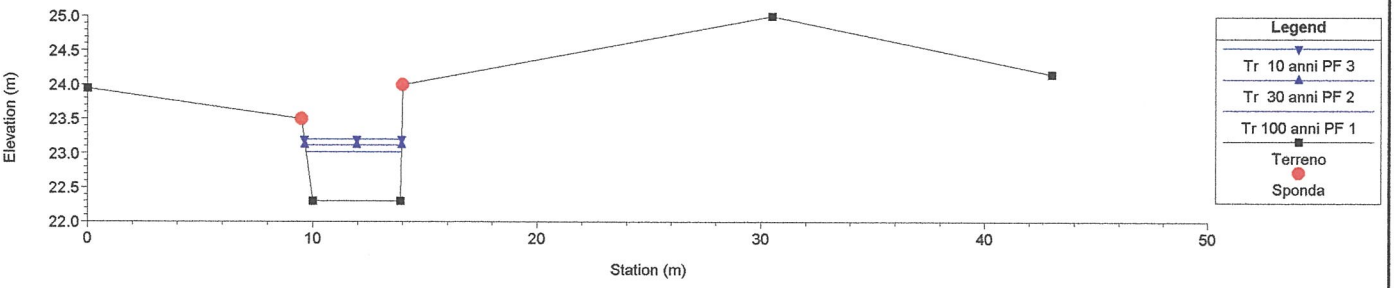
River = Gleris-mussolera Reach = gleris RS = 3.1

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



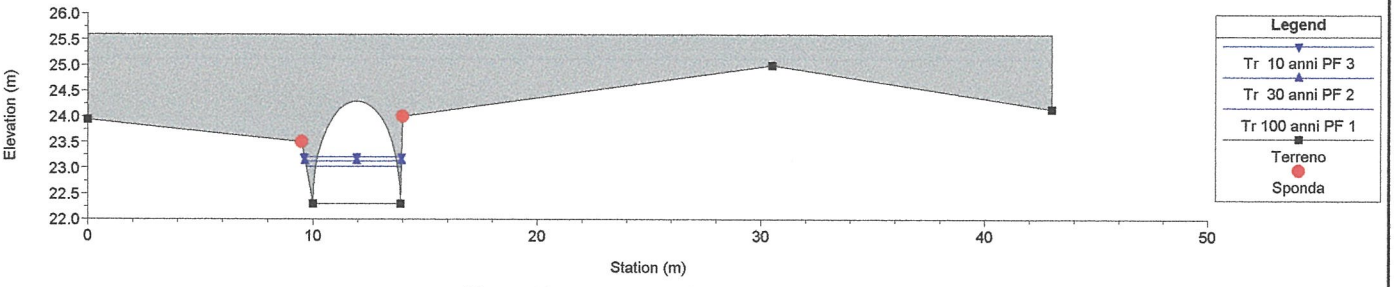
River = Gleris-mussolera Reach = gleris RS = 3.2

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



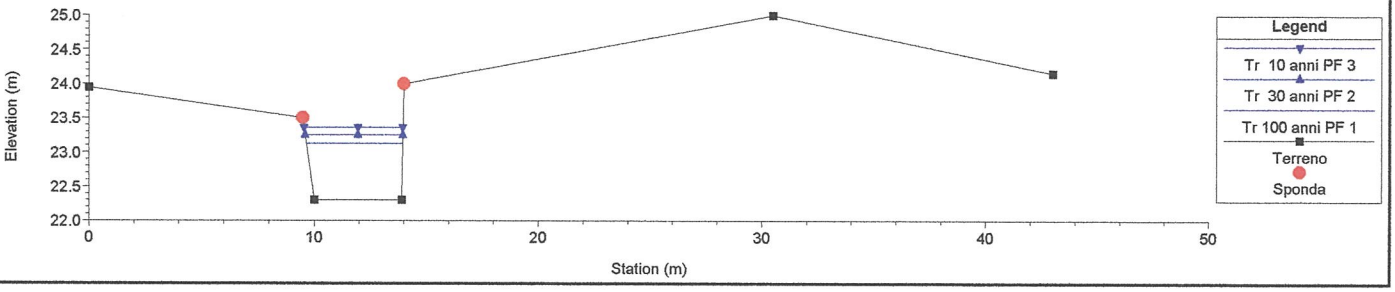
River = Gleris-mussolera Reach = gleris RS = 3.25

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



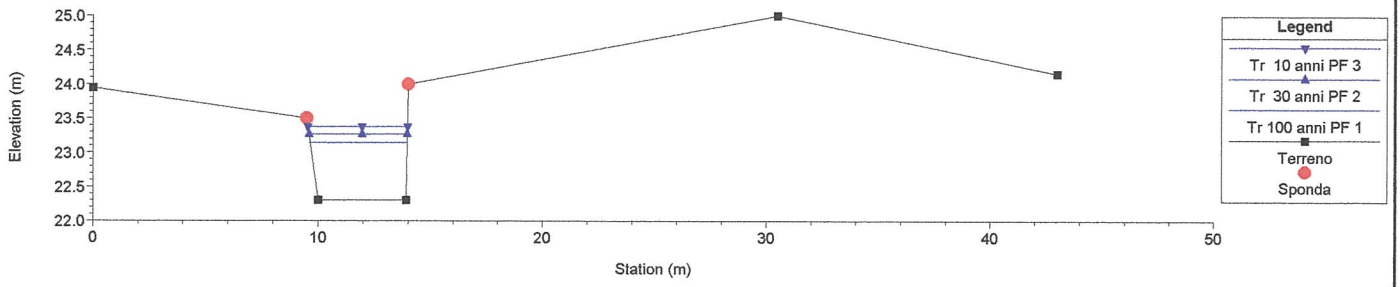
River = Gleris-mussolera Reach = gleris RS = 3.3

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



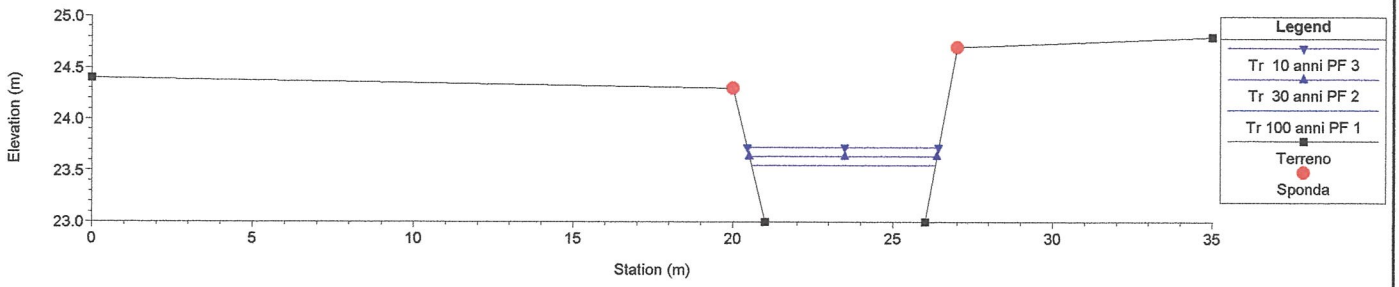
River = Gleris-mussolera Reach = gleris RS = 3.4

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



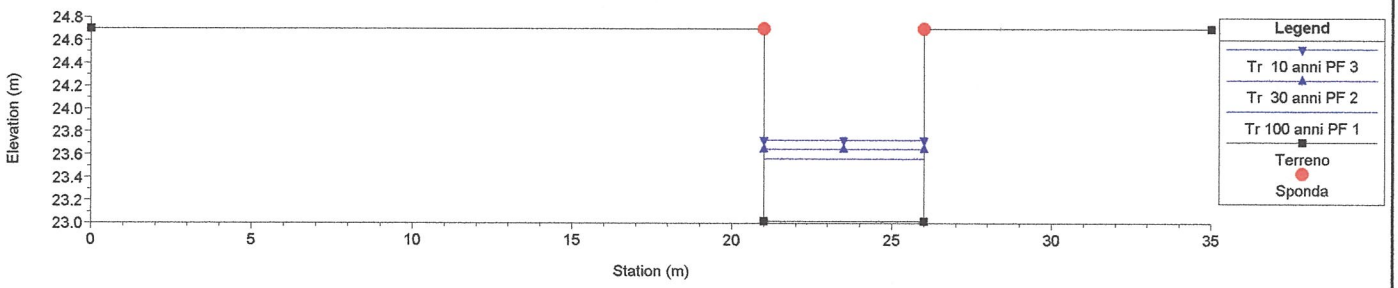
River = Gleris-mussolera Reach = gleris RS = 4.1

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



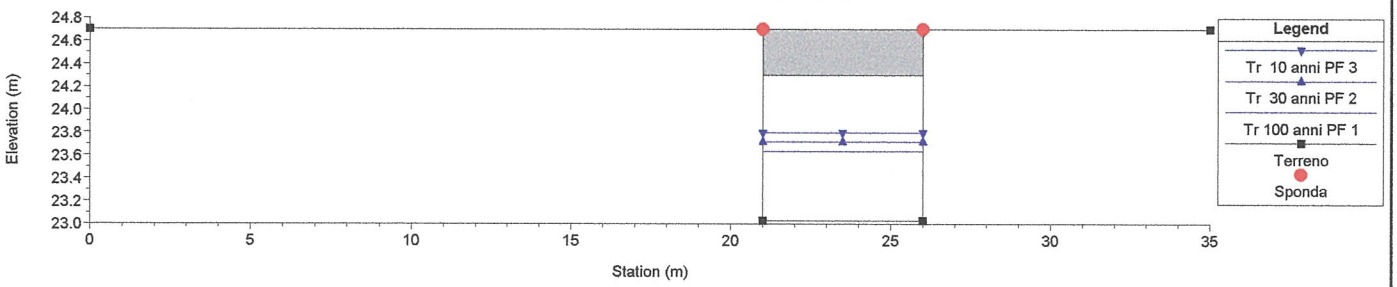
River = Gleris-mussolera Reach = gleris RS = 4.2

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



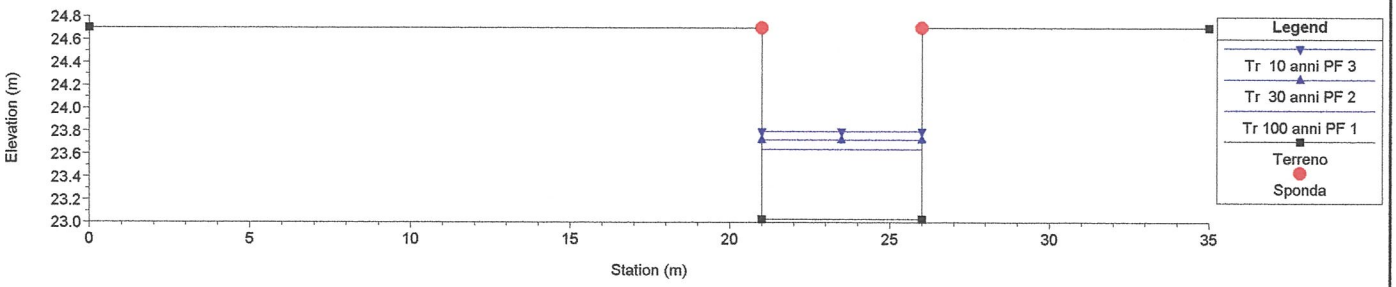
River = Gleris-mussolera Reach = gleris RS = 4.25

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



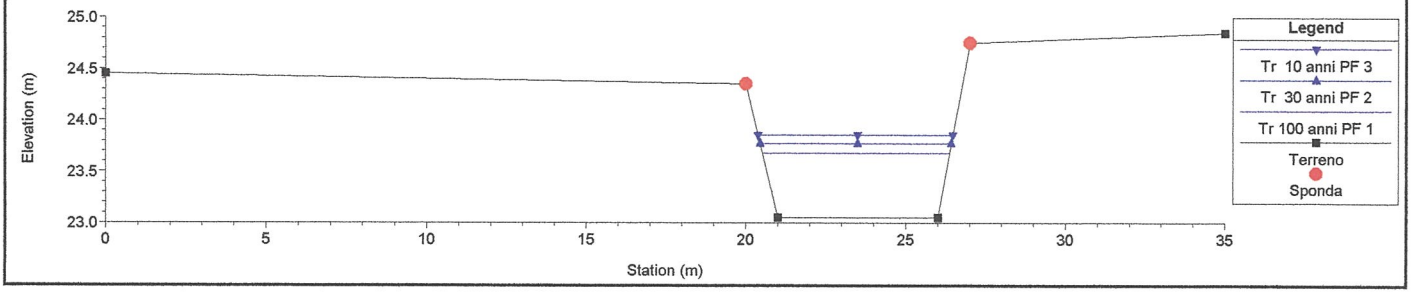
River = Gleris-mussolera Reach = gleris RS = 4.3

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



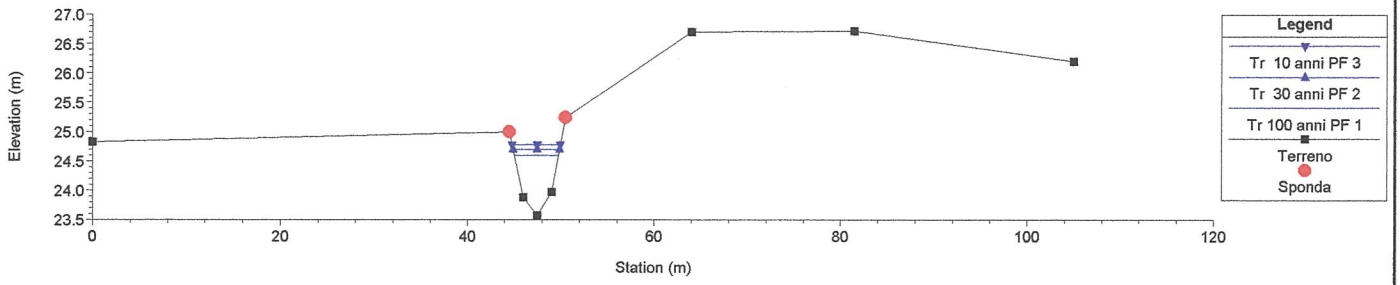
River = Gleris-mussolera Reach = gleris RS = 4.4

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



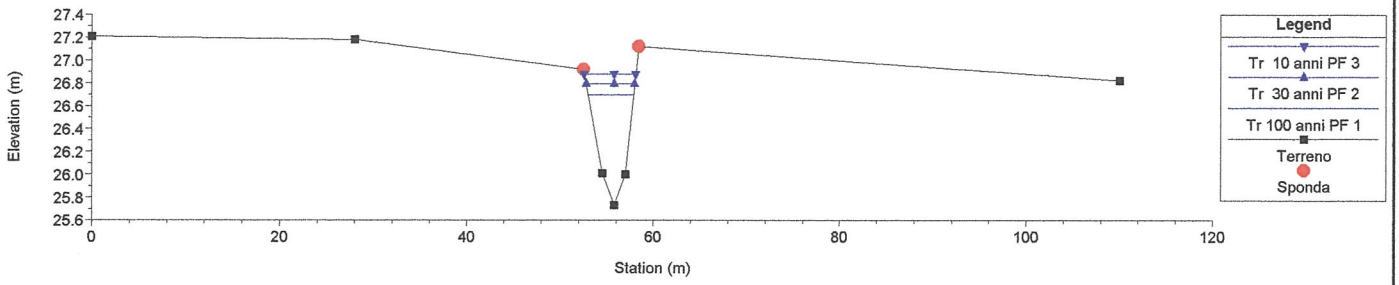
River = Gleris-mussolera Reach = gleris RS = 5

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



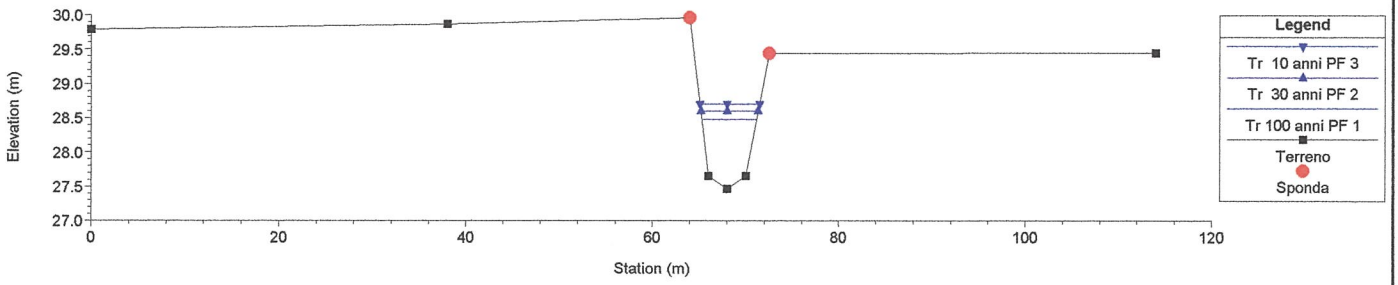
River = Gleris-mussolera Reach = gleris RS = 6

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



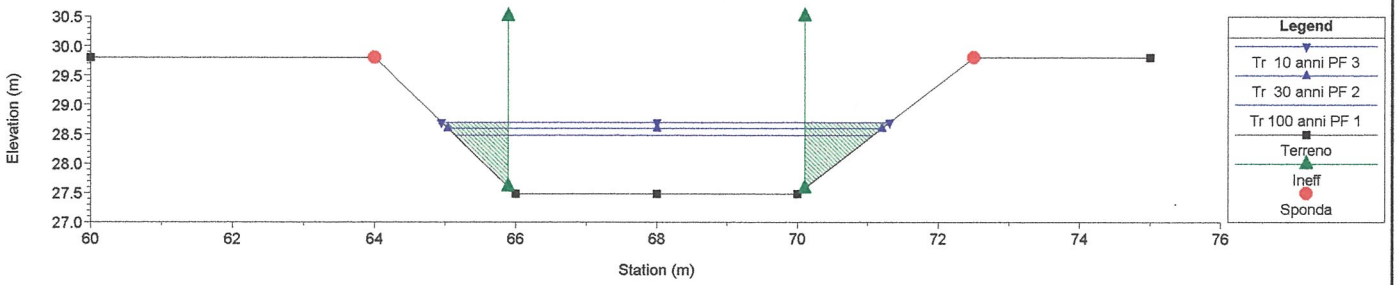
River = Gleris-mussolera Reach = gleris RS = 7.1

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



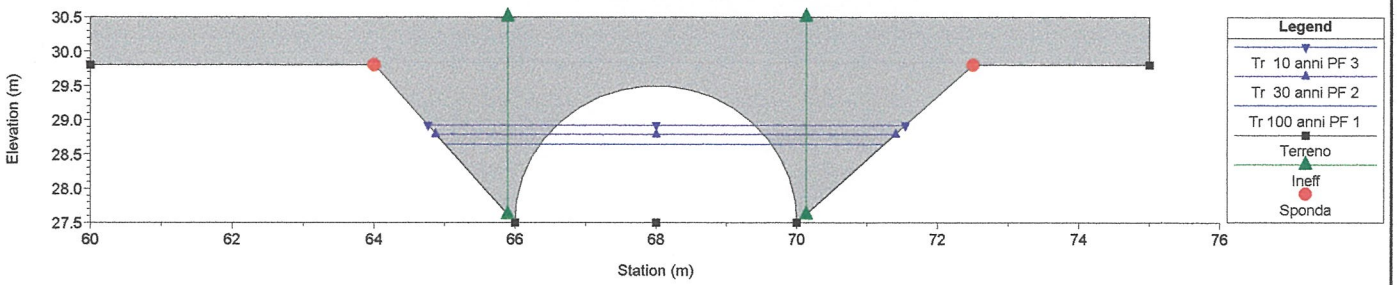
River = Gleris-mussolera Reach = gleris RS = 7.2

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



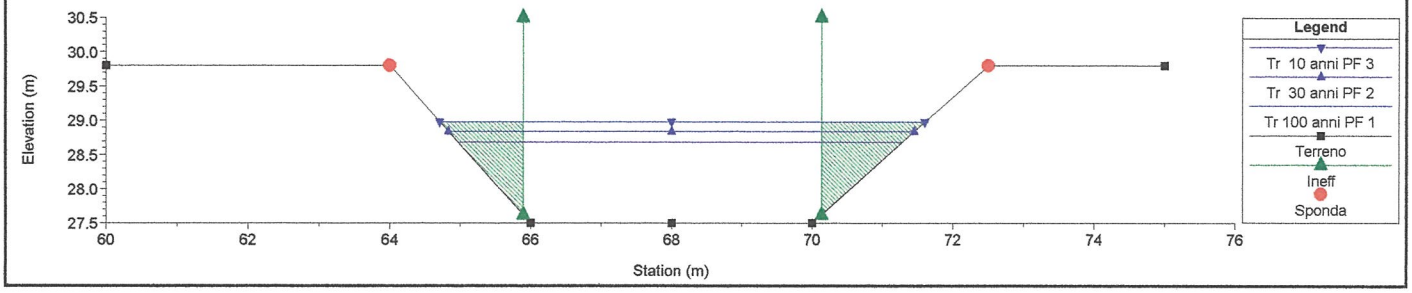
River = Gleris-mussolera Reach = gleris RS = 7.25

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



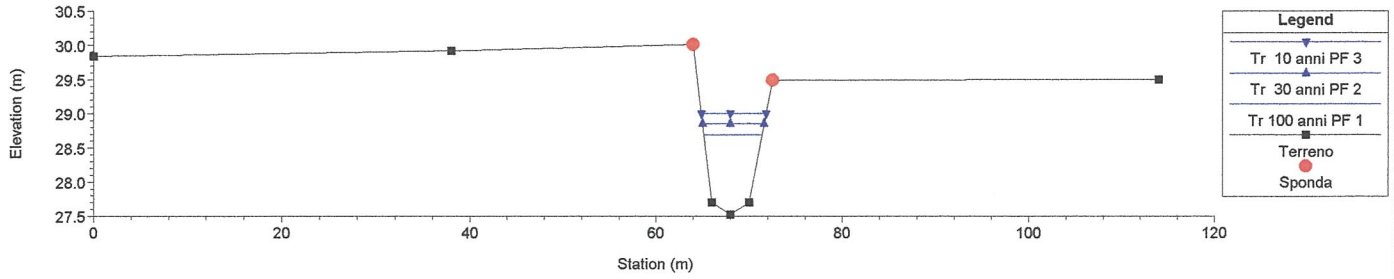
River = Gleris-mussolera Reach = gleris RS = 7.3

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



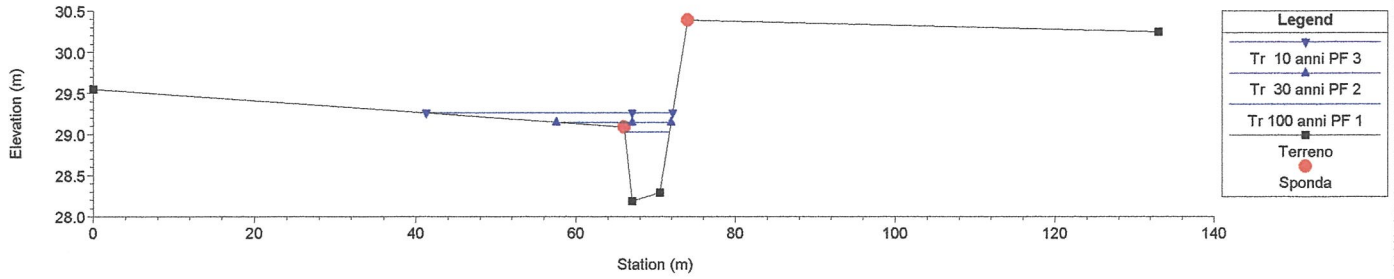
River = Gleris-mussolera Reach = gleris RS = 7.4

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



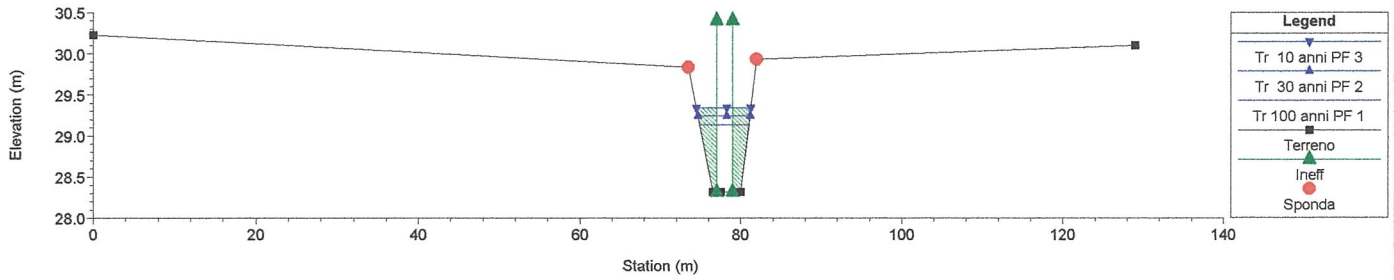
River = Gleris-mussolera Reach = gleris RS = 8

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



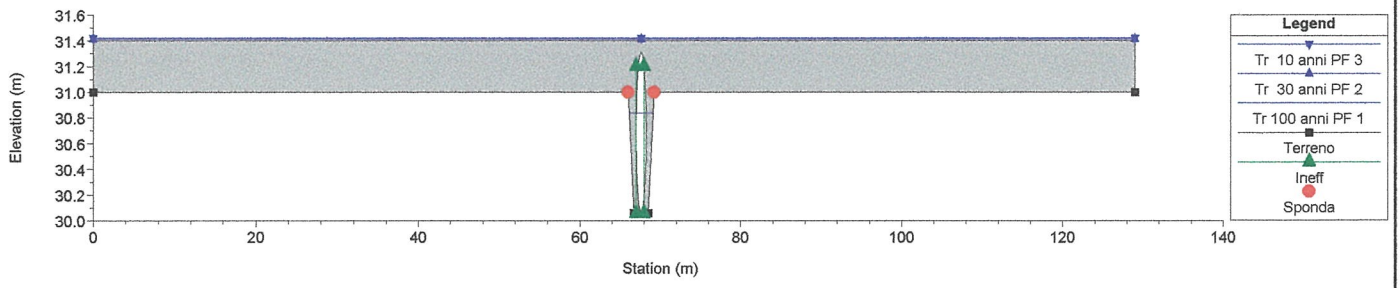
River = Gleris-mussolera Reach = gleris RS = 9

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



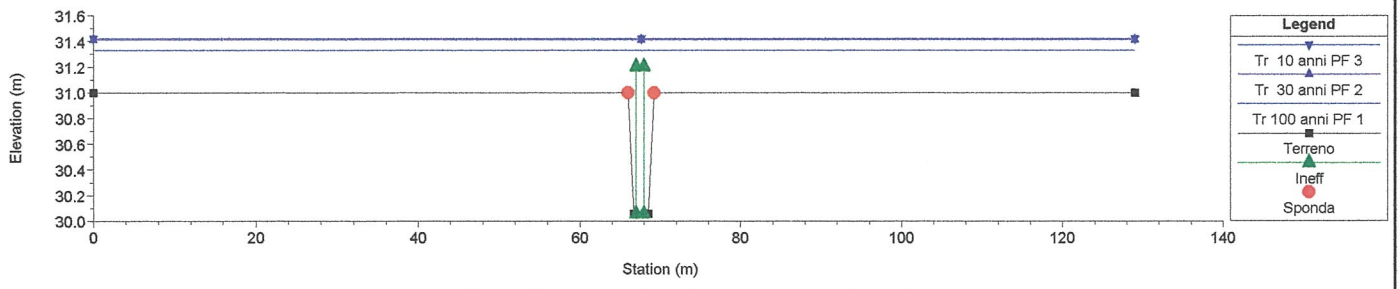
River = Gleris-mussolera Reach = gleris RS = 9.5

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



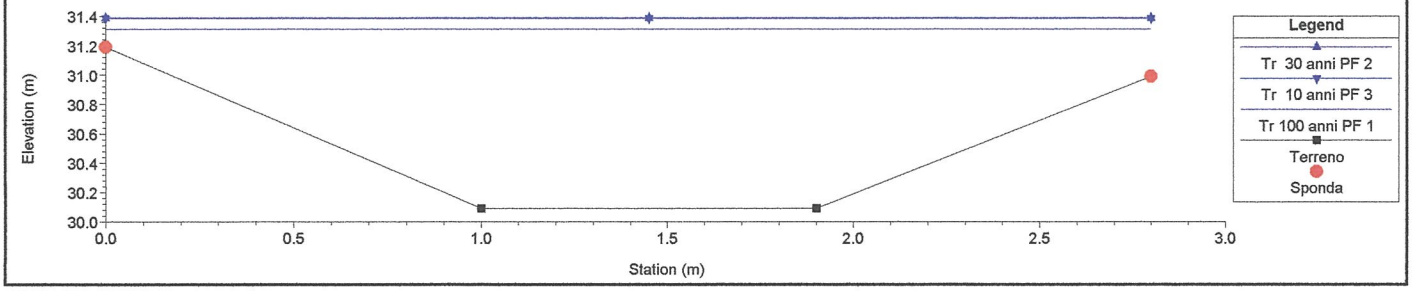
River = Gleris-mussolera Reach = gleris RS = 10

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



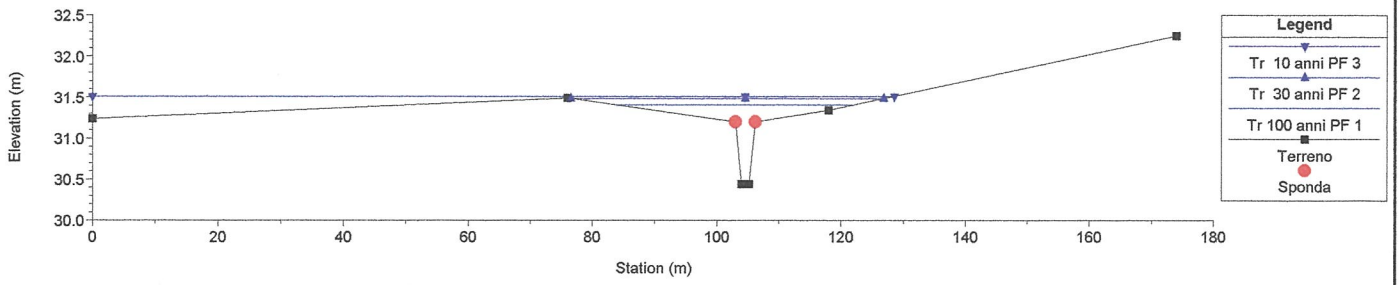
River = Gleris-mussolera Reach = gleris RS = 10.5

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



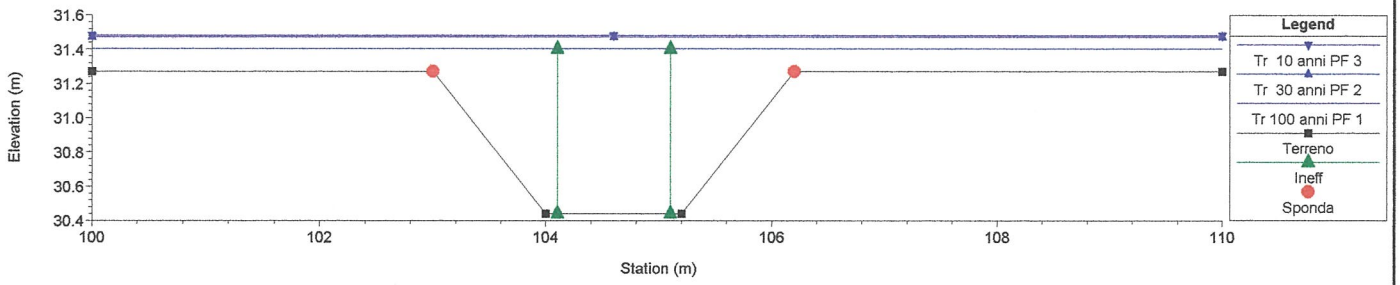
River = Gleris-mussolera Reach = gleris RS = 11.1

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



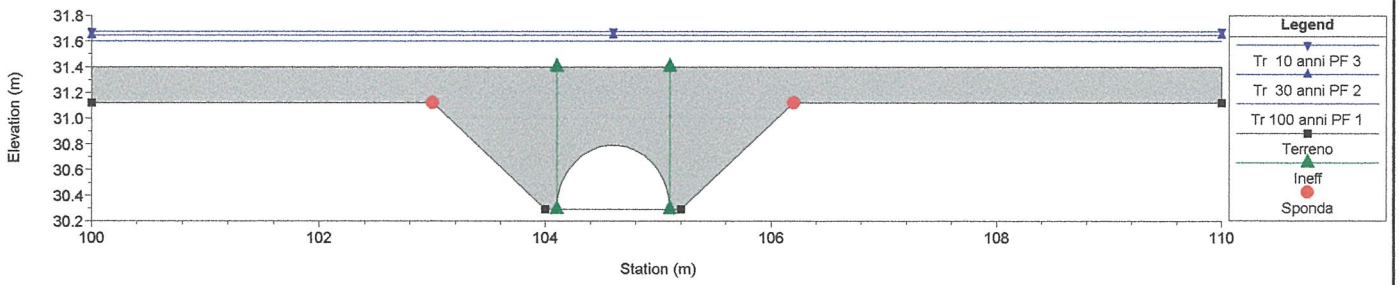
River = Gleris-mussolera Reach = gleris RS = 11.2

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



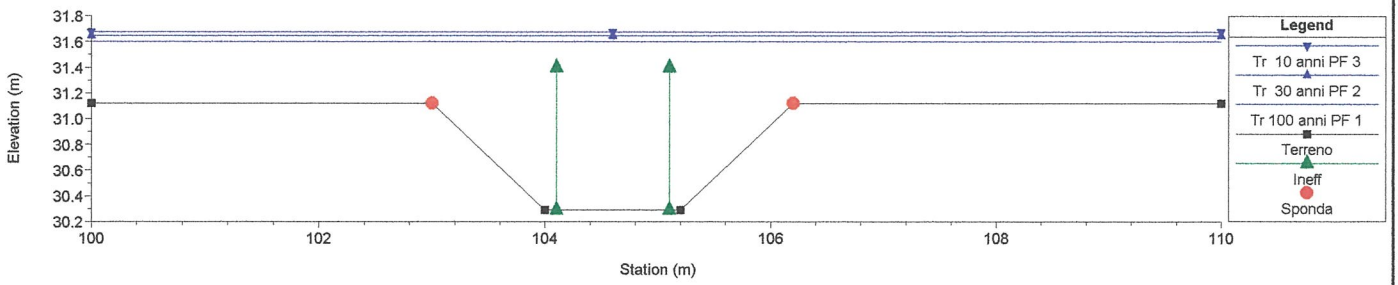
River = Gleris-mussolera Reach = gleris RS = 11.25

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



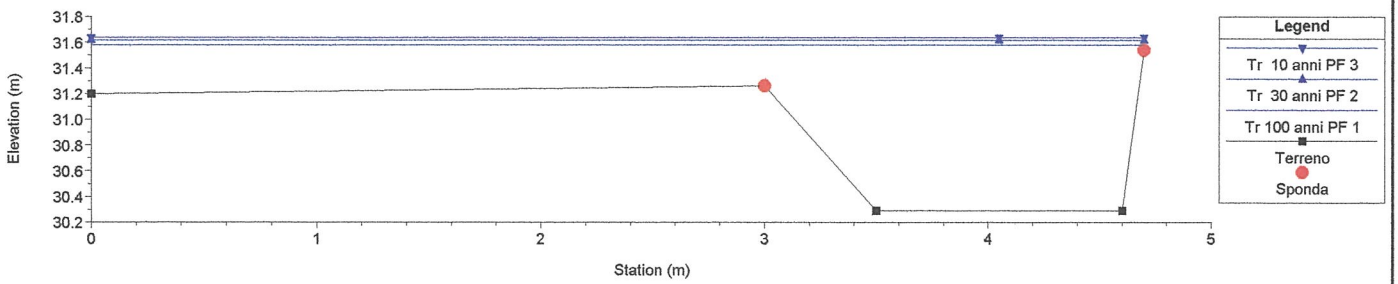
River = Gleris-mussolera Reach = gleris RS = 11.3

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



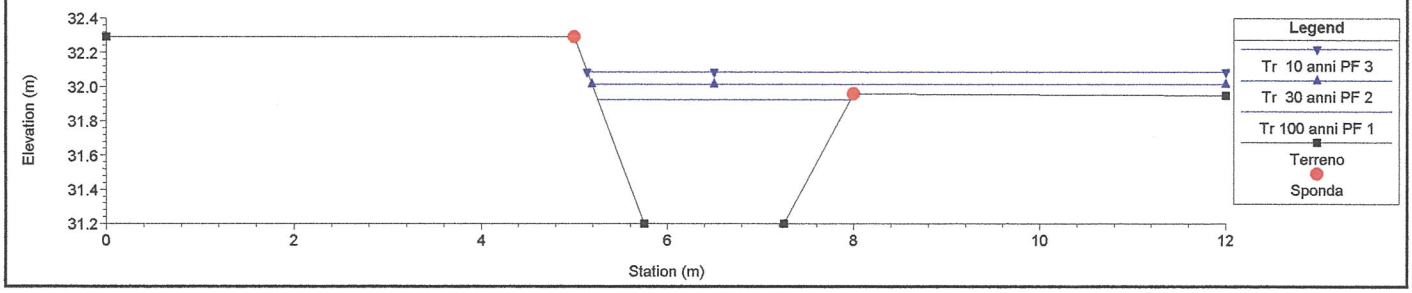
River = Gleris-mussolera Reach = gleris RS = 11.4

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



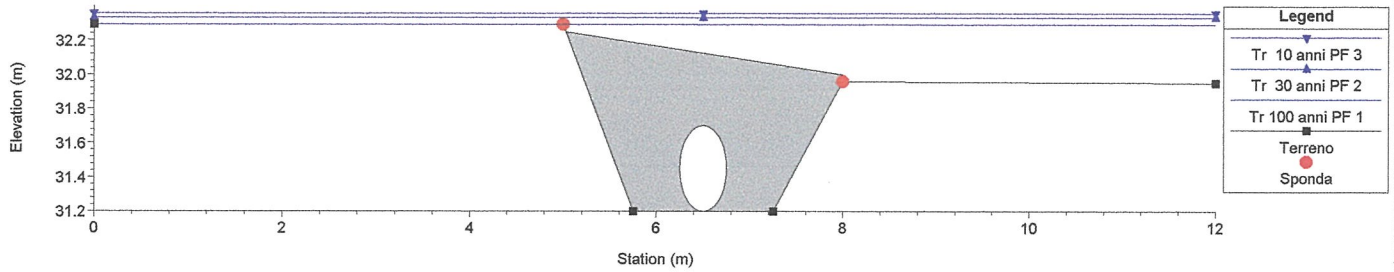
River = Gleris-mussolera Reach = gleris RS = 12

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



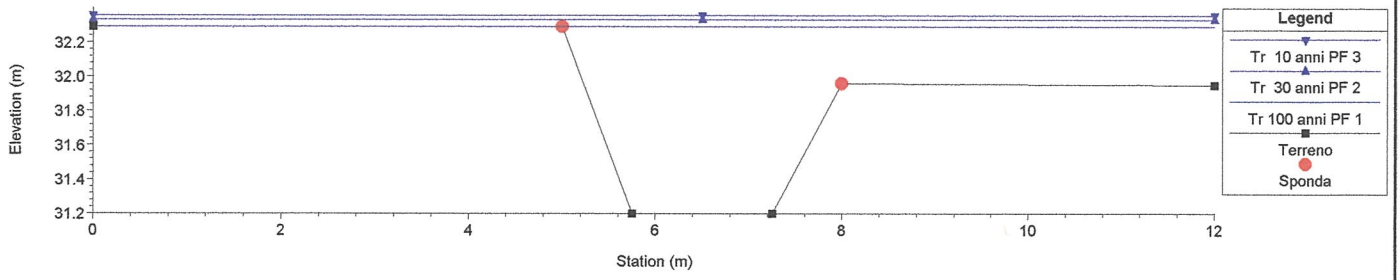
River = Gleris-mussolera Reach = gleris RS = 12.05

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



River = Gleris-mussolera Reach = gleris RS = 12.1

ROGGIA MUSSOLERA-ROGGIA DI GLERIS



River = Gleris-mussolera Reach = gleris RS = 13

ROGGIA MUSSOLERA-ROGGIA DI GLERIS