AUTORITA' DI BACINO DEL FIUME PO

REGIONE LIGURIA

Città Metropolitana di Genova

VARIANTE PTC VBP BACINI PADANI

Accordo di Pianificazione ai sensi dell' art. 57 della L.R. 36/1997
tra Autorità di bacino del fiume Po Regione Liguria e Provincia di Genova

V1 - Verifiche idrauliche per l'individuazione delle aree inondabili (SCRIVIA)

Allegato tecnico alle Norme di attuazione

"Aggiornamento con D.C.M. n. 29 del 19/10/2022"

PROGETTO **Codice : 1.2/17/04**	VARIANTE AL PIANO TERRITORIALE DI COORDINAMENTO DELLA PROVINCIA DI GENOVA CON VALORE ED EFFETTI DEL PIANO DI BACINO PER LA PARTE DEL TERRITORIO PROVINCIALE COMPRESA NEL BACINO DEL FIUME PO

N. /Titolo elaborato :	**V1 – VERIFICHE IDRAULICHE - Scrivia**
Nome file :	**V1a_VerificheIdrauliche_Scrivia.pdf**

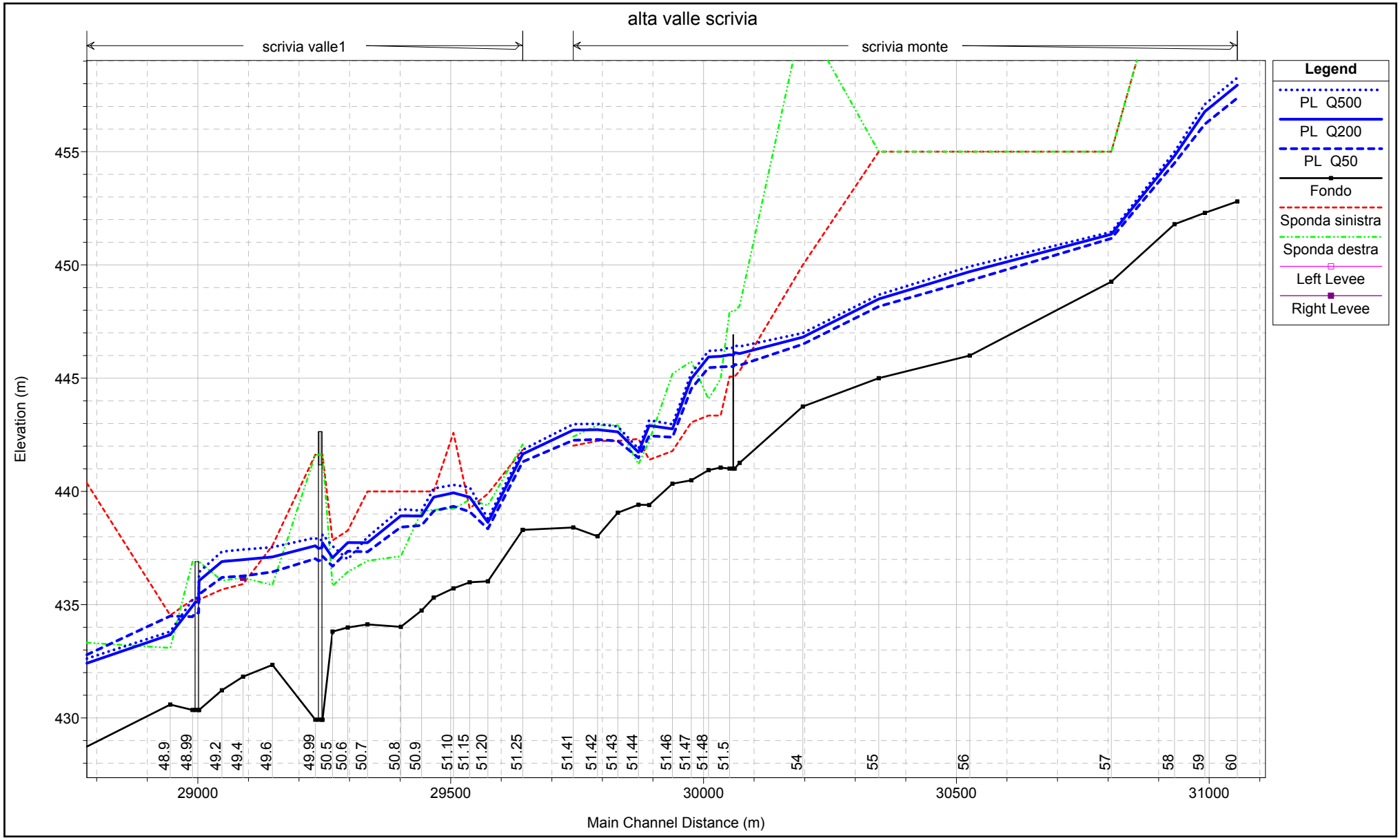
REV	DATA	REDATTO	VERIFICATO	APPROVATO
01	06/2010	Ufficio Pianificazione Territoriale	Il Direttore	Il Direttore
02	10/2014			
03	08/2016			
04	02/2022			

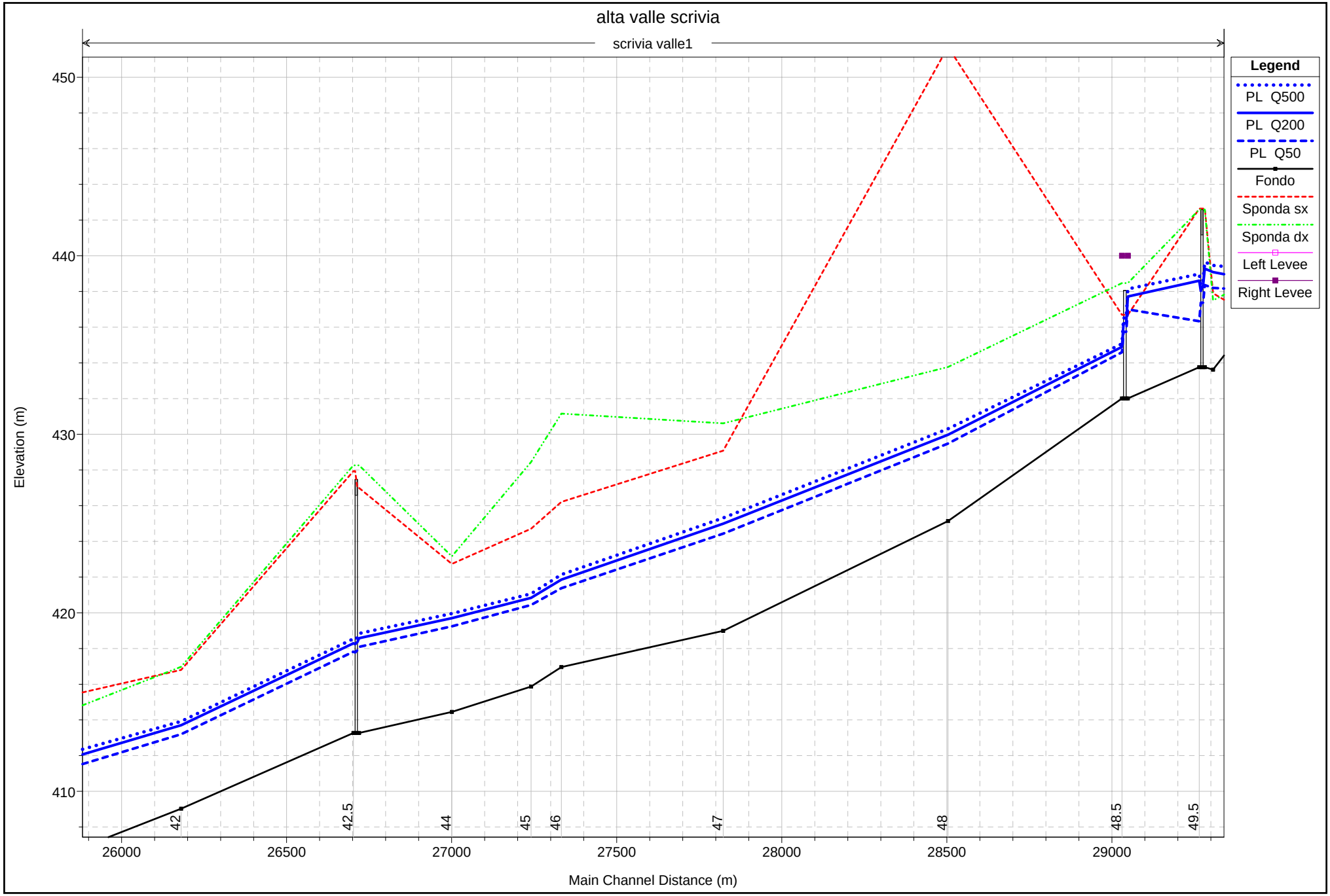
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   1.2 Campi sportivi (Ronco S.)
2. Torrente Pentemina
3. Rio delle Cogne
4. Rio Carpi
5. Rio Laitona
6.1 Torrente Brevenna (monte)
6.2 Torrente Brevenna (confluenza)
7. Rio Santo Stefano
8. Rio Orero
9. Rio Camiasca
10. Torrente Seminella
11. Torrente Migliarese
12. Rio Lupo
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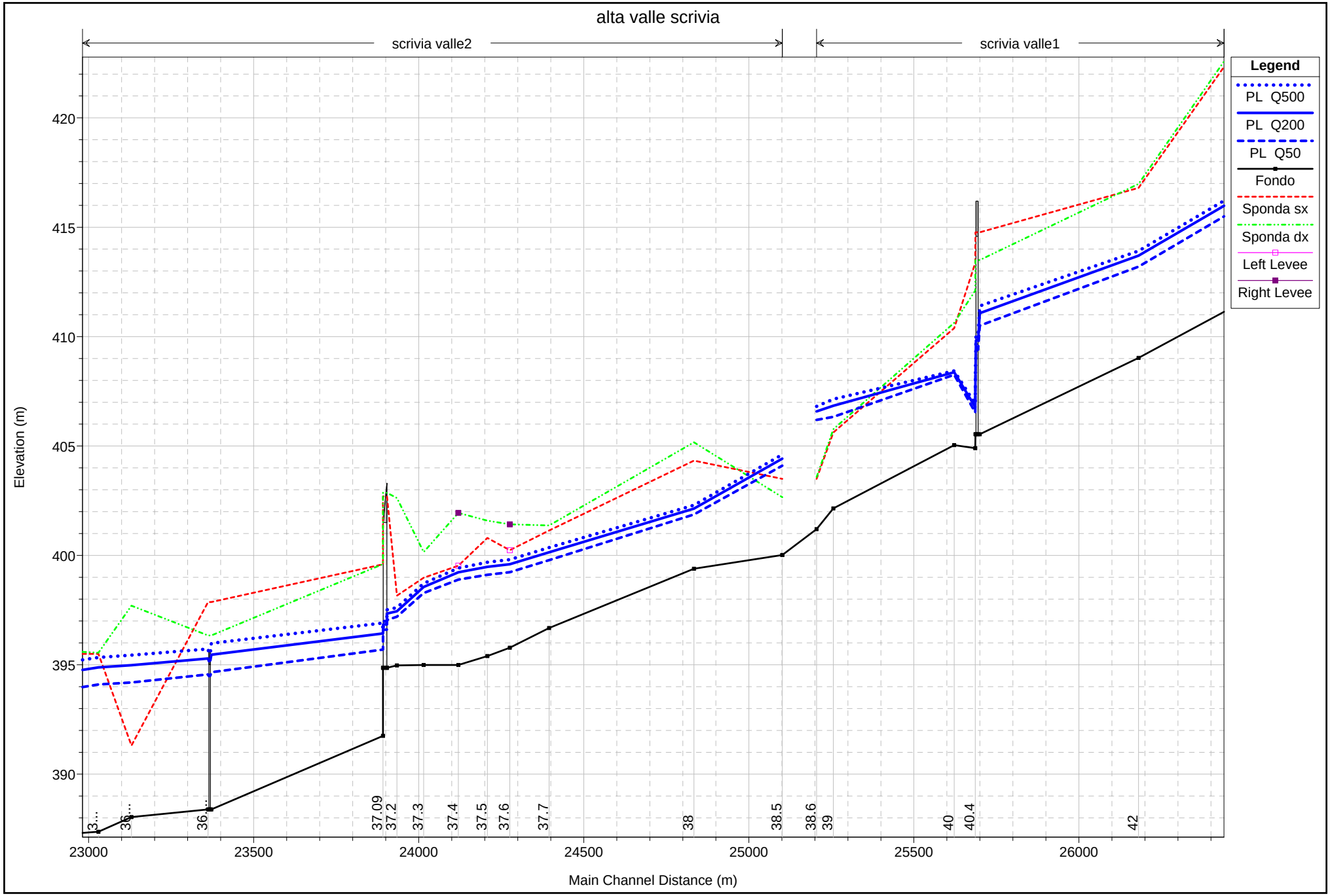
Torrente Scrivia

- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

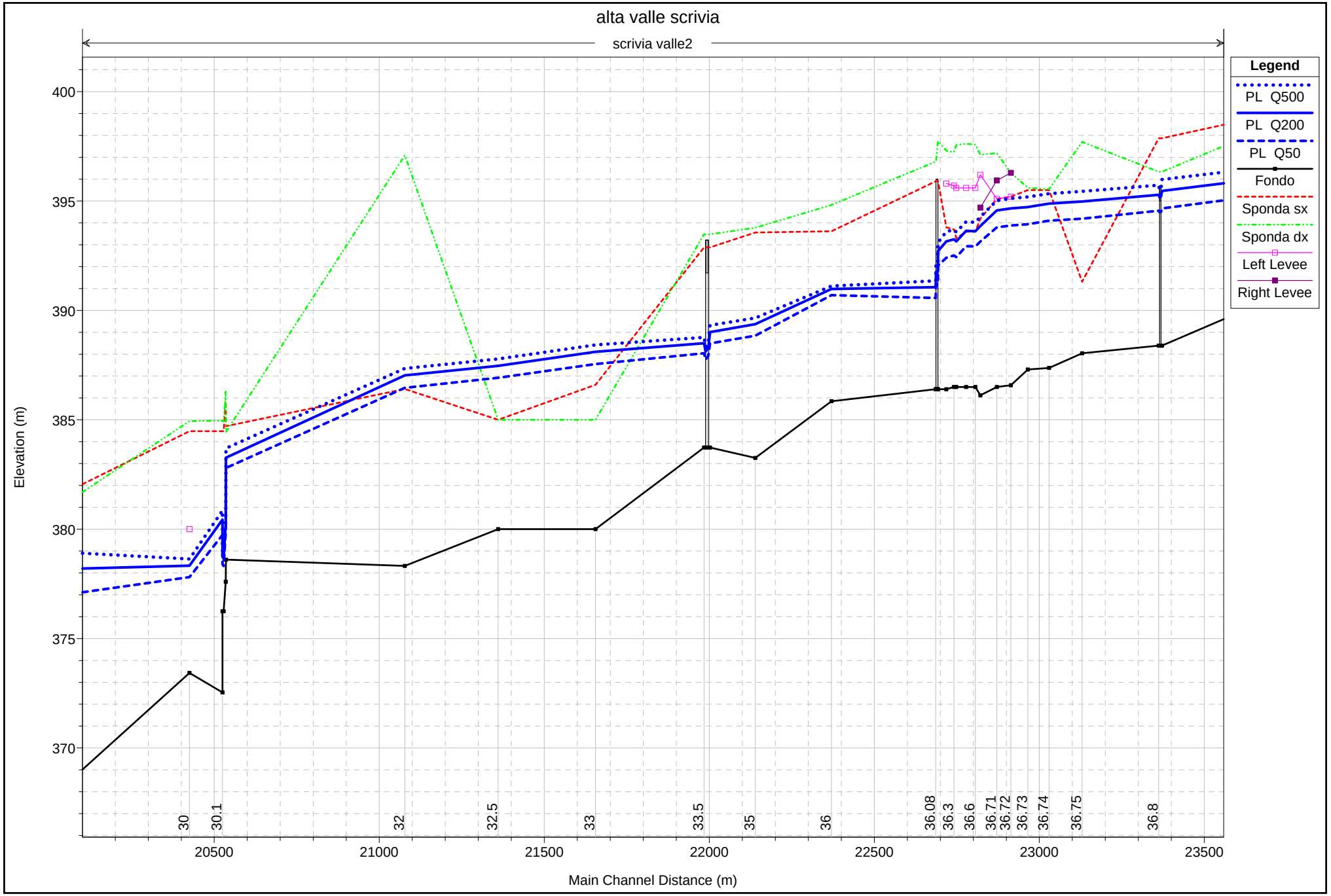

alta valle scrivia
scrivia valle1
scrivia monte
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sinistra
Sponda destra
Left Levee
Right Levee
Elevation (m)
455
450
445
440
435
430
48.9
48.99
49.2
49.4
49.6
49.99
50.5
50.6
50.7
50.8
50.9
51.10
51.15
51.20
51.25
51.41
51.42
51.43
51.44
51.46
51.47
51.48
51.5
54
55
56
57
58
59
60
29000
29500
30000
30500
31000
Main Channel Distance (m)



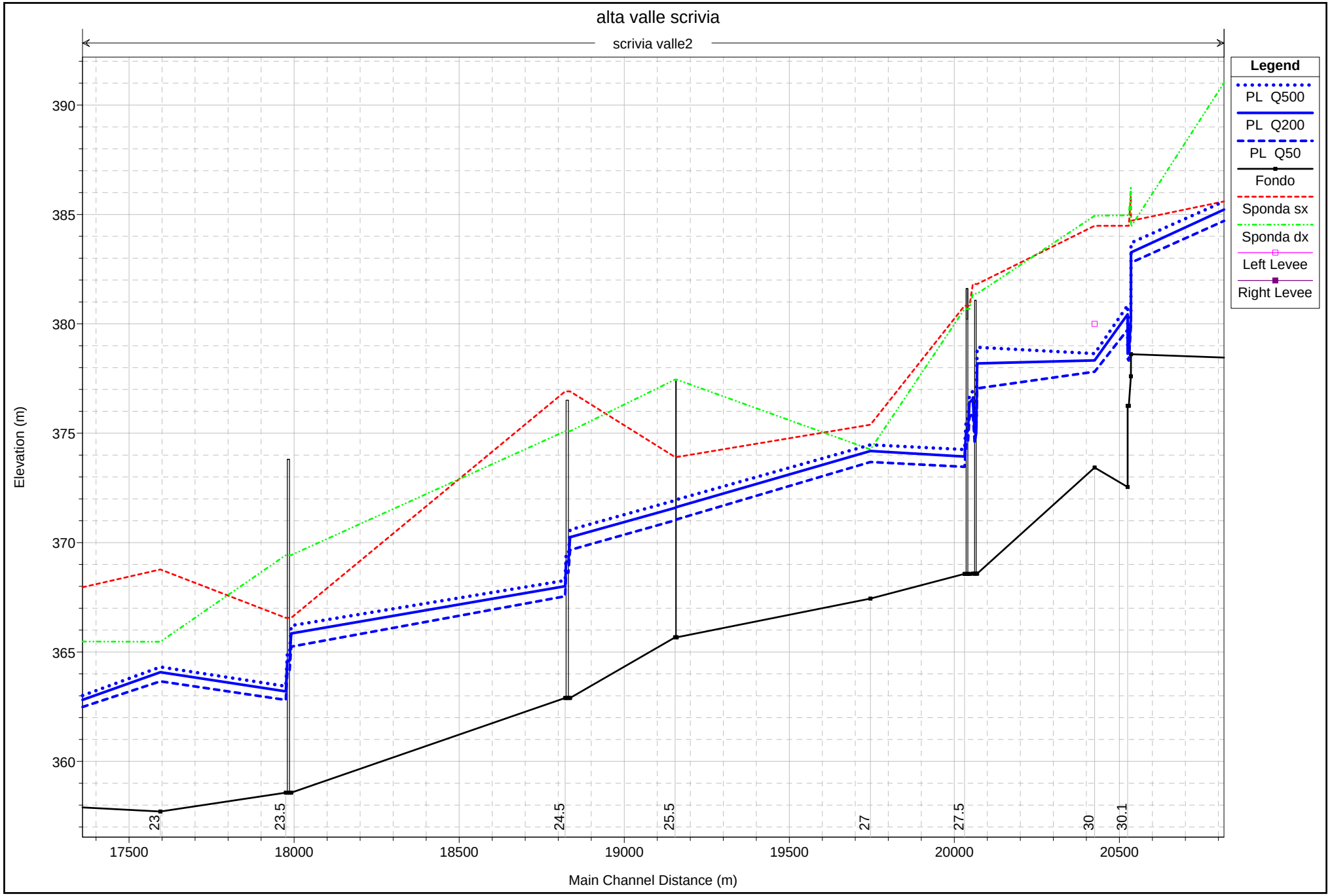
1 cm Horiz. = 150 m 1 cm Vert. = 2.771884 m



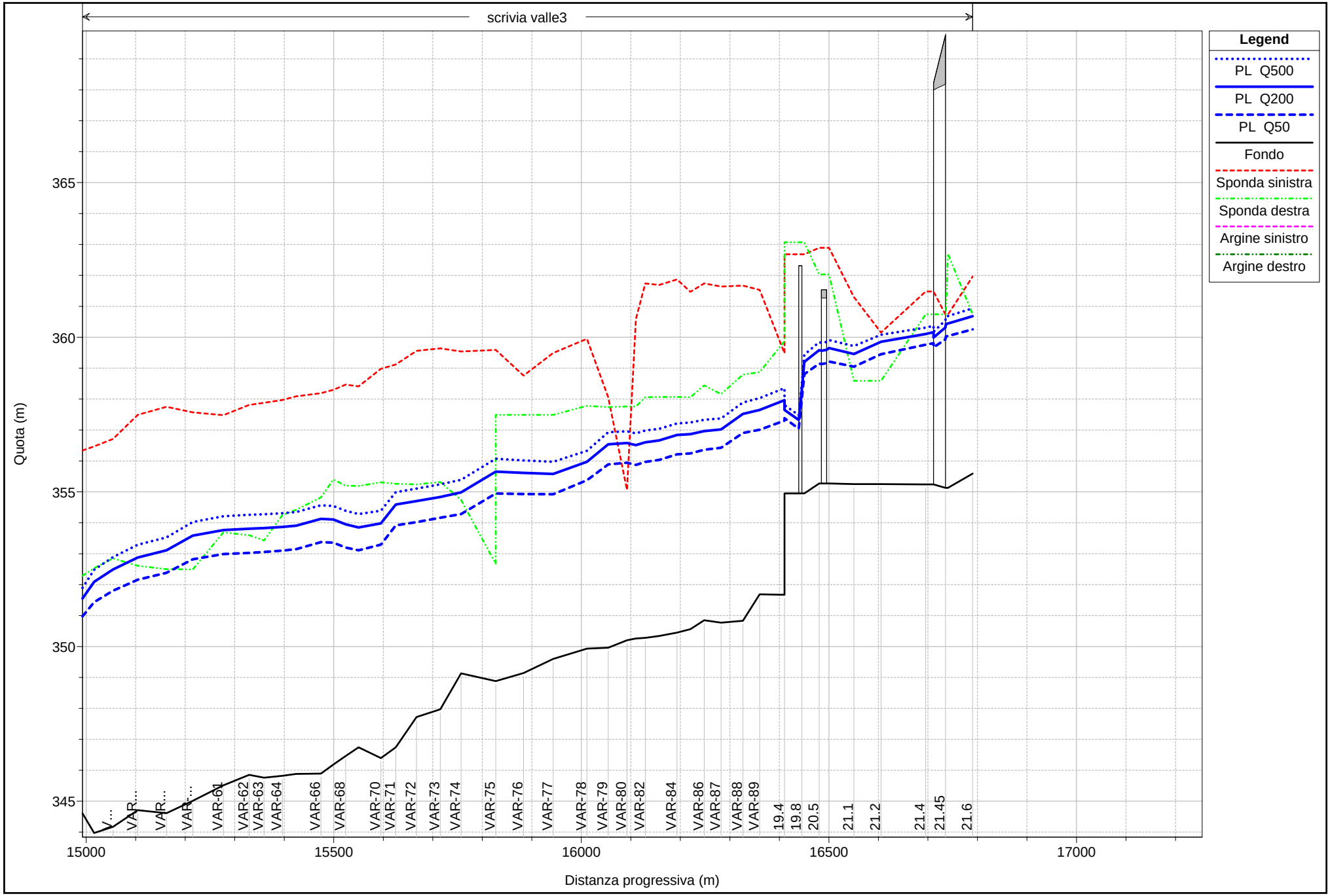
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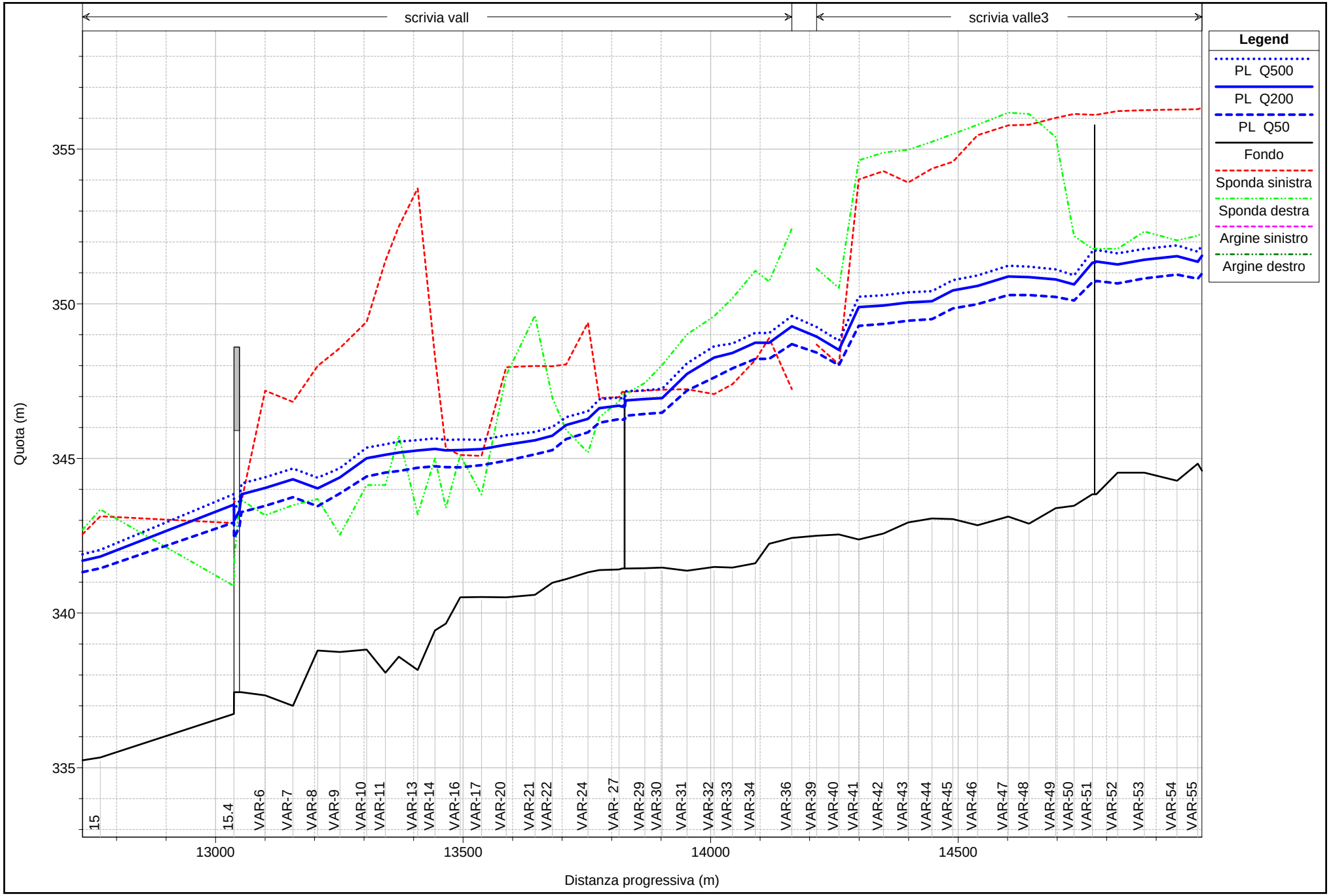
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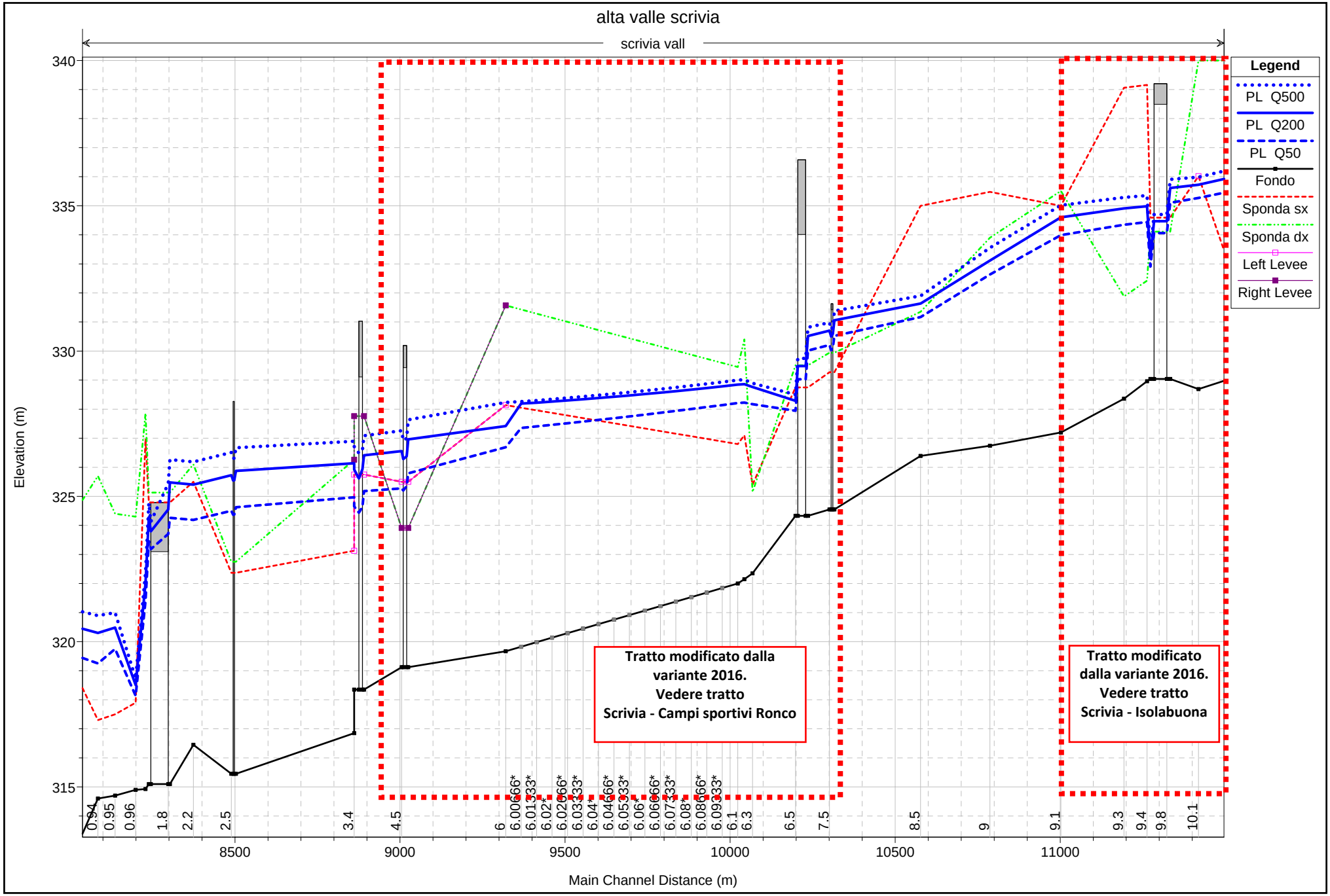
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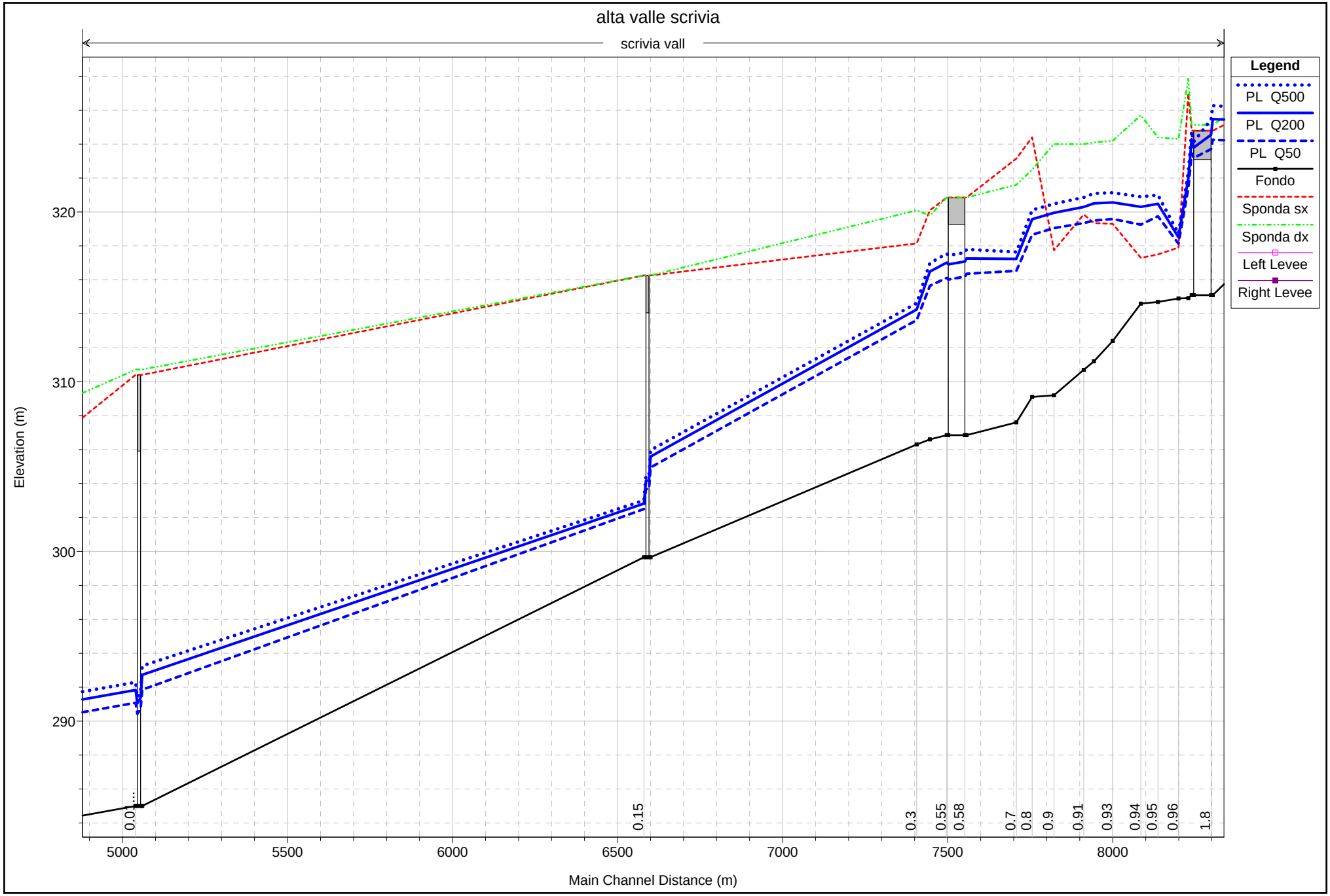
1 cm Horiz. = 100 m 1 cm Vert. = 1.6 m



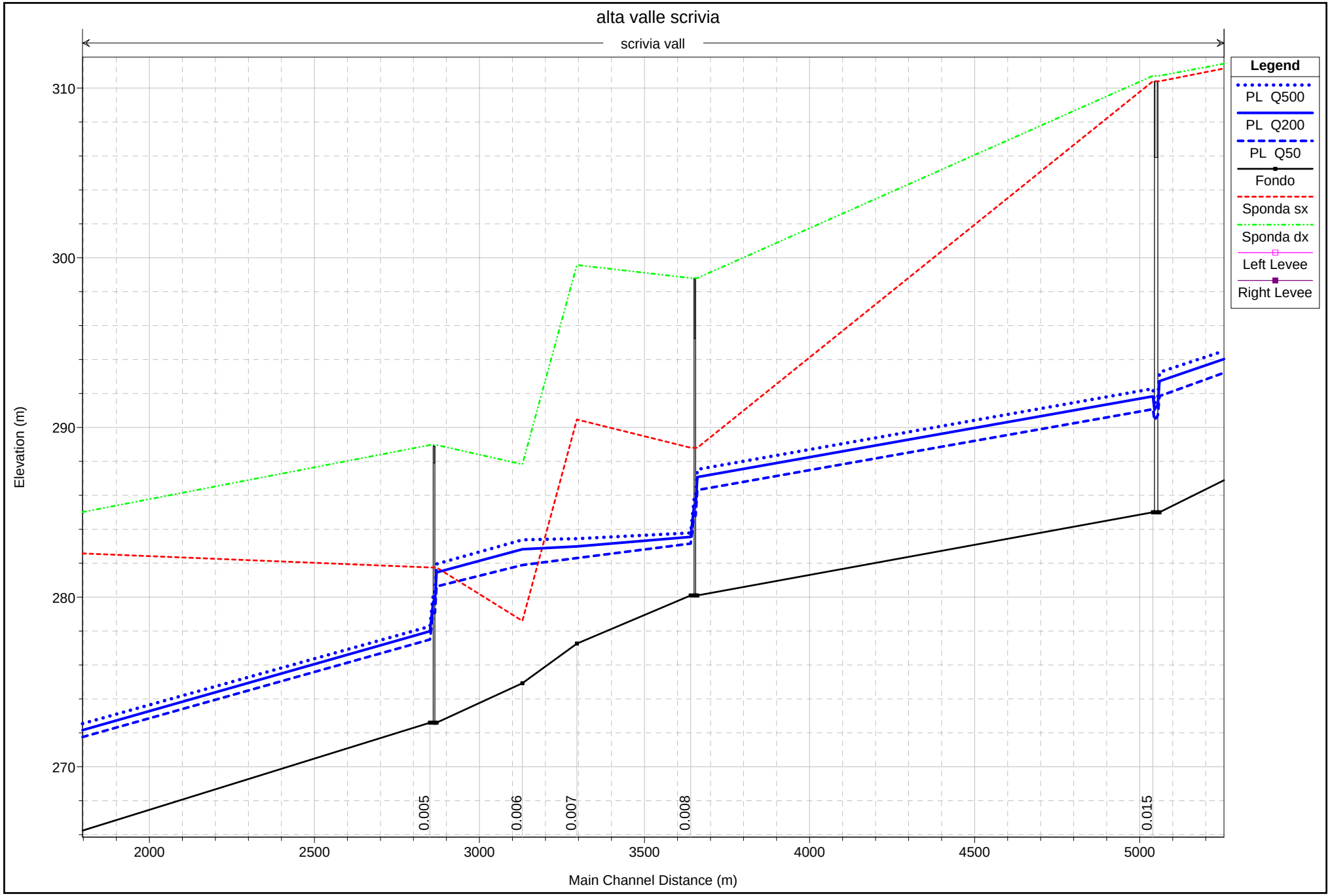
1 cm Horiz. = 100 m 1 cm Vert. = 1.6 m



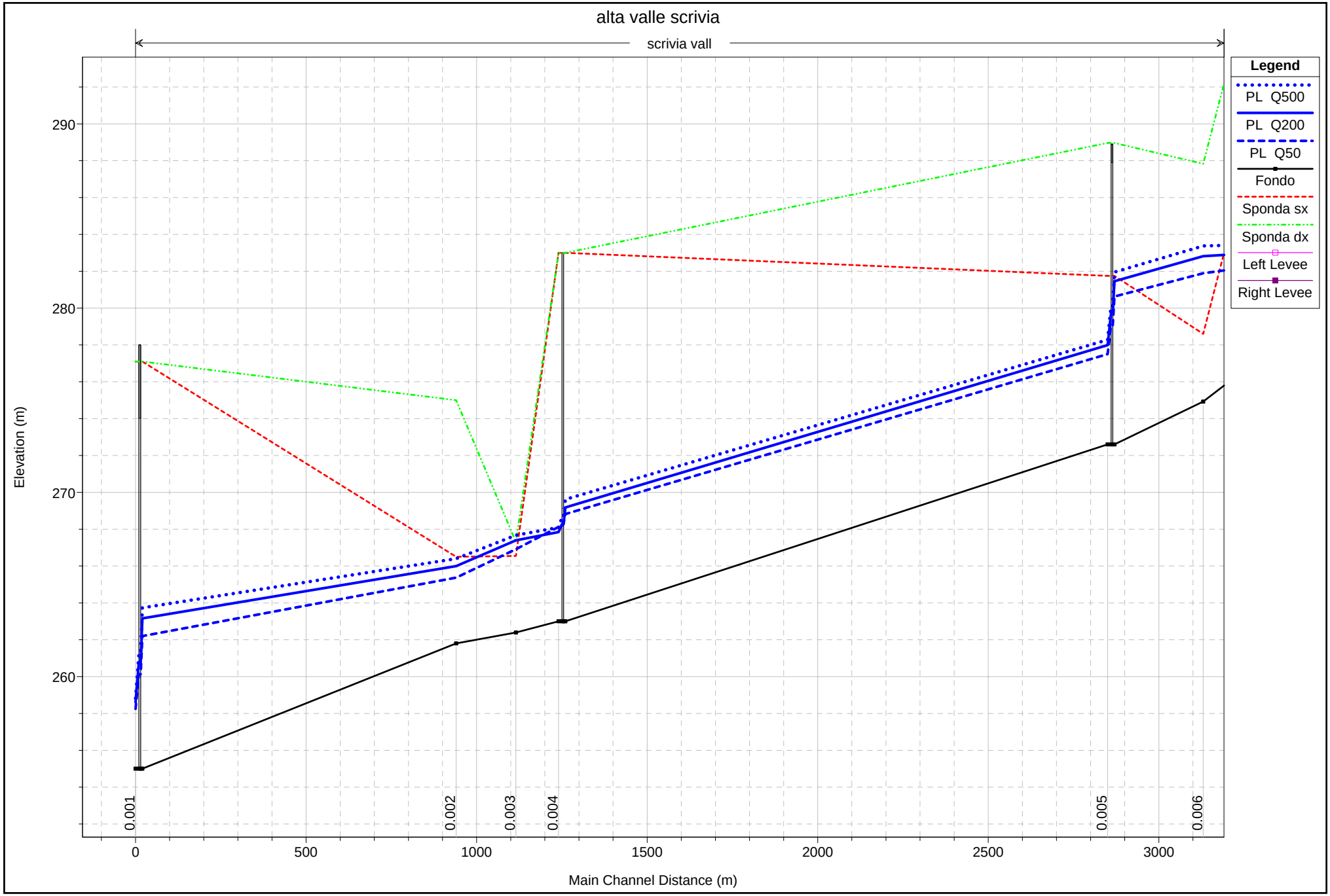
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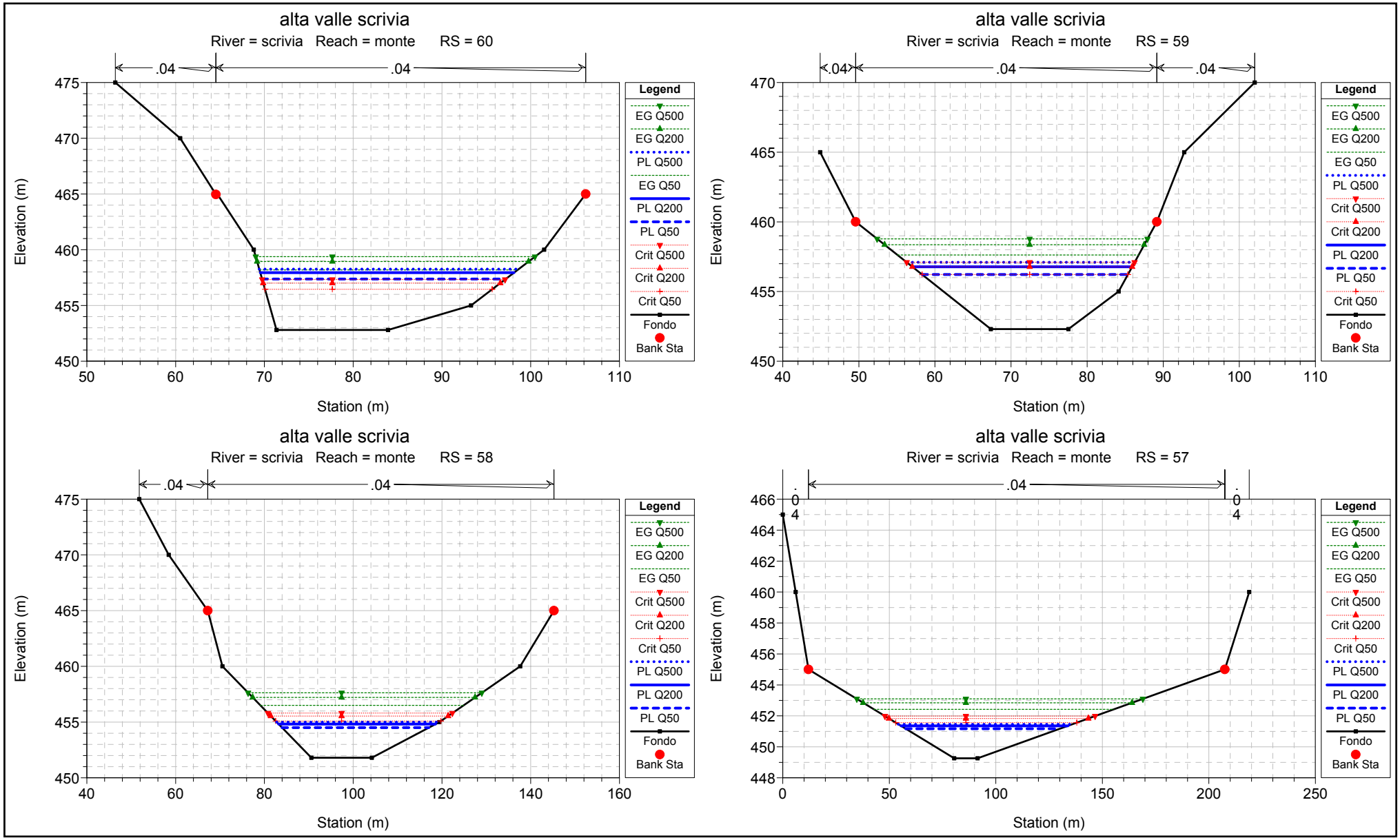


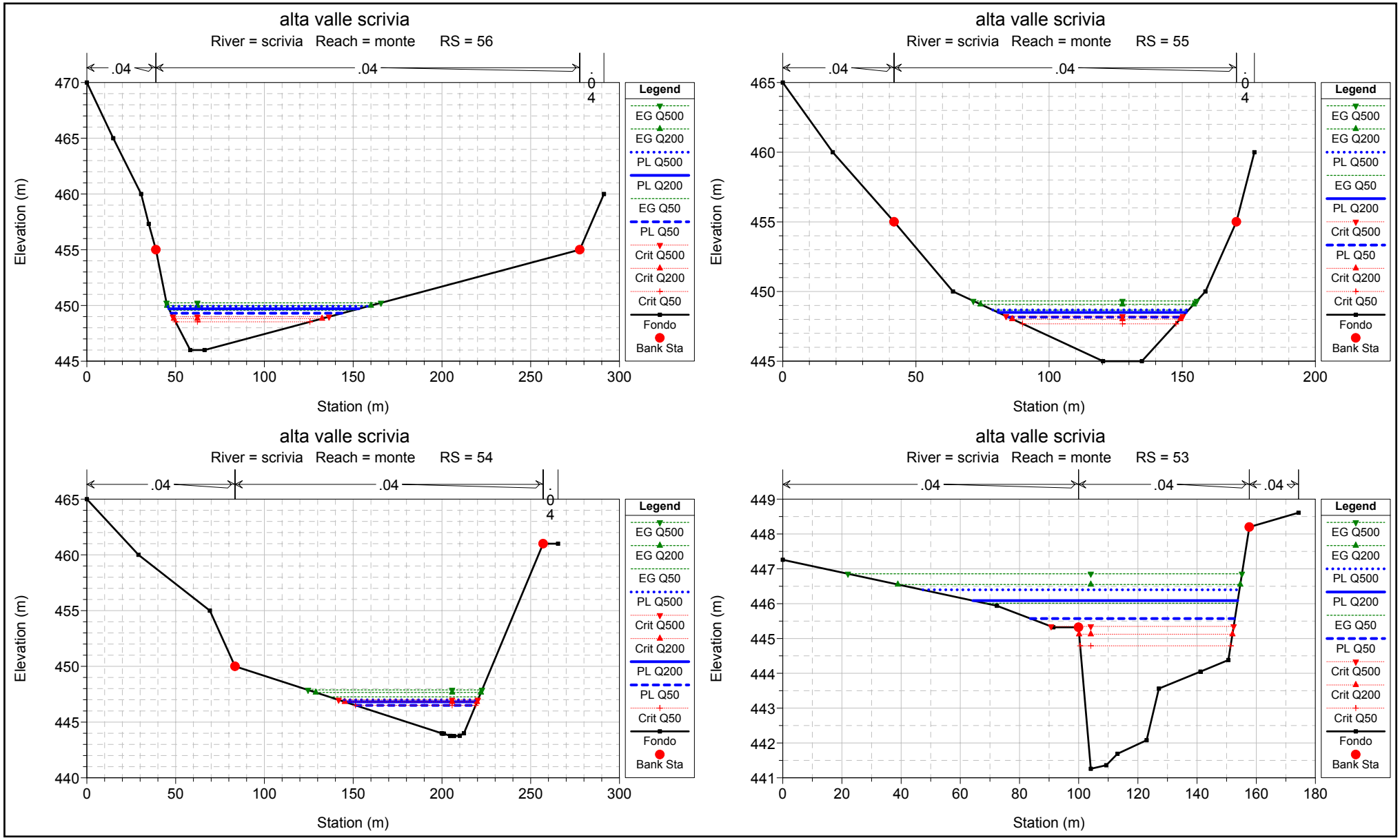
1 cm Horiz. = 150 m 1 cm Vert. = 2.915979 m

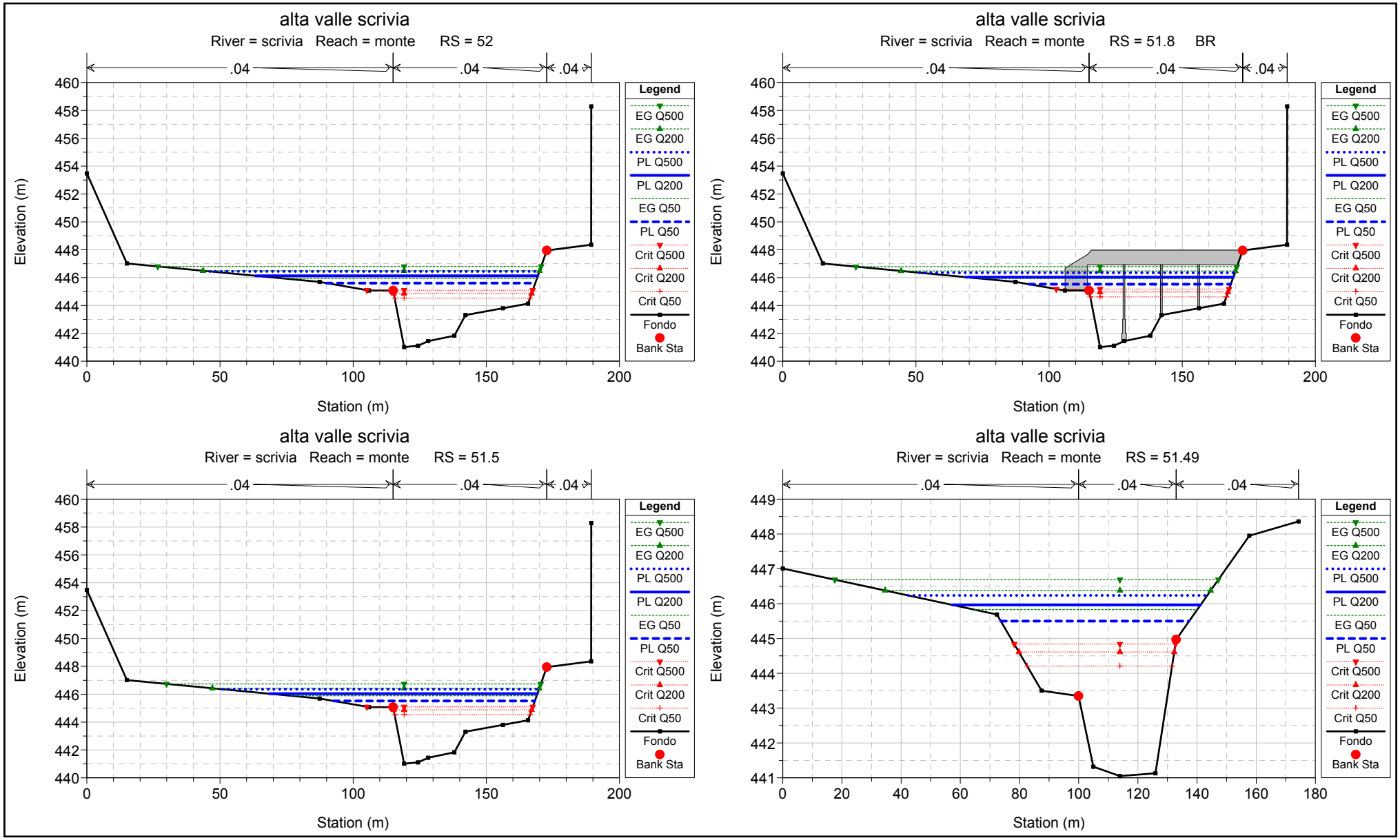


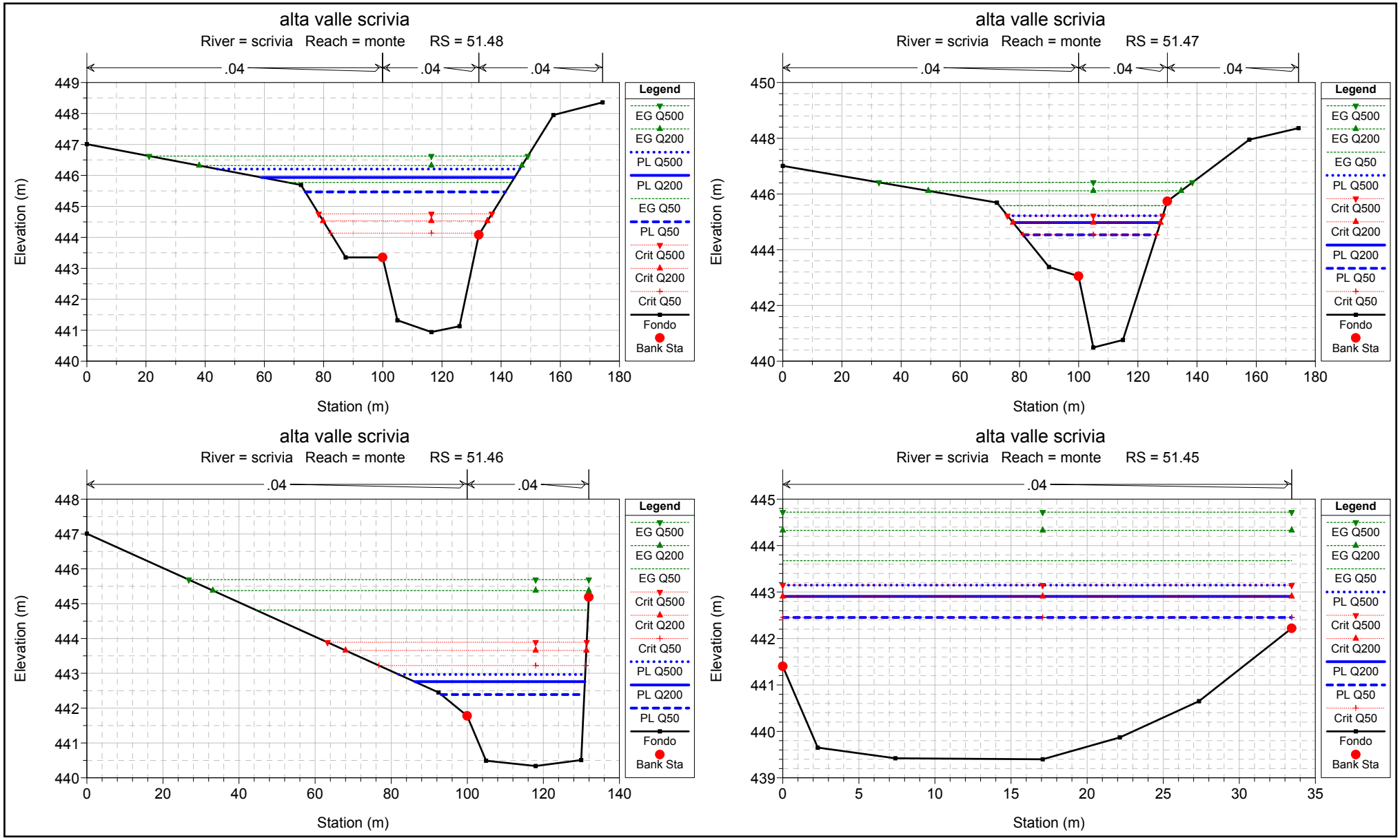
1 cm Horiz. = 150 m 1 cm Vert. = 2.915979 m

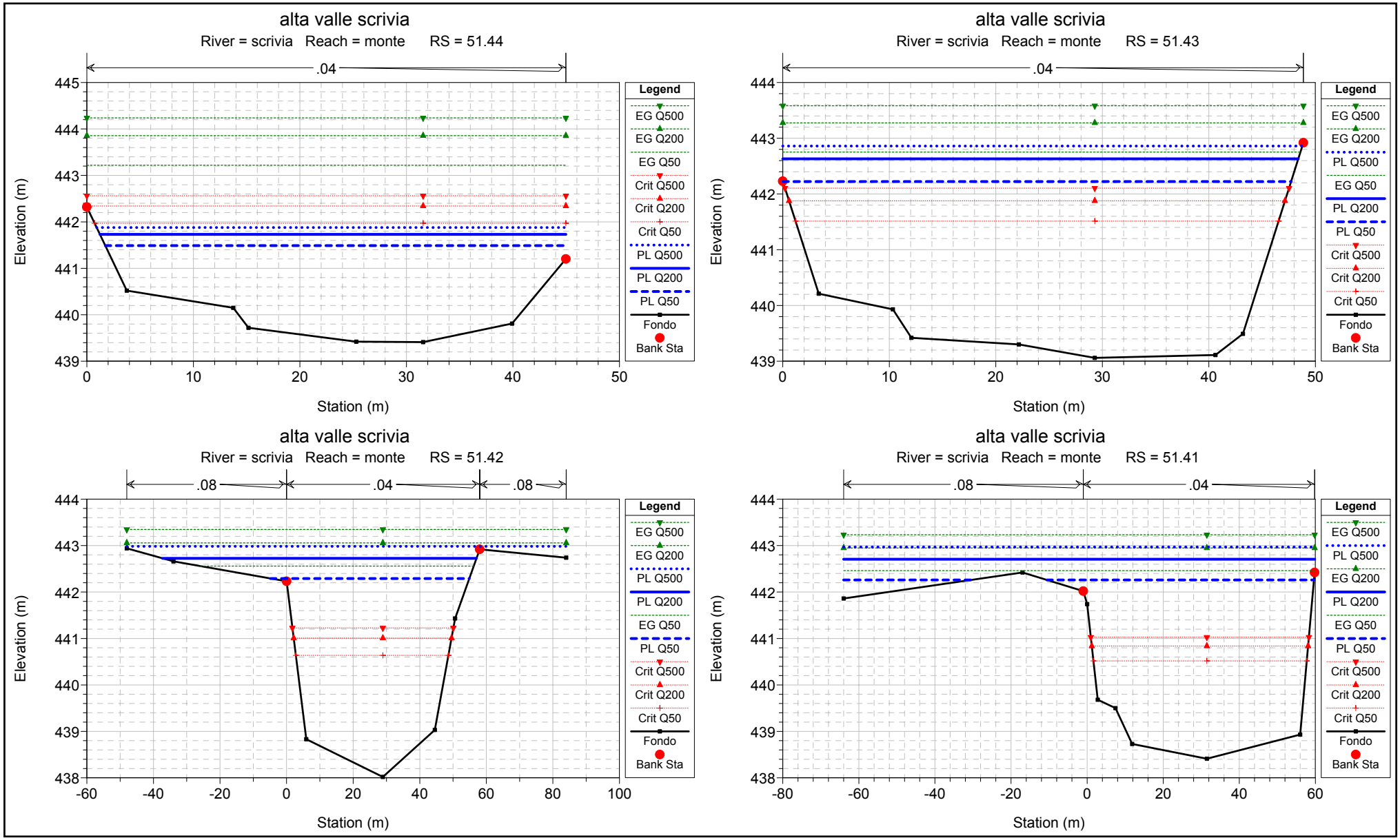

alta valle scrivia
scrivia vall
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Left Levee
Right Levee
Elevation (m)
290
280
270
260
0.001
0.002
0.003
0.004
0.005
0.006
0
500
1000
1500
2000
2500
3000
Main Channel Distance (m)

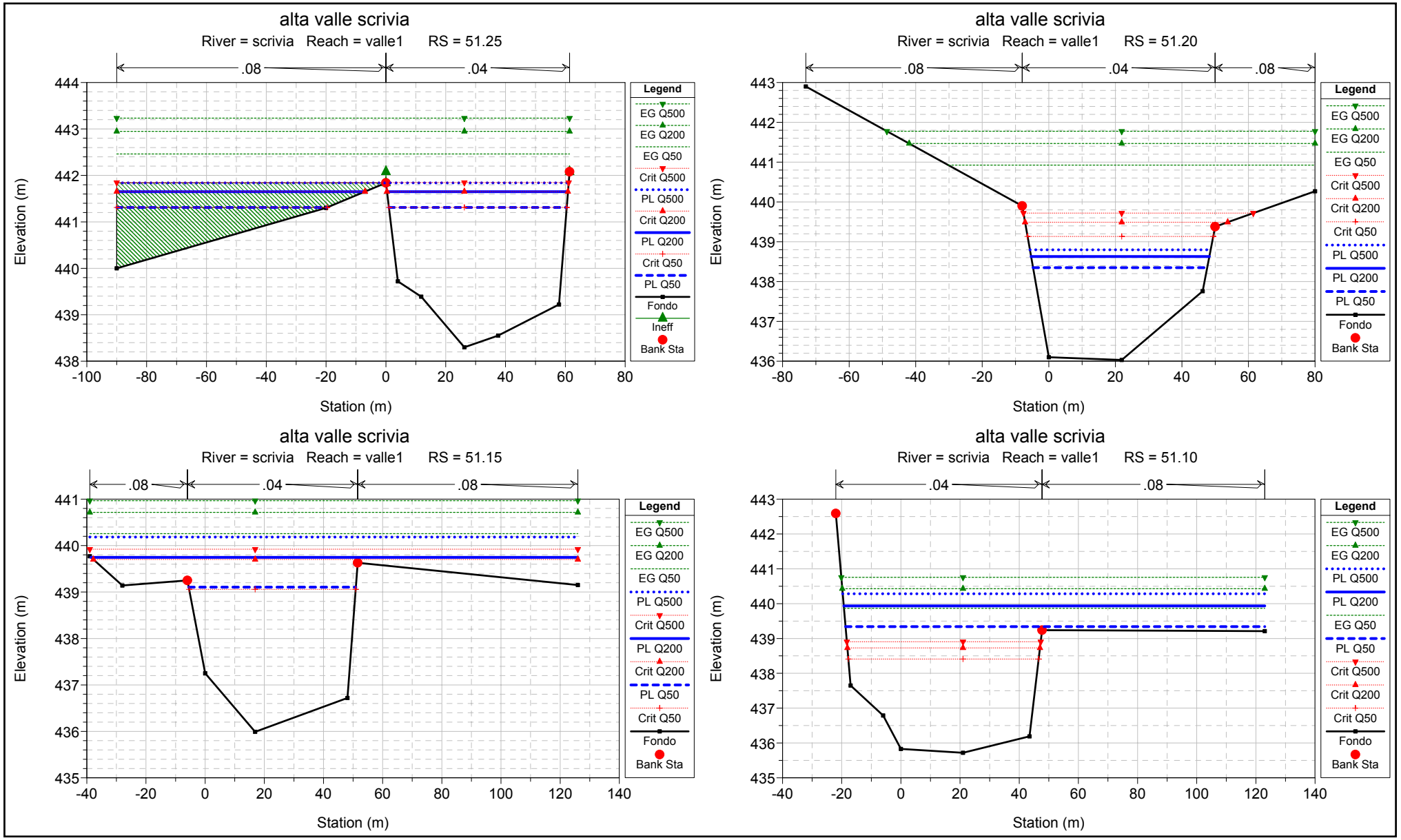

alta valle scrivia
River = scrivia Reach = monte RS = 60
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 59
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 58
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 57
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

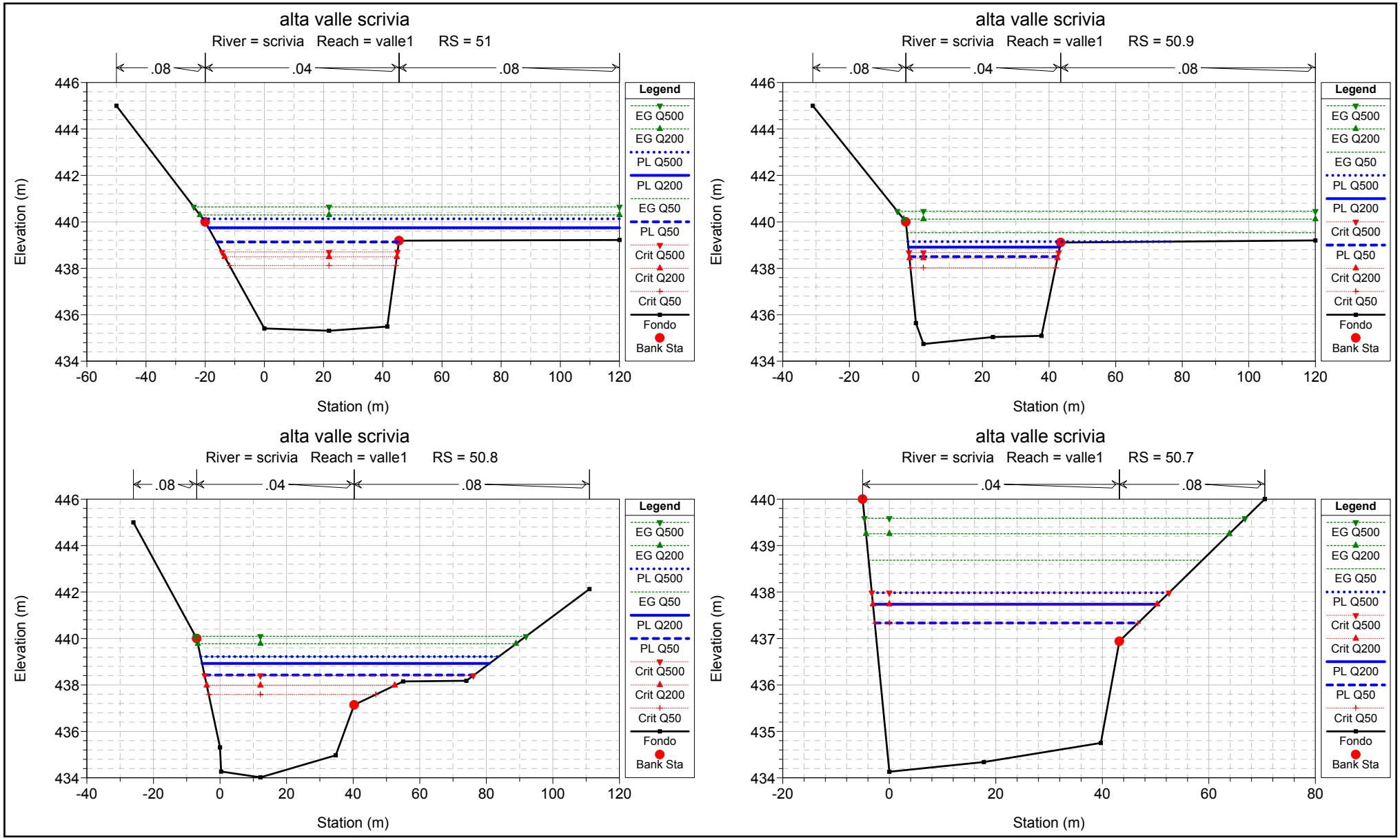

alta valle scrivia
River = scrivia Reach = monte RS = 56
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 55
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 54
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 53
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

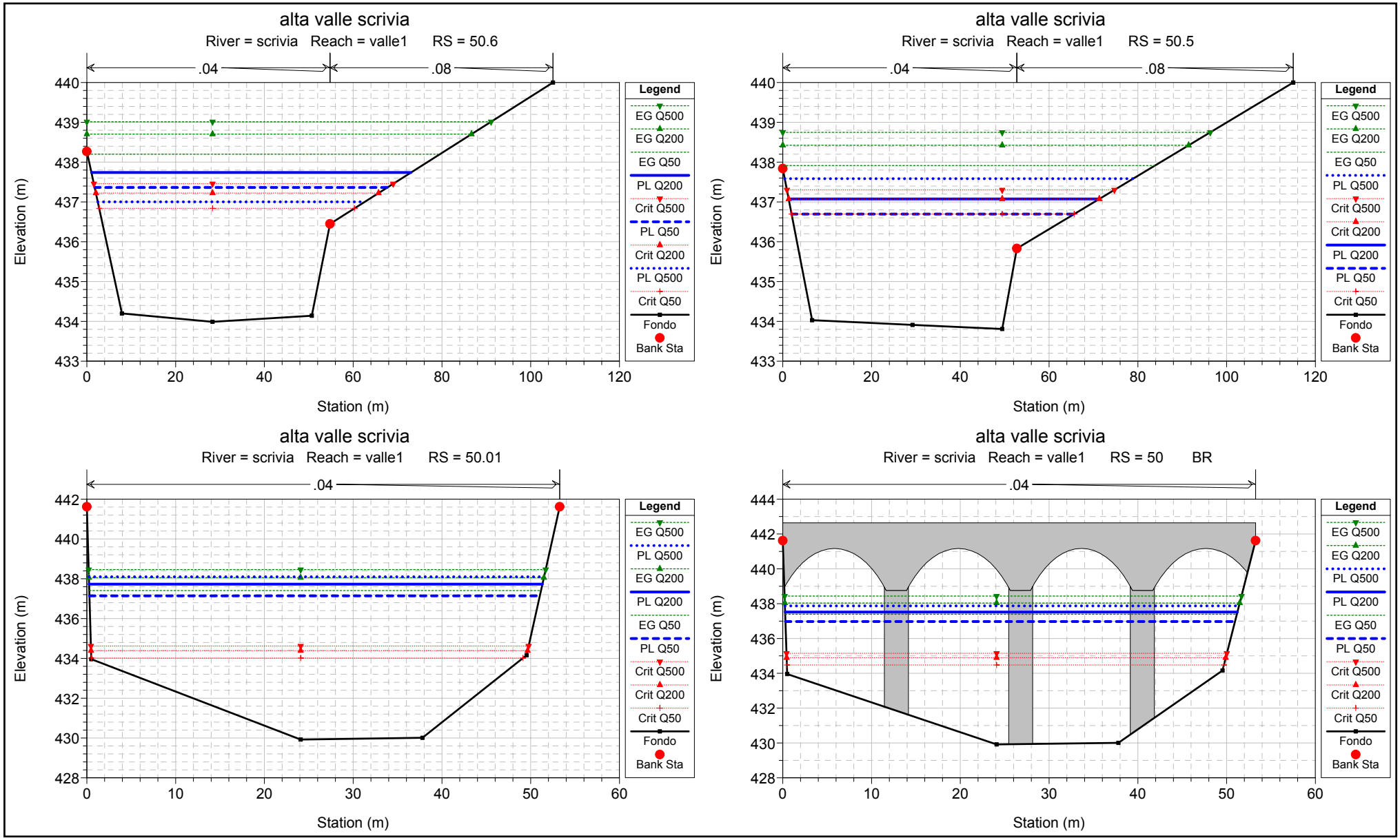

alta valle scrivia
River = scrivia Reach = monte RS = 52
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 51.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 51.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 51.49
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

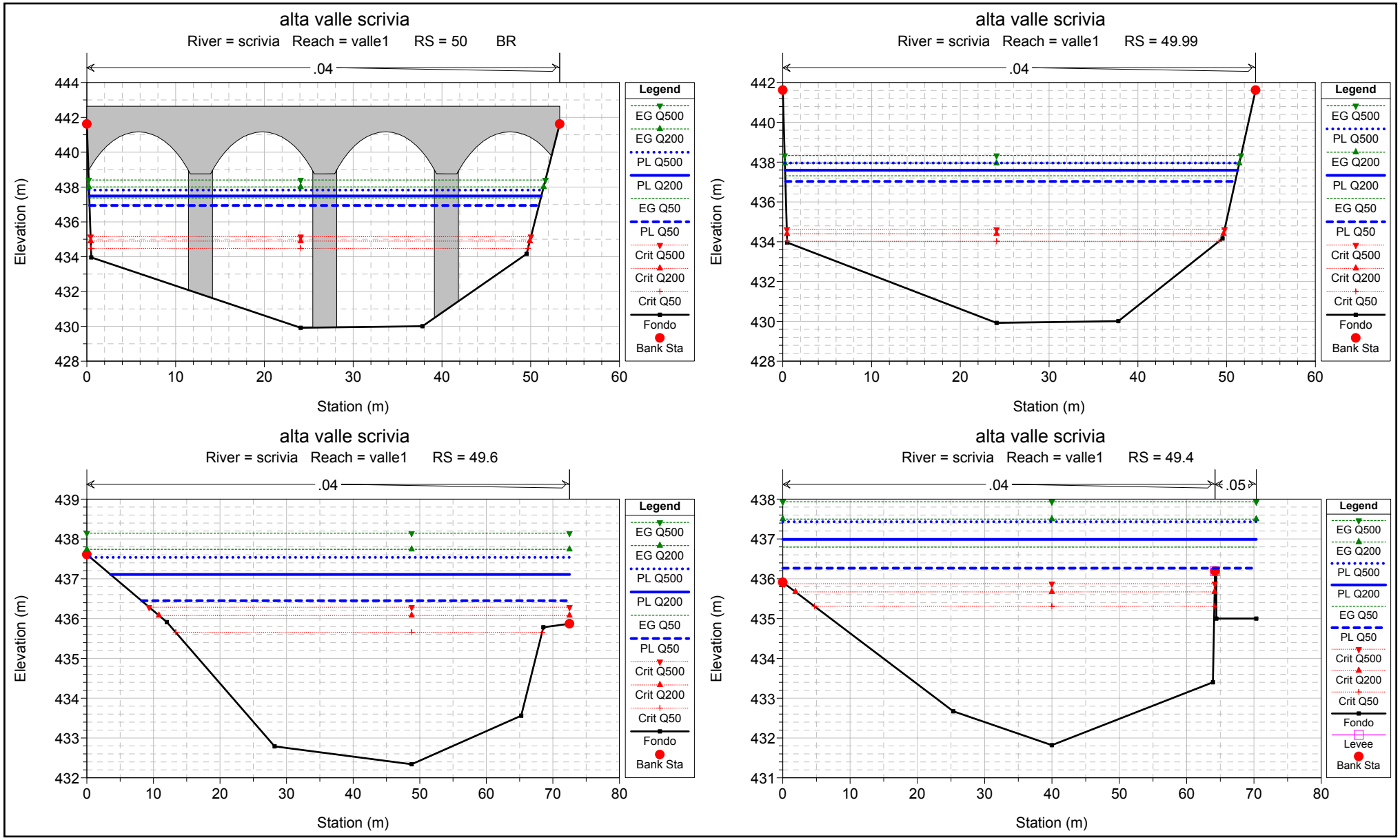

alta valle scrivia
River = scrivia Reach = monte RS = 51.48
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 51.47
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 51.46
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 51.45
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

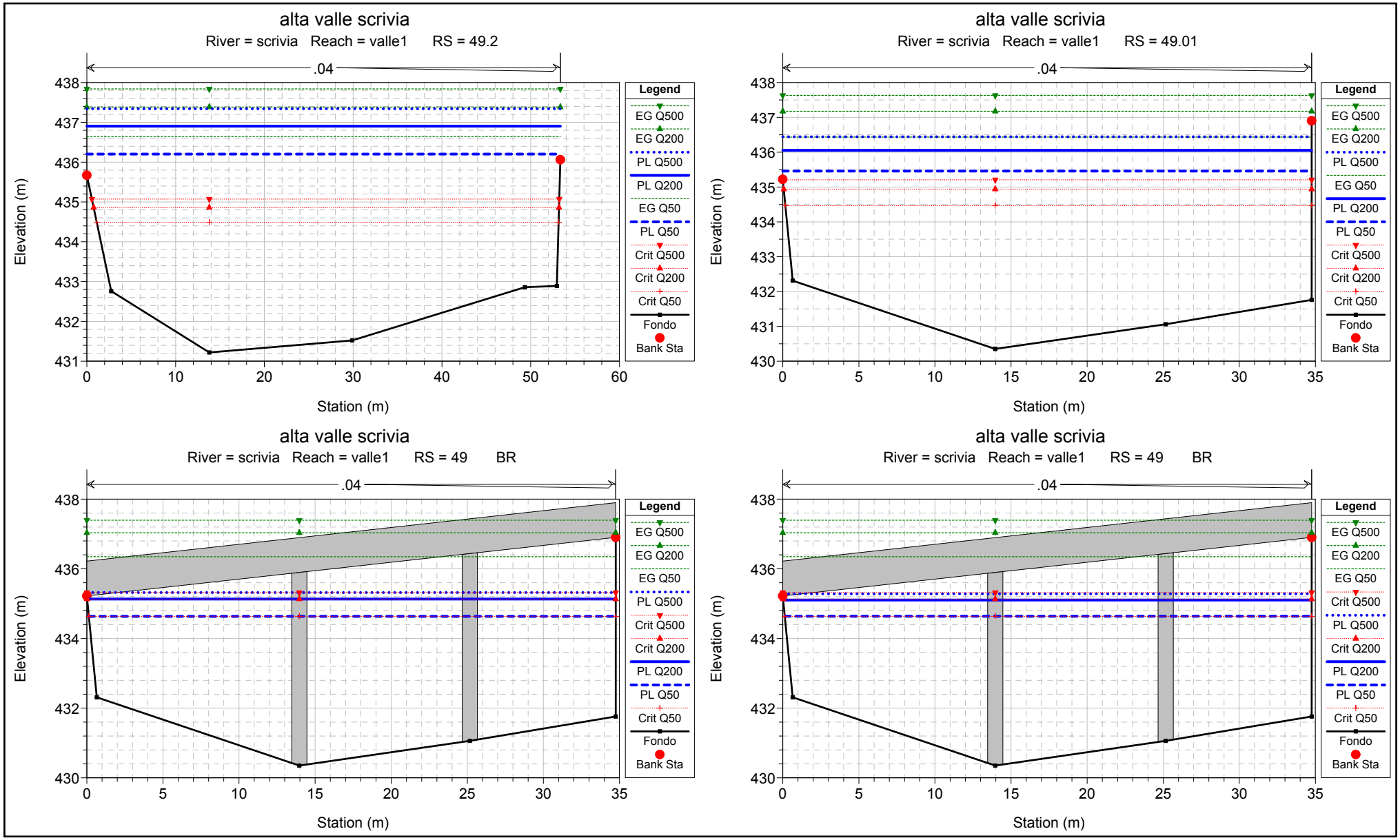

alta valle scrivia
River = scrivia Reach = monte RS = 51.44
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 51.43
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 51.42
.08
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = monte RS = 51.41
.08
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

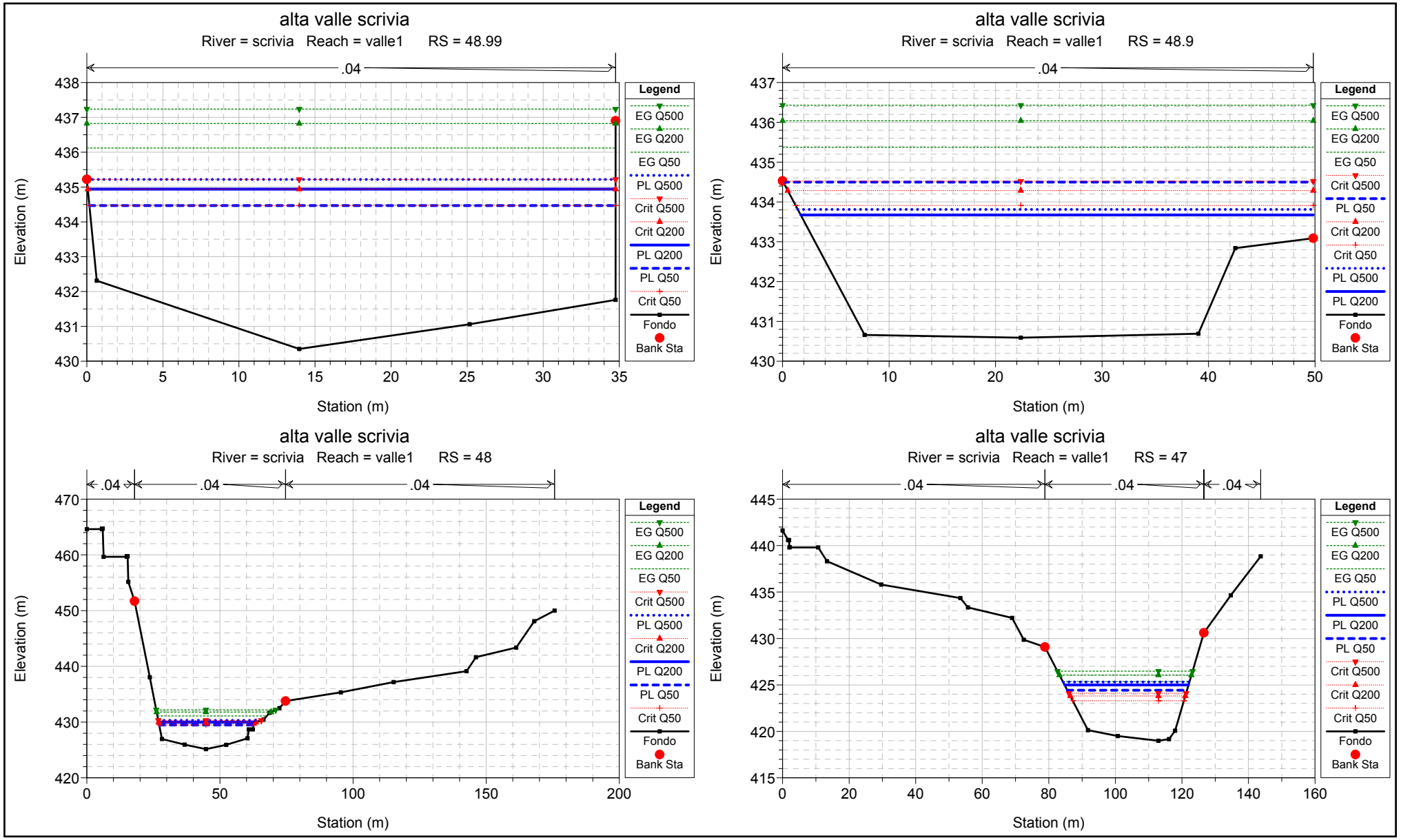

alta valle scrivia
River = scrivia Reach = valle1 RS = 51.25
.08
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Ineff
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 51.20
.08
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 51.15
.08
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 51.10
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

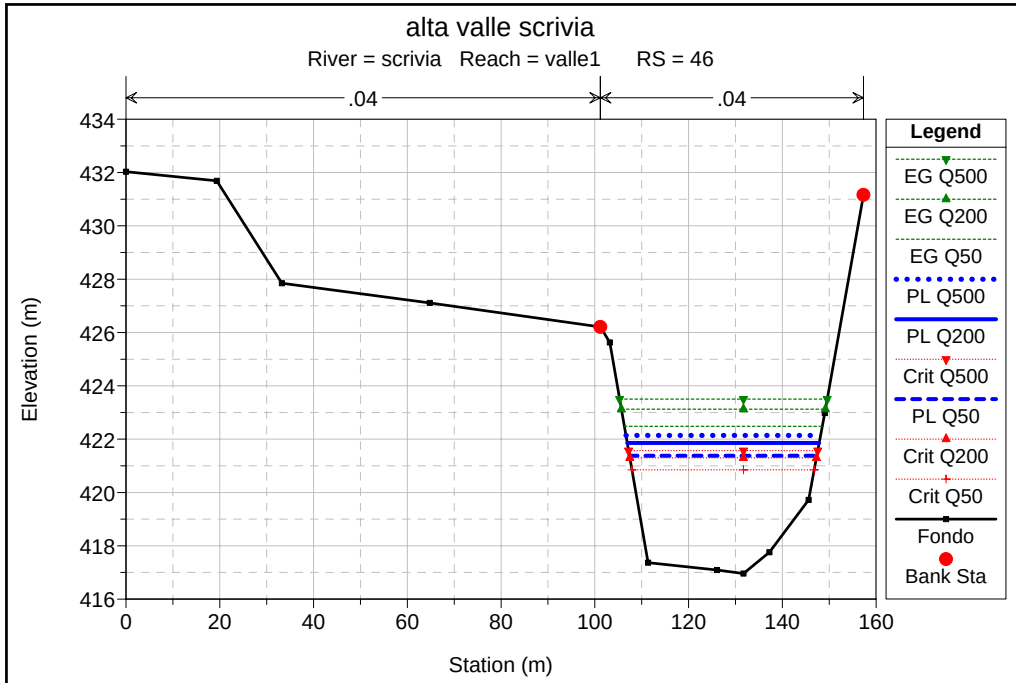

alta valle scrivia
River = scrivia Reach = valle1 RS = 51
.08
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 50.9
.08
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 50.8
.08
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 50.7
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

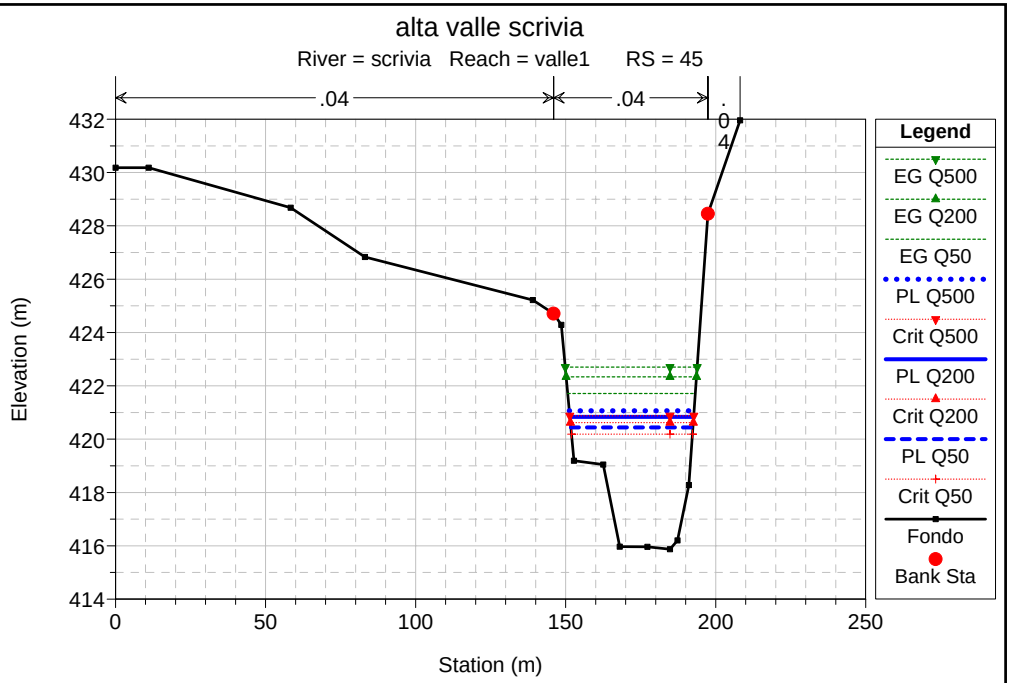

alta valle scrivia
River = scrivia Reach = valle1 RS = 50.6
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
PL Q500
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 50.5
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 50.01
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 50 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

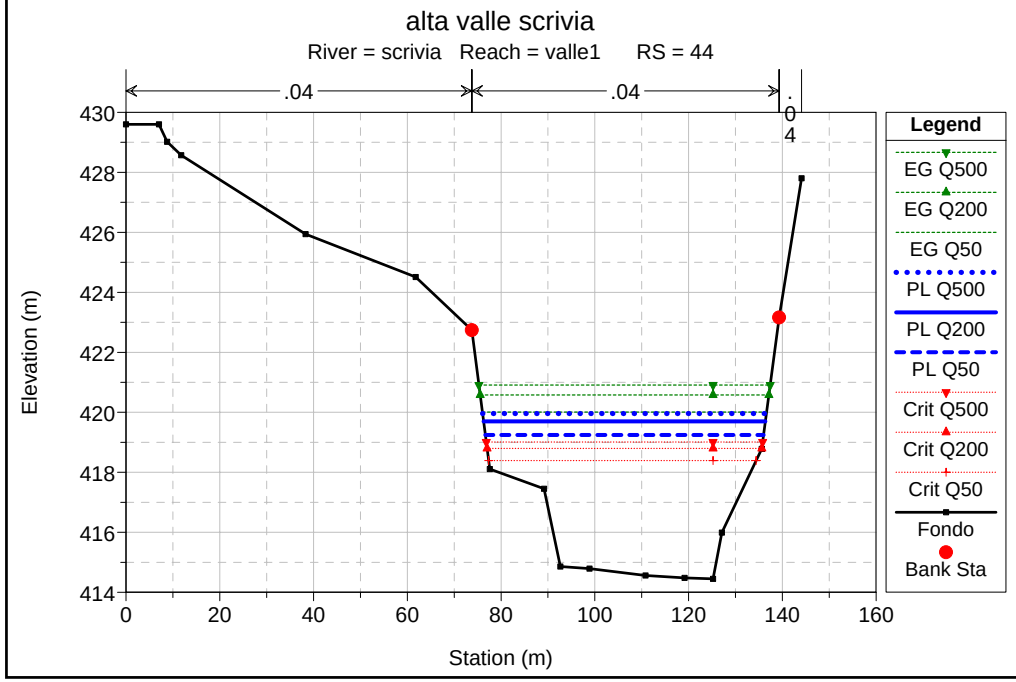

alta valle scrivia
River = scrivia Reach = valle1 RS = 50 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 49.99
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 49.6
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 49.4
.04
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

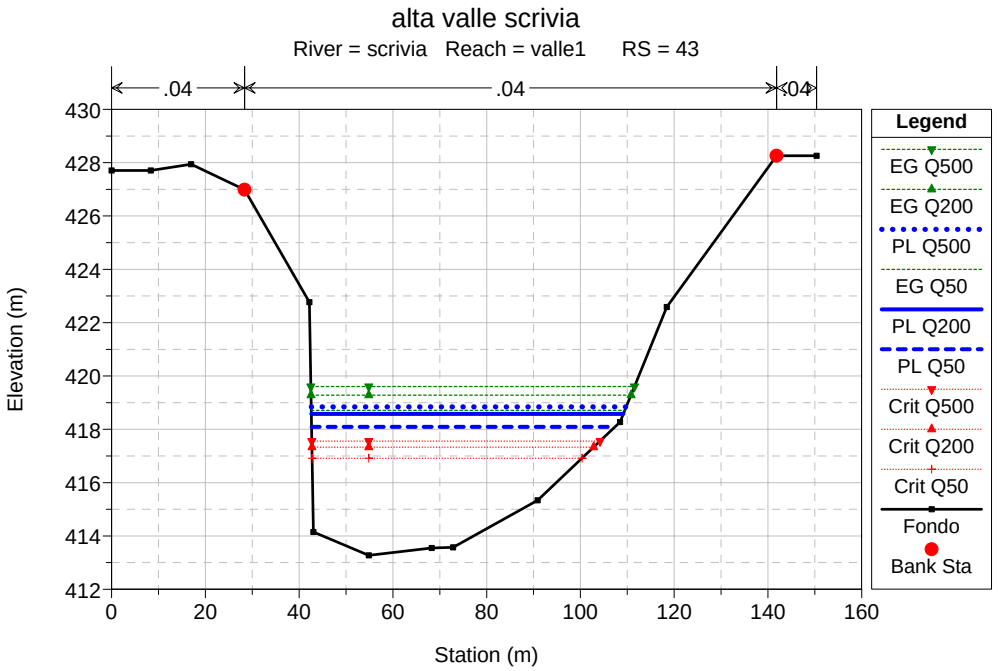

alta valle scrivia
River = scrivia Reach = valle1 RS = 49.2
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 49.01
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 49 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 49 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

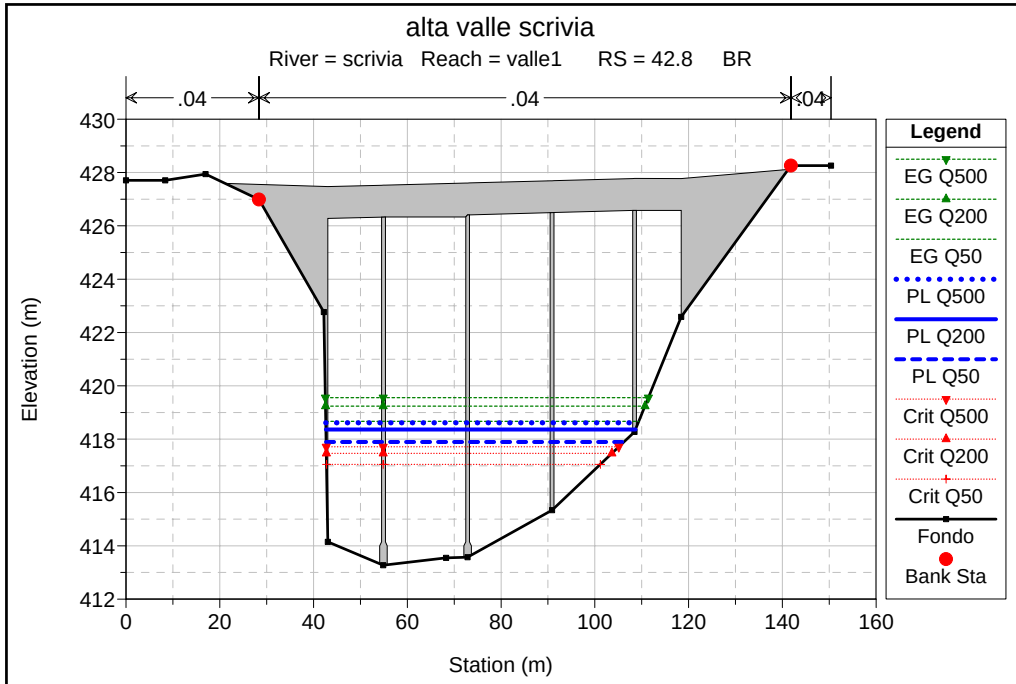

alta valle scrivia
River = scrivia Reach = valle1 RS = 48.99
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 48.9
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
PL Q500
PL Q200
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 48
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 47
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

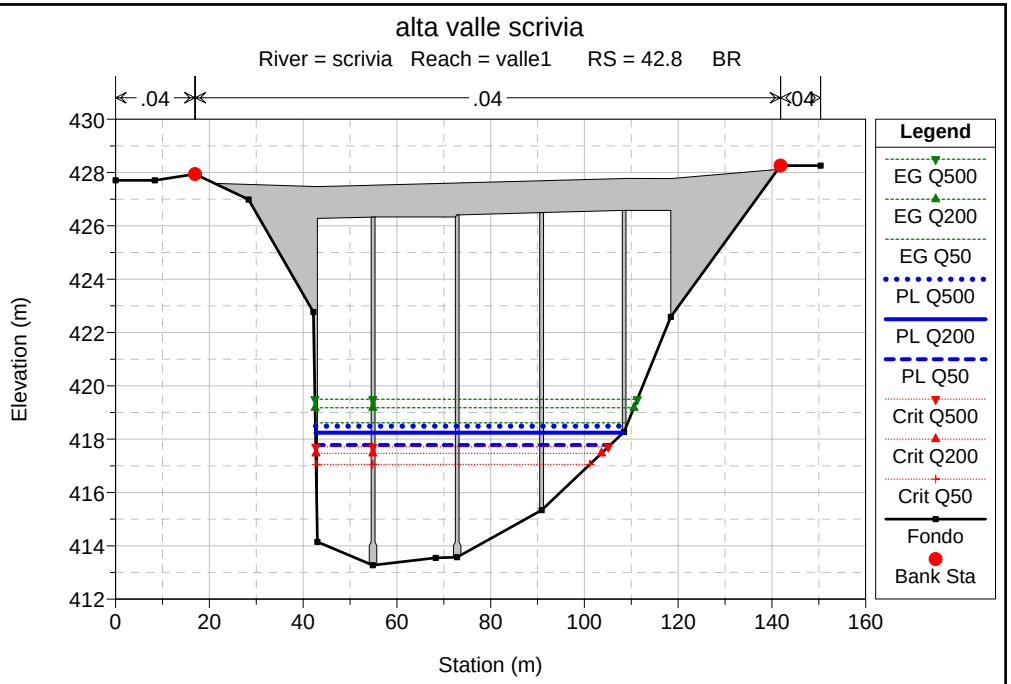

alta valle scrivia
River = scrivia Reach = valle1 RS = 46
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

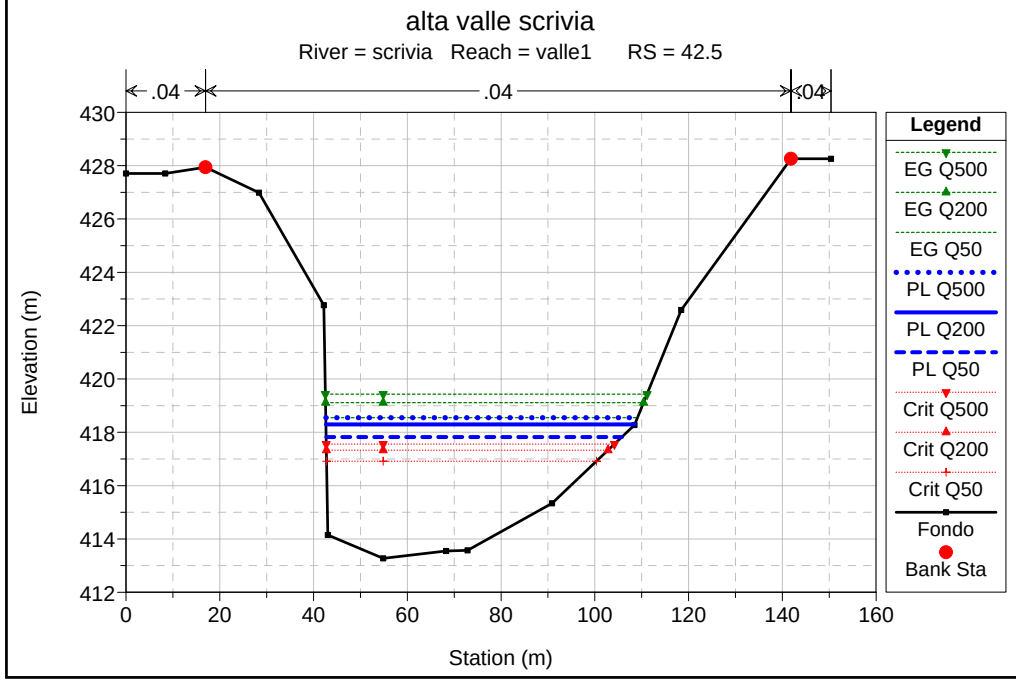

alta valle scrivia
River = scrivia Reach = valle1 RS = 45
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

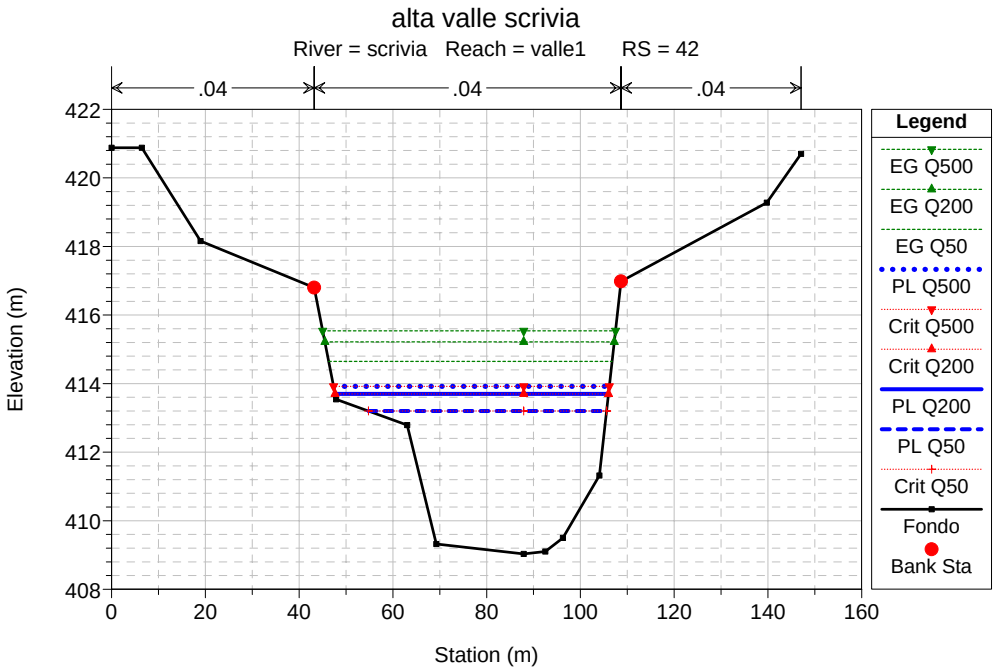

alta valle scrivia
River = scrivia Reach = valle1 RS = 44
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

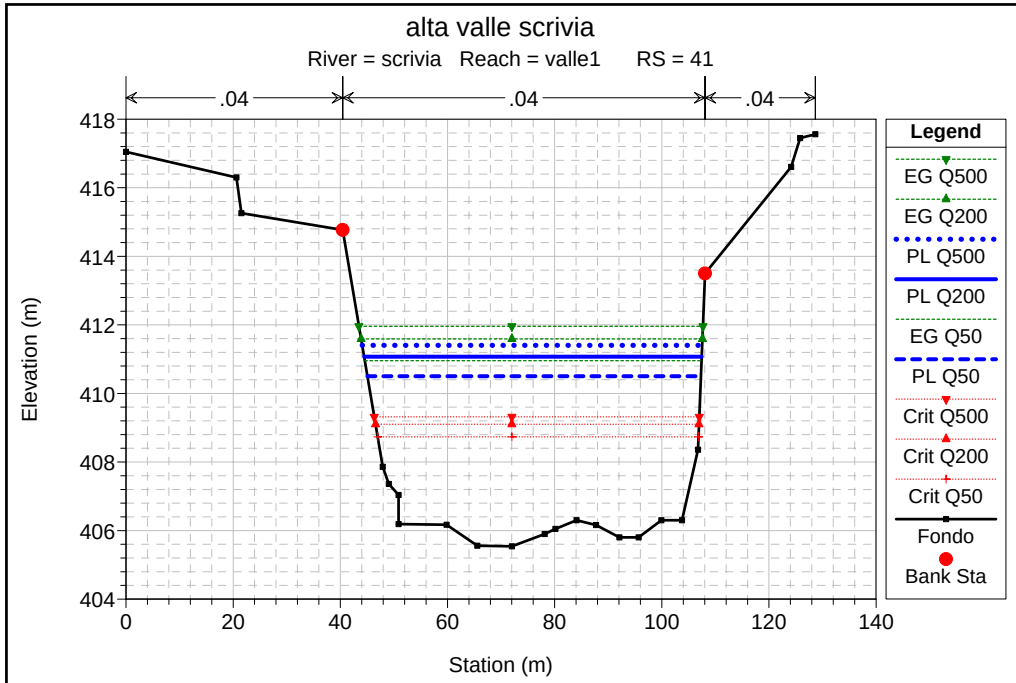

alta valle scrivia
River = scrivia Reach = valle1 RS = 43
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

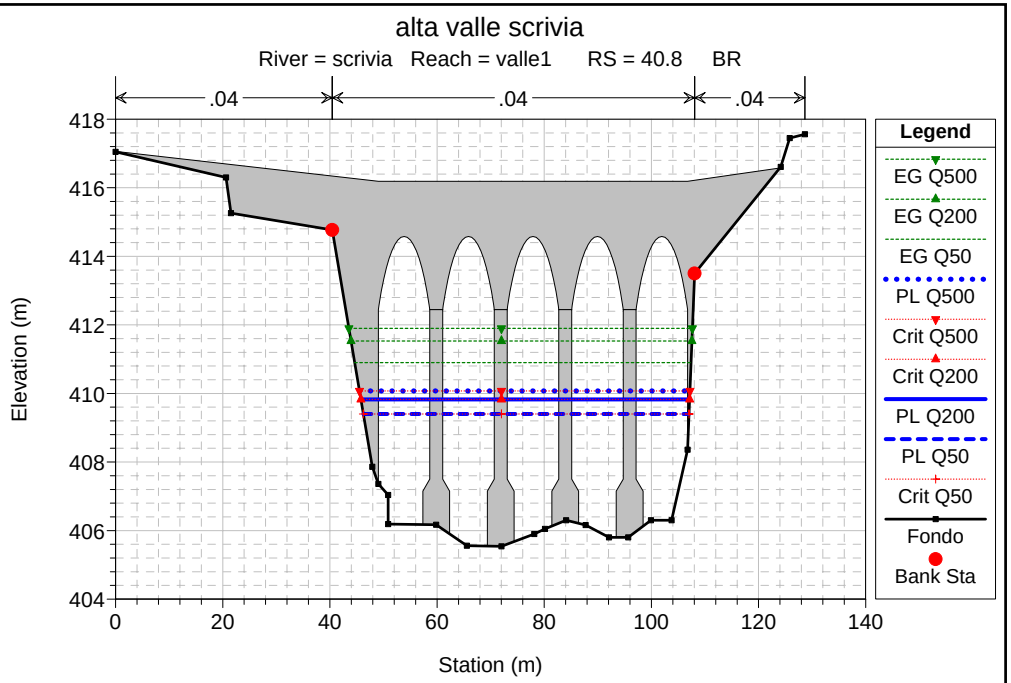

alta valle scrivia
River = scrivia Reach = valle1 RS = 42.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

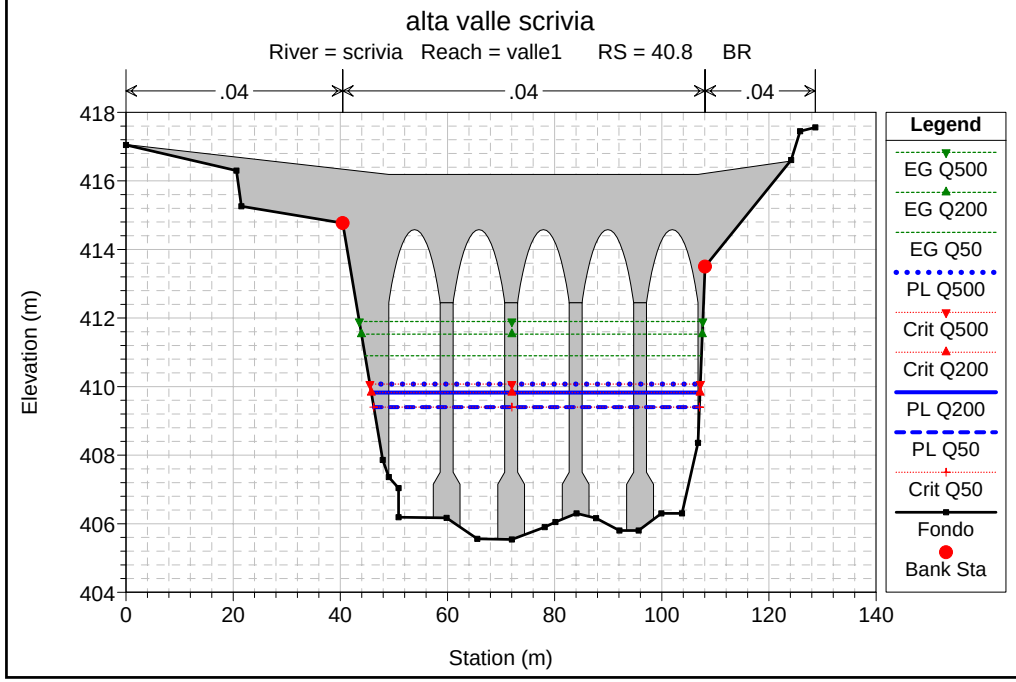

alta valle scrivia
River = scrivia Reach = valle1 RS = 42.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

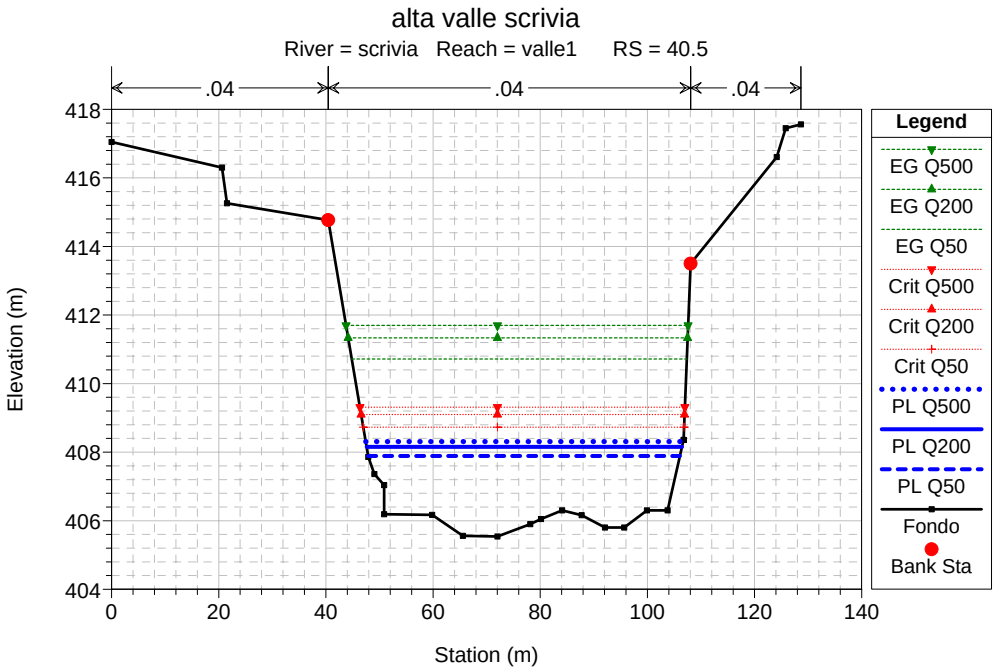

alta valle scrivia
River = scrivia Reach = valle1 RS = 42.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

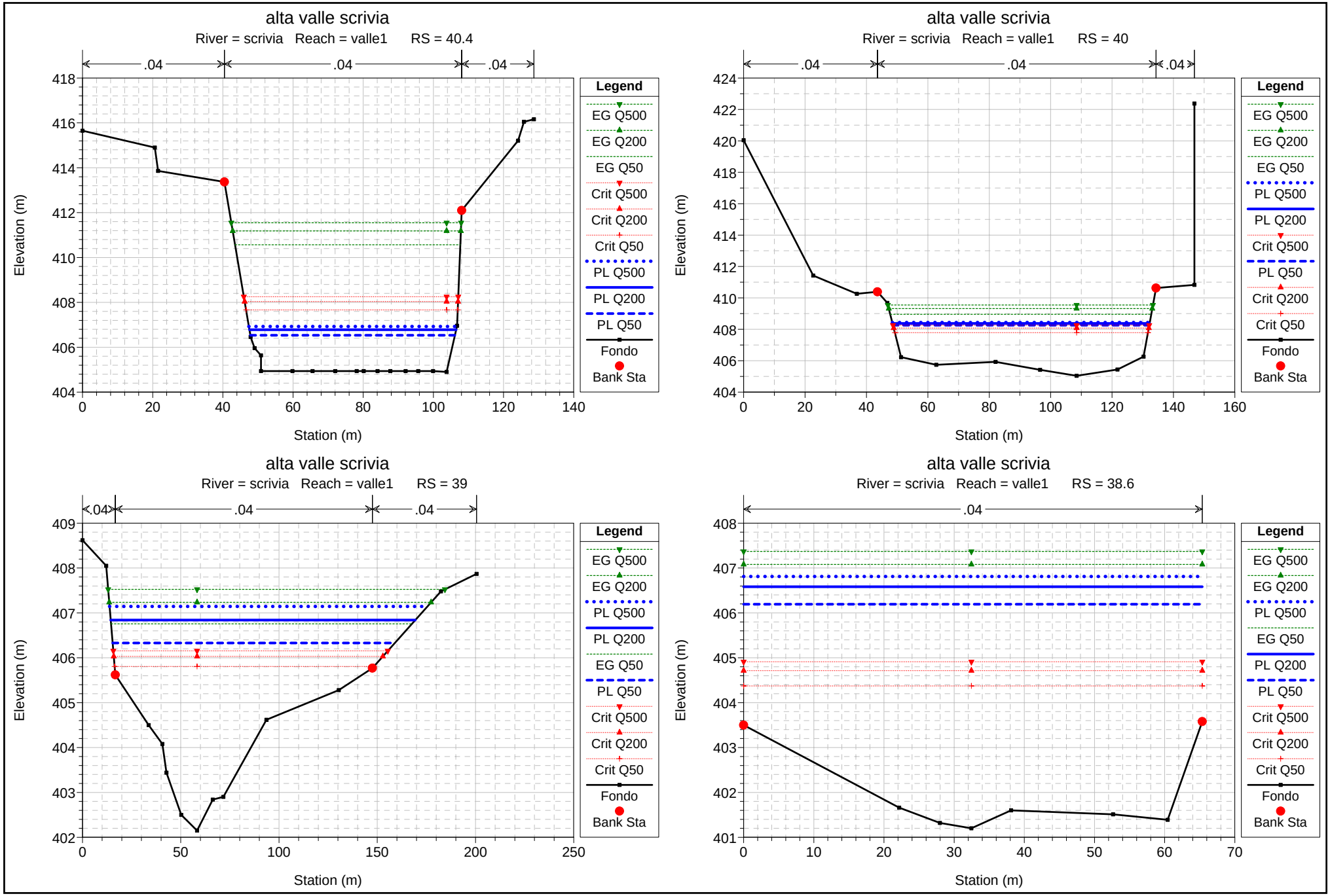

alta valle scrivia
River = scrivia Reach = valle1 RS = 42
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

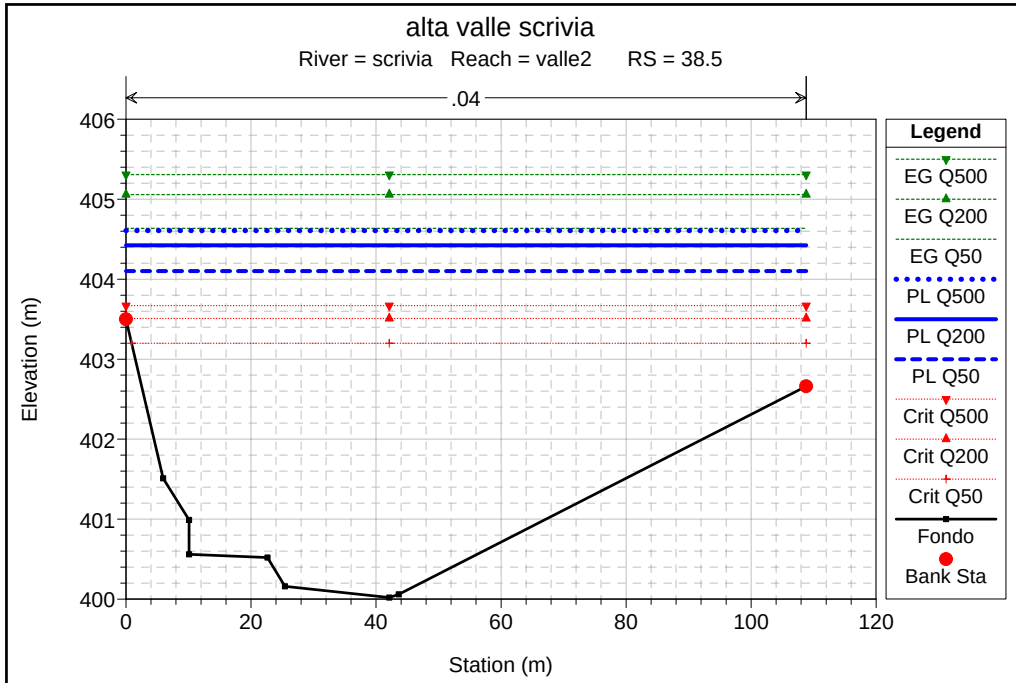

alta valle scrivia
River = scrivia Reach = valle1 RS = 41
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

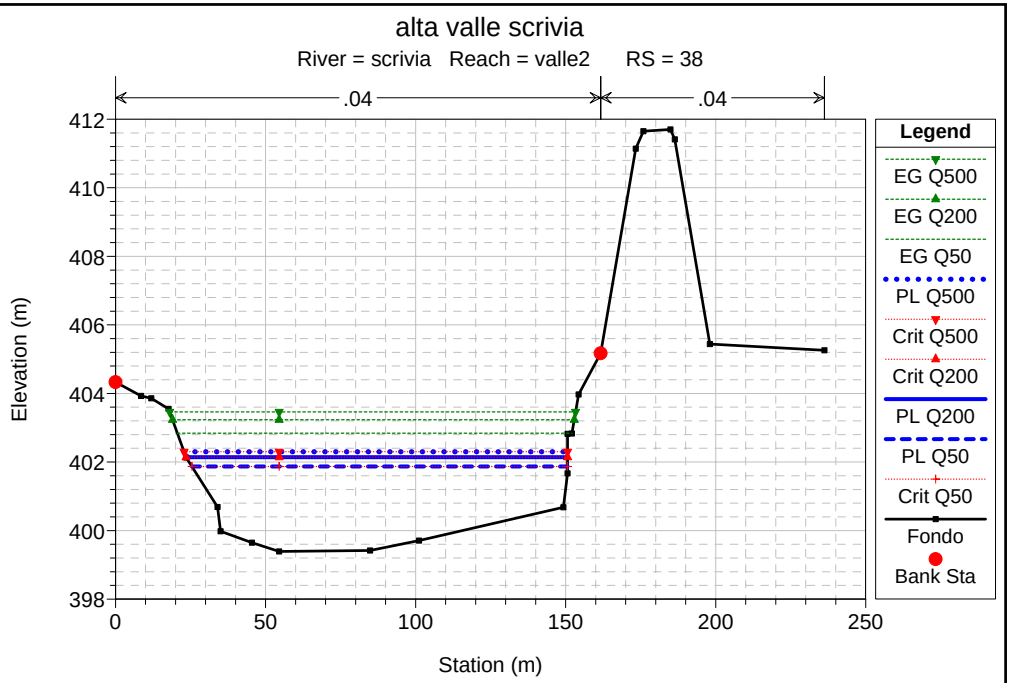

alta valle scrivia
River = scrivia Reach = valle1 RS = 40.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

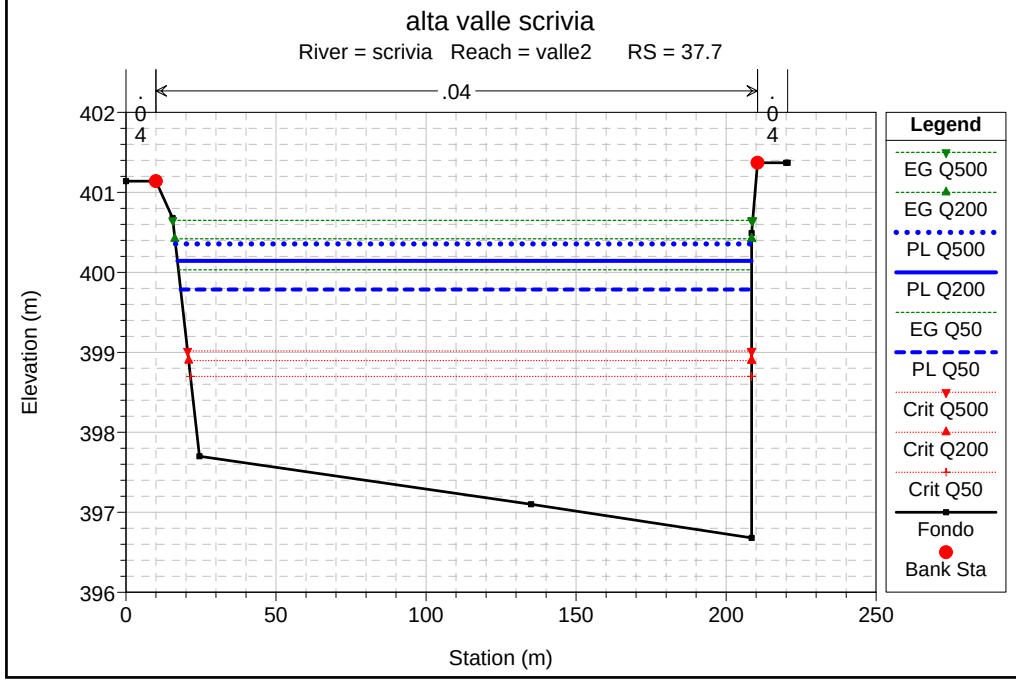

alta valle scrivia
River = scrivia Reach = valle1 RS = 40.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

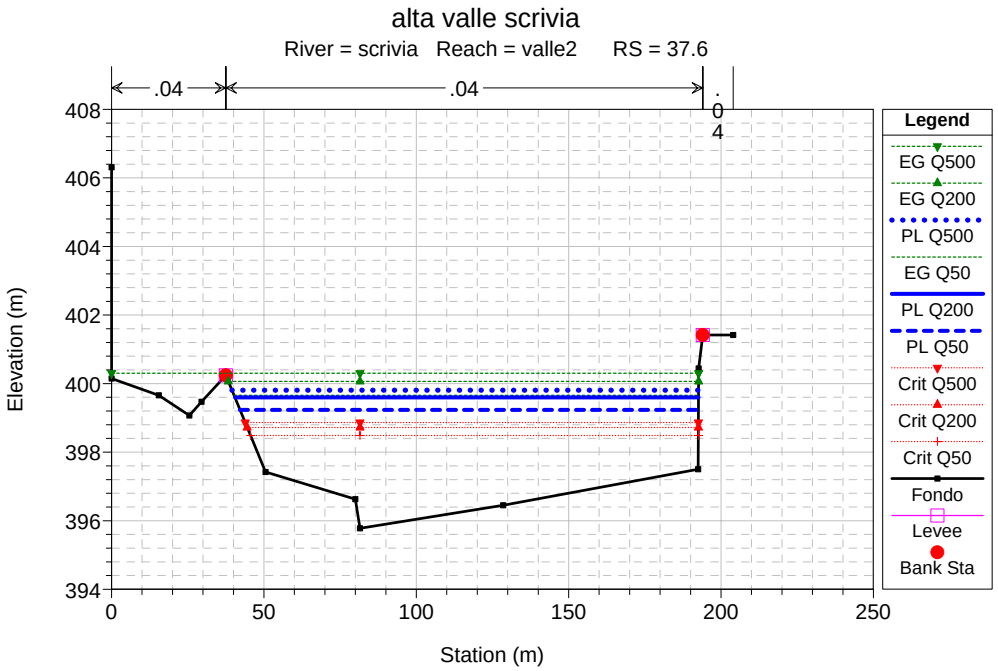

alta valle scrivia
River = scrivia Reach = valle1 RS = 40.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

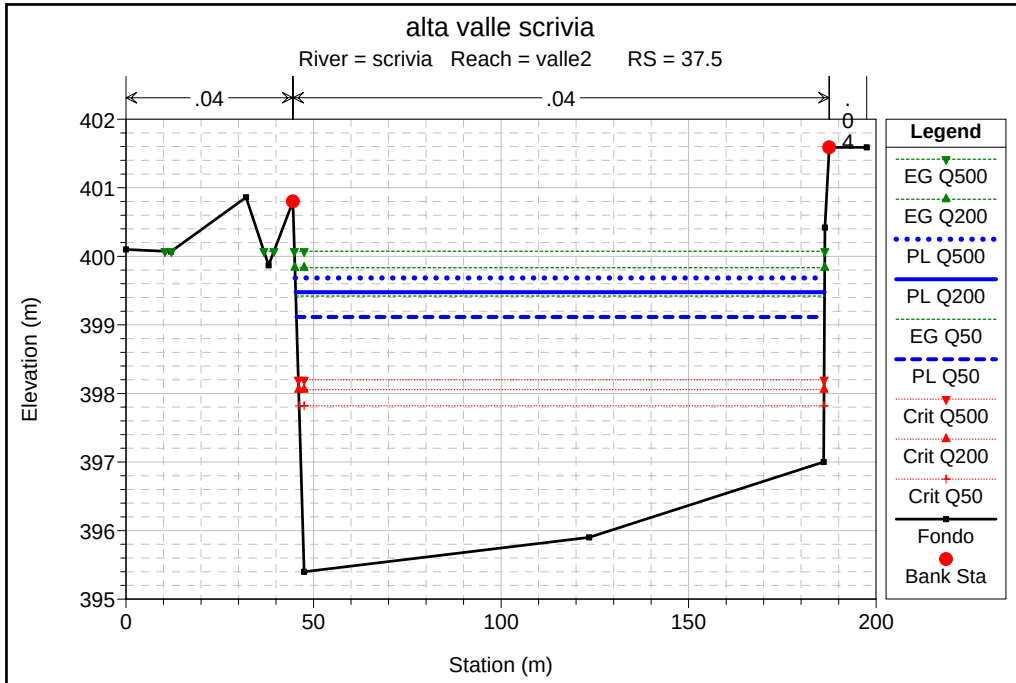

alta valle scrivia
River = scrivia Reach = valle1 RS = 40.4
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 40
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 39
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle1 RS = 38.6
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

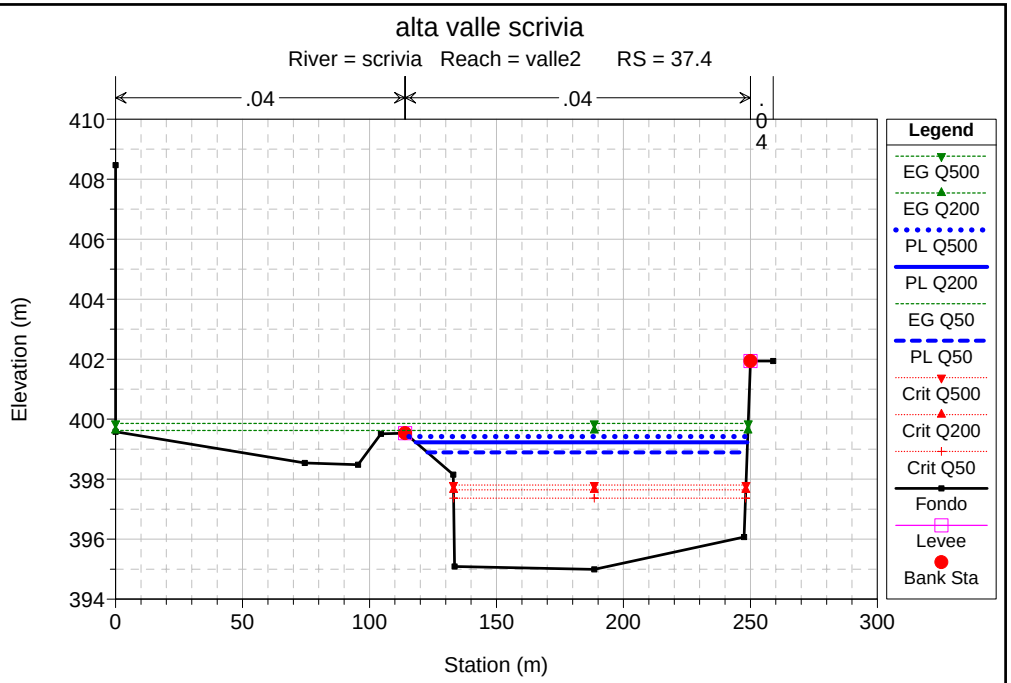

alta valle scrivia
River = scrivia Reach = valle2 RS = 38.5
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

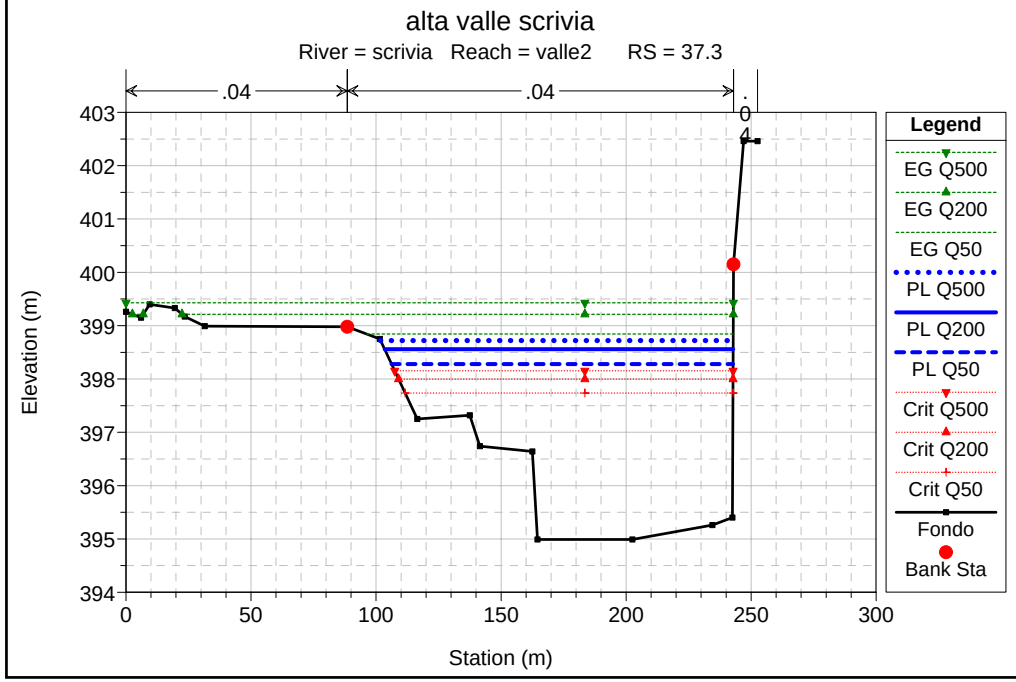

alta valle scrivia
River = scrivia Reach = valle2 RS = 38
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

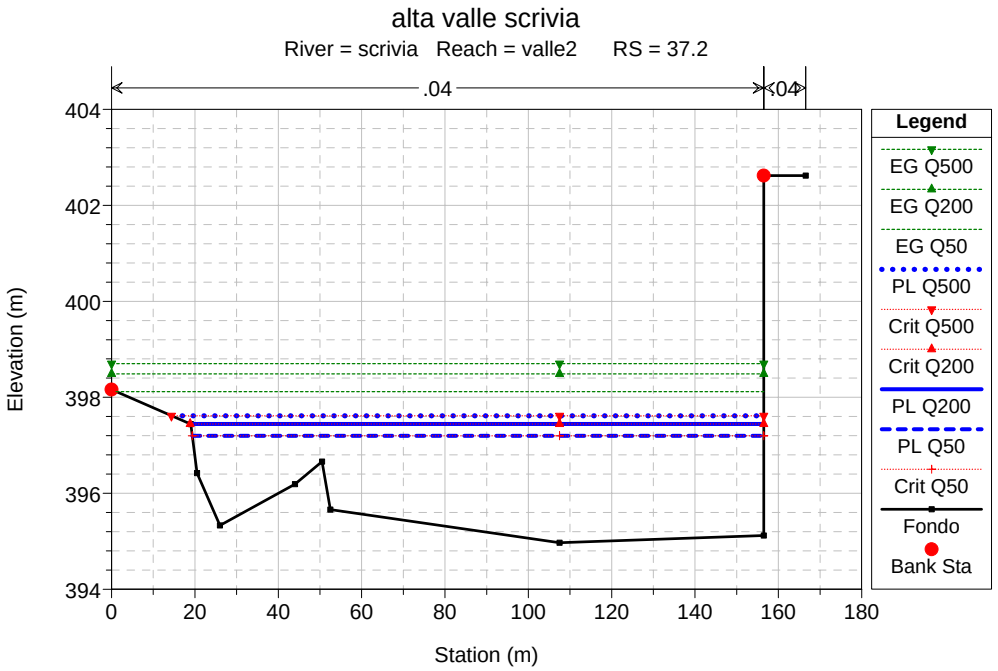

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.7
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

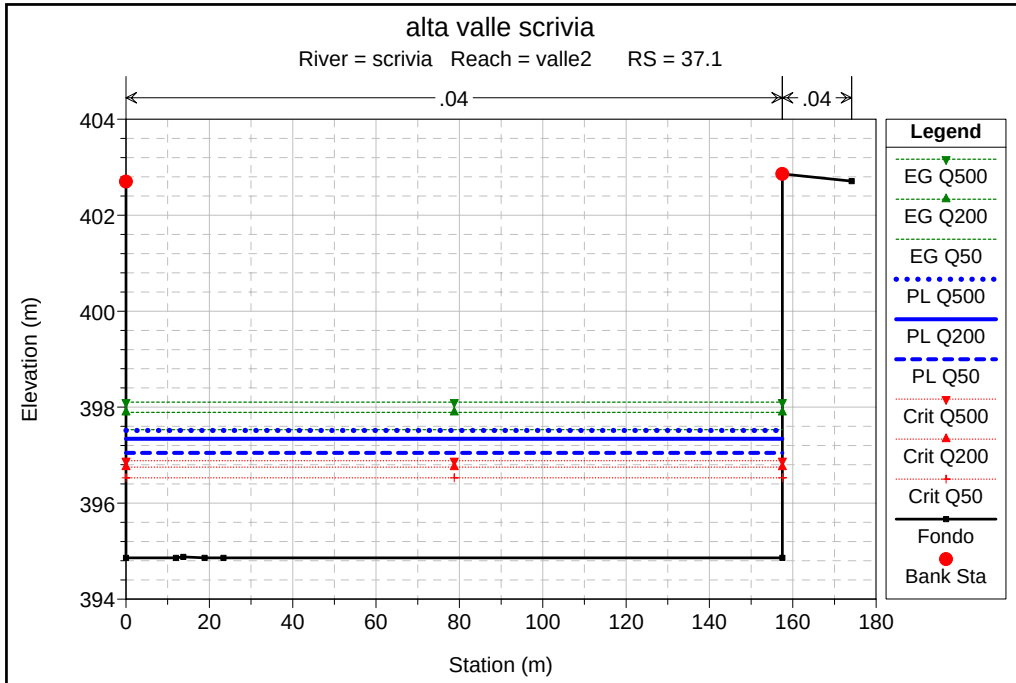

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.6
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

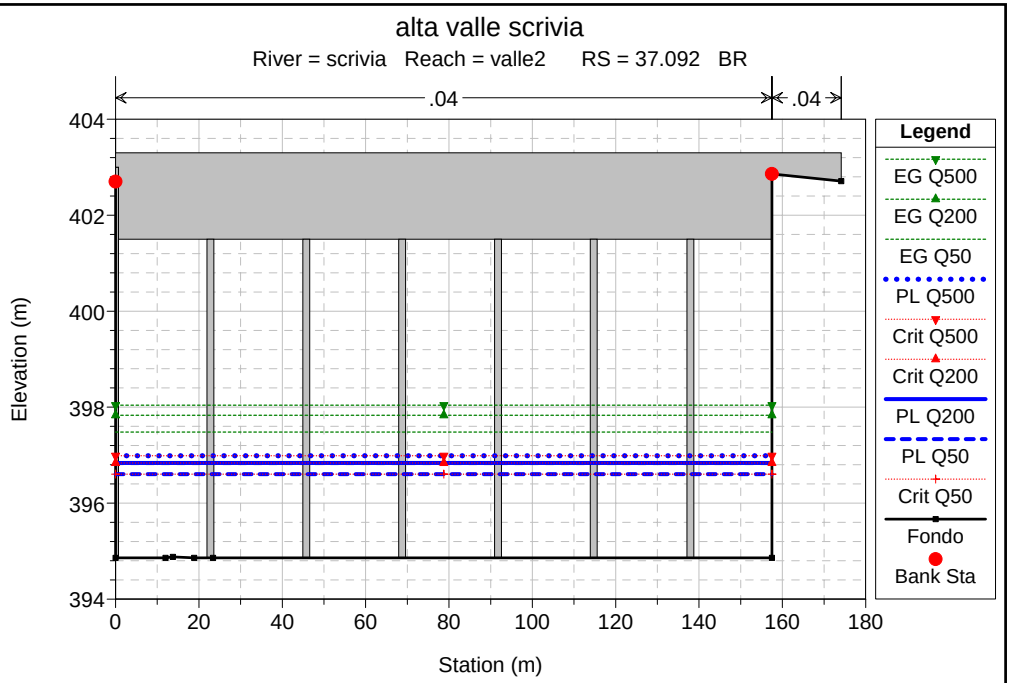

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

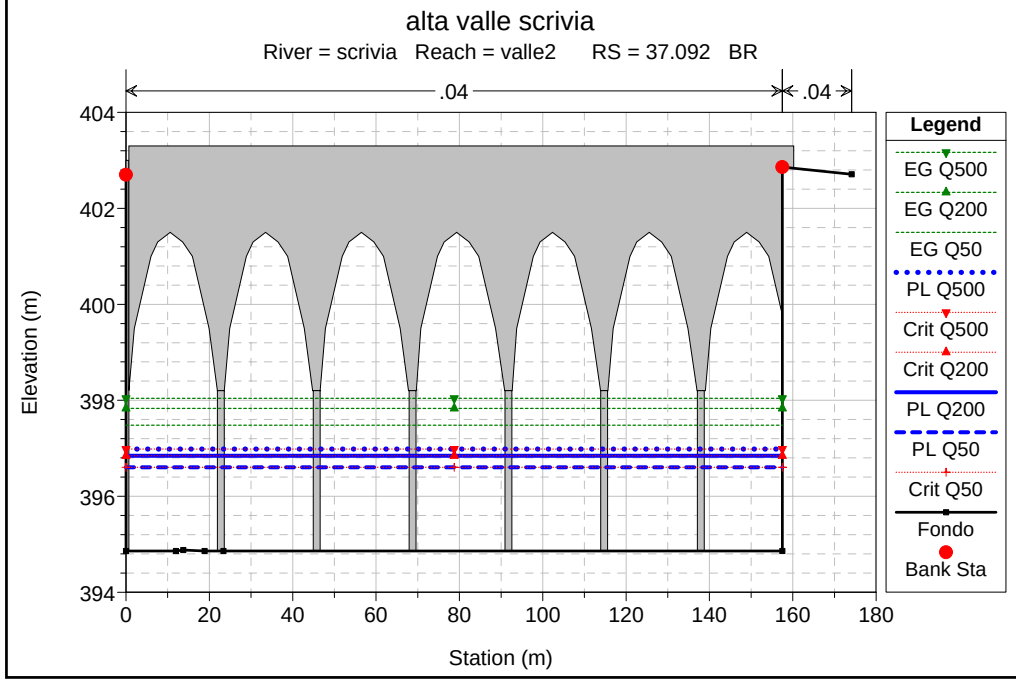

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.4
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

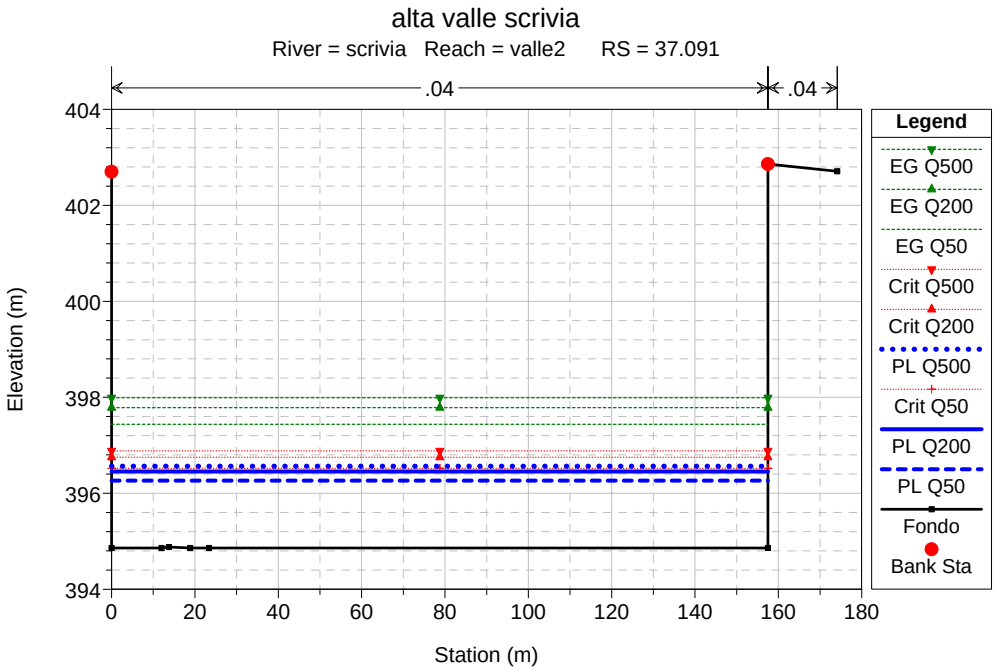

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.3
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

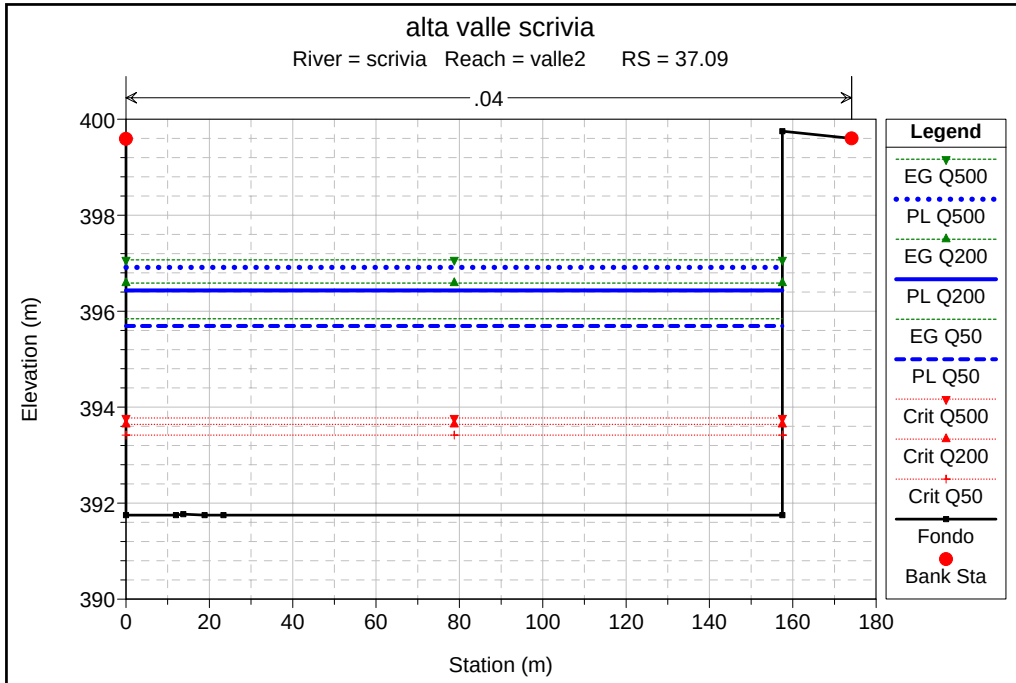

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.2
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

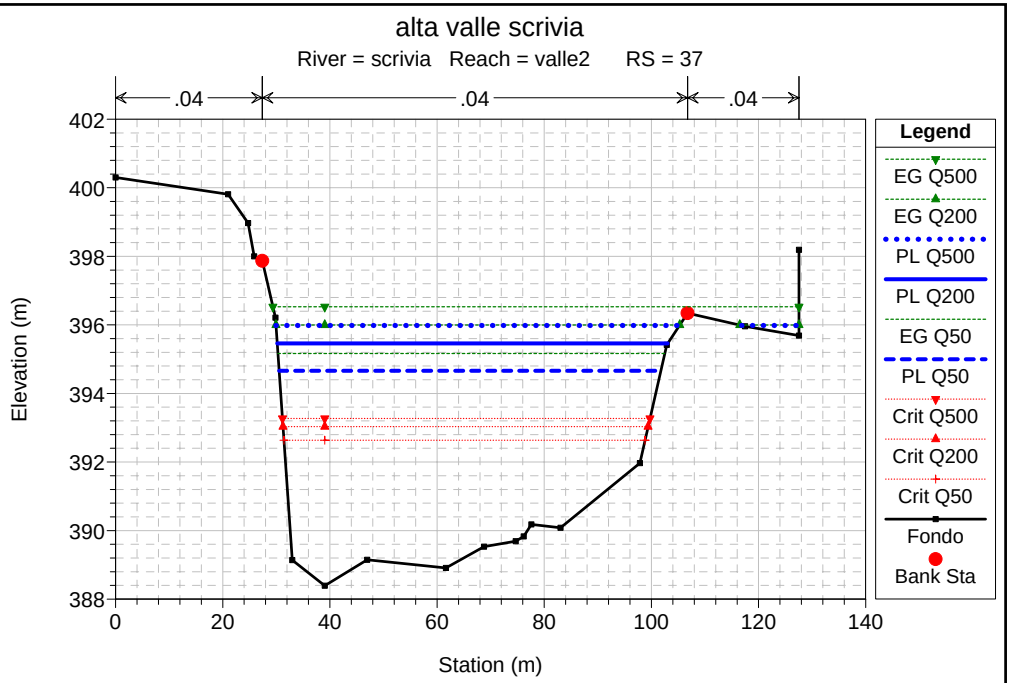

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.1
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

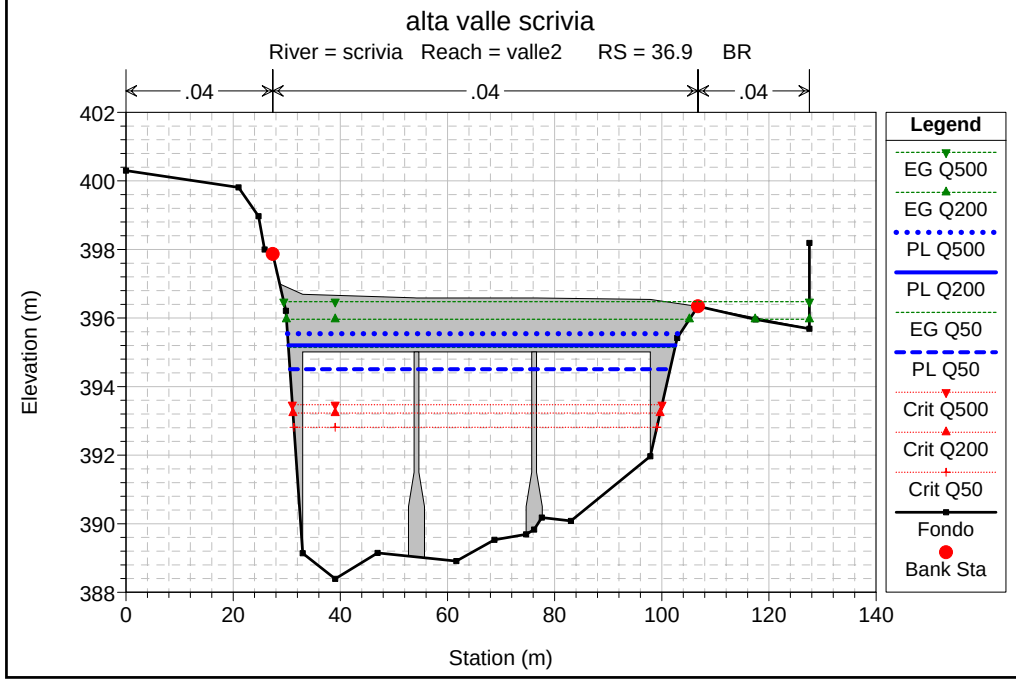

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.092 BR
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

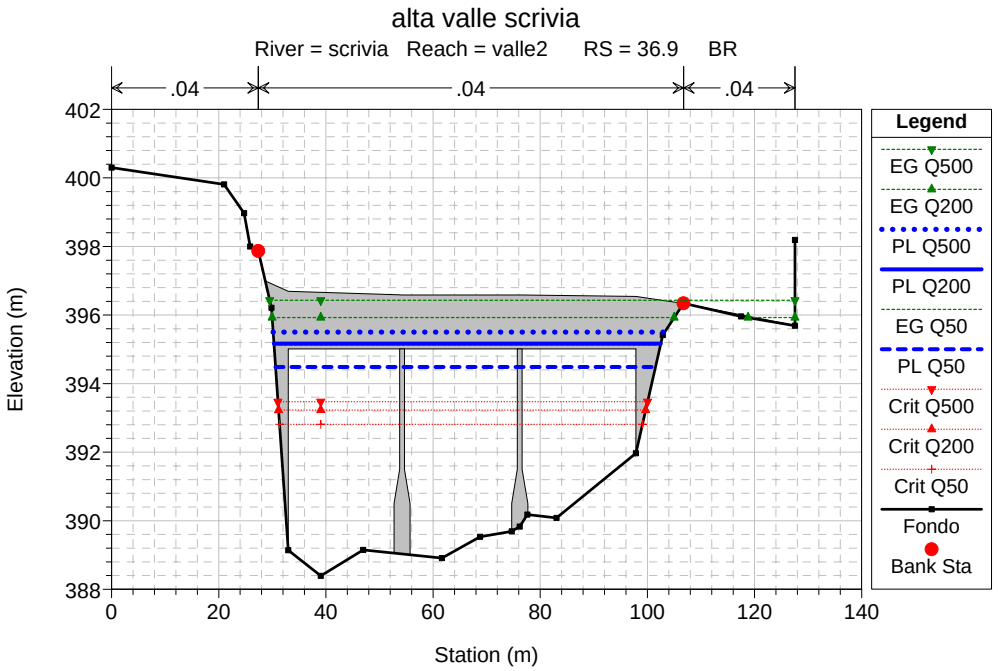

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.092 BR
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

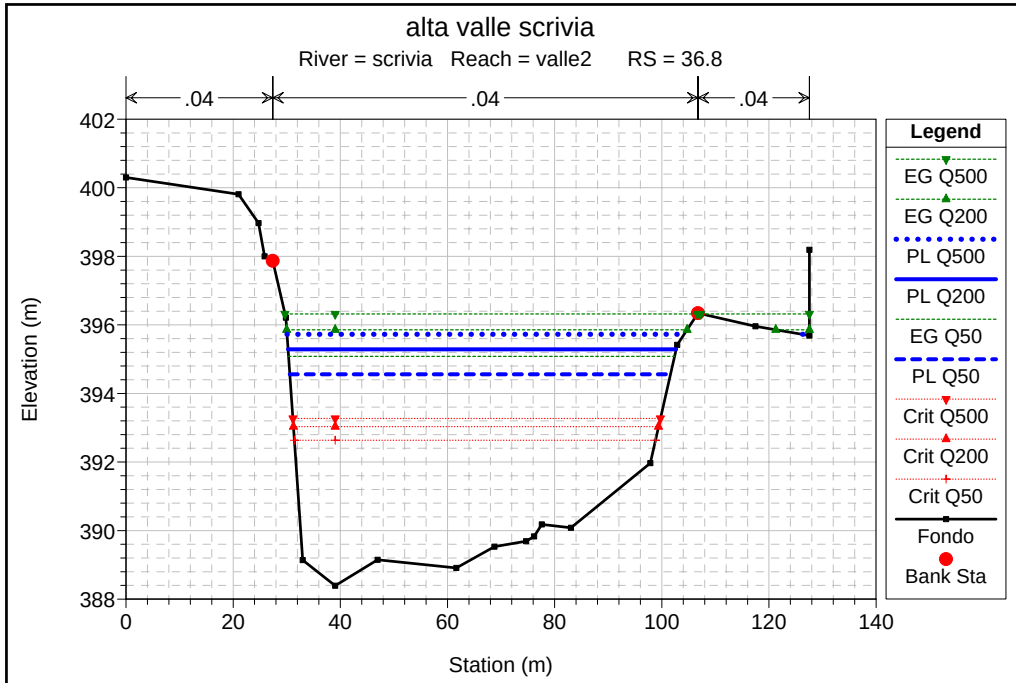

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.091
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

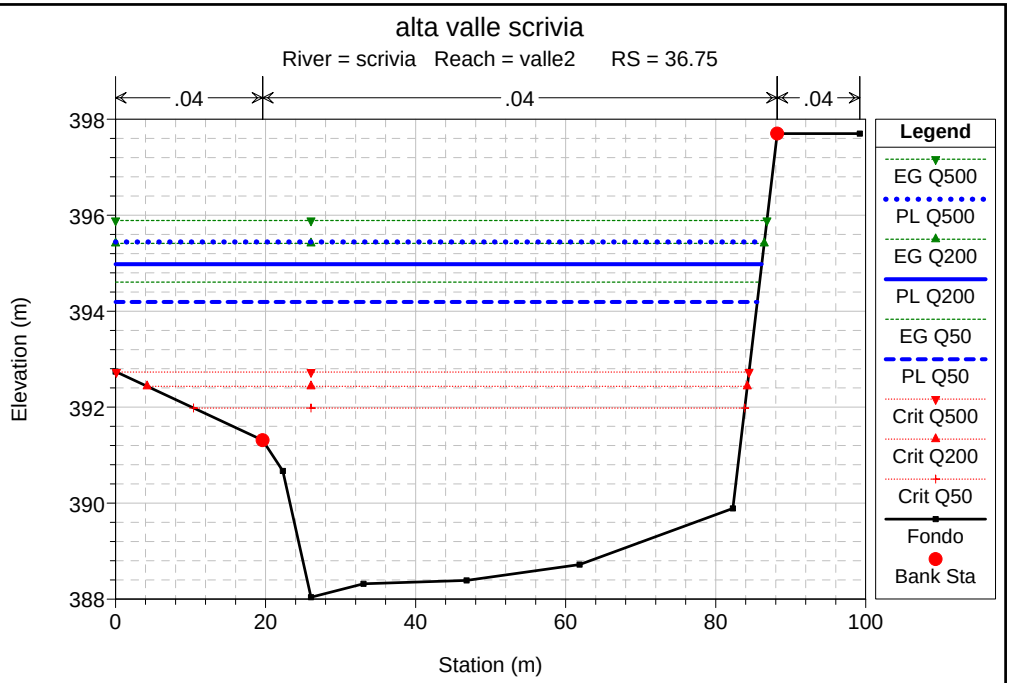

alta valle scrivia
River = scrivia Reach = valle2 RS = 37.09
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

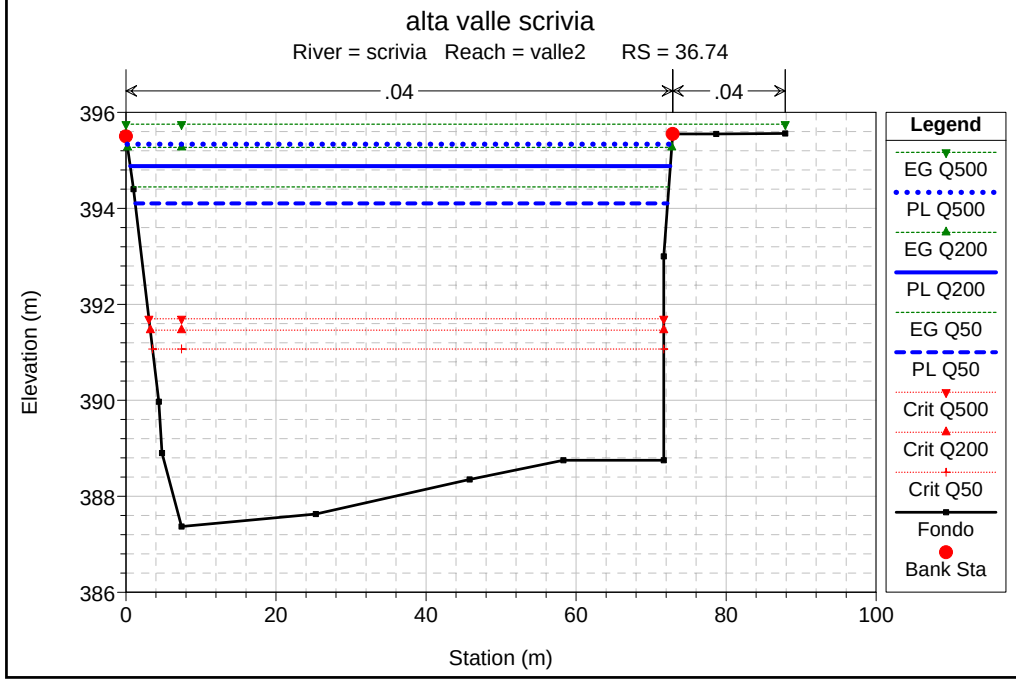

alta valle scrivia
River = scrivia Reach = valle2 RS = 37
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

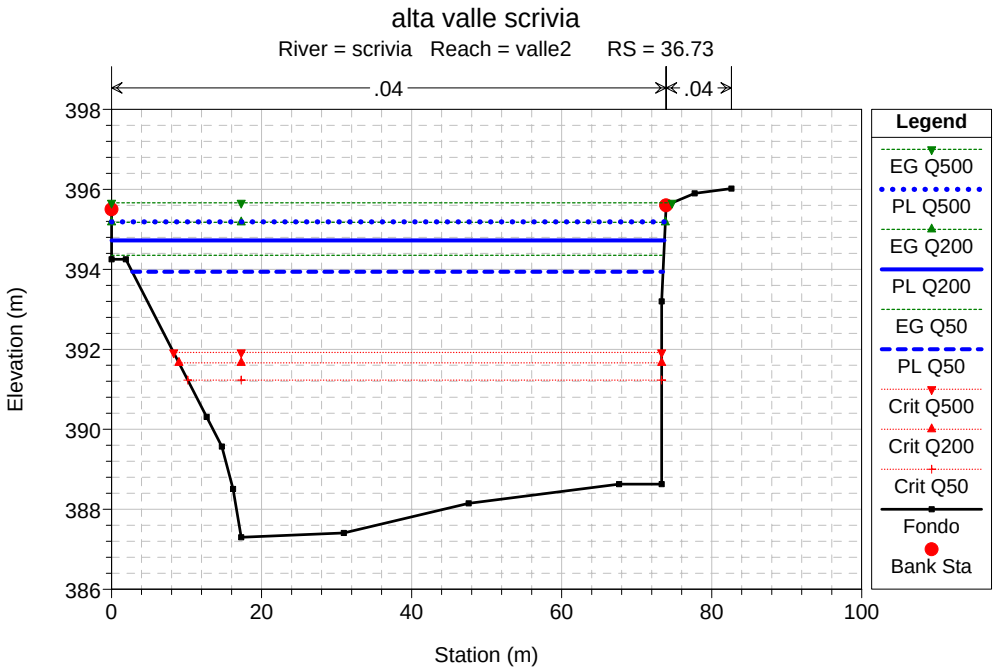

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.9 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

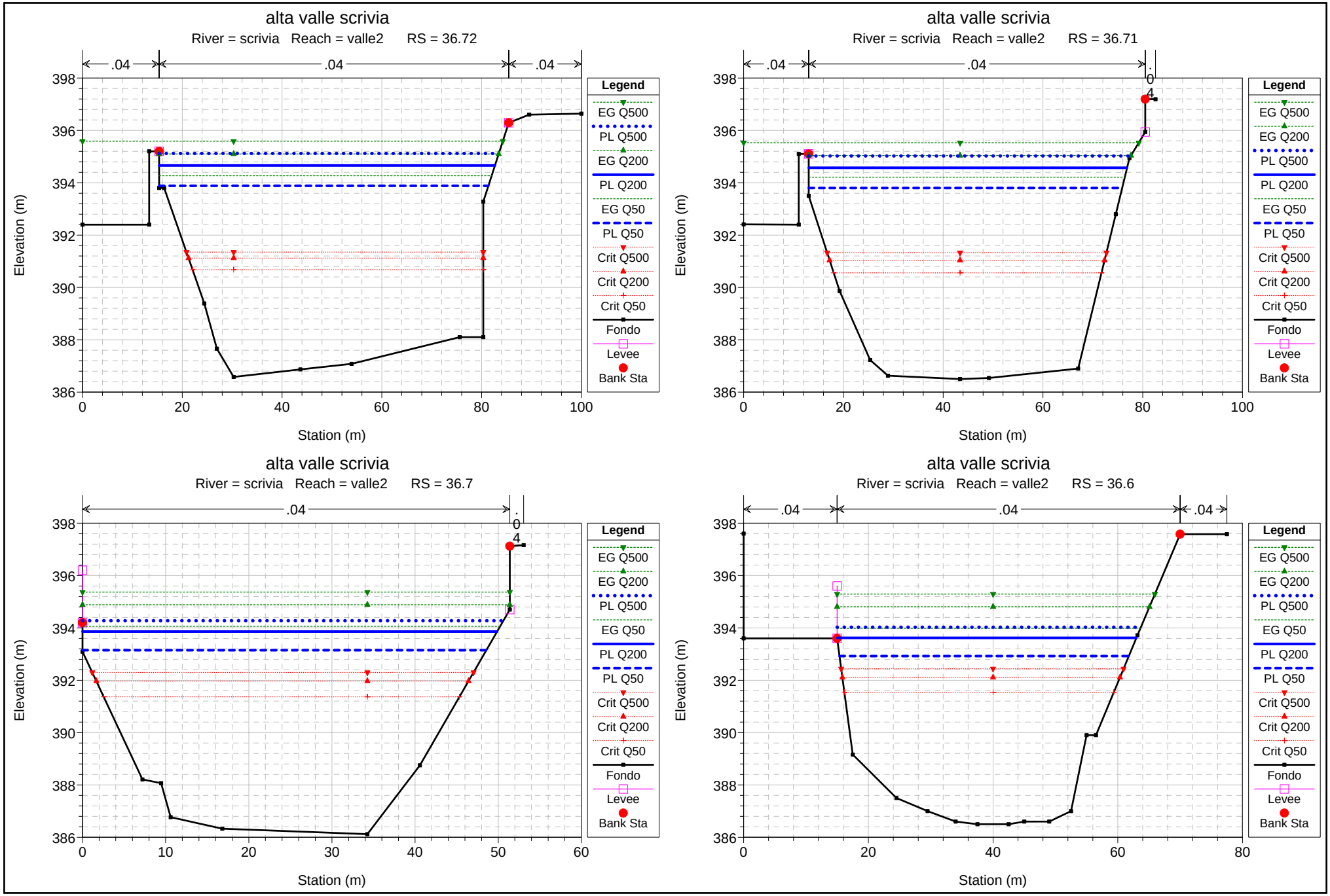

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.9 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

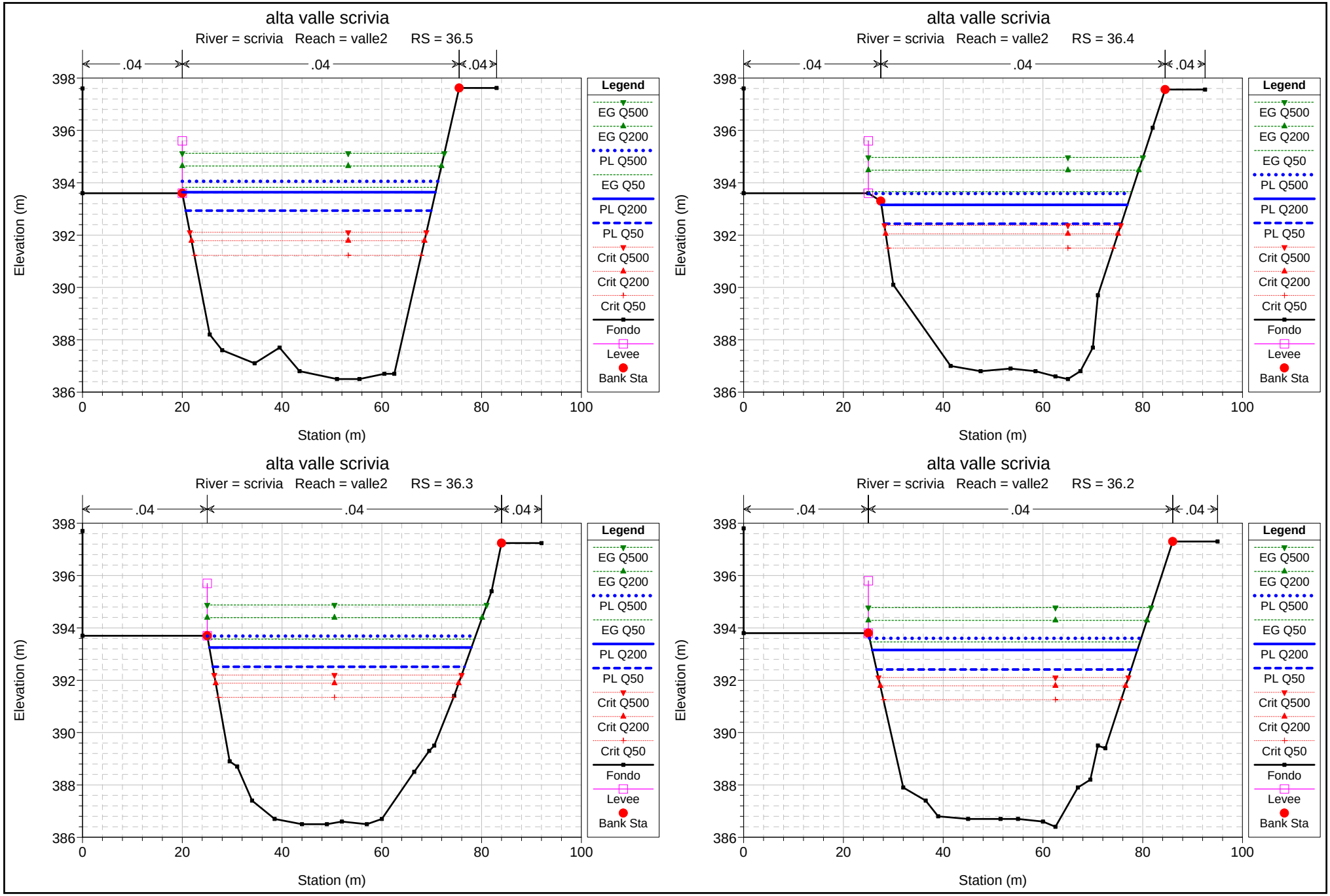

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.8
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

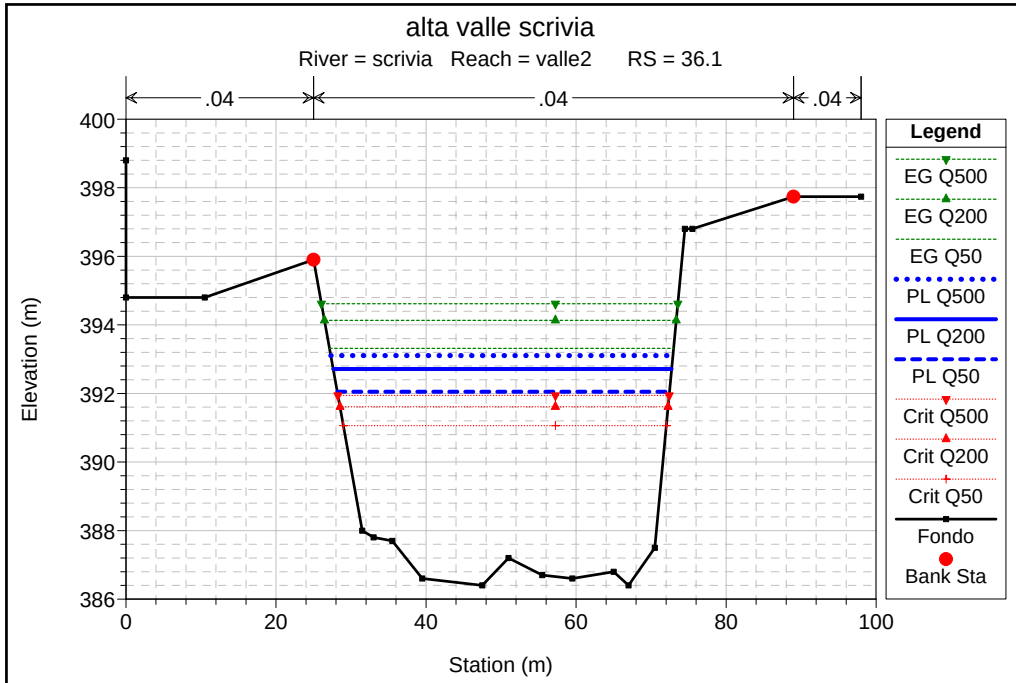

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.75
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

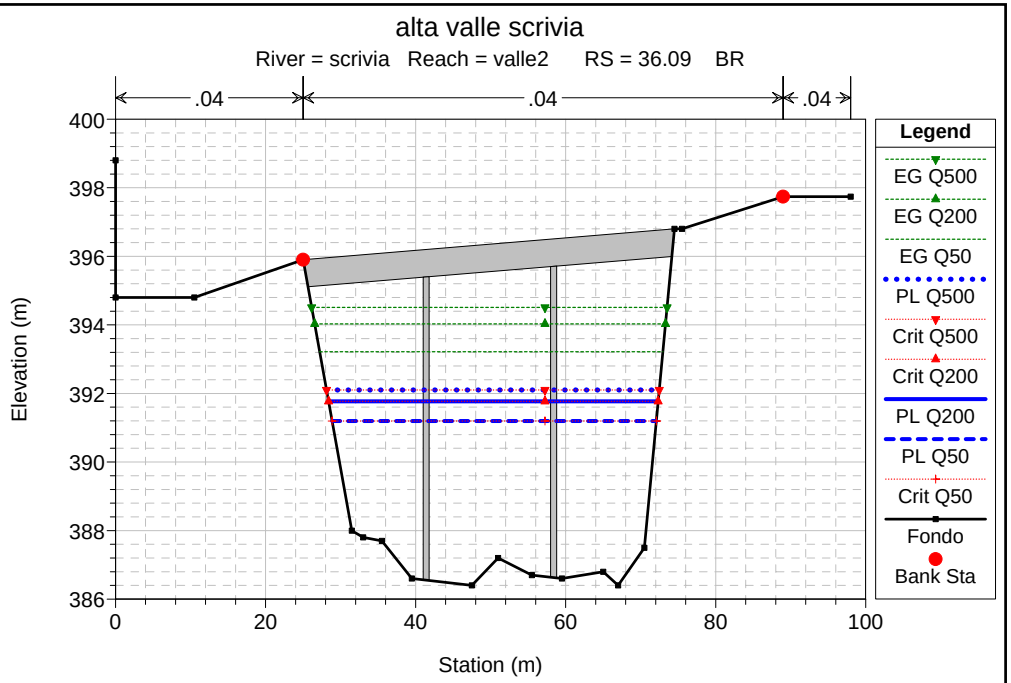

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.74
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

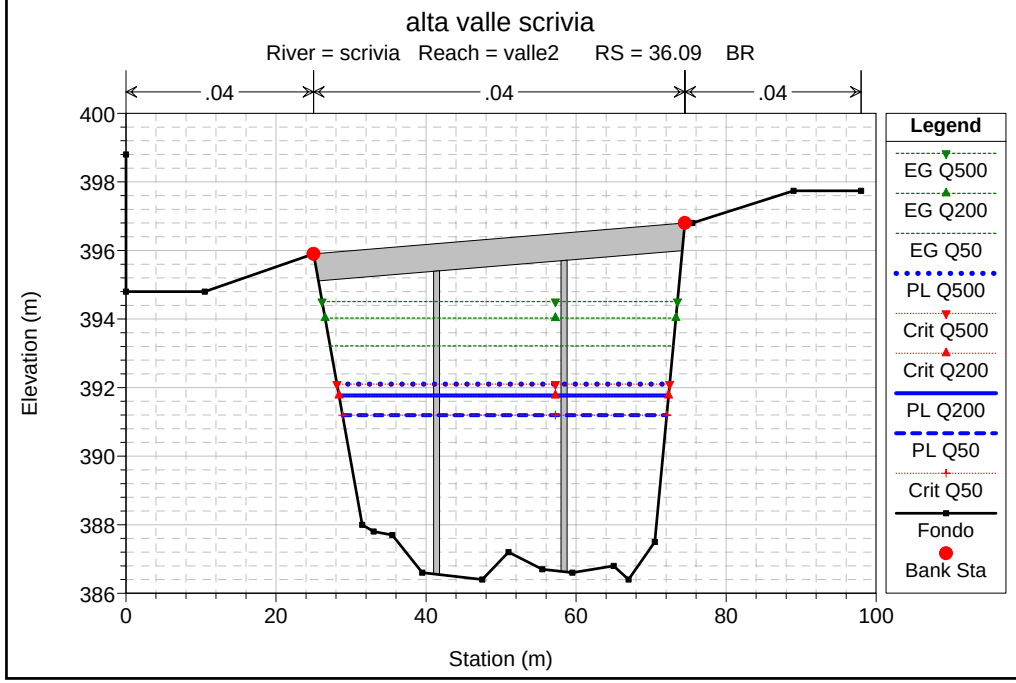

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.73
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

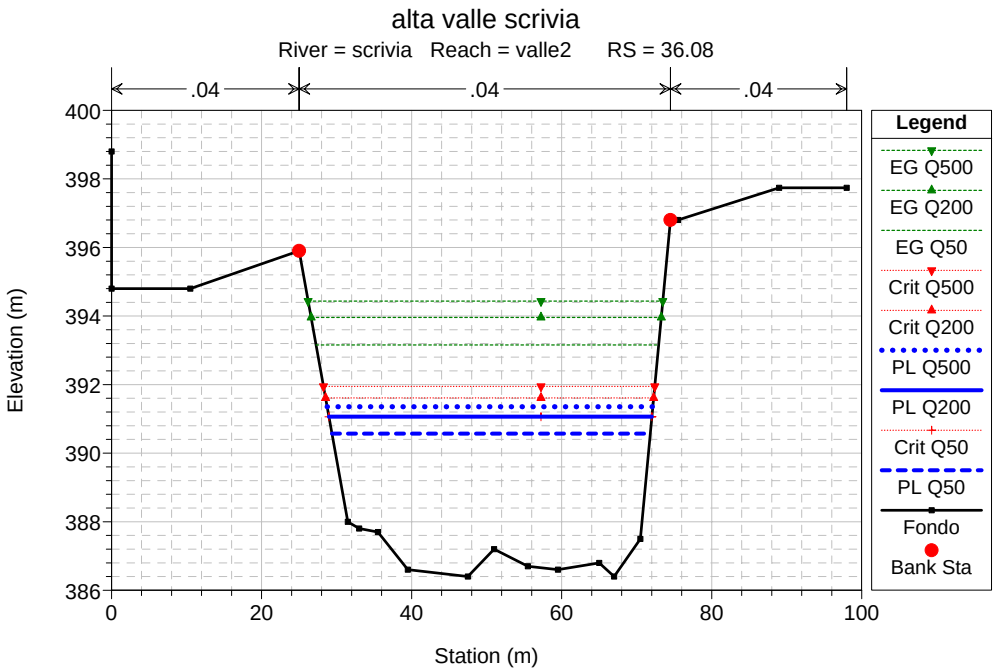

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.72
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
alta valle scrivia
River = scrivia Reach = valle2 RS = 36.71
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
alta valle scrivia
River = scrivia Reach = valle2 RS = 36.7
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
alta valle scrivia
River = scrivia Reach = valle2 RS = 36.6
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

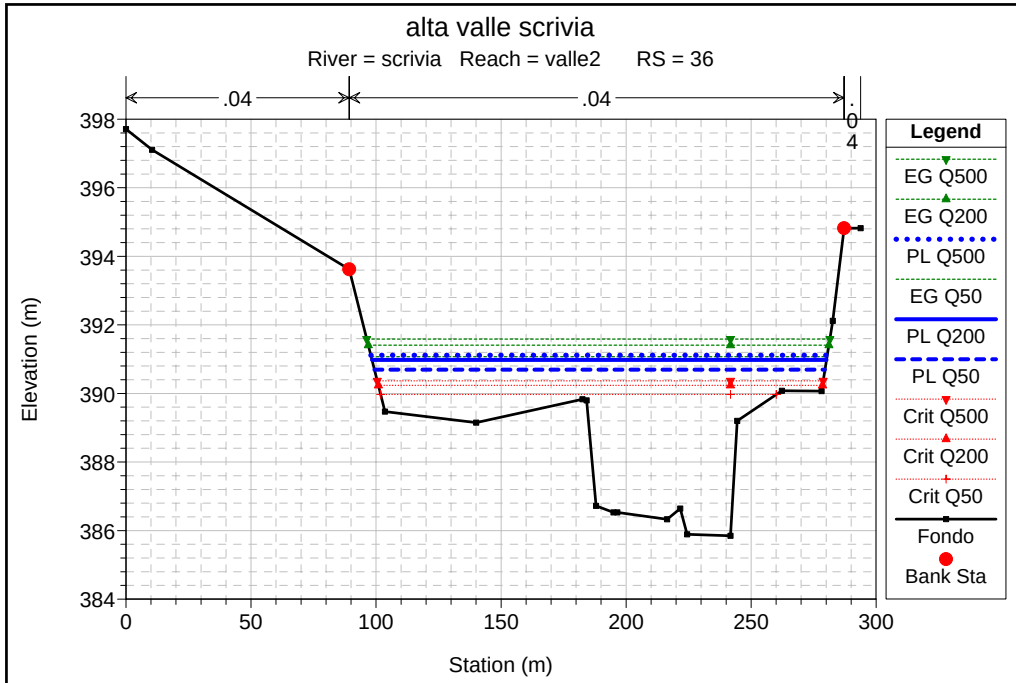

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
alta valle scrivia
River = scrivia Reach = valle2 RS = 36.4
alta valle scrivia
River = scrivia Reach = valle2 RS = 36.3
alta valle scrivia
River = scrivia Reach = valle2 RS = 36.2

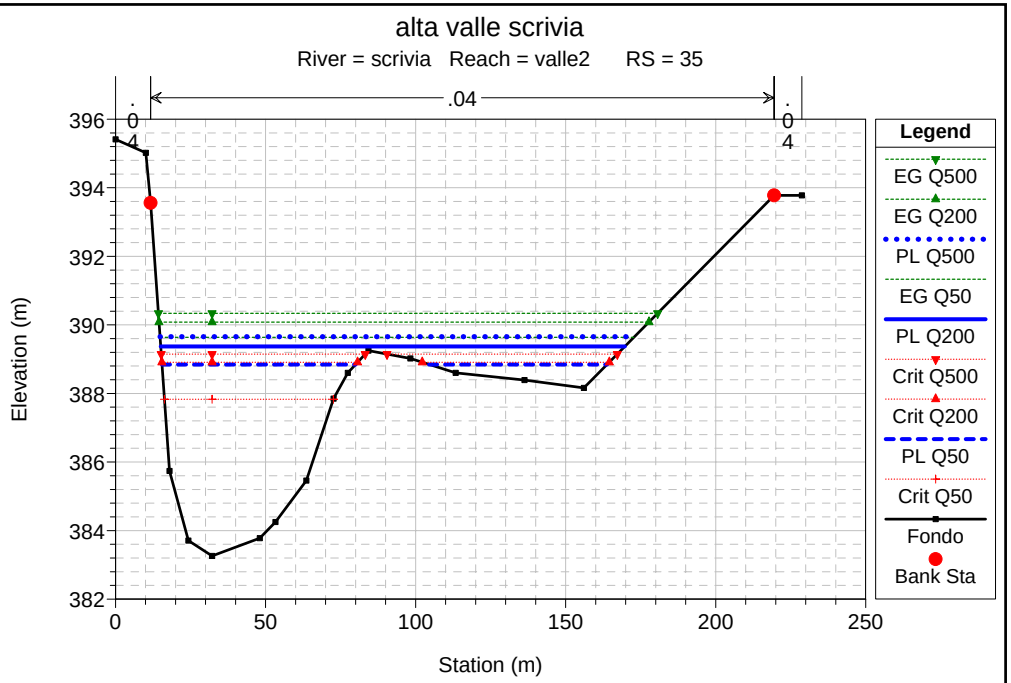

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.1
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

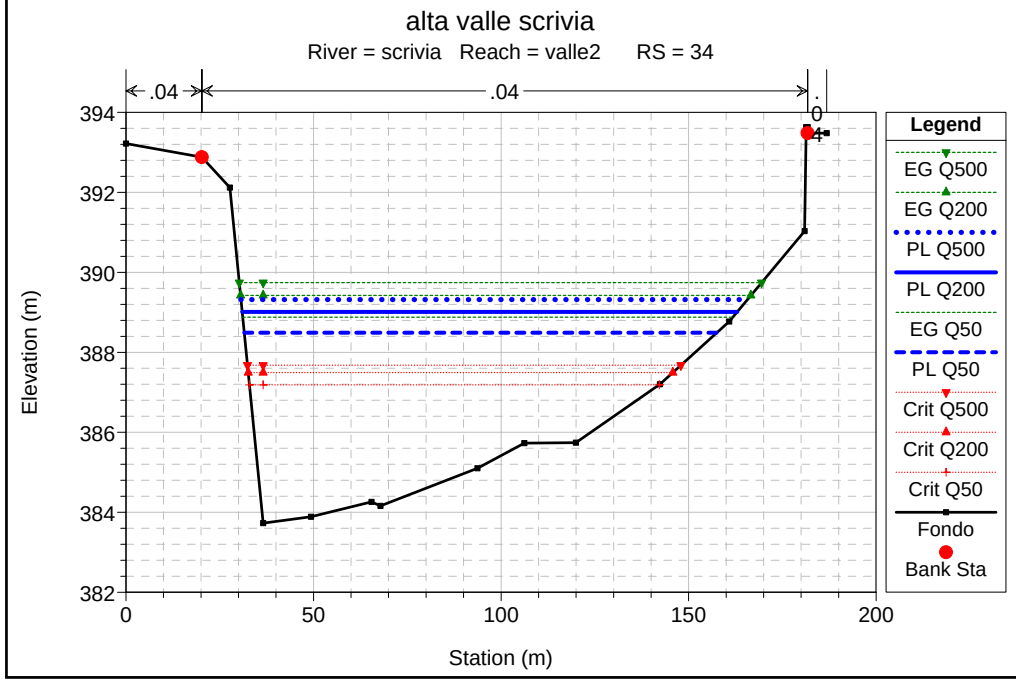

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.09 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

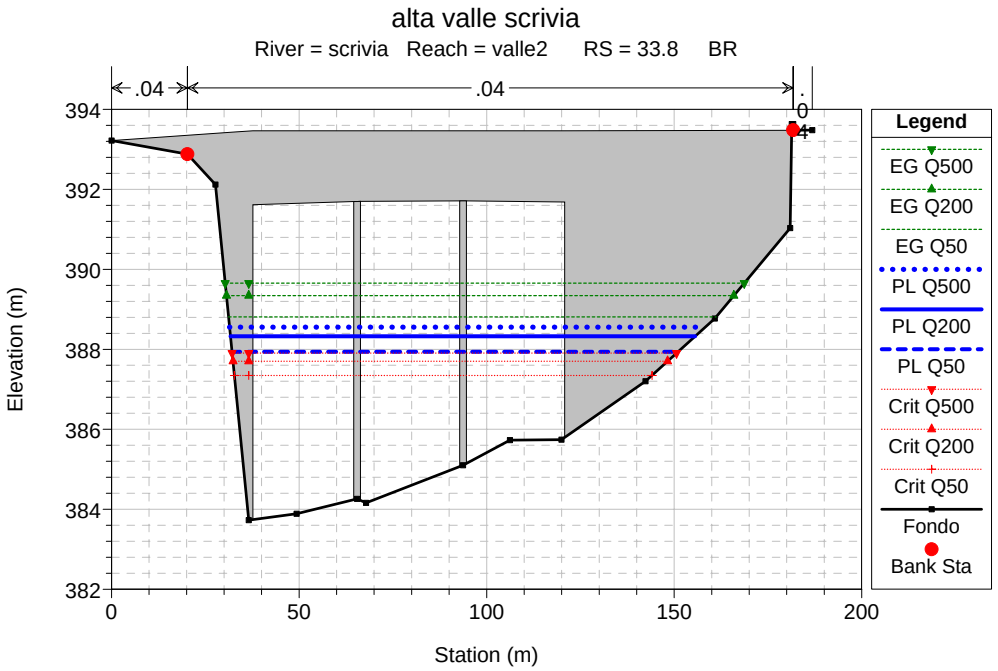

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.09 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

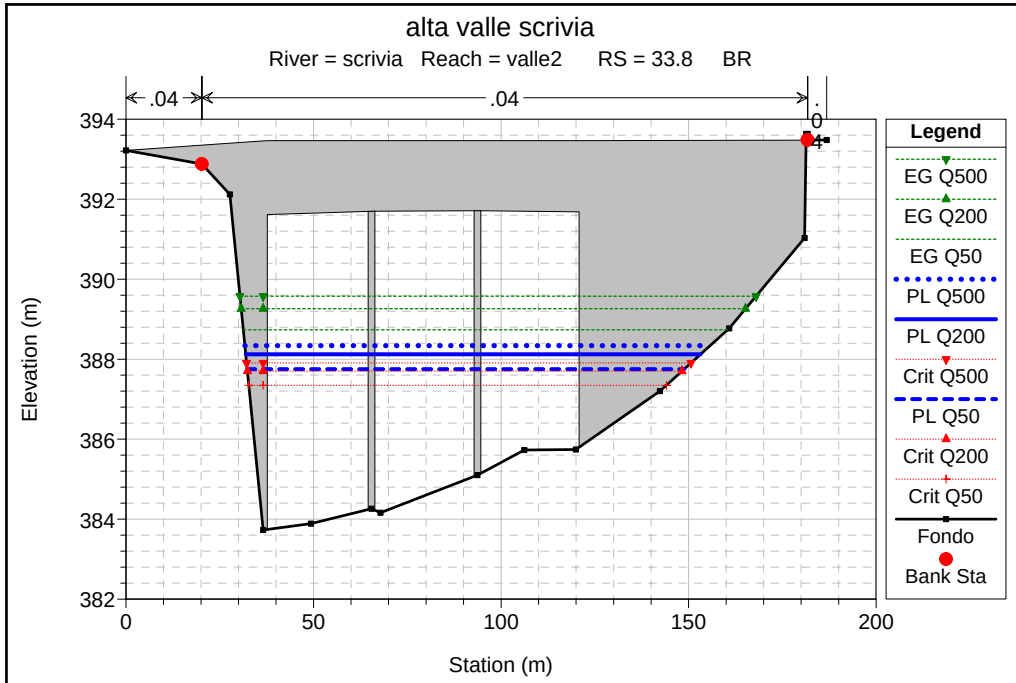

alta valle scrivia
River = scrivia Reach = valle2 RS = 36.08
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

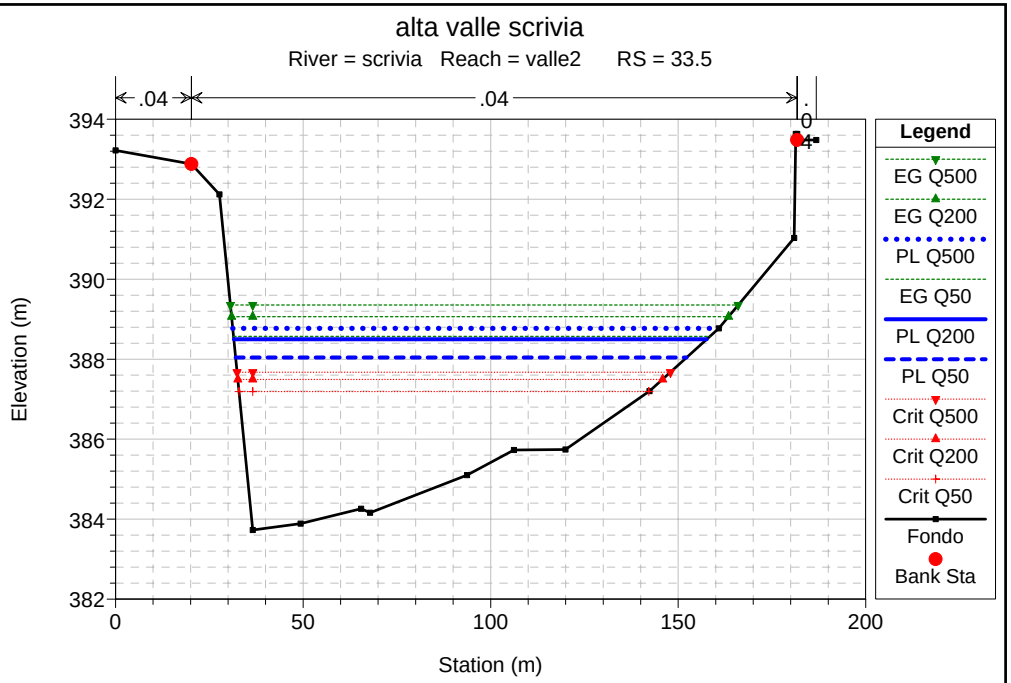

alta valle scrivia
River = scrivia Reach = valle2 RS = 36
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

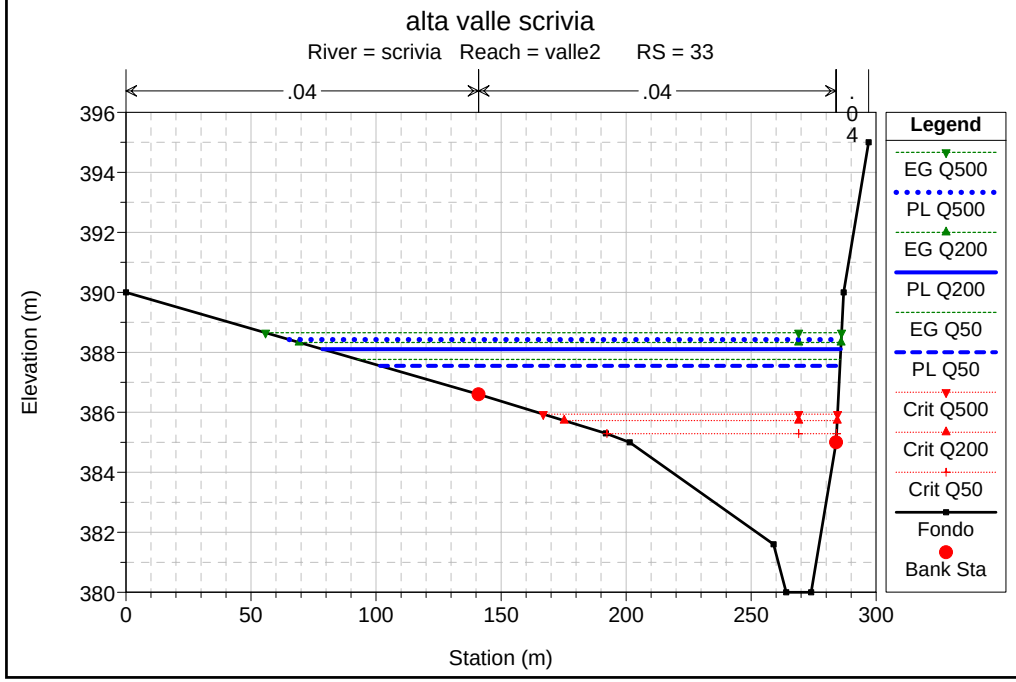

alta valle scrivia
River = scrivia Reach = valle2 RS = 35
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

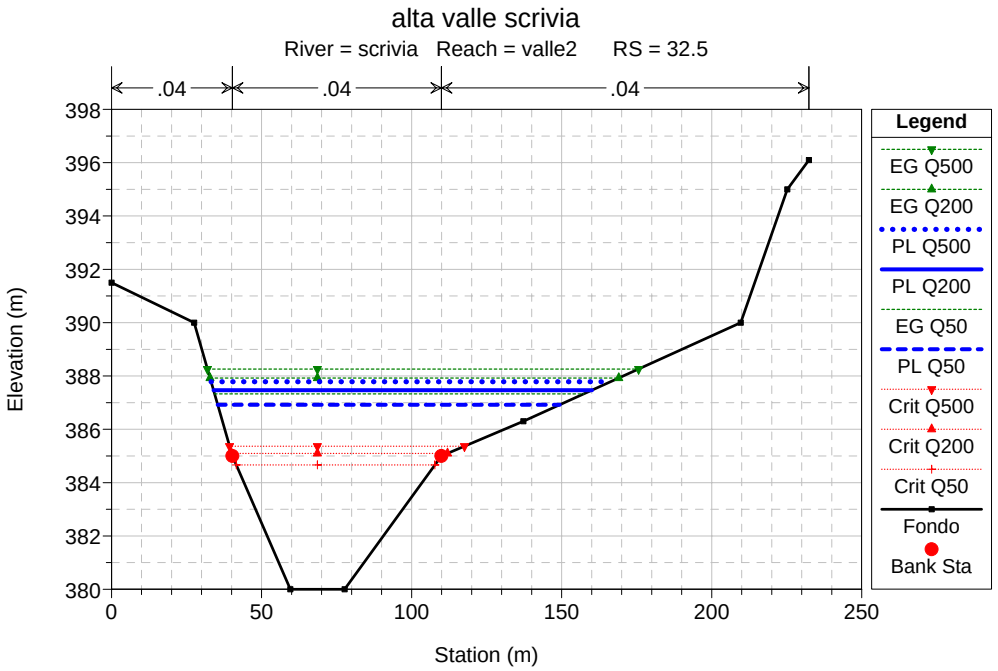

alta valle scrivia
River = scrivia Reach = valle2 RS = 34
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

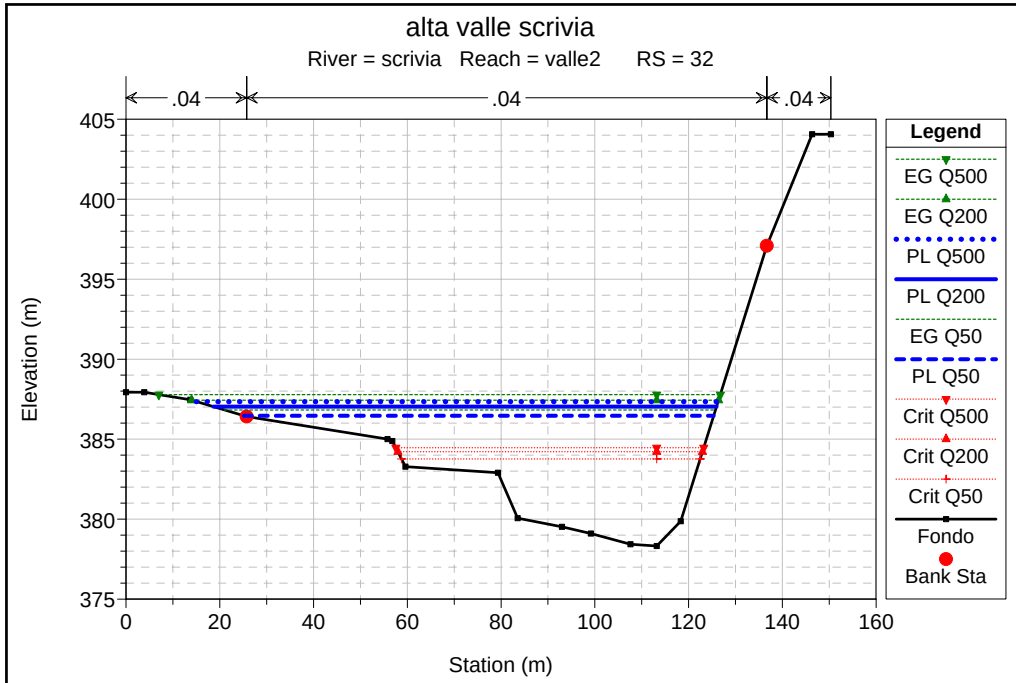

alta valle scrivia
River = scrivia Reach = valle2 RS = 33.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

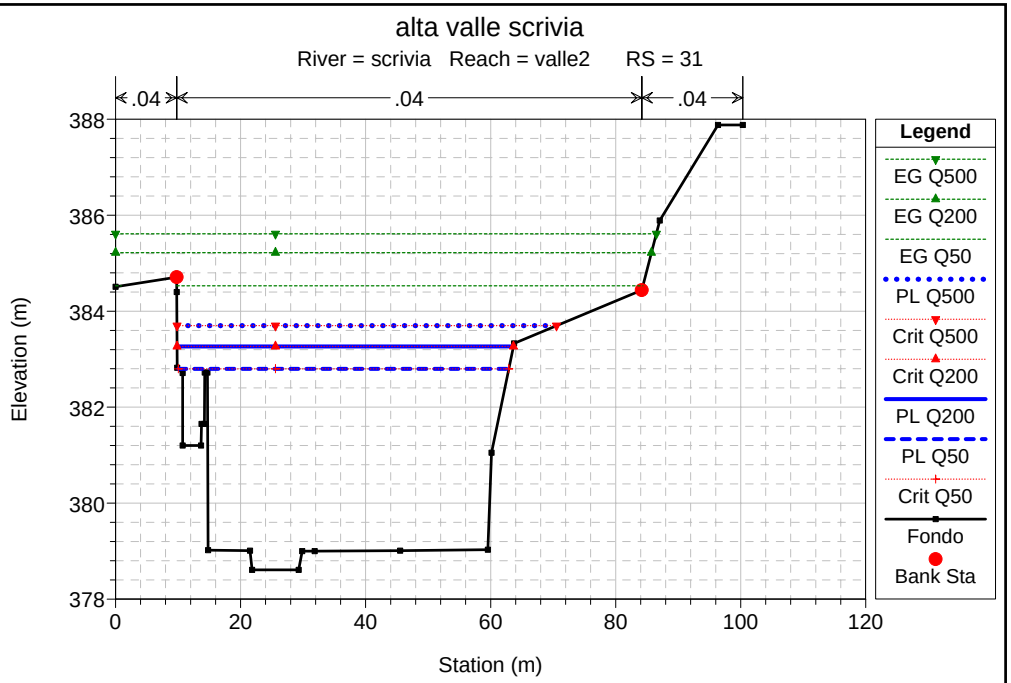

alta valle scrivia
River = scrivia Reach = valle2 RS = 33.8 BR
.04
.04
.0
4
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

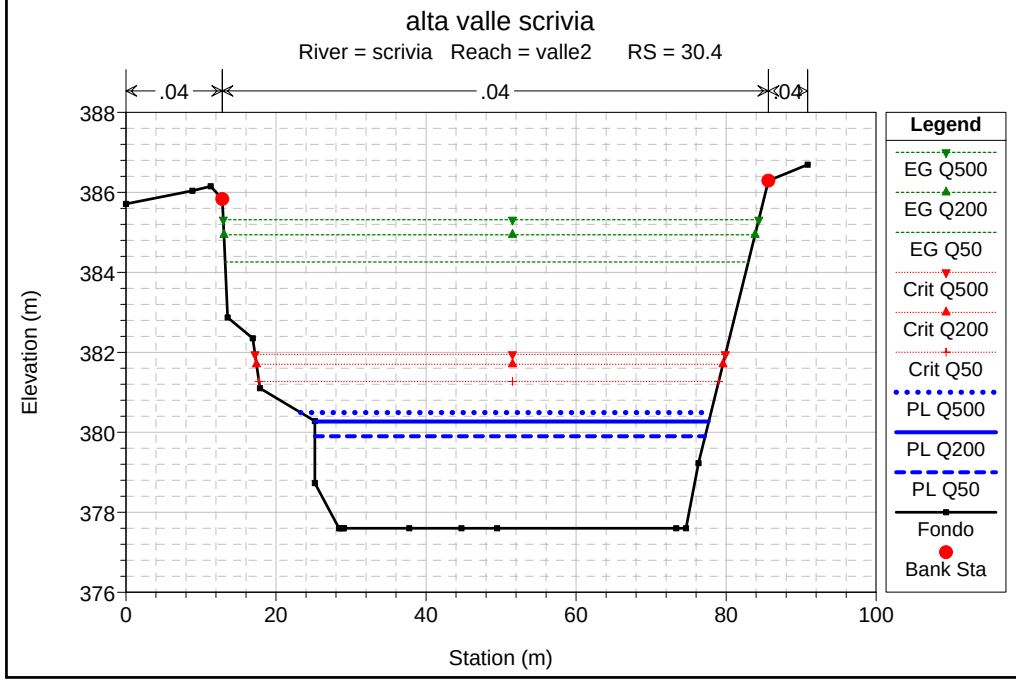

alta valle scrivia
River = scrivia Reach = valle2 RS = 33.5
.04
.04
.0
4
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

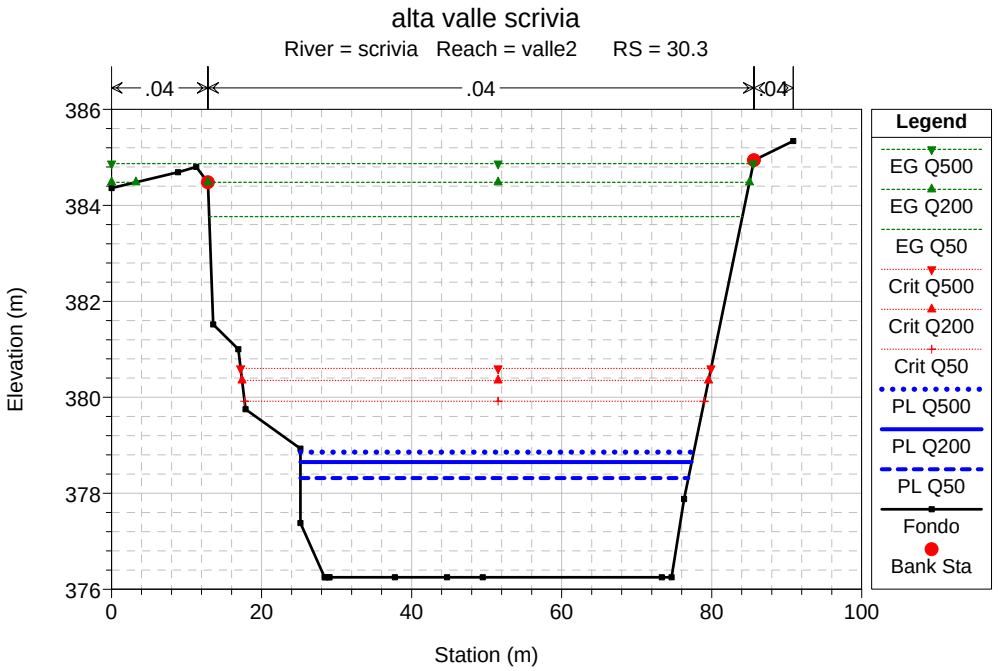

alta valle scrivia
River = scrivia Reach = valle2 RS = 33
.04
.04
.0
4
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

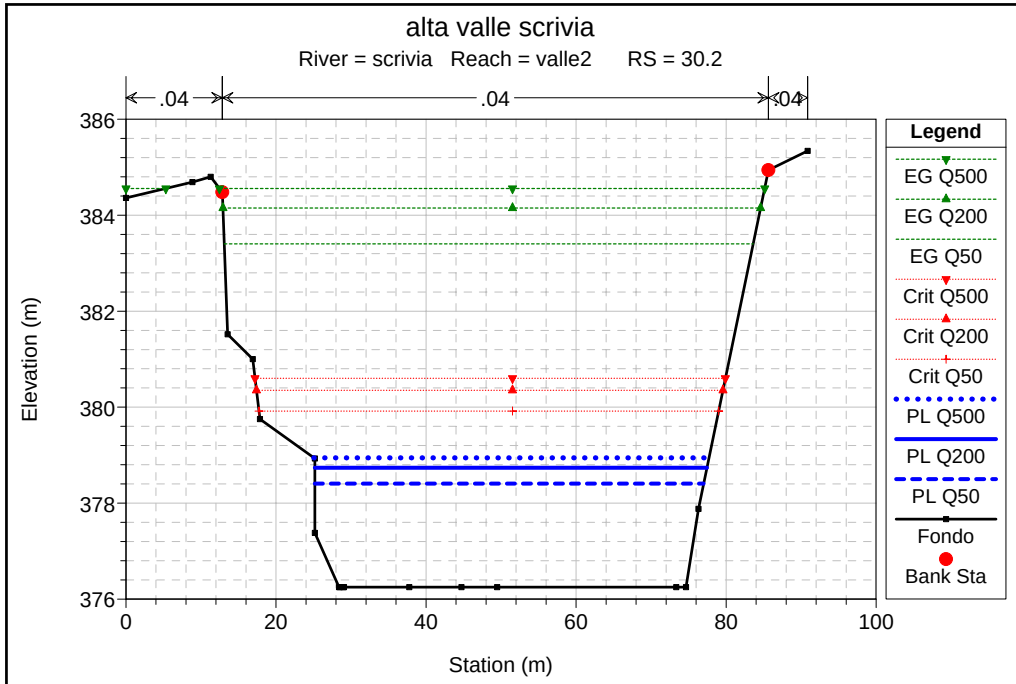

alta valle scrivia
River = scrivia Reach = valle2 RS = 32.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

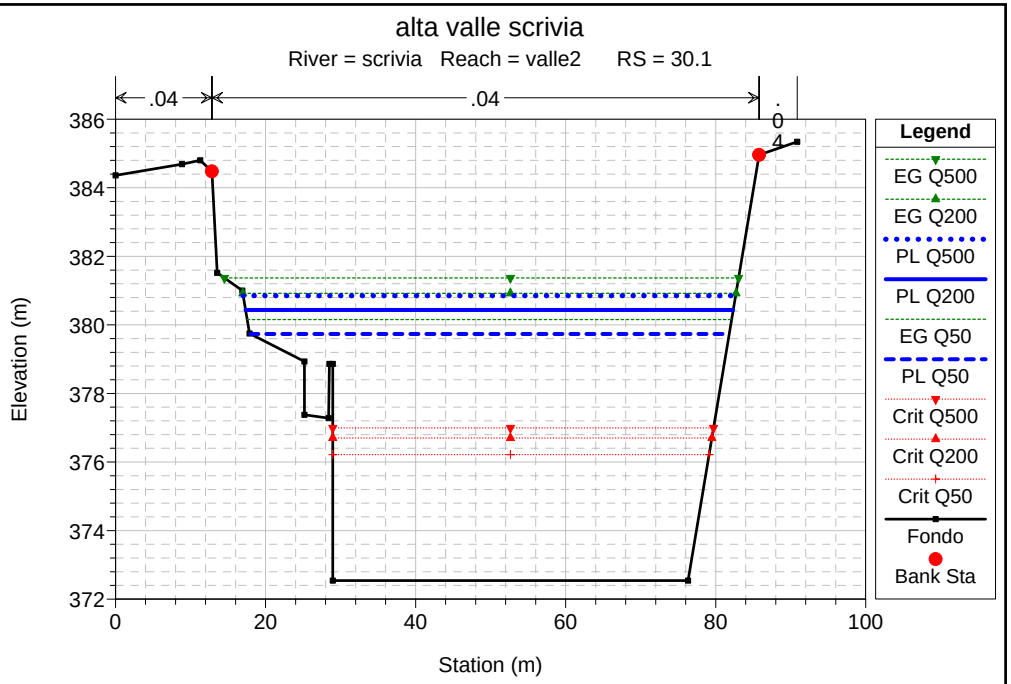

alta valle scrivia
River = scrivia Reach = valle2 RS = 32
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

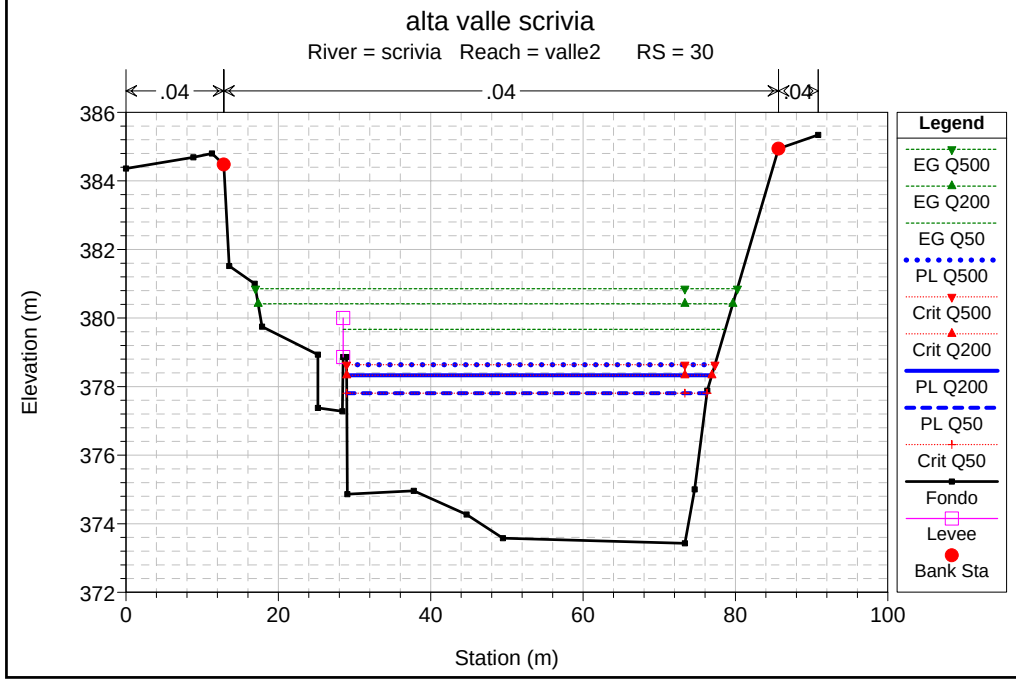

alta valle scrivia
River = scrivia Reach = valle2 RS = 31
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

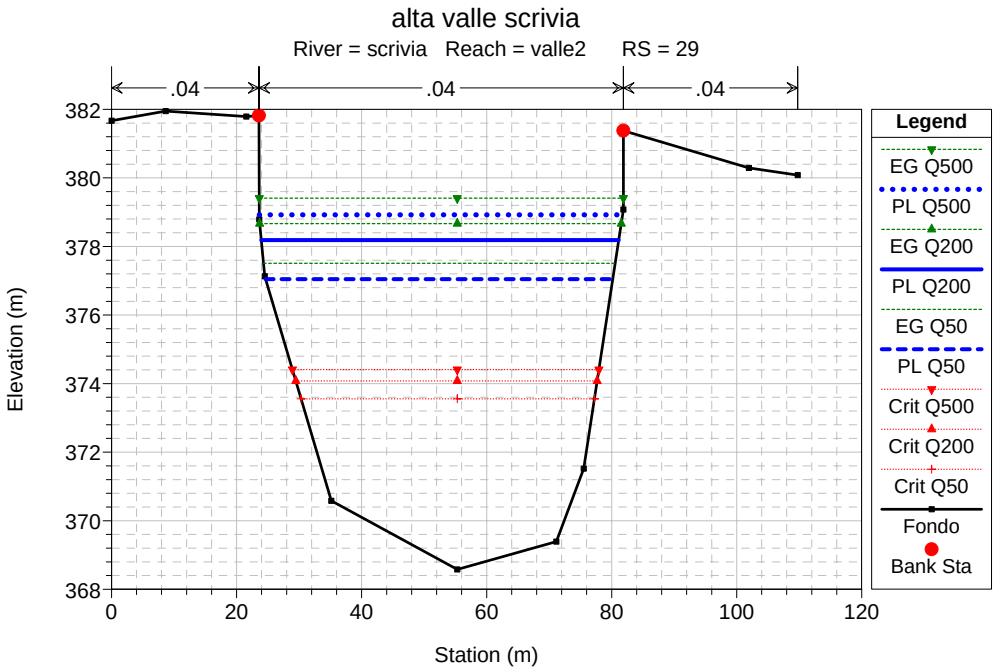

alta valle scrivia
River = scrivia Reach = valle2 RS = 30.4
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

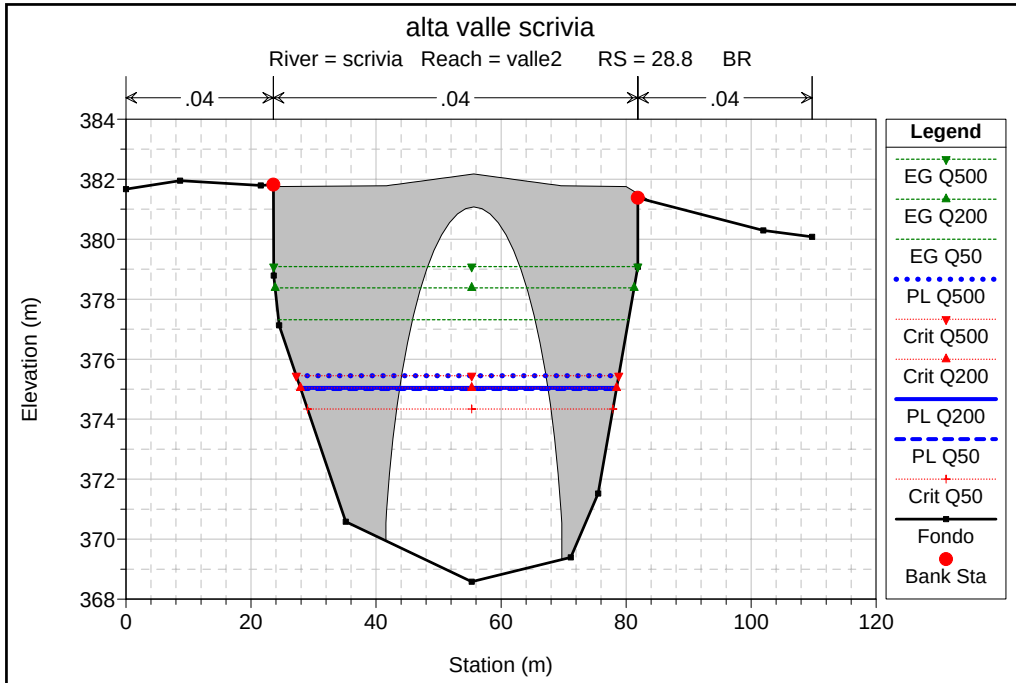

alta valle scrivia
River = scrivia Reach = valle2 RS = 30.3
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

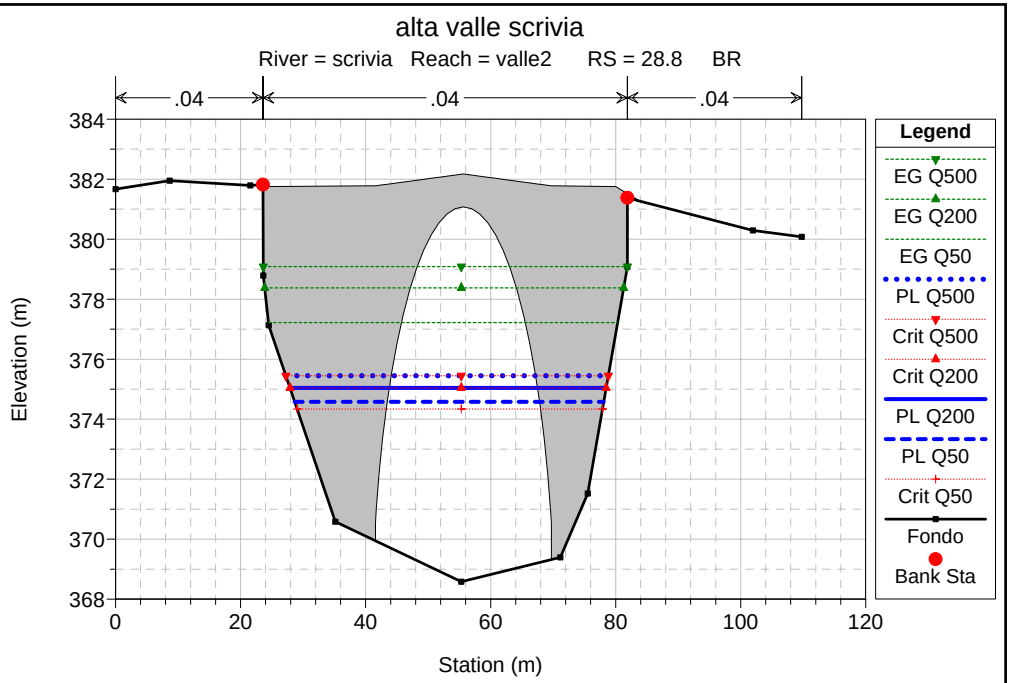

alta valle scrivia
River = scrivia Reach = valle2 RS = 30.2
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

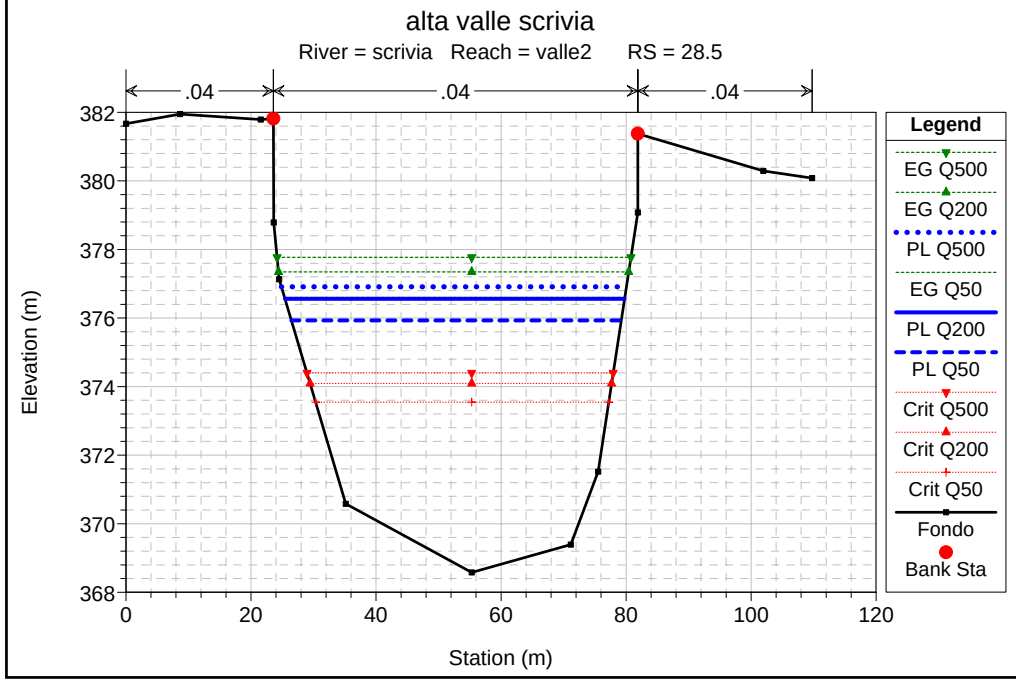

alta valle scrivia
River = scrivia Reach = valle2 RS = 30.1
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

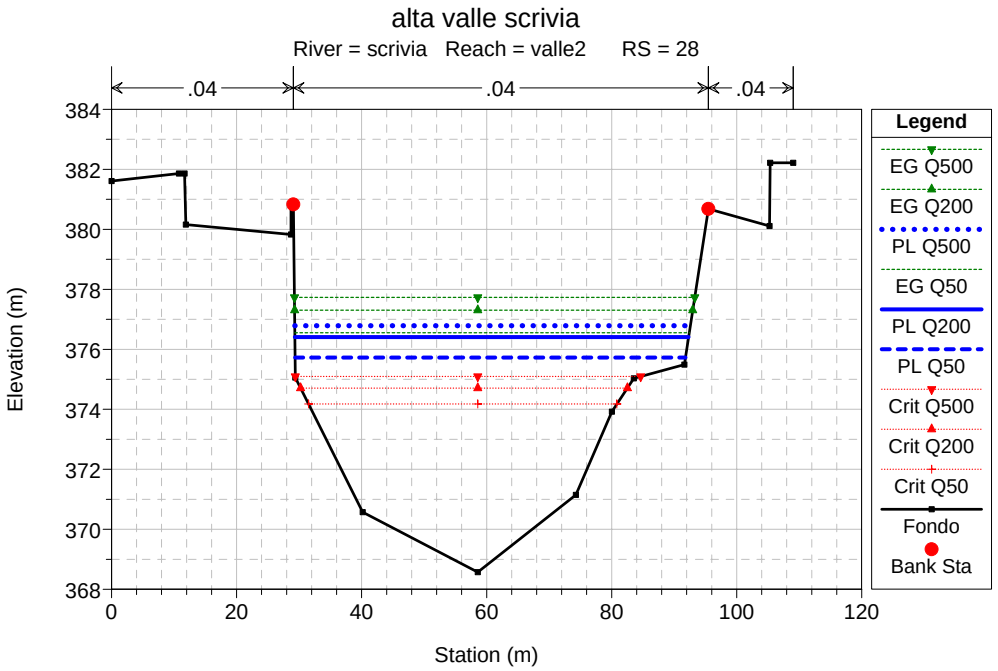

alta valle scrivia
River = scrivia Reach = valle2 RS = 30
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Levee
Bank Sta

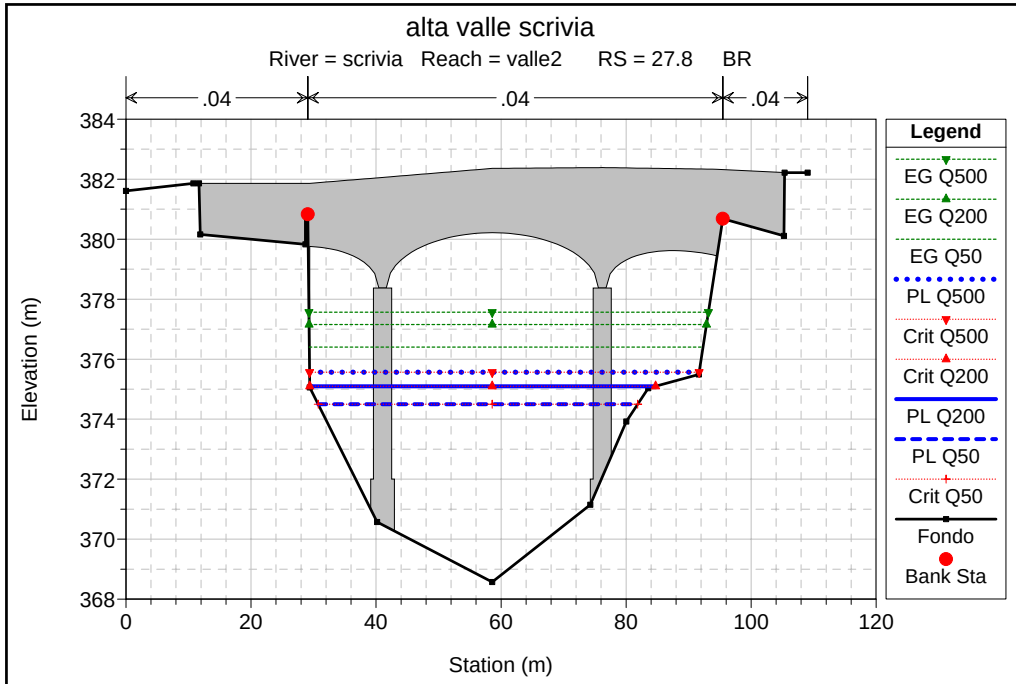

alta valle scrivia
River = scrivia Reach = valle2 RS = 29
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

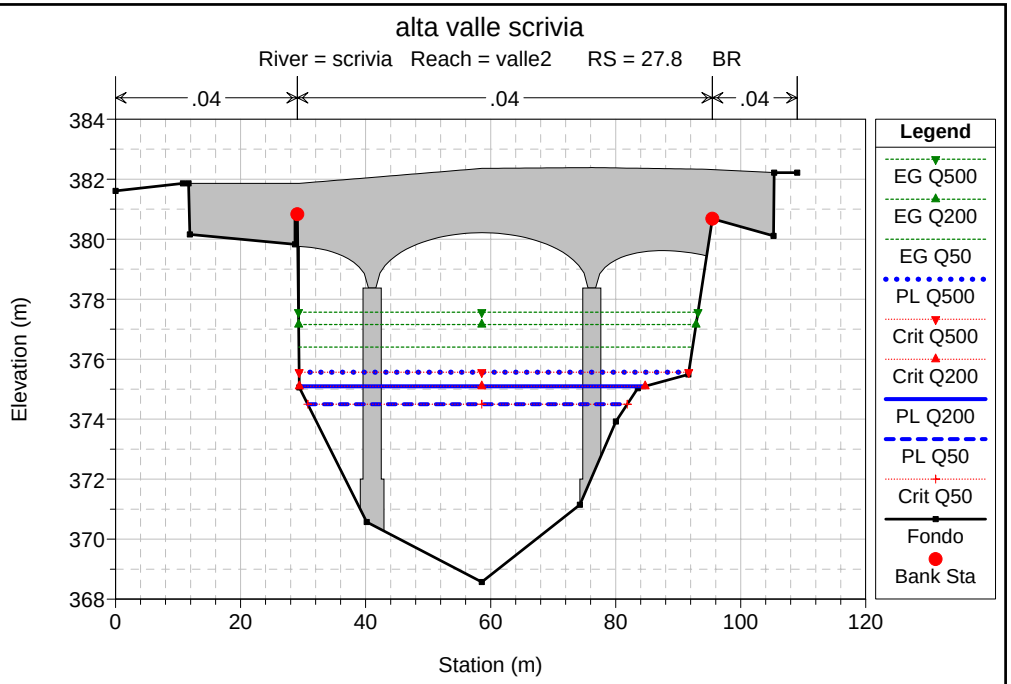

alta valle scrivia
River = scrivia Reach = valle2 RS = 28.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

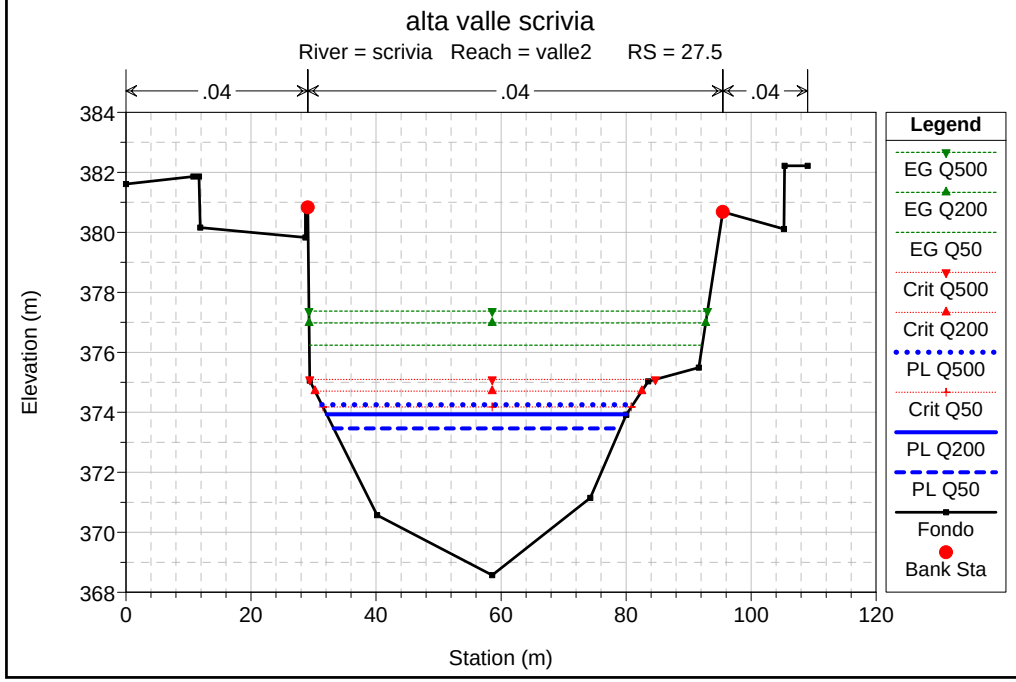

alta valle scrivia
River = scrivia Reach = valle2 RS = 28.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

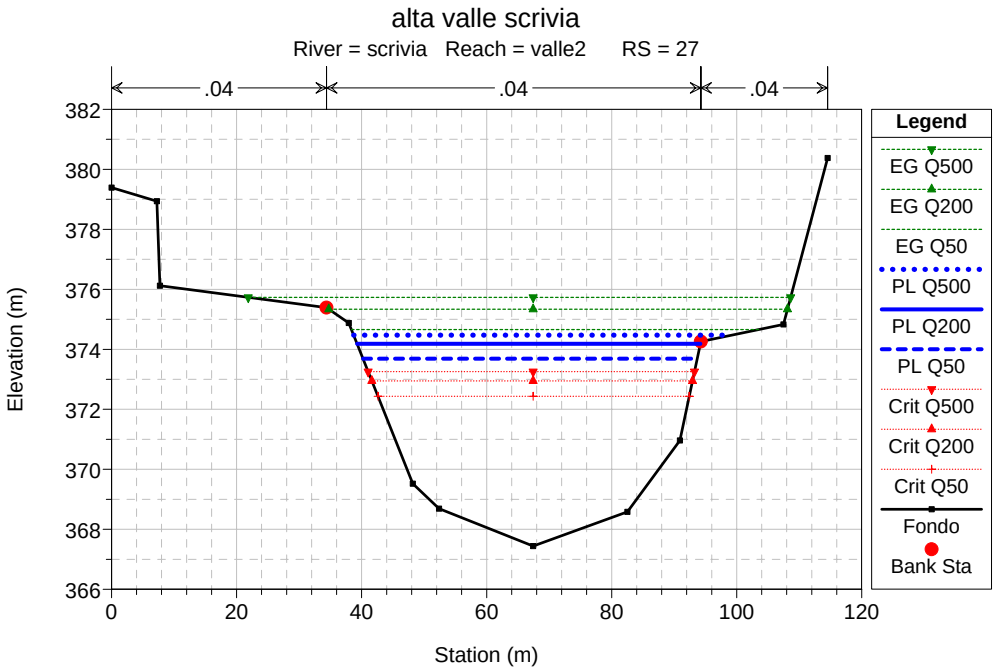

alta valle scrivia
River = scrivia Reach = valle2 RS = 28.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

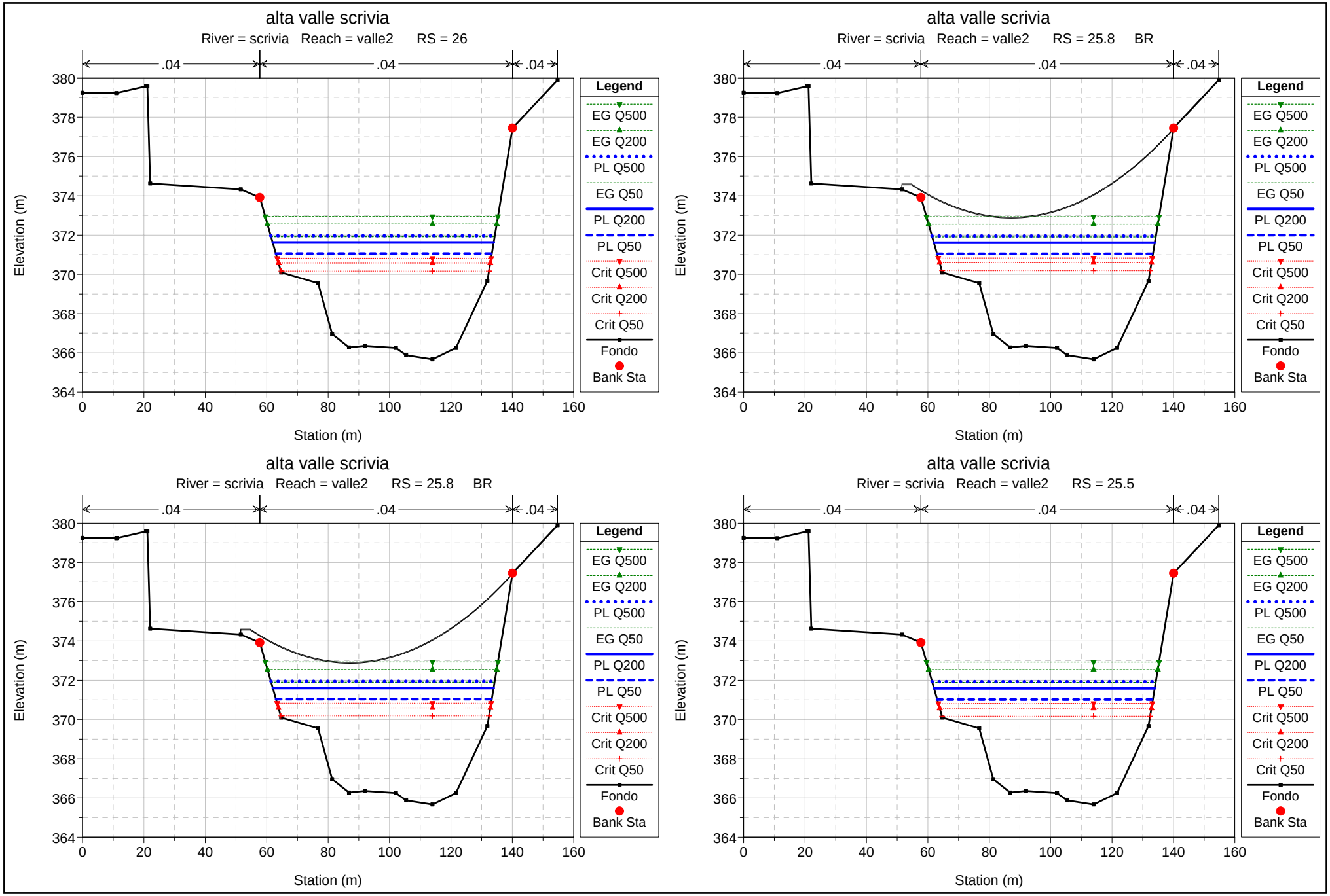

alta valle scrivia
River = scrivia Reach = valle2 RS = 28
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

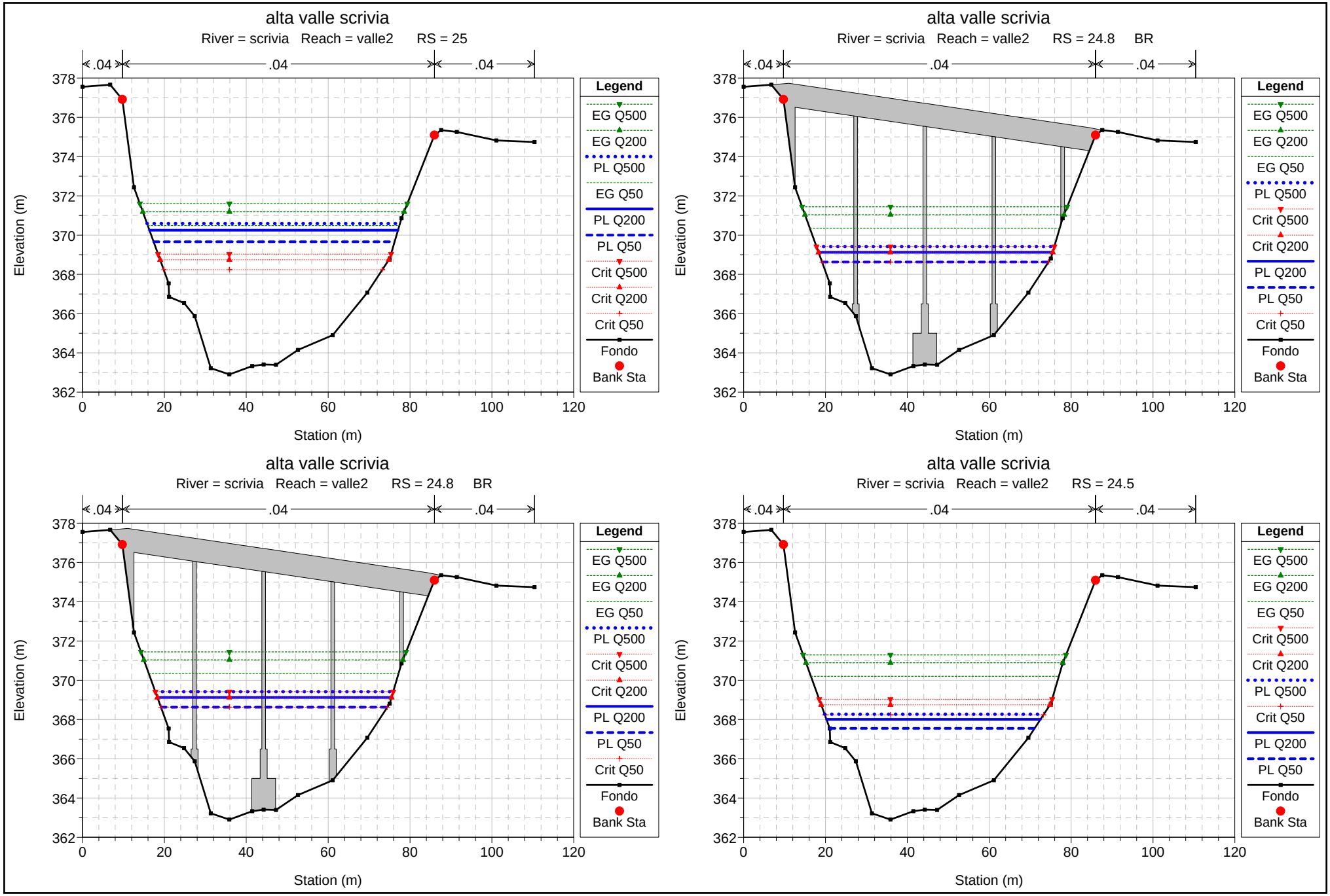

alta valle scrivia
River = scrivia Reach = valle2 RS = 27.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

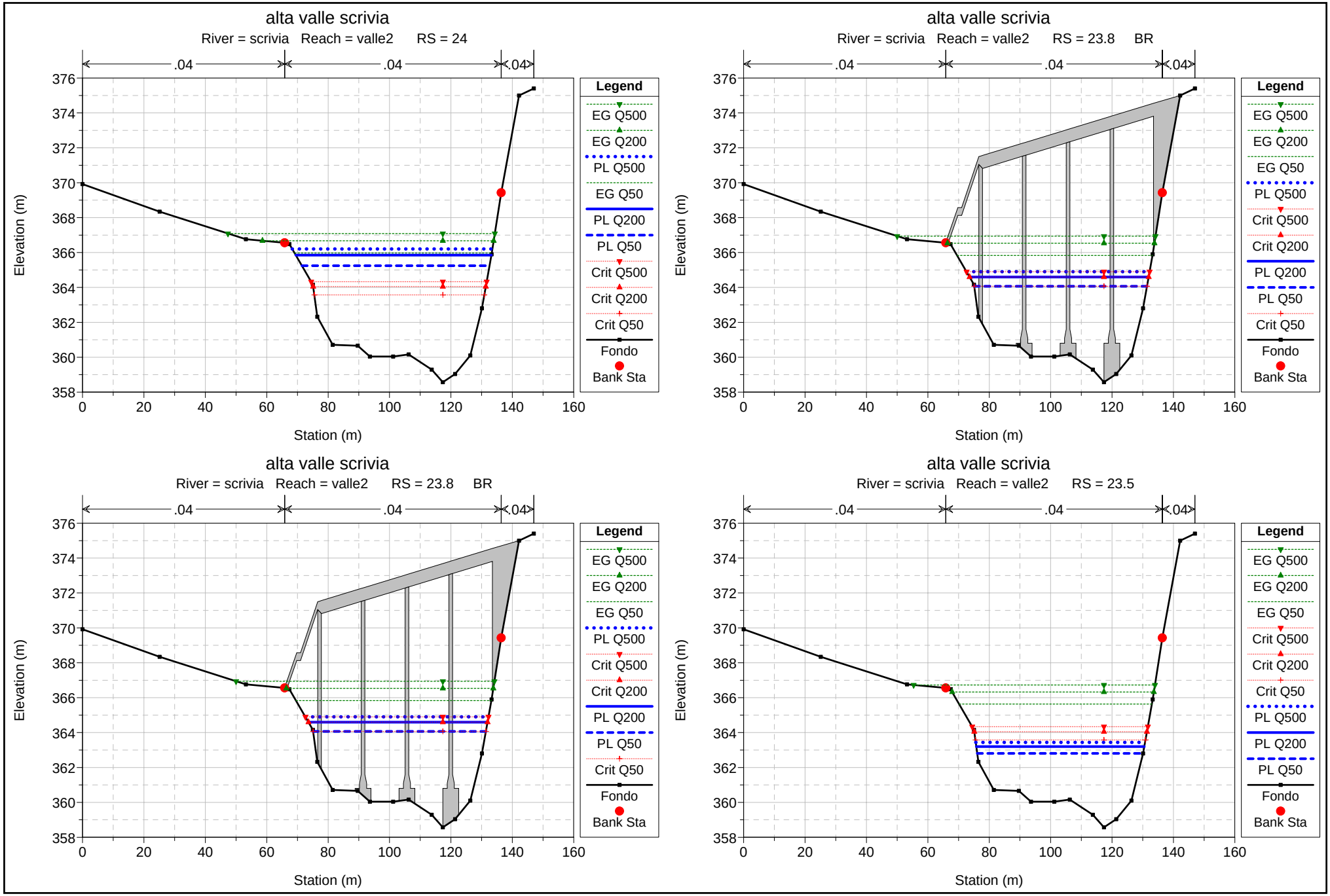

alta valle scrivia
River = scrivia Reach = valle2 RS = 27.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

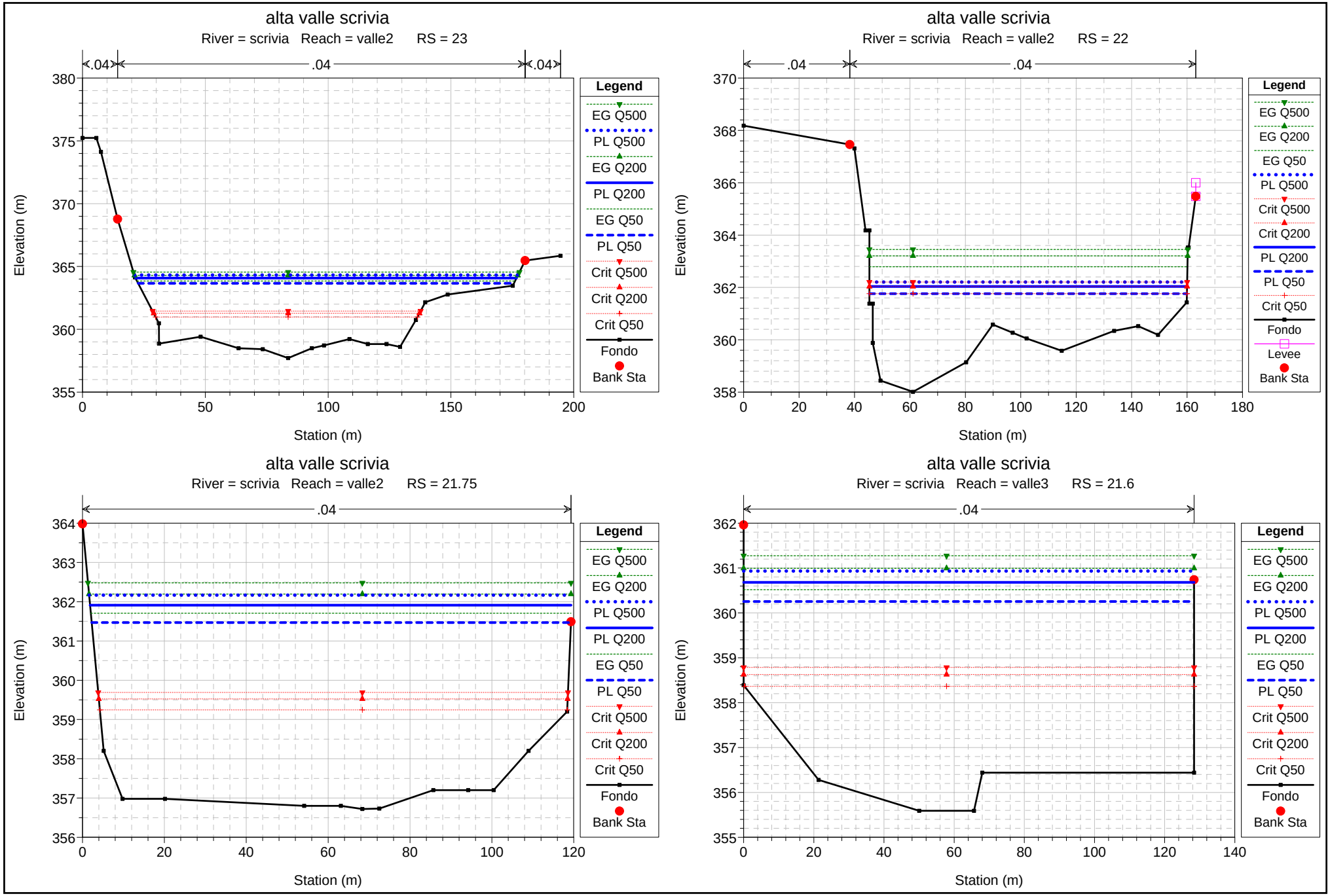

alta valle scrivia
River = scrivia Reach = valle2 RS = 27.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

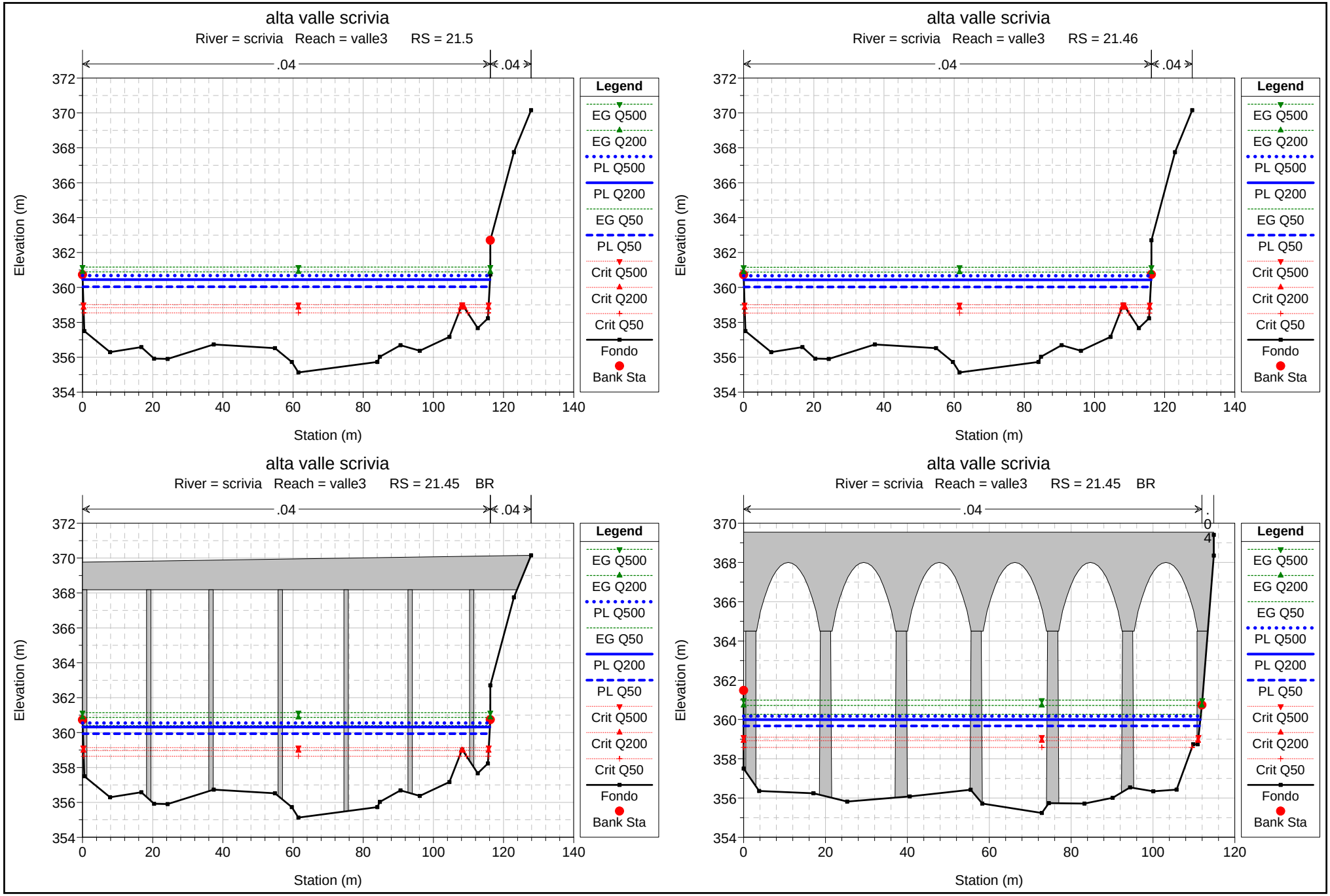

alta valle scrivia
River = scrivia Reach = valle2 RS = 27
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

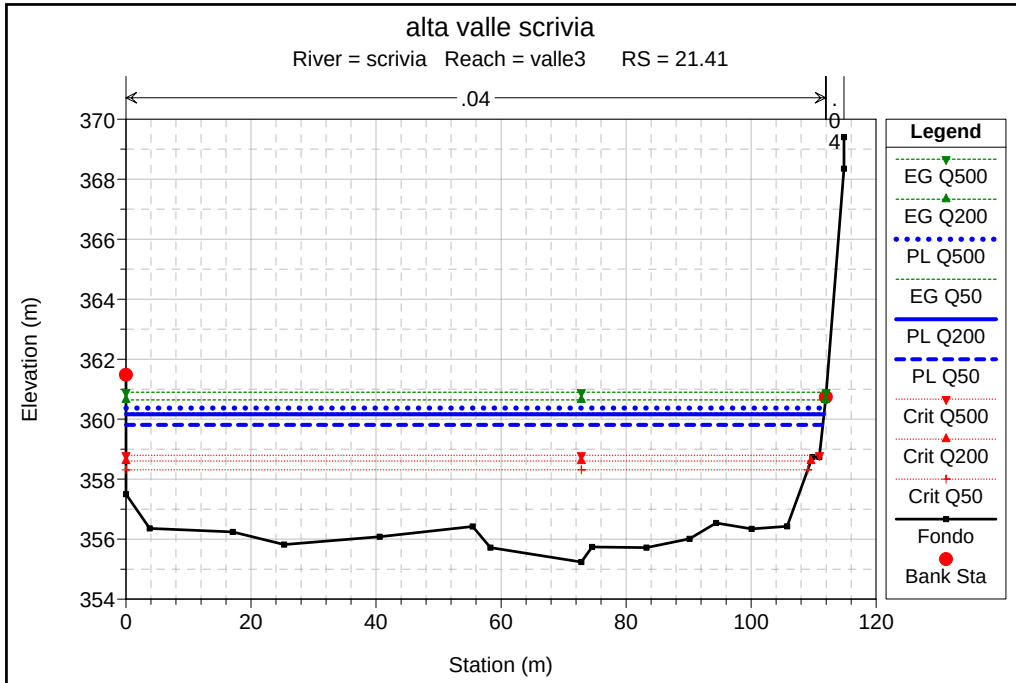

alta valle scrivia
River = scrivia Reach = valle2 RS = 26
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle2 RS = 25.8 BR
alta valle scrivia
River = scrivia Reach = valle2 RS = 25.8 BR
alta valle scrivia
River = scrivia Reach = valle2 RS = 25.5

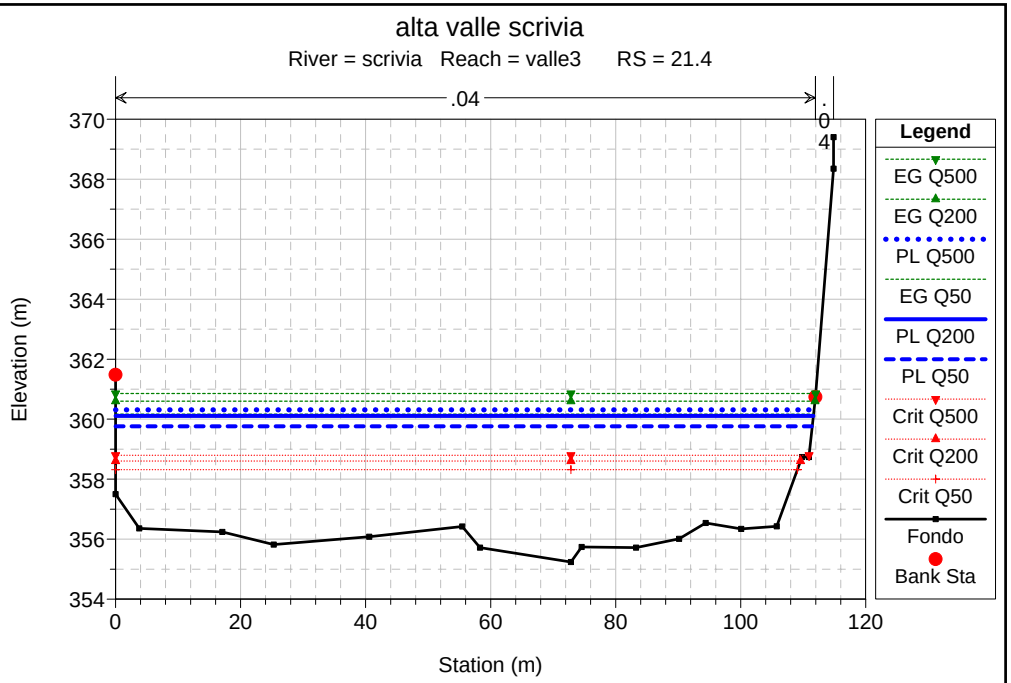

alta valle scrivia
River = scrivia Reach = valle2 RS = 25
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle2 RS = 24.8 BR
alta valle scrivia
River = scrivia Reach = valle2 RS = 24.8 BR
alta valle scrivia
River = scrivia Reach = valle2 RS = 24.5

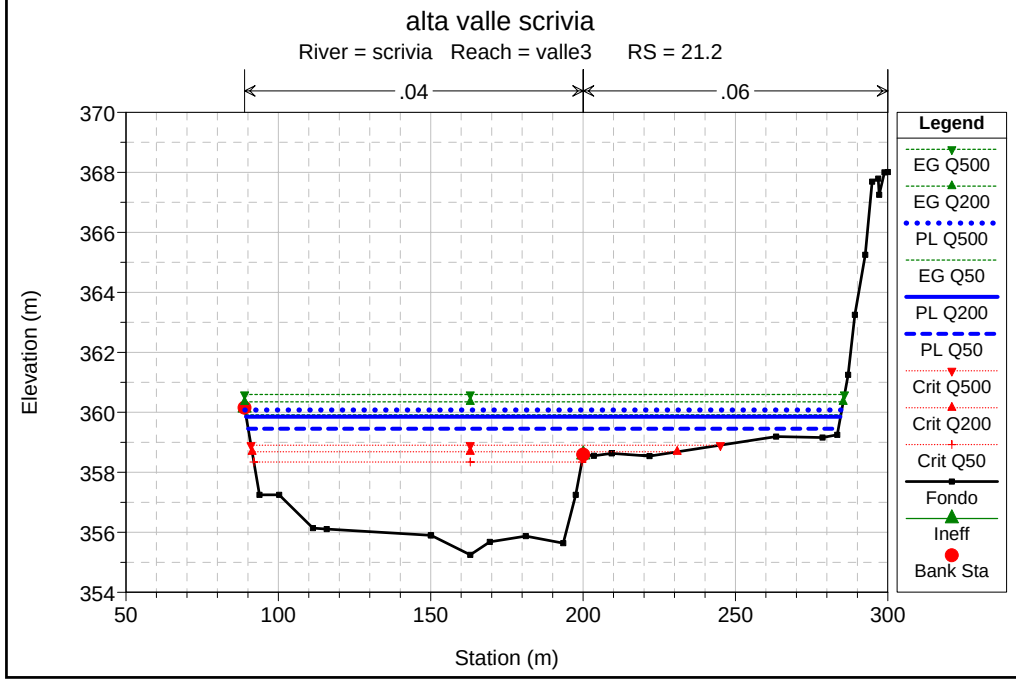

alta valle scrivia
River = scrivia Reach = valle2 RS = 24
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle2 RS = 23.8 BR
alta valle scrivia
River = scrivia Reach = valle2 RS = 23.8 BR
alta valle scrivia
River = scrivia Reach = valle2 RS = 23.5

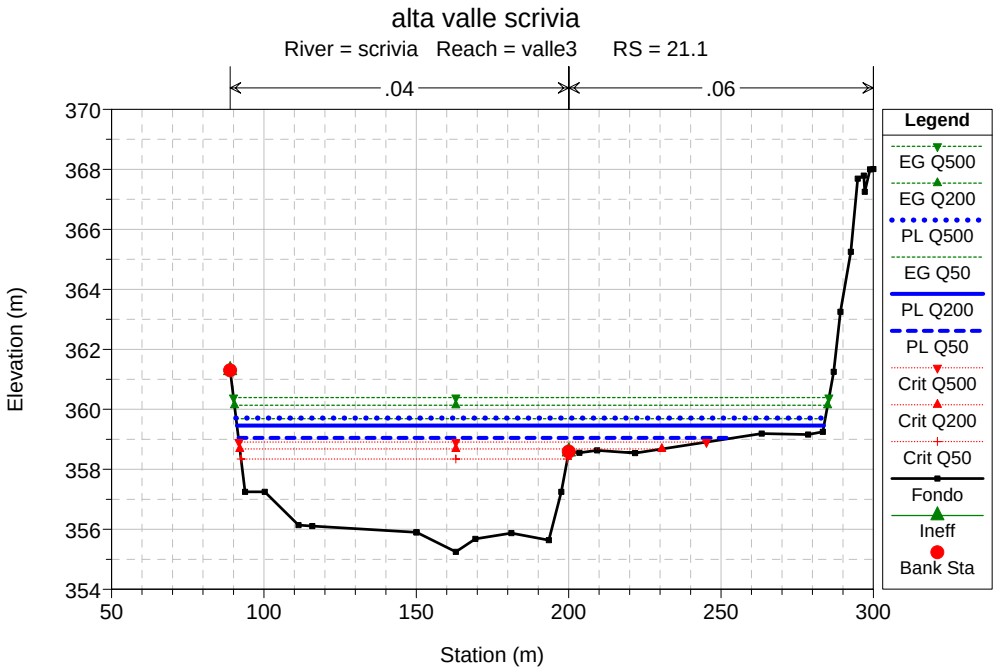

alta valle scrivia
River = scrivia Reach = valle2 RS = 23
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle2 RS = 22
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Levee
Bank Sta
alta valle scrivia
River = scrivia Reach = valle2 RS = 21.75
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle3 RS = 21.6
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

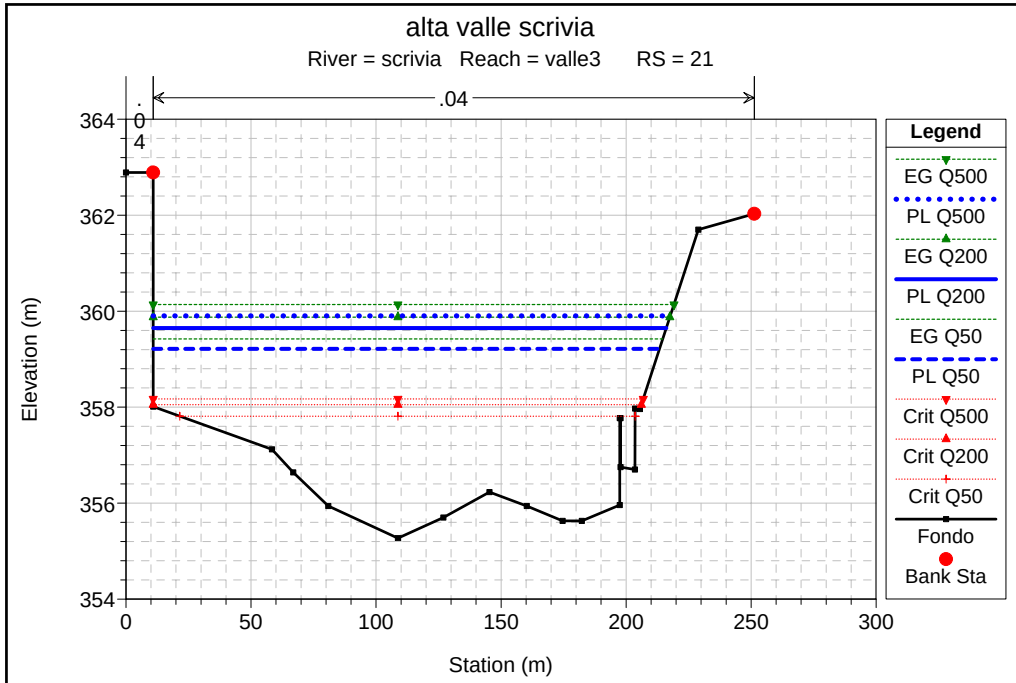

alta valle scrivia
River = scrivia Reach = valle3 RS = 21.5
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle3 RS = 21.46
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle3 RS = 21.45 BR
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle3 RS = 21.45 BR
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

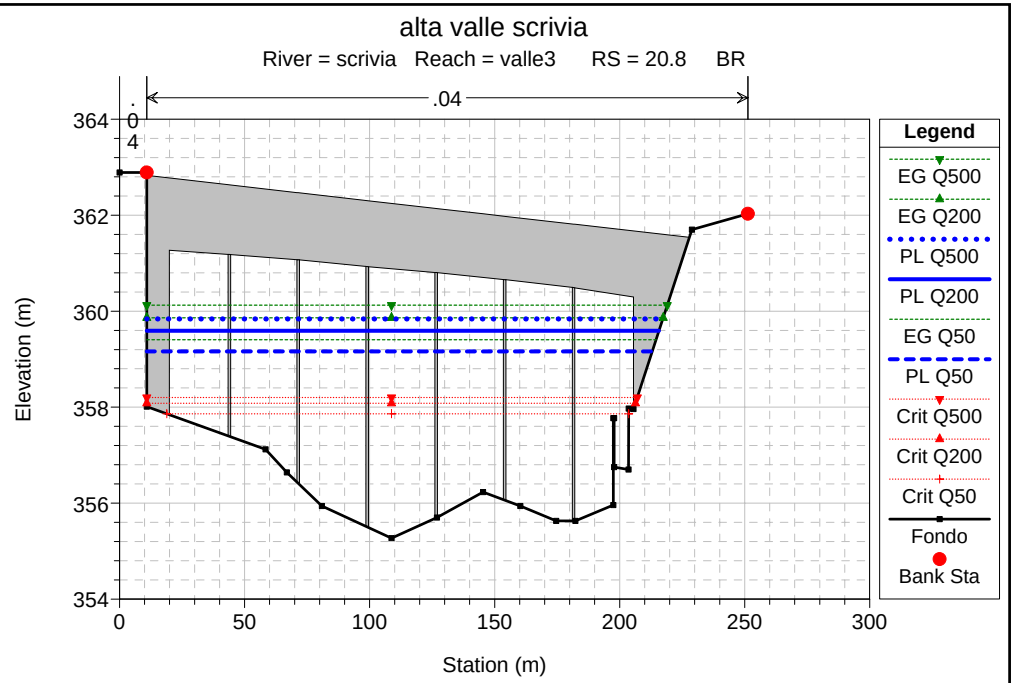

alta valle scrivia
River = scrivia Reach = valle3 RS = 21.41
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

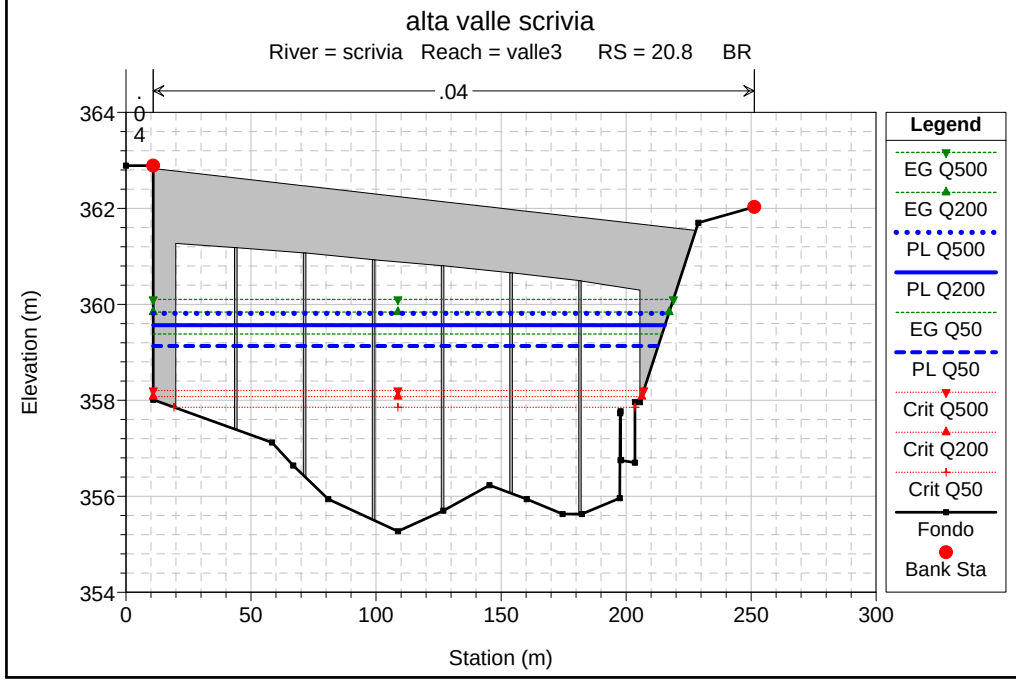

alta valle scrivia
River = scrivia Reach = valle3 RS = 21.4
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

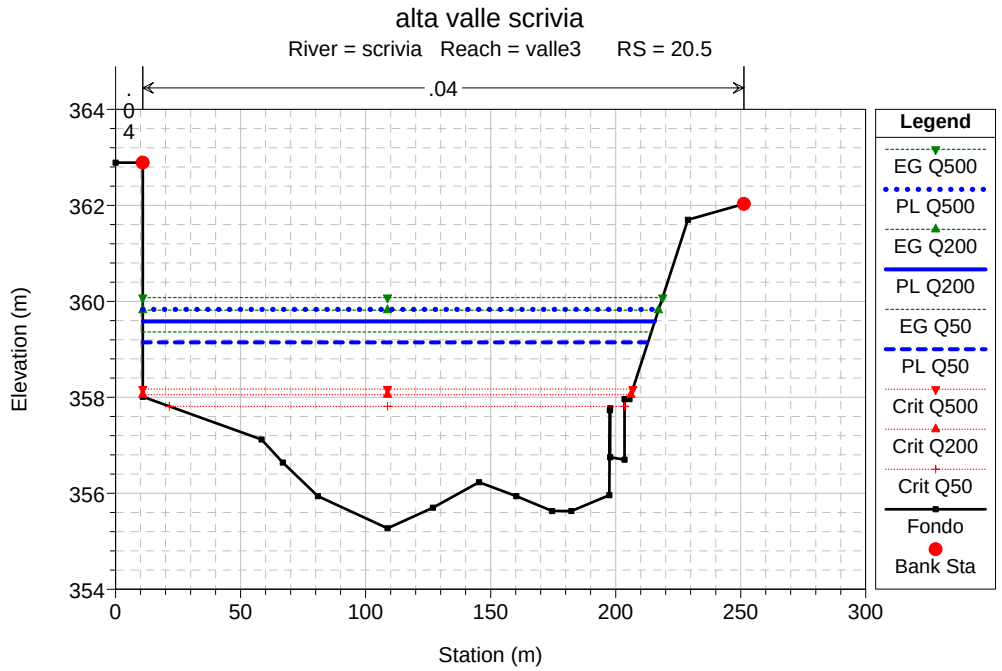

alta valle scrivia
River = scrivia Reach = valle3 RS = 21.2
.04
.06
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Ineff
Bank Sta

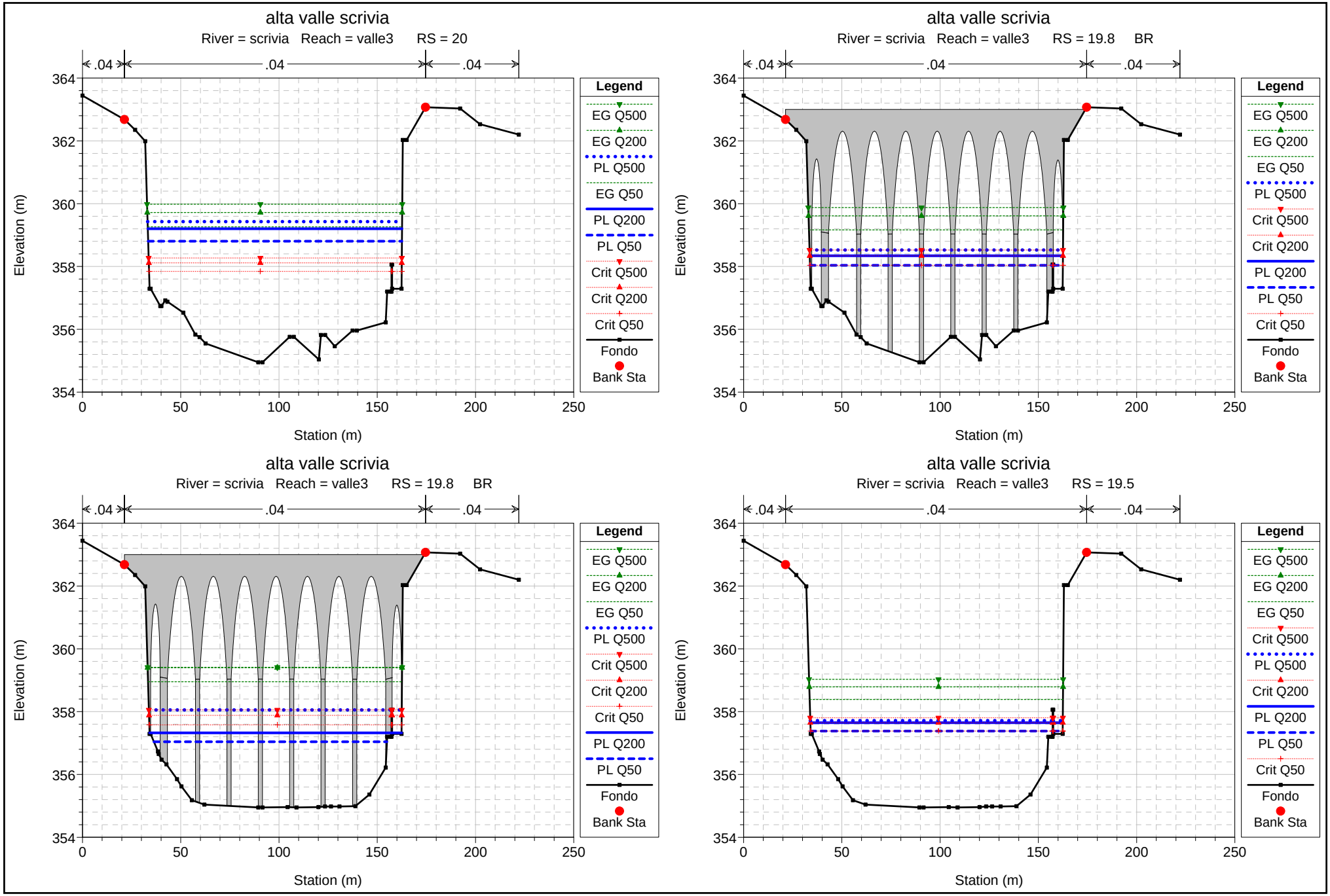

alta valle scrivia
River = scrivia Reach = valle3 RS = 21.1
.04
.06
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Ineff
Bank Sta

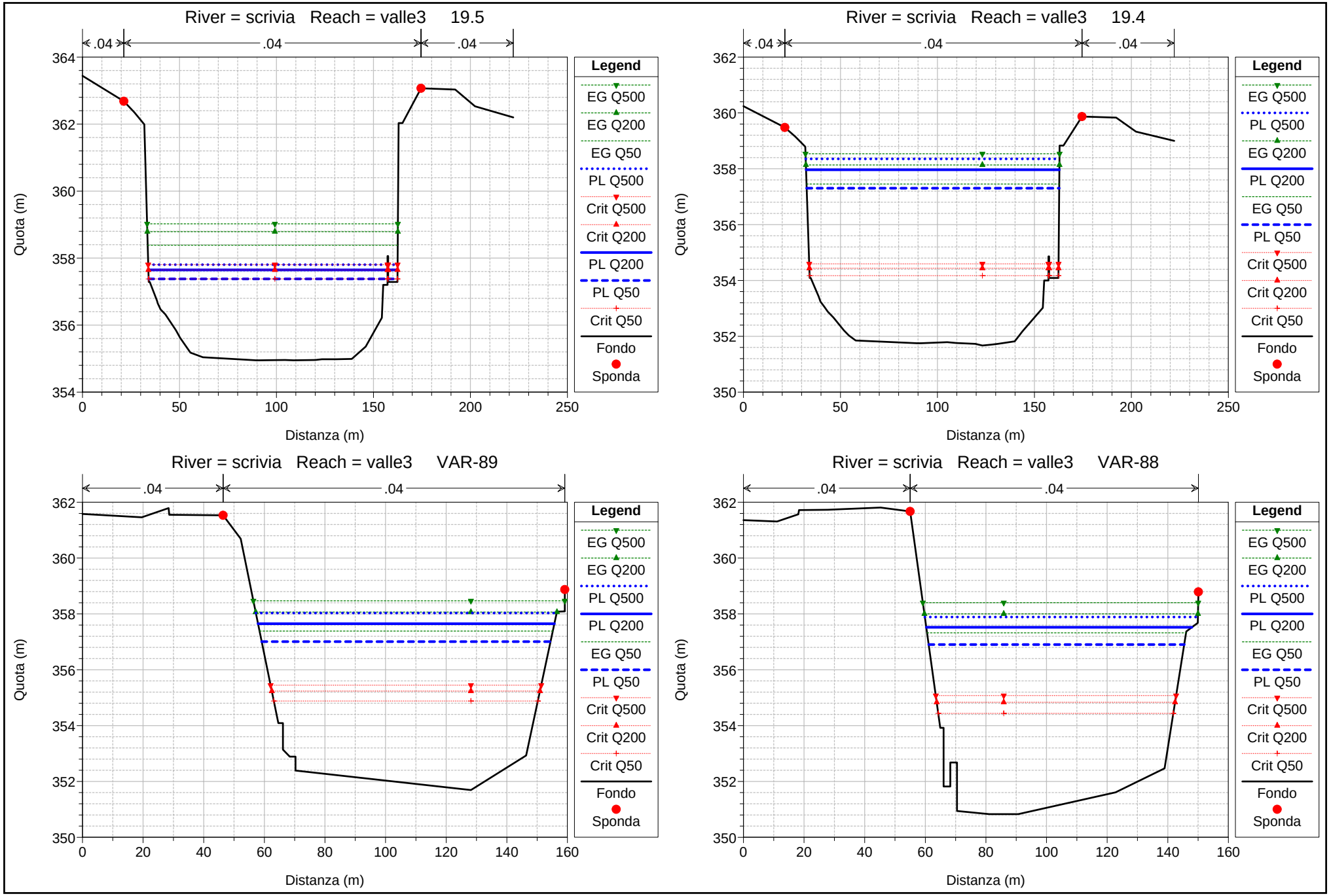

alta valle scrivia
River = scrivia Reach = valle3 RS = 21
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

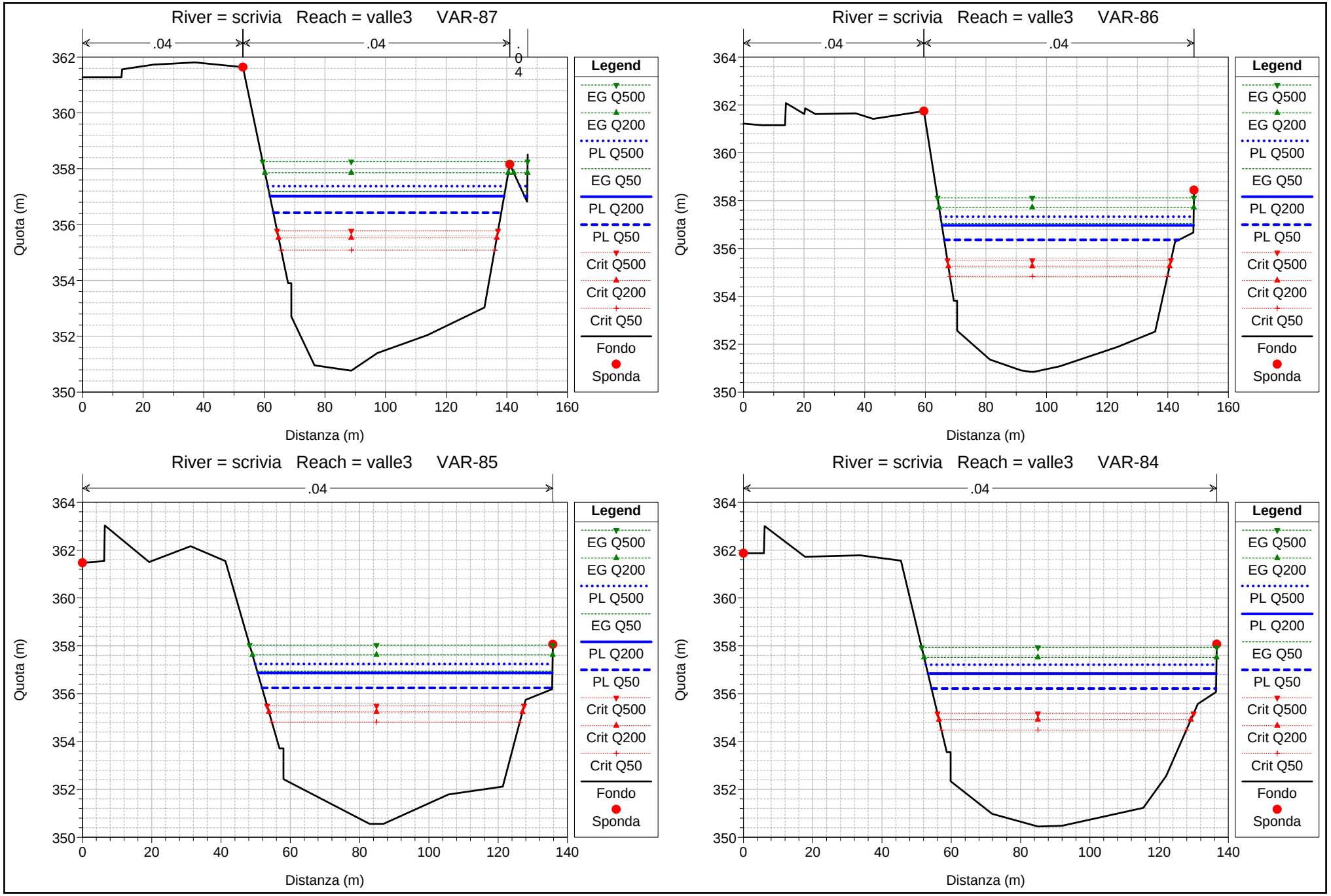

alta valle scrivia
River = scrivia Reach = valle3 RS = 20.8 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

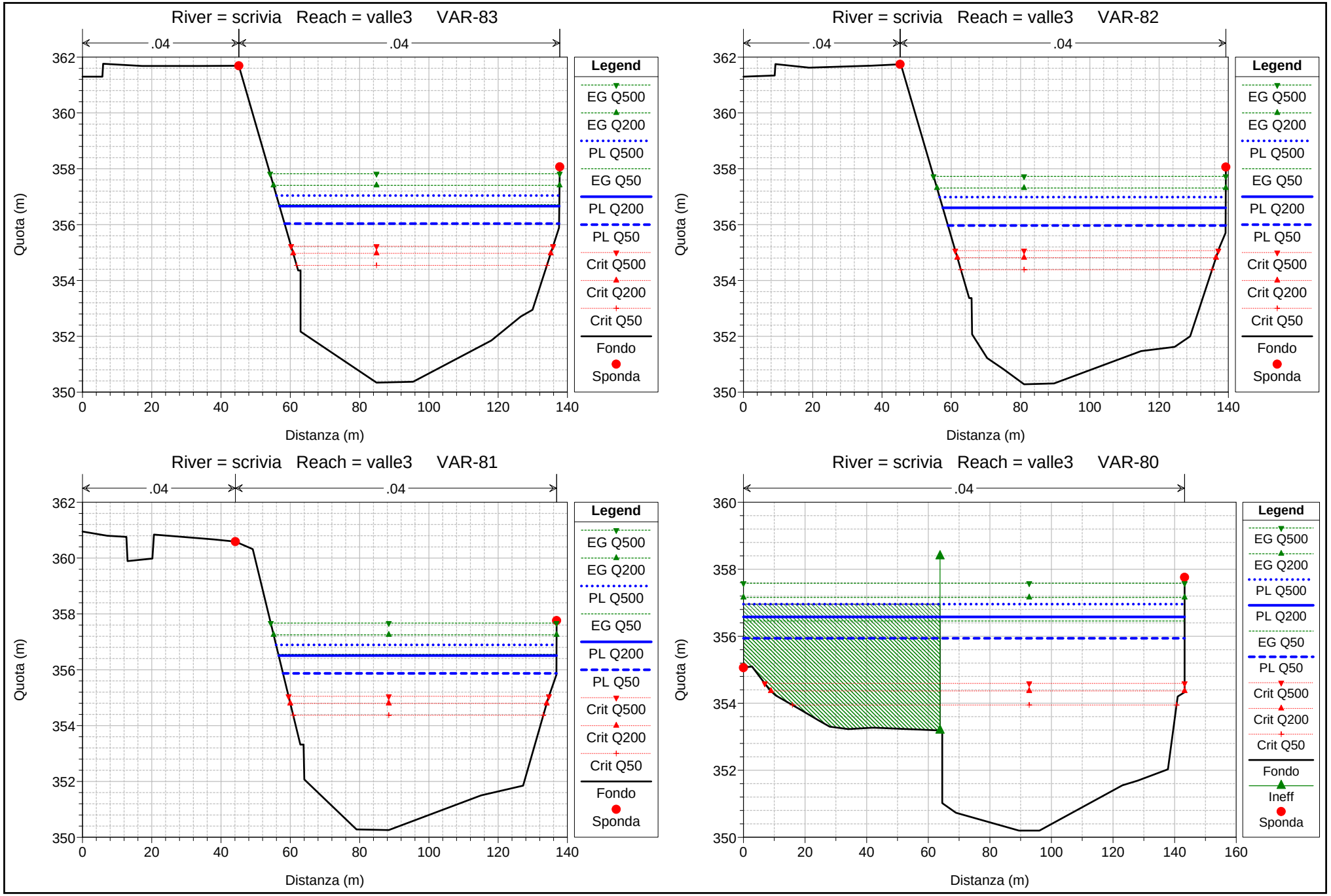

alta valle scrivia
River = scrivia Reach = valle3 RS = 20.8 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

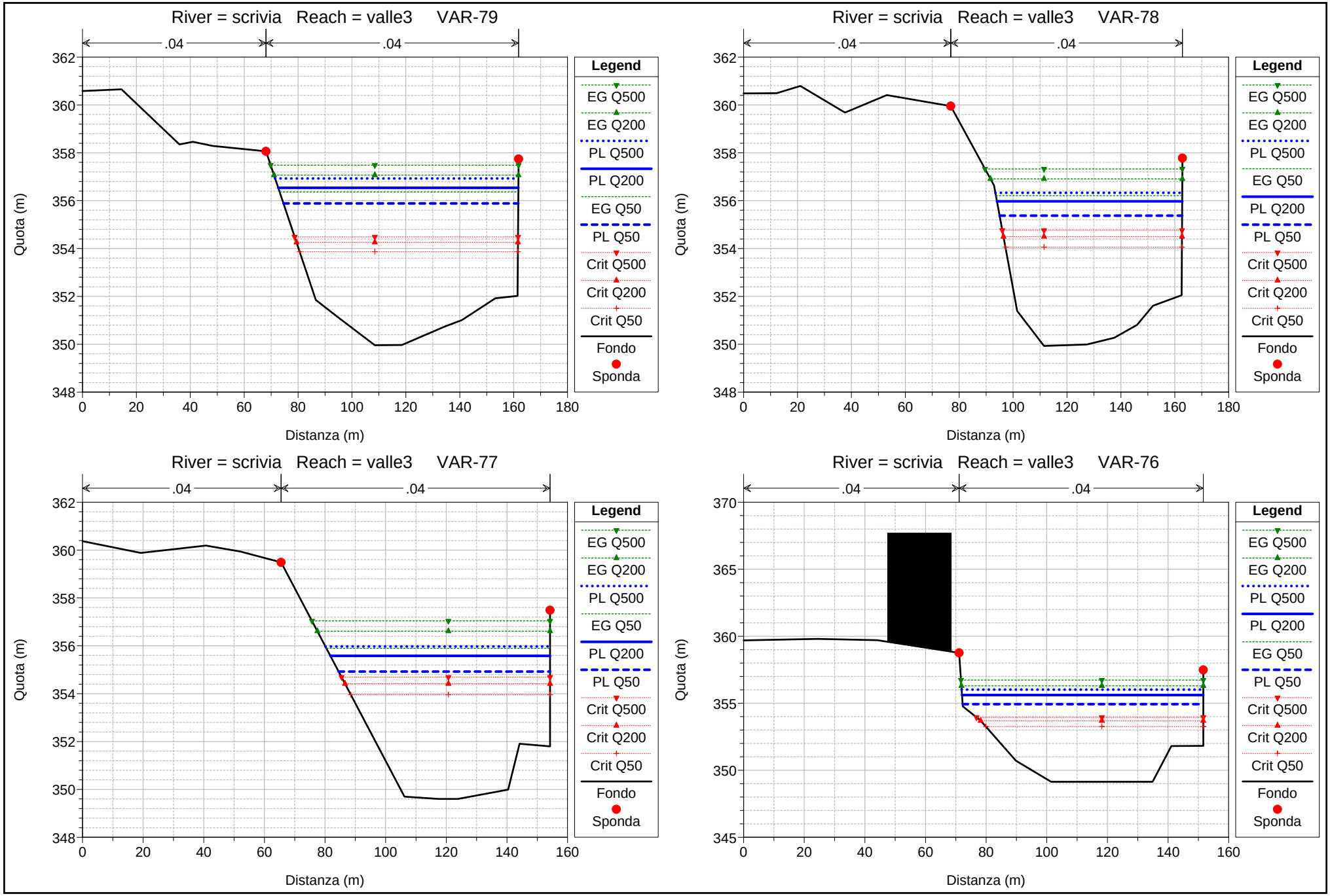

alta valle scrivia
River = scrivia Reach = valle3 RS = 20.5
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

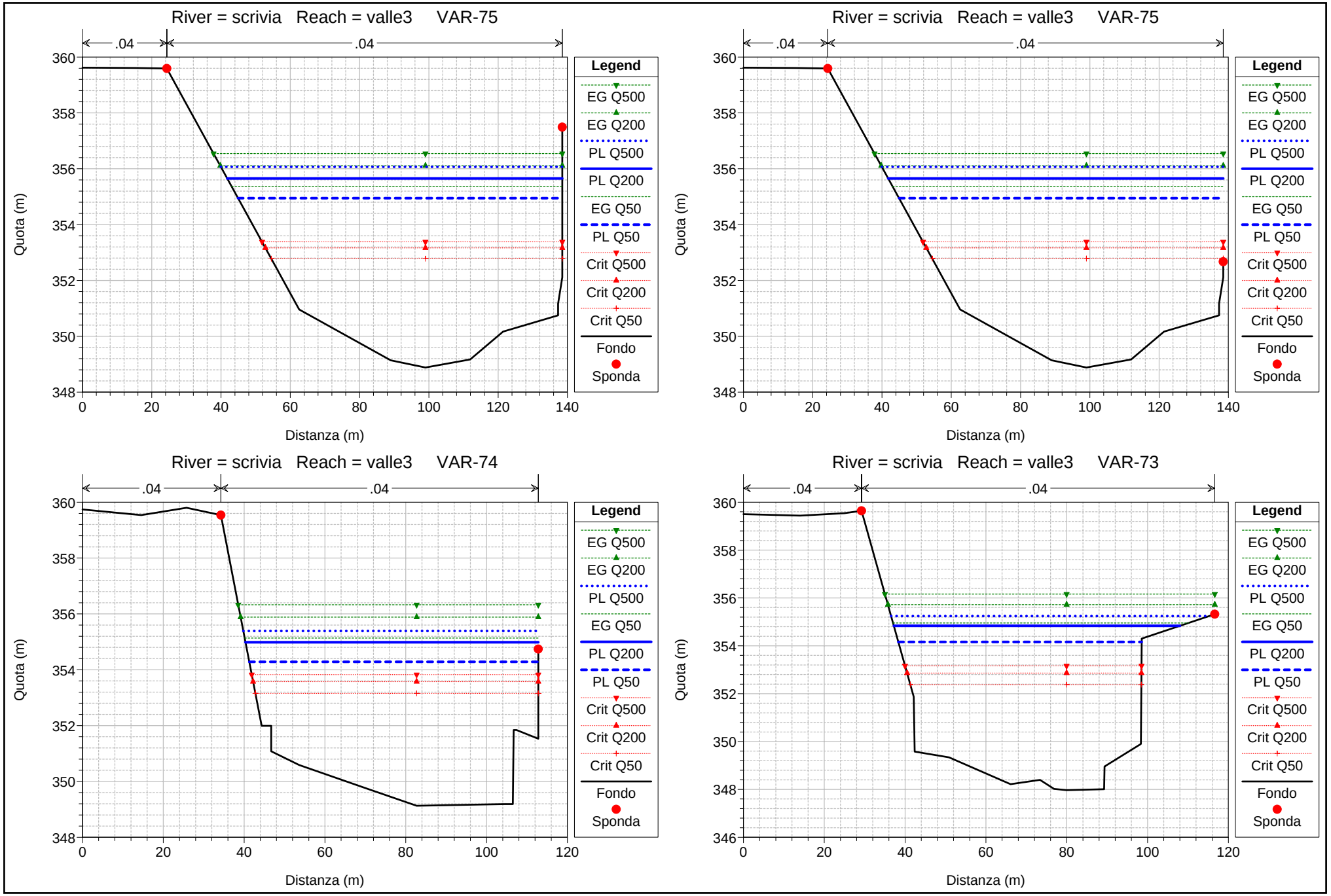

alta valle scrivia
River = scrivia Reach = valle3 RS = 20
.04
.04
.04
Elevation (m)
364
362
360
358
356
354
0
50
100
150
200
250
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle3 RS = 19.8 BR
.04
.04
.04
Elevation (m)
364
362
360
358
356
354
0
50
100
150
200
250
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle3 RS = 19.8 BR
.04
.04
.04
Elevation (m)
364
362
360
358
356
354
0
50
100
150
200
250
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = valle3 RS = 19.5
.04
.04
.04
Elevation (m)
364
362
360
358
356
354
0
50
100
150
200
250
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

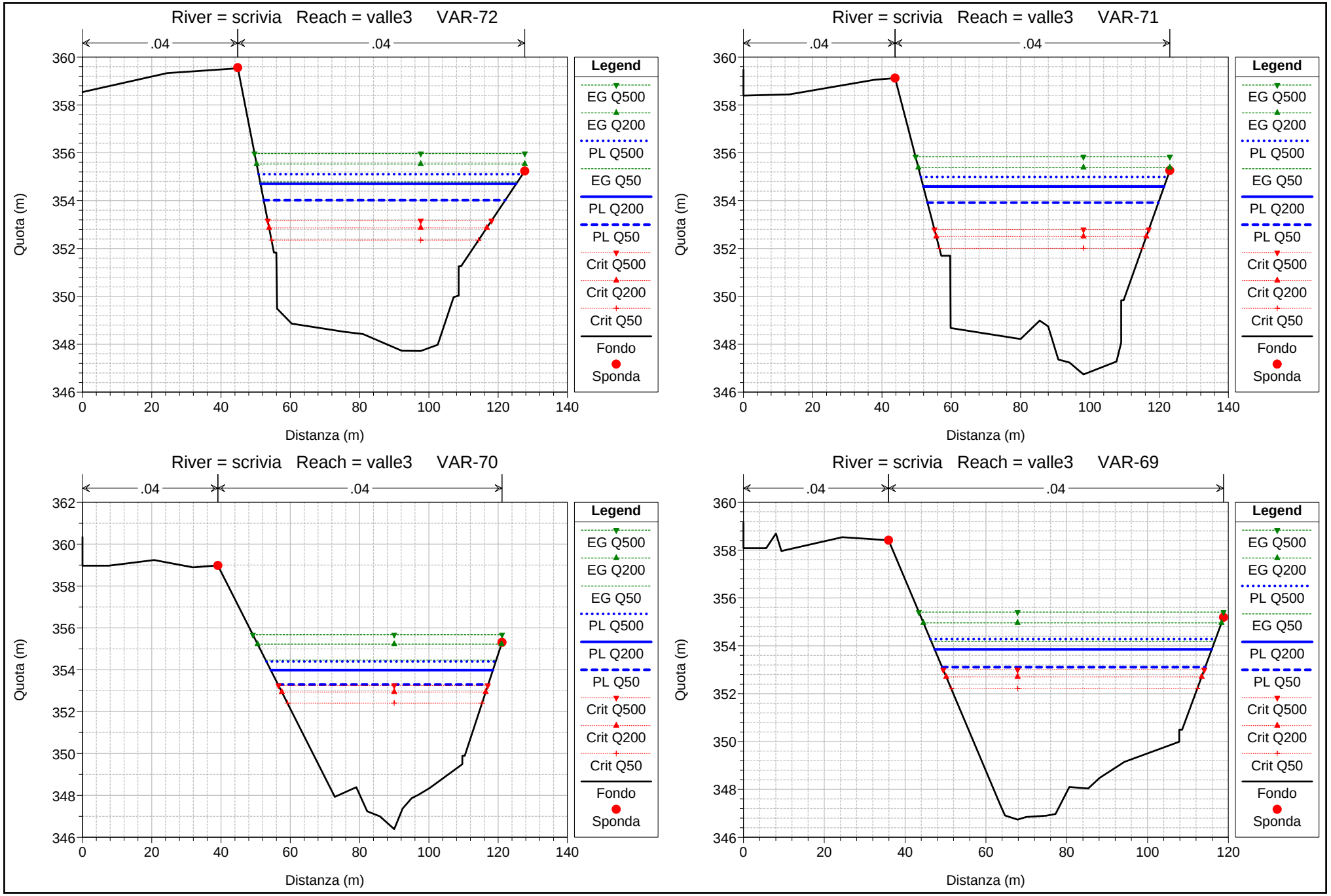

River = scrivia Reach = valle3 19.5
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 19.4
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-89
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-88
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

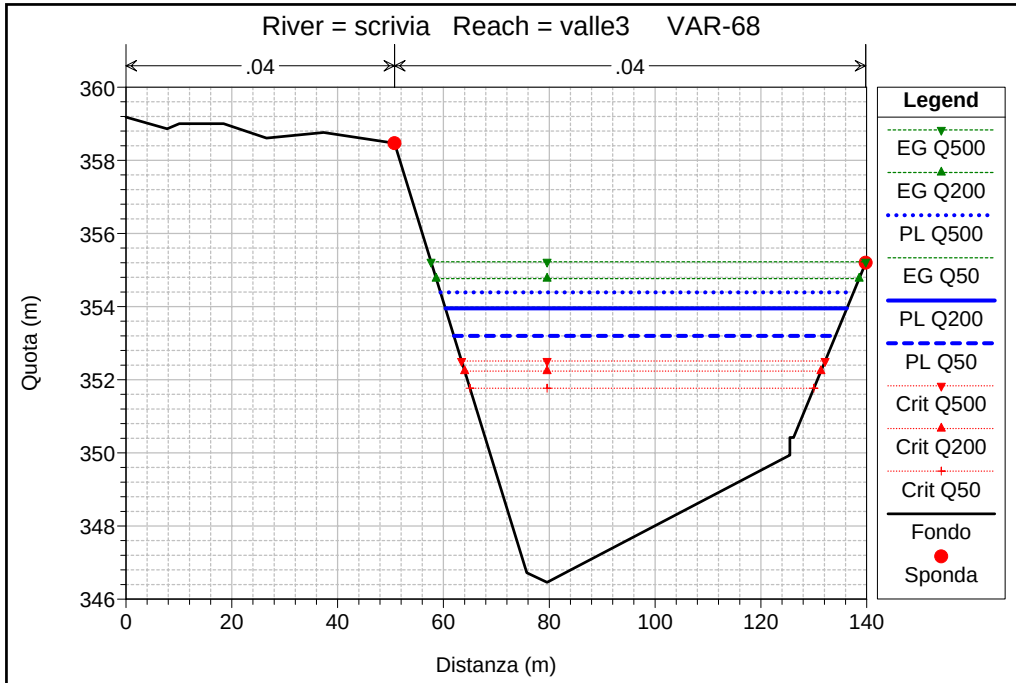

River = scrivia Reach = valle3 VAR-87
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-86
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-85
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-84
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

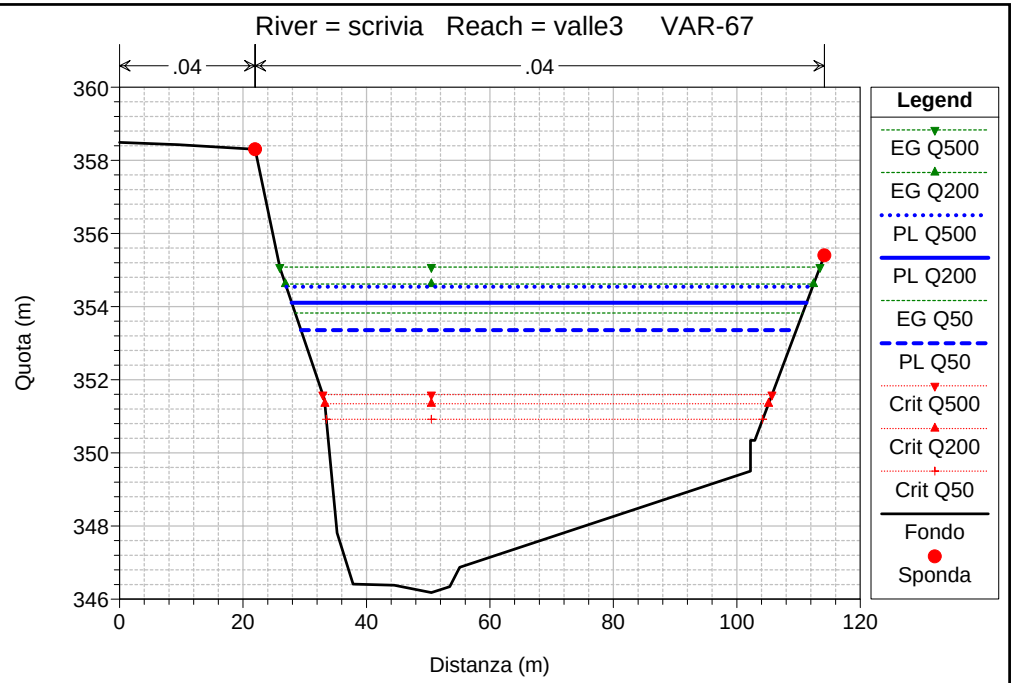

River = scrivia Reach = valle3 VAR-83
River = scrivia Reach = valle3 VAR-82
River = scrivia Reach = valle3 VAR-81
River = scrivia Reach = valle3 VAR-80
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Ineff
Sponda

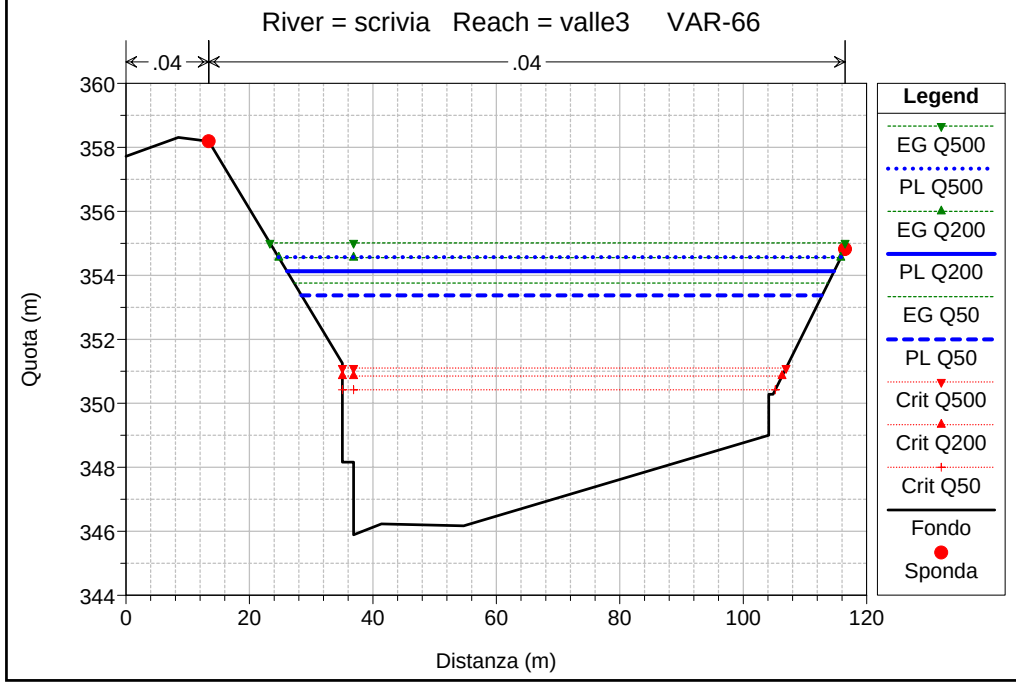

River = scrivia Reach = valle3 VAR-79
River = scrivia Reach = valle3 VAR-78
River = scrivia Reach = valle3 VAR-77
River = scrivia Reach = valle3 VAR-76
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

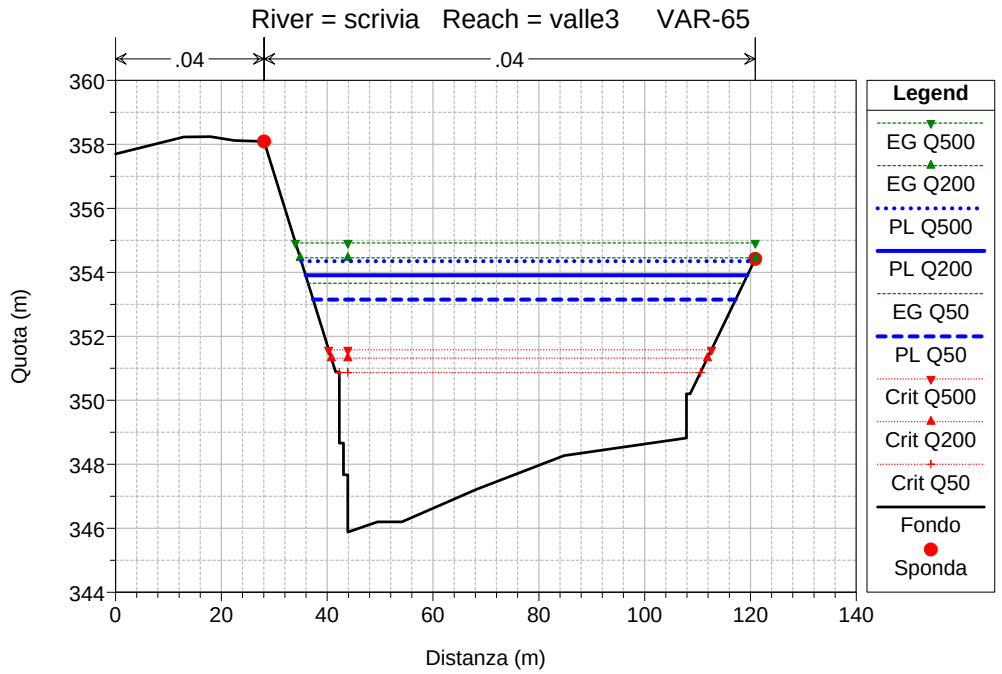

River = scrivia Reach = valle3 VAR-75
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-75
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-74
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-73
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

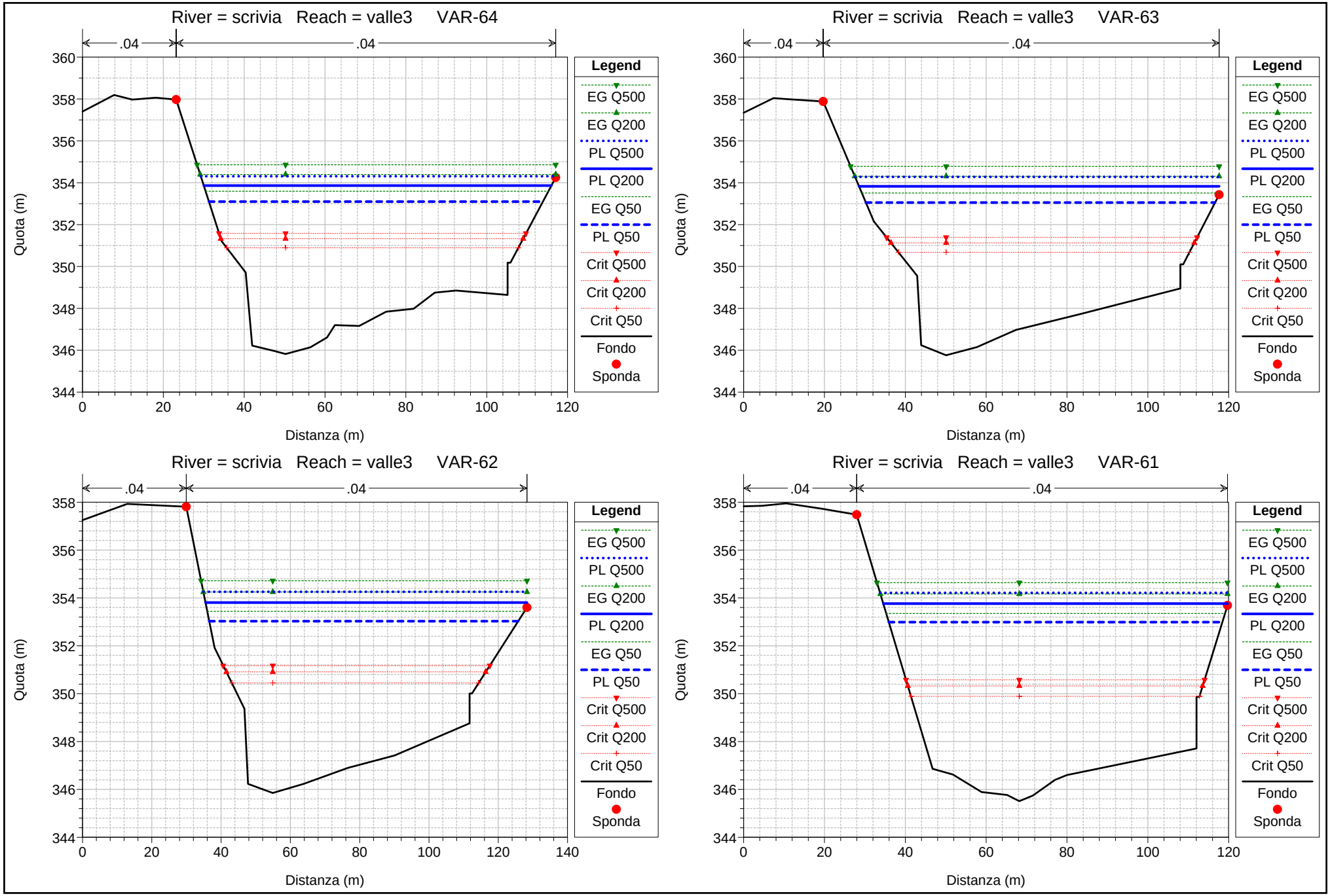

River = scrivia Reach = valle3 VAR-72
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-71
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-70
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-69
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

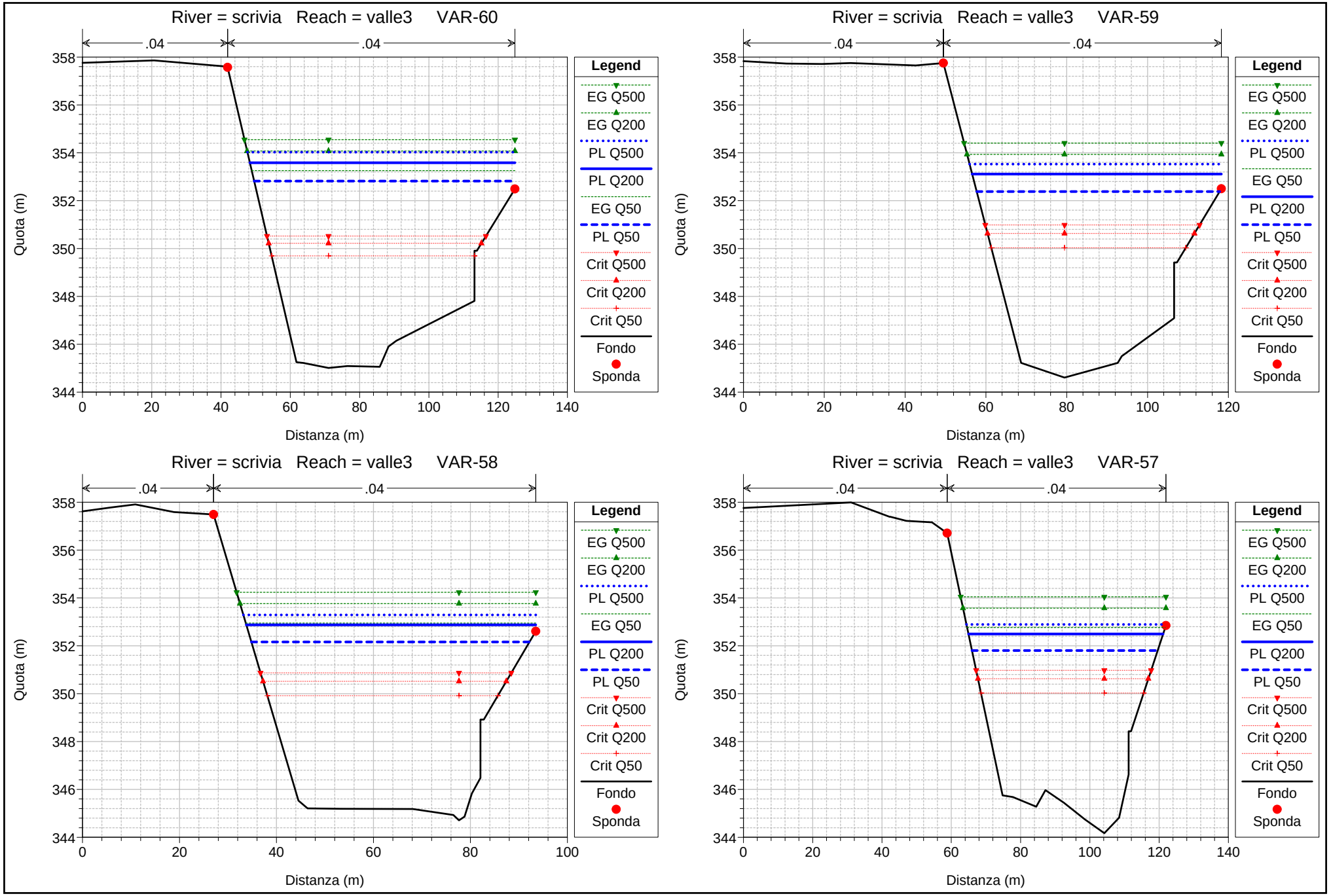

River = scrivia Reach = valle3 VAR-68
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

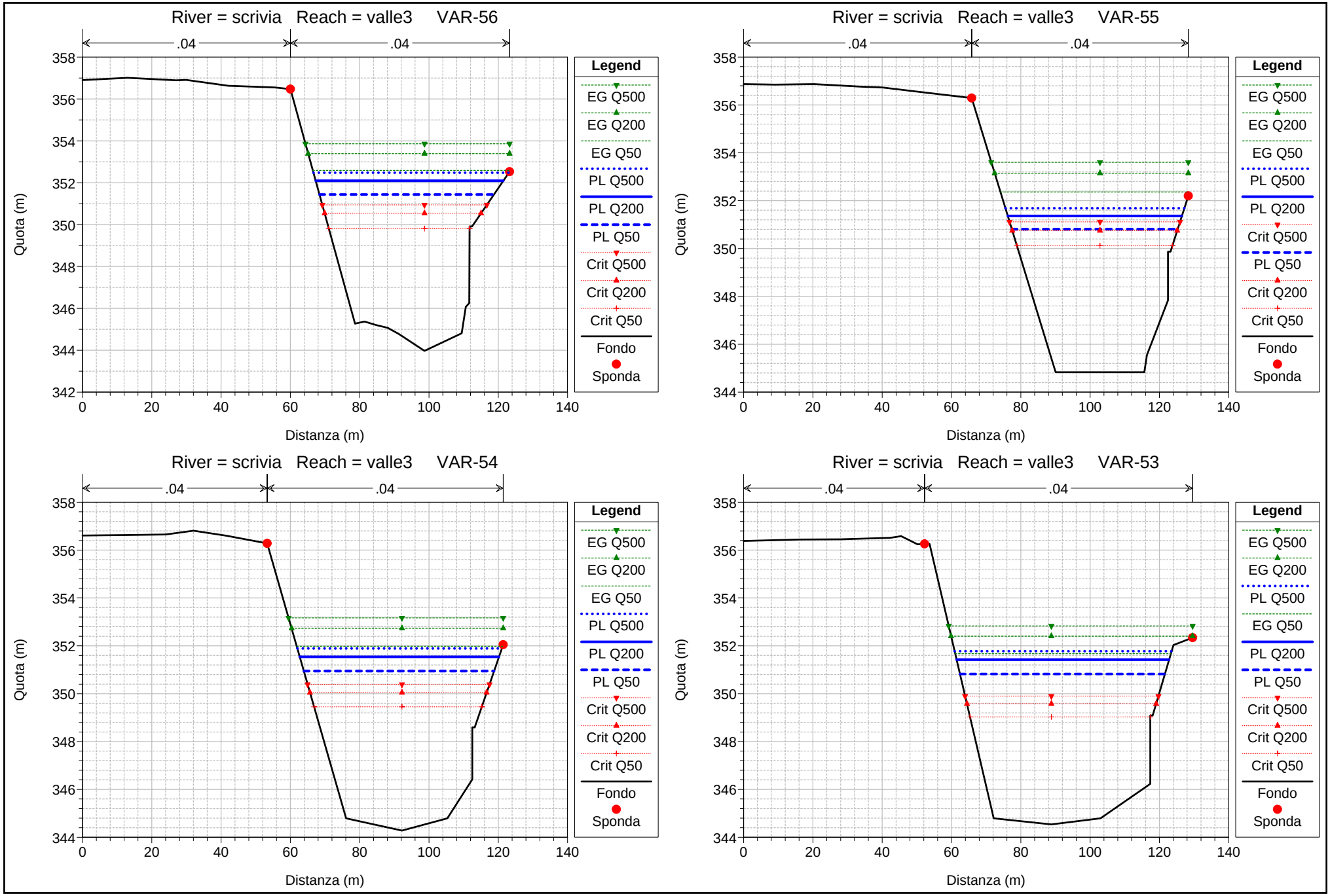

River = scrivia Reach = valle3 VAR-67
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

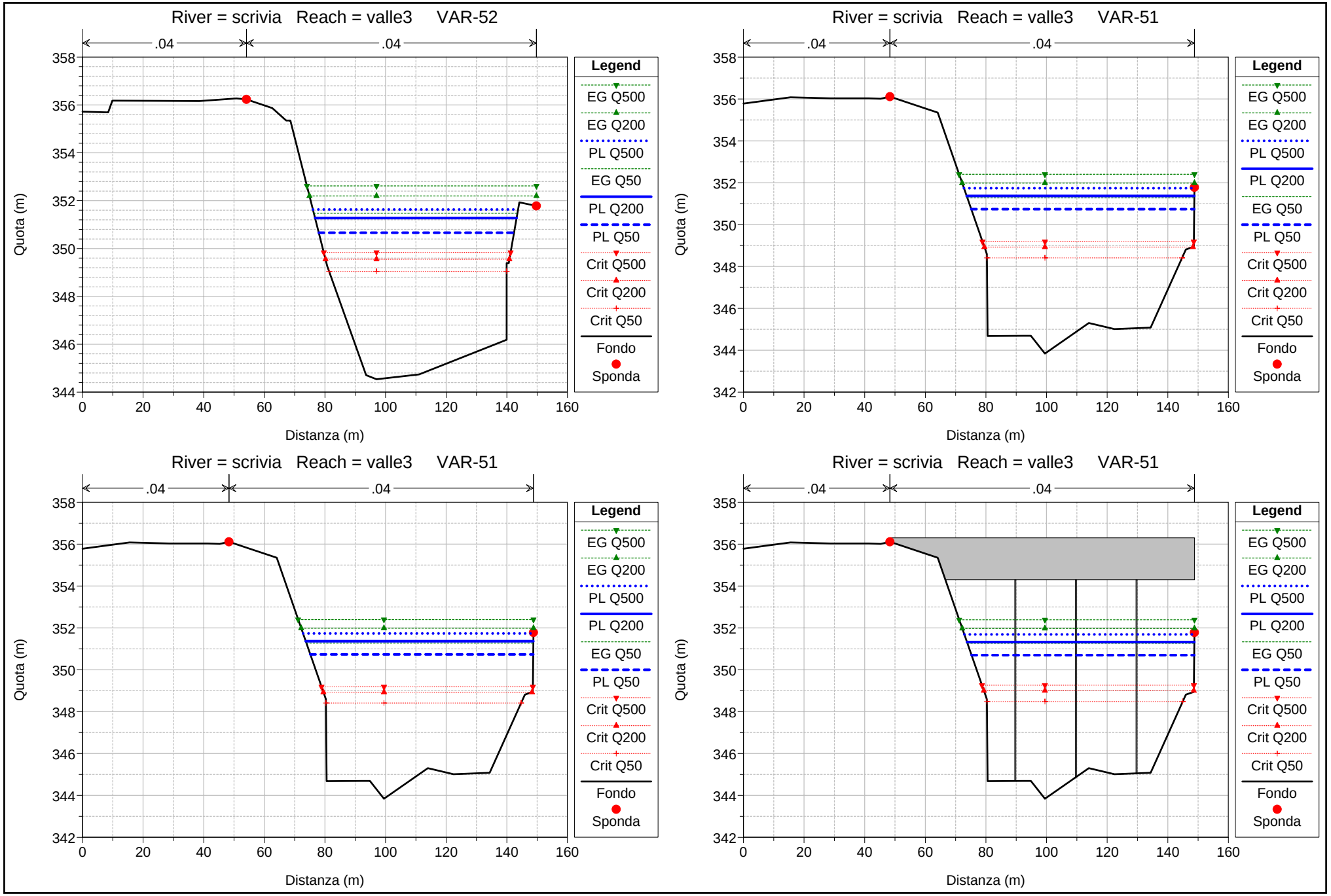

River = scrivia Reach = valle3 VAR-66
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

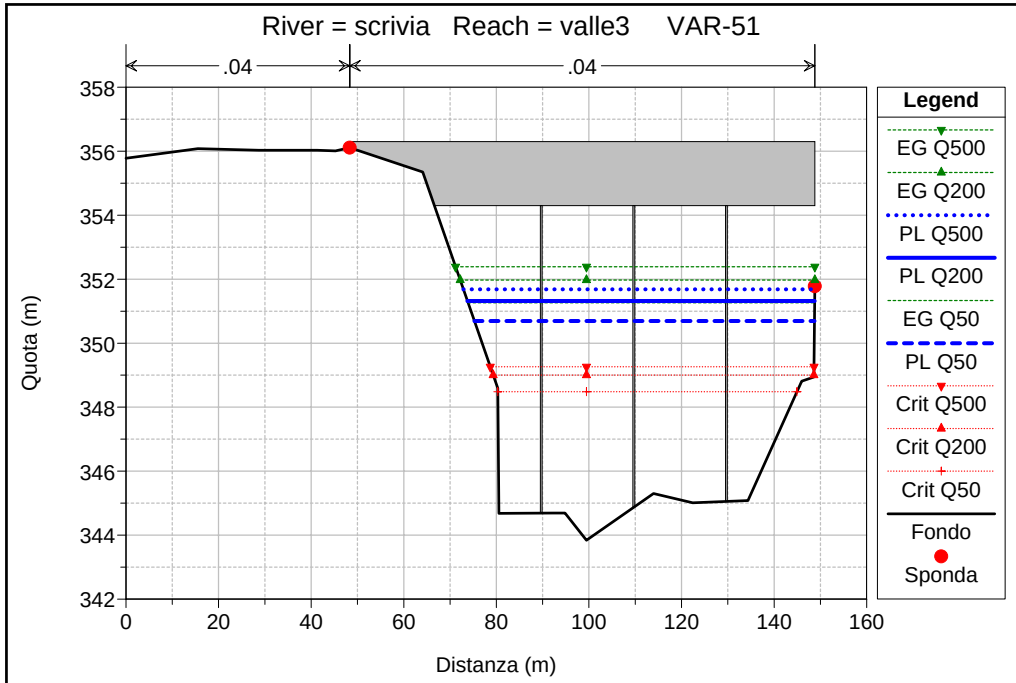

River = scrivia Reach = valle3 VAR-65
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

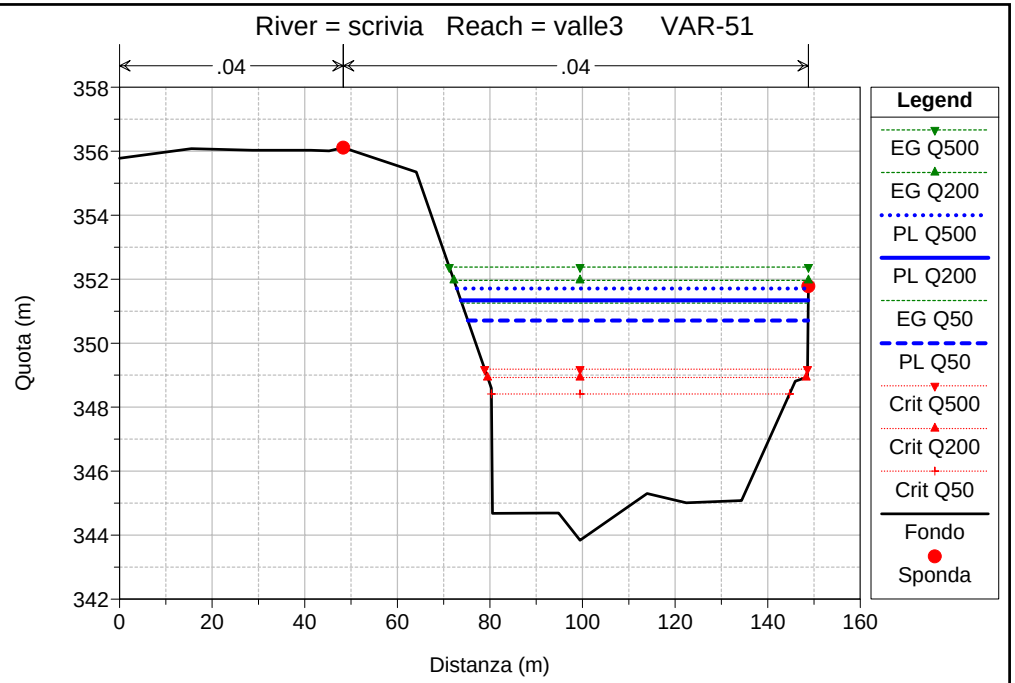

River = scrivia Reach = valle3 VAR-64
River = scrivia Reach = valle3 VAR-63
River = scrivia Reach = valle3 VAR-62
River = scrivia Reach = valle3 VAR-61
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

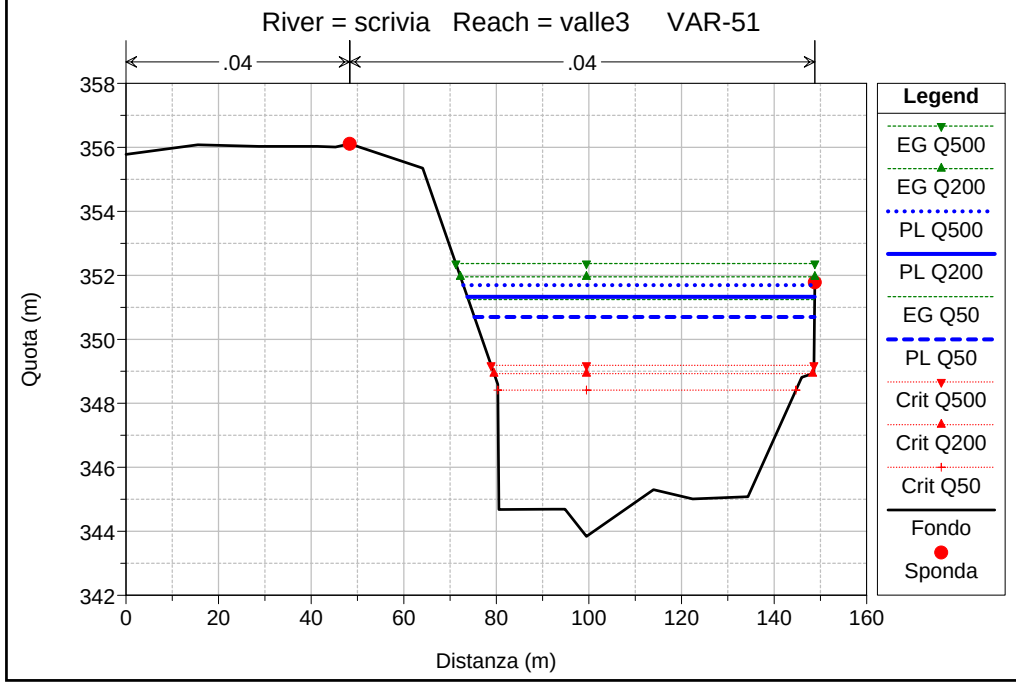

River = scrivia Reach = valle3 VAR-60
River = scrivia Reach = valle3 VAR-59
River = scrivia Reach = valle3 VAR-58
River = scrivia Reach = valle3 VAR-57
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

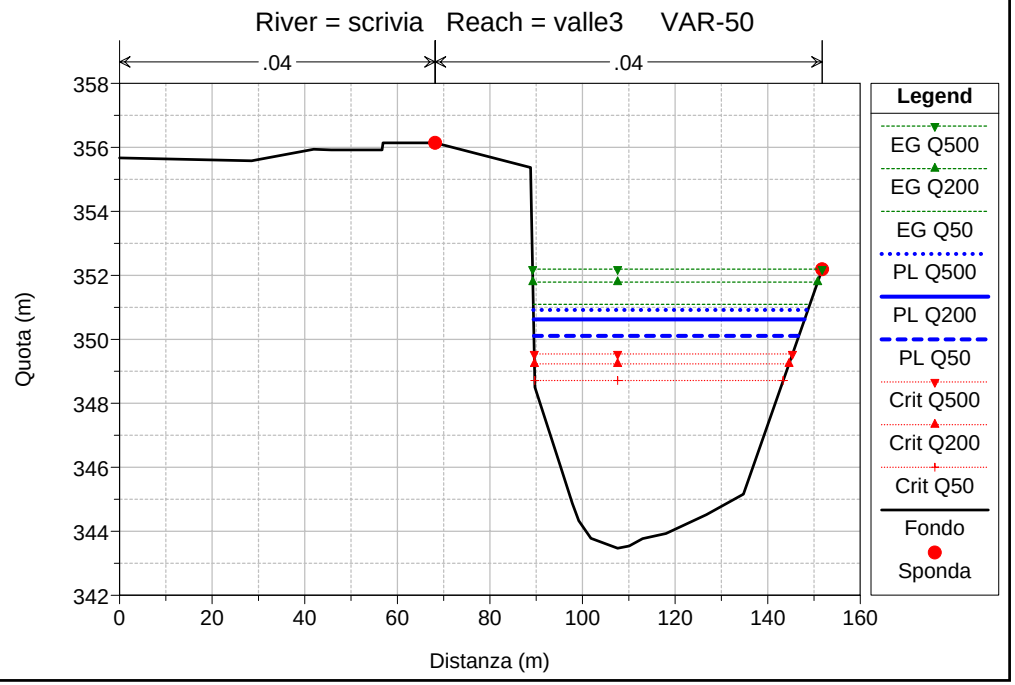

River = scrivia Reach = valle3 VAR-56
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-55
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-54
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-53
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

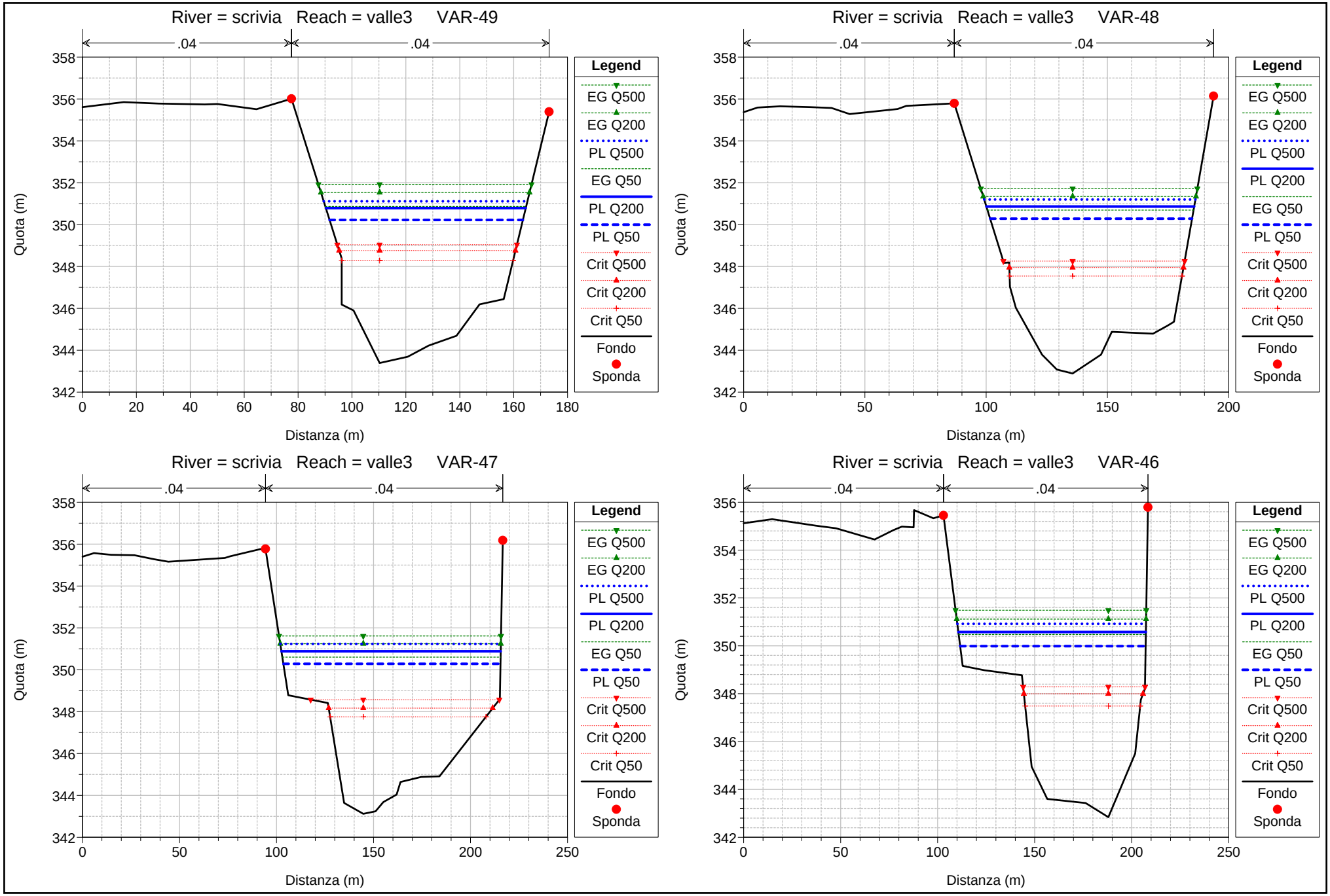

River = scrivia Reach = valle3 VAR-52
River = scrivia Reach = valle3 VAR-51
River = scrivia Reach = valle3 VAR-51
River = scrivia Reach = valle3 VAR-51
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

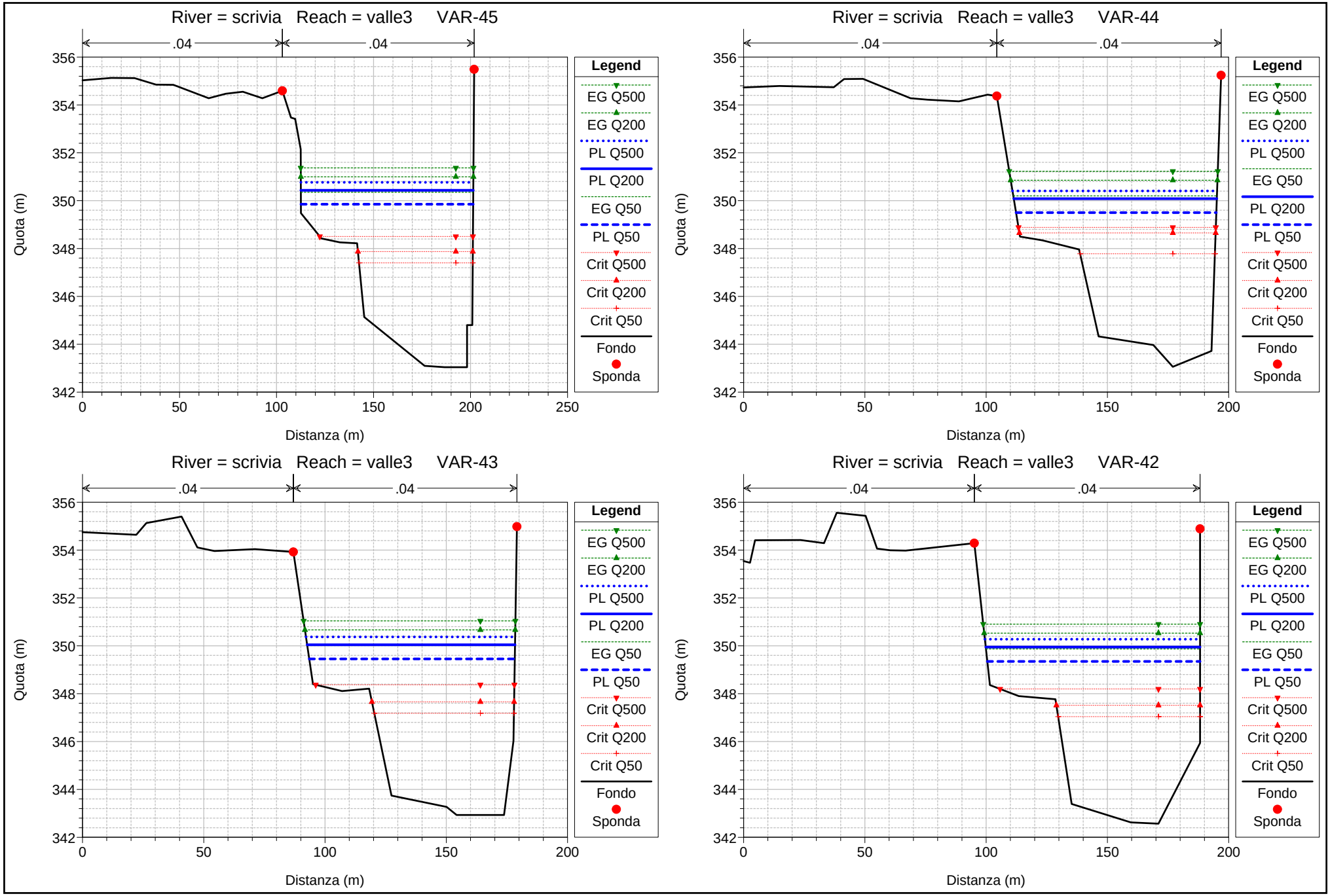

River = scrivia Reach = valle3 VAR-51
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

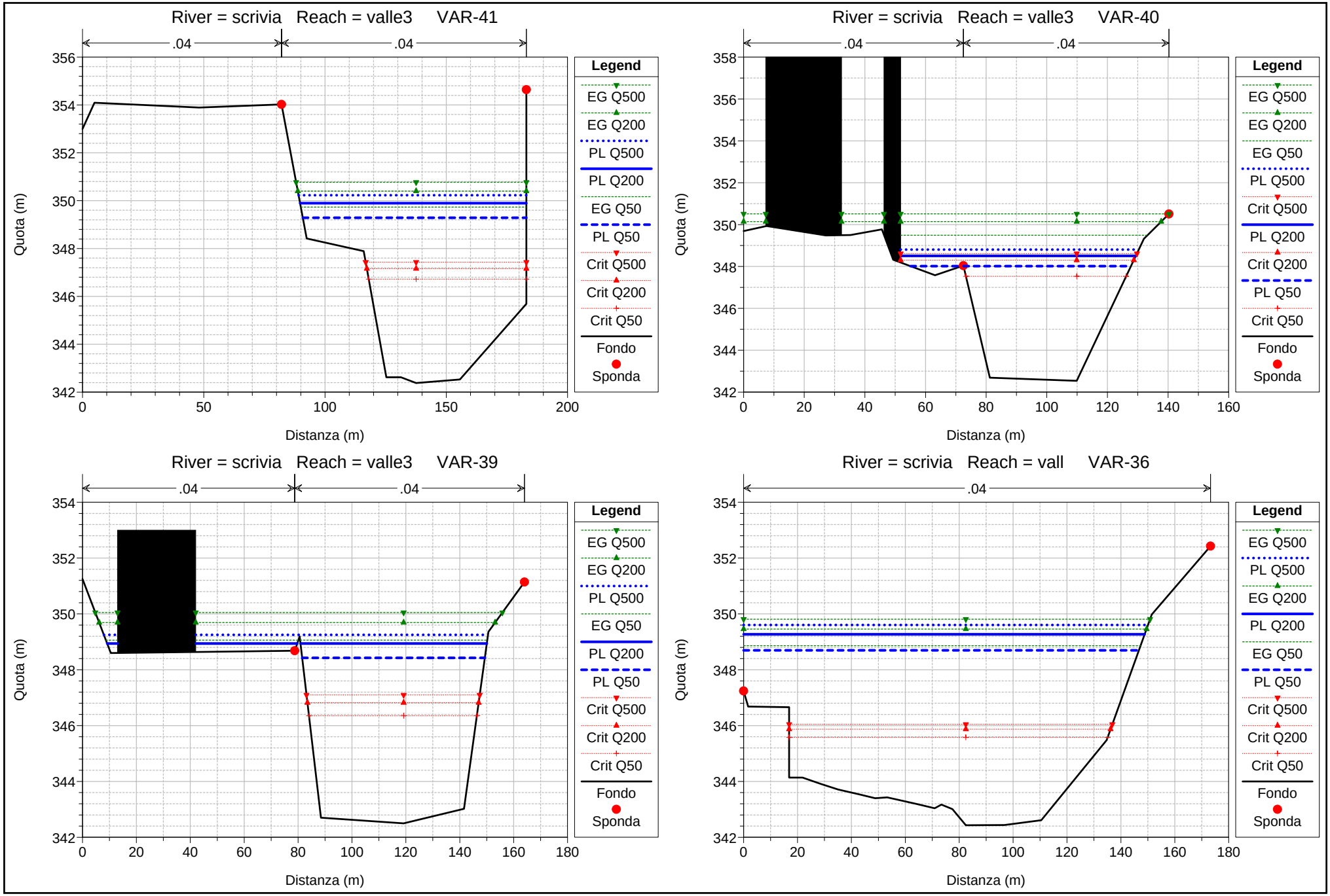

River = scrivia Reach = valle3 VAR-51
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

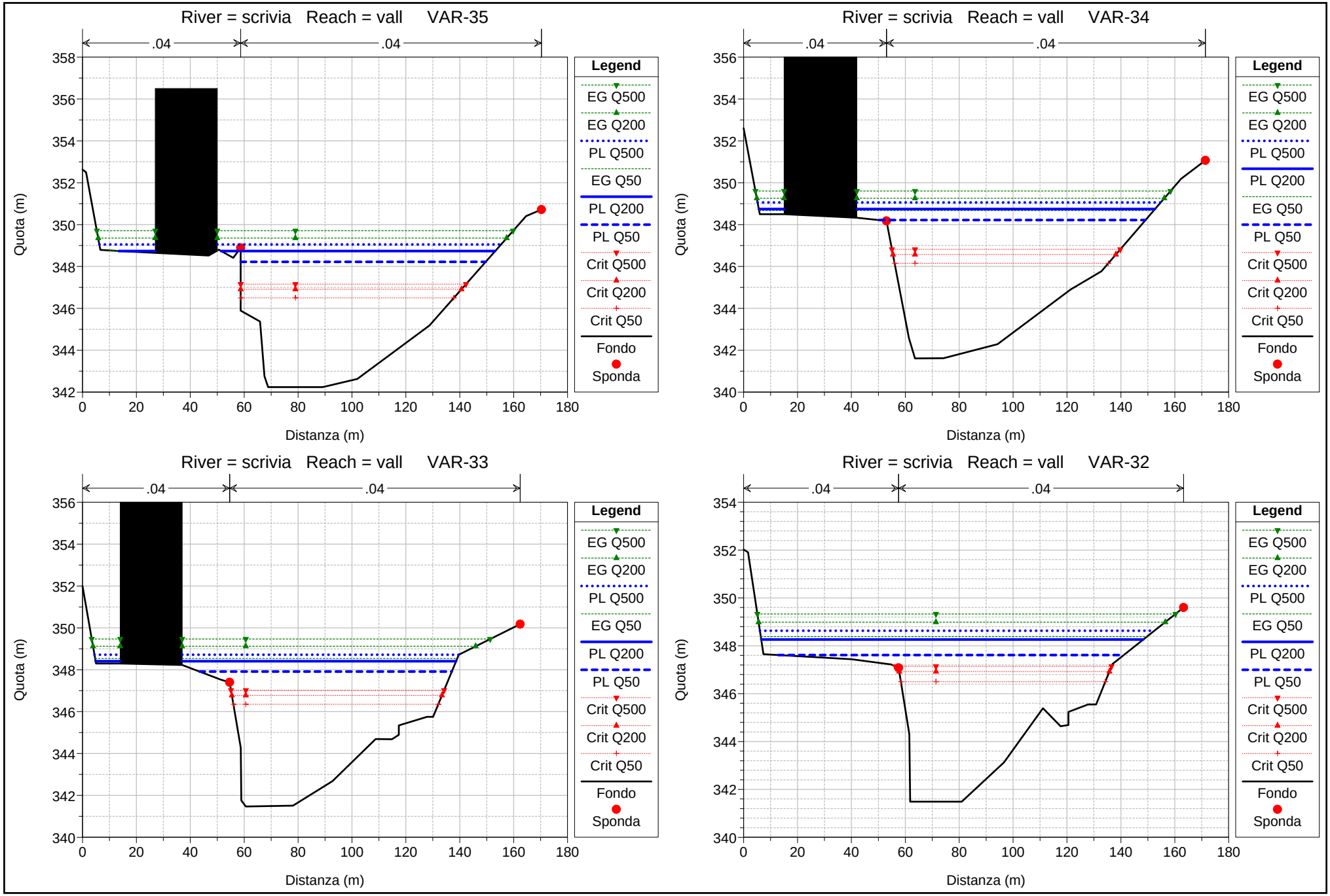

River = scrivia Reach = valle3 VAR-51
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

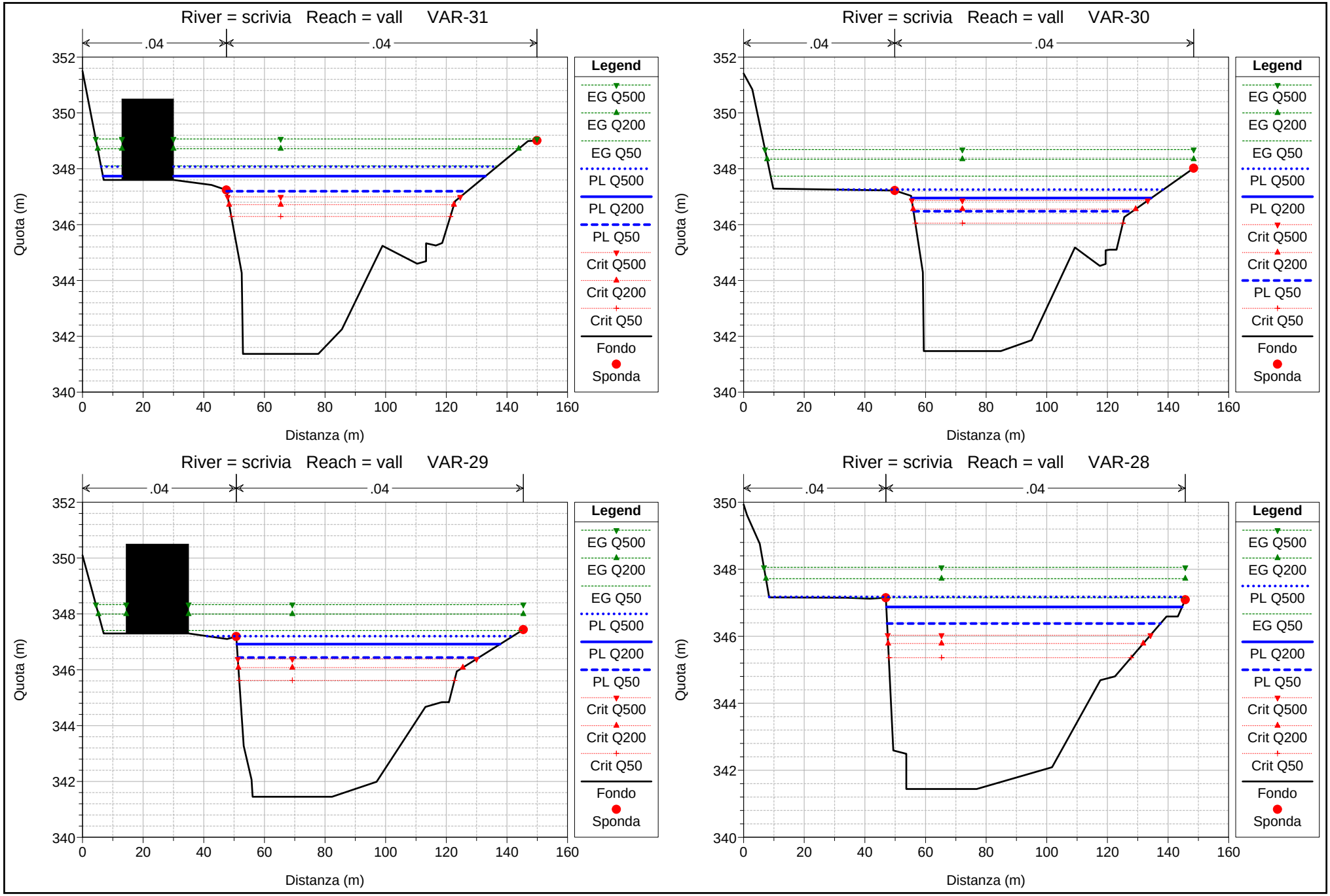

River = scrivia Reach = valle3 VAR-50
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

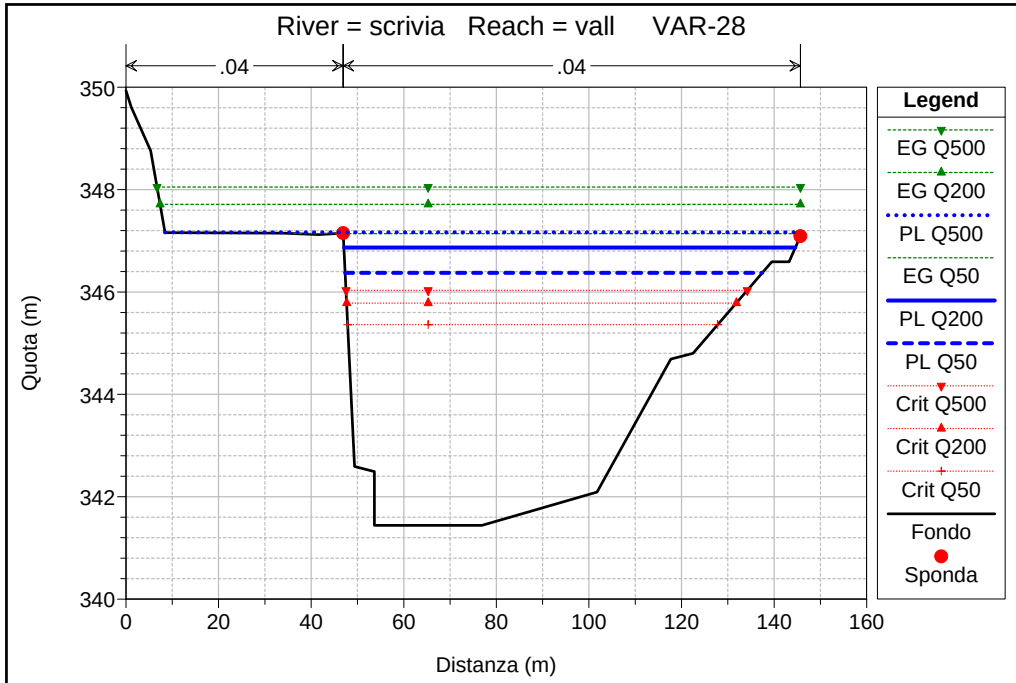

River = scrivia Reach = valle3 VAR-49
River = scrivia Reach = valle3 VAR-48
River = scrivia Reach = valle3 VAR-47
River = scrivia Reach = valle3 VAR-46
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

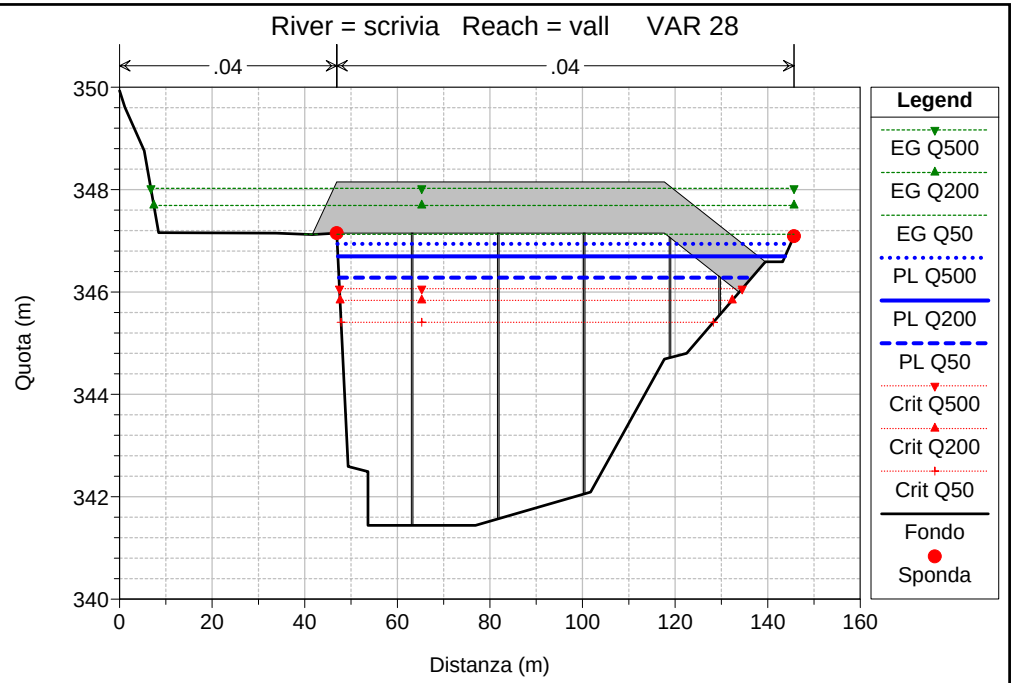

River = scrivia Reach = valle3 VAR-45
River = scrivia Reach = valle3 VAR-44
River = scrivia Reach = valle3 VAR-43
River = scrivia Reach = valle3 VAR-42
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

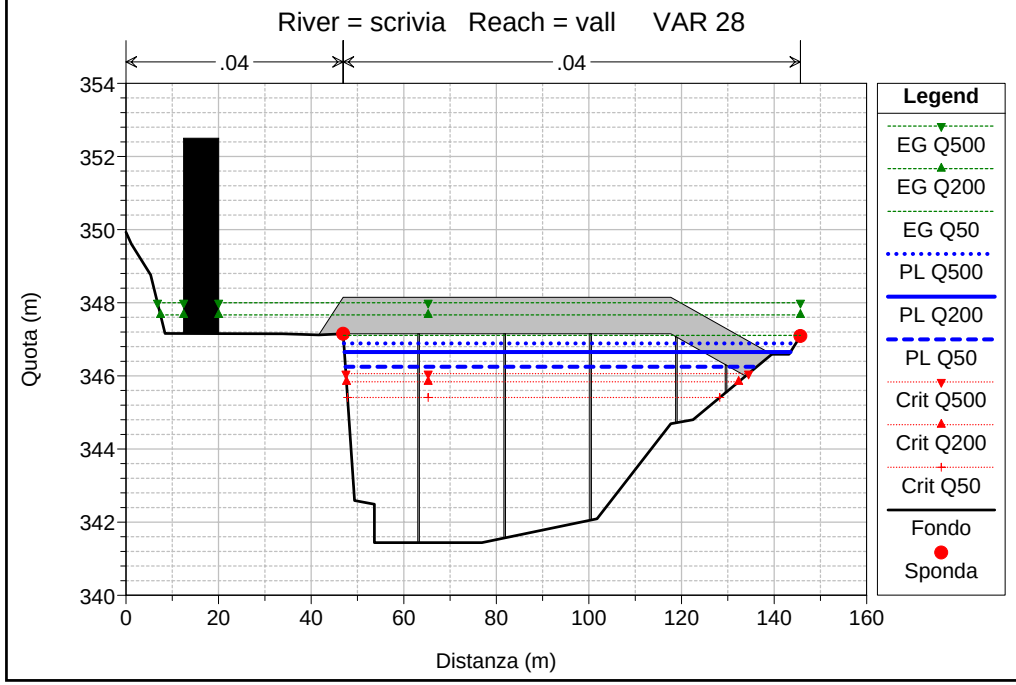

River = scrivia Reach = valle3 VAR-41
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-40
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
River = scrivia Reach = valle3 VAR-39
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-36
.04
Quota (m)
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

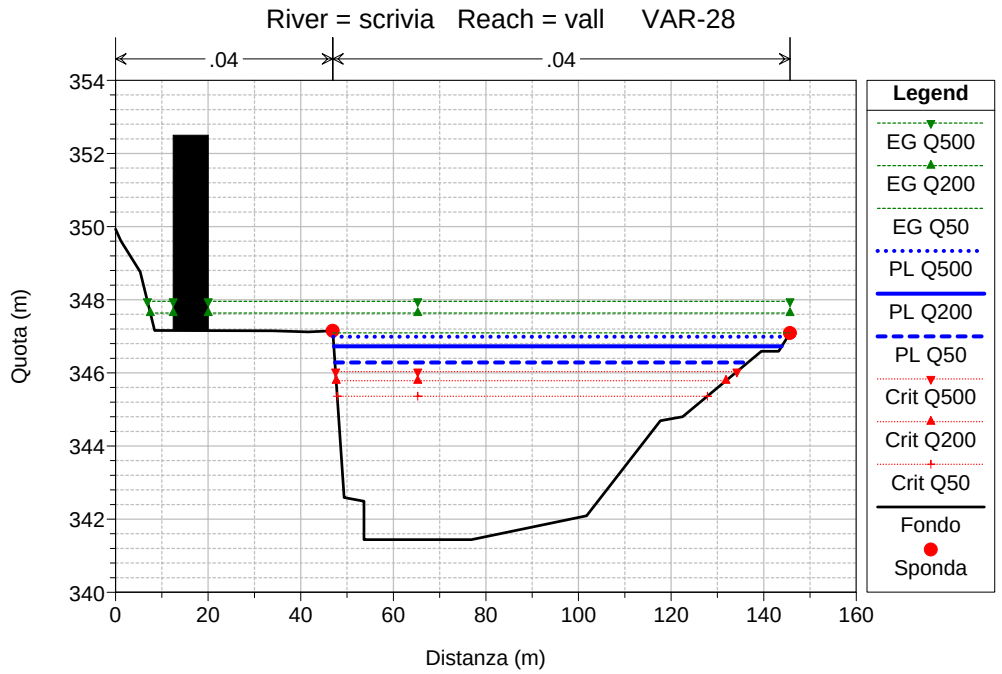

River = scrivia Reach = vall VAR-35
River = scrivia Reach = vall VAR-34
River = scrivia Reach = vall VAR-33
River = scrivia Reach = vall VAR-32
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

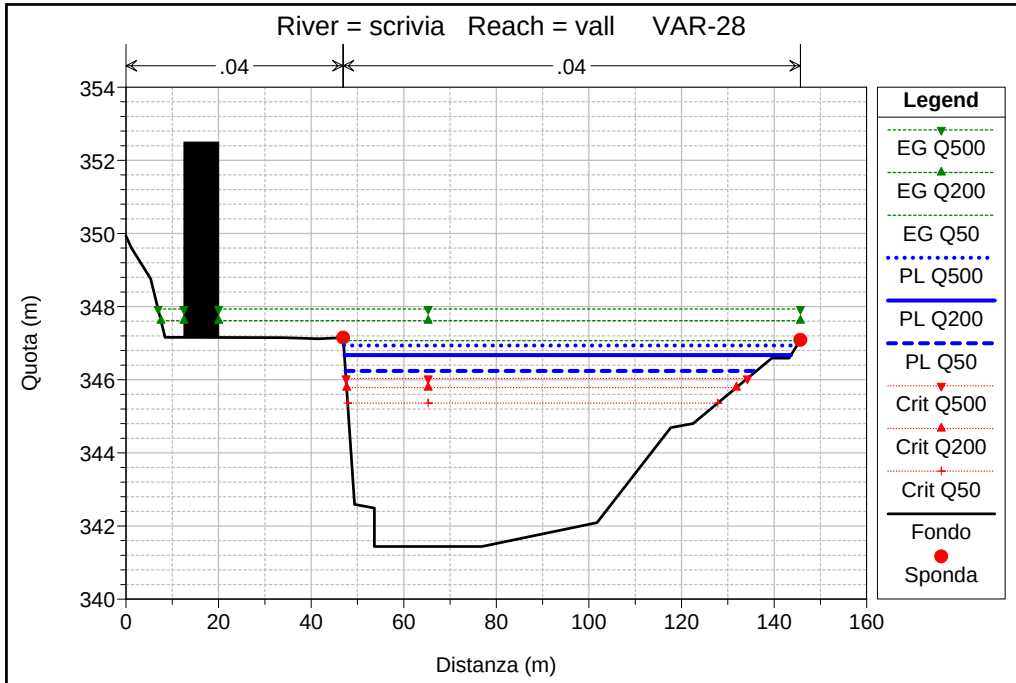

River = scrivia Reach = vall VAR-31
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-30
River = scrivia Reach = vall VAR-29
River = scrivia Reach = vall VAR-28

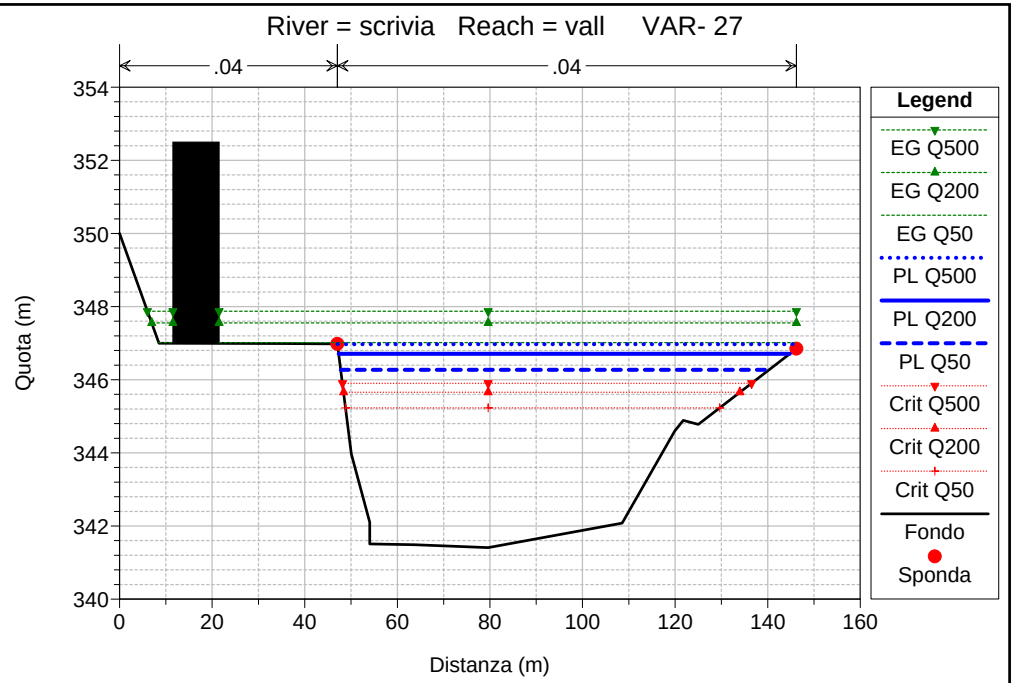

River = scrivia Reach = vall VAR-28
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

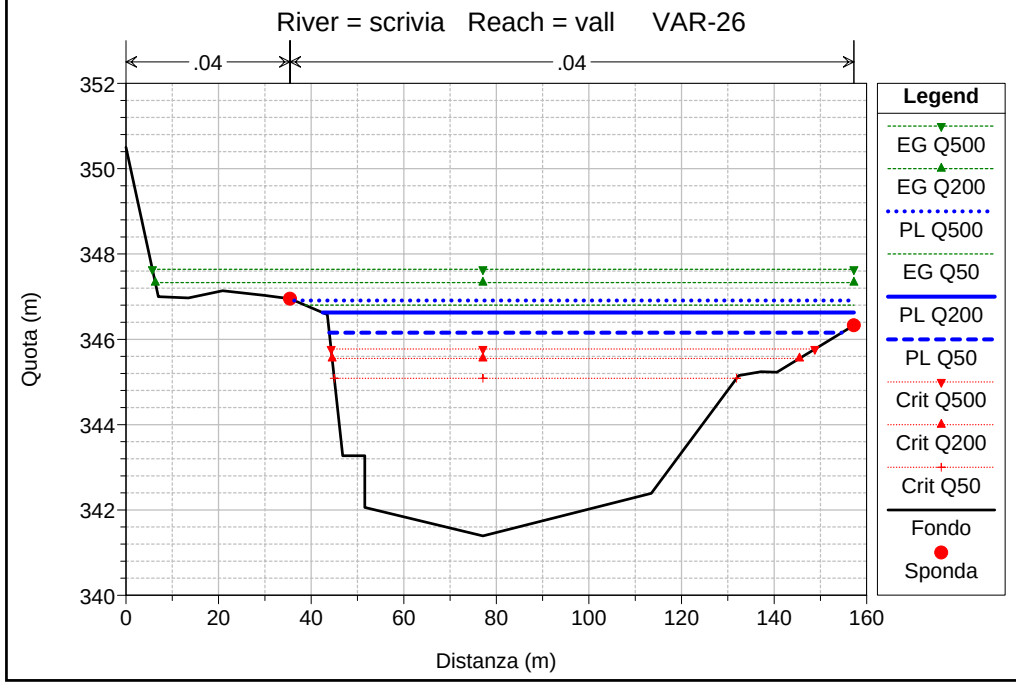

River = scrivia Reach = vall VAR 28
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

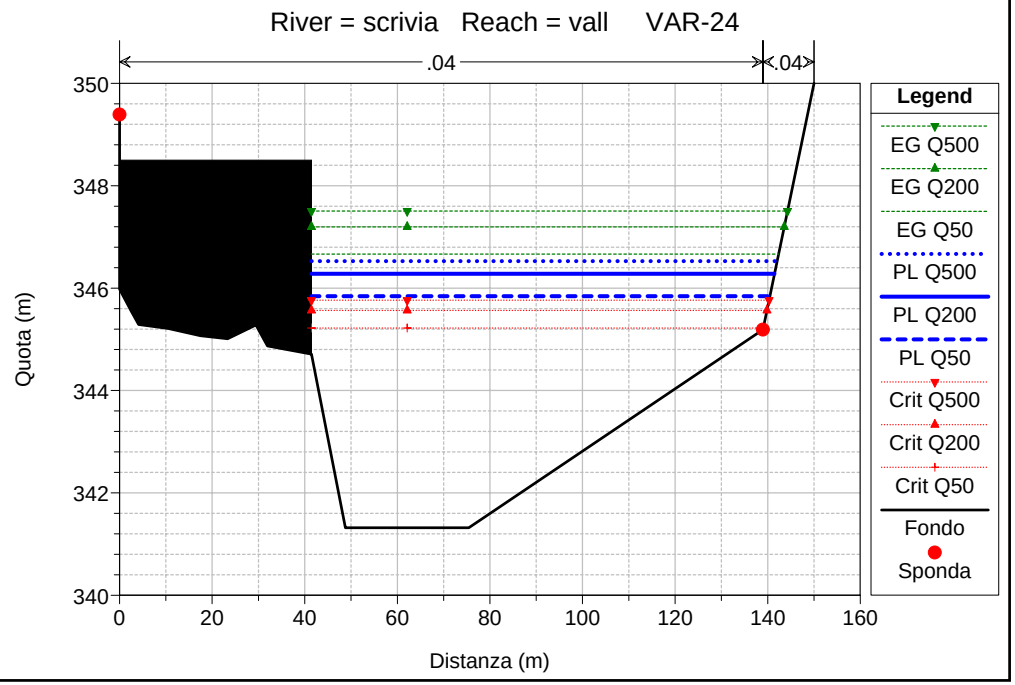

River = scrivia Reach = vall VAR 28
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

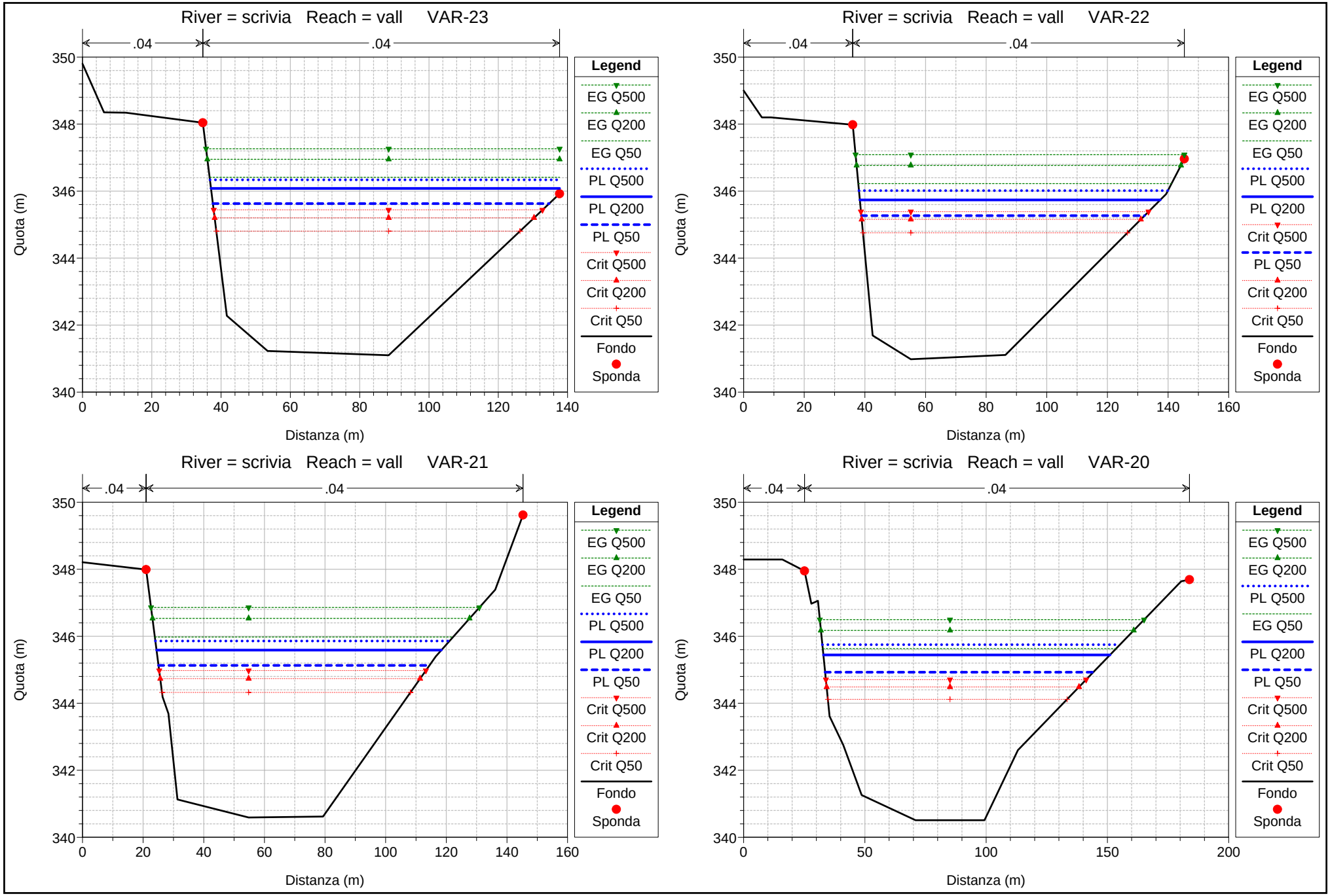

River = scrivia Reach = vall VAR-28
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

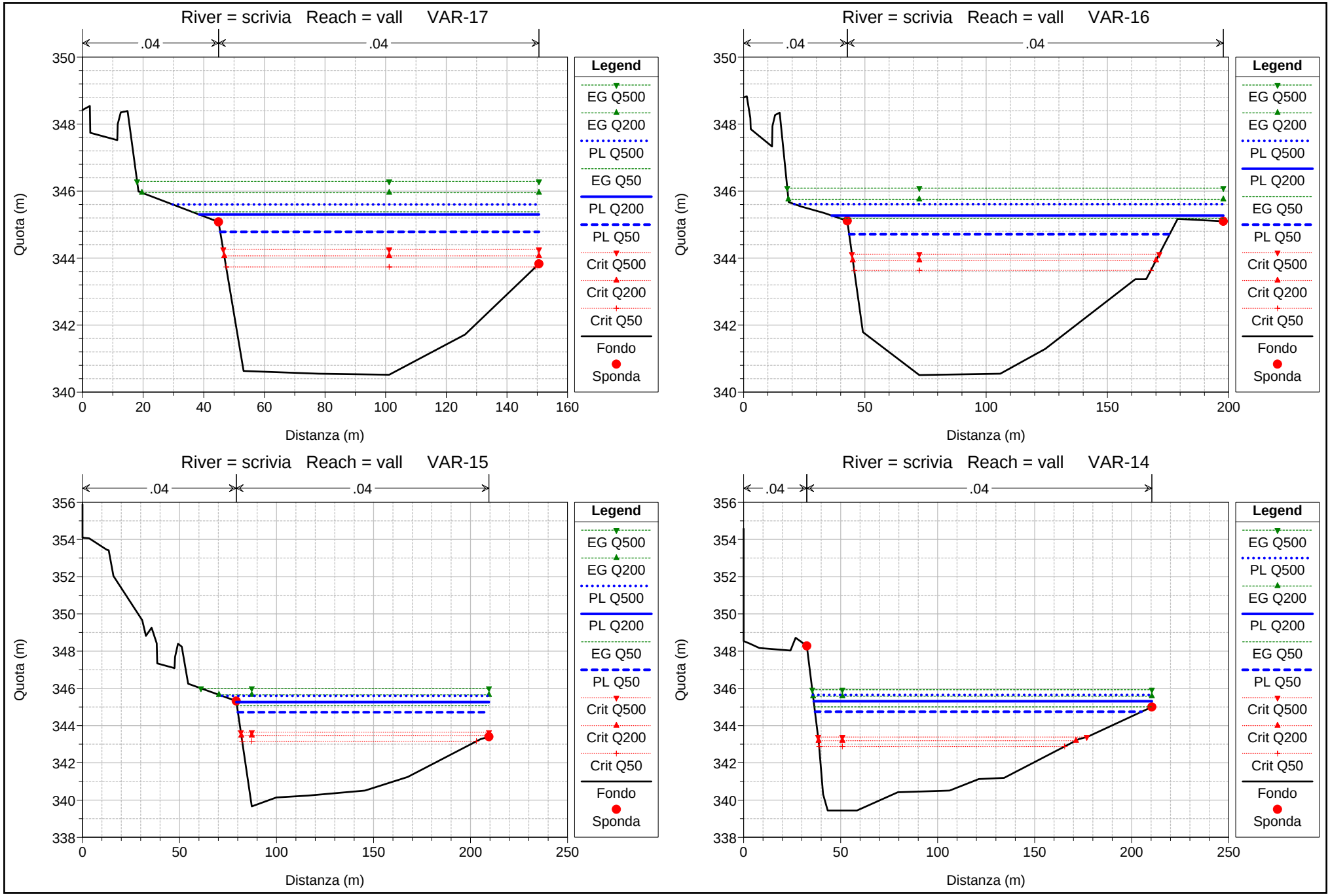

River = scrivia Reach = vall VAR-28
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

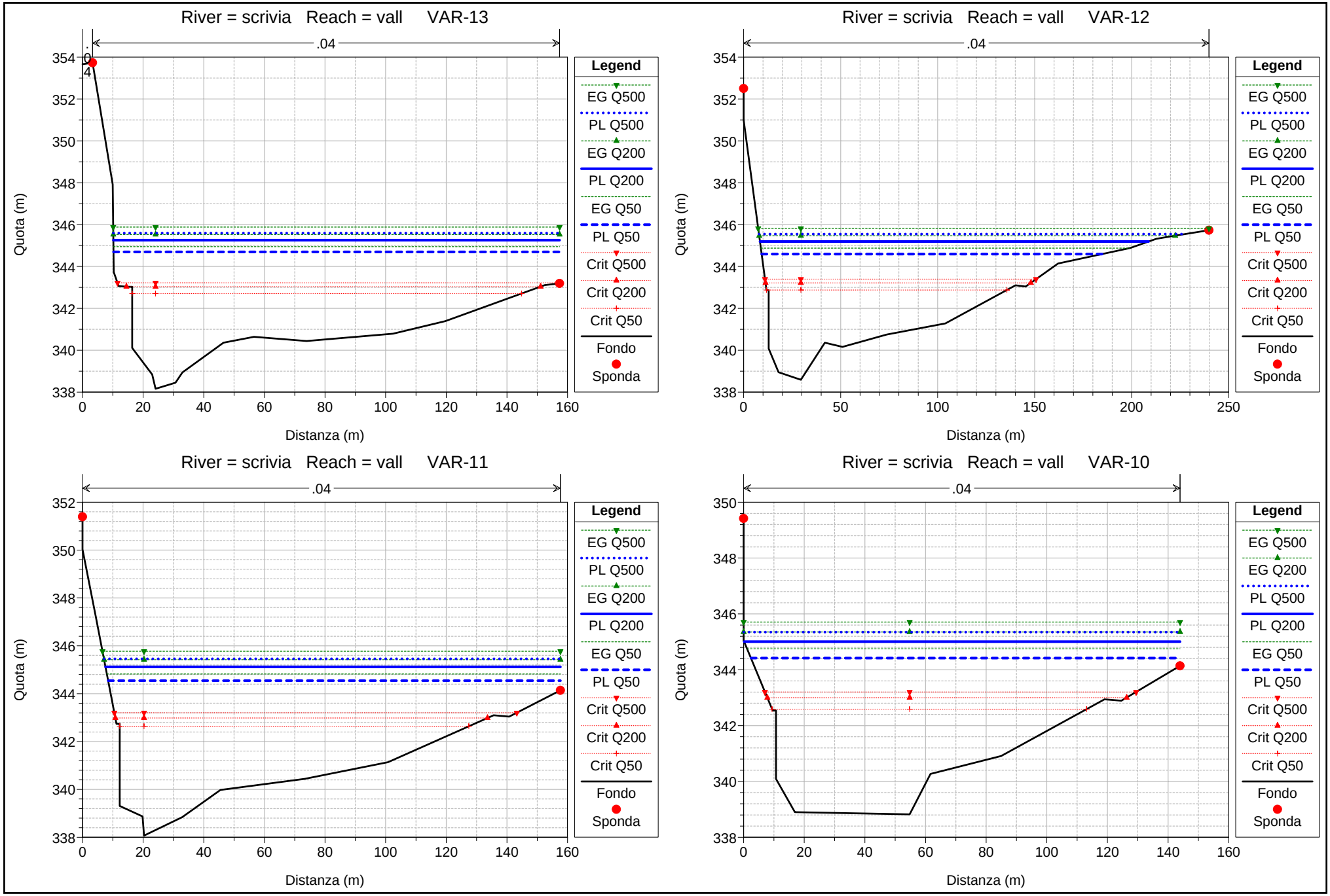

River = scrivia Reach = vall VAR- 27
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

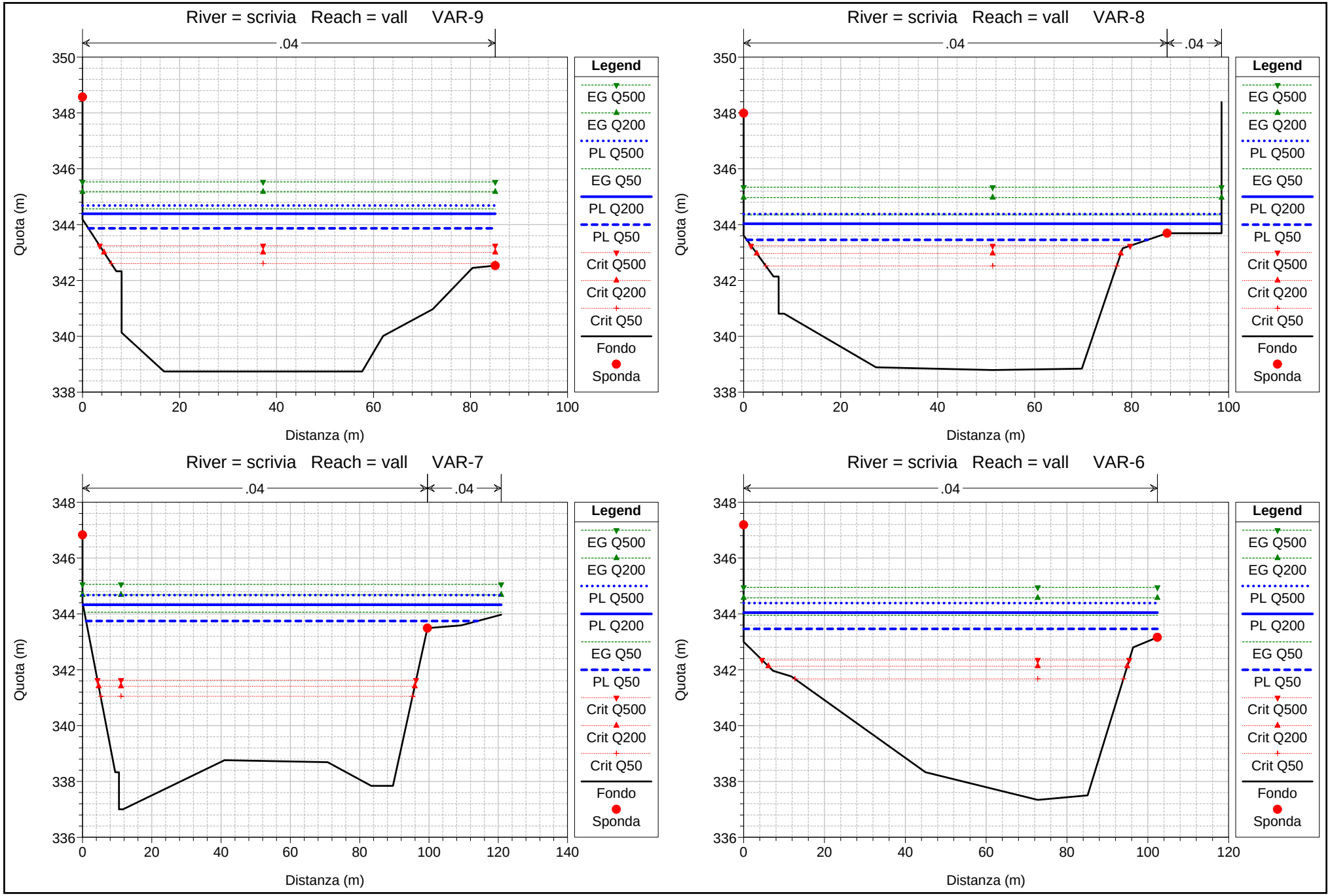

River = scrivia Reach = vall VAR-26
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

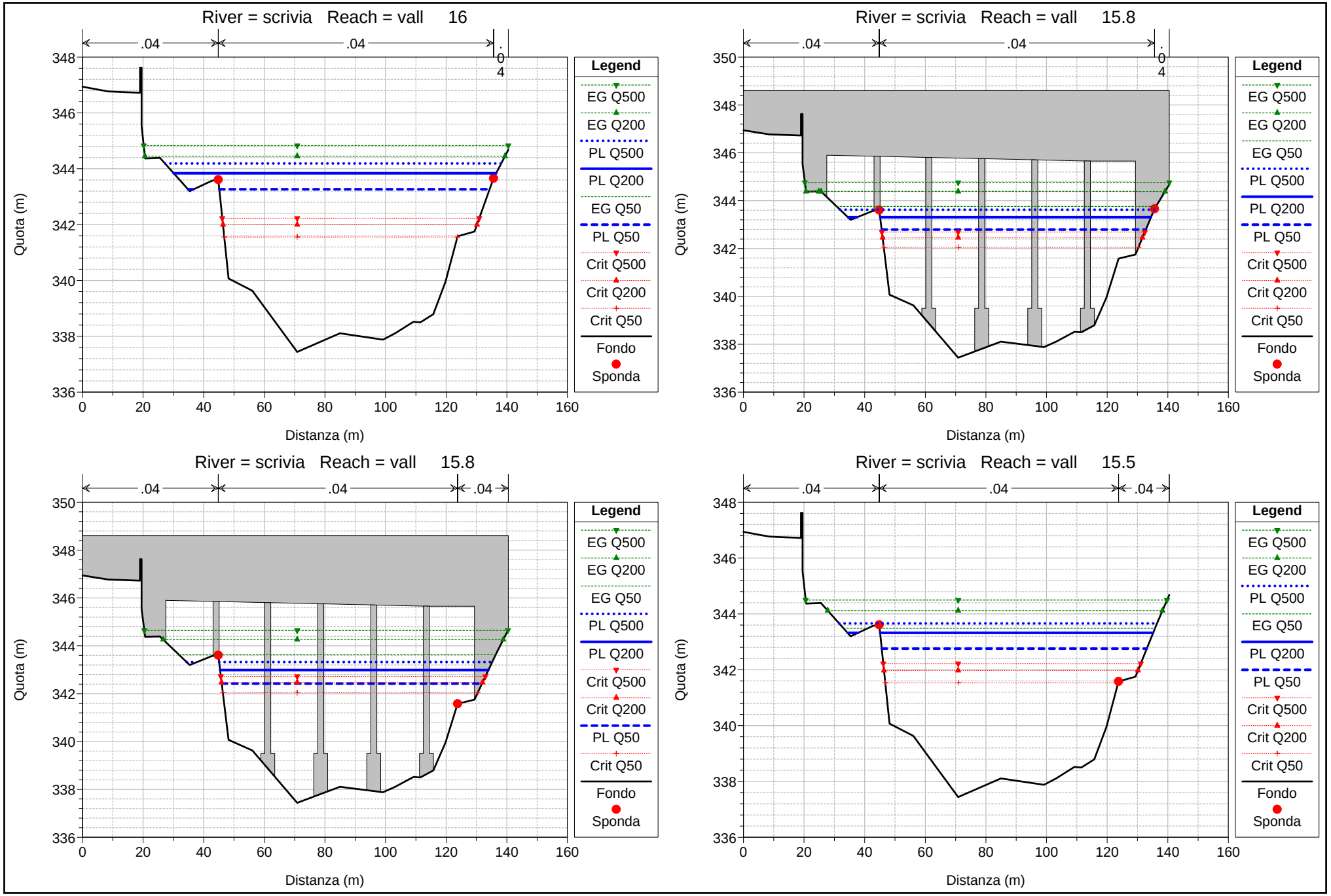

River = scrivia Reach = vall VAR-24
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

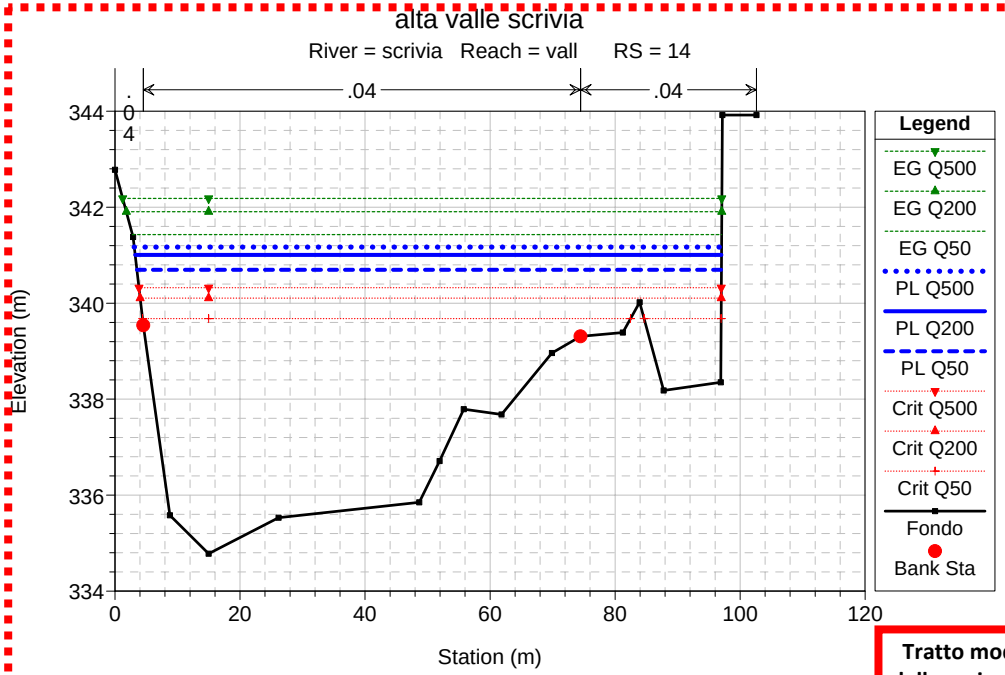

River = scrivia Reach = vall VAR-23
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-22
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-21
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-20
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

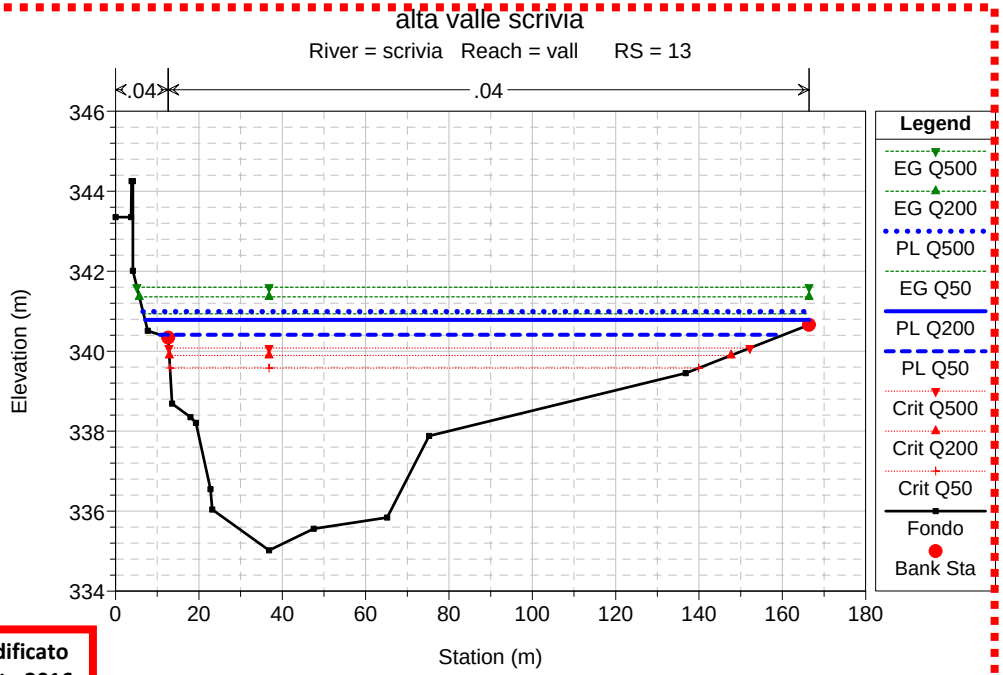

River = scrivia Reach = vall VAR-17
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-16
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-15
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-14
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda


River = scrivia Reach = vall VAR-13
.04
Quota (m)
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-12
.04
Quota (m)
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-11
.04
Quota (m)
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-10
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

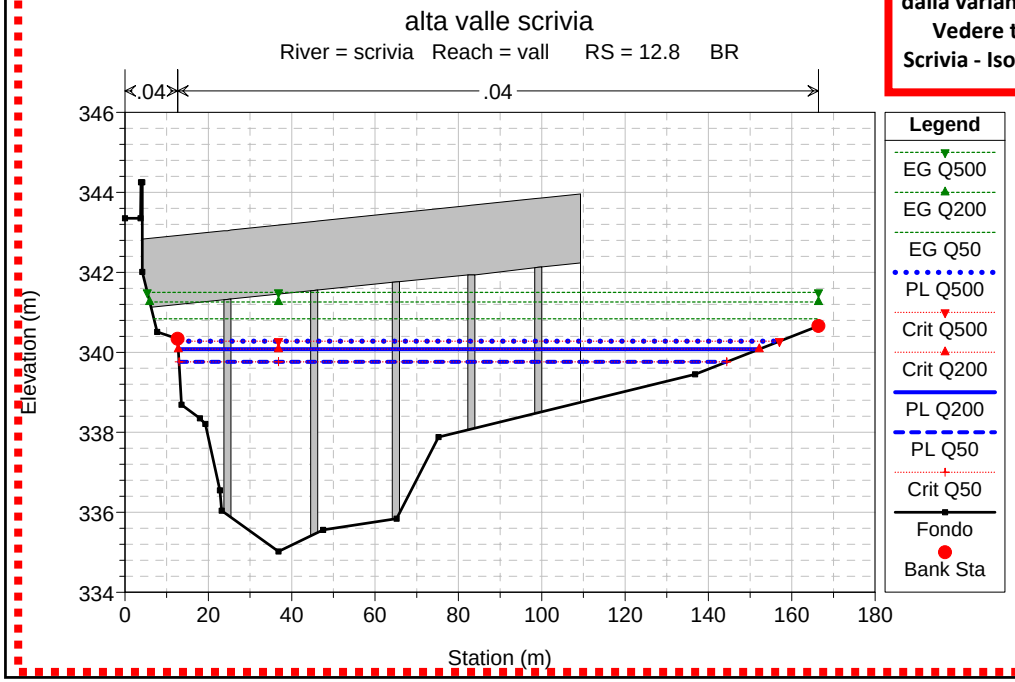

River = scrivia Reach = vall VAR-9
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-8
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-7
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
River = scrivia Reach = vall VAR-6
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

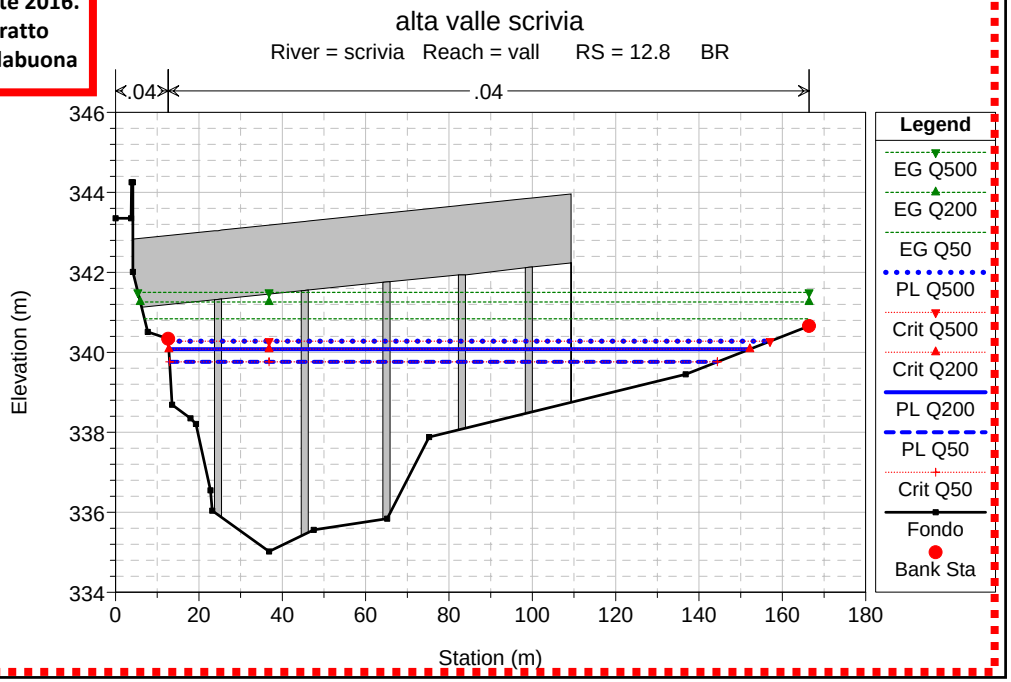

River = scrivia Reach = vall 16
River = scrivia Reach = vall 15.8
River = scrivia Reach = vall 15.8
River = scrivia Reach = vall 15.5
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

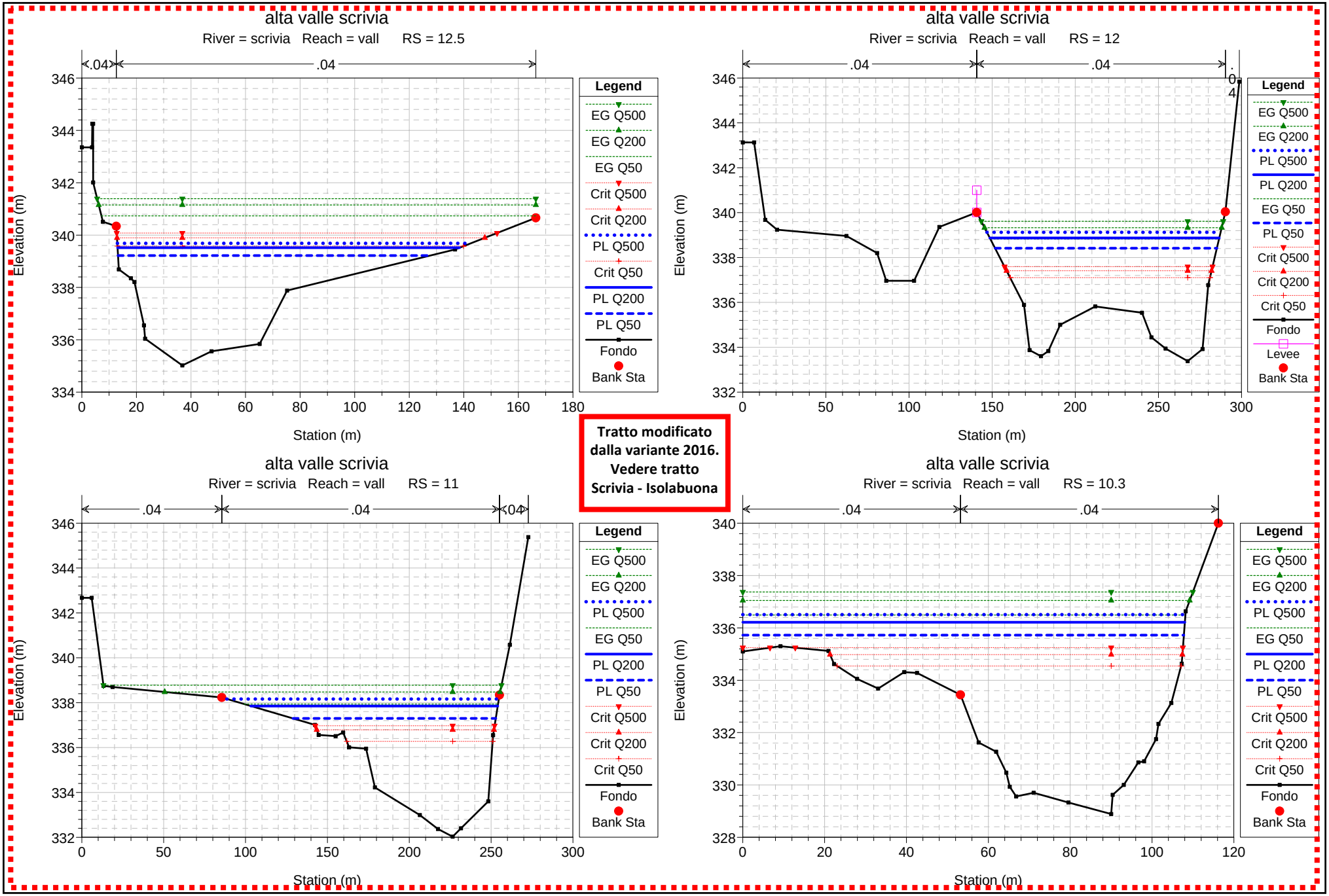


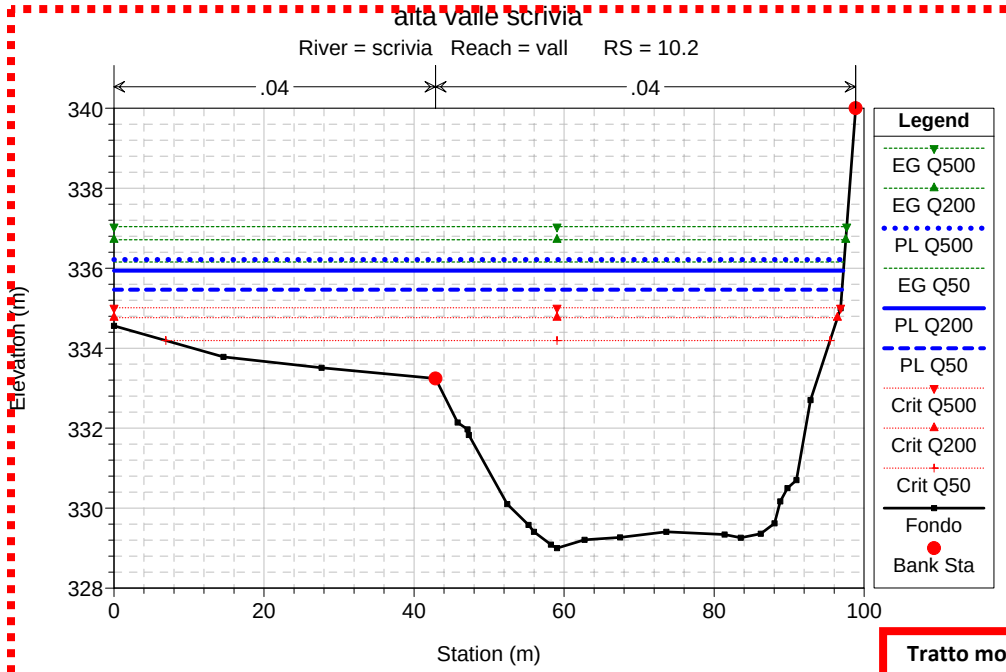


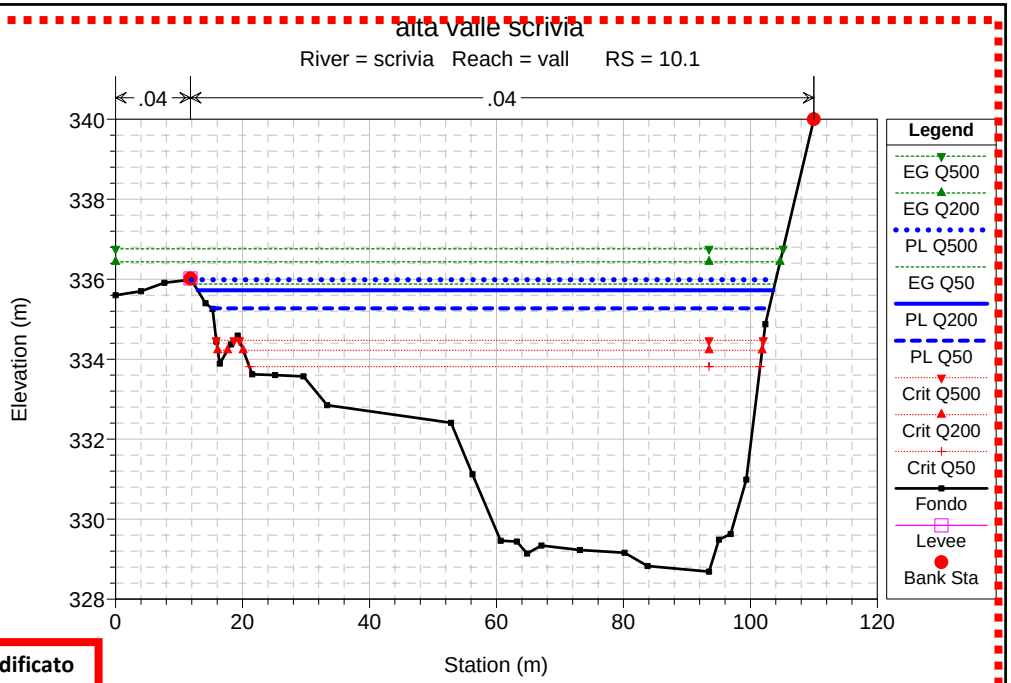
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Isolabuona



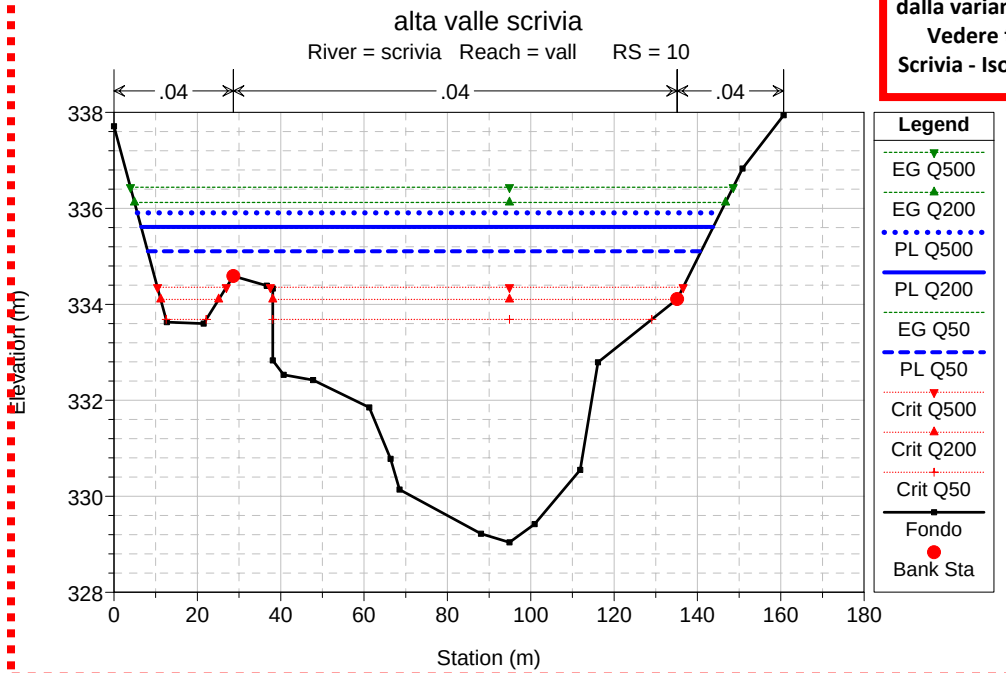


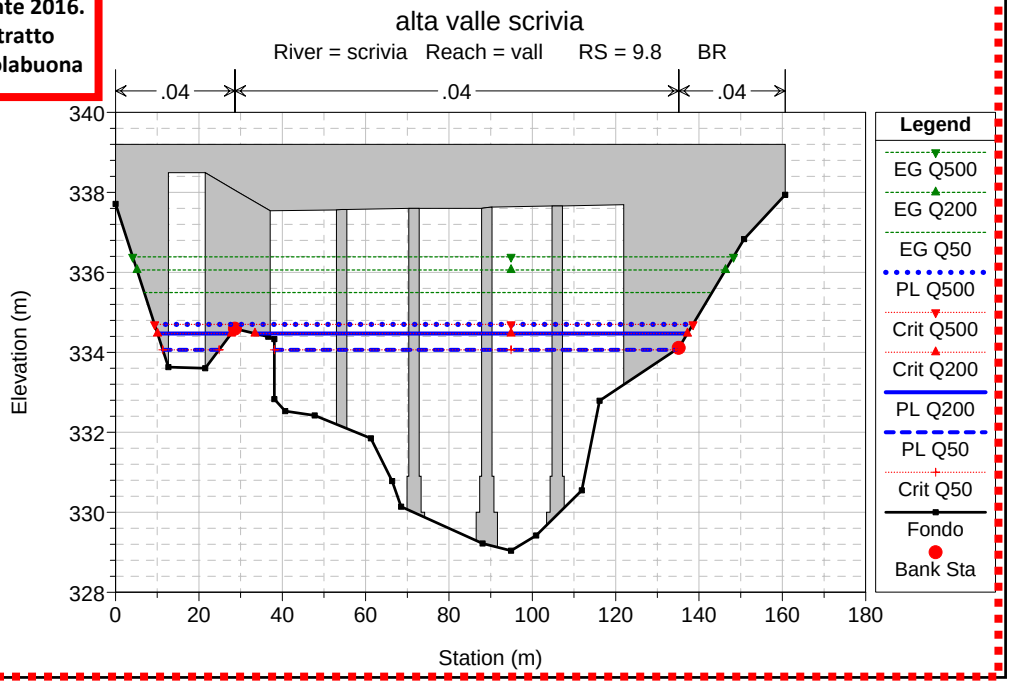

alta valle scrivia
River = scrivia Reach = vall RS = 12.5
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 12
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Isolabuona
alta valle scrivia
River = scrivia Reach = vall RS = 11
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 10.3
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

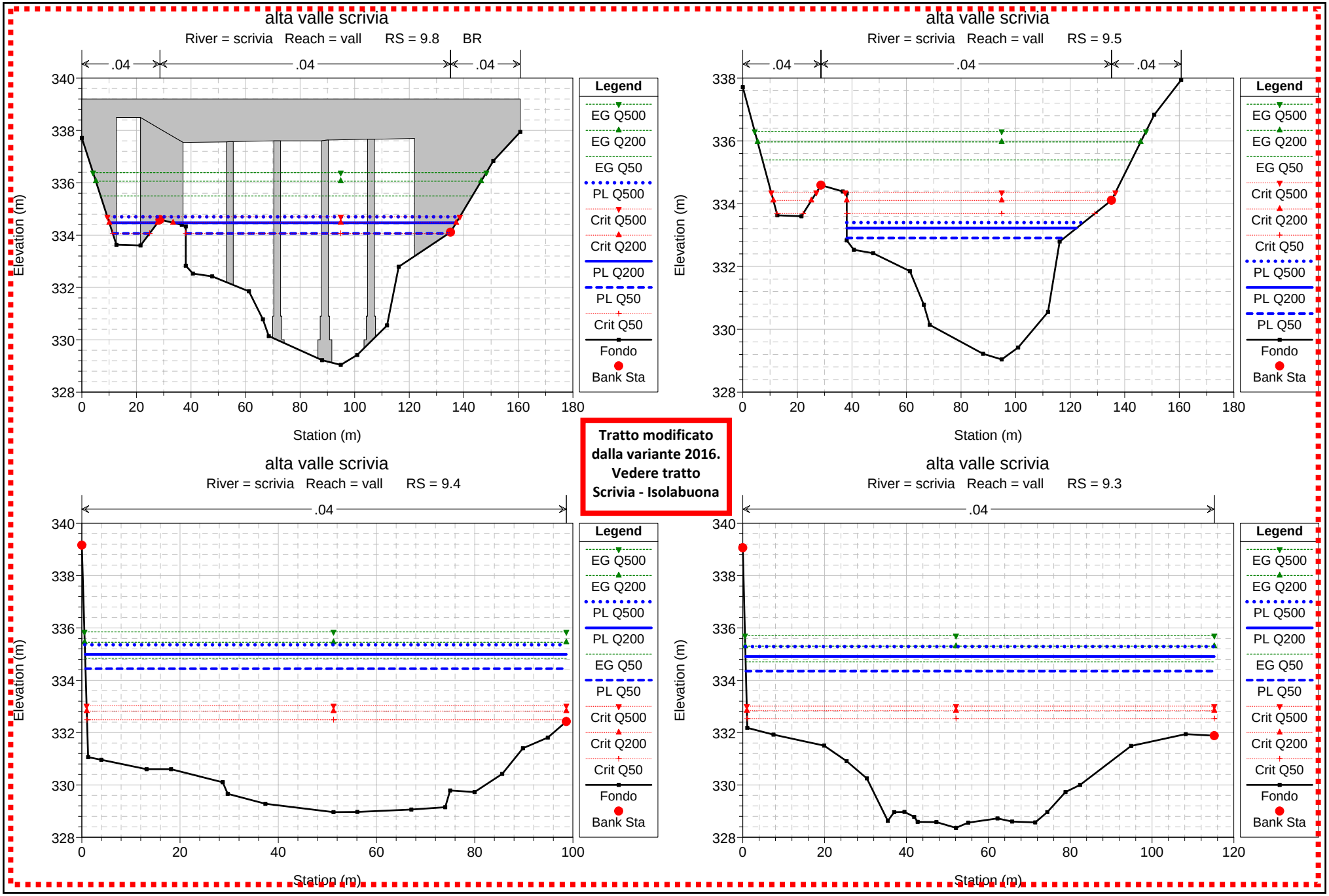


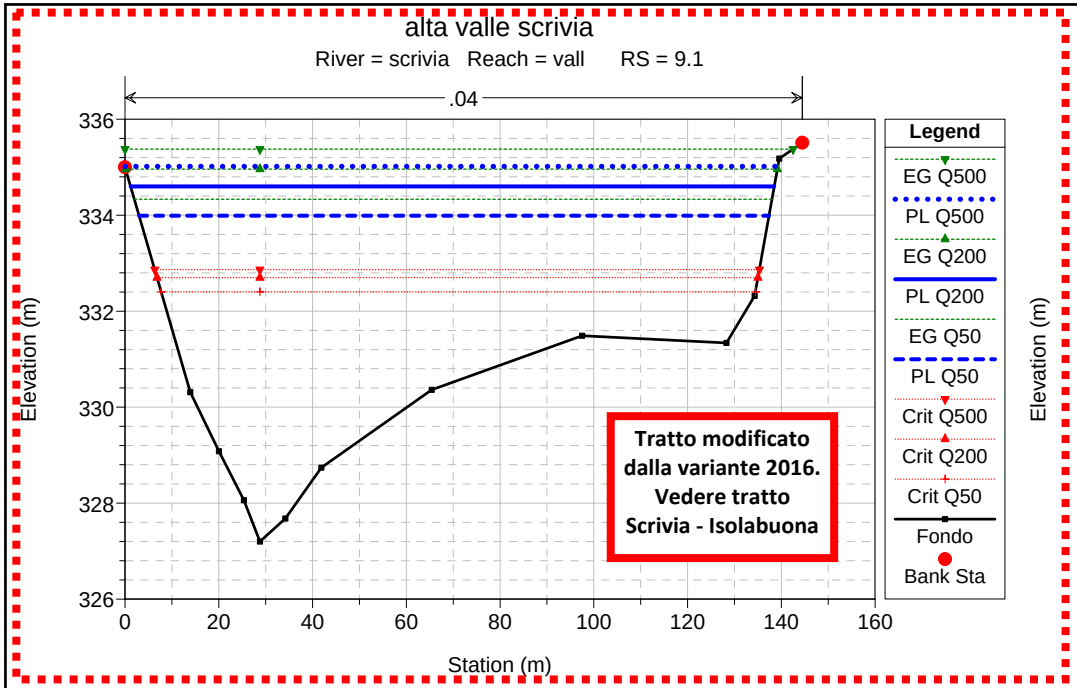


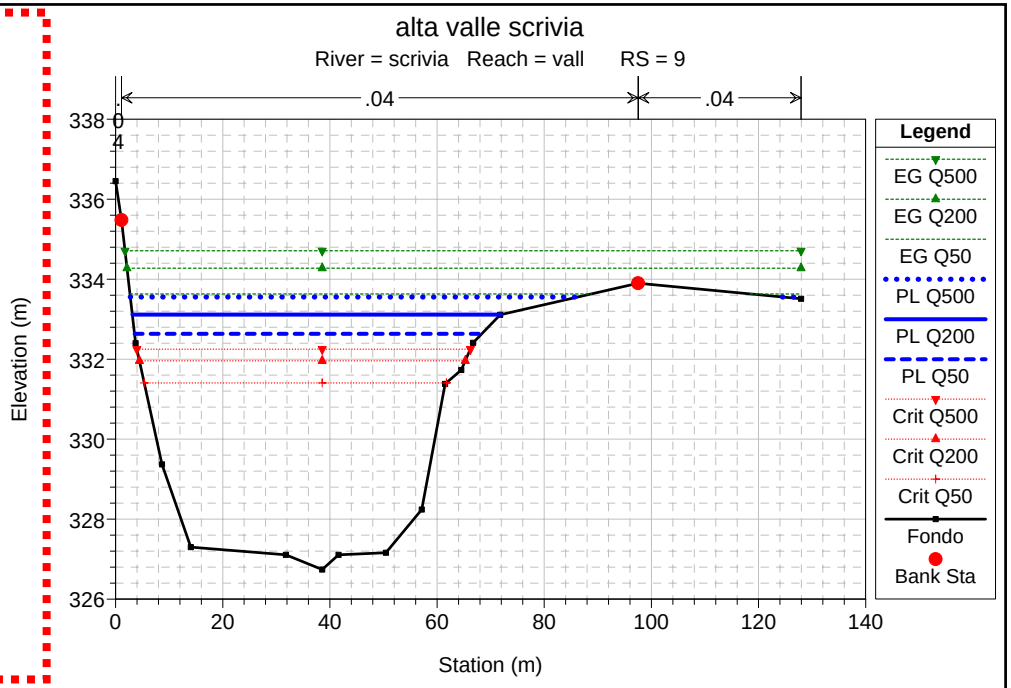
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Isolabuona

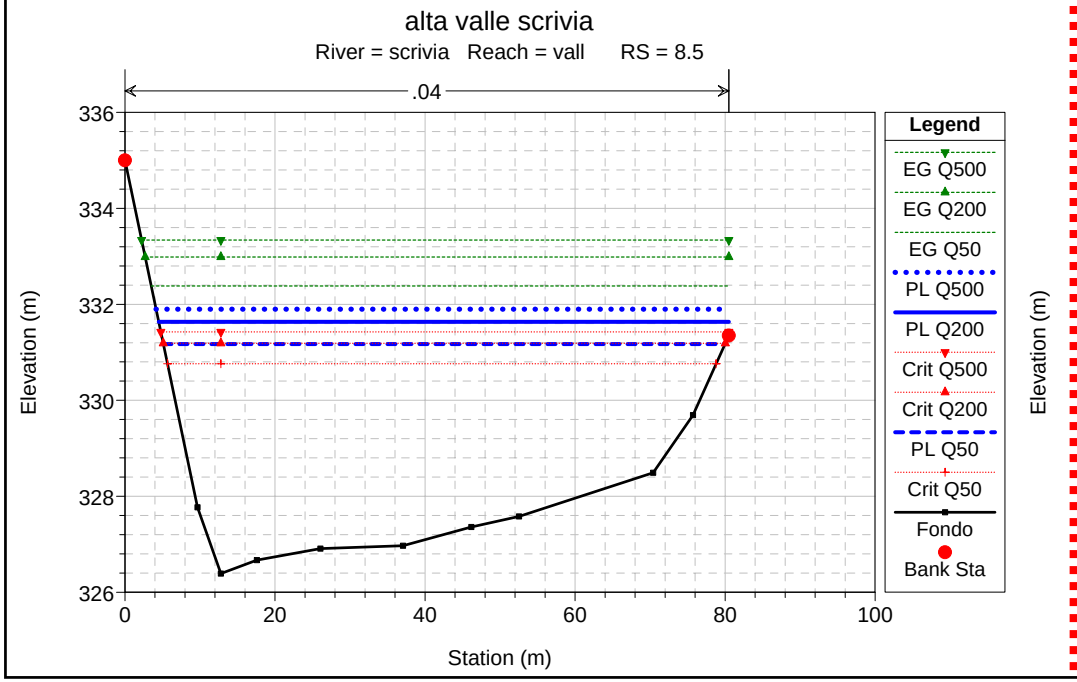


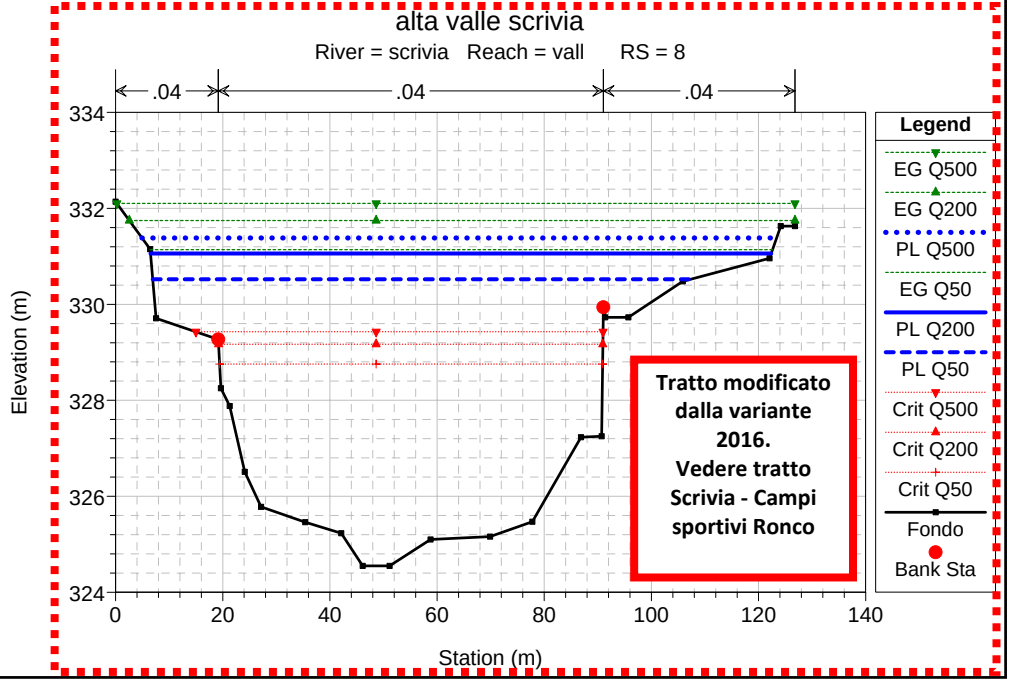


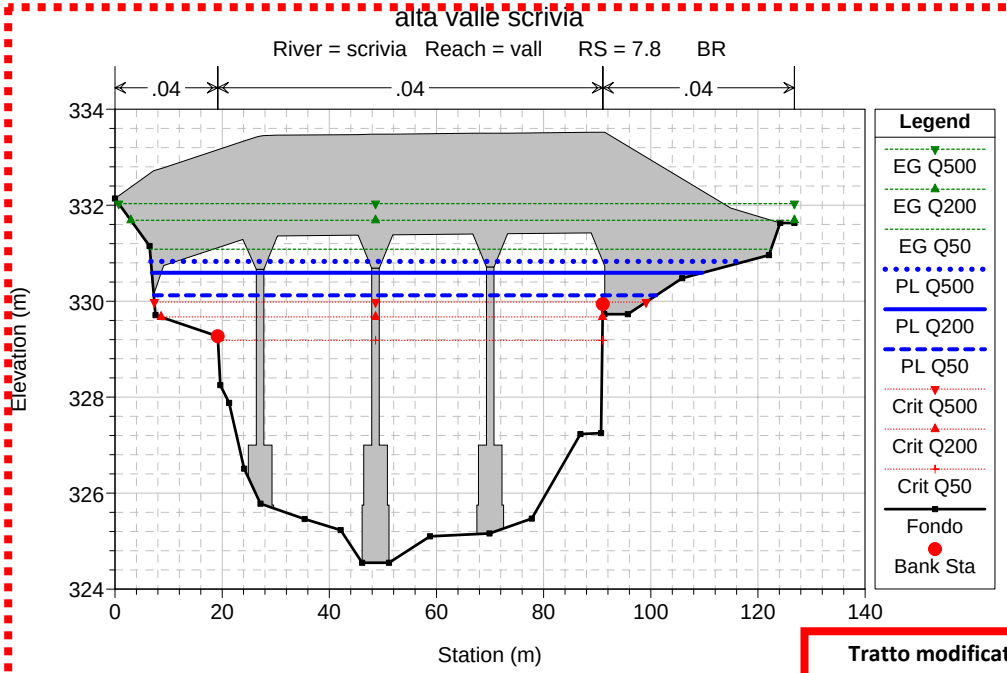

alta valle scrivia
River = scrivia Reach = vall RS = 9.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 9.5
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Isolabuona
alta valle scrivia
River = scrivia Reach = vall RS = 9.4
alta valle scrivia
River = scrivia Reach = vall RS = 9.3

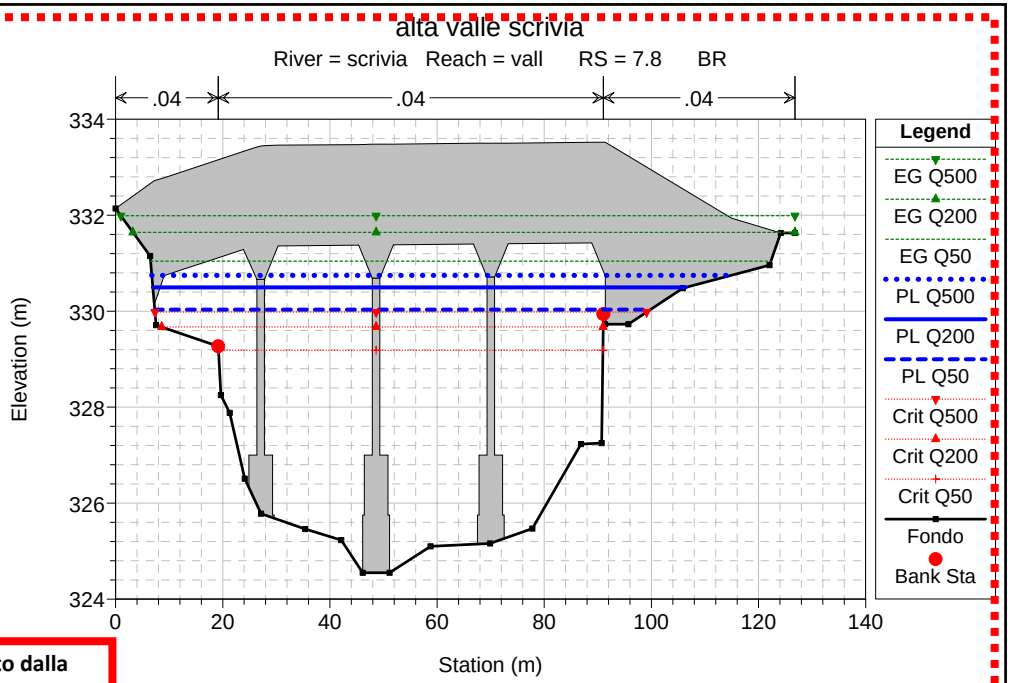

alta valle scrivia
River = scrivia Reach = vall RS = 9.1
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Isolabuona


alta valle scrivia
River = scrivia Reach = vall RS = 9
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

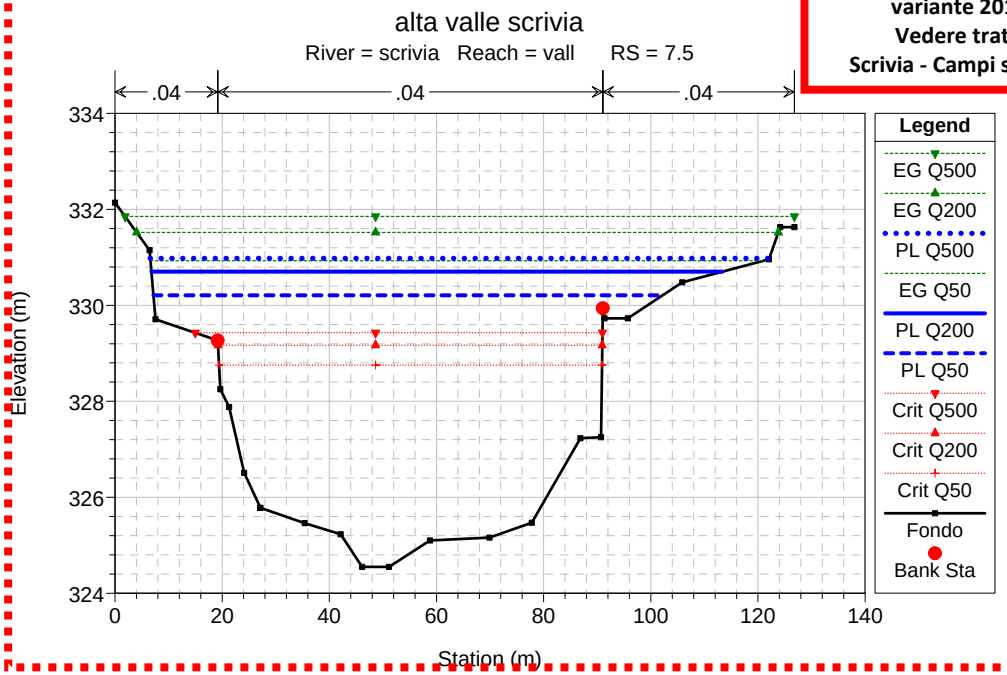

alta valle scrivia
River = scrivia Reach = vall RS = 8.5
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

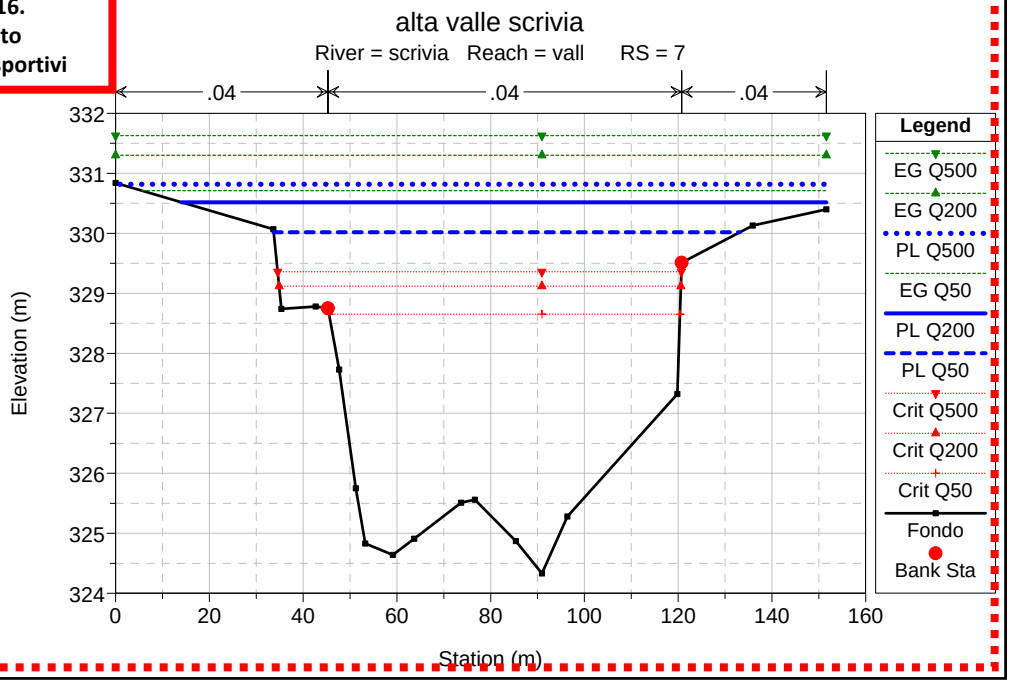

alta valle scrivia
River = scrivia Reach = vall RS = 8
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Campi sportivi Ronco

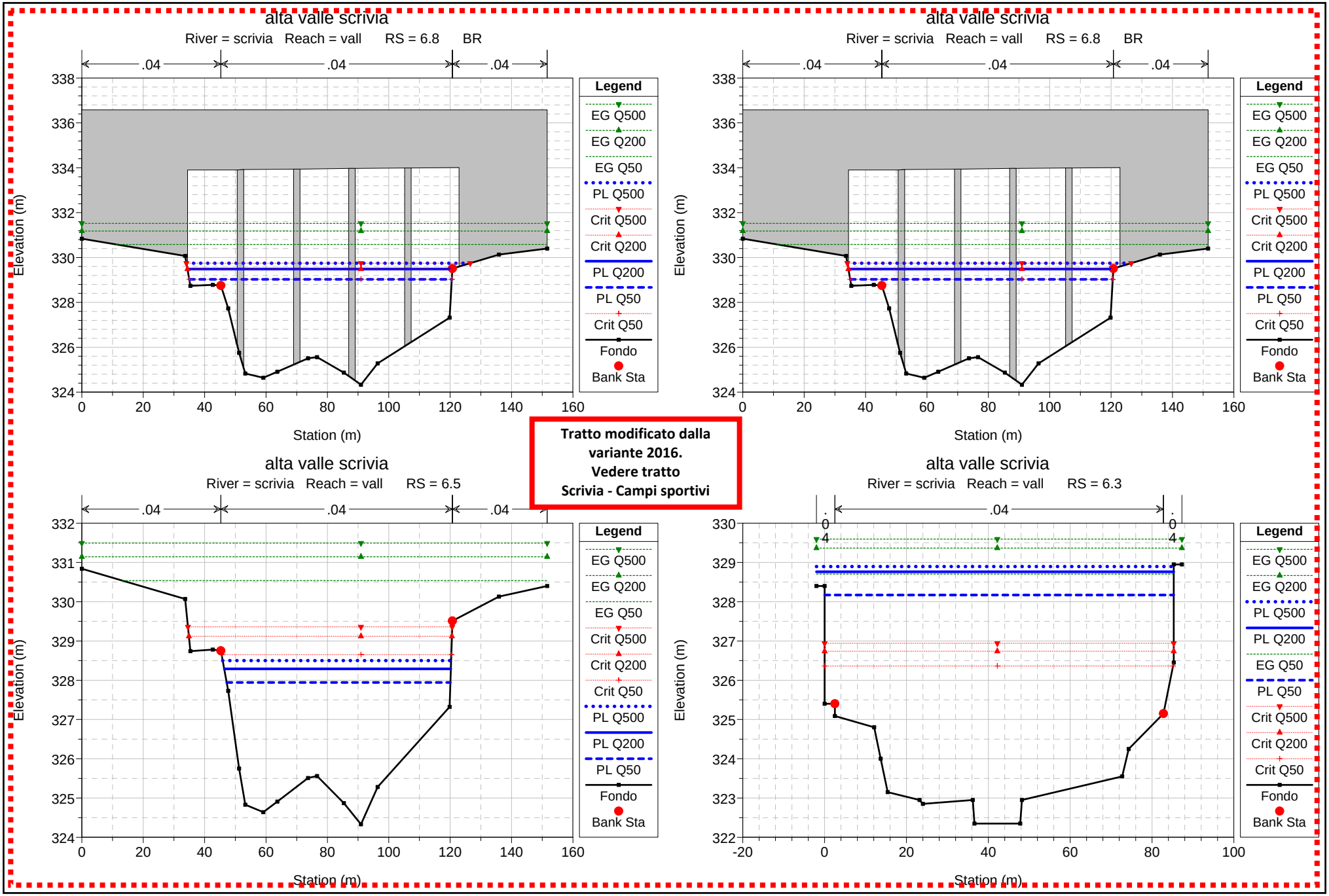


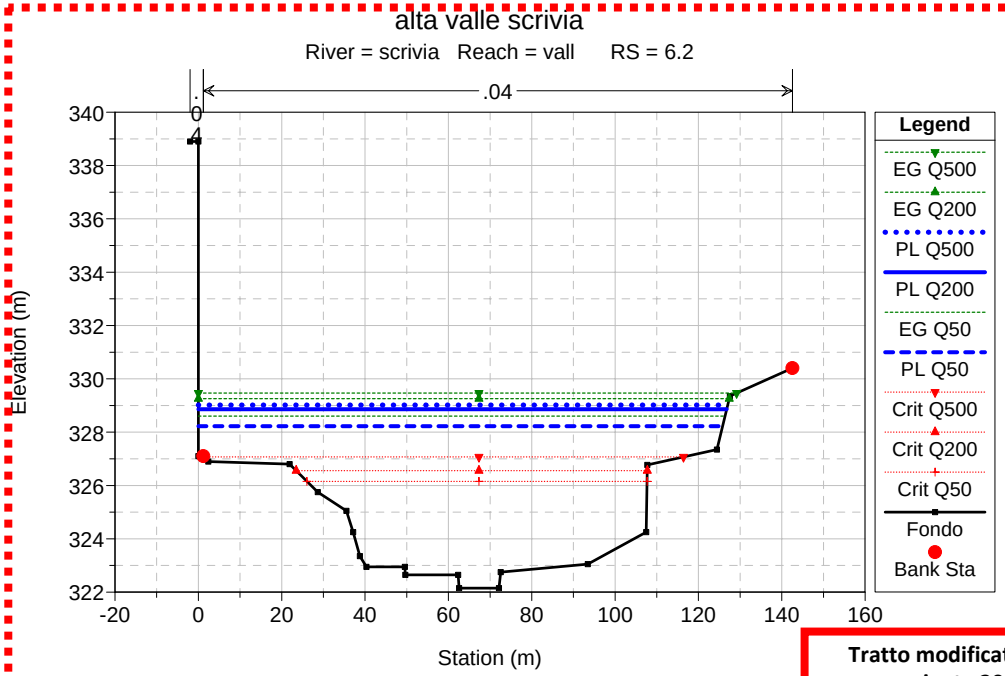


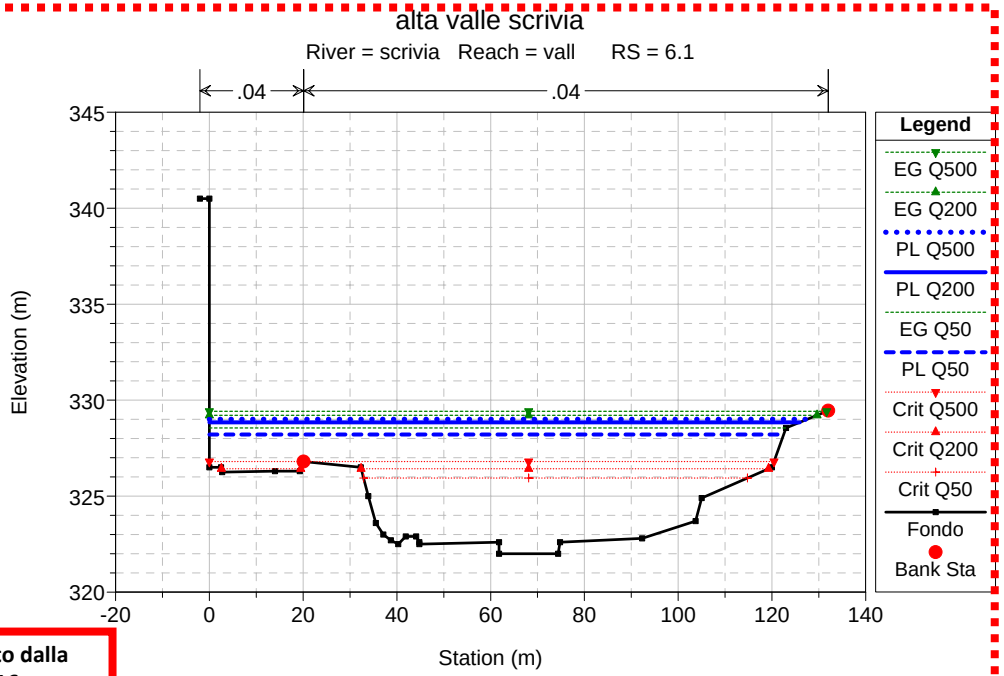
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Campi sportivi



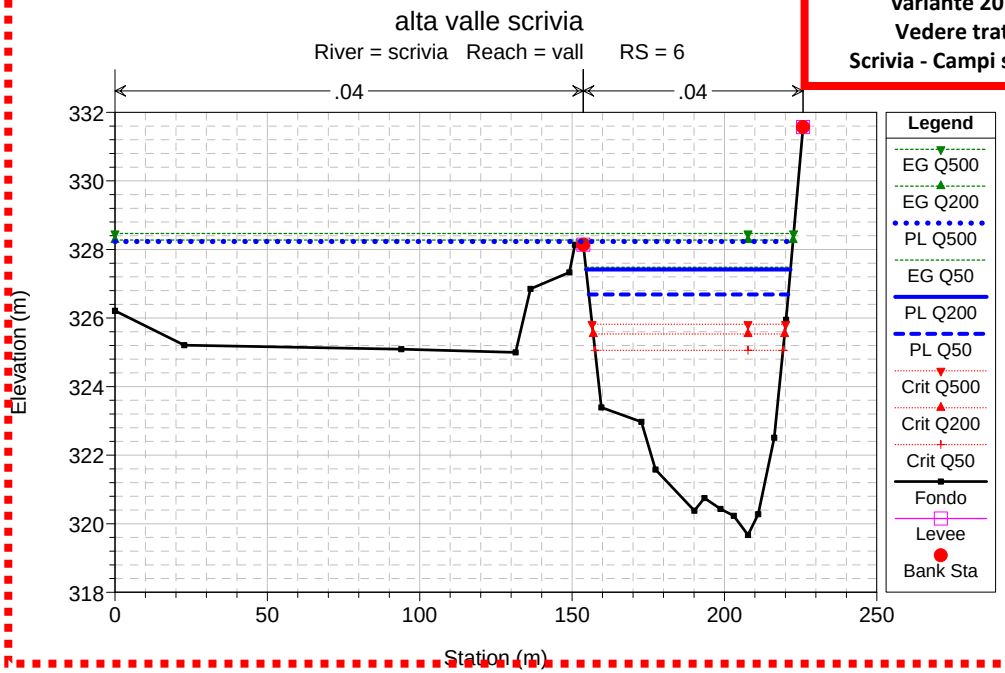


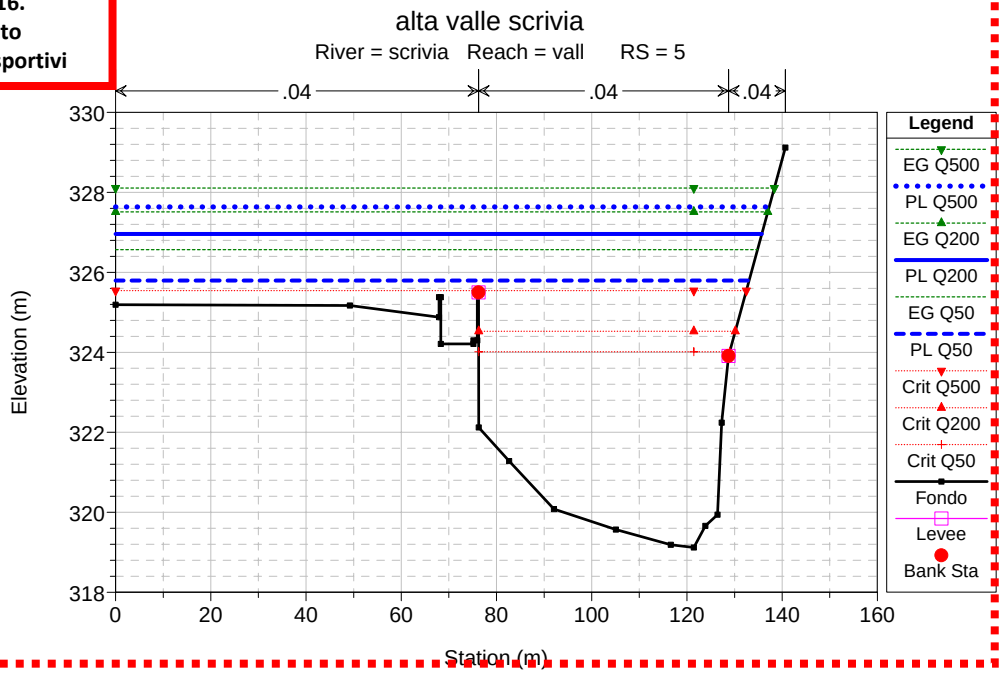

alta valle scrivia
River = scrivia Reach = vall RS = 6.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 6.8 BR
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Campi sportivi
alta valle scrivia
River = scrivia Reach = vall RS = 6.5
alta valle scrivia
River = scrivia Reach = vall RS = 6.3

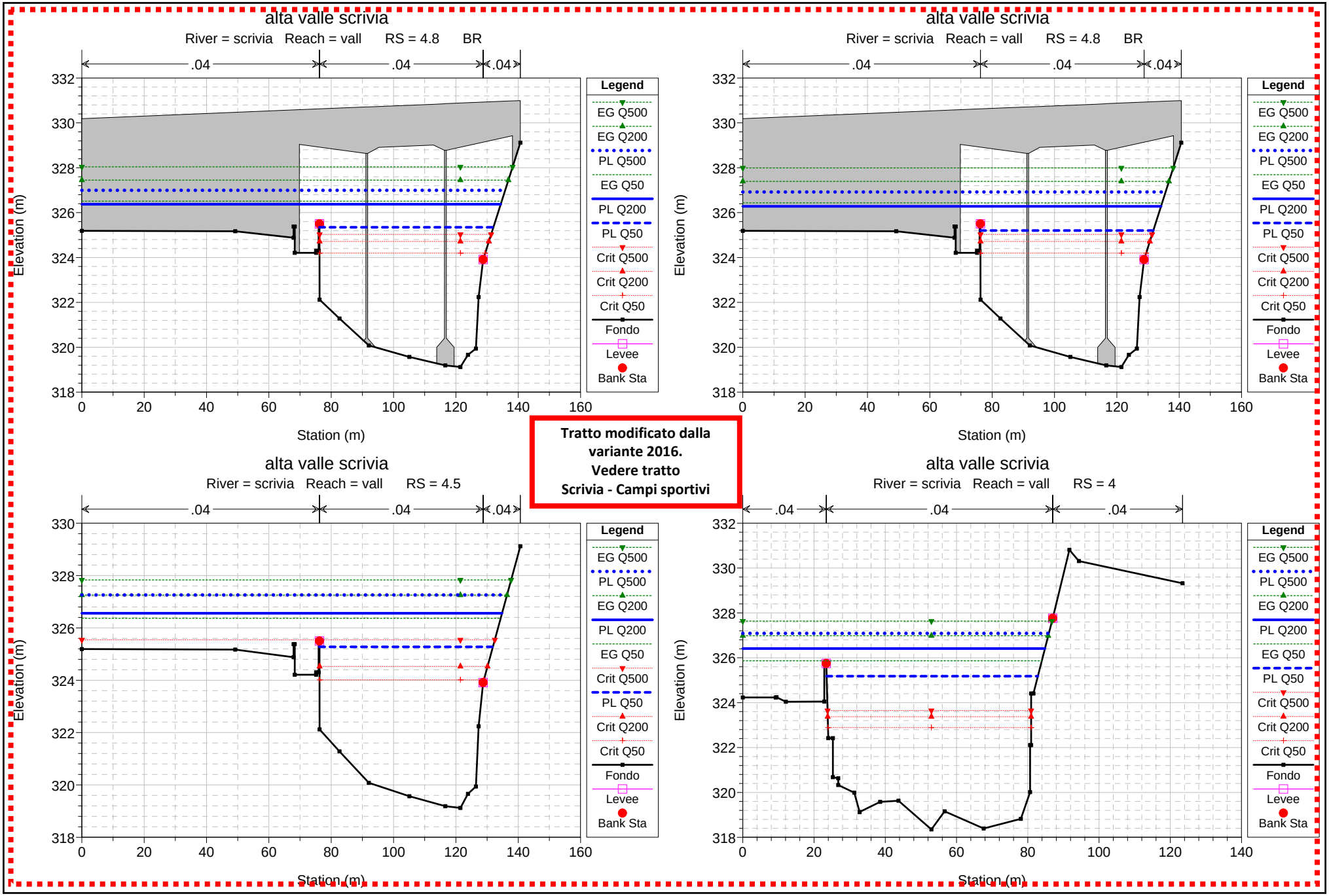


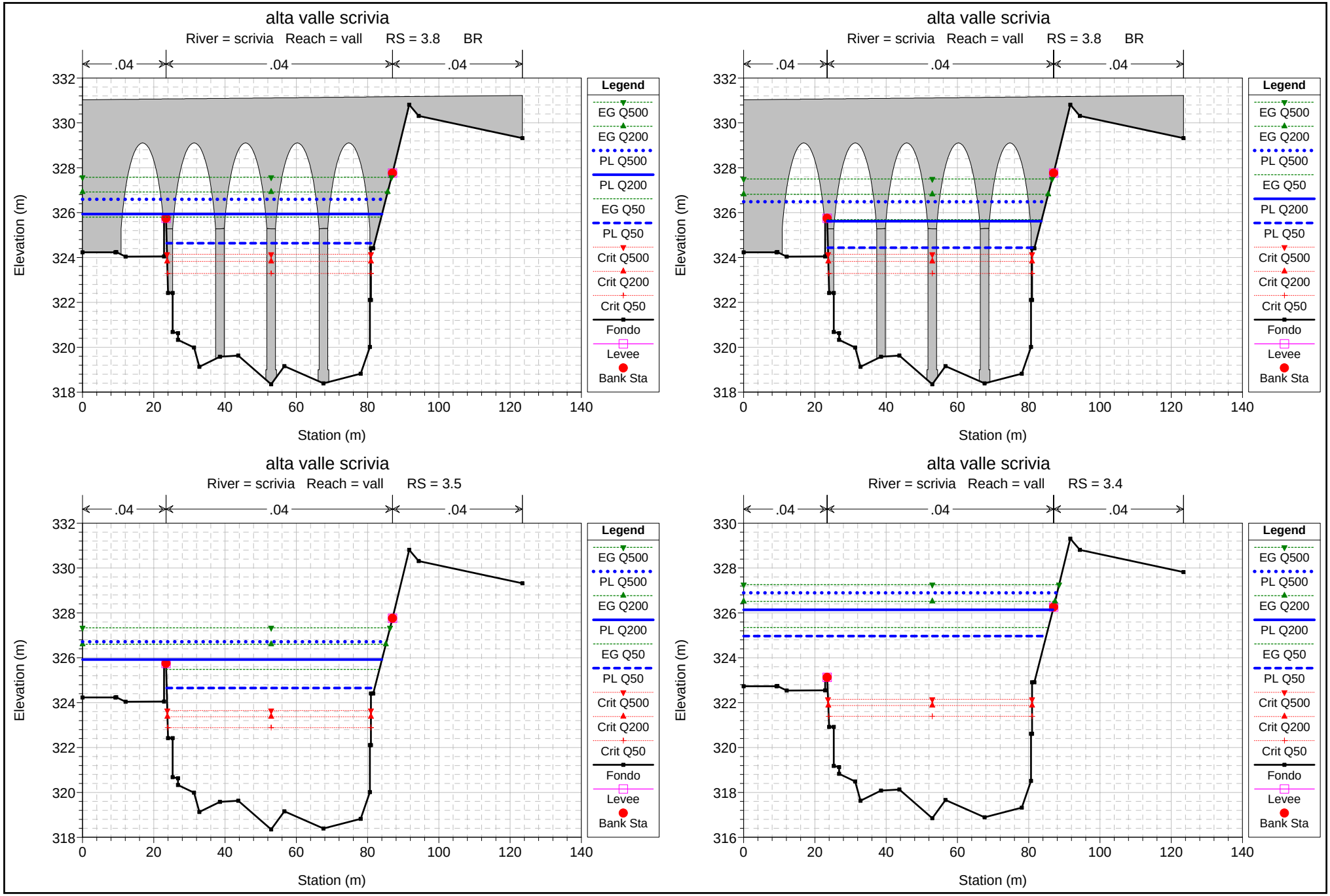


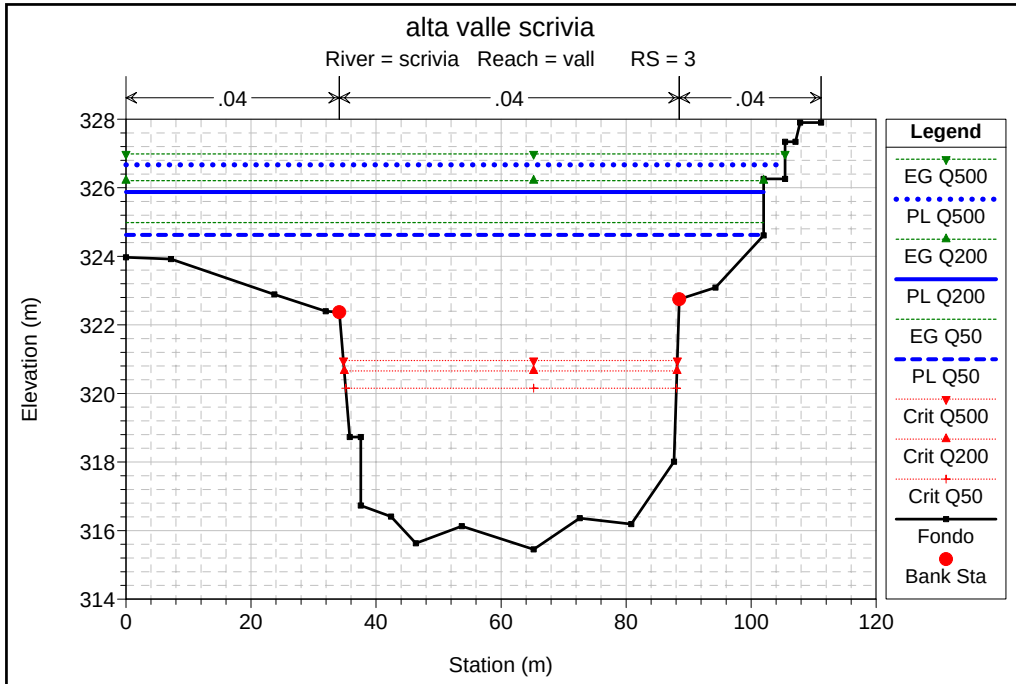
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Campi sportivi

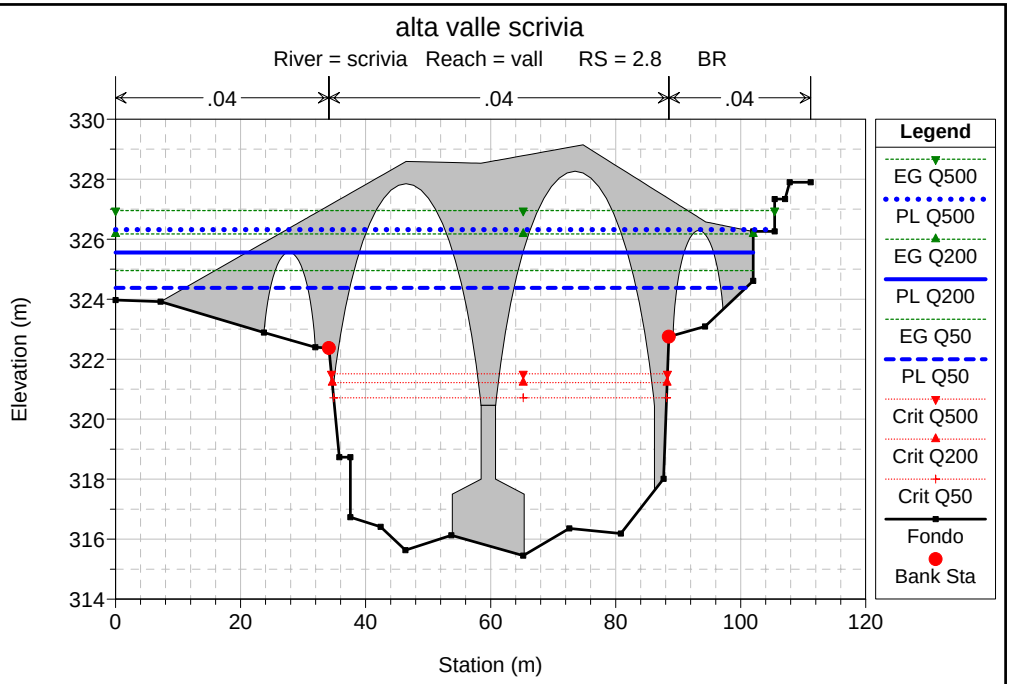


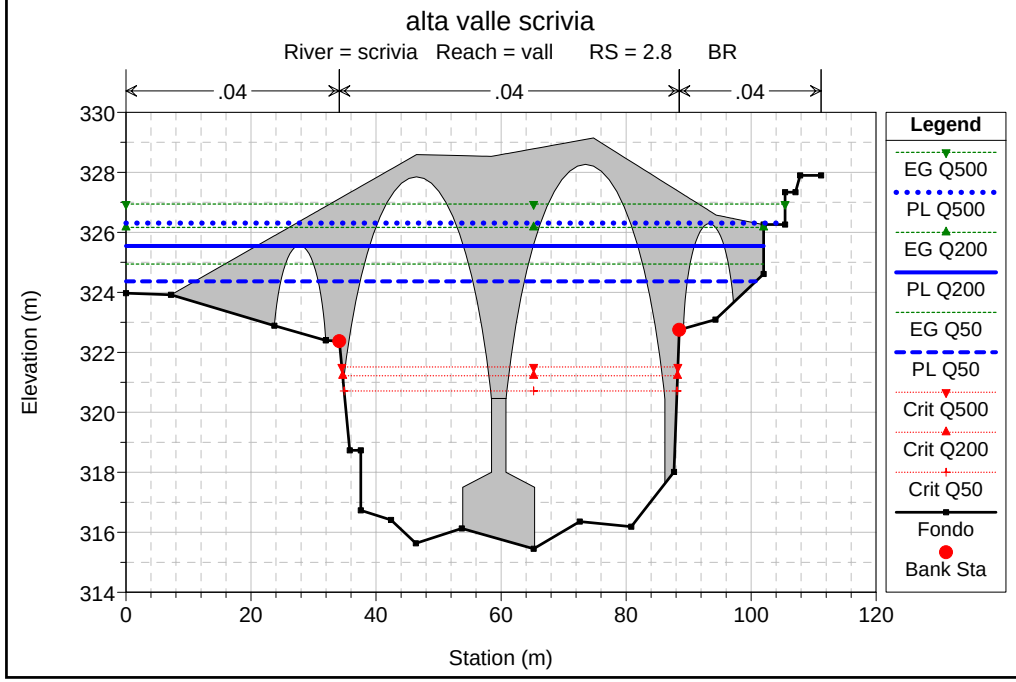


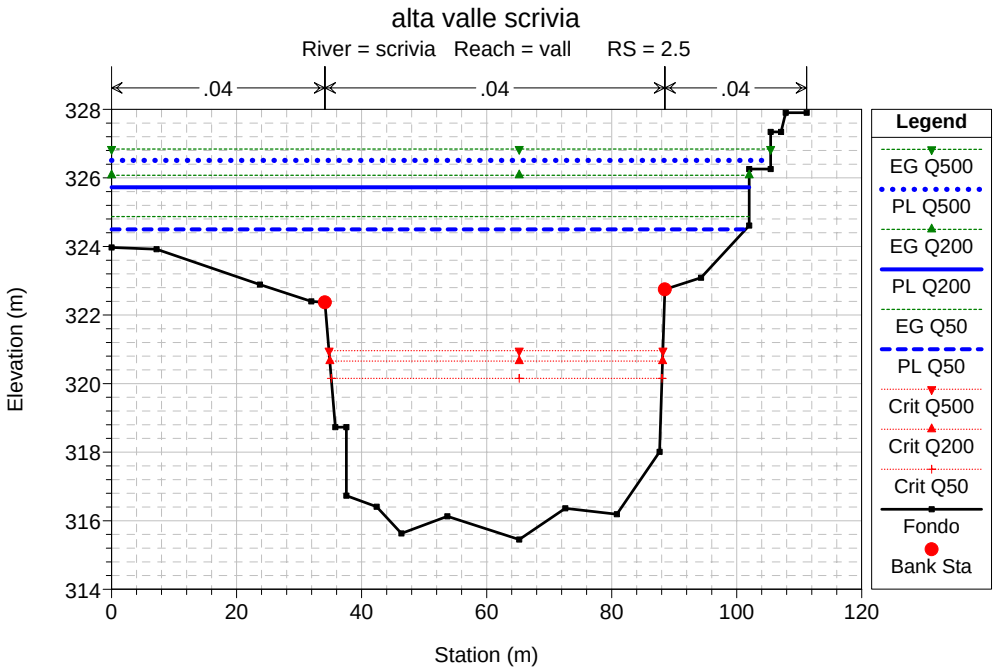

alta valle scrivia
River = scrivia Reach = vall RS = 4.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 4.8 BR
Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Campi sportivi
alta valle scrivia
River = scrivia Reach = vall RS = 4.5
alta valle scrivia
River = scrivia Reach = vall RS = 4

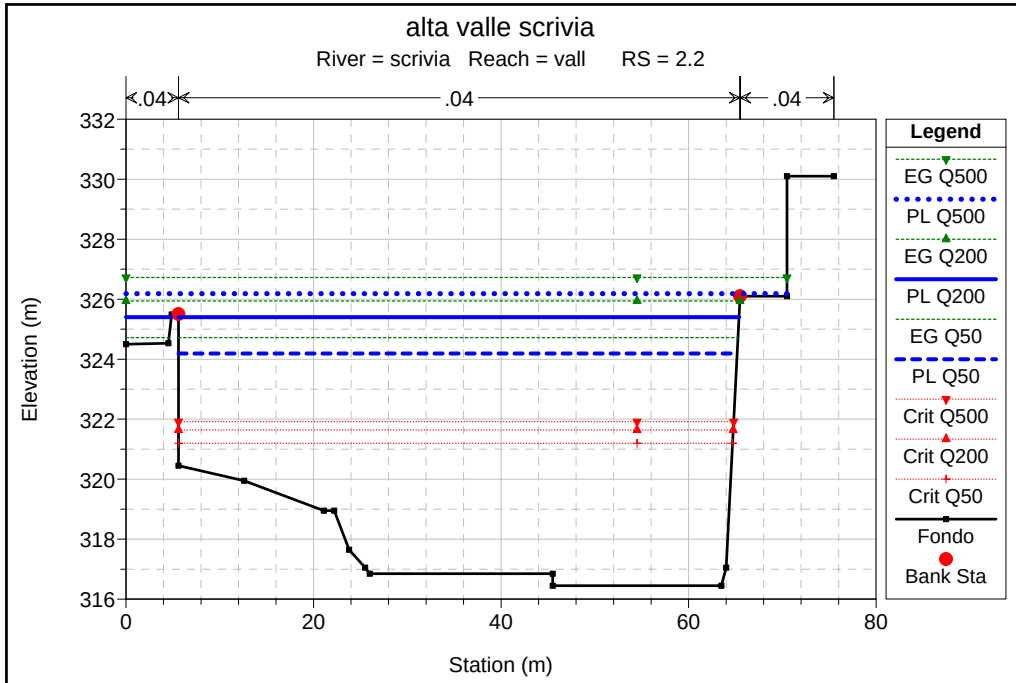

alta valle scrivia
River = scrivia Reach = vall RS = 3.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 3.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 3.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 3.4
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

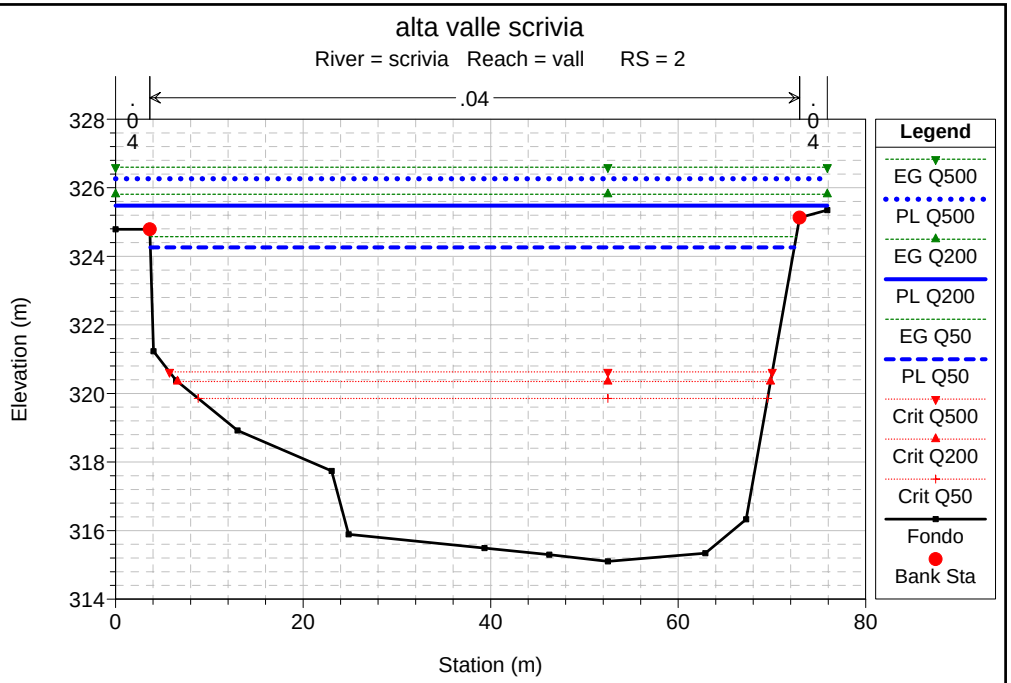

alta valle scrivia
River = scrivia Reach = vall RS = 3
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

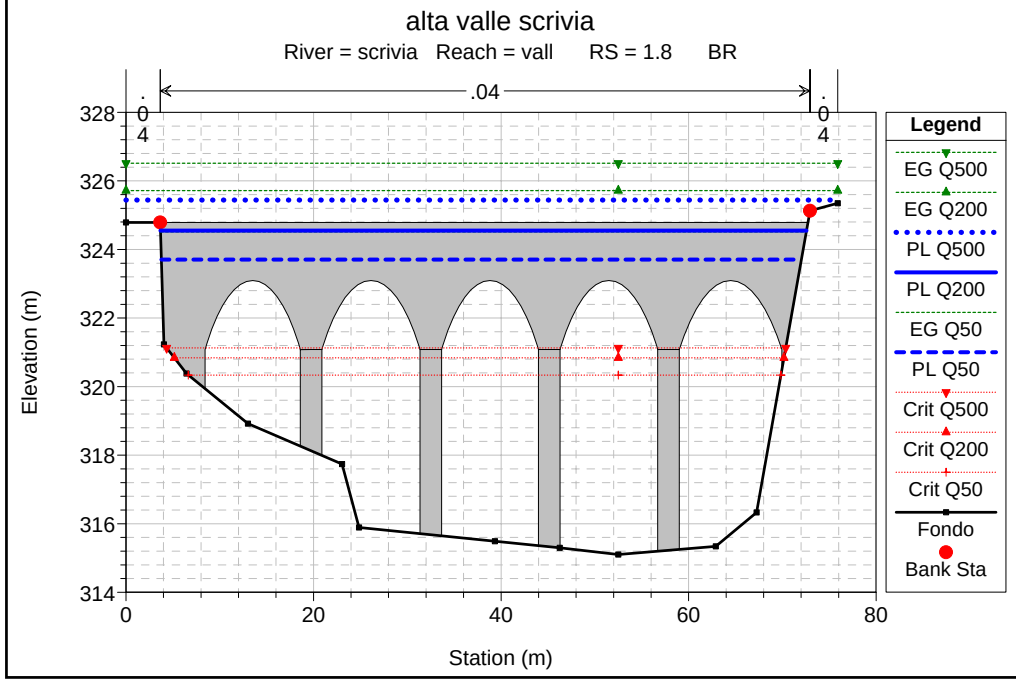

alta valle scrivia
River = scrivia Reach = vall RS = 2.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

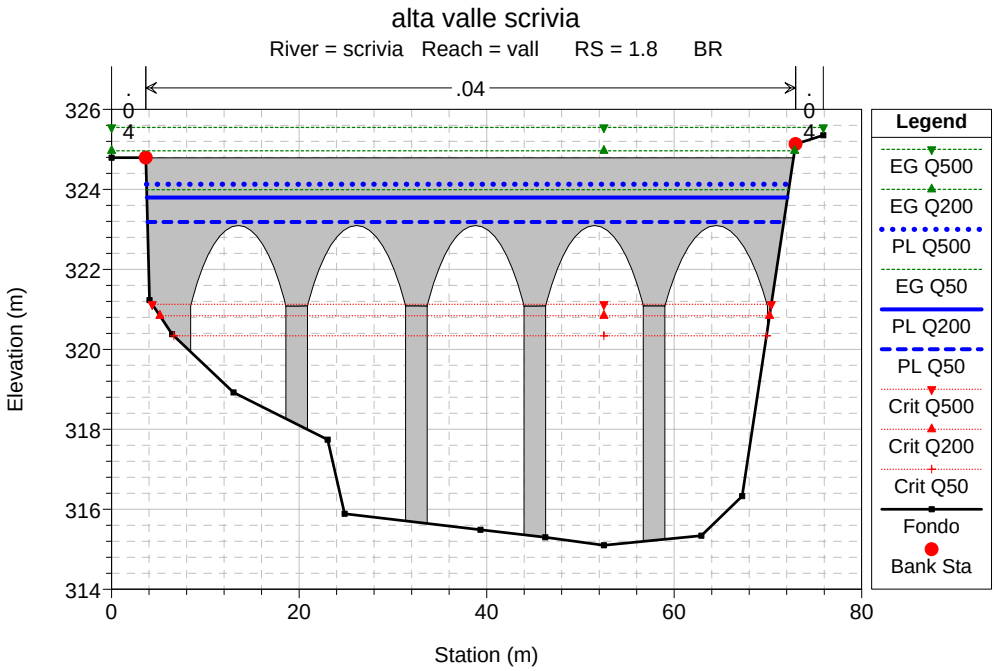

alta valle scrivia
River = scrivia Reach = vall RS = 2.8 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

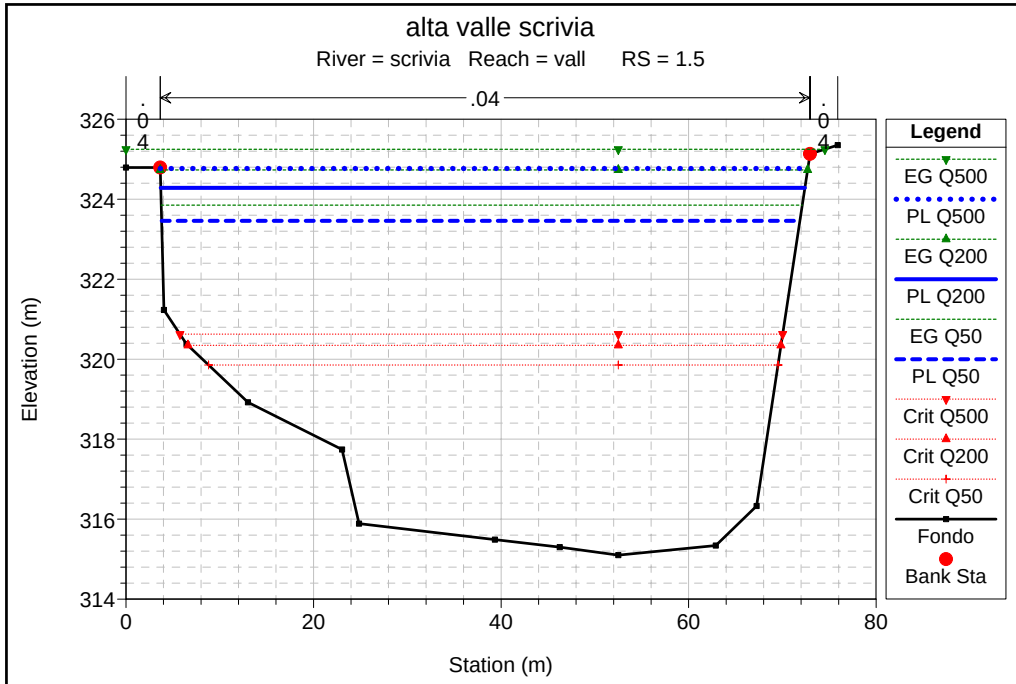

alta valle scrivia
River = scrivia Reach = vall RS = 2.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

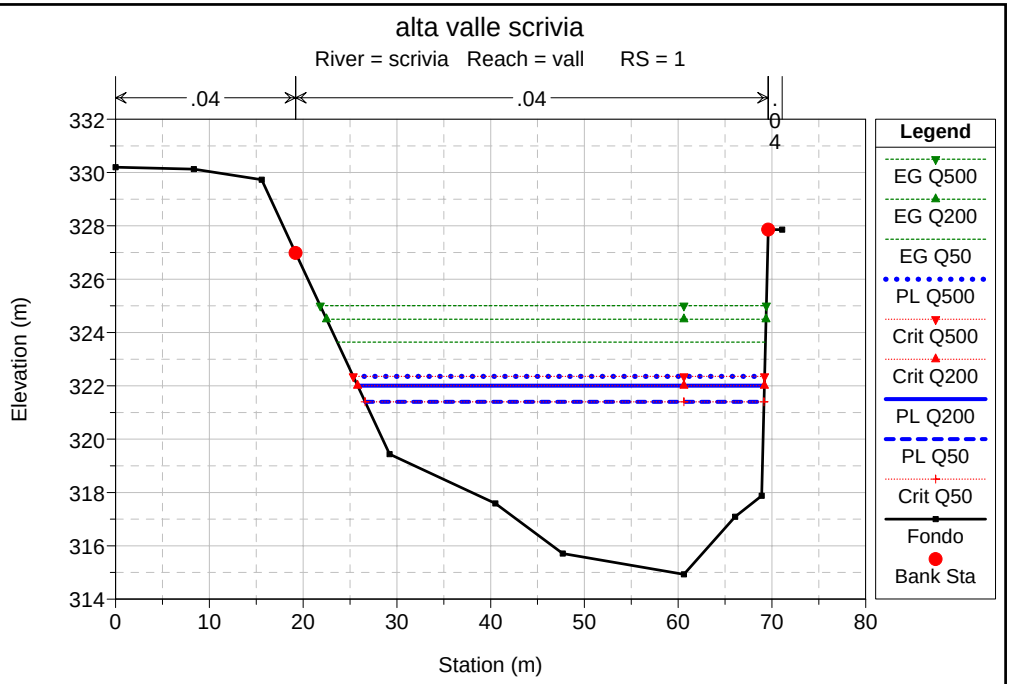

alta valle scrivia
River = scrivia Reach = vall RS = 2.2
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

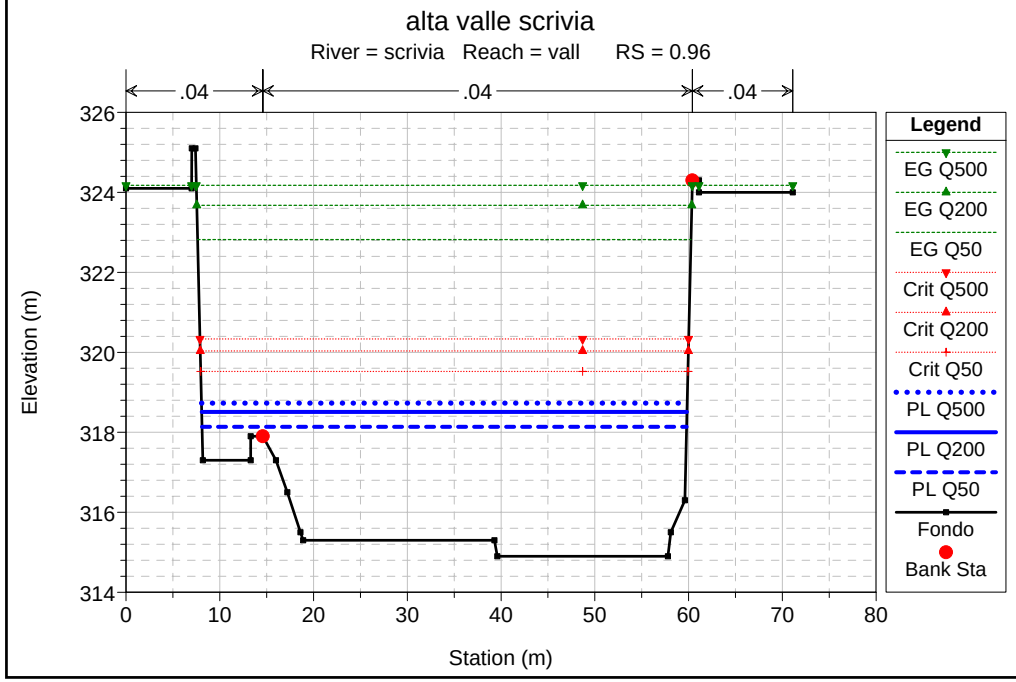

alta valle scrivia
River = scrivia Reach = vall RS = 2
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

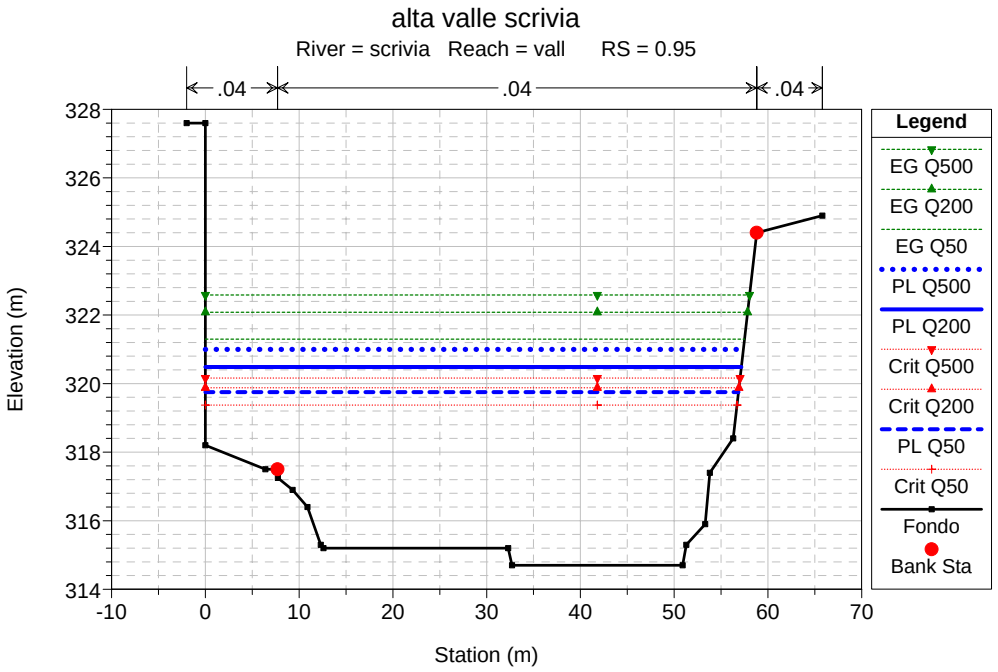

alta valle scrivia
River = scrivia Reach = vall RS = 1.8 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

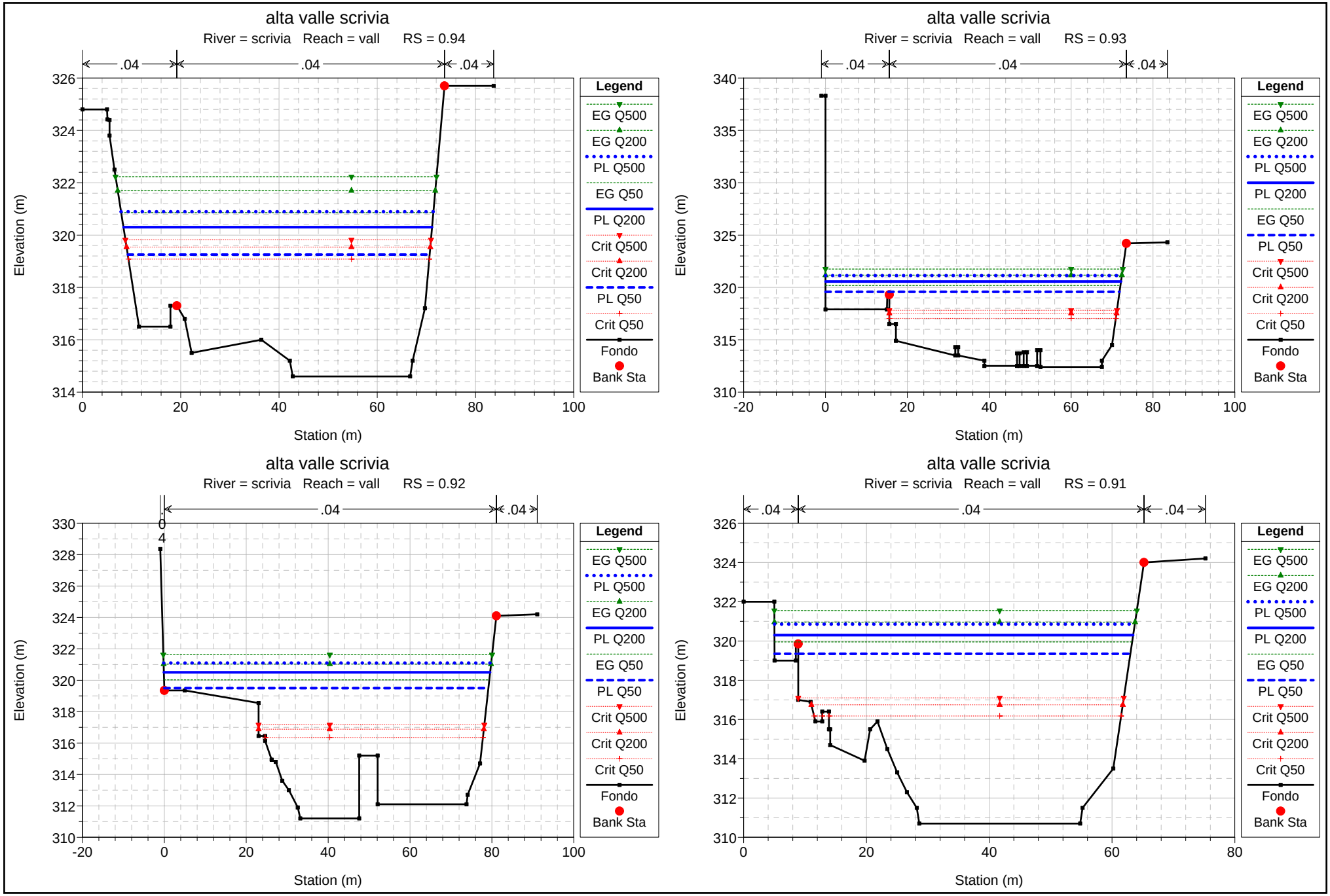

alta valle scrivia
River = scrivia Reach = vall RS = 1.8 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

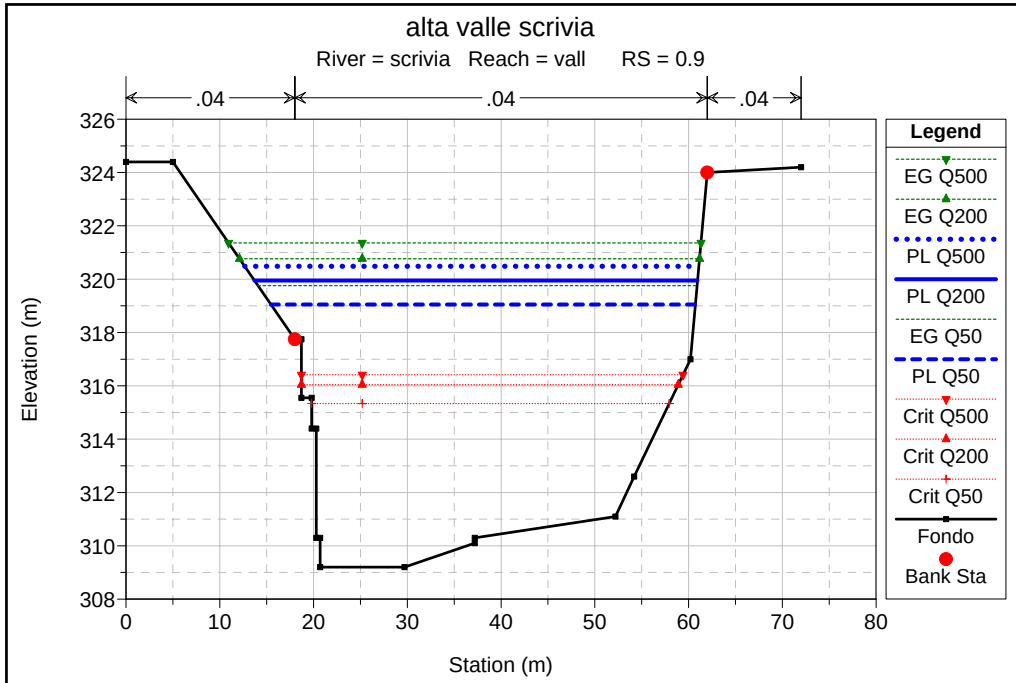

alta valle scrivia
River = scrivia Reach = vall RS = 1.5
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

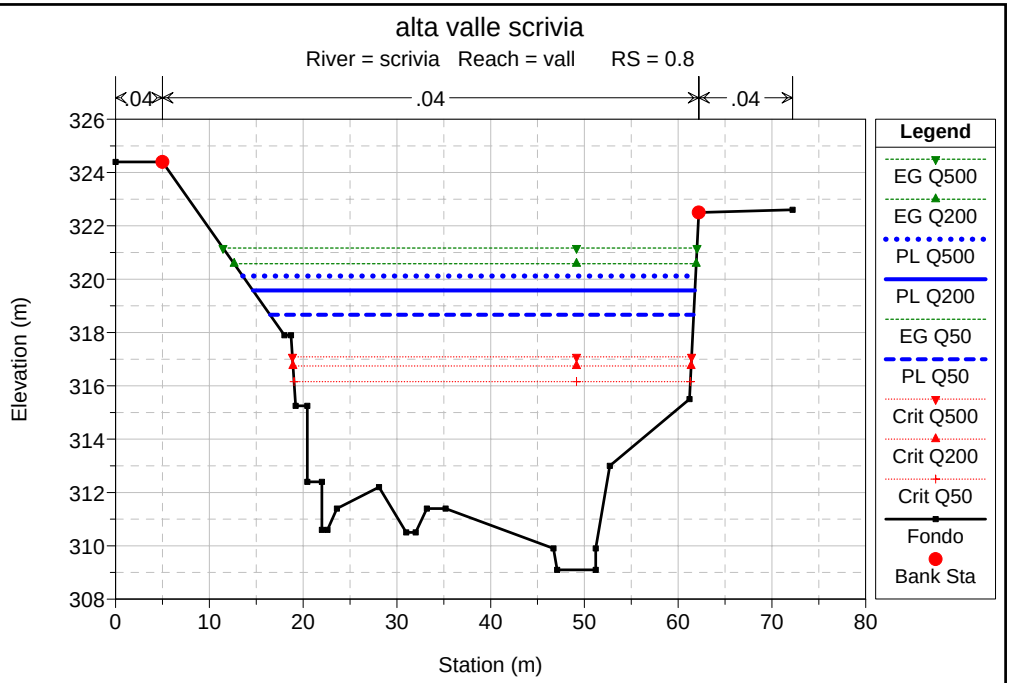

alta valle scrivia
River = scrivia Reach = vall RS = 1
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

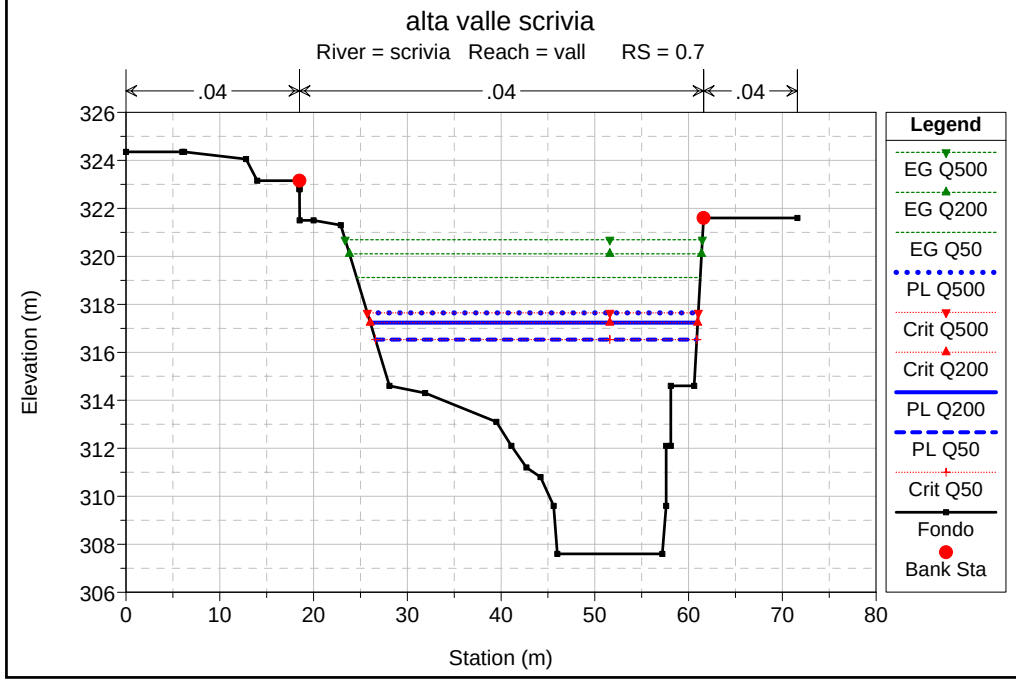

alta valle scrivia
River = scrivia Reach = vall RS = 0.96
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

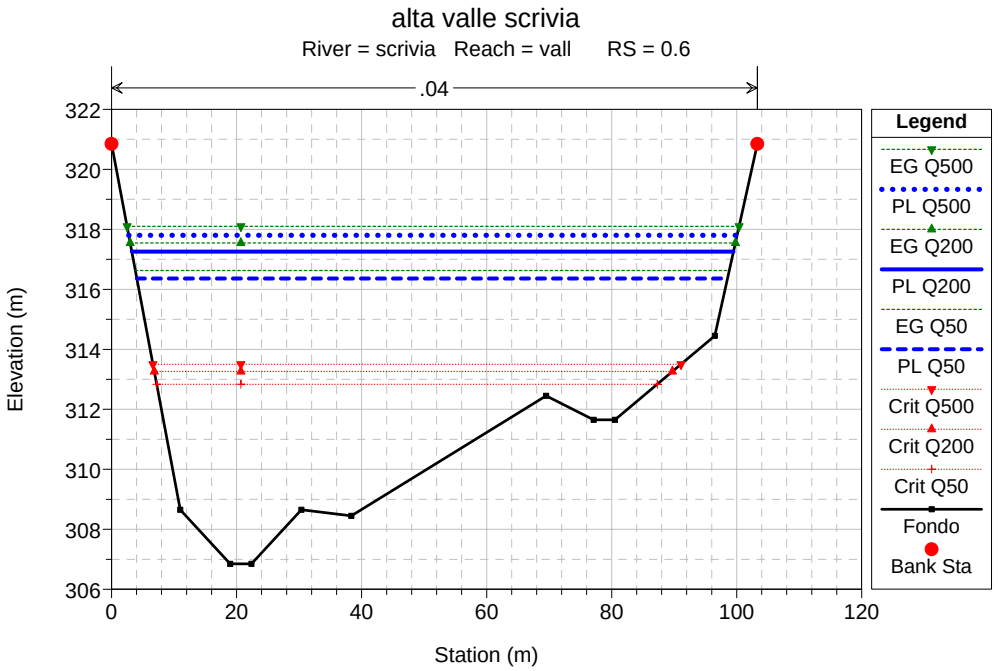

alta valle scrivia
River = scrivia Reach = vall RS = 0.95
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

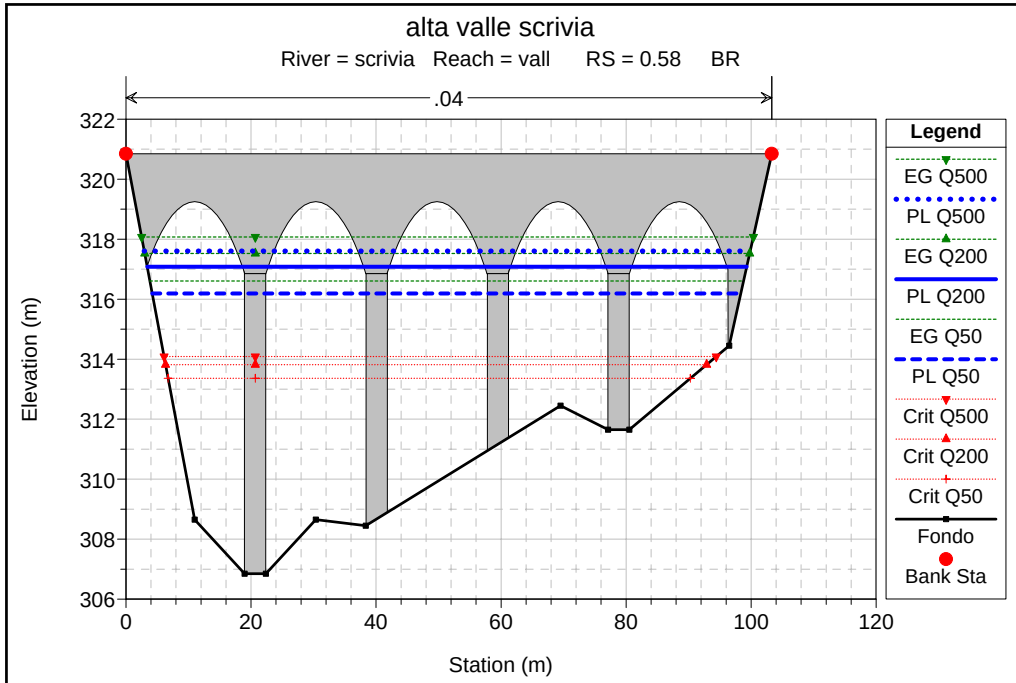

alta valle scrivia
River = scrivia Reach = vall RS = 0.94
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 0.93
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 0.92
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 0.91
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

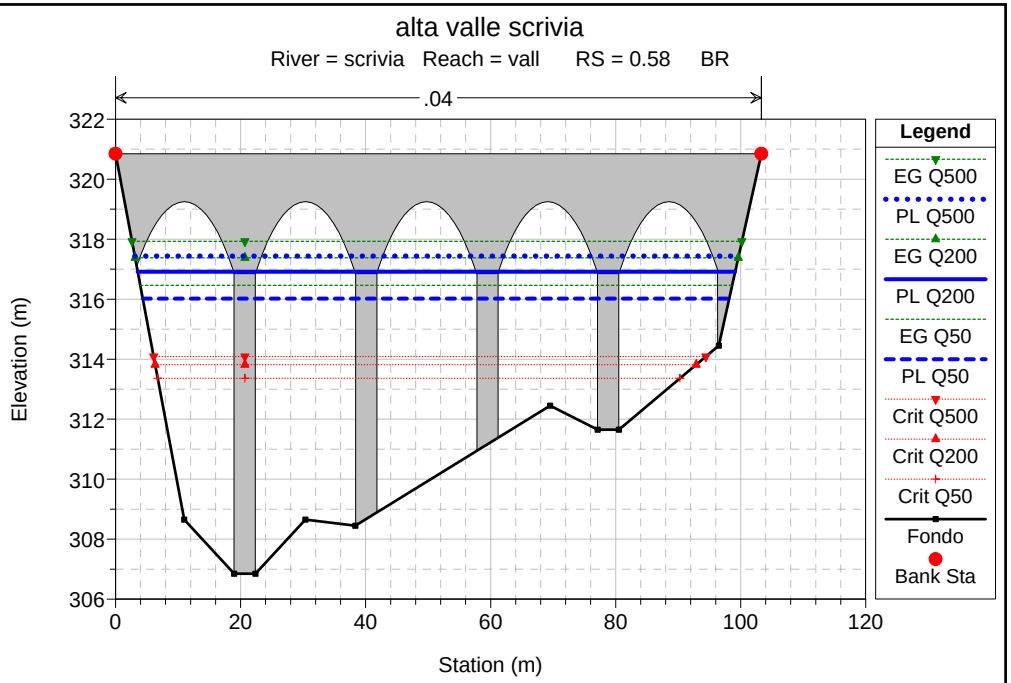

alta valle scrivia
River = scrivia Reach = vall RS = 0.9
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

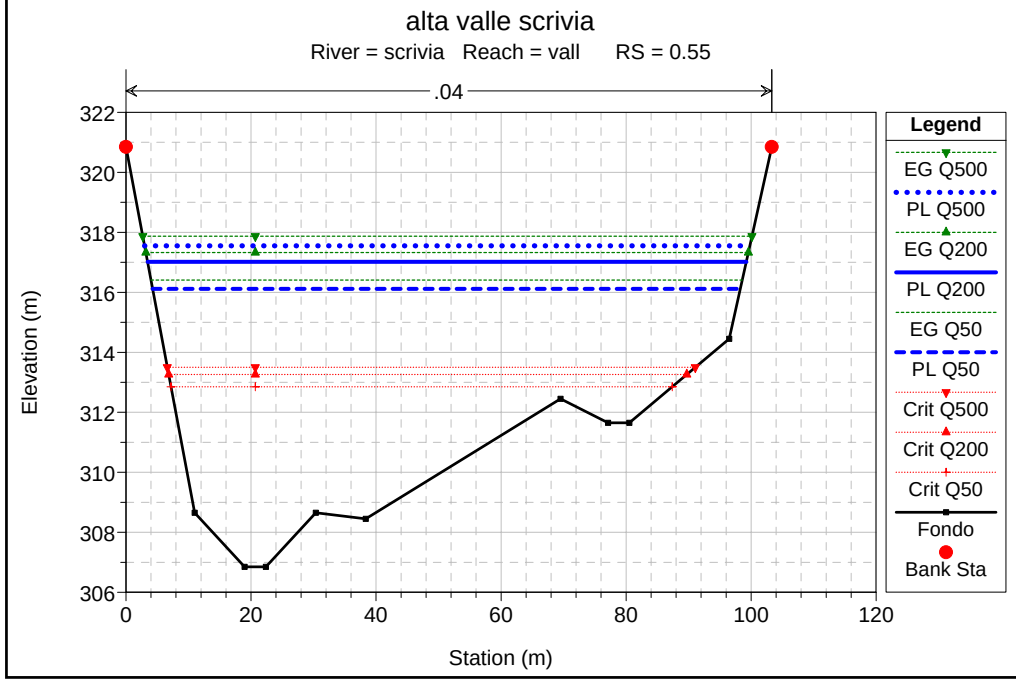

alta valle scrivia
River = scrivia Reach = vall RS = 0.8
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

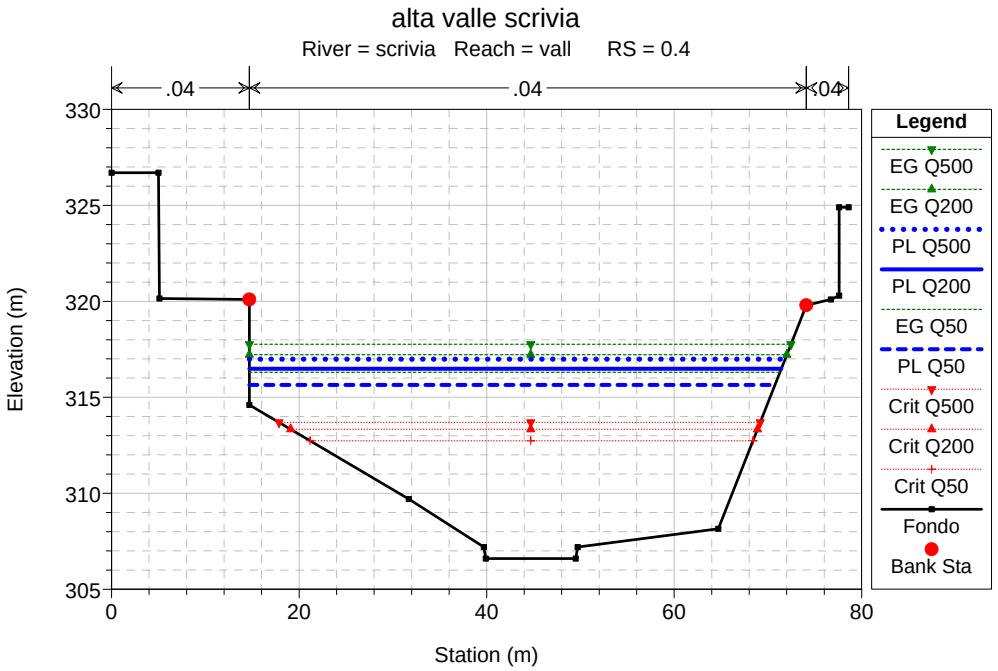

alta valle scrivia
River = scrivia Reach = vall RS = 0.7
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

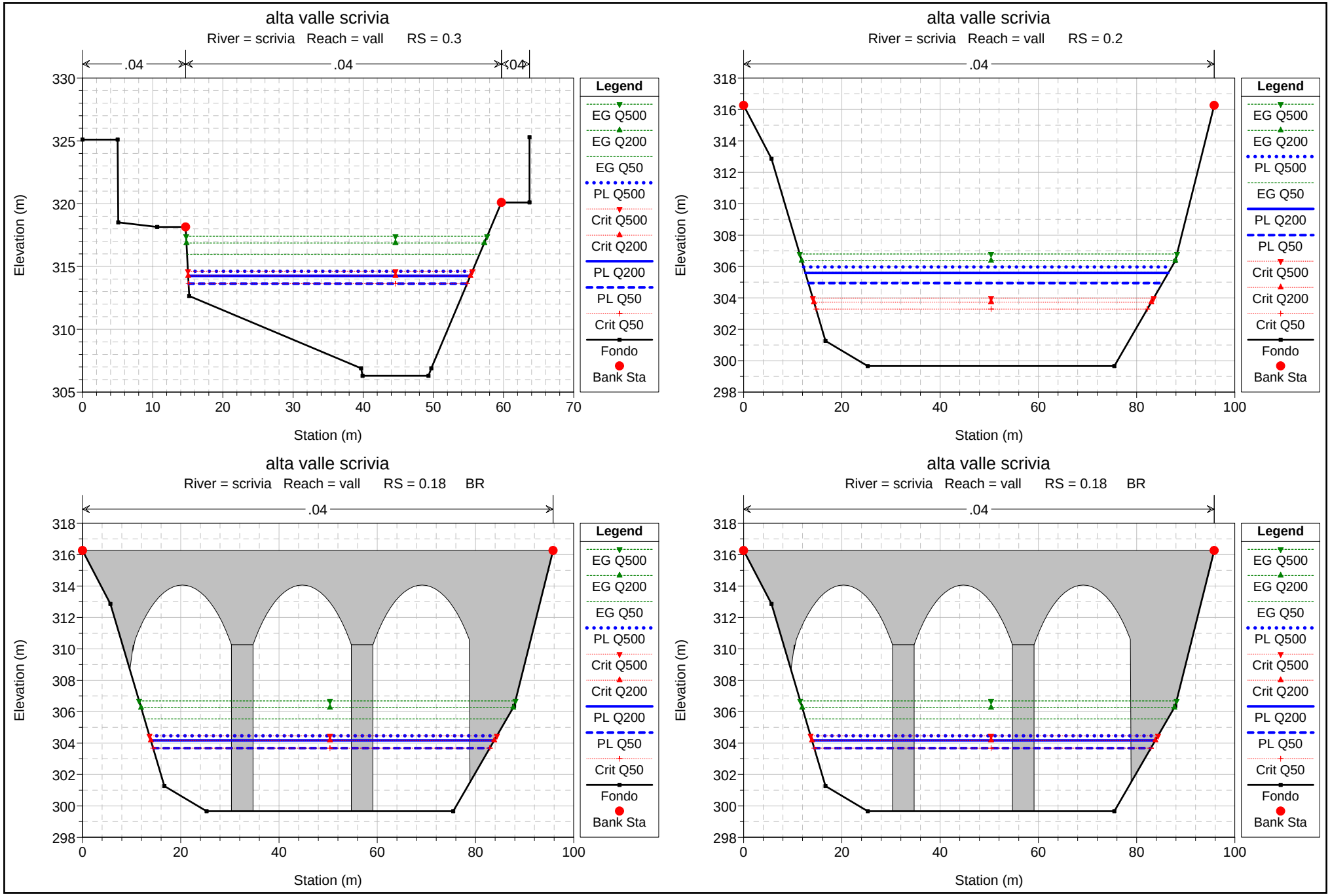

alta valle scrivia
River = scrivia Reach = vall RS = 0.6
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

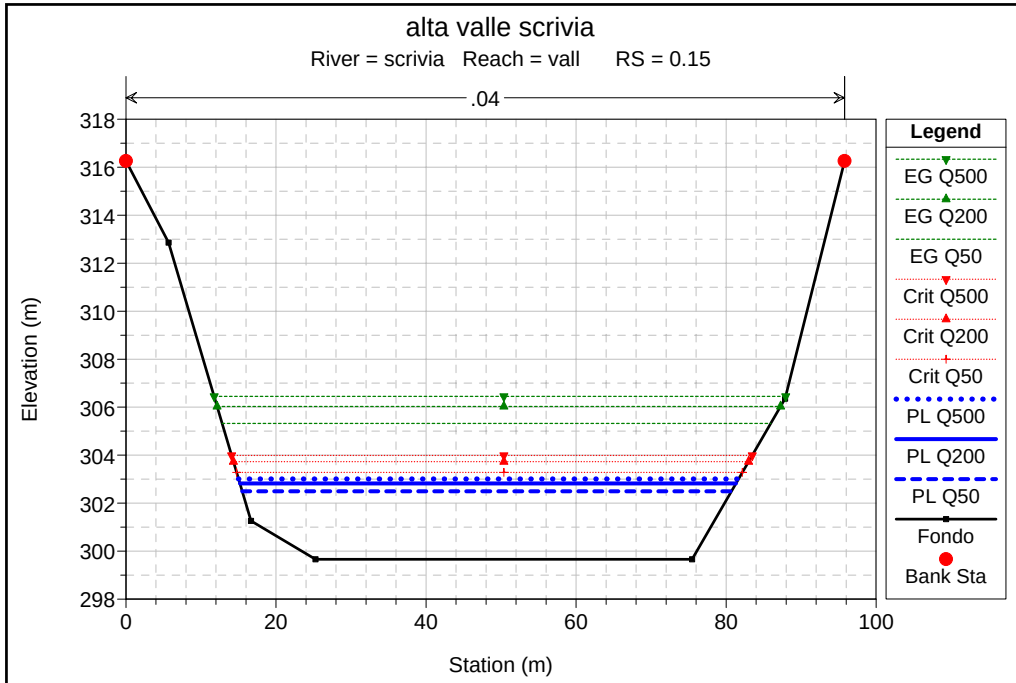

alta valle scrivia
River = scrivia Reach = vall RS = 0.58 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

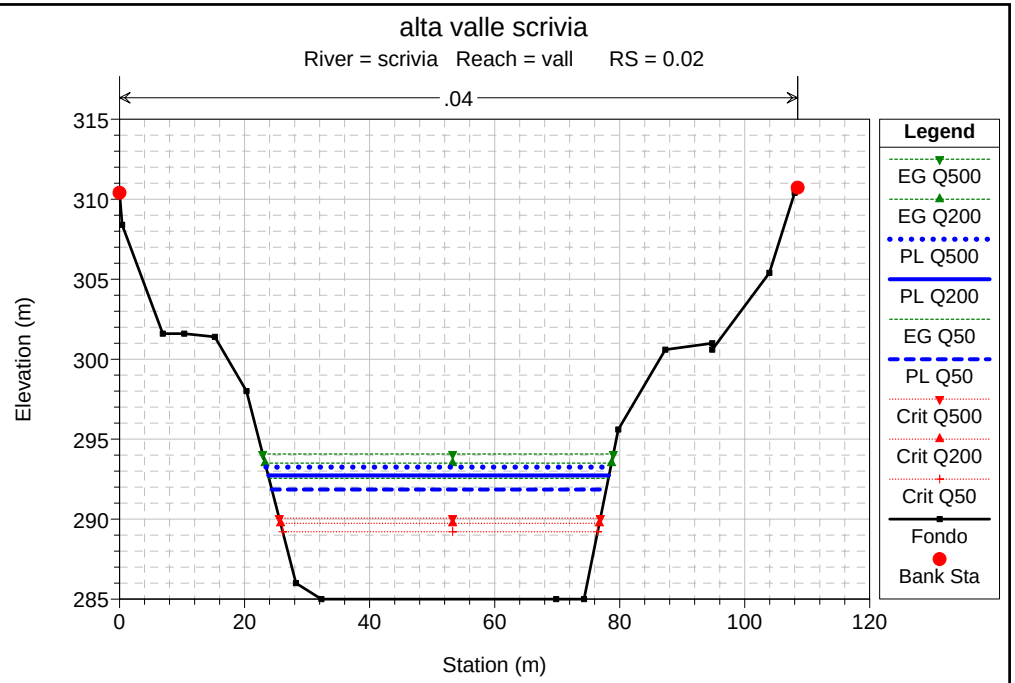

alta valle scrivia
River = scrivia Reach = vall RS = 0.58 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

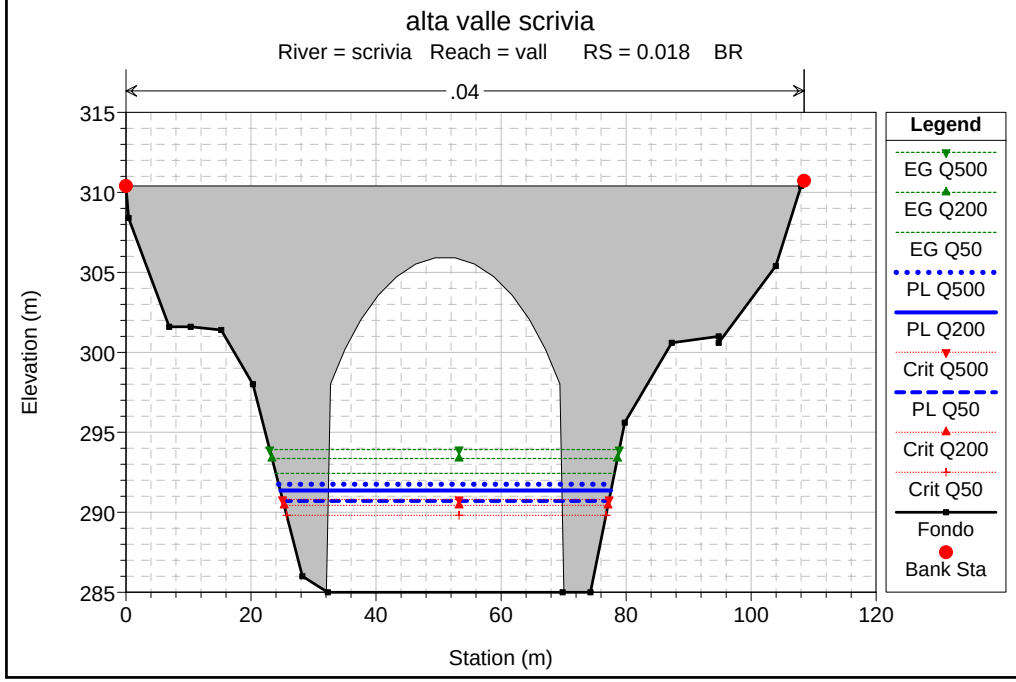

alta valle scrivia
River = scrivia Reach = vall RS = 0.55
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

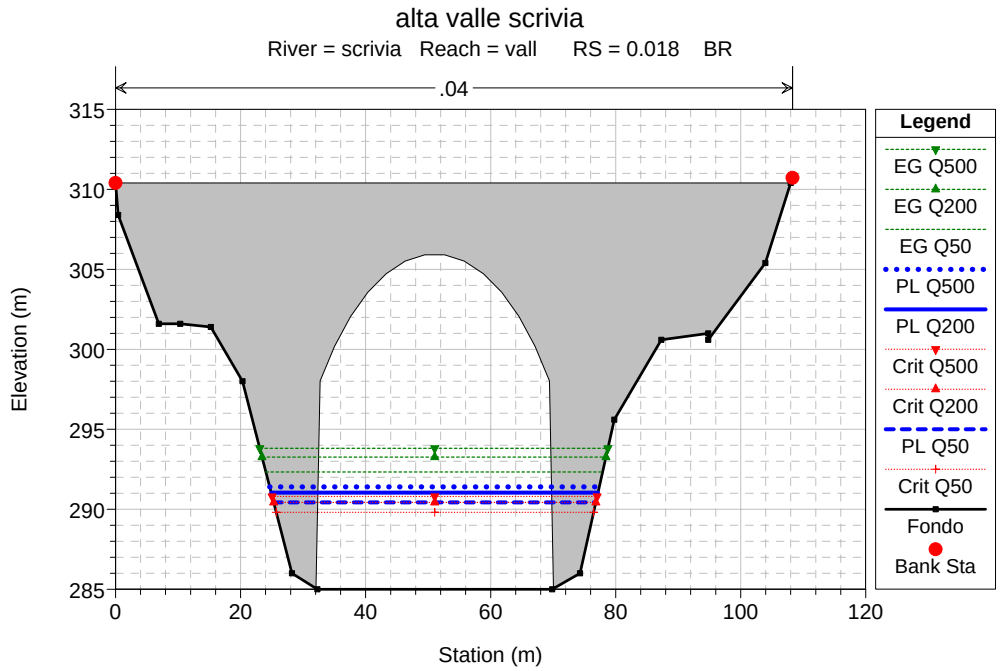

alta valle scrivia
River = scrivia Reach = vall RS = 0.4
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

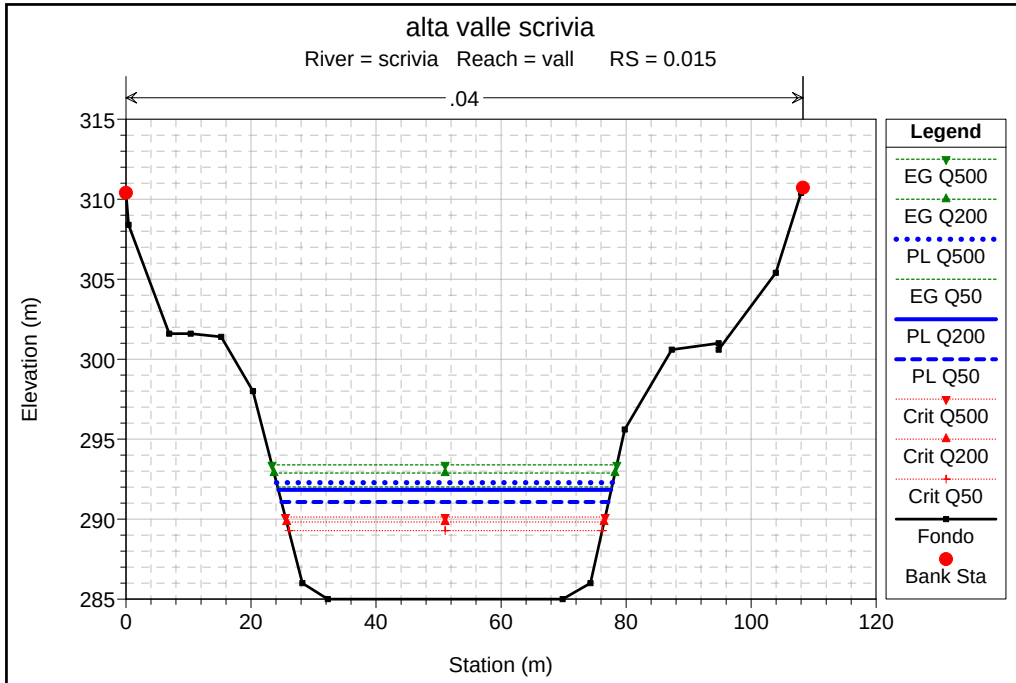

alta valle scrivia
River = scrivia Reach = vall RS = 0.3
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 0.2
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 0.18 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
alta valle scrivia
River = scrivia Reach = vall RS = 0.18 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

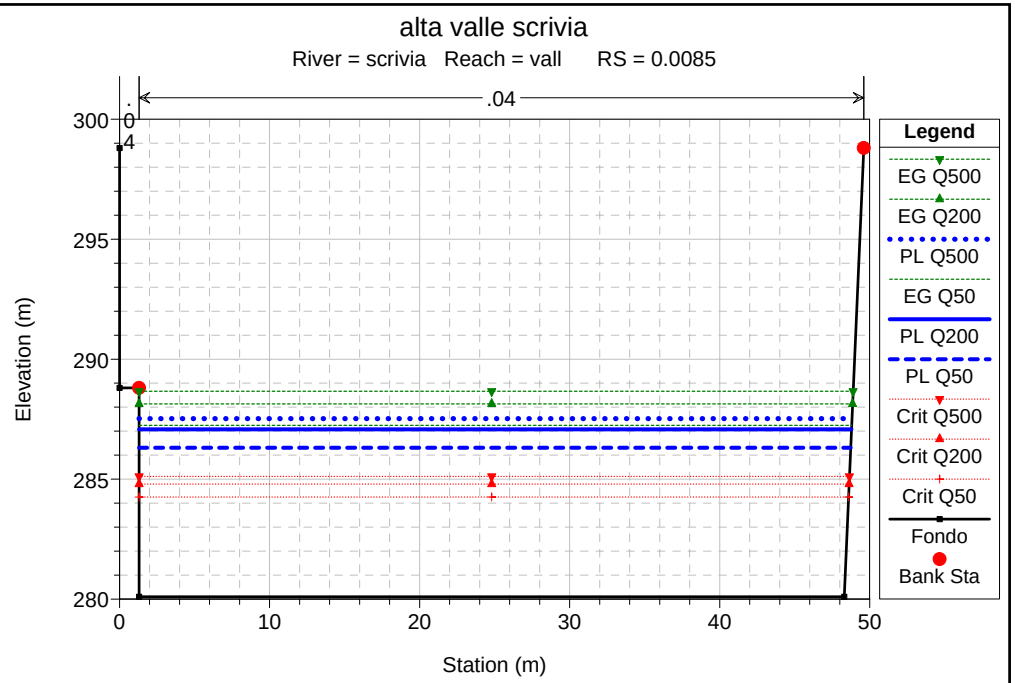

alta valle scrivia
River = scrivia Reach = vall RS = 0.15
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

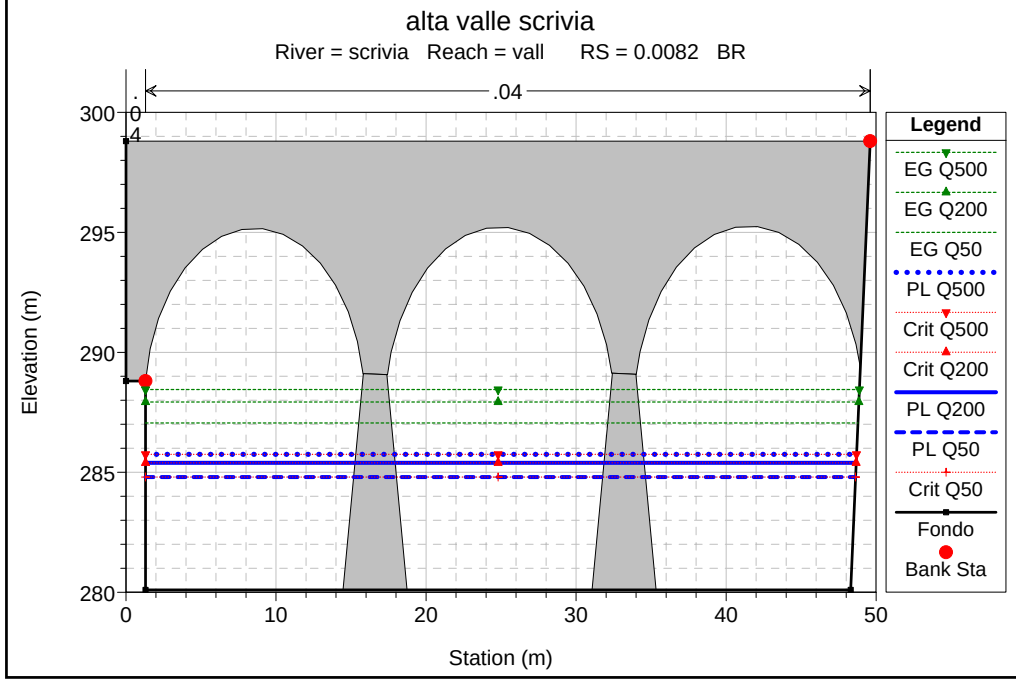

alta valle scrivia
River = scrivia Reach = vall RS = 0.02
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

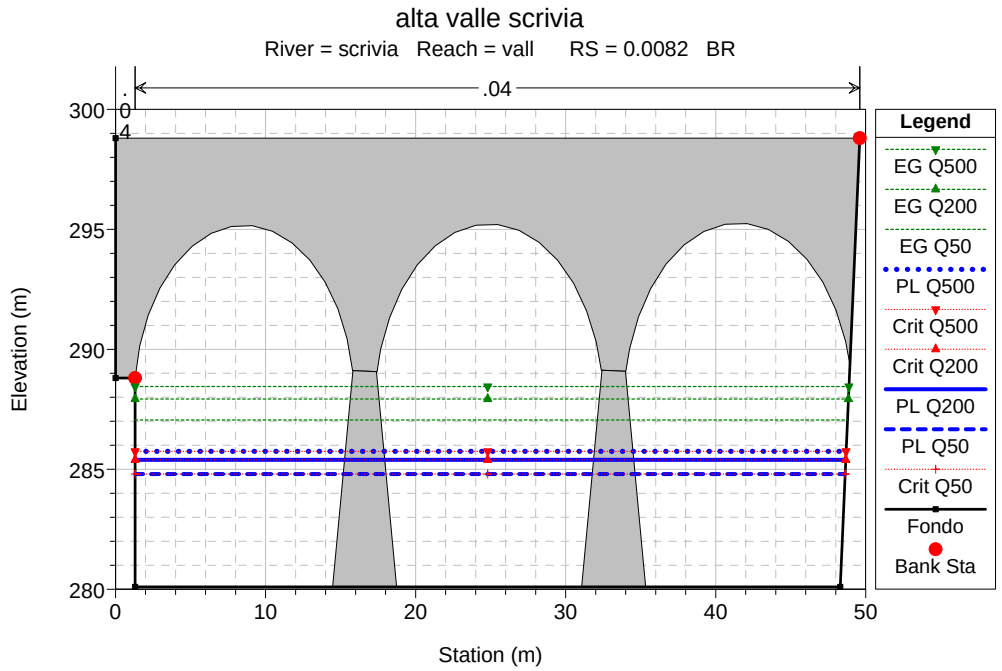

alta valle scrivia
River = scrivia Reach = vall RS = 0.018 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

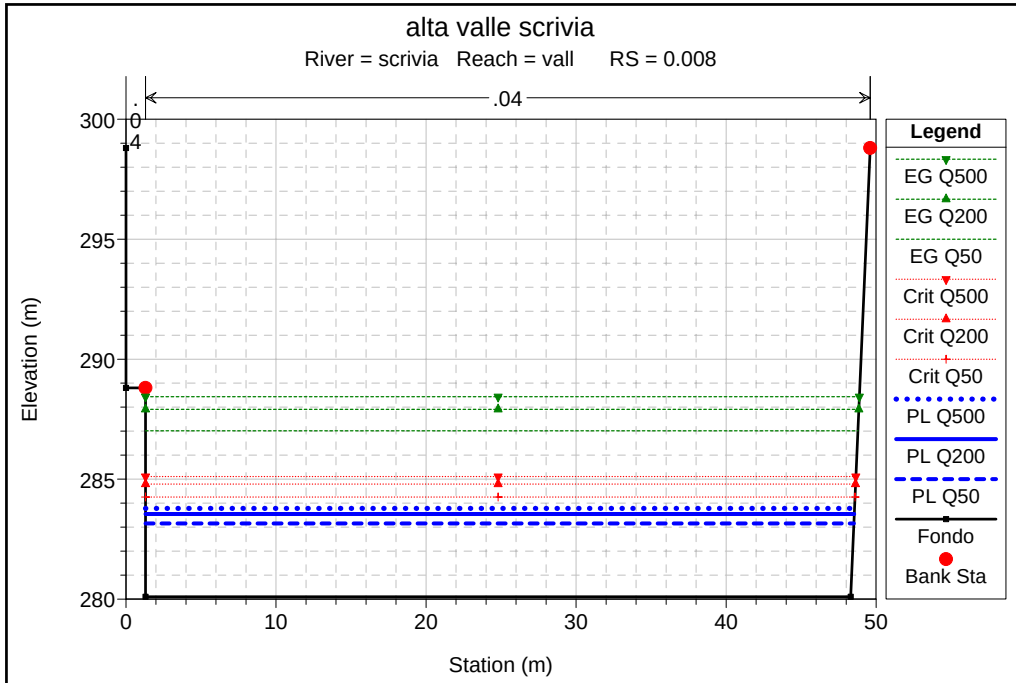

alta valle scrivia
River = scrivia Reach = vall RS = 0.018 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

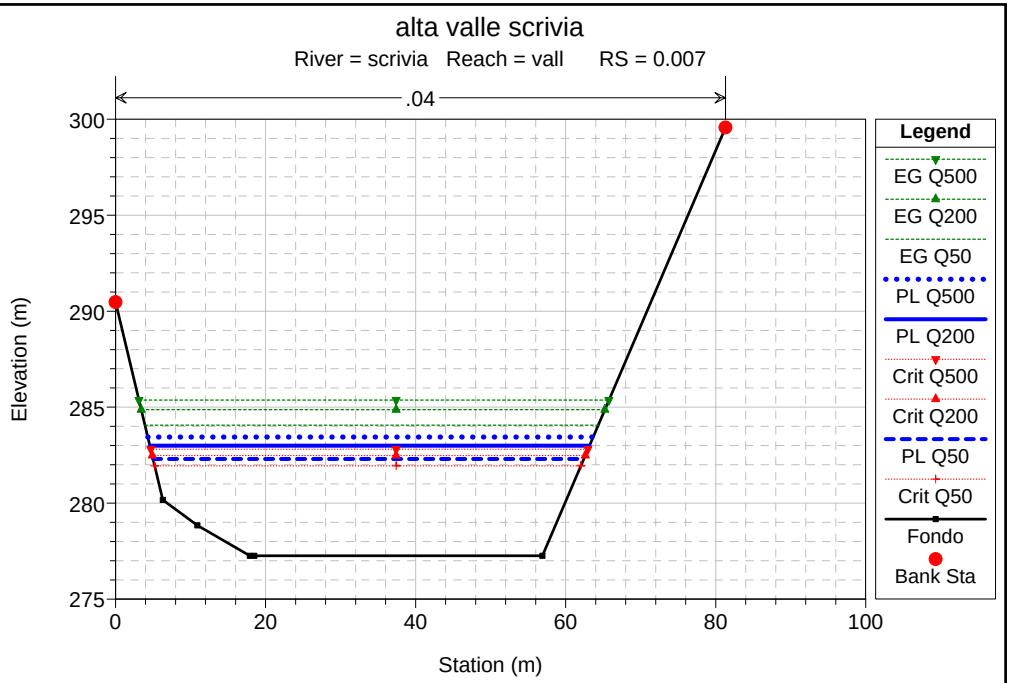

alta valle scrivia
River = scrivia Reach = vall RS = 0.015
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

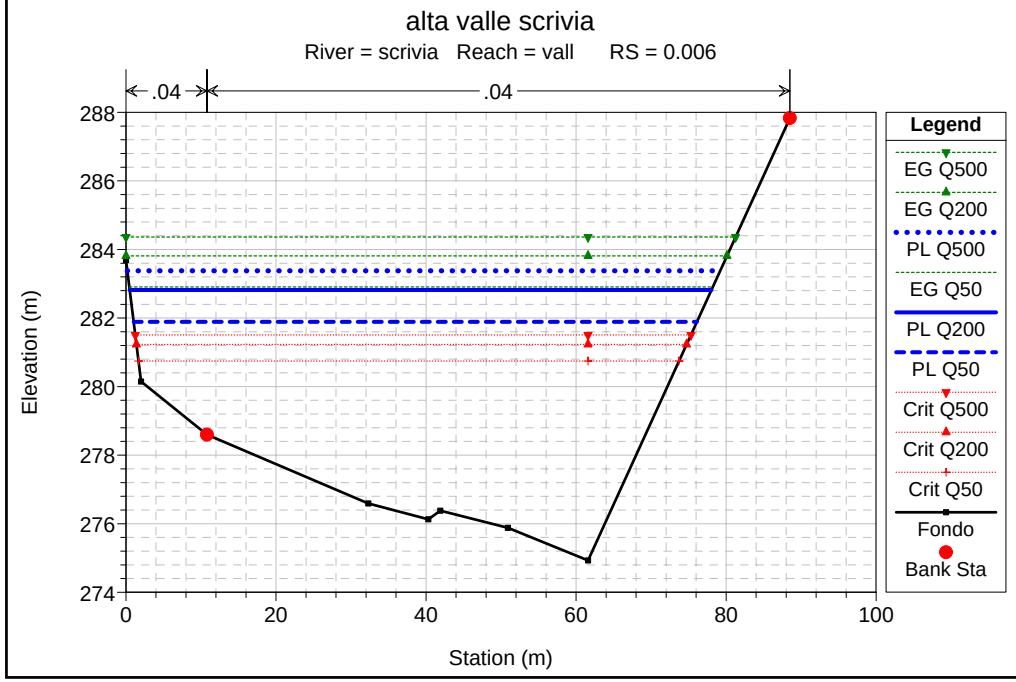

alta valle scrivia
River = scrivia Reach = vall RS = 0.0085
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

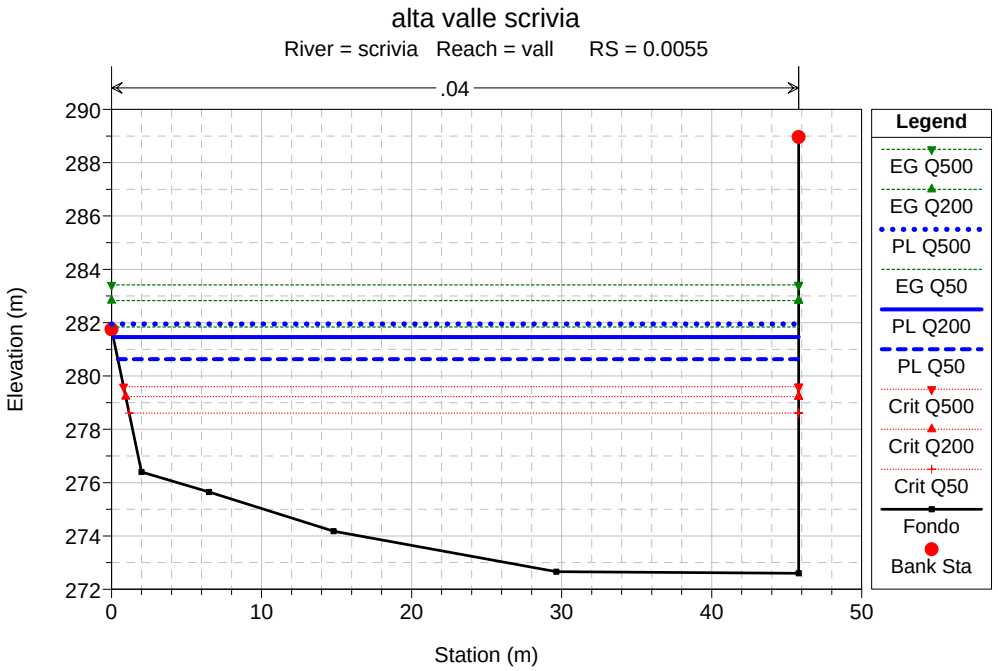

alta valle scrivia
River = scrivia Reach = vall RS = 0.0082 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

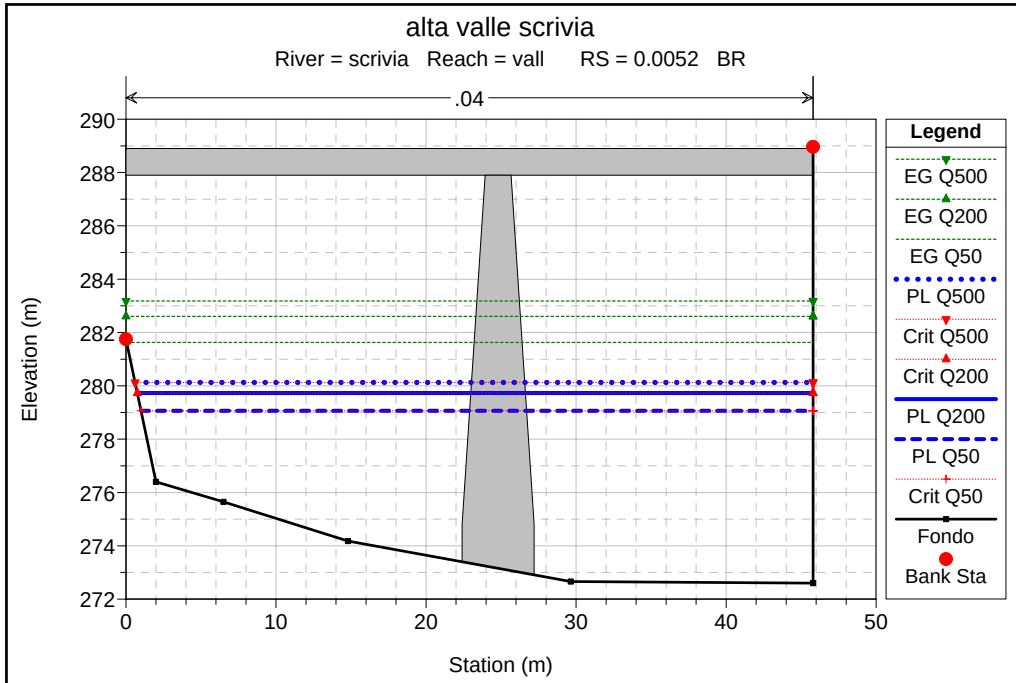

alta valle scrivia
River = scrivia Reach = vall RS = 0.0082 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

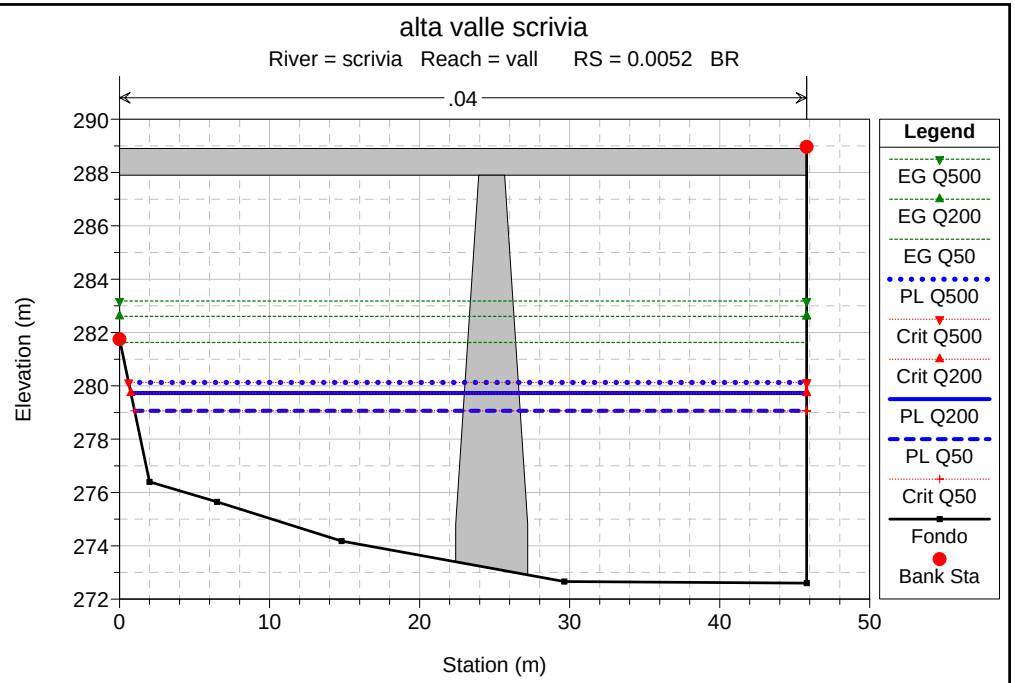

alta valle scrivia
River = scrivia Reach = vall RS = 0.008
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

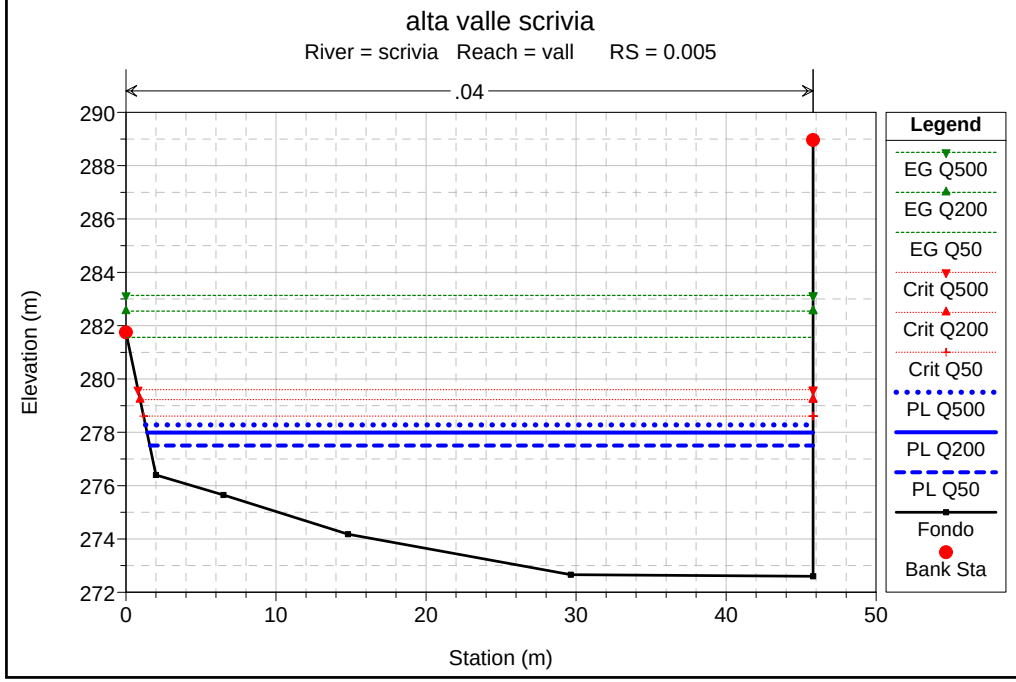

alta valle scrivia
River = scrivia Reach = vall RS = 0.007
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

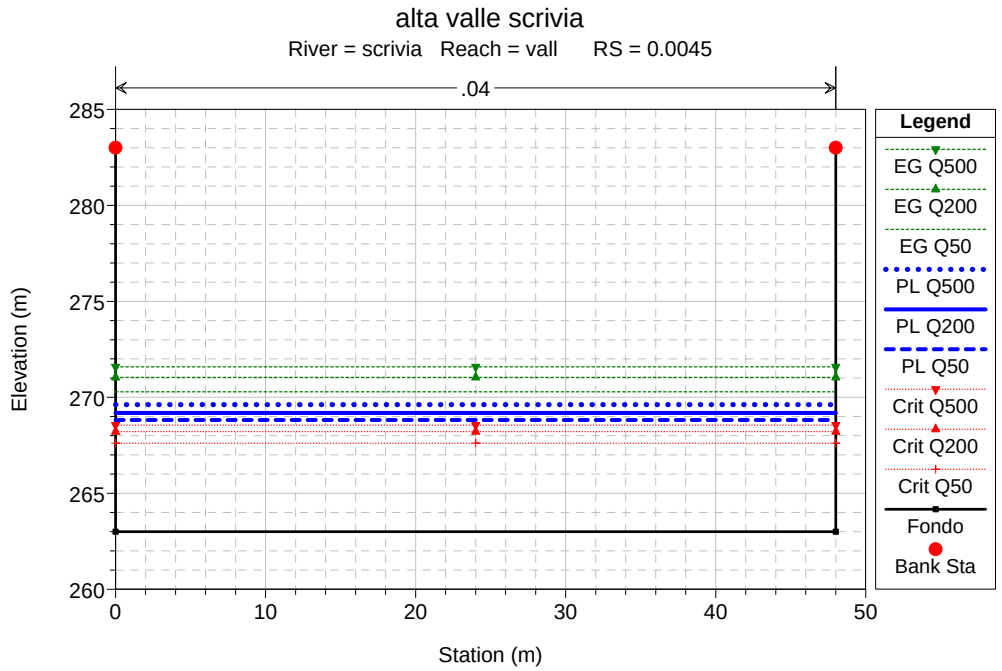

alta valle scrivia
River = scrivia Reach = vall RS = 0.006
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

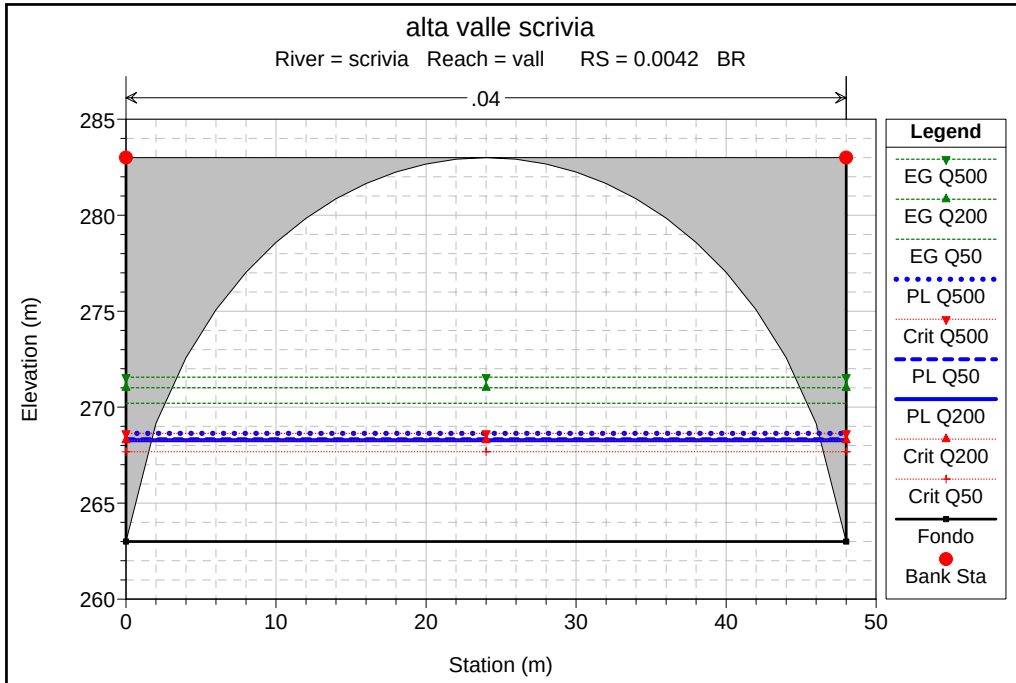

alta valle scrivia
River = scrivia Reach = vall RS = 0.0055
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

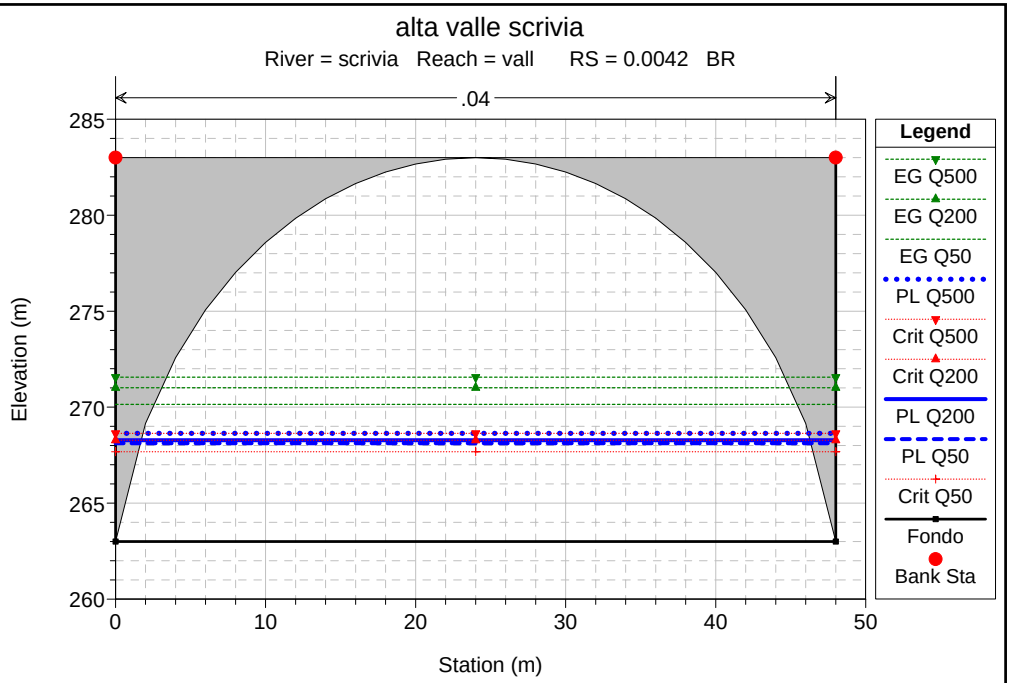

alta valle scrivia
River = scrivia Reach = vall RS = 0.0052 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

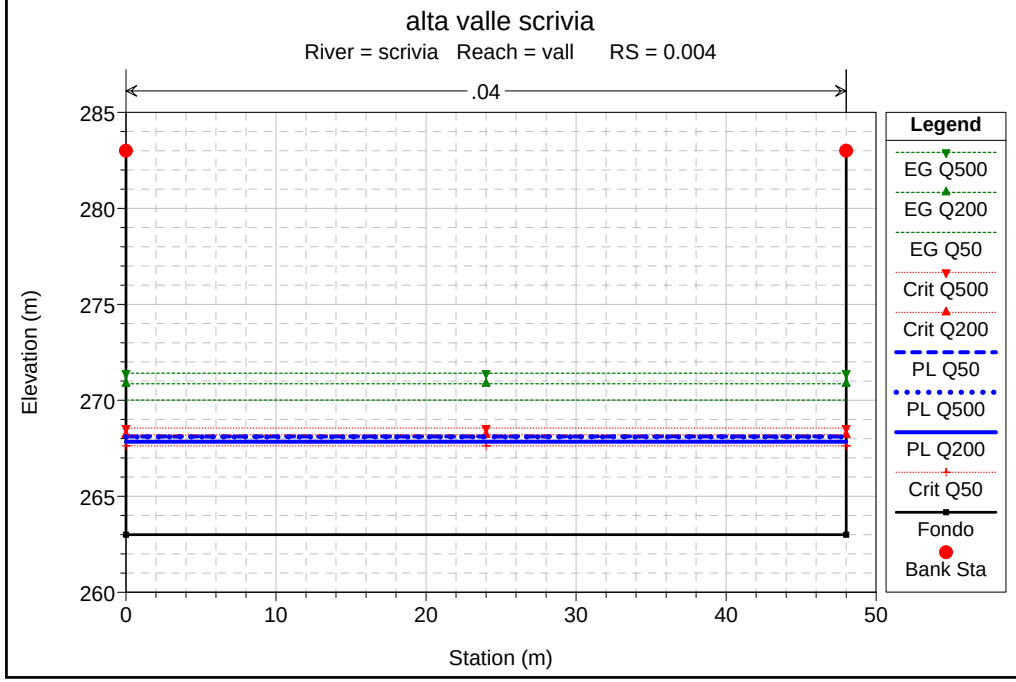

alta valle scrivia
River = scrivia Reach = vall RS = 0.0052 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

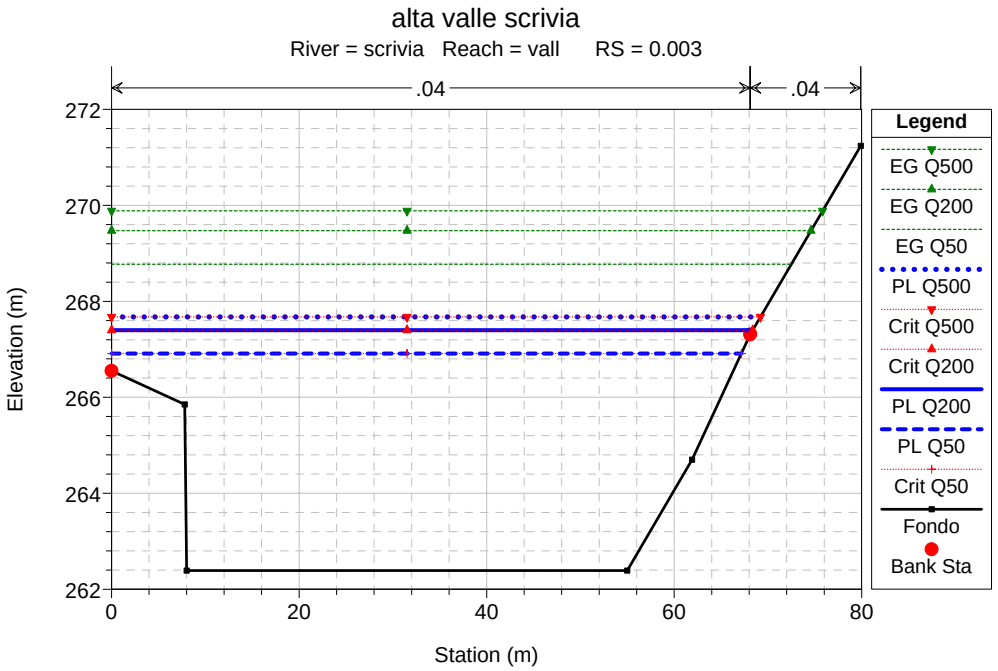

alta valle scrivia
River = scrivia Reach = vall RS = 0.005
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

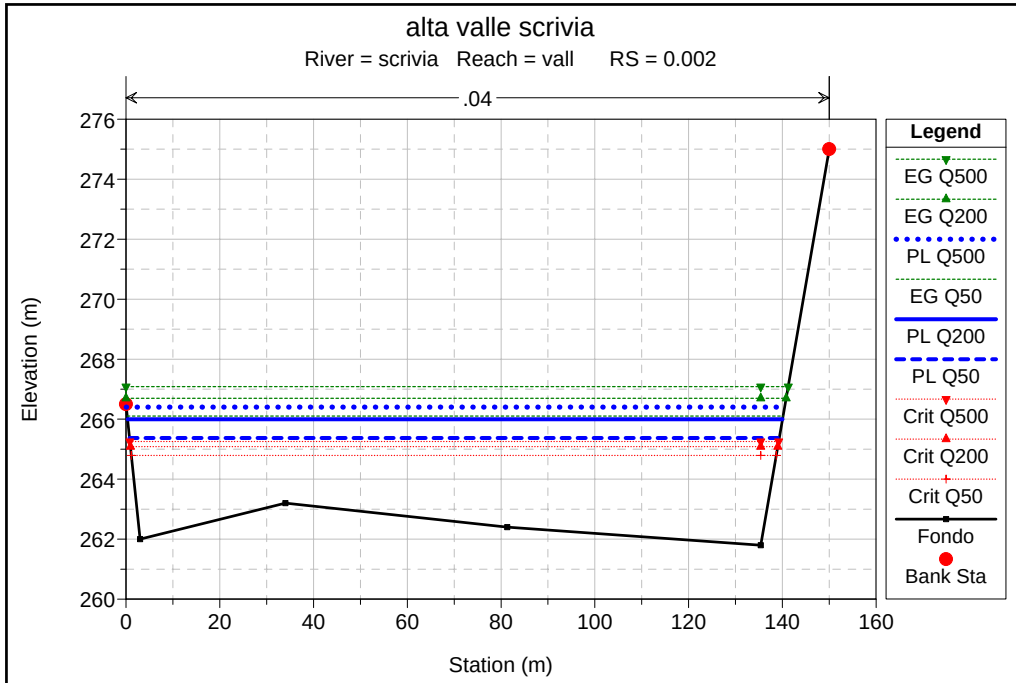

alta valle scrivia
River = scrivia Reach = vall RS = 0.0045
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

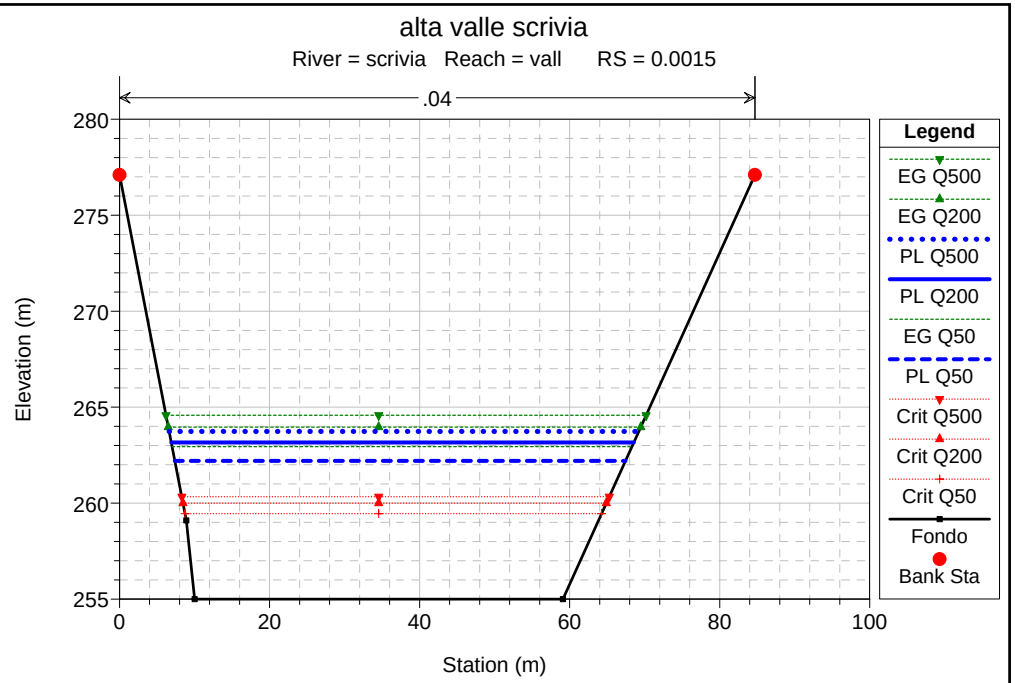

alta valle scrivia
River = scrivia Reach = vall RS = 0.0042 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q50
PL Q200
Crit Q200
Crit Q50
Fondo
Bank Sta

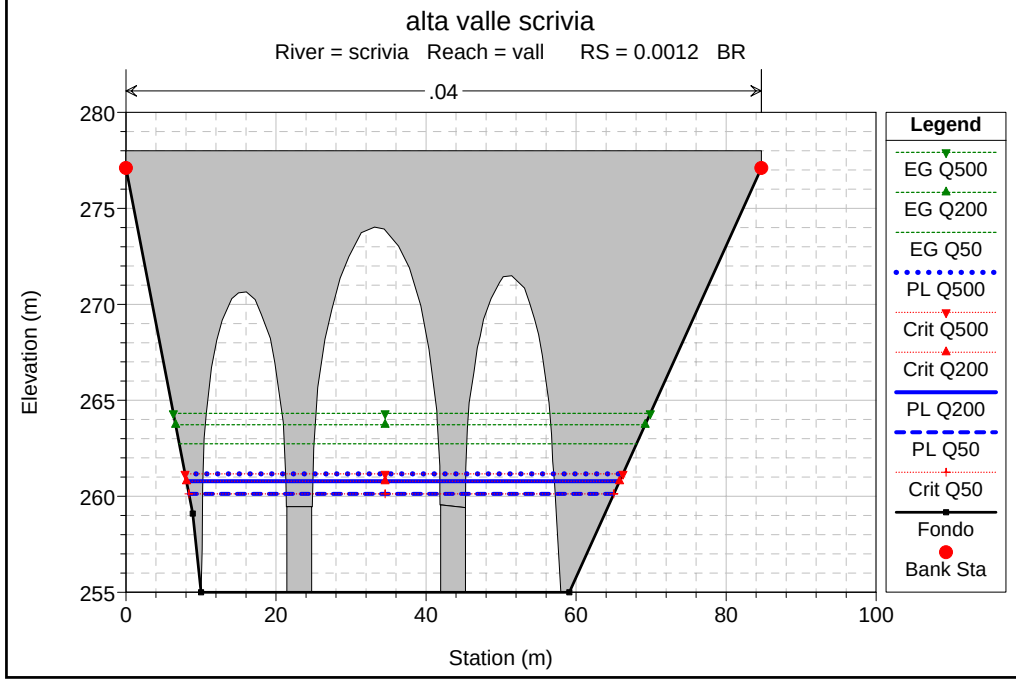

alta valle scrivia
River = scrivia Reach = vall RS = 0.0042 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

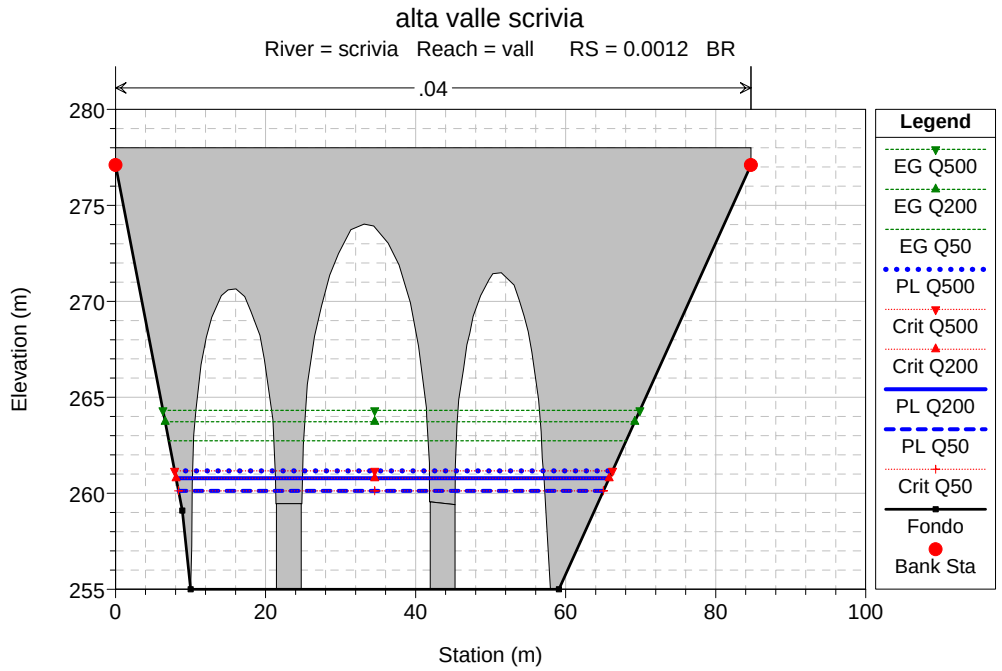

alta valle scrivia
River = scrivia Reach = vall RS = 0.004
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
PL Q500
PL Q200
Crit Q50
Fondo
Bank Sta

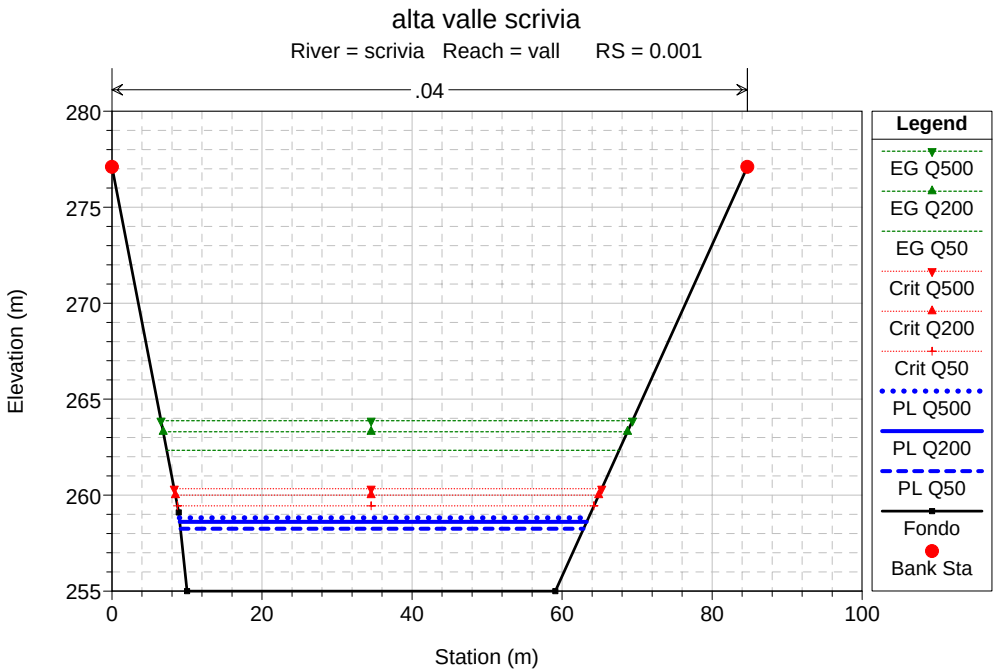

alta valle scrivia
River = scrivia Reach = vall RS = 0.003
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


alta valle scrivia
River = scrivia Reach = vall RS = 0.002
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


alta valle scrivia
River = scrivia Reach = vall RS = 0.0015
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


alta valle scrivia
River = scrivia Reach = vall RS = 0.0012 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


alta valle scrivia
River = scrivia Reach = vall RS = 0.0012 BR
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


alta valle scrivia
River = scrivia Reach = vall RS = 0.001
.04
Elevation (m)
280
275
270
265
260
255
0
20
40
60
80
100
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

HEC-RAS Plan: 06_RevF

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
monte	60	Q50	395.00	452.80	457.37	464.96	7.59	465.00	7.63	456.45	458.19	0.005711	4.02	98.16	27.44	0.68
monte	60	Q200	506.00	452.80	457.94	464.96	7.02	465.00	7.06	457.01	458.94	0.006078	4.43	114.16	28.58	0.71
monte	60	Q500	577.00	452.80	458.26	464.96	6.70	465.00	6.74	457.33	459.37	0.006318	4.67	123.49	29.23	0.73
monte	59	Q50	395.00	452.30	456.22	460.00	3.78	460.00	3.78	456.22	457.62	0.012261	5.24	75.33	27.05	1.00
monte	59	Q200	506.00	452.30	456.77	460.00	3.23	460.00	3.23	456.77	458.35	0.011884	5.57	90.83	28.89	1.00
monte	59	Q500	577.00	452.30	457.10	460.00	2.90	460.00	2.90	457.10	458.78	0.011692	5.75	100.35	29.96	1.00
monte	58	Q50	395.00	451.80	454.50	465.00	10.50	465.00	10.50	455.09	456.50	0.027460	6.27	63.03	33.07	1.45
monte	58	Q200	506.00	451.80	454.81	465.00	10.19	465.00	10.19	455.54	457.21	0.029153	6.86	73.79	35.33	1.51
monte	58	Q500	577.00	451.80	455.00	465.00	10.00	465.00	10.00	455.80	457.62	0.029991	7.18	80.34	36.64	1.55
monte	57	Q50	395.00	449.26	451.17	455.00	3.83	455.00	3.83	451.56	452.43	0.034839	4.97	79.55	72.34	1.51
monte	57	Q200	506.00	449.26	451.35	455.00	3.65	455.00	3.65	451.83	452.85	0.037052	5.41	93.52	78.29	1.58
monte	57	Q500	577.00	449.26	451.46	455.00	3.54	455.00	3.54	451.99	453.10	0.038520	5.68	101.66	81.57	1.62
monte	56	Q50	395.00	446.00	449.31	455.00	5.69	455.00	5.69	448.53	449.57	0.003864	2.28	172.97	96.54	0.54
monte	56	Q200	506.00	446.00	449.70	455.00	5.30	455.00	5.30	448.82	449.99	0.003624	2.37	213.29	107.13	0.54
monte	56	Q500	577.00	446.00	449.93	455.00	5.07	455.00	5.07	448.98	450.23	0.003502	2.42	238.37	113.22	0.53
monte	55	Q50	395.00	445.00	448.17	455.00	6.83	455.00	6.83	447.68	448.66	0.006523	3.12	126.54	65.36	0.72
monte	55	Q200	506.00	445.00	448.50	455.00	6.50	455.00	6.50	448.03	449.08	0.006880	3.39	149.08	70.68	0.75
monte	55	Q500	577.00	445.00	448.68	455.00	6.32	455.00	6.32	448.23	449.32	0.007110	3.55	162.36	73.63	0.76
monte	54	Q50	395.00	443.75	446.50	450.00	3.50	461.00	14.50	446.50	447.26	0.013859	3.86	102.34	67.60	1.00
monte	54	Q200	506.00	443.75	446.81	450.00	3.19	461.00	14.19	446.81	447.65	0.013470	4.06	124.48	74.46	1.00
monte	54	Q500	577.00	443.75	446.99	450.00	3.01	461.00	14.01	446.99	447.88	0.013236	4.17	138.24	78.43	1.00
monte	53	Q50	395.00	441.26	445.57	445.32	-0.25	448.20	2.63	444.79	446.01	0.004241	2.94	136.88	69.13	0.59
monte	53	Q200	506.00	441.26	446.09	445.32	-0.77	448.20	2.11	445.12	446.55	0.003655	3.05	177.09	89.51	0.56
monte	53	Q500	577.00	441.26	446.40	445.32	-1.08	448.20	1.80	445.35	446.86	0.003318	3.08	207.37	106.97	0.54
monte	52	Q50	395.00	441.01	445.60	445.07	-0.53	447.95	2.35	444.53	445.95	0.002950	2.61	157.85	78.42	0.50
monte	52	Q200	506.00	441.01	446.13	445.07	-1.06	447.95	1.82	444.87	446.49	0.002600	2.72	205.71	106.00	0.48
monte	52	Q500	577.00	441.01	446.44	445.07	-1.37	447.95	1.51	445.10	446.80	0.002368	2.74	241.74	123.77	0.47
monte	51.8		Bridge													
monte	51.5	Q50	395.00	441.01	445.51	445.07	-0.44	447.95	2.44	444.53	445.89	0.003305	2.71	150.89	75.55	0.53
monte	51.5	Q200	506.00	441.01	446.04	445.07	-0.97	447.95	1.91	444.87	446.43	0.002898	2.82	196.01	100.68	0.51
monte	51.5	Q500	577.00	441.01	446.35	445.07	-1.28	447.95	1.60	445.10	446.74	0.002614	2.84	231.08	118.78	0.49

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
monte	51.49	Q50	395.00	441.05	445.50	443.35	-2.15	444.97	-0.53	444.21	445.83	0.002076	2.69	165.50	63.65	0.44
monte	51.49	Q200	506.00	441.05	445.97	443.35	-2.62	444.97	-1.00	444.61	446.38	0.002280	3.04	198.69	83.92	0.47
monte	51.49	Q500	577.00	441.05	446.24	443.35	-2.89	444.97	-1.27	444.84	446.69	0.002340	3.21	223.80	101.05	0.48
monte	51.48	Q50	395.00	440.94	445.47	443.35	-2.12	444.08	-1.39	444.13	445.77	0.001875	2.62	173.32	67.67	0.42
monte	51.48	Q200	506.00	440.94	445.93	443.35	-2.58	444.08	-1.85	444.53	446.32	0.002050	2.95	207.93	85.56	0.45
monte	51.48	Q500	577.00	440.94	446.21	443.35	-2.86	444.08	-2.13	444.76	446.63	0.002118	3.13	233.33	102.17	0.46
monte	51.47	Q50	395.00	440.49	444.53	443.05	-1.48	445.74	1.21	444.53	445.58	0.009538	4.73	92.59	45.15	0.90
monte	51.47	Q200	506.00	440.49	444.97	443.05	-1.92	445.74	0.77	444.97	446.11	0.009319	4.99	113.53	49.84	0.90
monte	51.47	Q500	577.00	440.49	445.22	443.05	-2.17	445.74	0.52	445.22	446.42	0.009252	5.14	126.16	52.46	0.91
monte	51.46	Q50	395.00	440.34	442.39	441.78	-0.61	445.19	2.80	443.22	444.81	0.036517	6.93	58.41	37.64	1.64
monte	51.46	Q200	506.00	440.34	442.76	441.78	-0.98	445.19	2.43	443.66	445.38	0.031832	7.26	73.51	44.74	1.57
monte	51.46	Q500	577.00	440.34	442.97	441.78	-1.19	445.19	2.22	443.89	445.69	0.030001	7.45	83.19	49.01	1.54
monte	51.45	Q50	395.00	439.40	442.45	441.40	-1.05	442.22	-0.23	442.45	443.67	0.012901	4.90	80.65	33.44	1.01
monte	51.45	Q200	506.00	439.40	442.90	441.40	-1.50	442.22	-0.68	442.90	444.33	0.012342	5.28	95.77	33.44	1.00
monte	51.45	Q500	577.00	439.40	443.15	441.40	-1.75	442.22	-0.93	443.15	444.72	0.012460	5.55	103.87	33.44	1.01
monte	51.44	Q50	395.00	439.41	441.49	442.32	0.83	441.20	-0.29	441.97	443.22	0.030597	5.83	67.75	43.24	1.49
monte	51.44	Q200	506.00	439.41	441.73	442.32	0.59	441.20	-0.53	442.34	443.86	0.031697	6.46	78.35	43.74	1.54
monte	51.44	Q500	577.00	439.41	441.88	442.32	0.44	441.20	-0.68	442.56	444.24	0.032139	6.81	84.78	44.05	1.57
monte	51.43	Q50	395.00	439.06	442.22	442.23	0.01	442.92	0.70	441.51	442.75	0.004898	3.22	122.67	47.71	0.64
monte	51.43	Q200	506.00	439.06	442.63	442.23	-0.40	442.92	0.29	441.88	443.28	0.005072	3.56	142.21	48.39	0.66
monte	51.43	Q500	577.00	439.06	442.86	442.23	-0.63	442.92	0.06	442.11	443.58	0.005214	3.76	153.41	48.77	0.68
monte	51.42	Q50	395.00	438.02	442.29	442.23	-0.06	442.92	0.63	440.64	442.56	0.001886	2.29	172.71	59.73	0.41
monte	51.42	Q200	506.00	438.02	442.73	442.23	-0.49	442.92	0.20	441.01	443.06	0.002082	2.56	206.45	94.28	0.44
monte	51.42	Q500	577.00	438.02	442.98	442.23	-0.75	442.92	-0.06	441.23	443.35	0.002134	2.69	236.54	132.00	0.45
monte	51.41	Q50	395.00	438.41	442.26	442.02	-0.24	442.42	0.16	440.52	442.46	0.001379	1.99	205.31	103.78	0.35
monte	51.41	Q200	506.00	438.41	442.71	442.02	-0.69	442.42	-0.29	440.84	442.95	0.001437	2.21	258.87	123.80	0.37
monte	51.41	Q500	577.00	438.41	442.97	442.02	-0.95	442.42	-0.55	441.03	443.23	0.001446	2.31	291.68	123.80	0.37
valle1	51.25	Q50	648.00	438.30	441.31	441.84	0.53	442.08	0.77	441.31	442.46	0.012311	4.76	136.21	129.78	1.00
valle1	51.25	Q200	791.00	438.30	441.65	441.84	0.19	442.08	0.43	441.65	442.95	0.011842	5.05	156.61	143.44	1.00
valle1	51.25	Q500	880.00	438.30	441.84	441.84	0.00	442.08	0.24	441.85	443.23	0.011727	5.23	168.21	151.10	1.01
valle1	51.20	Q50	648.00	436.03	438.35	439.90	1.55	439.38	1.03	439.13	440.92	0.039248	7.11	91.16	52.33	1.72
valle1	51.20	Q200	791.00	436.03	438.63	439.90	1.27	439.38	0.75	439.49	441.47	0.036603	7.46	105.99	53.57	1.69

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle1	51.20	Q500	880.00	436.03	438.80	439.90	1.10	439.38	0.58	439.72	441.78	0.035107	7.65	115.10	54.31	1.68
valle1	51.15	Q50	648.00	435.99	439.11	439.25	0.14	439.63	0.52	439.06	440.26	0.011485	4.75	136.36	56.50	0.98
valle1	51.15	Q200	791.00	435.99	439.75	439.25	-0.50	439.63	-0.12	439.70	440.72	0.007466	4.43	215.11	164.61	0.81
valle1	51.15	Q500	880.00	435.99	440.18	439.25	-0.93	439.63	-0.55	439.92	440.97	0.005300	4.08	287.05	165.00	0.70
valle1	51.10	Q50	648.00	435.72	439.34	442.59	3.25	439.24	-0.10	438.41	439.87	0.003927	3.22	209.58	141.71	0.59
valle1	51.10	Q200	791.00	435.72	439.94	442.59	2.65	439.24	-0.70	438.73	440.43	0.003040	3.17	294.02	142.31	0.53
valle1	51.10	Q500	880.00	435.72	440.29	442.59	2.30	439.24	-1.05	438.91	440.76	0.002651	3.13	343.88	142.67	0.51
valle1	51	Q50	648.00	435.31	439.13	440.00	0.87	439.19	0.06	438.12	439.71	0.004092	3.36	193.08	61.65	0.61
valle1	51	Q200	791.00	435.31	439.75	440.00	0.25	439.19	-0.56	438.49	440.30	0.003337	3.33	272.39	138.90	0.56
valle1	51	Q500	880.00	435.31	440.13	440.00	-0.13	439.19	-0.94	438.70	440.64	0.002857	3.26	325.75	140.78	0.53
valle1	50.9	Q50	648.00	434.74	438.50	440.00	1.50	439.11	0.61	438.02	439.53	0.007327	4.50	144.14	44.58	0.80
valle1	50.9	Q200	791.00	434.74	438.91	440.00	1.09	439.11	0.20	438.44	440.12	0.007548	4.86	162.66	45.46	0.82
valle1	50.9	Q500	880.00	434.74	439.15	440.00	0.85	439.11	-0.04	438.68	440.46	0.007669	5.07	174.12	79.03	0.83
valle1	50.8	Q50	648.00	434.02	438.42	440.00	1.58	437.14	-1.28	437.59	439.22	0.004901	3.97	177.60	80.93	0.67
valle1	50.8	Q200	791.00	434.02	438.92	440.00	1.08	437.14	-1.78	437.98	439.77	0.004620	4.16	219.35	86.35	0.66
valle1	50.8	Q500	880.00	434.02	439.22	440.00	0.78	437.14	-2.08	438.40	440.09	0.004444	4.24	245.41	89.57	0.66
valle1	50.7	Q50	648.00	434.13	437.33	440.00	2.67	436.94	-0.39	437.33	438.68	0.011750	5.15	126.49	49.43	0.99
valle1	50.7	Q200	791.00	434.13	437.74	440.00	2.26	436.94	-0.80	437.74	439.25	0.011188	5.47	147.17	53.37	0.99
valle1	50.7	Q500	880.00	434.13	437.98	440.00	2.02	436.94	-1.04	437.98	439.59	0.010778	5.62	160.69	55.79	0.98
valle1	50.6	Q50	648.00	433.99	437.36	438.27	0.91	436.45	-0.91	436.84	438.20	0.006347	4.06	164.45	65.91	0.75
valle1	50.6	Q200	791.00	433.99	437.74	438.27	0.53	436.45	-1.29	437.22	438.70	0.006402	4.38	190.47	71.98	0.77
valle1	50.6	Q500	880.00	433.99	437.00	438.27	1.27	436.45	-0.55	437.46	439.02	0.017667	6.29	141.79	60.13	1.23
valle1	50.5	Q50	648.00	433.81	436.69	437.84	1.15	435.83	-0.86	436.69	437.91	0.011217	4.91	136.80	63.65	0.97
valle1	50.5	Q200	791.00	433.81	437.07	437.84	0.77	435.83	-1.24	437.07	438.42	0.010617	5.18	162.12	69.97	0.97
valle1	50.5	Q500	880.00	433.81	437.58	437.84	0.26	435.83	-1.75	437.30	438.75	0.007668	4.84	199.94	78.46	0.84
valle1	50.01	Q50	648.00	429.92	437.14	441.62	4.48	441.62	4.48	434.02	437.41	0.000982	2.29	282.95	50.73	0.31
valle1	50.01	Q200	791.00	429.92	437.73	441.62	3.89	441.62	3.89	434.39	438.06	0.001077	2.53	312.89	51.07	0.33
valle1	50.01	Q500	880.00	429.92	438.10	441.62	3.52	441.62	3.52	434.62	438.46	0.001115	2.65	331.88	51.28	0.33
valle1	50		Bridge													
valle1	49.99	Q50	648.00	429.92	437.03	441.62	4.59	441.62	4.59	434.02	437.31	0.001043	2.34	277.43	50.67	0.32
valle1	49.99	Q200	791.00	429.92	437.60	441.62	4.02	441.62	4.02	434.40	437.94	0.001150	2.58	306.19	50.99	0.34

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle1	49.99	Q500	880.00	429.92	437.96	441.62	3.66	441.62	3.66	434.62	438.33	0.001193	2.71	324.54	51.19	0.34
valle1	49.6	Q50	648.00	432.34	436.45	437.61	1.16	435.87	-0.58	435.65	437.10	0.005355	3.58	180.79	64.29	0.68
valle1	49.6	Q200	791.00	432.34	437.11	437.61	0.50	435.87	-1.24	436.08	437.74	0.004282	3.52	224.85	68.96	0.62
valle1	49.6	Q500	880.00	432.34	437.54	437.61	0.07	435.87	-1.67	436.29	438.14	0.003713	3.45	255.00	71.98	0.59
valle1	49.4	Q50	648.00	431.82	436.27	435.91	-0.36	436.19	-0.08	435.31	436.80	0.004041	3.25	204.33	70.34	0.59
valle1	49.4	Q200	791.00	431.82	436.99	435.91	-1.08	436.19	-0.80	435.67	437.50	0.002980	3.19	255.15	70.34	0.52
valle1	49.4	Q500	880.00	431.82	437.43	435.91	-1.52	436.19	-1.24	435.88	437.93	0.002553	3.17	286.50	70.34	0.49
valle1	49.2	Q50	648.00	431.22	436.20	435.67	-0.53	436.06	-0.14	434.49	436.64	0.002342	2.94	220.46	53.34	0.46
valle1	49.2	Q200	791.00	431.22	436.90	435.67	-1.23	436.06	-0.84	434.86	437.38	0.002136	3.07	257.90	53.34	0.45
valle1	49.2	Q500	880.00	431.22	437.34	435.67	-1.67	436.06	-1.28	435.07	437.84	0.002021	3.13	281.15	53.34	0.44
valle1	49.01	Q50	648.00	430.35	435.46	435.22	-0.24	436.90	1.44	434.47	436.43	0.005563	4.38	148.11	34.75	0.68
valle1	49.01	Q200	791.00	430.35	436.05	435.22	-0.83	436.90	0.85	434.94	437.17	0.005566	4.69	168.82	34.75	0.68
valle1	49.01	Q500	880.00	430.35	436.44	435.22	-1.22	436.90	0.46	435.21	437.63	0.005463	4.83	182.31	34.75	0.67
valle1	49		Bridge													
valle1	48.99	Q50	648.00	430.35	434.47	435.22	0.75	436.90	2.43	434.47	436.12	0.012545	5.70	113.76	34.58	1.00
valle1	48.99	Q200	791.00	430.35	434.94	435.22	0.28	436.90	1.96	434.94	436.82	0.012346	6.08	130.08	34.69	1.00
valle1	48.99	Q500	880.00	430.35	435.22	435.22	0.00	436.90	1.68	435.22	437.24	0.012261	6.30	139.74	34.75	1.00
valle1	48.9	Q50	648.00	430.59	434.50	434.53	0.03	433.09	-1.41	433.91	435.37	0.006431	4.14	156.47	49.77	0.75
valle1	48.9	Q200	791.00	430.59	433.67	434.53	0.86	433.09	-0.58	434.29	436.04	0.024164	6.81	116.12	48.12	1.40
valle1	48.9	Q500	880.00	430.59	433.81	434.53	0.72	433.09	-0.72	434.52	436.43	0.025147	7.17	122.75	48.40	1.44
valle1	48	Q50	648.00	425.14	429.48	451.70	22.22	433.77	4.29	429.48	431.11	0.012206	5.65	114.63	35.54	1.00
valle1	48	Q200	791.00	425.14	429.97	451.70	21.73	433.77	3.80	429.97	431.80	0.011920	5.98	132.19	36.54	1.00
valle1	48	Q500	880.00	425.14	430.31	451.70	21.39	433.77	3.46	430.31	432.19	0.011740	6.07	144.87	38.70	1.00
valle1	47	Q50	648.00	418.99	424.43	429.08	4.65	430.61	6.18	423.29	425.36	0.004876	4.27	151.68	35.96	0.66
valle1	47	Q200	791.00	418.99	424.99	429.08	4.09	430.61	5.62	423.81	426.07	0.005037	4.59	172.18	37.23	0.68
valle1	47	Q500	880.00	418.99	425.31	429.08	3.77	430.61	5.30	424.11	426.48	0.005132	4.78	184.24	37.96	0.69
valle1	46	Q50	648.00	416.96	421.38	426.21	4.83	431.16	9.78	420.85	422.48	0.007131	4.65	139.30	39.97	0.80
valle1	46	Q200	791.00	416.96	421.86	426.21	4.35	431.16	9.30	421.30	423.12	0.007187	4.99	158.63	40.94	0.81
valle1	46	Q500	880.00	416.96	422.14	426.21	4.07	431.16	9.02	421.57	423.50	0.007189	5.17	170.34	41.52	0.81
valle1	45	Q50	648.00	415.87	420.44	424.71	4.27	428.45	8.01	420.19	421.71	0.009414	5.00	129.66	40.69	0.89
valle1	45	Q200	791.00	415.87	420.84	424.71	3.87	428.45	7.61	420.62	422.33	0.009743	5.42	145.93	41.27	0.92

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle1	45	Q500	880.00	415.87	421.07	424.71	3.64	428.45	7.38	420.88	422.70	0.009942	5.66	155.41	41.60	0.94
valle1	44	Q50	783.00	414.45	419.24	422.74	3.50	423.16	3.92	418.39	420.01	0.004966	3.87	202.11	59.34	0.67
valle1	44	Q200	953.00	414.45	419.70	422.74	3.04	423.16	3.46	418.79	420.58	0.004945	4.15	229.42	60.11	0.68
valle1	44	Q500	1058.00	414.45	419.96	422.74	2.78	423.16	3.20	419.01	420.91	0.004963	4.32	245.05	60.54	0.69
valle1	43	Q50	783.00	413.27	418.09	426.99	8.90	428.26	10.17	416.92	418.71	0.004018	3.49	224.37	64.74	0.60
valle1	43	Q200	953.00	413.27	418.58	426.99	8.41	428.26	9.68	417.33	419.28	0.003991	3.72	256.36	66.56	0.60
valle1	43	Q500	1058.00	413.27	418.85	426.99	8.14	428.26	9.41	417.56	419.60	0.004000	3.86	274.22	67.20	0.61
valle1	42.8		Bridge													
valle1	42.5	Q50	783.00	413.27	417.82	427.94	10.12	428.26	10.44	416.92	418.55	0.005047	3.78	207.18	63.10	0.67
valle1	42.5	Q200	953.00	413.27	418.29	427.94	9.65	428.26	9.97	417.33	419.11	0.005053	4.01	237.49	65.88	0.67
valle1	42.5	Q500	1058.00	413.27	418.55	427.94	9.39	428.26	9.71	417.56	419.43	0.005051	4.16	254.18	66.48	0.68
valle1	42	Q50	783.00	409.03	413.20	416.80	3.60	416.98	3.78	413.20	414.65	0.011635	5.33	146.88	50.80	1.00
valle1	42	Q200	953.00	409.03	413.70	416.80	3.10	416.98	3.28	413.70	415.22	0.011592	5.45	174.83	58.33	1.01
valle1	42	Q500	1058.00	409.03	413.92	416.80	2.88	416.98	3.06	413.92	415.54	0.011484	5.64	187.48	58.82	1.01
valle1	41	Q50	783.00	405.54	410.60	414.77	4.17	413.50	2.90	408.73	411.03	0.002122	2.91	268.95	62.37	0.45
valle1	41	Q200	953.00	405.54	411.18	414.77	3.59	413.50	2.32	409.10	411.67	0.002120	3.12	305.30	63.15	0.45
valle1	41	Q500	1058.00	405.54	411.52	414.77	3.25	413.50	1.98	409.32	412.05	0.002114	3.24	326.95	63.60	0.46
valle1	40.8		Bridge													
valle1	40.5	Q50	783.00	405.54	407.89	414.77	6.88	413.50	5.61	408.73	410.72	0.041905	7.45	105.06	58.19	1.77
valle1	40.5	Q200	953.00	405.54	408.16	414.77	6.61	413.50	5.34	409.10	411.34	0.039923	7.90	120.62	58.86	1.76
valle1	40.5	Q500	1058.00	405.54	408.31	414.77	6.46	413.50	5.19	409.31	411.70	0.039016	8.15	129.74	59.25	1.76
valle1	40.4	Q50	783.00	404.90	406.53	413.37	6.84	412.10	5.57	407.66	410.57	0.075529	8.90	87.97	58.30	2.31
valle1	40.4	Q200	953.00	404.90	406.78	413.37	6.59	412.10	5.32	408.03	411.19	0.068482	9.30	102.48	58.93	2.25
valle1	40.4	Q500	1058.00	404.90	406.93	413.37	6.44	412.10	5.17	408.25	411.55	0.065211	9.53	111.07	59.30	2.22
valle1	40	Q50	783.00	405.04	408.26	410.39	2.13	410.63	2.37	407.79	408.96	0.006515	3.70	211.50	83.47	0.74
valle1	40	Q200	953.00	405.04	408.37	410.39	2.02	410.63	2.26	408.08	409.32	0.008376	4.31	221.03	83.72	0.85
valle1	40	Q500	1058.00	405.04	408.43	410.39	1.96	410.63	2.20	408.26	409.55	0.009578	4.68	226.25	83.86	0.91
valle1	39	Q50	783.00	402.15	406.33	405.62	-0.71	405.77	-0.56	405.81	406.76	0.005173	2.90	272.52	143.61	0.65
valle1	39	Q200	953.00	402.15	406.84	405.62	-1.22	405.77	-1.07	406.03	407.24	0.003586	2.80	348.74	155.01	0.56
valle1	39	Q500	1058.00	402.15	407.14	405.62	-1.52	405.77	-1.37	406.15	407.52	0.002997	2.76	396.73	161.78	0.52

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle1	38.6	Q50	783.00	401.20	406.19	403.50	-2.69	403.58	-2.61	404.37	406.59	0.002037	2.80	279.16	65.35	0.43
valle1	38.6	Q200	953.00	401.20	406.58	403.50	-3.08	403.58	-3.00	404.71	407.08	0.002288	3.13	304.65	65.35	0.46
valle1	38.6	Q500	1058.00	401.20	406.81	403.50	-3.31	403.58	-3.23	404.91	407.37	0.002424	3.31	319.60	65.35	0.48
valle2	38.5	Q50	1062.00	400.02	404.10	403.50	-0.60	402.66	-1.44	403.20	404.64	0.003977	3.23	328.29	108.80	0.59
valle2	38.5	Q200	1283.00	400.02	404.42	403.50	-0.92	402.66	-1.76	403.51	405.06	0.004173	3.53	363.31	108.80	0.62
valle2	38.5	Q500	1421.00	400.02	404.61	403.50	-1.11	402.66	-1.95	403.67	405.31	0.004295	3.71	383.43	108.80	0.63
valle2	38	Q50	1062.00	399.39	401.87	404.33	2.46	405.17	3.30	401.87	402.84	0.012704	4.37	243.18	125.19	1.00
valle2	38	Q200	1283.00	399.39	402.14	404.33	2.19	405.17	3.03	402.14	403.23	0.012264	4.63	277.21	127.12	1.00
valle2	38	Q500	1421.00	399.39	402.30	404.33	2.03	405.17	2.87	402.30	403.46	0.012017	4.78	297.30	127.78	1.00
valle2	37.7	Q50	1062.00	396.68	399.78	401.14	1.36	401.37	1.59	398.70	400.03	0.002291	2.20	482.80	190.30	0.44
valle2	37.7	Q200	1283.00	396.68	400.14	401.14	1.00	401.37	1.23	398.90	400.42	0.002171	2.33	551.29	191.38	0.44
valle2	37.7	Q500	1421.00	396.68	400.36	401.14	0.78	401.37	1.01	399.02	400.65	0.002113	2.40	592.03	192.02	0.44
valle2	37.6	Q50	1062.00	395.78	399.23	400.24	1.01	401.42	2.19	398.48	399.66	0.004106	2.88	368.34	150.46	0.59
valle2	37.6	Q200	1283.00	395.78	399.60	400.24	0.64	401.42	1.82	398.72	400.06	0.003841	3.03	423.20	152.15	0.58
valle2	37.6	Q500	1421.00	395.78	399.81	400.24	0.43	401.42	1.61	398.87	400.30	0.003730	3.12	455.32	153.13	0.58
valle2	37.5	Q50	1062.00	395.40	399.11	400.80	1.69	401.59	2.48	397.82	399.42	0.002220	2.45	433.91	140.79	0.45
valle2	37.5	Q200	1283.00	395.40	399.48	400.80	1.32	401.59	2.11	398.05	399.83	0.002254	2.65	484.90	141.03	0.46
valle2	37.5	Q500	1421.00	395.40	399.69	400.80	1.11	401.59	1.90	398.20	400.07	0.002281	2.76	514.35	141.16	0.46
valle2	37.4	Q50	1062.00	394.99	398.89	399.53	0.64	401.94	3.05	397.37	399.22	0.002207	2.55	416.79	125.91	0.45
valle2	37.4	Q200	1283.00	394.99	399.23	399.53	0.30	401.94	2.71	397.64	399.62	0.002443	2.79	459.66	130.66	0.48
valle2	37.4	Q500	1421.00	394.99	399.42	399.53	0.11	401.94	2.52	397.81	399.86	0.002574	2.93	485.19	133.40	0.49
valle2	37.3	Q50	1062.00	394.99	398.28	398.98	0.70	400.15	1.87	397.74	398.84	0.005878	3.32	319.48	136.60	0.69
valle2	37.3	Q200	1283.00	394.99	398.56	398.98	0.42	400.15	1.59	398.00	399.21	0.006038	3.58	358.10	139.43	0.71
valle2	37.3	Q500	1421.00	394.99	398.72	398.98	0.26	400.15	1.43	398.15	399.43	0.006145	3.73	380.60	141.05	0.73
valle2	37.2	Q50	1062.00	394.97	397.20	398.16	0.96	402.62	5.42	397.20	398.12	0.013343	4.25	249.80	137.14	1.01
valle2	37.2	Q200	1283.00	394.97	397.45	398.16	0.71	402.62	5.17	397.45	398.49	0.012822	4.52	283.85	137.66	1.00
valle2	37.2	Q500	1421.00	394.97	397.62	398.16	0.54	402.62	5.00	397.62	398.70	0.012567	4.62	307.59	142.14	1.00
valle2	37.1	Q50	1062.00	394.86	397.03	402.70	5.67	402.86	5.83	396.52	397.52	0.005690	3.11	341.99	157.50	0.67
valle2	37.1	Q200	1283.00	394.86	397.32	402.70	5.38	402.86	5.54	396.75	397.88	0.005492	3.31	387.72	157.50	0.67
valle2	37.1	Q500	1421.00	394.86	397.49	402.70	5.21	402.86	5.37	396.88	398.09	0.005400	3.43	414.66	157.50	0.67
valle2	37.092		Bridge													

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle2	37.091	Q50	1062.00	394.86	396.27	402.70	6.43	402.86	6.59	396.52	397.44	0.023997	4.80	221.23	157.50	1.29
valle2	37.091	Q200	1283.00	394.86	396.45	402.70	6.25	402.86	6.41	396.75	397.79	0.023110	5.11	250.86	157.50	1.29
valle2	37.091	Q500	1421.00	394.86	396.56	402.70	6.14	402.86	6.30	396.88	397.99	0.022661	5.29	268.44	157.50	1.29
valle2	37.09	Q50	1062.00	391.75	395.70	399.59	3.89	399.60	3.90	393.41	395.85	0.000796	1.71	622.33	157.50	0.27
valle2	37.09	Q200	1283.00	391.75	396.43	399.59	3.16	399.60	3.17	393.64	396.58	0.000670	1.74	736.69	157.50	0.26
valle2	37.09	Q500	1421.00	391.75	396.91	399.59	2.68	399.60	2.69	393.77	397.06	0.000598	1.75	812.35	157.50	0.25
valle2	37	Q50	1062.00	388.39	394.68	397.87	3.19	396.34	1.66	392.64	395.18	0.002129	3.13	339.45	71.28	0.46
valle2	37	Q200	1283.00	388.39	395.45	397.87	2.42	396.34	0.89	393.03	395.99	0.001947	3.25	395.27	72.85	0.44
valle2	37	Q500	1421.00	388.39	395.98	397.87	1.89	396.34	0.36	393.27	396.52	0.001834	3.27	435.43	85.79	0.44
valle2	36.9		Bridge													
valle2	36.8	Q50	1062.00	388.39	394.58	397.87	3.29	396.34	1.76	392.64	395.10	0.002275	3.20	332.25	71.08	0.47
valle2	36.8	Q200	1283.00	388.39	395.28	397.87	2.59	396.34	1.06	393.03	395.85	0.002146	3.35	382.74	72.42	0.47
valle2	36.8	Q500	1421.00	388.39	395.72	397.87	2.15	396.34	0.62	393.27	396.32	0.002086	3.43	414.63	75.09	0.46
valle2	36.75	Q50	1062.00	388.04	394.22	391.31	-2.91	397.70	3.48	391.98	394.63	0.001590	2.90	385.52	85.56	0.41
valle2	36.75	Q200	1283.00	388.04	394.97	391.31	-3.66	397.70	2.73	392.43	395.41	0.001447	3.00	450.33	86.14	0.39
valle2	36.75	Q500	1421.00	388.04	395.43	391.31	-4.12	397.70	2.27	392.73	395.88	0.001369	3.05	490.14	86.49	0.39
valle2	36.74	Q50	1062.00	387.37	394.13	395.50	1.37	395.55	1.42	391.07	394.47	0.001192	2.59	410.70	71.01	0.34
valle2	36.74	Q200	1283.00	387.37	394.87	395.50	0.63	395.55	0.68	391.46	395.26	0.001194	2.77	463.92	71.99	0.35
valle2	36.74	Q500	1421.00	387.37	395.33	395.50	0.17	395.55	0.22	391.70	395.75	0.001187	2.86	496.90	72.62	0.35
valle2	36.73	Q50	1062.00	387.30	393.97	395.50	1.53	395.60	1.63	391.23	394.38	0.001558	2.82	376.14	70.85	0.39
valle2	36.73	Q200	1283.00	387.30	394.72	395.50	0.78	395.60	0.88	391.66	395.17	0.001548	2.98	430.54	73.71	0.39
valle2	36.73	Q500	1421.00	387.30	395.18	395.50	0.32	395.60	0.42	391.92	395.65	0.001497	3.06	464.52	73.82	0.39
valle2	36.72	Q50	1062.00	386.58	393.91	395.20	1.29	396.29	2.38	390.68	394.30	0.001309	2.74	387.27	66.04	0.36
valle2	36.72	Q200	1283.00	386.58	394.65	395.20	0.55	396.29	1.64	391.12	395.09	0.001333	2.94	436.59	67.30	0.37
valle2	36.72	Q500	1421.00	386.58	395.11	395.20	0.09	396.29	1.18	391.35	395.58	0.001333	3.04	467.54	68.07	0.37
valle2	36.71	Q50	1062.00	386.50	393.83	395.10	1.27	397.19	3.36	390.56	394.24	0.001290	2.83	375.47	62.87	0.37
valle2	36.71	Q200	1283.00	386.50	394.56	395.10	0.54	397.19	2.63	391.04	395.03	0.001327	3.04	421.79	63.81	0.38
valle2	36.71	Q500	1421.00	386.50	395.01	395.10	0.09	397.19	2.18	391.33	395.52	0.001337	3.15	450.80	64.52	0.38
valle2	36.7	Q50	1062.00	386.12	393.20	394.20	1.00	397.12	3.92	391.37	394.09	0.003441	4.19	253.58	48.66	0.59
valle2	36.7	Q200	1283.00	386.12	393.85	394.20	0.35	397.12	3.27	391.97	394.87	0.003550	4.49	285.61	49.84	0.60
valle2	36.7	Q500	1421.00	386.12	394.26	394.20	-0.06	397.12	2.86	392.30	395.36	0.003548	4.64	306.56	50.60	0.60

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle2	36.6	Q50	1062.00	386.50	392.98	393.60	0.62	397.58	4.60	391.54	394.02	0.004248	4.51	235.54	46.52	0.64
valle2	36.6	Q200	1283.00	386.50	393.60	393.60	0.00	397.58	3.98	392.11	394.80	0.004410	4.84	264.84	47.95	0.66
valle2	36.6	Q500	1421.00	386.50	394.01	393.60	-0.41	397.58	3.57	392.44	395.28	0.004390	4.99	284.56	48.67	0.66
valle2	36.5	Q50	1062.00	386.50	392.99	393.60	0.61	397.62	4.63	391.23	393.86	0.003408	4.13	256.84	49.37	0.58
valle2	36.5	Q200	1283.00	386.50	393.62	393.60	-0.02	397.62	4.00	391.78	394.63	0.003533	4.45	288.51	50.74	0.60
valle2	36.5	Q500	1421.00	386.50	394.04	393.60	-0.44	397.62	3.58	392.11	395.11	0.003509	4.59	309.71	51.24	0.60
valle2	36.4	Q50	1062.00	386.50	392.53	393.30	0.77	397.56	5.03	391.50	393.71	0.005276	4.80	221.38	47.77	0.71
valle2	36.4	Q200	1283.00	386.50	393.13	393.30	0.17	397.56	4.43	392.05	394.47	0.005369	5.12	250.35	49.26	0.73
valle2	36.4	Q500	1421.00	386.50	393.56	393.30	-0.26	397.56	4.00	392.37	394.95	0.005145	5.23	272.01	52.30	0.72
valle2	36.3	Q50	1062.00	386.50	392.61	393.70	1.09	397.24	4.63	391.35	393.62	0.004395	4.46	237.87	50.75	0.66
valle2	36.3	Q200	1283.00	386.50	393.23	393.70	0.47	397.24	4.01	391.88	394.38	0.004450	4.76	269.66	52.48	0.67
valle2	36.3	Q500	1421.00	386.50	393.66	393.70	0.04	397.24	3.58	392.20	394.86	0.004296	4.85	292.88	53.71	0.66
valle2	36.2	Q50	1062.00	386.40	392.51	393.80	1.29	397.30	4.79	391.26	393.52	0.004435	4.45	238.76	51.29	0.66
valle2	36.2	Q200	1283.00	386.40	393.13	393.80	0.67	397.30	4.17	391.79	394.27	0.004472	4.73	270.99	53.08	0.67
valle2	36.2	Q500	1421.00	386.40	393.58	393.80	0.22	397.30	3.72	392.10	394.76	0.004293	4.82	294.87	54.37	0.66
valle2	36.1	Q50	1062.00	386.40	392.19	395.90	3.71	397.74	5.55	391.06	393.38	0.005223	4.84	219.39	44.46	0.70
valle2	36.1	Q200	1283.00	386.40	392.68	395.90	3.22	397.74	5.06	391.61	394.12	0.005729	5.32	241.21	45.07	0.73
valle2	36.1	Q500	1421.00	386.40	393.06	395.90	2.84	397.74	4.68	391.94	394.60	0.005689	5.49	258.86	45.56	0.74
valle2	36.09		Bridge													
valle2	36.08	Q50	1062.00	386.40	391.66	395.90	4.24	396.80	5.14	391.06	393.15	0.007347	5.42	196.02	43.80	0.82
valle2	36.08	Q200	1283.00	386.40	391.06	395.90	4.84	396.80	5.74	391.61	393.96	0.016508	7.54	170.20	43.05	1.21
valle2	36.08	Q500	1421.00	386.40	391.36	395.90	4.54	396.80	5.44	391.94	394.43	0.016263	7.77	182.84	43.42	1.21
valle2	36	Q50	1062.00	385.85	390.70	393.62	2.92	394.82	4.12	389.97	391.08	0.004289	2.71	391.30	180.21	0.59
valle2	36	Q200	1283.00	385.85	390.99	393.62	2.63	394.82	3.83	390.24	391.41	0.004182	2.89	443.31	181.84	0.59
valle2	36	Q500	1421.00	385.85	391.12	393.62	2.50	394.82	3.70	390.37	391.59	0.004322	3.04	467.50	182.58	0.61
valle2	35	Q50	1062.00	383.26	388.82	393.56	4.74	393.78	4.96	387.83	389.63	0.009233	3.98	266.53	122.45	0.86
valle2	35	Q200	1283.00	383.26	389.35	393.56	4.21	393.78	4.43	388.91	390.07	0.008151	3.78	339.78	154.40	0.81
valle2	35	Q500	1421.00	383.26	389.63	393.56	3.93	393.78	4.15	389.15	390.33	0.006874	3.70	383.63	157.80	0.76
valle2	34	Q50	1062.00	383.73	388.45	392.88	4.43	393.48	5.03	387.19	388.85	0.002926	2.80	379.54	125.51	0.51
valle2	34	Q200	1283.00	383.73	388.97	392.88	3.91	393.48	4.51	387.50	389.39	0.002659	2.88	446.00	131.55	0.50
valle2	34	Q500	1421.00	383.73	389.28	392.88	3.60	393.48	4.20	387.68	389.71	0.002508	2.92	487.24	134.64	0.49

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle2	33.8		Bridge													
valle2	33.5	Q50	1062.00	383.73	387.92	392.88	4.96	393.48	5.56	387.19	388.50	0.005061	3.37	314.80	118.71	0.66
valle2	33.5	Q200	1283.00	383.73	388.34	392.88	4.54	393.48	5.14	387.50	388.97	0.004766	3.51	365.53	124.07	0.65
valle2	33.5	Q500	1421.00	383.73	388.60	392.88	4.28	393.48	4.88	387.68	389.25	0.004567	3.57	397.86	127.36	0.65
valle2	33	Q50	1062.00	380.00	387.21	386.60	-0.61	385.00	-2.21	385.29	387.48	0.001806	2.30	469.12	169.56	0.41
valle2	33	Q200	1283.00	380.00	387.78	386.60	-1.18	385.00	-2.78	385.73	388.06	0.001485	2.33	573.76	193.80	0.38
valle2	33	Q500	1421.00	380.00	388.12	386.60	-1.52	385.00	-3.12	385.94	388.39	0.001349	2.34	640.24	207.72	0.37
valle2	32.5	Q50	1062.00	380.00	386.19	385.00	-1.19	385.00	-1.19	384.66	386.79	0.002769	3.46	318.71	97.66	0.53
valle2	32.5	Q200	1283.00	380.00	386.85	385.00	-1.85	385.00	-1.85	385.10	387.47	0.002403	3.55	388.49	112.51	0.51
valle2	32.5	Q500	1421.00	380.00	387.21	385.00	-2.21	385.00	-2.21	385.37	387.85	0.002267	3.61	430.44	120.48	0.50
valle2	32	Q50	1062.00	378.32	385.16	386.41	1.25	397.09	11.93	383.79	385.87	0.003776	3.73	284.90	71.68	0.60
valle2	32	Q200	1283.00	378.32	385.91	386.41	0.50	397.09	11.18	384.19	386.62	0.003829	3.72	344.77	88.42	0.60
valle2	32	Q500	1421.00	378.32	386.33	386.41	0.08	397.09	10.76	384.46	387.03	0.003752	3.71	383.52	97.73	0.60
valle2	31.5	Q50	1062.00	377.25	383.83	381.11	-2.72	380.38	-3.45	382.62	384.91	0.004648	4.64	236.37	59.43	0.66
valle2	31.5	Q200	1283.00	377.25	384.45	381.11	-3.34	380.38	-4.07	383.11	385.65	0.004560	4.92	274.32	63.54	0.66
valle2	31.5	Q500	1421.00	377.25	384.77	381.11	-3.66	380.38	-4.39	383.54	386.06	0.004597	5.11	295.41	65.71	0.66
valle2	31.4	Q50	1062.00	377.20	384.31	380.72	-3.59	381.91	-2.40	381.20	384.69	0.001209	2.78	401.95	81.06	0.35
valle2	31.4	Q200	1283.00	377.20	384.97	380.72	-4.25	381.91	-3.06	381.65	385.41	0.001239	2.99	456.51	83.77	0.36
valle2	31.4	Q500	1421.00	377.20	385.32	380.72	-4.60	381.91	-3.41	381.91	385.80	0.001292	3.14	487.57	92.50	0.37
valle2	31.3	Q50	1062.00	376.96	384.32	381.65	-2.67	382.26	-2.06	381.31	384.67	0.001236	2.65	409.07	78.39	0.35
valle2	31.3	Q200	1283.00	376.96	384.98	381.65	-3.33	382.26	-2.72	381.79	385.39	0.001261	2.87	462.04	84.00	0.36
valle2	31.3	Q500	1421.00	376.96	385.34	381.65	-3.69	382.26	-3.08	382.09	385.78	0.001282	2.99	492.21	84.00	0.37
valle2	31	Q50	1062.00	377.81	382.00	383.91	1.91	383.64	1.64	382.00	383.73	0.012829	5.83	182.21	52.87	1.00
valle2	31	Q200	1283.00	377.81	382.47	383.91	1.44	383.64	1.17	382.47	384.42	0.012594	6.19	207.22	53.81	1.01
valle2	31	Q500	1421.00	377.81	382.90	383.91	1.01	383.64	0.74	382.90	384.81	0.012313	6.13	231.78	60.71	1.00
valle2	30.4	Q50	1062.00	376.80	379.10	385.03	5.93	385.49	6.39	380.46	383.46	0.050345	9.25	114.86	52.02	1.99
valle2	30.4	Q200	1283.00	376.80	379.47	385.03	5.56	385.49	6.02	380.91	384.14	0.044999	9.57	134.01	52.50	1.91
valle2	30.4	Q500	1421.00	376.80	379.69	385.03	5.34	385.49	5.80	381.15	384.52	0.043740	9.73	146.07	54.71	1.90
valle2	30.3	Q50	1062.00	375.45	377.52	383.68	6.16	384.14	6.62	379.11	382.97	0.071983	10.34	102.70	51.71	2.34
valle2	30.3	Q200	1283.00	375.45	377.85	383.68	5.83	384.14	6.29	379.55	383.68	0.064041	10.70	119.92	52.15	2.25
valle2	30.3	Q500	1421.00	375.45	378.06	383.68	5.62	384.14	6.08	379.80	384.07	0.059621	10.86	130.80	52.42	2.20

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle2	30.2	Q50	1062.00	375.45	377.61	383.68	6.07	384.14	6.53	379.11	382.60	0.062672	9.90	107.25	51.83	2.20
valle2	30.2	Q200	1283.00	375.45	377.94	383.68	5.74	384.14	6.20	379.55	383.35	0.056882	10.31	124.48	52.26	2.13
valle2	30.2	Q500	1421.00	375.45	378.15	383.68	5.54	384.14	6.00	379.80	383.76	0.053607	10.50	135.38	52.67	2.09
valle2	30.1	Q50	1062.00	371.74	378.92	383.68	4.76	384.16	5.24	375.41	379.34	0.001606	2.87	370.56	63.64	0.38
valle2	30.1	Q200	1283.00	371.74	379.72	383.68	3.96	384.16	4.44	375.90	380.19	0.001579	3.04	422.07	65.14	0.38
valle2	30.1	Q500	1421.00	371.74	380.22	383.68	3.47	384.16	3.94	376.19	380.71	0.001544	3.12	454.80	65.99	0.38
valle2	30	Q50	1062.00	372.63	377.26	383.68	6.42	384.14	6.88	377.01	378.89	0.009586	5.67	187.46	47.57	0.91
valle2	30	Q200	1283.00	372.63	378.36	383.68	5.32	384.14	5.78	377.53	379.80	0.006578	5.32	240.96	49.50	0.77
valle2	30	Q500	1421.00	372.63	379.22	383.68	4.46	384.14	4.92	377.84	380.38	0.005698	4.77	297.85	61.49	0.69
valle2	29	Q50	1062.00	368.58	377.05	381.82	4.77	381.38	4.33	373.55	377.51	0.001364	3.00	354.29	55.54	0.38
valle2	29	Q200	1283.00	368.58	378.19	381.82	3.63	381.38	3.19	374.09	378.67	0.001217	3.07	418.23	57.18	0.36
valle2	29	Q500	1421.00	368.58	378.93	381.82	2.89	381.38	2.45	374.40	379.41	0.001121	3.08	460.77	58.12	0.35
valle2	28.8		Bridge													
valle2	28.5	Q50	1062.00	368.58	375.99	381.82	5.83	381.38	5.39	373.55	376.64	0.002284	3.58	296.53	52.92	0.48
valle2	28.5	Q200	1283.00	368.58	376.63	381.82	5.19	381.38	4.75	374.09	377.39	0.002428	3.88	330.76	54.49	0.50
valle2	28.5	Q500	1421.00	368.58	376.87	381.82	4.95	381.38	4.51	374.40	377.74	0.002654	4.13	344.22	55.09	0.53
valle2	28	Q50	1062.00	368.57	375.80	380.83	5.03	380.68	4.88	374.18	376.60	0.003837	3.96	267.85	62.50	0.61
valle2	28	Q200	1283.00	368.57	376.49	380.83	4.34	380.68	4.19	374.71	377.35	0.003505	4.12	311.18	63.05	0.59
valle2	28	Q500	1421.00	368.57	376.74	380.83	4.09	380.68	3.94	375.09	377.70	0.003688	4.35	326.94	63.24	0.61
valle2	27.8		Bridge													
valle2	27.5	Q50	1062.00	368.57	374.98	380.83	5.85	380.68	5.70	374.18	376.18	0.006042	4.84	219.41	53.81	0.77
valle2	27.5	Q200	1283.00	368.57	375.64	380.83	5.19	380.68	5.04	374.71	376.90	0.006281	4.97	258.25	62.38	0.78
valle2	27.5	Q500	1421.00	368.57	374.25	380.83	6.58	380.68	6.43	375.10	377.38	0.018281	7.83	181.49	49.74	1.31
valle2	27	Q50	1062.00	367.44	373.69	375.39	1.70	374.26	0.57	372.43	374.66	0.004346	4.38	242.71	53.45	0.66
valle2	27	Q200	1283.00	367.44	374.19	375.39	1.20	374.26	0.07	372.95	375.34	0.004645	4.75	269.86	54.91	0.68
valle2	27	Q500	1421.00	367.44	374.47	375.39	0.92	374.26	-0.21	373.26	375.73	0.004793	4.97	286.14	60.47	0.70
valle2	26	Q50	1062.00	365.67	371.06	373.91	2.85	377.45	6.39	370.17	371.91	0.004930	4.10	258.91	70.35	0.68
valle2	26	Q200	1283.00	365.67	371.62	373.91	2.29	377.45	5.83	370.57	372.56	0.004617	4.29	299.00	71.97	0.67
valle2	26	Q500	1421.00	365.67	371.96	373.91	1.95	377.45	5.49	370.83	372.94	0.004442	4.39	323.69	72.96	0.67
valle2	25.8		Bridge													

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle2	25.5	Q50	1062.00	365.67	371.01	373.91	2.90	377.45	6.44	370.17	371.89	0.005117	4.15	255.81	70.22	0.69
valle2	25.5	Q200	1283.00	365.67	371.58	373.91	2.33	377.45	5.87	370.57	372.54	0.004758	4.33	296.09	71.86	0.68
valle2	25.5	Q500	1421.00	365.67	371.92	373.91	1.99	377.45	5.53	370.82	372.92	0.004561	4.43	320.89	72.85	0.67
valle2	25	Q50	1062.00	362.90	369.64	376.91	7.27	375.09	5.45	368.24	370.47	0.003843	4.06	261.74	58.80	0.61
valle2	25	Q200	1283.00	362.90	370.22	376.91	6.69	375.09	4.87	368.75	371.17	0.003874	4.33	296.54	60.63	0.62
valle2	25	Q500	1421.00	362.90	370.56	376.91	6.35	375.09	4.53	369.03	371.58	0.003892	4.48	317.33	61.70	0.63
valle2	24.8		Bridge													
valle2	24.5	Q50	1062.00	362.90	367.55	376.91	9.36	375.09	7.54	368.24	370.20	0.020829	7.22	147.13	50.03	1.34
valle2	24.5	Q200	1283.00	362.90	368.00	376.91	8.91	375.09	7.09	368.75	370.89	0.019742	7.52	170.57	52.27	1.33
valle2	24.5	Q500	1421.00	362.90	368.27	376.91	8.64	375.09	6.82	369.03	371.29	0.019254	7.70	184.59	53.56	1.32
valle2	24	Q50	1062.00	358.57	365.24	366.56	1.32	369.43	4.19	363.58	365.97	0.003233	3.79	280.55	61.08	0.56
valle2	24	Q200	1283.00	358.57	365.85	366.56	0.71	369.43	3.58	364.03	366.67	0.003276	4.03	318.71	63.72	0.57
valle2	24	Q500	1421.00	358.57	366.21	366.56	0.35	369.43	3.22	364.32	367.09	0.003293	4.16	341.75	65.22	0.58
valle2	23.8		Bridge													
valle2	23.5	Q50	1062.00	358.57	362.81	366.56	3.75	369.43	6.62	363.58	365.63	0.025309	7.45	142.62	54.00	1.46
valle2	23.5	Q200	1283.00	358.57	363.20	366.56	3.36	369.43	6.23	364.05	366.32	0.023853	7.83	163.84	54.70	1.44
valle2	23.5	Q500	1421.00	358.57	363.44	366.56	3.12	369.43	5.99	364.34	366.73	0.023041	8.04	176.80	55.13	1.43
valle2	23	Q50	1062.00	357.71	363.66	368.77	5.11	365.47	1.81	360.97	363.85	0.001061	1.90	557.69	153.00	0.32
valle2	23	Q200	1283.00	357.71	364.07	368.77	4.70	365.47	1.40	361.27	364.29	0.001101	2.06	621.33	155.13	0.33
valle2	23	Q500	1421.00	357.71	364.32	368.77	4.45	365.47	1.15	361.45	364.55	0.001121	2.16	659.05	156.18	0.34
valle2	22	Q50	1062.00	358.01	361.76	367.46	5.70	365.48	3.72	361.76	362.79	0.012653	4.49	236.62	114.58	1.00
valle2	22	Q200	1283.00	358.01	362.04	367.46	5.42	365.48	3.44	362.04	363.20	0.012226	4.78	268.30	114.63	1.00
valle2	22	Q500	1421.00	358.01	362.21	367.46	5.25	365.48	3.27	362.21	363.45	0.011968	4.94	287.41	114.66	1.00
valle2	21.75	Q50	1062.00	356.72	361.47	363.98	2.51	361.49	0.02	359.25	361.70	0.001136	2.16	492.59	117.08	0.34
valle2	21.75	Q200	1283.00	356.72	361.91	363.98	2.07	361.49	-0.42	359.53	362.19	0.001201	2.36	544.45	117.48	0.35
valle2	21.75	Q500	1421.00	356.72	361.00	363.98	2.98	361.49	0.49	359.69	361.54	0.002963	3.24	438.34	116.47	0.53
valle3	21.6	Q50	1138.00	355.59	360.25	361.96	1.71	360.74	0.49	358.35	360.52	0.001445	2.28	499.08	128.37	0.37
valle3	21.6	Q200	1373.00	355.59	360.68	361.96	1.28	360.74	0.06	358.63	360.99	0.001498	2.48	553.98	128.37	0.38
valle3	21.6	Q500	1518.00	355.59	360.93	361.96	1.03	360.74	-0.19	358.79	361.28	0.001521	2.59	586.58	128.37	0.39
valle3	21.5	Q50	1138.00	355.13	360.04	360.73	0.69	362.70	2.66	358.54	360.42	0.002270	2.73	417.58	115.91	0.46
valle3	21.5	Q200	1373.00	355.13	360.44	360.73	0.29	362.70	2.26	358.84	360.89	0.002340	2.96	464.44	116.08	0.47

HEC-RAS Plan: 2_Sett2011 Locations: User Defined

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
scrivia	valle3	19.5 19.5	Q50	1138.00	354.95	357.38	362.68	5.30	363.07	5.69	357.38	358.39	0.012695	4.45	255.96	128.00	1.00
scrivia	valle3	19.5 19.5	Q200	1373.00	354.95	357.65	362.68	5.03	363.07	5.42	357.65	358.79	0.012296	4.73	290.22	128.17	1.00
scrivia	valle3	19.5 19.5	Q500	1518.00	354.95	357.80	362.68	4.88	363.07	5.27	357.80	359.02	0.012093	4.89	310.39	128.26	1.00
scrivia	valle3	19.4 19.4	Q50	1138.00	351.67	357.30	359.48	2.18	359.87	2.57	354.17	357.45	0.000583	1.72	661.12	130.20	0.24
scrivia	valle3	19.4 19.4	Q200	1373.00	351.67	357.96	359.48	1.52	359.87	1.91	354.44	358.14	0.000572	1.84	747.19	130.60	0.25
scrivia	valle3	19.4 19.4	Q500	1518.00	351.67	358.35	359.48	1.13	359.87	1.52	354.59	358.54	0.000566	1.90	798.34	130.84	0.25
scrivia	valle3	19 VAR-89	Q50	1138.00	351.69	357.01	361.53	4.52	358.87	1.86	354.88	357.38	0.001714	2.72	418.91	95.32	0.41
scrivia	valle3	19 VAR-89	Q200	1373.00	351.69	357.65	361.53	3.88	358.87	1.22	355.24	358.07	0.001636	2.86	480.82	97.79	0.41
scrivia	valle3	19 VAR-89	Q500	1518.00	351.69	358.03	361.53	3.50	358.87	0.84	355.45	358.47	0.001590	2.93	518.46	99.27	0.41
scrivia	valle3	18 VAR-88	Q50	1225.00	350.83	356.90	361.67	4.77	358.79	1.89	354.44	357.32	0.001685	2.87	427.19	84.31	0.41
scrivia	valle3	18 VAR-88	Q200	1474.00	350.83	357.52	361.67	4.15	358.79	1.27	354.84	358.00	0.001745	3.07	479.83	87.63	0.42
scrivia	valle3	18 VAR-88	Q500	1630.00	350.83	357.89	361.67	3.78	358.79	0.90	355.07	358.40	0.001777	3.18	512.76	90.09	0.43
scrivia	valle3	17 VAR-87	Q50	1225.00	350.77	356.43	361.64	5.21	358.16	1.73	355.09	357.18	0.003669	3.86	317.76	75.20	0.60
scrivia	valle3	17 VAR-87	Q200	1474.00	350.77	357.02	361.64	4.62	358.16	1.14	355.53	357.86	0.003551	4.06	363.05	78.18	0.60
scrivia	valle3	17 VAR-87	Q500	1630.00	350.77	357.37	361.64	4.27	358.16	0.79	355.78	358.26	0.003480	4.17	391.27	80.99	0.60
scrivia	valle3	16 VAR-86	Q50	1225.00	350.85	356.36	361.74	5.38	358.44	2.08	354.84	357.04	0.003211	3.66	334.87	77.44	0.56
scrivia	valle3	16 VAR-86	Q200	1474.00	350.85	356.97	361.74	4.77	358.44	1.47	355.26	357.72	0.003243	3.84	384.03	83.01	0.57
scrivia	valle3	16 VAR-86	Q500	1630.00	350.85	357.33	361.74	4.41	358.44	1.11	355.51	358.12	0.003124	3.93	414.32	83.50	0.56
scrivia	valle3	15 VAR-85	Q50	1225.00	350.56	356.24	361.47	5.23	358.06	1.82	354.81	356.95	0.003721	3.71	329.78	83.77	0.60
scrivia	valle3	15 VAR-85	Q200	1474.00	350.56	356.87	361.47	4.60	358.06	1.19	355.24	357.62	0.003389	3.85	382.49	85.08	0.58
scrivia	valle3	15 VAR-85	Q500	1630.00	350.56	357.24	361.47	4.23	358.06	0.82	355.49	358.03	0.003226	3.93	414.57	85.87	0.57
scrivia	valle3	14 VAR-84	Q50	1225.00	350.45	356.21	361.87	5.66	358.07	1.86	354.48	356.83	0.002911	3.48	352.09	82.15	0.54
scrivia	valle3	14 VAR-84	Q200	1474.00	350.45	356.84	361.87	5.03	358.07	1.23	354.91	357.52	0.002747	3.65	403.74	83.25	0.53
scrivia	valle3	14 VAR-84	Q500	1630.00	350.45	357.21	361.87	4.66	358.07	0.86	355.17	357.93	0.002663	3.75	435.08	83.91	0.53
scrivia	valle3	13 VAR-83	Q50	1225.00	350.34	356.03	361.69	5.66	358.07	2.04	354.54	356.71	0.003288	3.65	335.66	79.25	0.57
scrivia	valle3	13 VAR-83	Q200	1474.00	350.34	356.66	361.69	5.03	358.07	1.41	354.97	357.41	0.003097	3.82	385.95	80.78	0.56
scrivia	valle3	13 VAR-83	Q500	1630.00	350.34	357.04	361.69	4.65	358.07	1.03	355.23	357.82	0.002997	3.91	416.62	81.70	0.55
scrivia	valle3	12 VAR-82	Q50	1225.00	350.28	355.97	361.74	5.77	358.06	2.09	354.39	356.62	0.003052	3.56	343.72	80.16	0.55
scrivia	valle3	12 VAR-82	Q200	1474.00	350.28	356.60	361.74	5.14	358.06	1.46	354.81	357.31	0.002878	3.73	395.15	81.68	0.54
scrivia	valle3	12 VAR-82	Q500	1630.00	350.28	356.98	361.74	4.76	358.06	1.08	355.07	357.73	0.002788	3.82	426.45	82.60	0.54
scrivia	valle3	11 VAR-81	Q50	1225.00	350.26	355.87	360.59	4.72	357.76	1.89	354.37	356.55	0.003249	3.66	335.16	78.95	0.57
scrivia	valle3	11 VAR-81	Q200	1474.00	350.26	356.51	360.59	4.08	357.76	1.25	354.80	357.25	0.003037	3.82	385.97	80.21	0.56
scrivia	valle3	11 VAR-81	Q500	1630.00	350.26	356.89	360.59	3.70	357.76	0.87	355.05	357.67	0.002932	3.91	416.75	80.97	0.55
scrivia	valle3	10 VAR-80	Q50	1225.00	350.20	355.94	355.06	-0.88	357.76	1.82	353.95	356.46	0.002117	3.18	385.41	143.23	0.46
scrivia	valle3	10 VAR-80	Q200	1474.00	350.20	356.58	355.06	-1.52	357.76	1.18	354.37	357.16	0.002053	3.38	436.00	143.23	0.46
scrivia	valle3	10 VAR-80	Q500	1630.00	350.20	356.96	355.06	-1.90	357.76	0.80	354.59	357.58	0.002020	3.50	466.18	143.23	0.46
scrivia	valle3	9 VAR-79	Q50	1225.00	349.96	355.89	358.06	2.17	357.74	1.85	353.87	356.36	0.002093	3.06	400.51	87.15	0.46
scrivia	valle3	9 VAR-79	Q200	1474.00	349.96	356.54	358.06	1.52	357.74	1.20	354.26	357.07	0.002015	3.22	457.92	89.14	0.45
scrivia	valle3	9 VAR-79	Q500	1630.00	349.96	356.93	358.06	1.13	357.74	0.81	354.49	357.48	0.001973	3.31	492.85	90.32	0.45
scrivia	valle3	8 VAR-78	Q50	1225.00	349.93	355.38	359.95	4.57	357.78	2.40	354.06	356.21	0.003865	4.04	302.96	67.73	0.61

HEC-RAS Plan: 2_Sett2011 Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
scrivia	valle3	8 VAR-78	Q200	1474.00	349.93	355.97	359.95	3.98	357.78	1.81	354.50	356.91	0.003795	4.29	343.65	68.74	0.61
scrivia	valle3	8 VAR-78	Q500	1630.00	349.93	356.33	359.95	3.62	357.78	1.45	354.76	357.33	0.003754	4.43	368.29	69.34	0.61
scrivia	valle3	7 VAR-77	Q50	1225.00	349.60	354.92	359.49	4.57	357.49	2.57	353.96	355.89	0.005143	4.36	280.71	69.72	0.69
scrivia	valle3	7 VAR-77	Q200	1474.00	349.60	355.58	359.49	3.91	357.49	1.91	354.42	356.61	0.004740	4.50	327.40	72.45	0.68
scrivia	valle3	7 VAR-77	Q500	1630.00	349.60	355.97	359.49	3.52	357.49	1.52	354.69	357.04	0.004530	4.57	356.28	74.08	0.67
scrivia	valle3	6 VAR-76	Q50	1225.00	349.14	354.93	358.76	3.83	357.49	2.56	353.26	355.56	0.002963	3.52	348.17	79.39	0.54
scrivia	valle3	6 VAR-76	Q200	1474.00	349.14	355.61	358.76	3.15	357.49	1.88	353.69	356.30	0.002706	3.66	402.45	79.60	0.52
scrivia	valle3	6 VAR-76	Q500	1630.00	349.14	356.02	358.76	2.74	357.49	1.47	353.95	356.73	0.002594	3.75	434.60	79.72	0.51
scrivia	valle3	5.1 VAR-75	Q50	1225.00	348.88	354.95	359.59	4.64	357.49	2.54	352.78	355.37	0.001858	2.88	426.05	93.62	0.43
scrivia	valle3	5.1 VAR-75	Q200	1474.00	348.88	355.65	359.59	3.94	357.49	1.84	353.16	356.11	0.001741	2.99	493.21	96.75	0.42
scrivia	valle3	5.1 VAR-75	Q500	1630.00	348.88	356.07	359.59	3.52	357.49	1.42	353.38	356.55	0.001683	3.05	533.99	98.60	0.42
scrivia	valle3	5 VAR-75	Q50	1225.00	348.88	354.95	359.59	4.64	352.67	-2.28	352.78	355.37	0.001859	2.88	426.03	93.62	0.43
scrivia	valle3	5 VAR-75	Q200	1474.00	348.88	355.65	359.59	3.94	352.67	-2.98	353.16	356.11	0.001741	2.99	493.19	96.75	0.42
scrivia	valle3	5 VAR-75	Q500	1630.00	348.88	356.07	359.59	3.52	352.67	-3.40	353.38	356.54	0.001683	3.05	533.97	98.60	0.42
scrivia	valle3	4 VAR-74	Q50	1225.00	349.13	354.28	359.54	5.26	354.74	0.46	353.16	355.13	0.004474	4.09	299.78	71.53	0.64
scrivia	valle3	4 VAR-74	Q200	1474.00	349.13	354.98	359.54	4.56	354.74	-0.24	353.57	355.89	0.003975	4.21	350.37	72.47	0.61
scrivia	valle3	4 VAR-74	Q500	1630.00	349.13	355.39	359.54	4.15	354.74	-0.65	353.83	356.33	0.003777	4.29	379.94	73.01	0.60
scrivia	valle3	3 VAR-73	Q50	1225.00	347.97	354.16	359.64	5.48	355.32	1.16	352.37	354.96	0.003286	3.95	310.50	60.21	0.55
scrivia	valle3	3 VAR-73	Q200	1474.00	347.97	354.84	359.64	4.80	355.32	0.48	352.86	355.72	0.003753	4.17	353.88	70.82	0.59
scrivia	valle3	3 VAR-73	Q500	1630.00	347.97	355.24	359.64	4.40	355.32	0.08	353.16	356.16	0.003963	4.24	384.49	78.75	0.61
scrivia	valle3	2 VAR-72	Q50	1225.00	347.72	354.02	359.56	5.54	355.24	1.22	352.35	354.78	0.003485	3.87	316.67	69.74	0.58
scrivia	valle3	2 VAR-72	Q200	1474.00	347.72	354.70	359.56	4.86	355.24	0.54	352.87	355.53	0.003373	4.03	365.56	73.81	0.58
scrivia	valle3	2 VAR-72	Q500	1630.00	347.72	355.11	359.56	4.45	355.24	0.13	353.17	355.97	0.003302	4.12	395.86	76.22	0.58
scrivia	valle3	1 VAR-71	Q50	1225.00	346.74	353.92	359.12	5.20	355.26	1.34	352.01	354.63	0.003067	3.75	326.77	66.65	0.54
scrivia	valle3	1 VAR-71	Q200	1474.00	346.74	354.59	359.12	4.53	355.26	0.67	352.50	355.39	0.003033	3.96	372.63	69.51	0.55
scrivia	valle3	1 VAR-71	Q500	1630.00	346.74	354.99	359.12	4.13	355.26	0.27	352.79	355.83	0.003008	4.07	400.67	71.21	0.55
scrivia	valle3	0 VAR-70	Q50	1225.00	346.39	353.29	358.98	5.69	355.31	2.02	352.41	354.47	0.005738	4.80	255.33	60.66	0.75
scrivia	valle3	0 VAR-70	Q200	1474.00	346.39	353.98	358.98	5.00	355.31	1.33	352.94	355.23	0.005339	4.94	298.34	64.13	0.73
scrivia	valle3	0 VAR-70	Q500	1630.00	346.39	354.39	358.98	4.59	355.31	0.92	353.25	355.67	0.005125	5.01	325.03	66.20	0.72
scrivia	valle3	-1 VAR-69	Q50	1225.00	346.74	353.11	358.41	5.30	355.19	2.08	352.21	354.18	0.005428	4.59	266.62	65.12	0.72
scrivia	valle3	-1 VAR-69	Q200	1474.00	346.74	353.85	358.41	4.56	355.19	1.34	352.71	354.96	0.004790	4.66	316.09	68.59	0.69
scrivia	valle3	-1 VAR-69	Q500	1630.00	346.74	354.28	358.41	4.13	355.19	0.91	353.00	355.41	0.004505	4.71	346.17	70.61	0.68
scrivia	valle3	-2 VAR-68	Q50	1225.00	346.46	353.20	358.47	5.27	355.20	2.00	351.77	353.98	0.003655	3.92	312.25	72.13	0.60
scrivia	valle3	-2 VAR-68	Q200	1474.00	346.46	353.95	358.47	4.52	355.20	1.25	352.24	354.77	0.003288	4.01	367.85	75.88	0.58
scrivia	valle3	-2 VAR-68	Q500	1630.00	346.46	354.39	358.47	4.08	355.20	0.81	352.51	355.23	0.003122	4.06	401.56	78.06	0.57
scrivia	valle3	-3 VAR-67	Q50	1225.00	346.18	353.36	358.30	4.94	355.40	2.04	350.92	353.82	0.001831	3.03	404.31	80.24	0.43
scrivia	valle3	-3 VAR-67	Q200	1474.00	346.18	354.11	358.30	4.19	355.40	1.29	351.34	354.62	0.001748	3.17	465.63	83.42	0.43
scrivia	valle3	-3 VAR-67	Q500	1630.00	346.18	354.54	358.30	3.76	355.40	0.86	351.59	355.08	0.001710	3.24	502.50	85.27	0.43
scrivia	valle3	-4 VAR-66	Q50	1225.00	345.89	353.37	358.19	4.82	354.82	1.45	350.42	353.76	0.001475	2.75	445.67	84.35	0.38
scrivia	valle3	-4 VAR-66	Q200	1474.00	345.89	354.13	358.19	4.06	354.82	0.69	350.85	354.55	0.001445	2.89	510.81	88.63	0.38

HEC-RAS Plan: 2_Sett2011 Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
scrivia	valle3	-4 VAR-66	Q500	1630.00	345.89	354.57	358.19	3.62	354.82	0.25	351.10	355.01	0.001429	2.96	550.34	91.13	0.38
scrivia	valle3	-5 VAR-65	Q50	1225.00	345.88	353.15	358.09	4.94	354.42	1.27	350.87	353.66	0.002187	3.16	387.93	79.87	0.46
scrivia	valle3	-5 VAR-65	Q200	1474.00	345.88	353.91	358.09	4.18	354.42	0.51	351.32	354.45	0.002051	3.28	449.75	83.49	0.45
scrivia	valle3	-5 VAR-65	Q500	1630.00	345.88	354.35	358.09	3.74	354.42	0.07	351.58	354.92	0.001989	3.35	487.00	85.60	0.45
scrivia	valle3	-6 VAR-64	Q50	1225.00	345.82	353.10	357.97	4.87	354.25	1.15	350.89	353.59	0.002095	3.11	393.78	82.63	0.45
scrivia	valle3	-6 VAR-64	Q200	1474.00	345.82	353.86	357.97	4.11	354.25	0.39	351.33	354.39	0.001934	3.22	458.25	86.00	0.44
scrivia	valle3	-6 VAR-64	Q500	1630.00	345.82	354.31	357.97	3.66	354.25	-0.06	351.58	354.86	0.001860	3.28	496.88	87.80	0.44
scrivia	valle3	-7 VAR-63	Q50	1225.00	345.76	353.06	357.88	4.82	353.43	0.37	350.68	353.51	0.001904	2.98	411.29	86.39	0.44
scrivia	valle3	-7 VAR-63	Q200	1474.00	345.76	353.83	357.88	4.05	353.43	-0.40	351.13	354.31	0.001735	3.07	479.37	89.08	0.42
scrivia	valle3	-7 VAR-63	Q500	1630.00	345.76	354.28	357.88	3.60	353.43	-0.85	351.39	354.78	0.001658	3.14	519.48	90.06	0.42
scrivia	valle3	-8 VAR-62	Q50	1225.00	345.85	353.03	357.81	4.78	353.60	0.57	350.45	353.44	0.001711	2.85	429.67	89.17	0.41
scrivia	valle3	-8 VAR-62	Q200	1474.00	345.85	353.81	357.81	4.00	353.60	-0.21	350.91	354.25	0.001573	2.94	500.92	92.79	0.40
scrivia	valle3	-8 VAR-62	Q500	1630.00	345.85	354.26	357.81	3.55	353.60	-0.66	351.17	354.72	0.001495	3.00	542.95	93.41	0.40
scrivia	valle3	-9 VAR-61	Q50	1225.00	345.51	352.99	357.48	4.49	353.69	0.70	349.89	353.35	0.001239	2.67	459.66	82.53	0.36
scrivia	valle3	-9 VAR-61	Q200	1474.00	345.51	353.76	357.48	3.72	353.69	-0.07	350.32	354.17	0.001210	2.81	524.69	85.18	0.36
scrivia	valle3	-9 VAR-61	Q500	1630.00	345.51	354.21	357.48	3.27	353.69	-0.52	350.58	354.64	0.001192	2.89	563.12	85.98	0.36
scrivia	valle3	-10 VAR-60	Q50	1225.00	345.01	352.82	357.57	4.75	352.49	-0.33	349.69	353.26	0.001532	2.93	417.45	75.29	0.40
scrivia	valle3	-10 VAR-60	Q200	1474.00	345.01	353.58	357.57	3.99	352.49	-1.09	350.22	354.07	0.001490	3.10	475.57	76.53	0.40
scrivia	valle3	-10 VAR-60	Q500	1630.00	345.01	354.03	357.57	3.54	352.49	-1.54	350.52	354.55	0.001477	3.20	509.56	77.24	0.40
scrivia	valle3	-11 VAR-59	Q50	1225.00	344.61	352.38	357.75	5.37	352.50	0.12	350.03	353.12	0.002766	3.81	321.51	60.14	0.53
scrivia	valle3	-11 VAR-59	Q200	1474.00	344.61	353.11	357.75	4.64	352.50	-0.61	350.63	353.94	0.002727	4.03	366.00	61.68	0.53
scrivia	valle3	-11 VAR-59	Q500	1630.00	344.61	353.53	357.75	4.22	352.50	-1.03	350.98	354.41	0.002718	4.16	391.87	62.32	0.53
scrivia	valle3	-12 VAR-58	Q50	1225.00	344.71	352.16	357.49	5.33	352.61	0.45	349.92	352.95	0.002943	3.94	310.99	57.33	0.54
scrivia	valle3	-12 VAR-58	Q200	1474.00	344.71	352.88	357.49	4.61	352.61	-0.27	350.52	353.76	0.002963	4.17	353.15	59.69	0.55
scrivia	valle3	-12 VAR-58	Q500	1630.00	344.71	353.29	357.49	4.20	352.61	-0.68	350.87	354.24	0.002960	4.31	377.84	60.29	0.55
scrivia	valle3	-13 VAR-57	Q50	1225.00	344.17	351.80	356.71	4.91	352.85	1.05	350.02	352.77	0.003754	4.35	281.48	53.60	0.61
scrivia	valle3	-13 VAR-57	Q200	1474.00	344.17	352.49	356.71	4.22	352.85	0.36	350.63	353.58	0.003807	4.62	319.38	56.18	0.62
scrivia	valle3	-13 VAR-57	Q500	1630.00	344.17	352.89	356.71	3.82	352.85	-0.04	350.98	354.05	0.003834	4.76	342.11	57.57	0.62
scrivia	valle3	-14 VAR-56	Q50	1225.00	343.97	351.44	356.47	5.03	352.53	1.09	349.81	352.59	0.004781	4.76	257.62	50.36	0.67
scrivia	valle3	-14 VAR-56	Q200	1474.00	343.97	352.09	356.47	4.38	352.53	0.44	350.54	353.39	0.005009	5.05	291.89	54.16	0.69
scrivia	valle3	-14 VAR-56	Q500	1630.00	343.97	352.48	356.47	3.99	352.53	0.05	350.94	353.86	0.005090	5.20	313.41	56.42	0.70
scrivia	valle3	-15 VAR-55	Q50	1225.00	344.83	350.81	356.29	5.48	352.20	1.39	350.12	352.36	0.007076	5.52	221.87	47.87	0.82
scrivia	valle3	-15 VAR-55	Q200	1474.00	344.83	351.36	356.29	4.93	352.20	0.84	350.75	353.15	0.007457	5.92	248.90	50.26	0.85
scrivia	valle3	-15 VAR-55	Q500	1630.00	344.83	351.68	356.29	4.61	352.20	0.52	351.12	353.61	0.007646	6.14	265.32	51.65	0.87
scrivia	valle3	-16 VAR-54	Q50	1225.00	344.28	350.94	356.28	5.34	352.05	1.11	349.45	351.98	0.004276	4.51	271.53	54.92	0.65
scrivia	valle3	-16 VAR-54	Q200	1474.00	344.28	351.54	356.28	4.74	352.05	0.51	350.04	352.73	0.004473	4.83	305.05	57.52	0.67
scrivia	valle3	-16 VAR-54	Q500	1630.00	344.28	351.89	356.28	4.39	352.05	0.16	350.39	353.17	0.004568	5.01	325.44	59.05	0.68
scrivia	valle3	-17 VAR-53	Q50	1225.00	344.54	350.82	356.26	5.44	352.34	1.52	349.03	351.67	0.003426	4.09	299.75	59.17	0.58
scrivia	valle3	-17 VAR-53	Q200	1474.00	344.54	351.42	356.26	4.84	352.34	0.92	349.57	352.40	0.003569	4.39	335.98	61.37	0.60
scrivia	valle3	-17 VAR-53	Q500	1630.00	344.54	351.78	356.26	4.48	352.34	0.56	349.90	352.83	0.003641	4.55	357.86	62.66	0.61

HEC-RAS Plan: 2_Sett2011 Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
scrivia	valle3	-18 VAR-52	Q50	1225.00	344.54	350.66	356.23	5.57	351.78	1.12	349.05	351.47	0.003520	4.00	306.33	64.42	0.59
scrivia	valle3	-18 VAR-52	Q200	1474.00	344.54	351.27	356.23	4.96	351.78	0.51	349.55	352.19	0.003539	4.25	346.44	66.49	0.59
scrivia	valle3	-18 VAR-52	Q500	1630.00	344.54	351.63	356.23	4.60	351.78	0.15	349.84	352.62	0.003551	4.40	370.51	67.70	0.60
scrivia	valle3	-18.9 VAR-51	Q50	1225.00	343.84	350.74	356.11	5.37	351.78	1.04	348.41	351.28	0.002151	3.25	376.41	73.56	0.46
scrivia	valle3	-18.9 VAR-51	Q200	1474.00	343.84	351.37	356.11	4.74	351.78	0.41	348.93	351.99	0.002184	3.48	423.42	75.12	0.47
scrivia	valle3	-18.9 VAR-51	Q500	1630.00	343.84	351.74	356.11	4.37	351.78	0.04	349.19	352.40	0.002205	3.61	451.35	76.04	0.47
scrivia	valle3	-19 VAR-51	Q50	1225.00	343.84	350.73	356.11	5.38	351.78	1.05	348.41	351.27	0.002155	3.26	376.21	73.56	0.46
scrivia	valle3	-19 VAR-51	Q200	1474.00	343.84	351.37	356.11	4.74	351.78	0.41	348.93	351.98	0.002188	3.48	423.20	75.12	0.47
scrivia	valle3	-19 VAR-51	Q500	1630.00	343.84	351.73	356.11	4.38	351.78	0.05	349.19	352.40	0.002209	3.61	451.13	76.03	0.47
scrivia	valle3	-19.5 VAR-51		Bridge													
scrivia	valle3	-19.8 VAR-51	Q50	1225.00	343.84	350.71	356.11	5.40	351.78	1.07	348.41	351.25	0.002187	3.27	374.39	73.49	0.46
scrivia	valle3	-19.8 VAR-51	Q200	1474.00	343.84	351.34	356.11	4.77	351.78	0.44	348.93	351.96	0.002220	3.50	421.17	75.05	0.47
scrivia	valle3	-19.8 VAR-51	Q500	1630.00	343.84	351.71	356.11	4.40	351.78	0.07	349.19	352.38	0.002241	3.63	448.96	75.96	0.48
scrivia	valle3	-19.9 VAR-51	Q50	1225.00	343.84	350.70	356.11	5.41	351.78	1.08	348.41	351.24	0.002202	3.28	373.54	73.47	0.46
scrivia	valle3	-19.9 VAR-51	Q200	1474.00	343.84	351.33	356.11	4.78	351.78	0.45	348.93	351.95	0.002234	3.51	420.28	75.02	0.47
scrivia	valle3	-19.9 VAR-51	Q500	1630.00	343.84	351.69	356.11	4.42	351.78	0.09	349.19	352.37	0.002255	3.64	448.04	75.93	0.48
scrivia	valle3	-20 VAR-50	Q50	1225.00	343.47	350.11	356.14	6.03	352.19	2.08	348.71	351.09	0.004046	4.40	278.66	57.24	0.64
scrivia	valle3	-20 VAR-50	Q200	1474.00	343.47	350.62	356.14	5.52	352.19	1.57	349.23	351.79	0.004344	4.78	308.54	58.55	0.66
scrivia	valle3	-20 VAR-50	Q500	1630.00	343.47	350.92	356.14	5.22	352.19	1.27	349.54	352.19	0.004526	5.00	325.93	59.31	0.68
scrivia	valle3	-21 VAR-49	Q50	1225.00	343.39	350.22	356.01	5.79	355.39	5.17	348.28	350.87	0.002700	3.56	343.94	71.75	0.52
scrivia	valle3	-21 VAR-49	Q200	1474.00	343.39	350.79	356.01	5.22	355.39	4.60	348.76	351.53	0.002810	3.83	385.08	74.18	0.54
scrivia	valle3	-21 VAR-49	Q500	1630.00	343.39	351.11	356.01	4.90	355.39	4.28	349.04	351.92	0.002873	3.98	409.53	75.59	0.55
scrivia	valle3	-22 VAR-48	Q50	1225.00	342.89	350.28	355.79	5.51	356.14	5.86	347.54	350.69	0.001515	2.84	431.61	83.26	0.40
scrivia	valle3	-22 VAR-48	Q200	1474.00	342.89	350.86	355.79	4.93	356.14	5.28	347.95	351.34	0.001597	3.07	480.67	85.69	0.41
scrivia	valle3	-22 VAR-48	Q500	1630.00	342.89	351.20	355.79	4.59	356.14	4.94	348.26	351.72	0.001643	3.20	509.77	87.11	0.42
scrivia	valle3	-23 VAR-47	Q50	1225.00	343.12	350.28	355.77	5.49	356.18	5.90	347.75	350.60	0.001475	2.51	487.77	111.88	0.38
scrivia	valle3	-23 VAR-47	Q200	1474.00	343.12	350.88	355.77	4.89	356.18	5.30	348.17	351.24	0.001413	2.65	555.51	113.01	0.38
scrivia	valle3	-23 VAR-47	Q500	1630.00	343.12	351.23	355.77	4.54	356.18	4.95	348.57	351.62	0.001390	2.74	595.08	113.67	0.38
scrivia	valle3	-24 VAR-46	Q50	1225.00	342.84	349.99	355.45	5.46	355.79	5.80	347.48	350.47	0.002412	3.08	397.26	95.62	0.48
scrivia	valle3	-24 VAR-46	Q200	1474.00	342.84	350.58	355.45	4.87	355.79	5.21	347.99	351.11	0.002287	3.25	454.10	96.67	0.48
scrivia	valle3	-24 VAR-46	Q500	1630.00	342.84	350.92	355.45	4.53	355.79	4.87	348.29	351.49	0.002243	3.35	487.05	97.27	0.48
scrivia	valle3	-25 VAR-45	Q50	1225.00	343.04	349.85	354.59	4.74	355.49	5.64	347.40	350.35	0.002430	3.13	391.43	88.78	0.48
scrivia	valle3	-25 VAR-45	Q200	1474.00	343.04	350.43	354.59	4.16	355.49	5.06	347.87	351.00	0.002363	3.33	443.23	88.87	0.48
scrivia	valle3	-25 VAR-45	Q500	1630.00	343.04	350.76	354.59	3.83	355.49	4.73	348.50	351.37	0.002353	3.45	472.68	88.92	0.48
scrivia	valle3	-26 VAR-44	Q50	1225.00	343.06	349.50	354.37	4.87	355.24	5.74	347.78	350.20	0.003760	3.71	330.40	82.59	0.59
scrivia	valle3	-26 VAR-44	Q200	1474.00	343.06	350.08	354.37	4.29	355.24	5.16	348.65	350.85	0.003546	3.89	378.68	83.74	0.58
scrivia	valle3	-26 VAR-44	Q500	1630.00	343.06	350.41	354.37	3.96	355.24	4.83	348.88	351.23	0.003488	4.01	405.98	84.38	0.58
scrivia	valle3	-27 VAR-43	Q50	1225.00	342.93	349.45	353.92	4.47	354.98	5.53	347.18	350.01	0.002646	3.30	370.95	84.76	0.50
scrivia	valle3	-27 VAR-43	Q200	1474.00	342.93	350.04	353.92	3.88	354.98	4.94	347.66	350.67	0.002571	3.50	421.14	85.71	0.50

HEC-RAS Plan: 2_Sett2011 Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
scrivia	valle3	-27 VAR-43	Q500	1630.00	342.93	350.37	353.92	3.55	354.98	4.61	348.37	351.04	0.002566	3.63	449.36	86.24	0.51
scrivia	valle3	-28 VAR-42	Q50	1225.00	342.57	349.35	354.29	4.94	354.89	5.54	347.04	349.87	0.002502	3.20	382.25	87.74	0.49
scrivia	valle3	-28 VAR-42	Q200	1474.00	342.57	349.95	354.29	4.34	354.89	4.94	347.52	350.53	0.002407	3.39	434.89	88.39	0.49
scrivia	valle3	-28 VAR-42	Q500	1630.00	342.57	350.28	354.29	4.01	354.89	4.61	348.20	350.90	0.002396	3.51	464.19	88.74	0.49
scrivia	valle3	-29 VAR-41	Q50	1225.00	342.38	349.29	354.02	4.73	354.64	5.35	346.72	349.74	0.002060	2.97	412.76	92.19	0.45
scrivia	valle3	-29 VAR-41	Q200	1474.00	342.38	349.89	354.02	4.13	354.64	4.75	347.16	350.40	0.001998	3.14	469.05	93.32	0.45
scrivia	valle3	-29 VAR-41	Q500	1630.00	342.38	350.23	354.02	3.79	354.64	4.41	347.43	350.77	0.001997	3.26	500.42	93.94	0.45
scrivia	valle3	-30 VAR-40	Q50	1225.00	342.54	348.01	348.04	0.03	350.51	2.50	347.53	349.49	0.007465	5.39	230.46	72.16	0.85
scrivia	valle3	-30 VAR-40	Q200	1474.00	342.54	348.51	348.04	-0.47	350.51	2.00	348.30	350.14	0.007475	5.71	267.97	77.57	0.86
scrivia	valle3	-30 VAR-40	Q500	1630.00	342.54	348.81	348.04	-0.76	350.51	1.70	348.62	350.51	0.007379	5.86	291.23	78.55	0.86
scrivia	valle3	-31 VAR-39	Q50	1225.00	342.50	348.42	348.68	0.26	351.14	2.72	346.35	349.06	0.002441	3.54	346.49	67.80	0.50
scrivia	valle3	-31 VAR-39	Q200	1474.00	342.50	348.94	348.68	-0.26	351.14	2.20	346.82	349.69	0.002661	3.84	393.30	110.70	0.53
scrivia	valle3	-31 VAR-39	Q500	1630.00	342.50	349.25	348.68	-0.57	351.14	1.89	347.10	350.05	0.002735	3.98	428.36	113.58	0.54
scrivia	vall	47 VAR-36	Q50	1229.00	342.43	348.69	347.24	-1.45	352.43	3.74	345.58	348.86	0.000697	1.80	682.40	146.68	0.27
scrivia	vall	47 VAR-36	Q200	1479.00	342.43	349.27	347.24	-2.03	352.43	3.16	345.87	349.46	0.000700	1.93	767.36	148.82	0.27
scrivia	vall	47 VAR-36	Q500	1636.00	342.43	349.60	347.24	-2.36	352.43	2.83	346.05	349.81	0.000703	2.00	817.42	150.07	0.27
scrivia	vall	46 VAR-35	Q50	1229.00	342.24	348.22	348.89	0.67	350.72	2.50	346.50	348.77	0.002739	3.27	375.86	90.89	0.51
scrivia	vall	46 VAR-35	Q200	1479.00	342.24	348.74	348.89	0.15	350.72	1.98	346.91	349.36	0.002809	3.49	425.60	114.39	0.53
scrivia	vall	46 VAR-35	Q500	1636.00	342.24	349.05	348.89	-0.16	350.72	1.67	347.16	349.71	0.002801	3.59	464.43	126.06	0.53
scrivia	vall	45 VAR-34	Q50	1229.00	341.61	348.22	348.18	-0.04	351.07	2.85	346.15	348.67	0.002125	2.99	411.11	98.75	0.46
scrivia	vall	45 VAR-34	Q200	1479.00	341.61	348.74	348.18	-0.56	351.07	2.33	346.57	349.26	0.002162	3.19	470.28	120.02	0.47
scrivia	vall	45 VAR-34	Q500	1636.00	341.61	349.06	348.18	-0.88	351.07	2.01	346.82	349.61	0.002158	3.28	508.74	122.60	0.48
scrivia	vall	44 VAR-33	Q50	1229.00	341.47	347.91	347.40	-0.51	350.18	2.27	346.35	348.54	0.003063	3.51	353.10	93.59	0.54
scrivia	vall	44 VAR-33	Q200	1479.00	341.47	348.41	347.40	-1.01	350.18	1.77	346.78	349.12	0.003099	3.75	403.15	110.79	0.55
scrivia	vall	44 VAR-33	Q500	1636.00	341.47	348.72	347.40	-1.32	350.18	1.46	347.02	349.47	0.003065	3.86	437.43	112.19	0.56
scrivia	vall	43 VAR-32	Q50	1229.00	341.49	347.61	347.08	-0.53	349.60	1.99	346.50	348.39	0.004466	3.90	321.88	128.21	0.64
scrivia	vall	43 VAR-32	Q200	1479.00	341.49	348.26	347.08	-1.18	349.60	1.34	346.92	348.99	0.003879	3.85	410.75	141.76	0.61
scrivia	vall	43 VAR-32	Q500	1636.00	341.49	348.63	347.08	-1.55	349.60	0.97	347.14	349.33	0.003569	3.81	463.68	146.36	0.59
scrivia	vall	42 VAR-31	Q50	1229.00	341.37	347.19	347.24	0.05	349.01	1.82	346.29	348.10	0.005447	4.23	290.83	79.29	0.70
scrivia	vall	42 VAR-31	Q200	1479.00	341.37	347.73	347.24	-0.49	349.01	1.28	346.72	348.72	0.005362	4.40	340.99	109.13	0.71
scrivia	vall	42 VAR-31	Q500	1636.00	341.37	348.08	347.24	-0.84	349.01	0.93	346.99	349.07	0.005143	4.43	379.02	113.57	0.70
scrivia	vall	41 VAR-30	Q50	1229.00	341.47	346.48	347.22	0.74	348.02	1.54	346.05	347.74	0.008279	4.97	247.40	72.27	0.86
scrivia	vall	41 VAR-30	Q200	1479.00	341.47	346.95	347.22	0.27	348.02	1.07	346.56	348.34	0.008605	5.23	282.98	79.09	0.88
scrivia	vall	41 VAR-30	Q500	1636.00	341.47	347.25	347.22	-0.03	348.02	0.77	346.86	348.69	0.009137	5.31	308.62	107.48	0.91
scrivia	vall	40 VAR-29	Q50	1229.00	341.45	346.44	347.19	0.75	347.44	1.00	345.62	347.41	0.005891	4.36	282.03	79.55	0.74
scrivia	vall	40 VAR-29	Q200	1479.00	341.45	346.92	347.19	0.27	347.44	0.52	346.08	347.99	0.006173	4.59	321.96	86.88	0.76
scrivia	vall	40 VAR-29	Q500	1636.00	341.45	347.20	347.19	-0.01	347.44	0.24	346.38	348.33	0.006257	4.71	347.89	100.85	0.77
scrivia	vall	39.4 VAR-28	Q50	1229.00	341.44	346.38	347.15	0.77	347.09	0.71	345.36	347.15	0.004731	3.87	317.20	90.17	0.66
scrivia	vall	39.4 VAR-28	Q200	1479.00	341.44	346.88	347.15	0.27	347.09	0.21	345.78	347.72	0.004815	4.06	363.96	97.56	0.67
scrivia	vall	39.4 VAR-28	Q500	1636.00	341.44	347.17	347.15	-0.02	347.09	-0.08	346.03	348.06	0.004637	4.16	394.31	137.27	0.67

HEC-RAS Plan: 2_Sett2011 Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
scrivia	vall	39.3 VAR-28	Q50	1229.00	341.44	346.37	347.15	0.78	347.09	0.72	345.36	347.14	0.004760	3.88	316.51	90.09	0.66
scrivia	vall	39.3 VAR-28	Q200	1479.00	341.44	346.87	347.15	0.28	347.09	0.22	345.78	347.71	0.004847	4.07	363.17	97.51	0.67
scrivia	vall	39.3 VAR-28	Q500	1636.00	341.44	347.17	347.15	-0.02	347.09	-0.08	346.03	348.05	0.004668	4.17	393.20	137.25	0.67
scrivia	vall	39.21 VAR 28		Bridge													
scrivia	vall	39.2 VAR-28	Q50	1229.00	341.44	346.28	347.15	0.87	347.09	0.81	345.36	347.09	0.005108	3.98	308.64	89.21	0.68
scrivia	vall	39.2 VAR-28	Q200	1479.00	341.44	346.72	347.15	0.43	347.09	0.37	345.79	347.64	0.005454	4.23	349.32	96.74	0.71
scrivia	vall	39.2 VAR-28	Q500	1636.00	341.44	346.99	347.15	0.16	347.09	0.10	346.03	347.96	0.005383	4.36	374.96	98.17	0.71
scrivia	vall	39.1 VAR-28	Q50	1229.00	341.44	346.24	347.15	0.91	347.09	0.85	345.36	347.07	0.005293	4.03	304.75	88.77	0.69
scrivia	vall	39.1 VAR-28	Q200	1479.00	341.44	346.67	347.15	0.48	347.09	0.42	345.79	347.61	0.005699	4.30	344.32	96.45	0.73
scrivia	vall	39.1 VAR-28	Q500	1636.00	341.44	346.94	347.15	0.21	347.09	0.15	346.04	347.93	0.005607	4.42	369.95	97.89	0.73
scrivia	vall	38 VAR- 27	Q50	1229.00	341.41	346.27	346.98	0.71	346.85	0.58	345.23	347.02	0.004598	3.82	321.37	92.50	0.65
scrivia	vall	38 VAR- 27	Q200	1479.00	341.41	346.71	346.98	0.27	346.85	0.14	345.66	347.55	0.004763	4.08	362.90	97.42	0.67
scrivia	vall	38 VAR- 27	Q500	1636.00	341.41	346.97	346.98	0.01	346.85	-0.12	345.90	347.87	0.004743	4.20	389.06	99.14	0.68
scrivia	vall	37 VAR-26	Q50	1229.00	341.39	346.16	346.95	0.79	346.33	0.17	345.08	346.80	0.004583	3.56	345.44	110.69	0.64
scrivia	vall	37 VAR-26	Q200	1479.00	341.39	346.63	346.95	0.32	346.33	-0.30	345.55	347.33	0.004339	3.71	398.67	114.76	0.64
scrivia	vall	37 VAR-26	Q500	1636.00	341.39	346.91	346.95	0.04	346.33	-0.58	345.77	347.64	0.004361	3.79	432.01	120.92	0.64
scrivia	vall	35 VAR-24	Q50	1229.00	341.32	345.84	349.39	3.55	345.19	-0.65	345.22	346.67	0.005777	4.02	306.37	99.03	0.72
scrivia	vall	35 VAR-24	Q200	1479.00	341.32	346.28	349.39	3.11	345.19	-1.09	345.56	347.20	0.005444	4.24	349.78	100.03	0.72
scrivia	vall	35 VAR-24	Q500	1636.00	341.32	346.53	349.39	2.86	345.19	-1.34	345.76	347.51	0.005342	4.38	374.56	100.60	0.72
scrivia	vall	34 VAR-23	Q50	1229.00	341.10	345.63	348.04	2.41	345.92	0.29	344.80	346.41	0.005286	3.93	312.93	97.05	0.70
scrivia	vall	34 VAR-23	Q200	1479.00	341.10	346.08	348.04	1.96	345.92	-0.16	345.20	346.95	0.005151	4.13	357.93	100.60	0.70
scrivia	vall	34 VAR-23	Q500	1636.00	341.10	346.34	348.04	1.70	345.92	-0.42	345.44	347.26	0.005038	4.26	383.78	100.91	0.70
scrivia	vall	33 VAR-22	Q50	1229.00	340.98	345.27	347.98	2.71	346.96	1.69	344.76	346.22	0.007023	4.34	283.27	93.42	0.80
scrivia	vall	33 VAR-22	Q200	1479.00	340.98	345.74	347.98	2.24	346.96	1.22	345.16	346.77	0.006725	4.50	328.52	99.10	0.79
scrivia	vall	33 VAR-22	Q500	1636.00	340.98	346.01	347.98	1.97	346.96	0.95	345.39	347.09	0.006507	4.59	356.54	101.90	0.78
scrivia	vall	32 VAR-21	Q50	1229.00	340.59	345.13	347.99	2.86	349.62	4.49	344.32	345.98	0.005373	4.07	301.62	89.37	0.71
scrivia	vall	32 VAR-21	Q200	1479.00	340.59	345.59	347.99	2.40	349.62	4.03	344.74	346.53	0.005408	4.31	343.34	93.95	0.72
scrivia	vall	32 VAR-21	Q500	1636.00	340.59	345.86	347.99	2.13	349.62	3.76	344.98	346.86	0.005425	4.43	369.16	97.00	0.73
scrivia	vall	31 VAR-20	Q50	1229.00	340.51	344.93	347.95	3.02	347.69	2.76	344.12	345.63	0.005156	3.71	331.23	110.57	0.68
scrivia	vall	31 VAR-20	Q200	1479.00	340.51	345.44	347.95	2.51	347.69	2.25	344.49	346.18	0.004729	3.79	390.30	118.19	0.67
scrivia	vall	31 VAR-20	Q500	1636.00	340.51	345.75	347.95	2.20	347.69	1.94	344.71	346.50	0.004513	3.83	426.89	122.67	0.66
scrivia	vall	28 VAR-17	Q50	1229.00	340.52	344.78	345.08	0.30	343.83	-0.95	343.74	345.38	0.003739	3.42	359.15	105.12	0.59
scrivia	vall	28 VAR-17	Q200	1479.00	340.52	345.30	345.08	-0.22	343.83	-1.47	344.07	345.95	0.003424	3.57	414.52	112.07	0.58
scrivia	vall	28 VAR-17	Q500	1636.00	340.52	345.60	345.08	-0.52	343.83	-1.77	344.26	346.29	0.003277	3.67	449.58	120.81	0.57
scrivia	vall	27 VAR-16	Q50	1229.00	340.51	344.71	345.11	0.40	345.10	0.39	343.63	345.19	0.003419	3.06	402.18	132.15	0.56
scrivia	vall	27 VAR-16	Q200	1479.00	340.51	345.27	345.11	-0.16	345.10	-0.17	343.94	345.75	0.003411	3.08	480.13	161.49	0.56
scrivia	vall	27 VAR-16	Q500	1636.00	340.51	345.61	345.11	-0.50	345.10	-0.51	344.12	346.09	0.002940	3.07	538.05	176.93	0.53
scrivia	vall	26 VAR-15	Q50	1229.00	339.66	344.72	345.32	0.60	343.40	-1.32	343.16	345.08	0.002113	2.65	463.74	129.42	0.45
scrivia	vall	26 VAR-15	Q200	1479.00	339.66	345.26	345.32	0.06	343.40	-1.86	343.47	345.65	0.001937	2.77	534.28	130.19	0.44

HEC-RAS Plan: 2_Sett2011 Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
scrivia	vall	26 VAR-15	Q500	1636.00	339.66	345.59	345.32	-0.27	343.40	-2.19	343.65	346.00	0.001836	2.83	578.54	137.58	0.43
scrivia	vall	25 VAR-14	Q50	1229.00	339.44	344.74	348.28	3.54	345.00	0.26	342.88	345.01	0.001747	2.26	543.24	168.32	0.40
scrivia	vall	25 VAR-14	Q200	1479.00	339.44	345.31	348.28	2.97	345.00	-0.31	343.19	345.58	0.001536	2.31	640.48	174.27	0.38
scrivia	vall	25 VAR-14	Q500	1636.00	339.44	345.65	348.28	2.63	345.00	-0.65	343.39	345.93	0.001405	2.34	700.34	174.68	0.37
scrivia	vall	24 VAR-13	Q50	1229.00	338.16	344.70	353.73	9.03	343.19	-1.51	342.71	344.95	0.001401	2.21	555.97	147.16	0.36
scrivia	vall	24 VAR-13	Q200	1479.00	338.16	345.26	353.73	8.47	343.19	-2.07	343.04	345.53	0.001295	2.32	638.04	147.20	0.36
scrivia	vall	24 VAR-13	Q500	1636.00	338.16	345.59	353.73	8.14	343.19	-2.40	343.22	345.88	0.001241	2.38	687.66	147.23	0.35
scrivia	vall	23 VAR-12	Q50	1229.00	338.59	344.59	352.50	7.91	345.73	1.14	342.88	344.88	0.002177	2.37	518.63	175.43	0.44
scrivia	vall	23 VAR-12	Q200	1479.00	338.59	345.19	352.50	7.31	345.73	0.54	343.22	345.47	0.001943	2.34	631.95	200.30	0.42
scrivia	vall	23 VAR-12	Q500	1636.00	338.59	345.55	352.50	6.95	345.73	0.18	343.39	345.82	0.001854	2.32	706.16	219.63	0.41
scrivia	vall	22 VAR-11	Q50	1229.00	338.07	344.54	351.39	6.85	344.14	-0.40	342.64	344.82	0.001753	2.36	521.30	149.20	0.40
scrivia	vall	22 VAR-11	Q200	1479.00	338.07	345.12	351.39	6.27	344.14	-0.98	342.99	345.42	0.001544	2.43	607.71	150.07	0.39
scrivia	vall	22 VAR-11	Q500	1636.00	338.07	345.46	351.39	5.93	344.14	-1.32	343.20	345.77	0.001457	2.48	658.56	150.59	0.38
scrivia	vall	21 VAR-10	Q50	1229.00	338.82	344.42	349.42	5.00	344.14	-0.28	342.59	344.75	0.002074	2.54	483.42	141.55	0.44
scrivia	vall	21 VAR-10	Q200	1479.00	338.82	345.01	349.42	4.41	344.14	-0.87	343.00	345.35	0.001809	2.61	567.34	143.79	0.42
scrivia	vall	21 VAR-10	Q500	1636.00	338.82	345.35	349.42	4.07	344.14	-1.21	343.20	345.71	0.001689	2.65	616.62	143.96	0.41
scrivia	vall	20 VAR-9	Q50	1229.00	338.74	343.87	348.57	4.70	342.53	-1.34	342.61	344.56	0.003720	3.70	332.50	83.90	0.59
scrivia	vall	20 VAR-9	Q200	1479.00	338.74	344.39	348.57	4.18	342.53	-1.86	343.00	345.17	0.003665	3.93	376.56	85.10	0.60
scrivia	vall	20 VAR-9	Q500	1636.00	338.74	344.69	348.57	3.88	342.53	-2.16	343.24	345.53	0.003642	4.07	401.88	85.10	0.60
scrivia	vall	19 VAR-8	Q50	1229.00	338.79	343.46	347.99	4.53	343.69	0.23	342.52	344.35	0.005365	4.18	294.12	82.69	0.71
scrivia	vall	19 VAR-8	Q200	1479.00	338.79	344.03	347.99	3.96	343.69	-0.34	342.97	344.97	0.004960	4.29	347.76	98.52	0.69
scrivia	vall	19 VAR-8	Q500	1636.00	338.79	344.38	347.99	3.61	343.69	-0.69	343.24	345.34	0.004572	4.35	381.87	98.52	0.67
scrivia	vall	18 VAR-7	Q50	1229.00	337.00	343.75	346.83	3.08	343.49	-0.26	341.05	344.06	0.001219	2.48	496.87	113.01	0.35
scrivia	vall	18 VAR-7	Q200	1479.00	337.00	344.33	346.83	2.50	343.49	-0.84	341.41	344.69	0.001228	2.66	565.83	120.72	0.36
scrivia	vall	18 VAR-7	Q500	1636.00	337.00	344.67	346.83	2.16	343.49	-1.18	341.62	345.06	0.001221	2.76	607.79	120.85	0.36
scrivia	vall	17 VAR-6	Q50	1229.00	337.34	343.47	347.19	3.72	343.16	-0.31	341.67	343.95	0.002545	3.08	399.12	102.38	0.50
scrivia	vall	17 VAR-6	Q200	1479.00	337.34	344.05	347.19	3.14	343.16	-0.89	342.13	344.58	0.002356	3.23	458.52	102.38	0.49
scrivia	vall	17 VAR-6	Q500	1636.00	337.34	344.39	347.19	2.80	343.16	-1.23	342.35	344.95	0.002272	3.31	493.68	102.38	0.48
scrivia	vall	16 16	Q50	1229.00	337.44	343.27	343.61	0.34	343.66	0.39	341.56	343.82	0.002642	3.29	374.14	91.10	0.51
scrivia	vall	16 16	Q200	1479.00	337.44	343.84	343.61	-0.23	343.66	-0.18	342.00	344.45	0.002538	3.46	431.44	106.39	0.51
scrivia	vall	16 16	Q500	1636.00	337.44	344.19	343.61	-0.58	343.66	-0.53	342.23	344.83	0.002426	3.55	469.34	110.94	0.51
scrivia	vall	15.8 15.8		Bridge													
scrivia	vall	15.5 15.5	Q50	1229.00	337.44	342.76	343.61	0.85	341.58	-1.18	341.53	343.48	0.003606	3.79	329.19	87.45	0.60
scrivia	vall	15.5 15.5	Q200	1479.00	337.44	343.32	343.61	0.29	341.58	-1.74	341.97	344.12	0.003388	3.98	379.73	93.54	0.59
scrivia	vall	15.5 15.5	Q500	1636.00	337.44	343.66	343.61	-0.05	341.58	-2.08	342.22	344.50	0.003265	4.08	413.34	104.86	0.58
scrivia	vall	15.4 15.4	Q50	1229.00	336.74	342.93	342.91	-0.02	340.88	-2.05	340.83	343.41	0.001885	3.09	410.08	104.55	0.44
scrivia	vall	15.4 15.4	Q200	1479.00	336.74	343.51	342.91	-0.60	340.88	-2.63	341.27	344.04	0.001842	3.29	472.32	111.56	0.45
scrivia	vall	15.4 15.4	Q500	1636.00	336.74	343.85	342.91	-0.94	340.88	-2.97	341.52	344.42	0.001812	3.39	512.04	119.50	0.45

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
vall	12.8		Bridge													
vall	12.5	Q50	1229.00	335.02	339.22	340.34	1.12	340.66	1.44	339.58	340.74	0.019617	5.46	225.09	114.38	1.24
vall	12.5	Q200	1479.00	335.02	339.52	340.34	0.82	340.66	1.14	339.89	341.15	0.019550	5.66	261.24	125.35	1.25
vall	12.5	Q500	1636.00	335.02	339.69	340.34	0.65	340.66	0.97	340.08	341.39	0.019194	5.78	282.87	129.59	1.25
vall	12	Q50	1229.00	333.38	338.41	340.01	1.60	340.04	1.63	337.10	338.83	0.002784	2.85	431.15	133.40	0.51
vall	12	Q200	1479.00	333.38	338.87	340.01	1.14	340.04	1.17	337.41	339.33	0.002690	3.00	493.53	138.04	0.51
vall	12	Q500	1636.00	333.38	339.12	340.01	0.89	340.04	0.92	337.59	339.61	0.002684	3.10	528.49	140.56	0.51
vall	11	Q50	1229.00	332.03	337.29	338.23	0.94	338.34	1.05	336.28	337.94	0.005250	3.56	345.28	123.47	0.68
vall	11	Q200	1479.00	332.03	337.85	338.23	0.38	338.34	0.49	336.79	338.47	0.005086	3.51	421.44	150.61	0.67
vall	11	Q500	1636.00	332.03	338.16	338.23	0.07	338.34	0.18	336.97	338.78	0.004866	3.47	471.68	166.10	0.66
vall	10.3	Q50	1229.00	328.89	335.77	333.44	-2.33	340.00	4.23	334.54	336.52	0.003032	3.98	349.31	107.79	0.56
vall	10.3	Q200	1479.00	328.89	336.29	333.44	-2.85	340.00	3.71	334.98	337.08	0.002961	4.16	405.34	108.04	0.56
vall	10.3	Q500	1636.00	328.89	336.59	333.44	-3.15	340.00	3.41	335.24	337.42	0.002921	4.26	438.38	108.19	0.56
vall	10.2	Q50	1229.00	329.00	335.52	333.24	-2.28	340.00	4.48	334.19	336.19	0.002668	3.79	363.19	97.07	0.53
vall	10.2	Q200	1479.00	329.00	336.03	333.24	-2.79	340.00	3.97	334.76	336.77	0.002694	4.02	412.26	97.27	0.53
vall	10.2	Q500	1636.00	329.00	336.32	333.24	-3.08	340.00	3.68	335.01	337.11	0.002709	4.15	441.09	97.39	0.54
vall	10.1	Q50	1229.00	328.69	335.34	336.02	0.68	340.00	4.66	333.81	335.93	0.003005	3.40	361.61	88.39	0.54
vall	10.1	Q200	1479.00	328.69	335.83	336.02	0.19	340.00	4.17	334.22	336.51	0.003101	3.65	405.53	91.23	0.55
vall	10.1	Q500	1636.00	328.69	336.12	336.02	-0.10	340.00	3.88	334.47	336.85	0.003109	3.78	436.17	104.20	0.56
vall	10	Q50	1229.00	329.04	335.20	334.59	-0.61	334.11	-1.09	333.69	335.65	0.002615	3.01	423.44	133.59	0.50
vall	10	Q200	1479.00	329.04	335.74	334.59	-1.15	334.11	-1.63	334.10	336.22	0.002324	3.11	497.39	138.42	0.48
vall	10	Q500	1636.00	329.04	336.06	334.59	-1.47	334.11	-1.95	334.35	336.55	0.002187	3.17	542.56	141.28	0.47
vall	9.8		Bridge													
vall	9.5	Q50	1229.00	329.04	333.08	334.59	1.51	334.11	1.03	333.69	335.21	0.022300	6.47	190.07	82.24	1.36
vall	9.5	Q200	1479.00	329.04	333.40	334.59	1.19	334.11	0.71	334.10	335.76	0.022334	6.81	217.28	86.88	1.37
vall	9.5	Q500	1636.00	329.04	333.58	334.59	1.01	334.11	0.53	334.35	336.09	0.022511	7.02	233.17	89.48	1.39
vall	9.4	Q50	1229.00	328.96	334.44	339.16	4.72	332.42	-2.02	332.49	334.84	0.001858	2.82	436.46	97.90	0.43
vall	9.4	Q200	1479.00	328.96	334.99	339.16	4.18	332.42	-2.57	332.82	335.45	0.001858	3.02	489.82	97.99	0.43
vall	9.4	Q500	1636.00	328.96	335.35	339.16	3.81	332.42	-2.93	333.02	335.84	0.001813	3.11	525.71	98.05	0.43
vall	9.3	Q50	1229.00	328.36	334.35	339.06	4.71	331.88	-2.47	332.53	334.70	0.001808	2.64	466.22	114.47	0.42
vall	9.3	Q200	1479.00	328.36	334.91	339.06	4.15	331.88	-3.03	332.84	335.30	0.001725	2.79	530.44	114.56	0.41

Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Isolabuona

Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Isolabuona

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
vall	9.3	Q500	1636.00	328.36	335.29	339.06	3.77	331.88	-3.41	333.01	335.70	0.001638	2.85	573.78	114.62	0.41
vall	9.1	Q50	1229.00	327.20	333.99	335.00	1.01	335.51	1.52	332.40	334.33	0.002028	2.59	474.48	134.37	0.44
vall	9.1	Q200	1479.00	327.20	334.60	335.00	0.40	335.51	0.91	332.70	334.96	0.001771	2.65	557.35	137.31	0.42
vall	9.1	Q500	1636.00	327.20	335.01	335.00	-0.01	335.51	0.50	332.87	335.38	0.001596	2.66	614.65	139.26	0.40
vall	9	Q50	1252.00	326.74	332.63	335.48	2.85	333.90	1.27	331.41	333.63	0.004639	4.43	282.73	64.80	0.68
vall	9	Q200	1503.00	326.74	333.11	335.48	2.37	333.90	0.79	331.96	334.27	0.005067	4.77	314.78	68.75	0.71
vall	9	Q500	1659.00	326.74	333.55	335.48	1.93	333.90	0.35	332.25	334.71	0.005681	4.77	347.91	86.26	0.75
vall	8.5	Q50	1252.00	326.39	331.17	335.00	3.83	331.35	0.18	330.76	332.38	0.007597	4.88	256.78	74.86	0.84
vall	8.5	Q200	1503.00	326.39	331.64	335.00	3.36	331.35	-0.29	331.19	332.99	0.007315	5.14	292.22	76.00	0.84
vall	8.5	Q500	1659.00	326.39	331.91	335.00	3.09	331.35	-0.56	331.43	333.34	0.007167	5.30	313.14	76.36	0.84
vall	8	Q50	1252.00	324.55	330.52	329.27	-1.25	329.94	-0.58	328.75	331.14	0.002543	3.51	371.01	100.32	0.51
vall	8	Q200	1503.00	324.55	331.07	329.27	-1.80	329.94	-1.13	329.17	331.75	0.002482	3.72	431.02	115.90	0.51
vall	8	Q500	1659.00	324.55	331.42	329.27	-2.15	329.94	-1.48	329.43	332.13	0.002389	3.80	471.81	118.79	0.51
vall	7.8		Bridge													
vall	7.5	Q50	1252.00	324.55	330.21	329.27	-0.94	329.94	-0.27	328.75	330.93	0.003216	3.78	340.70	95.03	0.56
vall	7.5	Q200	1503.00	324.55	330.72	329.27	-1.45	329.94	-0.78	329.17	331.53	0.003179	4.03	391.44	107.12	0.57
vall	7.5	Q500	1659.00	324.55	331.03	329.27	-1.76	329.94	-1.09	329.43	331.88	0.003116	4.15	426.10	115.73	0.57
vall	7	Q50	1252.00	324.33	330.02	328.75	-1.27	329.51	-0.51	328.65	330.71	0.003222	3.72	347.55	99.49	0.57
vall	7	Q200	1503.00	324.33	330.54	328.75	-1.79	329.51	-1.03	329.12	331.31	0.003141	3.95	409.31	138.35	0.57
vall	7	Q500	1659.00	324.33	330.88	328.75	-2.13	329.51	-1.37	329.36	331.66	0.002944	4.00	459.15	151.59	0.56
vall	6.8		Bridge													
vall	6.5	Q50	1252.00	324.33	328.10	328.75	0.65	329.51	1.41	328.65	330.38	0.021118	6.69	187.14	73.32	1.34
vall	6.5	Q200	1503.00	324.33	328.47	328.75	0.28	329.51	1.04	329.12	330.97	0.019761	7.01	214.54	74.34	1.32
vall	6.5	Q500	1659.00	324.33	328.70	328.75	0.05	329.51	0.81	329.36	331.32	0.018960	7.17	231.47	74.97	1.30
vall	6.3	Q50	1252.00	322.35	328.17	325.40	-2.77	325.15	-3.02	326.36	328.70	0.002182	3.25	392.65	85.30	0.48
vall	6.3	Q200	1503.00	322.35	328.76	325.40	-3.36	325.15	-3.61	326.74	329.37	0.002121	3.47	443.80	87.30	0.48
vall	6.3	Q500	1659.00	322.35	328.89	325.40	-3.49	325.15	-3.74	326.94	329.59	0.002379	3.73	455.34	87.30	0.51
vall	6.2	Q50	1252.00	322.15	328.22	327.10	-1.12	330.40	2.18	326.15	328.60	0.002169	2.72	461.03	125.81	0.45
vall	6.2	Q200	1503.00	322.15	328.86	327.10	-1.76	330.40	1.54	326.55	329.25	0.001860	2.79	541.12	126.79	0.43
vall	6.2	Q500	1659.00	322.15	329.02	327.10	-1.92	330.40	1.38	327.07	329.46	0.002015	2.96	561.12	127.03	0.45

Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Campi sportivi

Tratto modificato dalla variante 2016. Vedere tratto Scrivia - Campi sportivi

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
vall	6.1	Q50	1252.00	322.00	328.21	326.80	-1.41	329.45	1.24	325.94	328.55	0.001603	2.64	491.64	122.50	0.40
vall	6.1	Q200	1503.00	322.00	328.84	326.80	-2.04	329.45	0.61	326.42	329.21	0.001499	2.73	570.01	125.95	0.39
vall	6.1	Q500	1659.00	322.00	329.00	326.80	-2.20	329.45	0.45	326.81	329.42	0.001666	2.91	589.81	127.51	0.42
vall	6	Q50	1252.00	319.67	326.69	328.14	1.45	331.57	4.88	325.06	327.48	0.003244	3.94	317.85	65.47	0.57
vall	6	Q200	1503.00	319.67	327.42	328.14	0.72	331.57	4.15	325.53	328.28	0.003042	4.11	366.13	67.09	0.56
vall	6	Q500	1659.00	319.67	328.23	328.14	-0.09	331.57	3.34	325.82	328.46	0.000933	2.44	844.94	222.48	0.32
vall	5	Q50	1252.00	319.12	325.79	325.50	-0.29	323.91	-1.88	324.01	326.57	0.002920	3.99	357.88	133.05	0.54
vall	5	Q200	1503.00	319.12	326.96	325.50	-1.46	323.91	-3.05	324.53	327.51	0.001770	3.52	514.65	135.73	0.43
vall	5	Q500	1659.00	319.12	327.64	325.50	-2.14	323.91	-3.73	325.54	328.11	0.001387	3.32	606.73	137.27	0.39
vall	4.8		Bridge													
vall	4.5	Q50	1252.00	319.12	325.28	325.50	0.22	323.91	-1.37	324.01	326.37	0.004444	4.63	271.83	55.62	0.65
vall	4.5	Q200	1503.00	319.12	326.56	325.50	-1.06	323.91	-2.65	324.53	327.25	0.002354	3.90	460.16	134.80	0.49
vall	4.5	Q500	1659.00	319.12	327.26	325.50	-1.76	323.91	-3.35	325.54	327.83	0.001763	3.62	555.41	136.41	0.43
vall	4	Q50	1252.00	318.35	325.18	325.75	0.57	327.76	2.58	322.89	325.87	0.002561	3.67	341.10	59.29	0.49
vall	4	Q200	1503.00	318.35	326.41	325.75	-0.66	327.76	1.35	323.37	326.98	0.001796	3.41	468.01	84.82	0.42
vall	4	Q500	1659.00	318.35	327.09	325.75	-1.34	327.76	0.67	323.65	327.63	0.001570	3.36	525.67	85.91	0.40
vall	3.8		Bridge													
vall	3.5	Q50	1252.00	318.35	324.65	325.75	1.10	327.76	3.11	322.89	325.48	0.003417	4.04	310.03	58.35	0.56
vall	3.5	Q200	1503.00	318.35	325.92	325.75	-0.17	327.76	1.84	323.37	326.61	0.002330	3.73	426.64	84.02	0.47
vall	3.5	Q500	1659.00	318.35	326.72	325.75	-0.97	327.76	1.04	323.65	327.33	0.001880	3.57	493.73	85.30	0.43
vall	3.4	Q50	1252.00	316.85	324.97	323.13	-1.84	326.26	1.29	321.39	325.35	0.001181	2.81	473.44	84.90	0.34
vall	3.4	Q200	1503.00	316.85	326.14	323.13	-3.01	326.26	0.12	321.87	326.51	0.000976	2.78	574.24	86.80	0.32
vall	3.4	Q500	1659.00	316.85	326.89	323.13	-3.76	326.26	-0.63	322.15	327.26	0.000851	2.76	640.12	87.97	0.30
vall	3	Q50	1252.00	315.45	324.63	322.37	-2.26	322.75	-1.88	320.15	324.98	0.000862	2.70	506.50	101.99	0.30
vall	3	Q200	1503.00	315.45	325.88	322.37	-3.51	322.75	-3.13	320.66	326.21	0.000691	2.65	634.04	101.99	0.28
vall	3	Q500	1659.00	315.45	326.67	322.37	-4.30	322.75	-3.92	320.96	326.99	0.000605	2.62	716.47	105.43	0.26
vall	2.8		Bridge													
vall	2.5	Q50	1252.00	315.45	324.50	322.37	-2.13	322.75	-1.75	320.15	324.87	0.000917	2.75	493.78	101.44	0.31
vall	2.5	Q200	1503.00	315.45	325.73	322.37	-3.36	322.75	-2.98	320.66	326.07	0.000738	2.71	618.74	101.99	0.28
vall	2.5	Q500	1659.00	315.45	326.51	322.37	-4.14	322.75	-3.76	320.96	326.84	0.000647	2.68	699.53	105.43	0.27

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
vall	2.2	Q50	1252.00	316.45	324.19	325.50	1.31	326.10	1.91	321.19	324.72	0.001706	3.22	389.08	59.58	0.40
vall	2.2	Q200	1503.00	316.45	325.40	325.50	0.10	326.10	0.70	321.64	325.94	0.001451	3.25	465.59	64.62	0.37
vall	2.2	Q500	1659.00	316.45	326.19	325.50	-0.69	326.10	-0.09	321.92	326.72	0.001292	3.25	517.27	70.50	0.36
vall	2	Q50	1252.00	315.10	324.26	324.79	0.53	325.13	0.87	319.85	324.57	0.000800	2.48	505.13	68.68	0.29
vall	2	Q200	1503.00	315.10	325.48	324.79	-0.69	325.13	-0.35	320.35	325.81	0.000708	2.55	592.44	75.90	0.28
vall	2	Q500	1659.00	315.10	326.26	324.79	-1.47	325.13	-1.13	320.63	326.60	0.000639	2.57	652.11	75.90	0.27
vall	1.8		Bridge													
vall	1.5	Q50	1252.00	315.10	323.46	324.79	1.33	325.13	1.67	319.85	323.85	0.001138	2.78	450.26	68.07	0.35
vall	1.5	Q200	1503.00	315.10	324.28	324.79	0.51	325.13	0.85	320.35	324.73	0.001143	2.97	506.63	68.69	0.35
vall	1.5	Q500	1659.00	315.10	324.77	324.79	0.02	325.13	0.36	320.63	325.25	0.001146	3.07	540.01	69.06	0.35
vall	1	Q50	1252.00	314.93	321.40	326.98	5.58	327.86	6.46	321.40	323.64	0.011147	6.63	188.79	42.53	1.00
vall	1	Q200	1503.00	314.93	322.01	326.98	4.97	327.86	5.85	322.01	324.50	0.010910	6.99	214.90	43.38	1.00
vall	1	Q500	1659.00	314.93	322.36	326.98	4.62	327.86	5.50	322.36	325.01	0.010853	7.21	230.09	43.87	1.00
vall	0.96	Q50	1252.00	314.90	318.14	317.90	-0.24	324.30	6.16	319.52	322.82	0.040582	9.64	132.75	51.67	1.83
vall	0.96	Q200	1503.00	314.90	318.51	317.90	-0.61	324.30	5.79	320.03	323.67	0.038586	10.16	151.96	51.74	1.81
vall	0.96	Q500	1659.00	314.90	318.73	317.90	-0.83	324.30	5.57	320.34	324.17	0.037526	10.44	163.44	51.79	1.80
vall	0.95	Q50	1252.00	314.70	319.75	317.50	-2.25	324.40	4.65	319.38	321.30	0.007577	5.58	231.41	56.86	0.85
vall	0.95	Q200	1503.00	314.70	320.49	317.50	-2.99	324.40	3.91	319.88	322.08	0.006524	5.68	273.31	57.17	0.80
vall	0.95	Q500	1659.00	314.70	321.00	317.50	-3.50	324.40	3.40	320.16	322.58	0.005795	5.67	302.68	57.38	0.77
vall	0.94	Q50	1252.00	314.60	319.25	317.30	-1.95	325.70	6.45	319.08	320.86	0.009142	5.74	226.48	61.45	0.92
vall	0.94	Q200	1503.00	314.60	320.30	317.30	-3.00	325.70	5.40	319.54	321.70	0.005959	5.35	292.04	62.83	0.77
vall	0.94	Q500	1659.00	314.60	320.89	317.30	-3.59	325.70	4.81	319.82	322.23	0.005002	5.25	329.32	63.60	0.71
vall	0.93	Q50	1252.00	312.40	319.59	319.30	-0.29	324.20	4.61	317.04	320.19	0.002521	3.48	373.98	71.84	0.45
vall	0.93	Q200	1503.00	312.40	320.56	319.30	-1.26	324.20	3.64	317.53	321.18	0.002176	3.53	444.35	72.19	0.42
vall	0.93	Q500	1659.00	312.40	321.13	319.30	-1.83	324.20	3.07	317.82	321.76	0.002027	3.57	485.67	72.39	0.41
vall	0.92	Q50	1252.00	311.20	319.49	319.35	-0.14	324.10	4.61	316.36	320.02	0.002516	3.22	388.49	79.16	0.46
vall	0.92	Q200	1503.00	311.20	320.51	319.35	-1.16	324.10	3.59	316.88	321.03	0.001966	3.20	469.10	79.70	0.42
vall	0.92	Q500	1659.00	311.20	321.09	319.35	-1.74	324.10	3.01	317.16	321.62	0.001760	3.22	515.94	80.01	0.40
vall	0.91	Q50	1252.00	310.70	319.35	319.85	0.50	324.00	4.65	316.18	319.95	0.001946	3.43	366.35	57.55	0.42
vall	0.91	Q200	1503.00	310.70	320.30	319.85	-0.45	324.00	3.70	316.75	320.96	0.001850	3.59	421.59	58.42	0.42
vall	0.91	Q500	1659.00	310.70	320.86	319.85	-1.01	324.00	3.14	317.10	321.55	0.001798	3.69	454.17	58.69	0.41

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
vall	0.9	Q50	1252.00	309.20	319.05	317.75	-1.30	324.00	4.95	315.34	319.76	0.002000	3.73	337.12	45.27	0.42
vall	0.9	Q200	1503.00	309.20	319.95	317.75	-2.20	324.00	4.05	316.05	320.77	0.002038	4.00	378.92	47.27	0.43
vall	0.9	Q500	1659.00	309.20	320.48	317.75	-2.73	324.00	3.52	316.42	321.36	0.002057	4.16	404.22	48.44	0.44
vall	0.8	Q50	1252.00	309.10	318.66	324.40	5.74	322.50	3.84	316.16	319.57	0.003361	4.22	296.76	45.18	0.53
vall	0.8	Q200	1503.00	309.10	319.58	324.40	4.82	322.50	2.92	316.74	320.58	0.003316	4.43	339.00	47.14	0.53
vall	0.8	Q500	1659.00	309.10	320.12	324.40	4.28	322.50	2.38	317.09	321.17	0.003285	4.55	364.70	48.29	0.53
vall	0.7	Q50	1252.00	307.60	316.53	323.15	6.62	321.60	5.07	316.53	319.11	0.013671	7.12	175.92	34.28	1.00
vall	0.7	Q200	1503.00	307.60	317.22	323.15	5.93	321.60	4.38	317.22	320.11	0.013489	7.53	199.73	34.91	1.00
vall	0.7	Q500	1659.00	307.60	317.64	323.15	5.51	321.60	3.96	317.64	320.69	0.013309	7.74	214.47	35.30	1.00
vall	0.6	Q50	1252.00	306.85	315.79	320.85	5.06	320.85	5.06	312.84	316.12	0.001197	2.54	493.05	93.36	0.35
vall	0.6	Q200	1503.00	306.85	316.69	320.85	4.16	320.85	4.16	313.26	317.03	0.001050	2.60	578.02	95.13	0.34
vall	0.6	Q500	1659.00	306.85	317.25	320.85	3.59	320.85	3.59	313.50	317.61	0.000969	2.62	632.25	96.24	0.33
vall	0.58		Bridge													
vall	0.55	Q50	1252.00	306.55	315.50	320.55	5.05	320.55	5.05	312.55	315.83	0.001185	2.53	494.70	93.40	0.35
vall	0.55	Q200	1503.00	306.55	316.43	320.55	4.12	320.55	4.12	312.96	316.77	0.001030	2.58	581.61	95.21	0.33
vall	0.55	Q500	1659.00	306.55	317.00	320.55	3.55	320.55	3.55	313.20	317.35	0.000948	2.61	636.76	96.34	0.32
vall	0.4	Q50	1252.00	306.00	315.07	319.50	4.43	319.20	4.13	312.13	315.72	0.002047	3.57	351.05	56.07	0.45
vall	0.4	Q200	1503.00	306.00	315.94	319.50	3.56	319.20	3.26	312.73	316.66	0.001993	3.76	399.84	56.77	0.45
vall	0.4	Q500	1659.00	306.00	316.49	319.50	3.01	319.20	2.71	313.08	317.24	0.001939	3.85	431.07	57.21	0.45
vall	0.3	Q50	1252.00	305.10	314.44	316.95	2.51	318.90	4.46	312.42	315.57	0.003787	4.70	266.39	41.40	0.59
vall	0.3	Q200	1503.00	305.10	315.20	316.95	1.75	318.90	3.70	313.04	316.49	0.003936	5.05	297.82	42.04	0.61
vall	0.3	Q500	1659.00	305.10	315.70	316.95	1.25	318.90	3.20	313.40	317.07	0.003930	5.20	318.88	42.46	0.61
vall	0.29	Q50	1252.00	304.39	313.91	318.30	4.39	319.62	5.71	312.69	315.32	0.005688	5.26	238.25	44.19	0.72
vall	0.29	Q200	1503.00	304.39	314.73	318.30	3.57	319.62	4.89	313.37	316.25	0.005415	5.47	274.92	45.76	0.71
vall	0.29	Q500	1659.00	304.39	315.30	318.30	3.00	319.62	4.32	313.73	316.84	0.005058	5.51	301.15	46.67	0.69
vall	0.281	Q50	1252.00	304.02	313.85	318.33	4.48	319.69	5.84	312.78	315.30	0.005934	5.34	234.64	43.97	0.74
vall	0.281	Q200	1503.00	304.02	314.67	318.33	3.66	319.69	5.02	313.39	316.24	0.005595	5.55	270.93	45.15	0.72
vall	0.281	Q500	1659.00	304.02	315.23	318.33	3.10	319.69	4.46	313.75	316.83	0.005221	5.59	296.77	45.97	0.70
vall	0.28		Bridge													
vall	0.279	Q50	1252.00	304.02	313.06	318.33	5.27	319.69	6.63	312.78	315.05	0.009551	6.26	200.03	42.82	0.92
vall	0.279	Q200	1503.00	304.02	314.19	318.33	4.14	319.69	5.50	313.39	316.04	0.007127	6.02	249.55	44.46	0.81

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
vall	0.279	Q500	1659.00	304.02	314.84	318.33	3.49	319.69	4.85	313.75	316.64	0.006274	5.95	278.70	45.40	0.77
vall	0.27	Q50	1252.00	304.40	313.41	317.95	4.54	319.23	5.82	312.42	314.88	0.005808	5.36	233.52	44.88	0.75
vall	0.27	Q200	1503.00	304.40	314.45	317.95	3.50	319.23	4.78	313.02	315.91	0.004886	5.34	281.30	46.85	0.70
vall	0.27	Q500	1659.00	304.40	315.07	317.95	2.88	319.23	4.16	313.38	316.53	0.004466	5.34	310.70	47.90	0.67
vall	0.26	Q50	1252.00	304.20	312.11	316.00	3.89	316.30	4.19	311.53	314.40	0.008656	6.71	186.48	31.26	0.88
vall	0.26	Q200	1503.00	304.20	312.64	316.00	3.36	316.30	3.66	312.33	315.42	0.009831	7.39	203.33	32.24	0.94
vall	0.26	Q500	1659.00	304.20	312.93	316.00	3.07	316.30	3.37	312.81	316.03	0.010579	7.80	212.74	32.78	0.98
vall	0.25	Q50	1252.00	303.90	312.68	319.20	6.52	315.50	2.82	310.04	313.71	0.003308	4.49	278.78	41.52	0.55
vall	0.25	Q200	1503.00	303.90	313.40	319.20	5.80	315.50	2.10	310.75	314.60	0.003621	4.86	309.24	43.58	0.58
vall	0.25	Q500	1659.00	303.90	313.82	319.20	5.38	315.50	1.68	311.17	315.13	0.003781	5.06	327.77	44.79	0.60
vall	0.24	Q50	1252.00	303.50	311.04	317.90	6.86	316.40	5.36	311.04	313.27	0.012593	6.63	188.90	42.35	1.00
vall	0.24	Q200	1503.00	303.50	311.65	317.90	6.25	316.40	4.75	311.65	314.13	0.012620	6.98	215.48	43.60	1.00
vall	0.24	Q500	1659.00	303.50	312.01	317.90	5.89	316.40	4.39	312.01	314.63	0.012720	7.18	230.92	44.31	1.00
vall	0.2	Q50	1252.00	299.66	304.99	316.26	11.27	316.26	11.27	303.28	305.68	0.002931	3.69	339.15	72.20	0.54
vall	0.2	Q200	1503.00	299.66	305.65	316.26	10.61	316.26	10.61	303.73	306.42	0.002814	3.88	387.79	74.06	0.54
vall	0.2	Q500	1659.00	299.66	306.05	316.26	10.21	316.26	10.21	303.99	306.85	0.002749	3.98	417.26	75.17	0.54
vall	0.18		Bridge													
vall	0.15	Q50	1252.00	299.66	302.49	316.26	13.77	316.26	13.77	303.28	305.33	0.025904	7.45	167.96	65.22	1.48
vall	0.15	Q200	1503.00	299.66	302.82	316.26	13.44	316.26	13.44	303.73	306.03	0.025652	7.94	189.24	66.13	1.50
vall	0.15	Q500	1659.00	299.66	303.01	316.26	13.25	316.26	13.25	303.99	306.45	0.025521	8.22	201.89	66.66	1.51
vall	0.02	Q50	1252.00	285.00	291.85	310.40	18.55	310.72	18.87	289.21	292.55	0.002257	3.71	337.03	53.48	0.47
vall	0.02	Q200	1503.00	285.00	292.73	310.40	17.67	310.72	17.99	289.74	293.51	0.002189	3.91	384.60	54.52	0.47
vall	0.02	Q500	1659.00	285.00	293.26	310.40	17.14	310.72	17.46	290.06	294.08	0.002151	4.01	413.39	55.14	0.47
vall	0.018		Bridge													
vall	0.015	Q50	1252.00	285.00	291.08	310.40	19.32	310.72	19.64	289.28	292.02	0.003436	4.29	291.81	52.34	0.58
vall	0.015	Q200	1503.00	285.00	291.84	310.40	18.56	310.72	18.88	289.82	292.88	0.003356	4.53	331.92	53.27	0.58
vall	0.015	Q500	1659.00	285.00	292.29	310.40	18.11	310.72	18.43	290.13	293.40	0.003309	4.66	356.17	53.83	0.58
vall	0.0085	Q50	1252.00	280.10	286.28	288.80	2.52	298.80	12.52	284.26	287.22	0.003519	4.29	291.97	47.43	0.55
vall	0.0085	Q200	1503.00	280.10	287.04	288.80	1.76	298.80	11.76	284.80	288.11	0.003564	4.58	327.84	47.48	0.56
vall	0.0085	Q500	1659.00	280.10	287.48	288.80	1.32	298.80	11.32	285.11	288.64	0.003595	4.75	348.99	47.51	0.56

HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
vall	0.0082		Bridge													
vall	0.008	Q50	1252.00	280.10	283.37	288.80	5.43	298.80	15.43	284.26	286.73	0.025739	8.12	154.22	47.23	1.43
vall	0.008	Q200	1503.00	280.10	283.80	288.80	5.00	298.80	15.00	284.80	287.59	0.025257	8.63	174.15	47.26	1.44
vall	0.008	Q500	1659.00	280.10	284.05	288.80	4.75	298.80	14.75	285.11	288.10	0.024950	8.91	186.16	47.27	1.43
vall	0.007	Q50	1497.00	277.26	282.29	290.47	8.18	299.57	17.28	281.95	284.06	0.008294	5.90	253.86	57.40	0.90
vall	0.007	Q200	1790.00	277.26	282.97	290.47	7.50	299.57	16.60	282.49	284.87	0.007619	6.10	293.29	58.56	0.87
vall	0.007	Q500	1973.00	277.26	283.42	290.47	7.05	299.57	16.15	282.81	285.36	0.007121	6.17	319.70	59.32	0.85
vall	0.006	Q50	1497.00	274.93	281.87	278.60	-3.27	287.83	5.96	280.74	282.89	0.004197	4.55	338.46	75.03	0.66
vall	0.006	Q200	1790.00	274.93	282.79	278.60	-4.19	287.83	5.04	281.23	283.79	0.003394	4.51	408.92	77.48	0.61
vall	0.006	Q500	1973.00	274.93	283.34	278.60	-4.74	287.83	4.49	281.51	284.34	0.003050	4.50	452.18	78.95	0.58
vall	0.0055	Q50	1497.00	272.60	280.57	281.75	1.18	288.96	8.39	278.61	281.80	0.004061	4.90	305.21	45.36	0.60
vall	0.0055	Q200	1790.00	272.60	281.40	281.75	0.35	288.96	7.56	279.23	282.79	0.004106	5.22	342.67	45.67	0.61
vall	0.0055	Q500	1973.00	272.60	281.88	281.75	-0.13	288.96	7.08	279.60	283.37	0.004136	5.41	364.96	45.80	0.61
vall	0.0052		Bridge													
vall	0.005	Q50	1497.00	272.60	277.73	281.75	4.02	288.96	11.23	278.61	281.35	0.021306	8.43	177.63	44.30	1.34
vall	0.005	Q200	1790.00	272.60	278.24	281.75	3.51	288.96	10.72	279.23	282.31	0.020956	8.93	200.38	44.49	1.34
vall	0.005	Q500	1973.00	272.60	278.55	281.75	3.20	288.96	10.41	279.60	282.88	0.020763	9.22	214.07	44.60	1.34
vall	0.0045	Q50	1497.00	263.00	268.82	283.00	14.18	283.00	14.18	267.61	270.28	0.005857	5.36	279.44	48.00	0.71
vall	0.0045	Q200	1790.00	263.00	269.54	283.00	13.46	283.00	13.46	268.21	271.20	0.005861	5.70	313.99	48.00	0.71
vall	0.0045	Q500	1973.00	263.00	269.93	283.00	13.07	283.00	13.07	268.55	271.72	0.005980	5.93	332.55	48.00	0.72
vall	0.0042		Bridge													
vall	0.004	Q50	1497.00	263.00	268.12	283.00	14.88	283.00	14.88	267.62	270.01	0.008707	6.09	245.75	48.00	0.86
vall	0.004	Q200	1790.00	263.00	268.51	283.00	14.49	283.00	14.49	268.21	270.84	0.009908	6.77	264.59	48.00	0.92
vall	0.004	Q500	1973.00	263.00	268.16	283.00	14.84	283.00	14.84	268.55	271.39	0.014803	7.97	247.46	48.00	1.12
vall	0.003	Q50	1497.00	262.39	266.91	266.55	-0.36	267.31	0.40	266.91	268.77	0.011170	6.04	247.75	67.16	1.00
vall	0.003	Q200	1790.00	262.39	267.40	266.55	-0.85	267.31	-0.09	267.40	269.47	0.010851	6.38	280.54	68.36	1.00
vall	0.003	Q500	1973.00	262.39	267.68	266.55	-1.13	267.31	-0.37	267.68	269.89	0.010648	6.59	299.74	69.20	1.00
vall	0.002	Q50	1497.00	261.80	265.37	266.50	1.13	275.00	9.63	264.79	266.10	0.005831	3.78	395.67	138.60	0.71
vall	0.002	Q200	1790.00	261.80	266.00	266.50	0.50	275.00	9.00	265.08	266.70	0.004377	3.71	482.31	139.71	0.64
vall	0.002	Q500	1973.00	261.80	266.40	266.50	0.10	275.00	8.60	265.26	267.08	0.003708	3.66	539.03	140.42	0.60

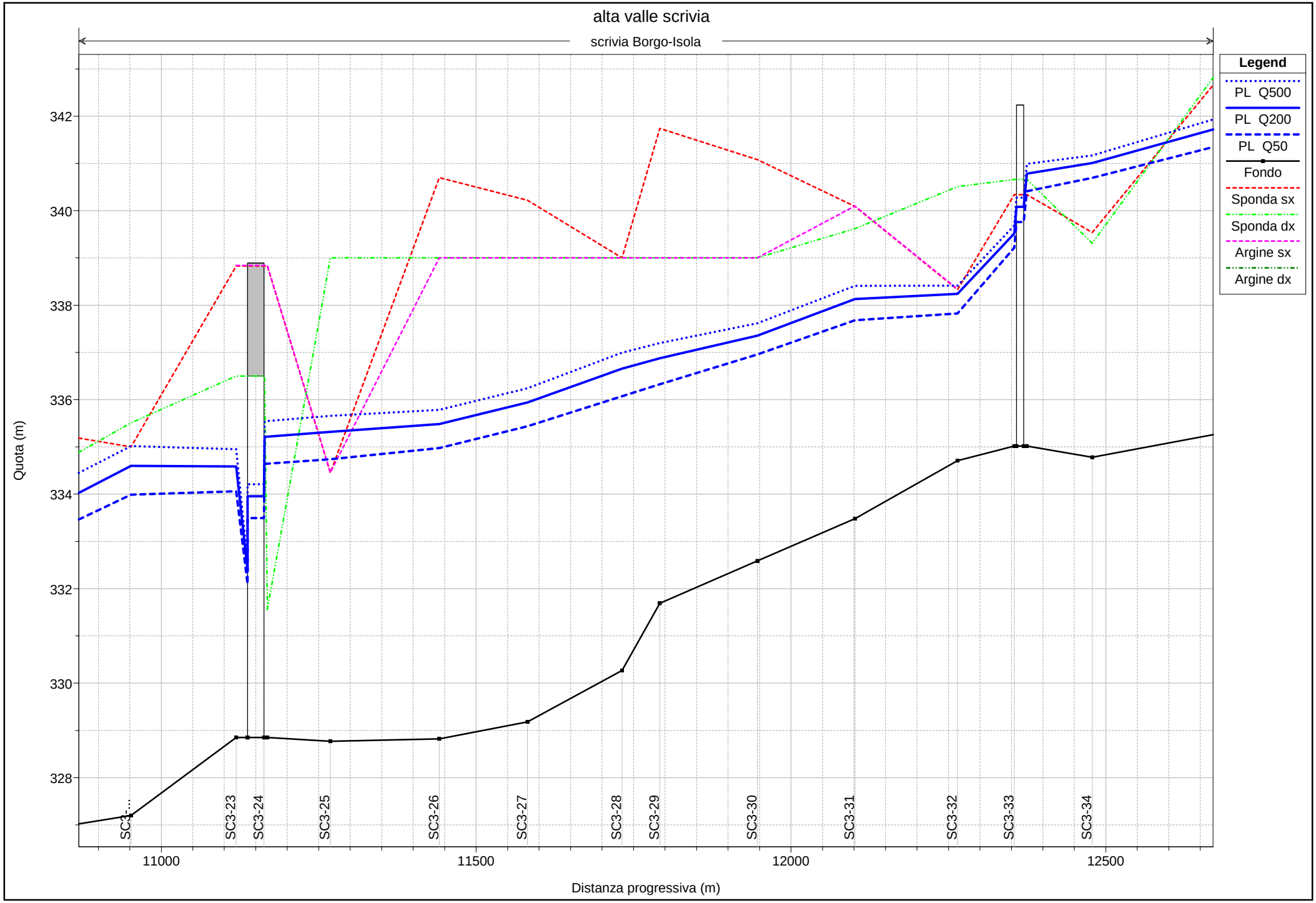
HEC-RAS Plan: 06_RevF (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
vall	0.0015	Q50	1497.00	255.00	262.20	277.10	14.90	277.10	14.90	259.45	262.94	0.002257	3.82	391.62	60.07	0.48
vall	0.0015	Q200	1790.00	255.00	263.16	277.10	13.94	277.10	13.94	260.00	263.96	0.002134	3.98	449.90	61.66	0.47
vall	0.0015	Q500	1973.00	255.00	263.74	277.10	13.36	277.10	13.36	260.33	264.58	0.002066	4.06	485.79	62.61	0.47
vall	0.0012		Bridge													
vall	0.001	Q50	1497.00	255.00	258.25	277.10	18.85	277.10	18.85	259.45	262.34	0.030941	8.96	167.06	53.74	1.62
vall	0.001	Q200	1790.00	255.00	258.61	277.10	18.49	277.10	18.49	260.00	263.30	0.031321	9.60	186.48	54.25	1.65
vall	0.001	Q500	1973.00	255.00	258.82	277.10	18.28	277.10	18.28	260.33	263.88	0.031520	9.96	198.06	54.55	1.67

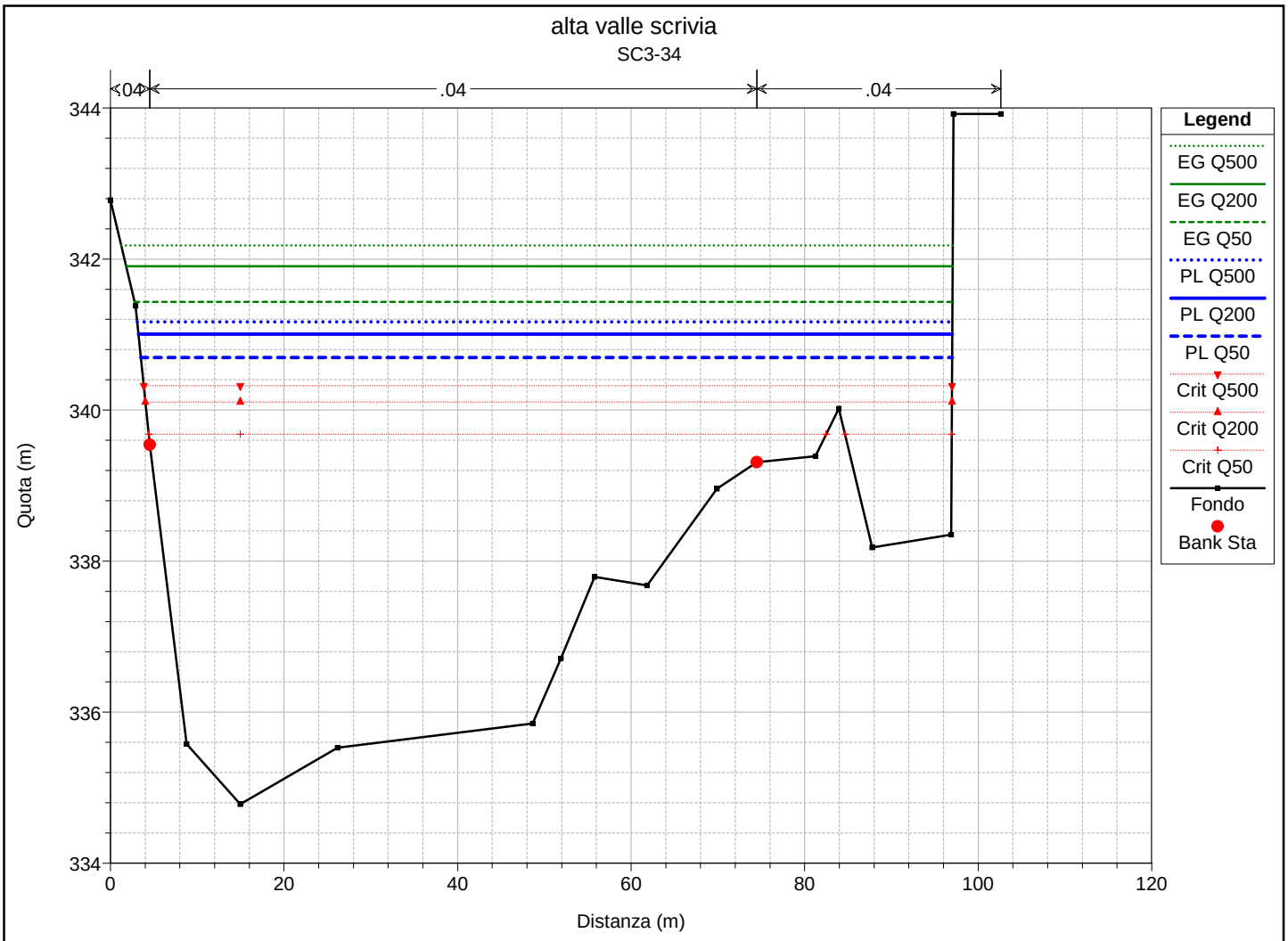
Torrente Scrivia

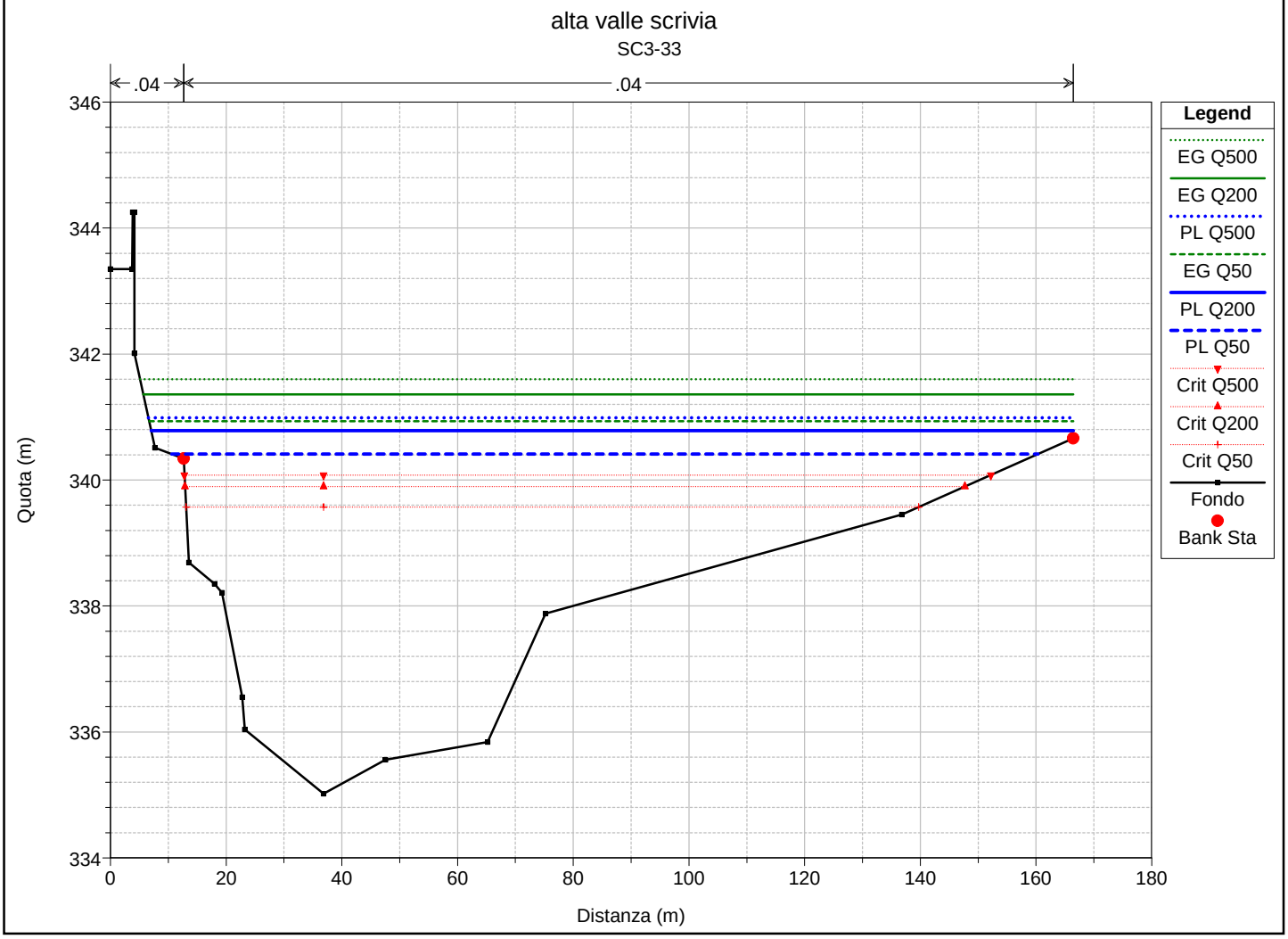
Località Isolabuona (Ronco Scrivia)

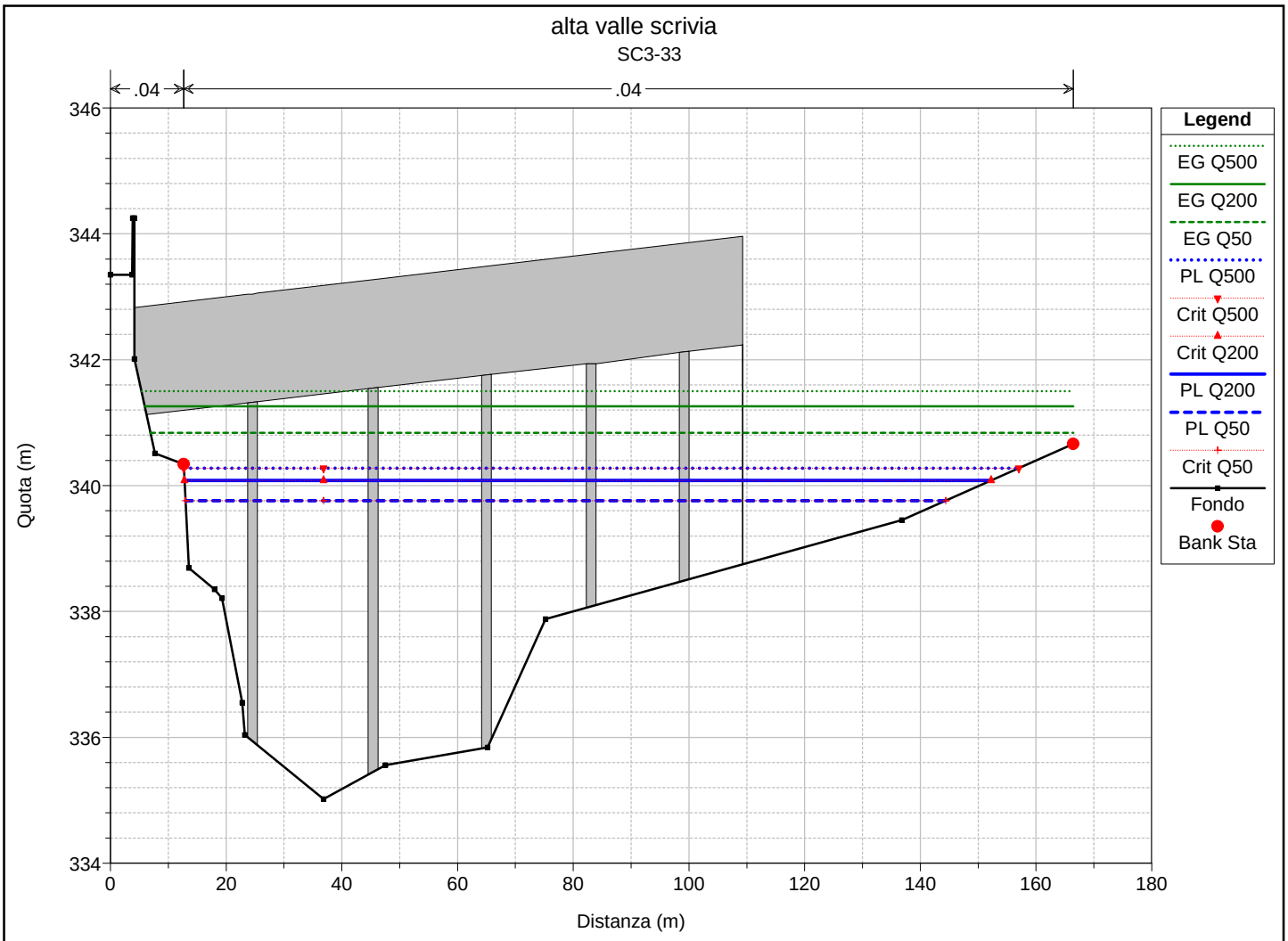
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

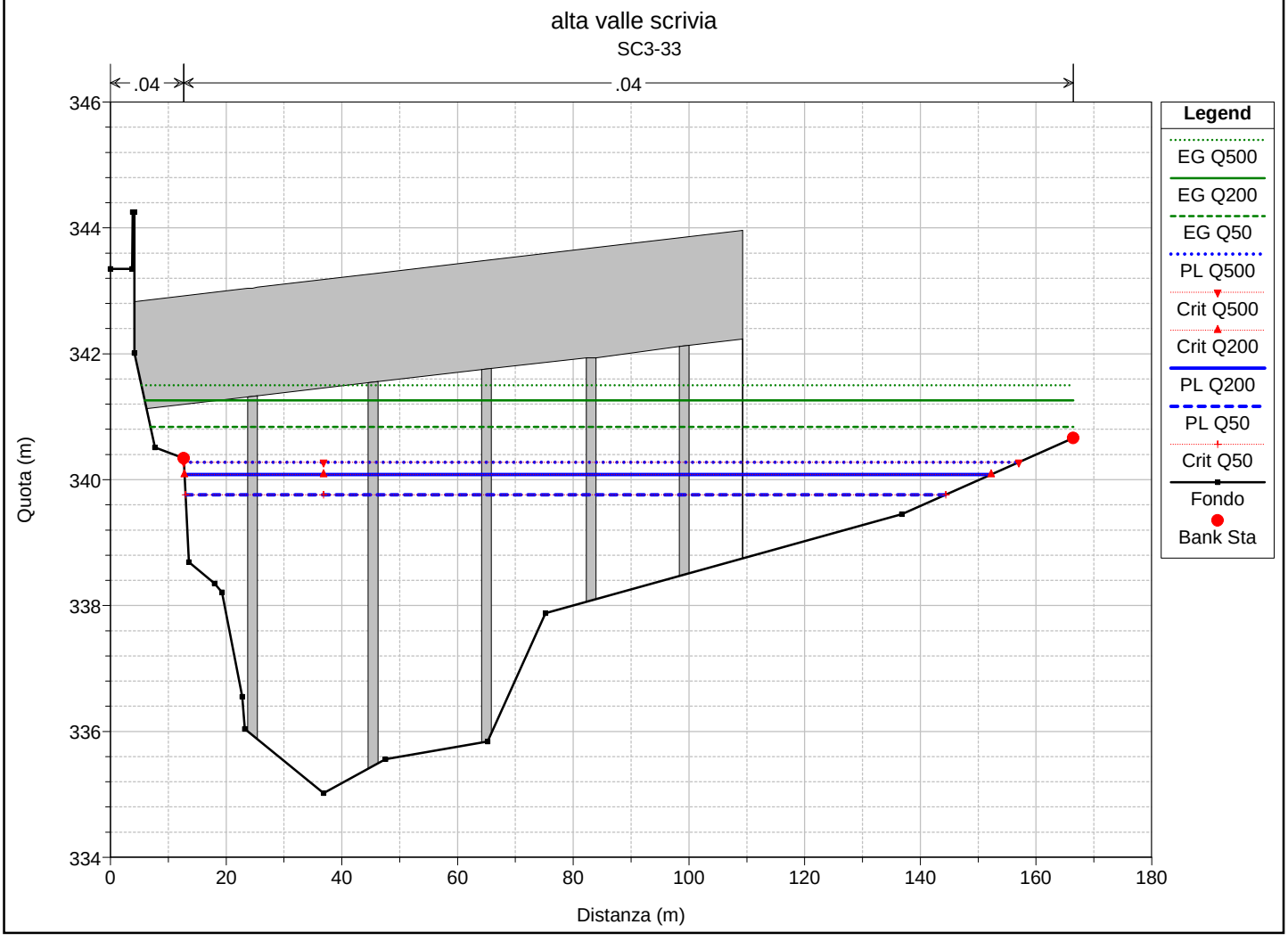


1 cm Horiz. = 75 m 1 cm Vert. = 1 m


alta valle scrivia
SC3-34
.04
.04
.04
344
342
340
338
336
334
Quota (m)
0
20
40
60
80
100
120
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

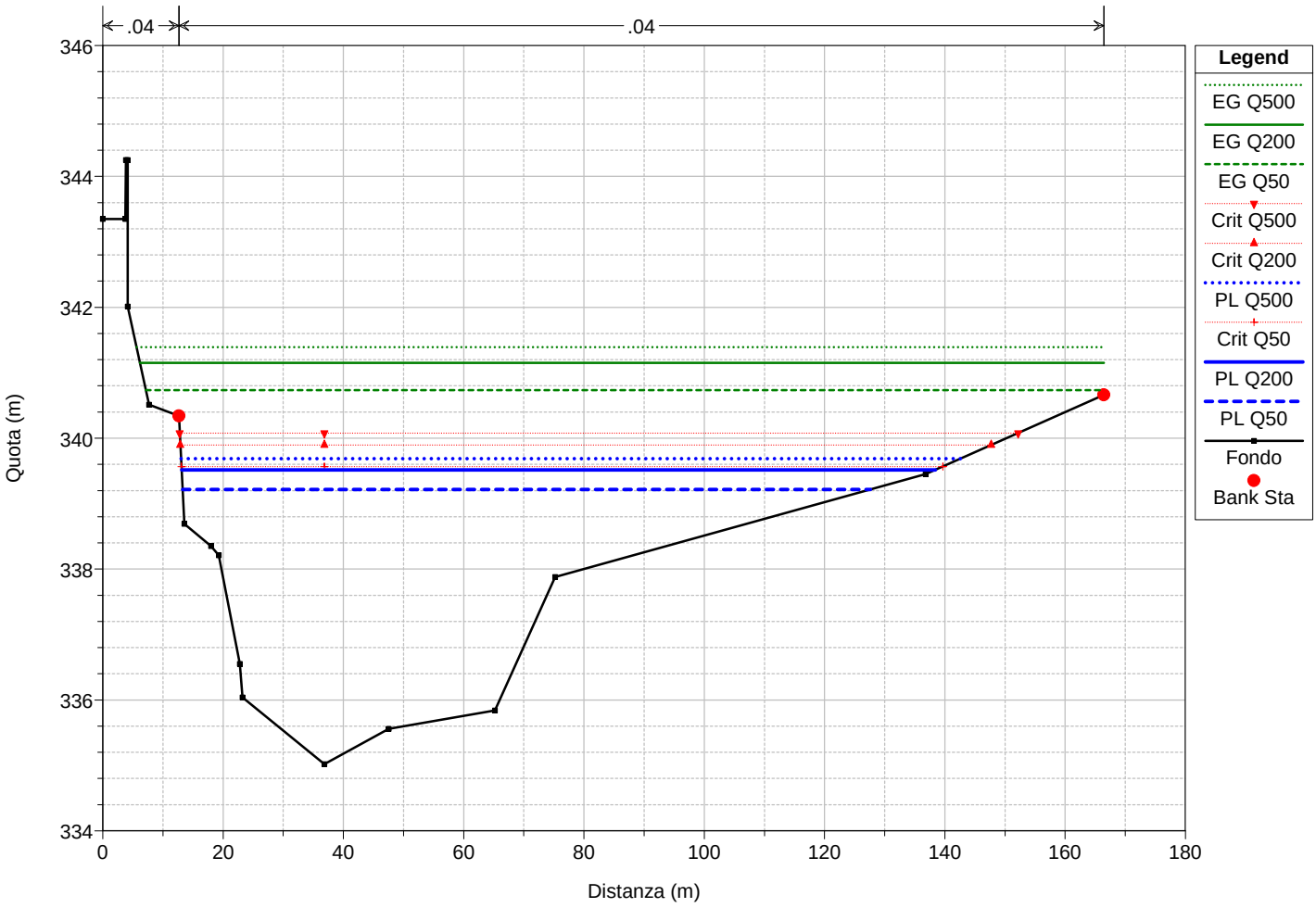

alta valle scrivia
SC3-33
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.04
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Quota (m)
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80
100
120
140
160
180
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


alta valle scrivia
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160
180
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


alta valle scrivia
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Quota (m)
Distanza (m)
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EG Q200
EG Q50
PL Q500
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Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

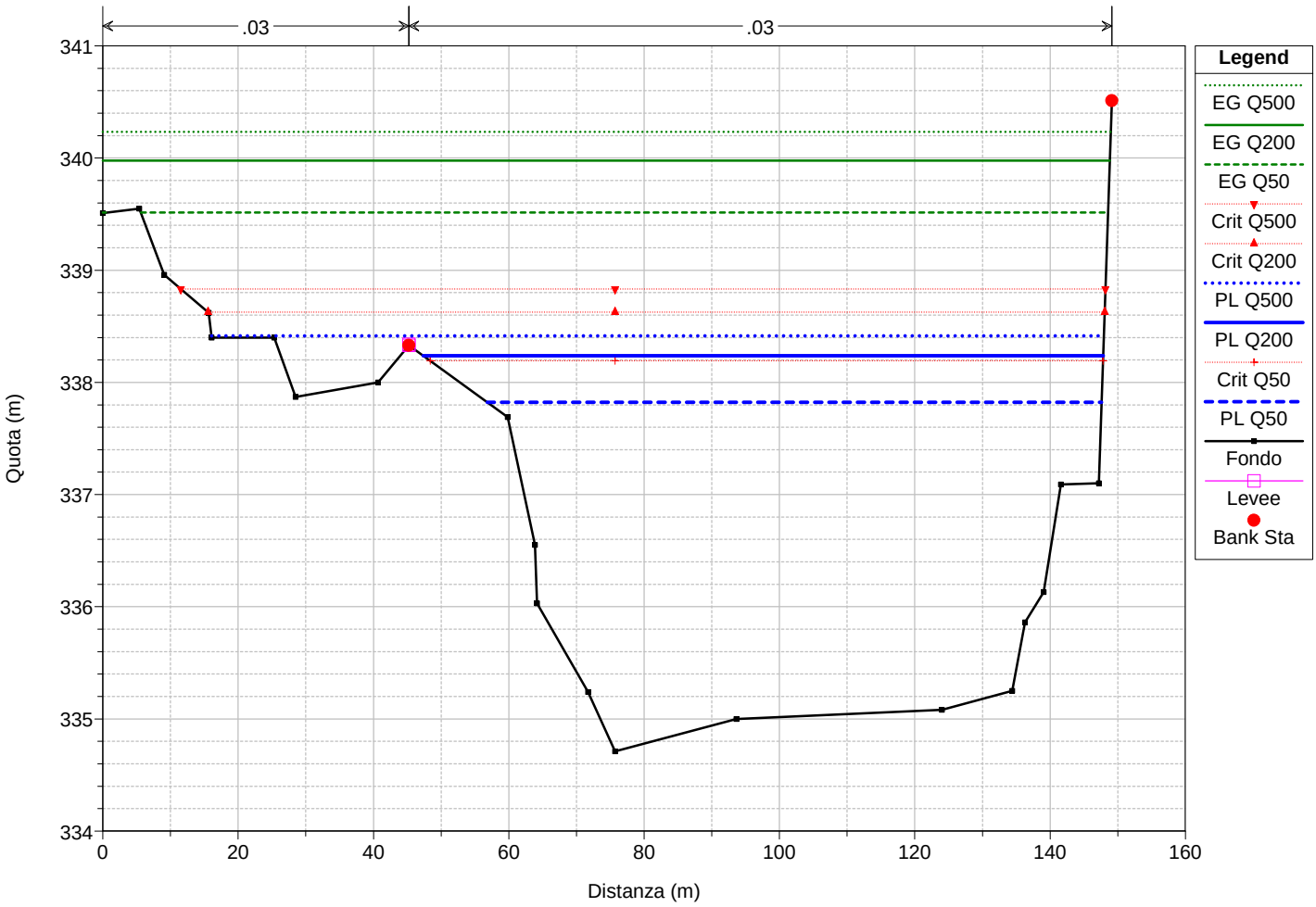
alta valle scrivia

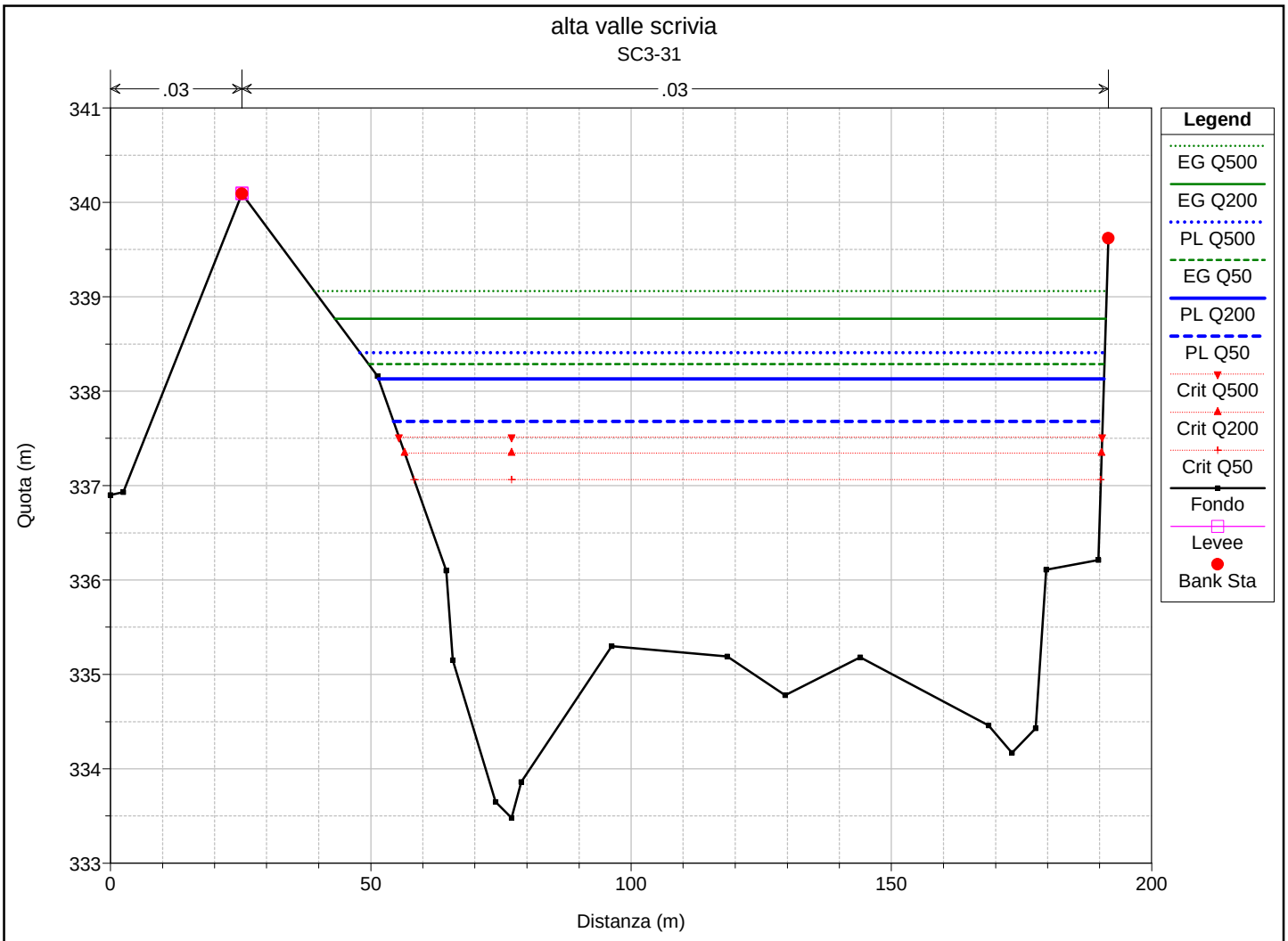
SC3-33

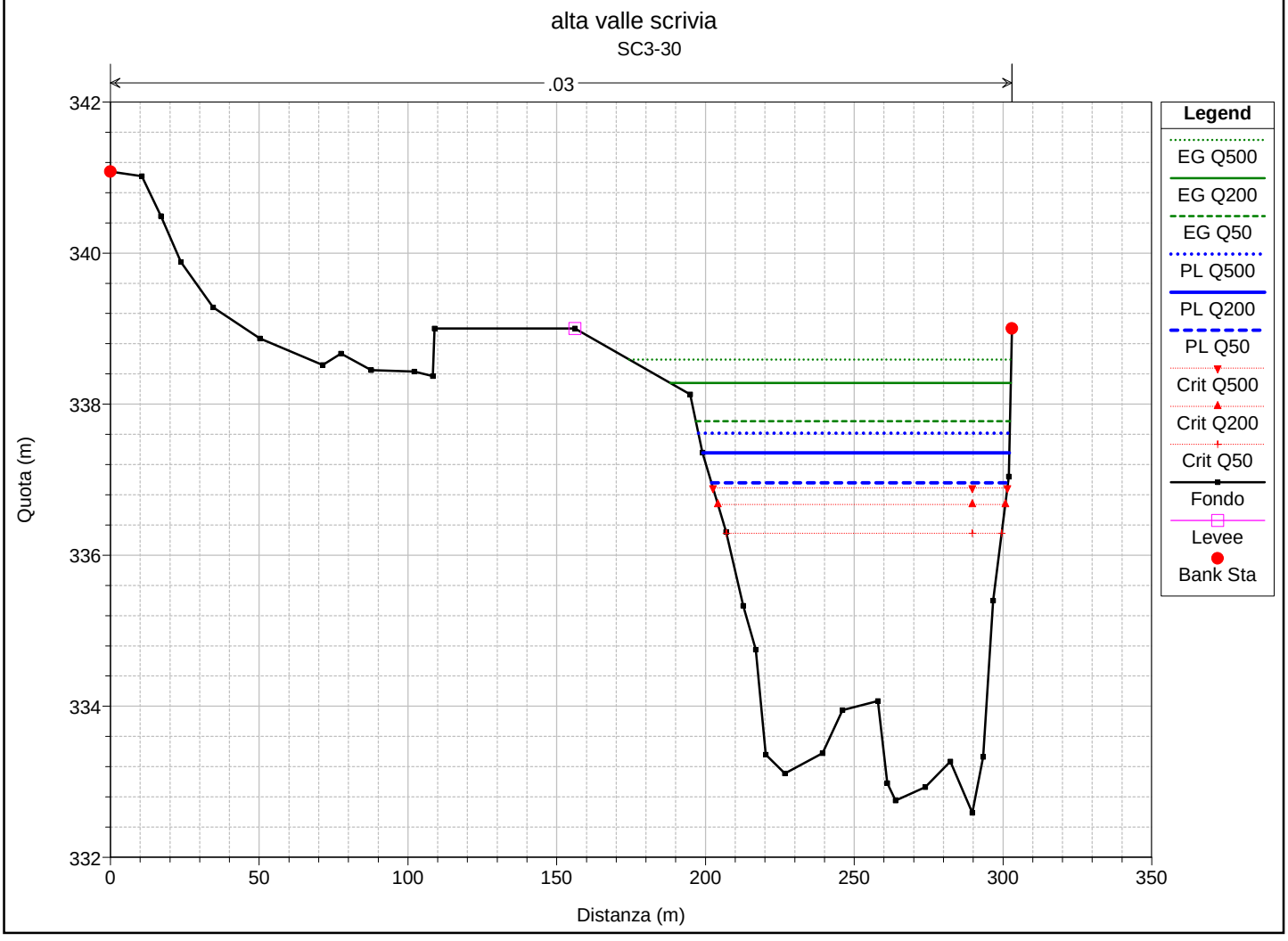


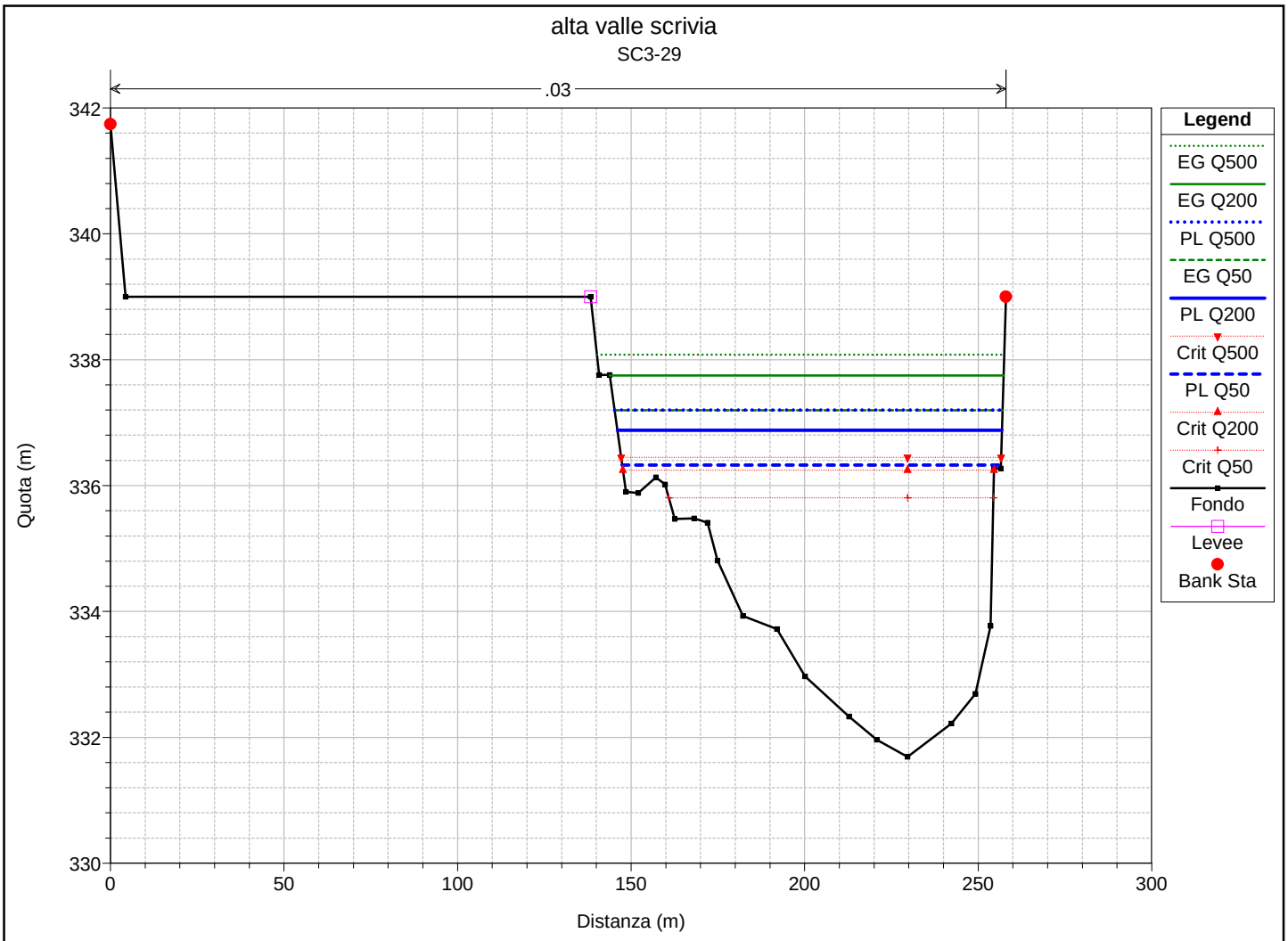
alta valle scrivia

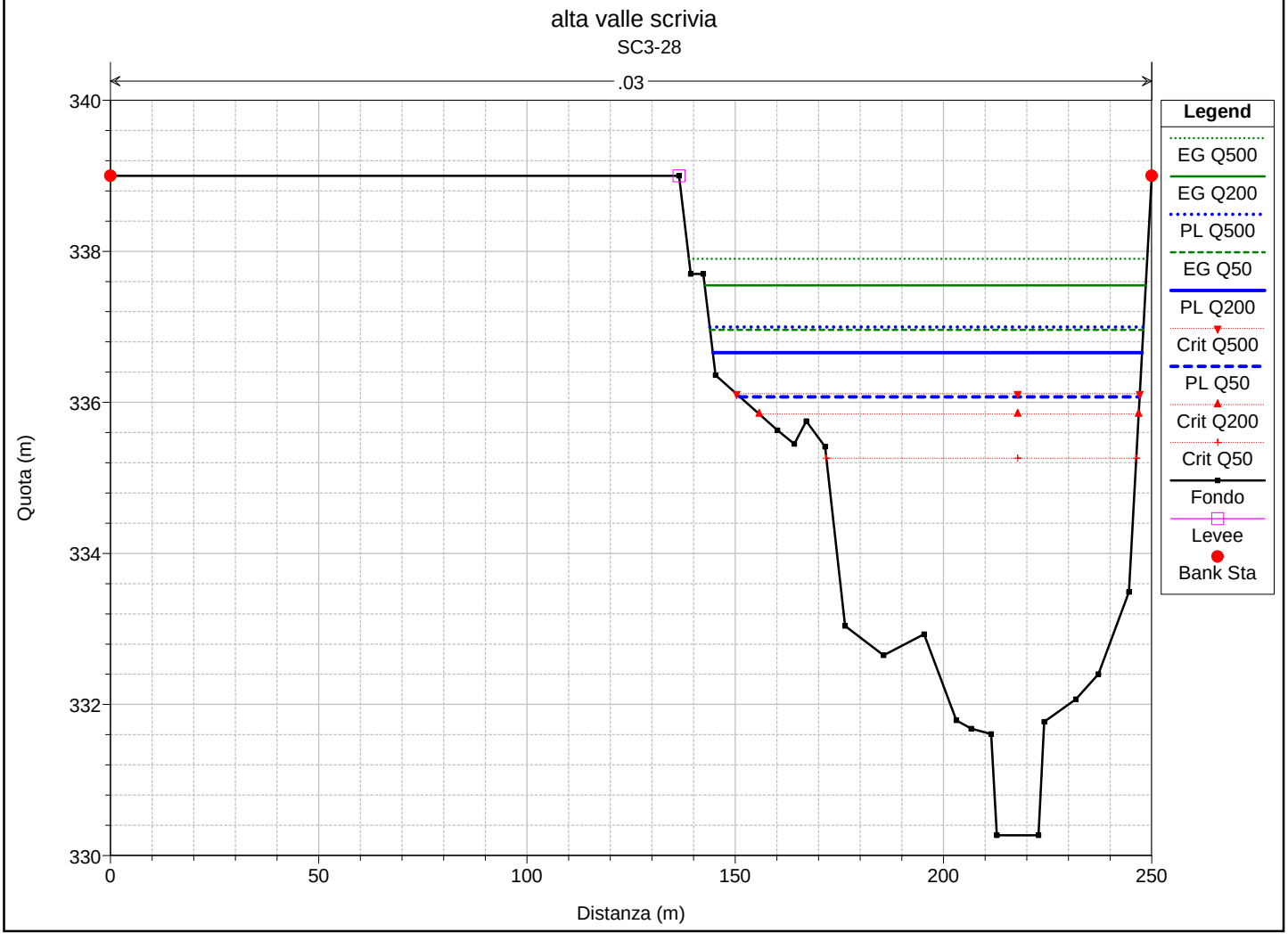
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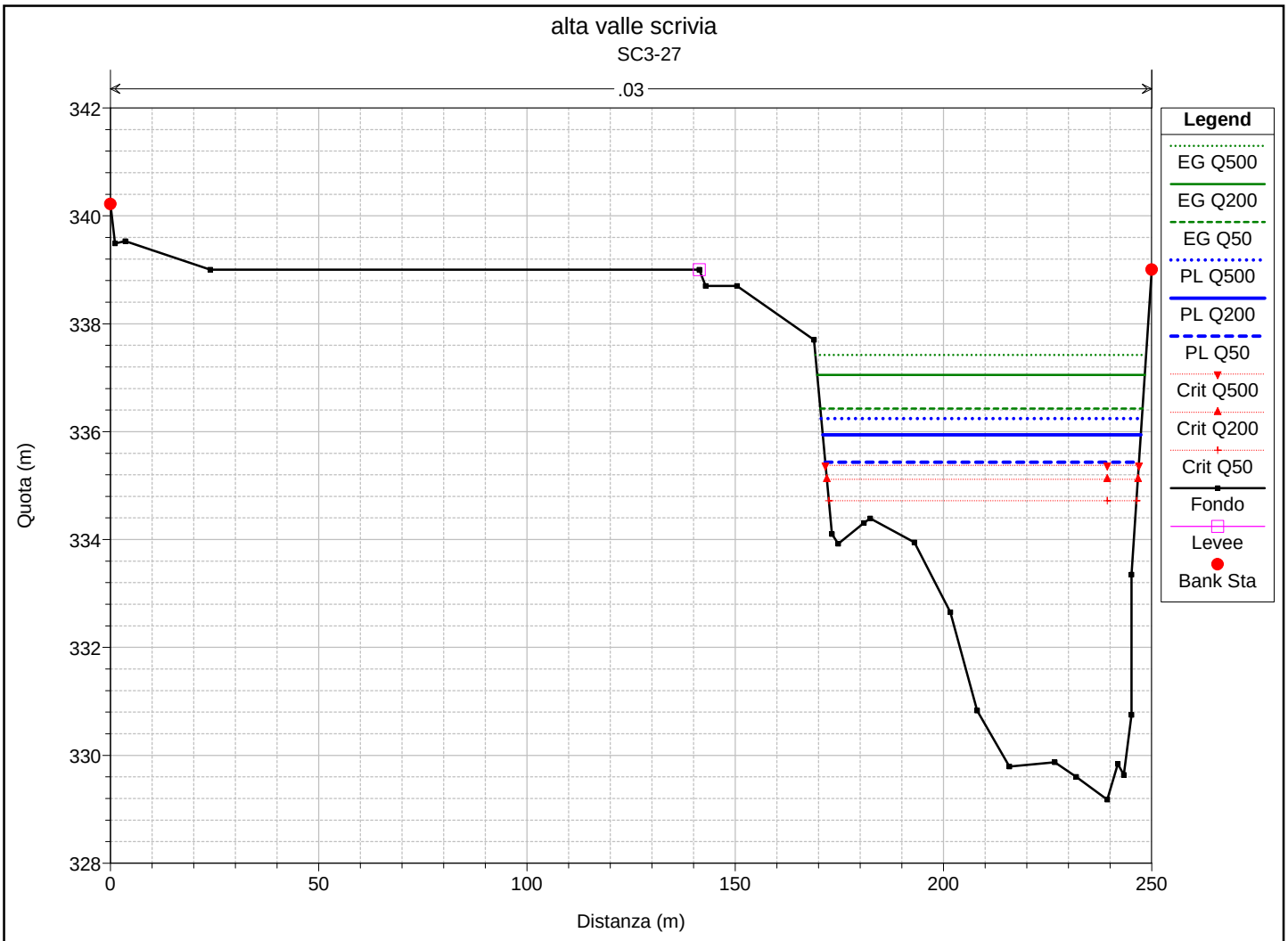


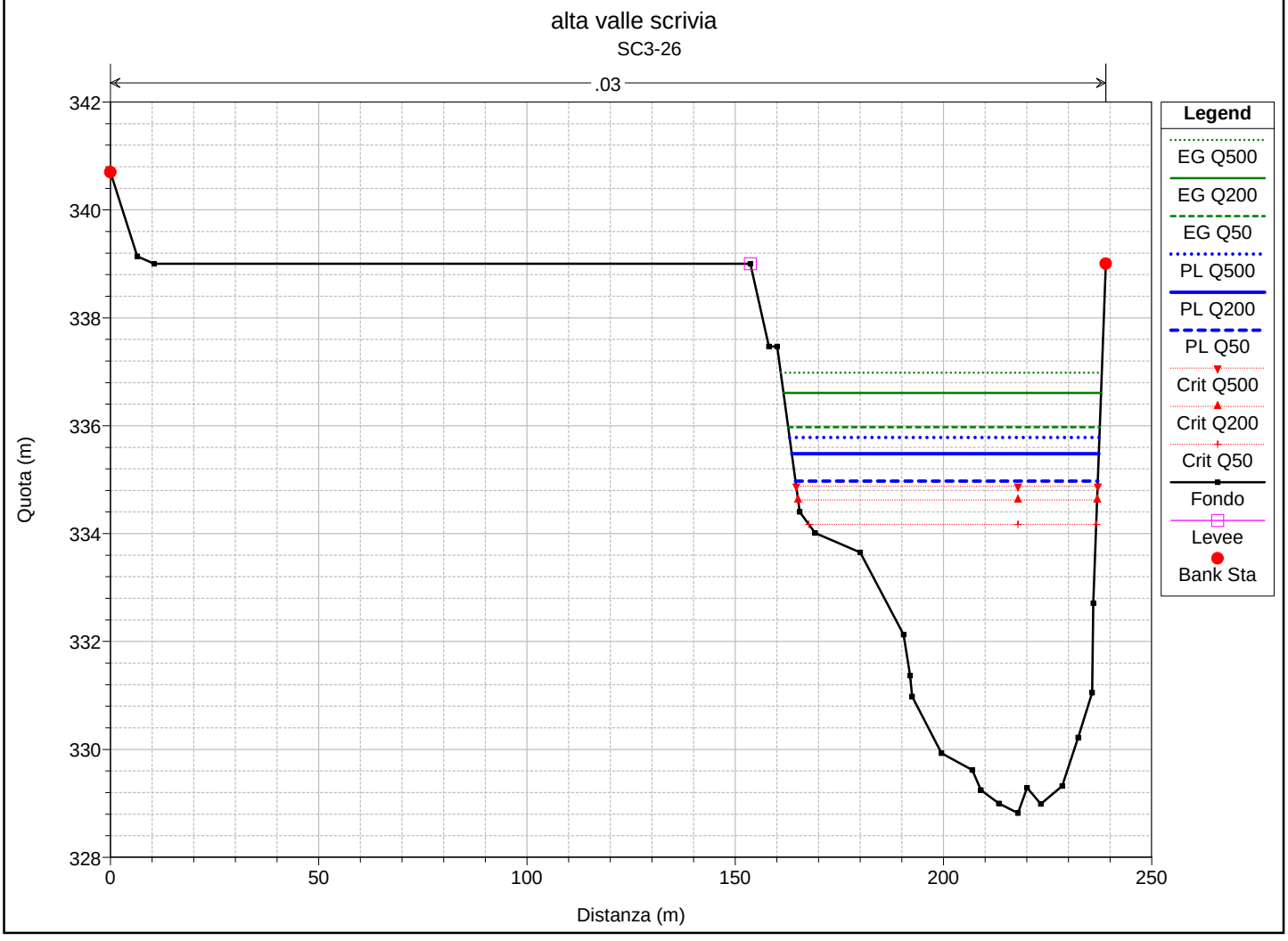

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SC3-31
.03
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
Quota (m)
Distanza (m)
341
340
339
338
337
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335
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333
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150
200

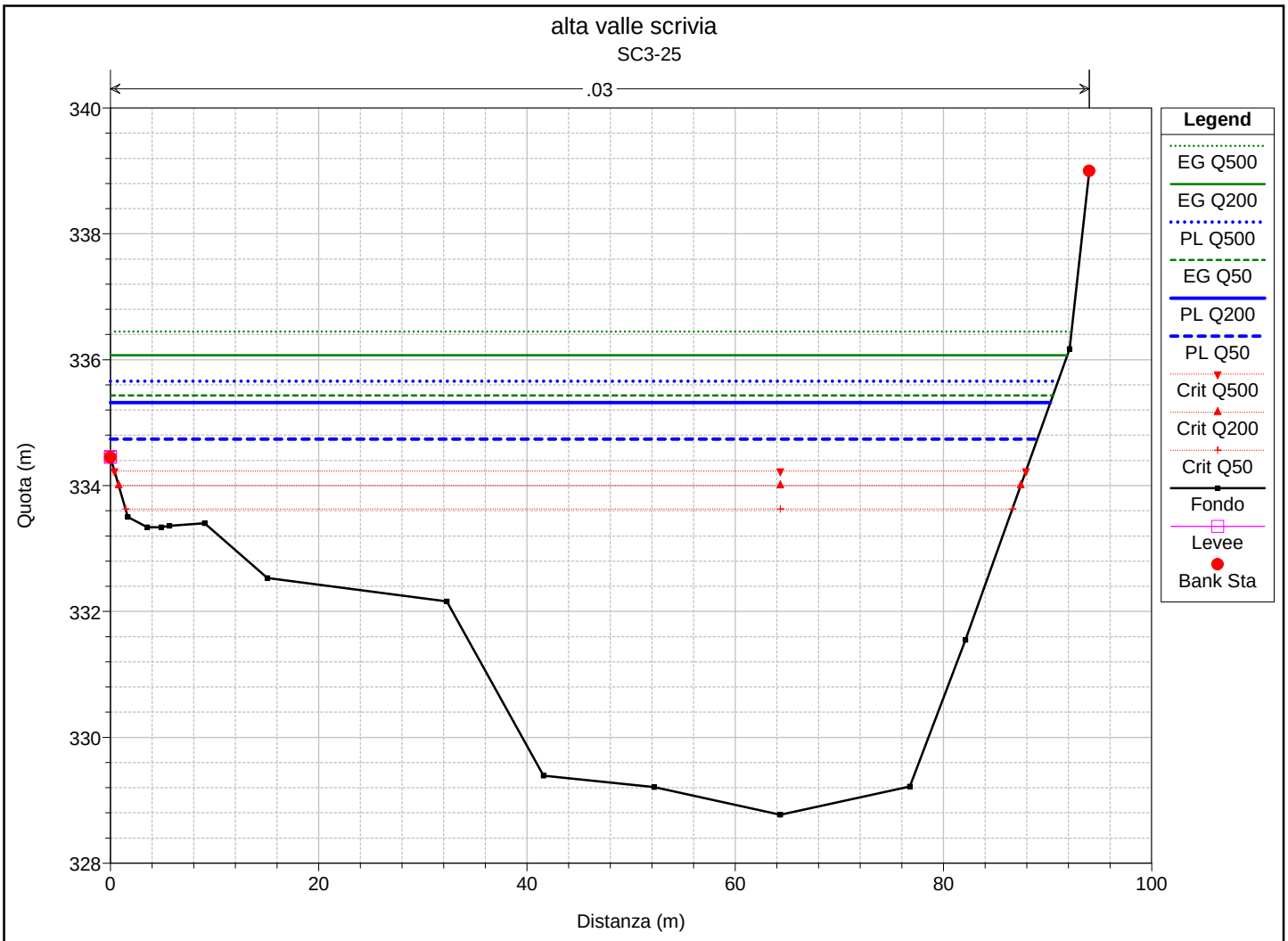

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Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
Quota (m)
Distanza (m)
342
340
338
336
334
332
0
50
100
150
200
250
300
350

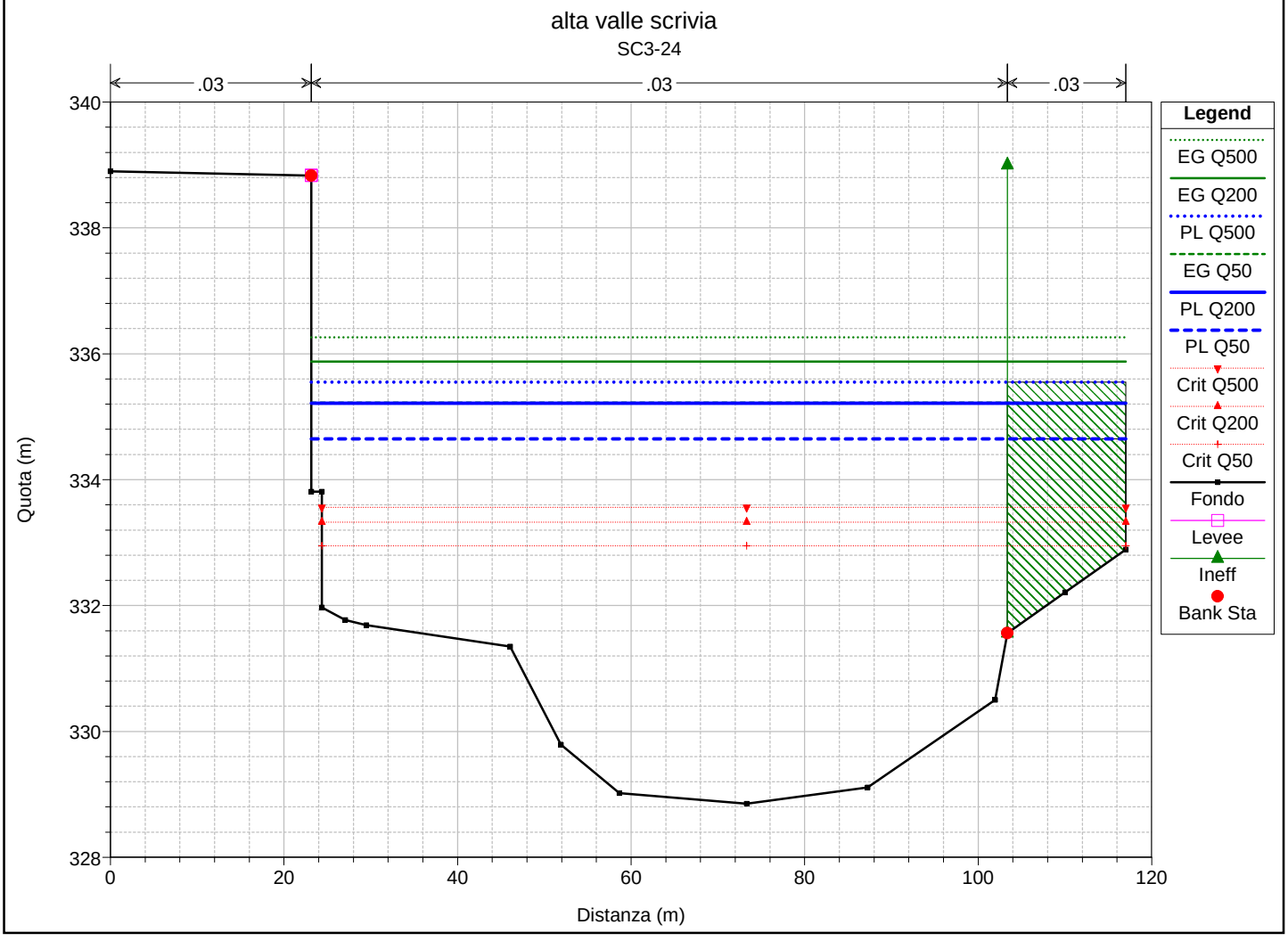

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SC3-29
.03
342
340
338
336
334
332
330
0
50
100
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250
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Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

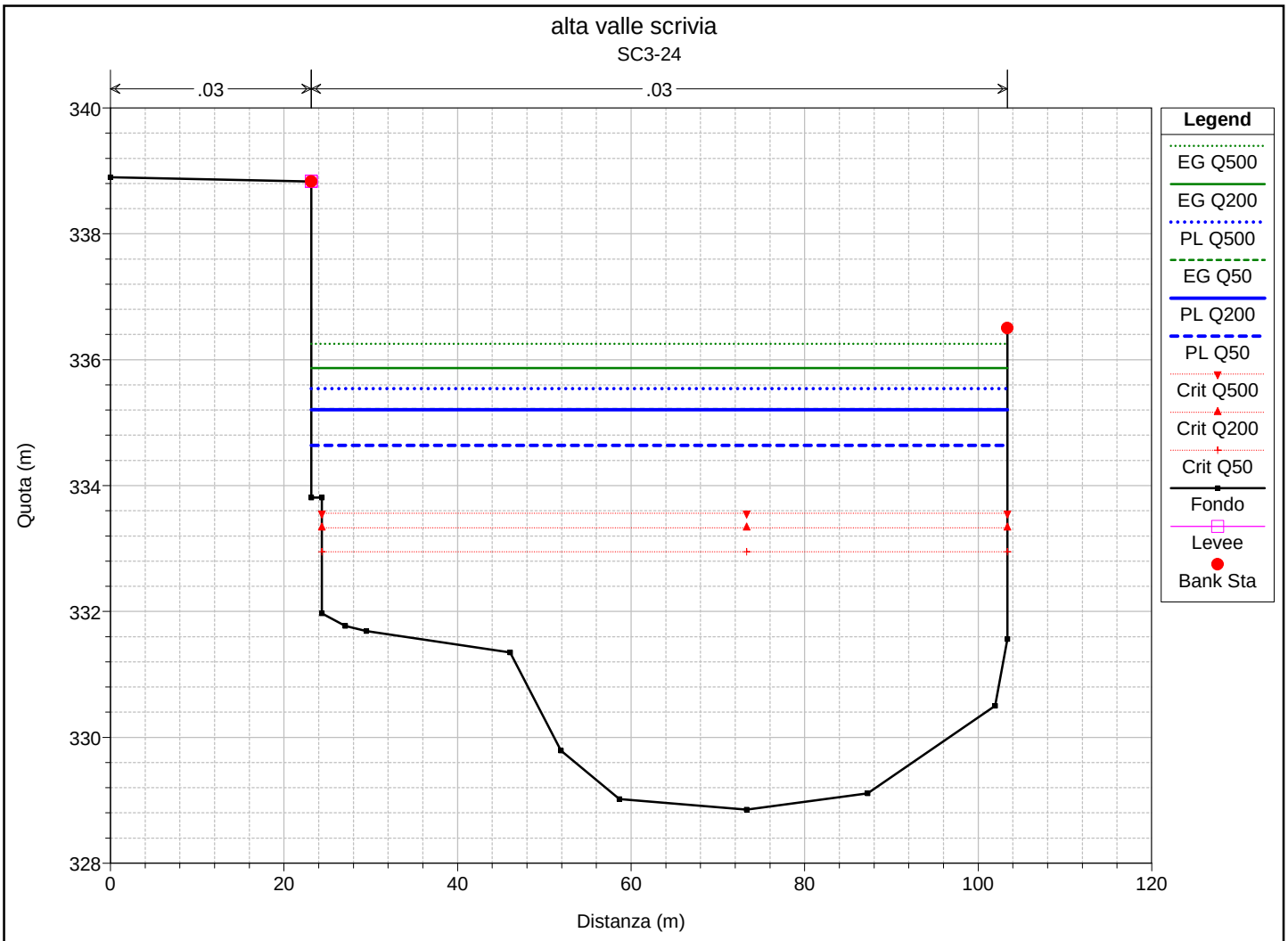

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SC3-28
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332
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Quota (m)
Distanza (m)
Legend
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EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

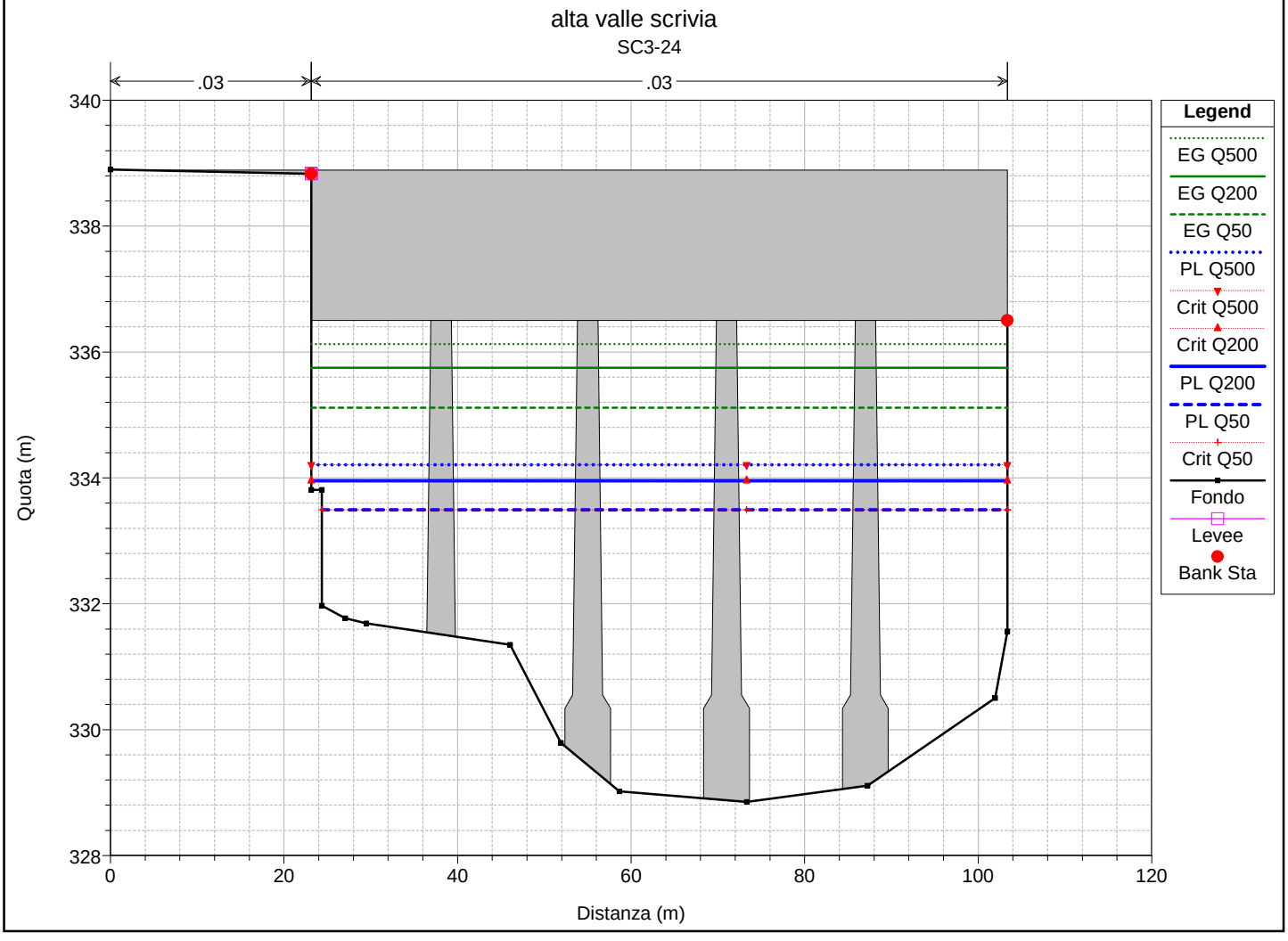

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.03
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
Quota (m)
Distanza (m)
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332
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328
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150
200
250

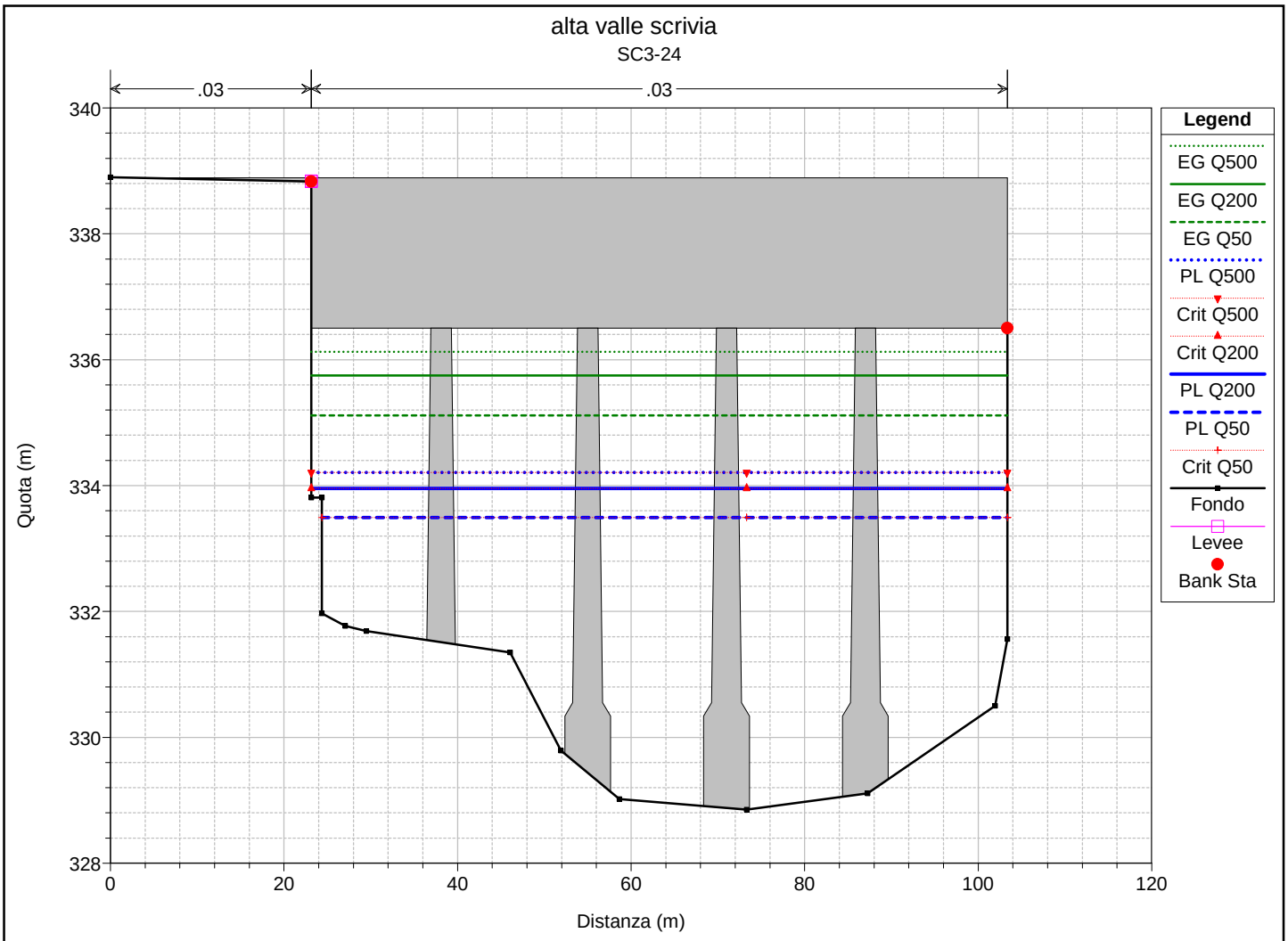

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SC3-26
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Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
Quota (m)
Distanza (m)
342
340
338
336
334
332
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100
150
200
250

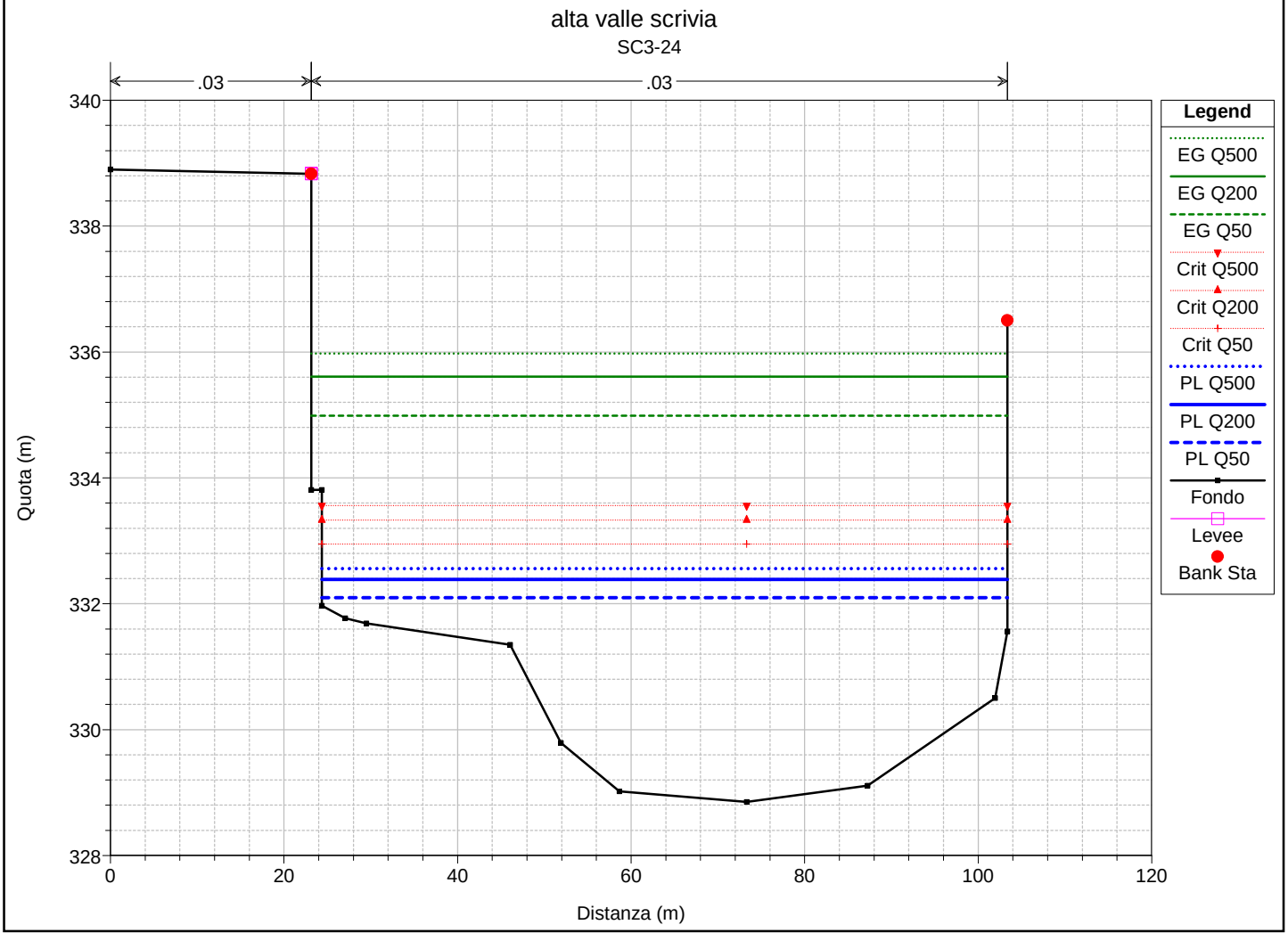

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SC3-25
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
Quota (m)
Distanza (m)
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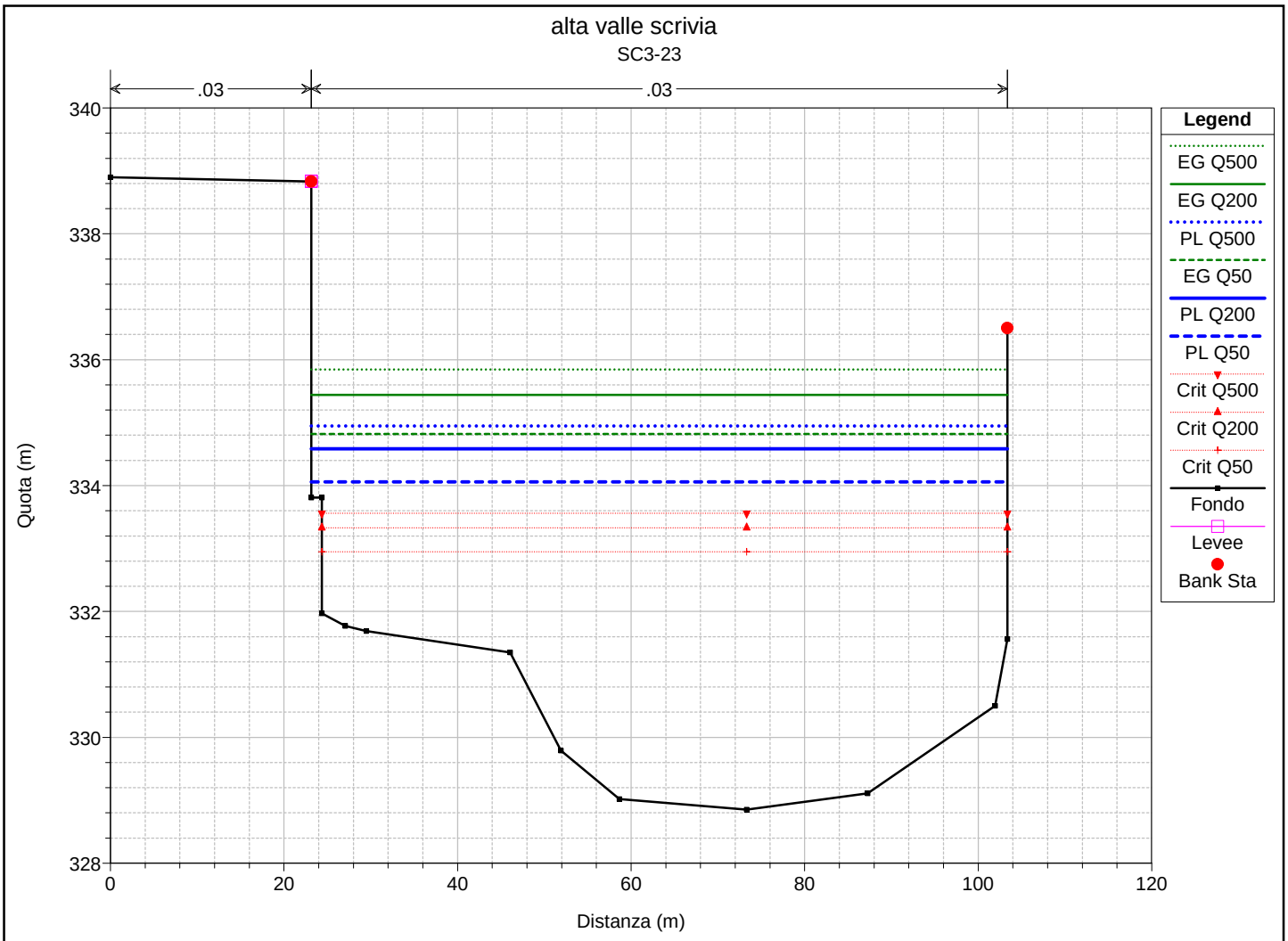

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SC3-24
.03
.03
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
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Bank Sta
Quota (m)
Distanza (m)
340
338
336
334
332
330
328
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100
120


alta valle scrivia
SC3-24
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340
338
336
334
332
330
328
0
20
40
60
80
100
120
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta


alta valle scrivia
SC3-24
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332
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80
100
120
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Levee
Bank Sta


alta valle scrivia
SC3-24
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.03
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Levee
Bank Sta


alta valle scrivia
SC3-24
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.03
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Levee
Bank Sta


alta valle scrivia
SC3-23
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.03
340
338
336
334
332
330
328
Quota (m)
0
20
40
60
80
100
120
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

HEC-RAS Plan: 5_VBP2 River: scrivia Reach: Borgo-Isola

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Borgo-Isola	12546.1 SC3-34	Q50	1229.00	334.78	340.70	339.54	-1.16	339.31	-1.39	339.68	341.43	0.003715	3.89	334.83	93.51	0.61
Borgo-Isola	12546.1 SC3-34	Q200	1479.00	334.78	341.01	339.54	-1.47	339.31	-1.70	340.11	341.91	0.004154	4.32	363.93	93.80	0.65
Borgo-Isola	12546.1 SC3-34	Q500	1636.00	334.78	341.17	339.54	-1.63	339.31	-1.86	340.32	342.18	0.004472	4.59	379.19	93.95	0.68
Borgo-Isola	12442.1 SC3-33	Q50	1229.00	335.02	340.41	340.34	-0.07	340.66	0.25	339.57	340.93	0.004696	3.21	383.23	149.69	0.64
Borgo-Isola	12442.1 SC3-33	Q200	1479.00	335.02	340.78	340.34	-0.44	340.66	-0.12	339.89	341.36	0.004532	3.36	441.49	159.36	0.63
Borgo-Isola	12442.1 SC3-33	Q500	1636.00	335.02	340.99	340.34	-0.65	340.66	-0.33	340.08	341.60	0.004390	3.46	474.61	159.85	0.63
Borgo-Isola	12431.3 SC3-33		Bridge													
Borgo-Isola	12422.1 SC3-33	Q50	1229.00	335.02	339.22	340.34	1.12	340.66	1.44	339.57	340.74	0.019637	5.46	225.00	114.35	1.24
Borgo-Isola	12422.1 SC3-33	Q200	1479.00	335.02	339.52	340.34	0.82	340.66	1.14	339.89	341.15	0.019552	5.66	261.23	125.34	1.25
Borgo-Isola	12422.1 SC3-33	Q500	1636.00	335.02	339.69	340.34	0.65	340.66	0.97	340.08	341.39	0.019193	5.78	282.88	129.59	1.25
Borgo-Isola	12395.52 SC3-32	Q50	1229.00	334.71	337.82	338.33	0.51	340.51	2.69	338.19	339.51	0.009731	5.76	213.40	90.82	1.20
Borgo-Isola	12395.52 SC3-32	Q200	1479.00	334.71	338.24	338.33	0.09	340.51	2.27	338.62	339.98	0.009150	5.84	253.09	100.51	1.18
Borgo-Isola	12395.52 SC3-32	Q500	1636.00	334.71	338.41	338.33	-0.09	340.51	2.10	338.83	340.23	0.009049	5.99	279.14	131.88	1.18
Borgo-Isola	12232.52 SC3-31	Q50	1229.00	333.48	337.68	340.09	2.41	339.62	1.94	337.06	338.29	0.003040	3.45	356.09	136.21	0.68
Borgo-Isola	12232.52 SC3-31	Q200	1479.00	333.48	338.13	340.09	1.96	339.62	1.49	337.34	338.77	0.002664	3.54	418.13	139.36	0.65
Borgo-Isola	12232.52 SC3-31	Q500	1636.00	333.48	338.41	340.09	1.68	339.62	1.21	337.51	339.06	0.002503	3.58	457.51	143.07	0.64
Borgo-Isola	12077.51 SC3-30	Q50	1229.00	332.59	336.96	341.08	4.12	339.00	2.04	336.29	337.77	0.003296	4.01	306.77	99.68	0.73
Borgo-Isola	12077.51 SC3-30	Q200	1479.00	332.59	337.35	341.08	3.73	339.00	1.65	336.67	338.28	0.003316	4.26	347.10	103.10	0.74
Borgo-Isola	12077.51 SC3-30	Q500	1636.00	332.59	337.62	341.08	3.46	339.00	1.38	336.89	338.59	0.003224	4.37	374.35	104.67	0.74
Borgo-Isola	11922.50 SC3-29	Q50	1229.00	331.69	336.33	341.74	5.41	339.00	2.67	335.81	337.20	0.004155	4.13	297.30	109.16	0.80
Borgo-Isola	11922.50 SC3-29	Q200	1479.00	331.69	336.88	341.74	4.86	339.00	2.12	336.24	337.75	0.003323	4.13	357.98	110.85	0.73
Borgo-Isola	11922.50 SC3-29	Q500	1636.00	331.69	337.20	341.74	4.54	339.00	1.80	336.45	338.08	0.003002	4.15	393.80	111.83	0.71
Borgo-Isola	11862.50 SC3-28	Q50	1229.00	330.27	336.07	339.00	2.93	339.00	2.93	335.26	336.96	0.003669	4.17	294.43	95.97	0.76
Borgo-Isola	11862.50 SC3-28	Q200	1479.00	330.27	336.66	339.00	2.34	339.00	2.34	335.85	337.55	0.003181	4.18	353.42	103.04	0.72
Borgo-Isola	11862.50 SC3-28	Q500	1636.00	330.27	337.00	339.00	2.00	339.00	2.00	336.11	337.90	0.002887	4.21	388.47	104.13	0.70
Borgo-Isola	11712.50 SC3-27	Q50	1229.00	329.18	335.44	340.22	4.78	339.00	3.56	334.72	336.43	0.003326	4.41	278.71	75.35	0.73
Borgo-Isola	11712.50 SC3-27	Q200	1479.00	329.18	335.94	340.22	4.28	339.00	3.06	335.11	337.05	0.003213	4.67	316.98	76.38	0.73
Borgo-Isola	11712.50 SC3-27	Q500	1636.00	329.18	336.24	340.22	3.98	339.00	2.76	335.38	337.42	0.003153	4.81	340.10	77.00	0.73
Borgo-Isola	11572.50 SC3-26	Q50	1229.00	328.82	334.97	340.70	5.73	339.00	4.03	334.17	335.97	0.003159	4.43	277.64	72.61	0.72
Borgo-Isola	11572.50 SC3-26	Q200	1479.00	328.82	335.48	340.70	5.22	339.00	3.52	334.62	336.61	0.003094	4.70	314.76	73.75	0.73
Borgo-Isola	11572.50 SC3-26	Q500	1636.00	328.82	335.78	340.70	4.92	339.00	3.22	334.88	336.98	0.003058	4.85	337.23	74.43	0.73
Borgo-Isola	11399.50 SC3-25	Q50	1229.00	328.77	334.74	334.45	-0.29	339.00	4.26	333.63	335.43	0.002177	3.69	333.21	89.02	0.61
Borgo-Isola	11399.50 SC3-25	Q200	1479.00	328.77	335.32	334.45	-0.87	339.00	3.68	334.00	336.07	0.002001	3.84	385.15	90.27	0.59
Borgo-Isola	11399.50 SC3-25	Q500	1636.00	328.77	335.66	334.45	-1.21	339.00	3.34	334.23	336.45	0.001925	3.93	416.05	91.01	0.59
Borgo-Isola	11299.50 SC3-24	Q50	1229.00	328.85	334.65	338.83	4.18	331.56	-3.09	332.95	335.22	0.001422	3.36	365.57	93.85	0.50
Borgo-Isola	11299.50 SC3-24	Q200	1479.00	328.85	335.22	338.83	3.61	331.56	-3.66	333.33	335.87	0.001403	3.60	411.28	93.85	0.51
Borgo-Isola	11299.50 SC3-24	Q500	1636.00	328.85	335.55	338.83	3.28	331.56	-3.99	333.56	336.26	0.001399	3.74	438.02	93.85	0.51
Borgo-Isola	11295.00 SC3-24	Q50	1229.00	328.85	334.64	338.83	4.19	336.50	1.86	332.95	335.22	0.001502	3.37	364.84	80.22	0.50
Borgo-Isola	11295.00 SC3-24	Q200	1479.00	328.85	335.21	338.83	3.62	336.50	1.29	333.33	335.87	0.001494	3.60	410.55	80.22	0.51

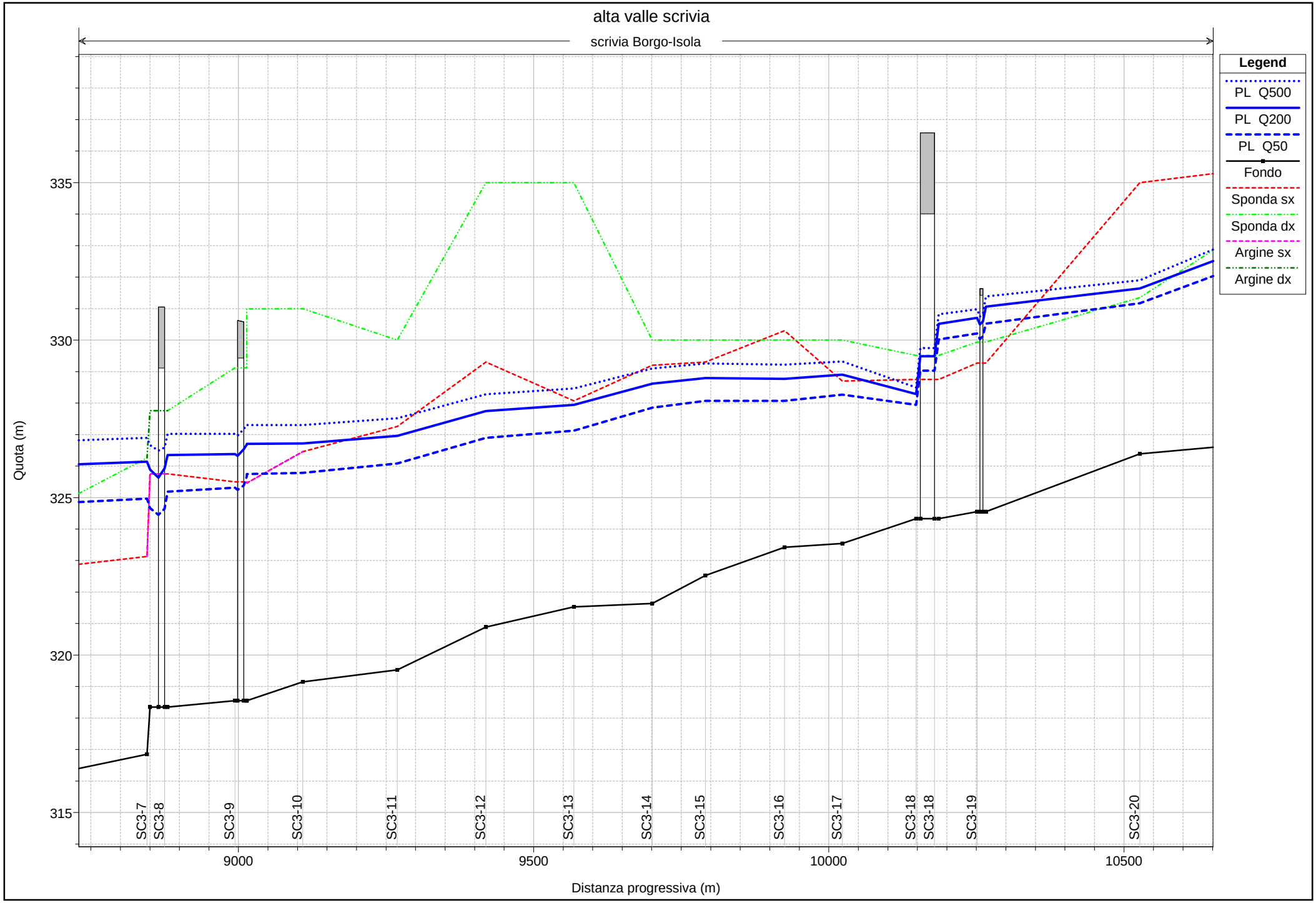
HEC-RAS Plan: 5_VBP2 River: scrivia Reach: Borgo-Isola (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Borgo-Isola	11295.00 SC3-24	Q500	1636.00	328.85	335.54	338.83	3.29	336.50	0.96	333.56	336.25	0.001496	3.74	437.28	80.22	0.51
Borgo-Isola	11281.01 SC3-24		Bridge													
Borgo-Isola	11268.00 SC3-24	Q50	1229.00	328.85	332.10	338.83	6.73	336.50	4.40	332.95	334.99	0.019879	7.53	163.11	79.00	1.67
Borgo-Isola	11268.00 SC3-24	Q200	1479.00	328.85	332.39	338.83	6.44	336.50	4.11	333.33	335.61	0.018771	7.95	185.97	79.00	1.65
Borgo-Isola	11268.00 SC3-24	Q500	1636.00	328.85	332.56	338.83	6.27	336.50	3.94	333.56	335.98	0.018190	8.19	199.79	79.00	1.64
Borgo-Isola	11250.00 SC3-23	Q50	1229.00	328.85	334.06	338.83	4.77	336.50	2.44	332.95	334.82	0.002319	3.86	318.58	80.22	0.62
Borgo-Isola	11250.00 SC3-23	Q200	1479.00	328.85	334.58	338.83	4.25	336.50	1.92	333.33	335.44	0.002257	4.10	360.64	80.22	0.62
Borgo-Isola	11250.00 SC3-23	Q500	1636.00	328.85	334.95	338.83	3.88	336.50	1.55	333.56	335.85	0.002155	4.20	389.84	80.22	0.61

Torrente Scrivia

Campi sportivi (Ronco Scrivia)

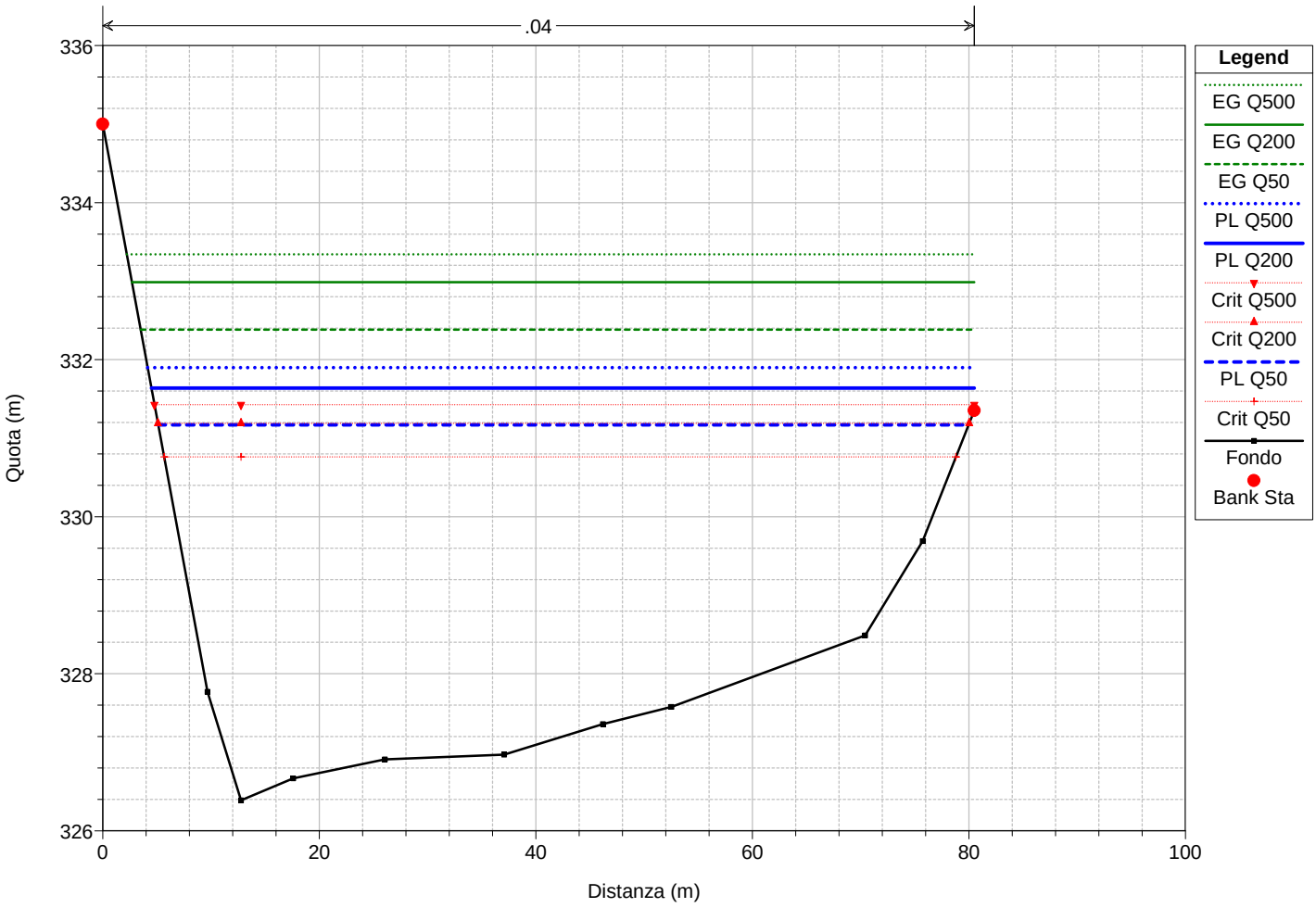
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati



1 cm Horiz. = 80 m 1 cm Vert. = 1.5 m

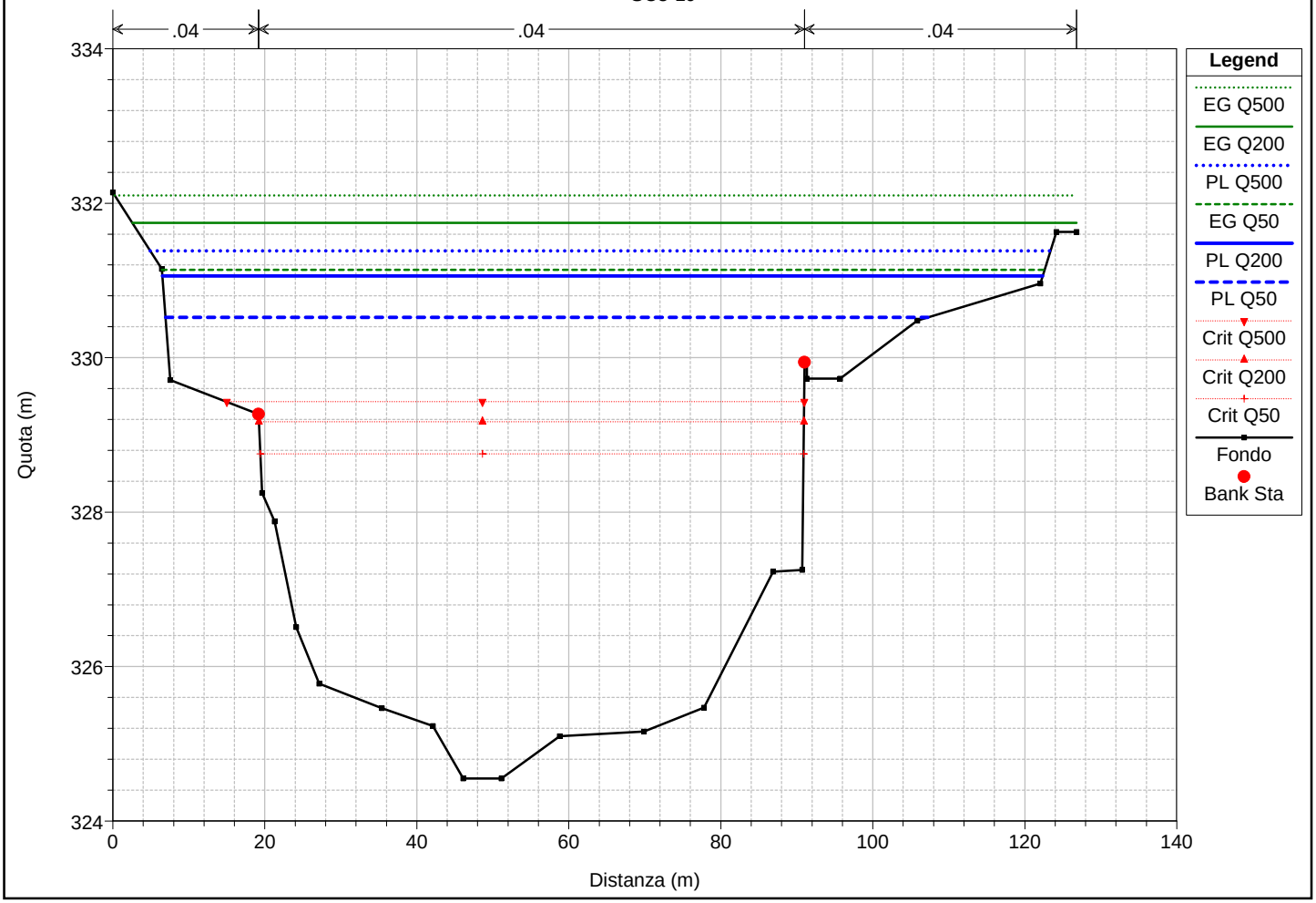
alta valle scrivia

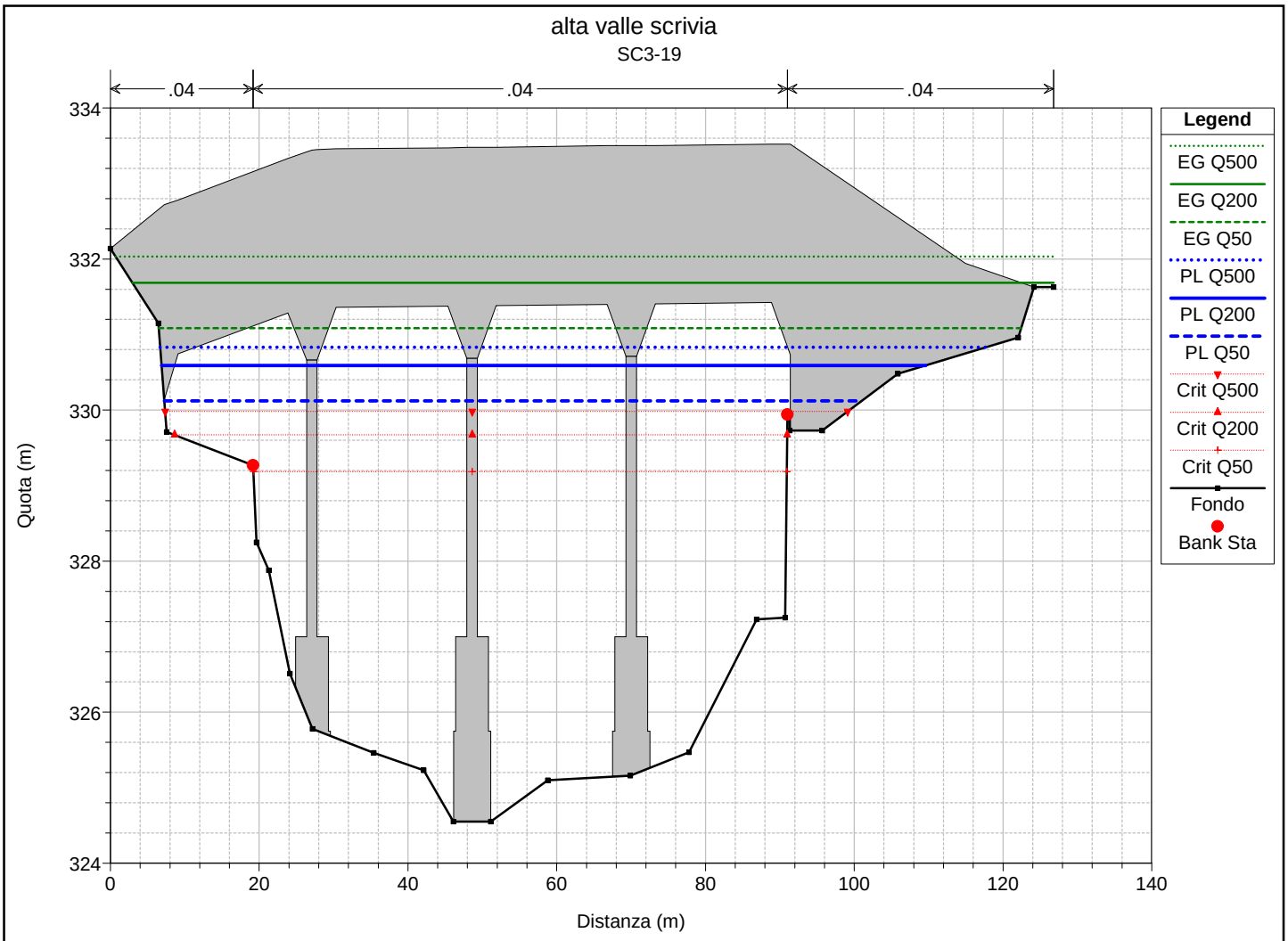
SC3-20

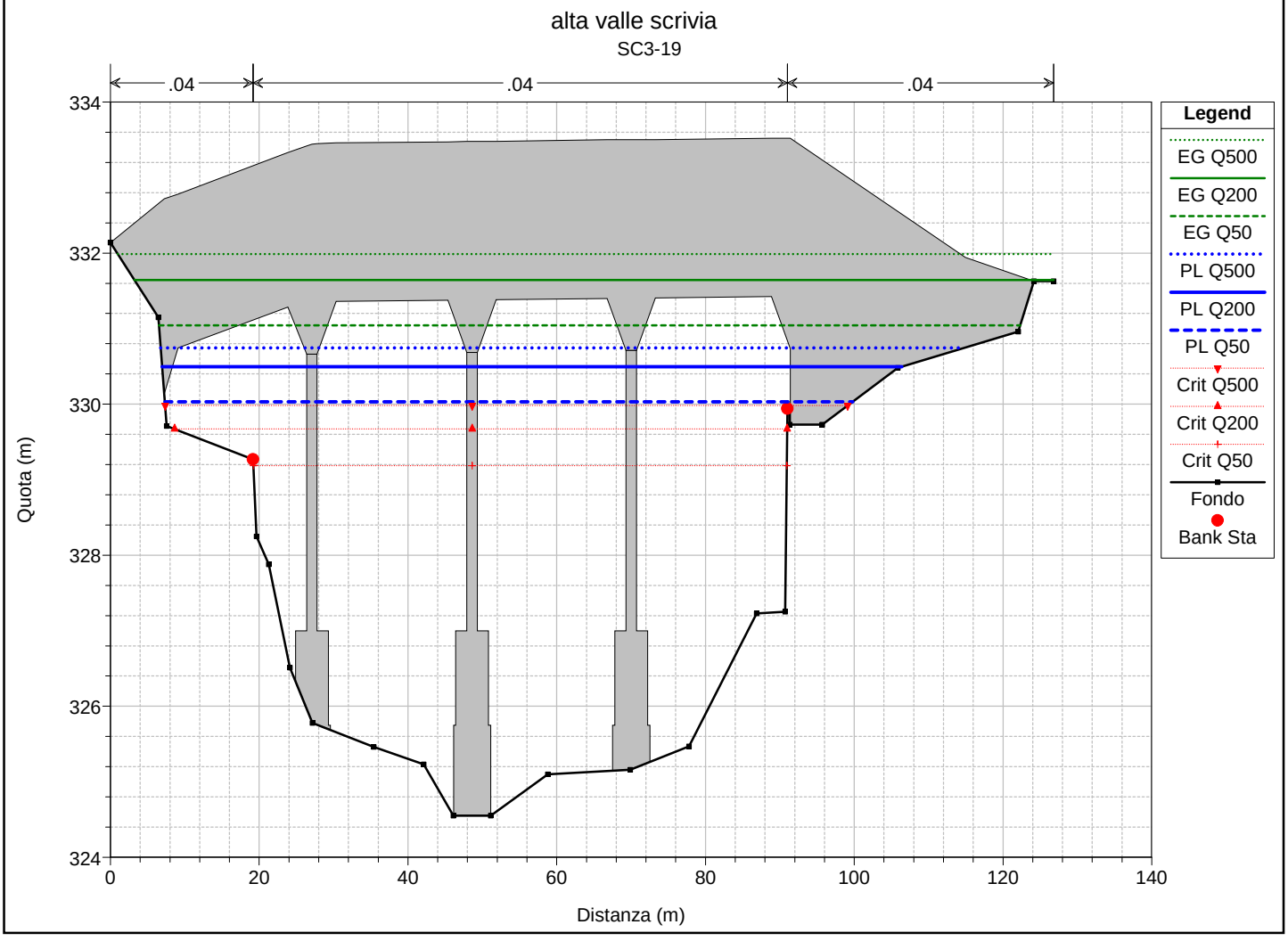


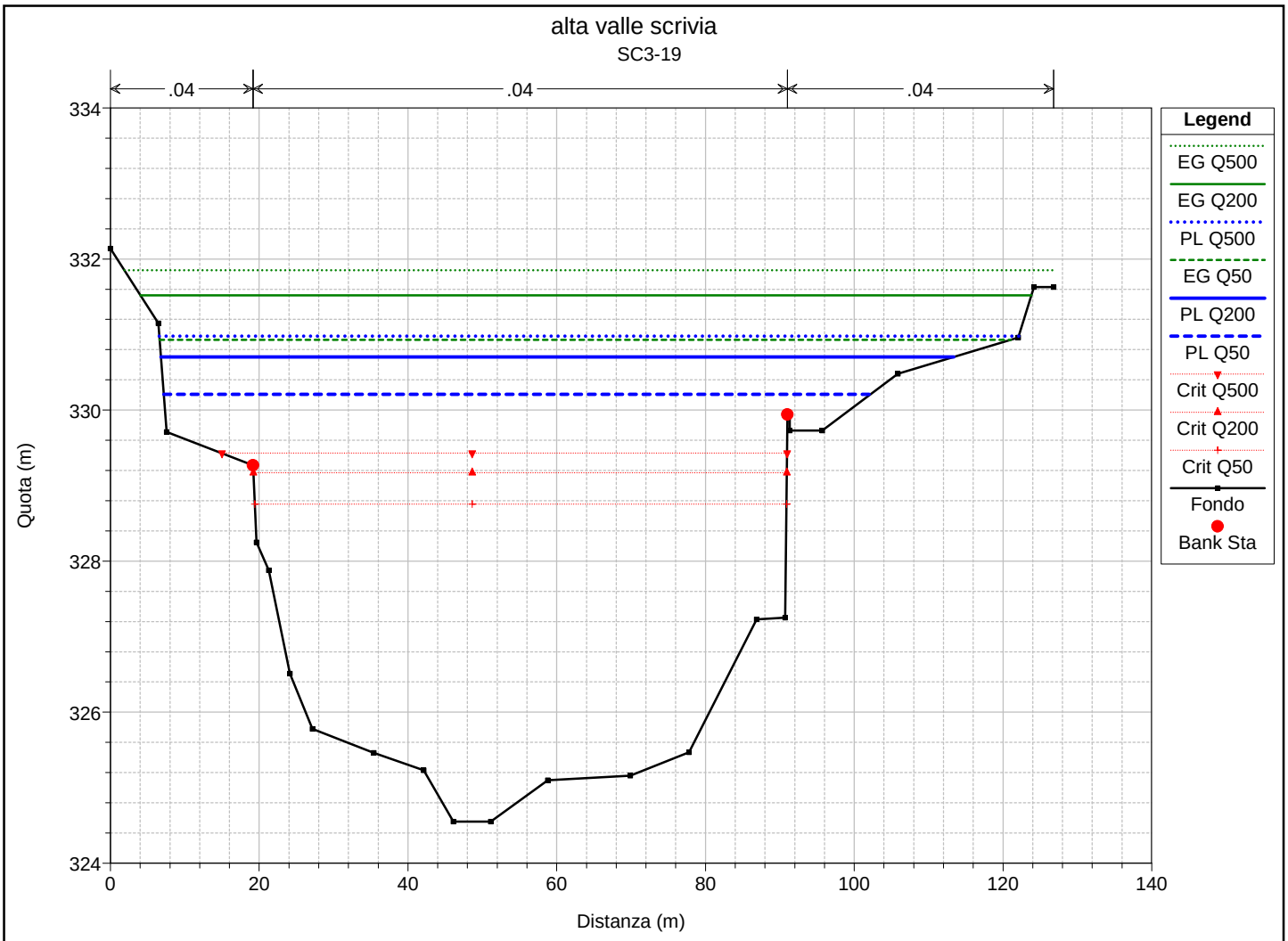
alta valle scrivia

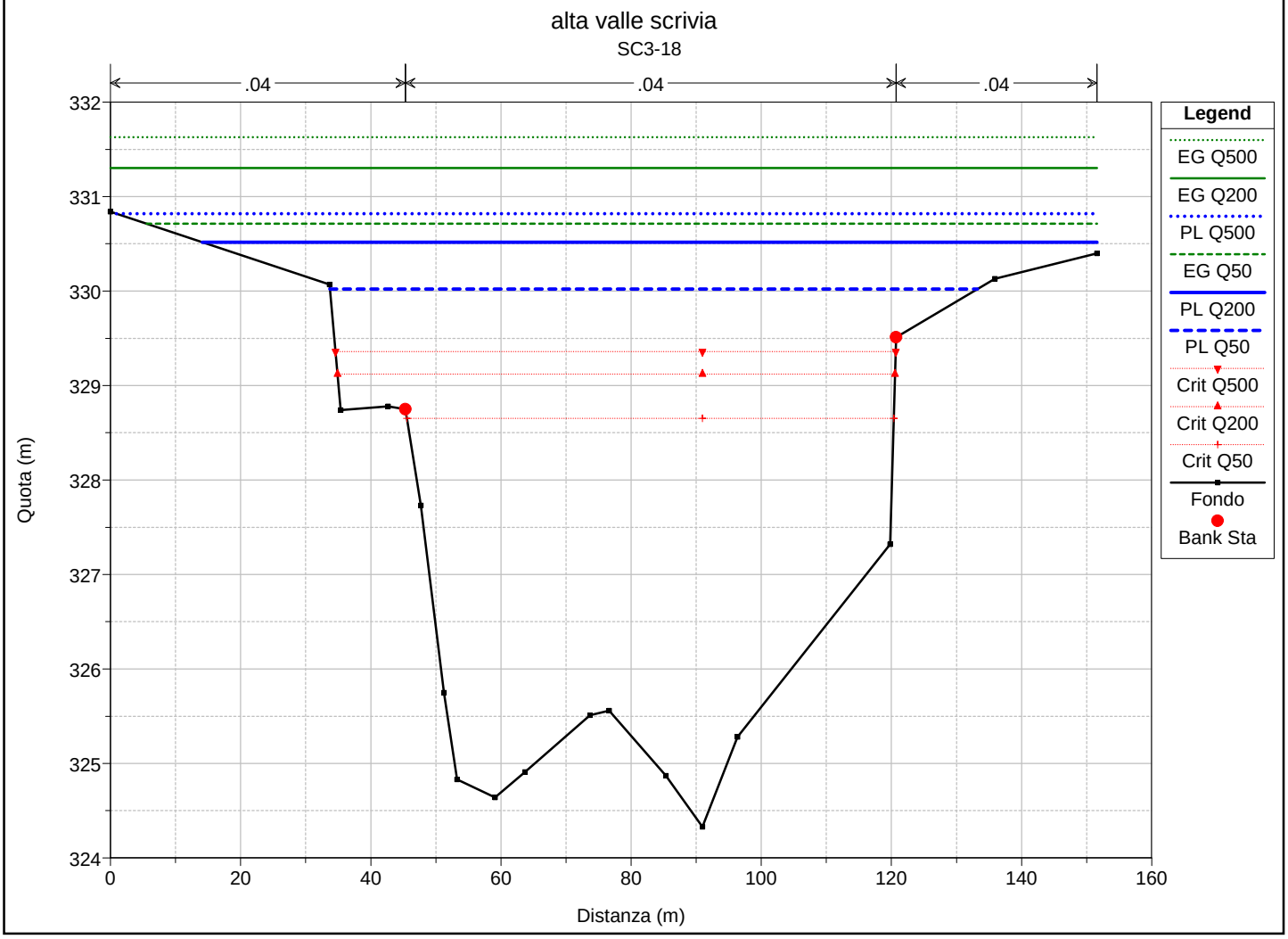
SC3-19

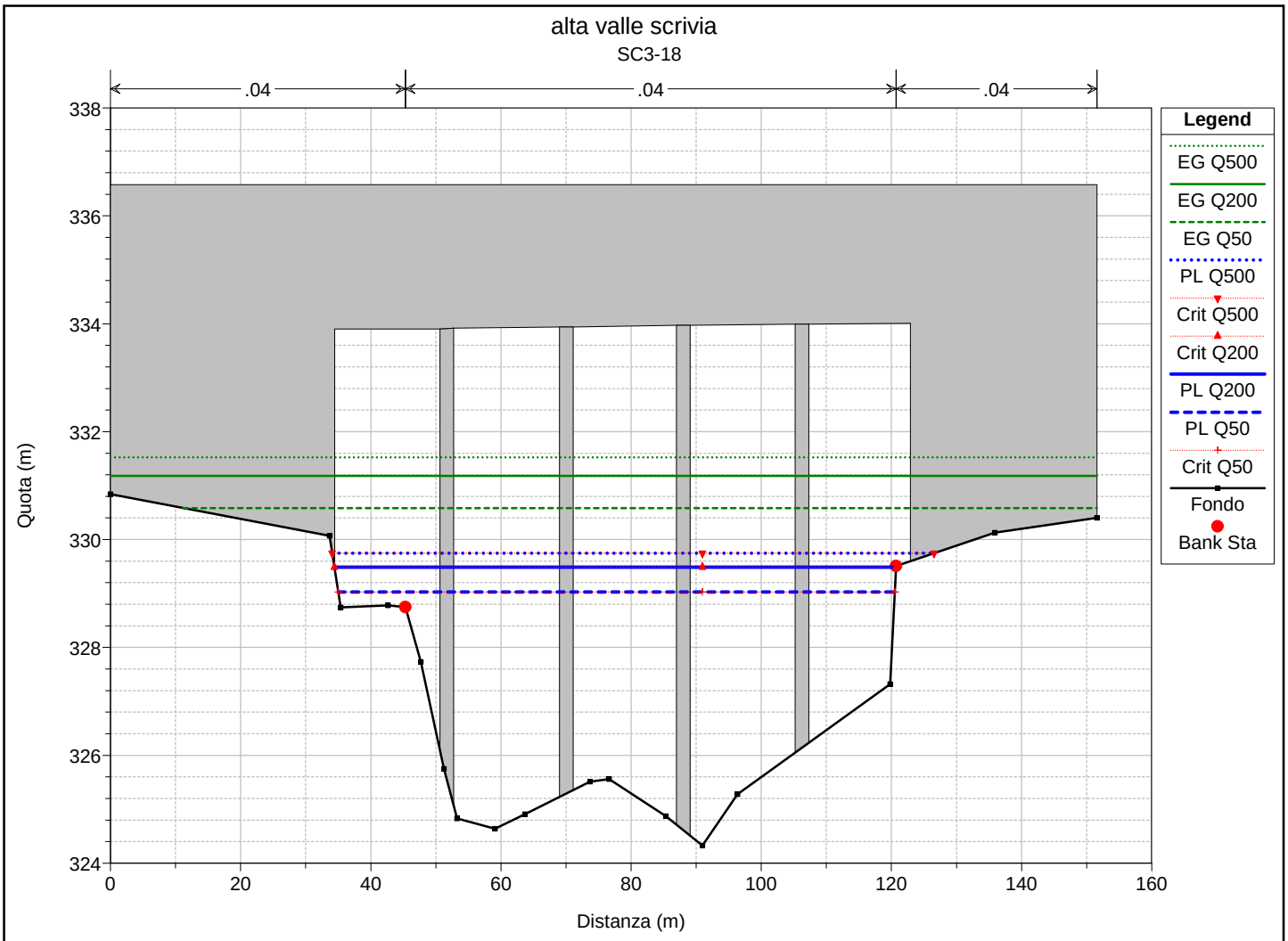


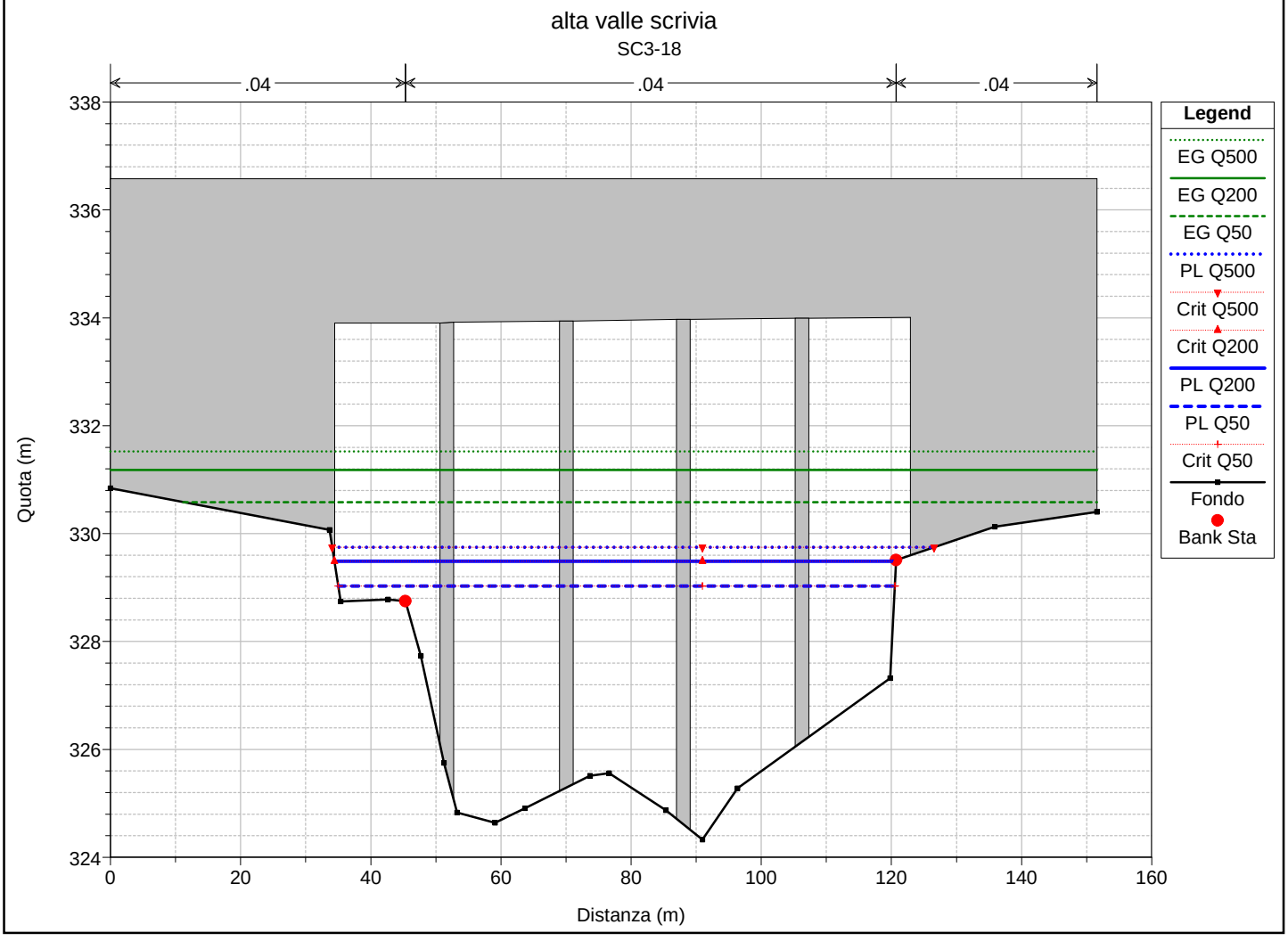

alta valle scrivia
SC3-19
.04
.04
.04
334
332
330
328
326
324
Quota (m)
0
20
40
60
80
100
120
140
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

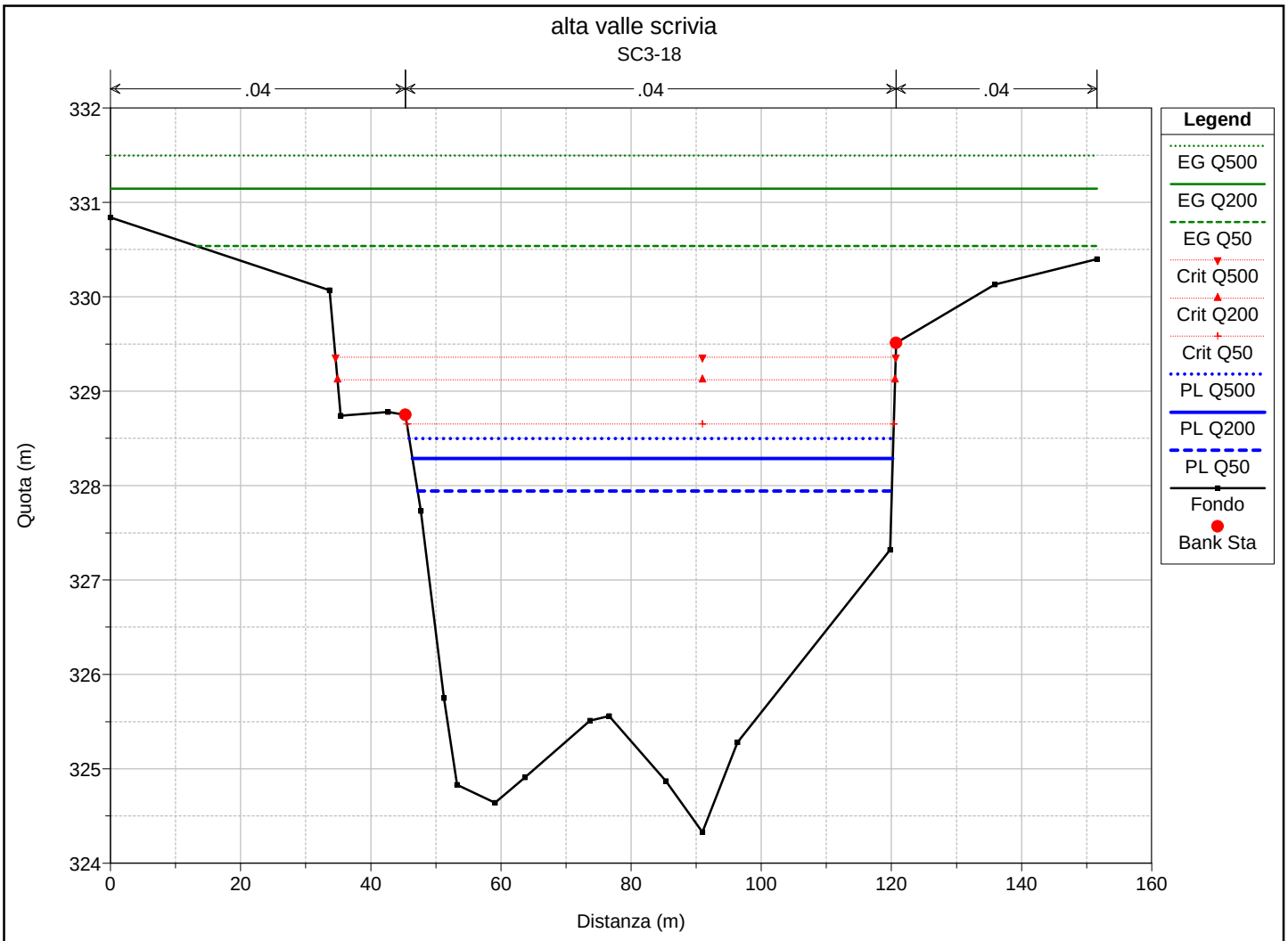

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Quota (m)
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120
140
Distanza (m)
Legend
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EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

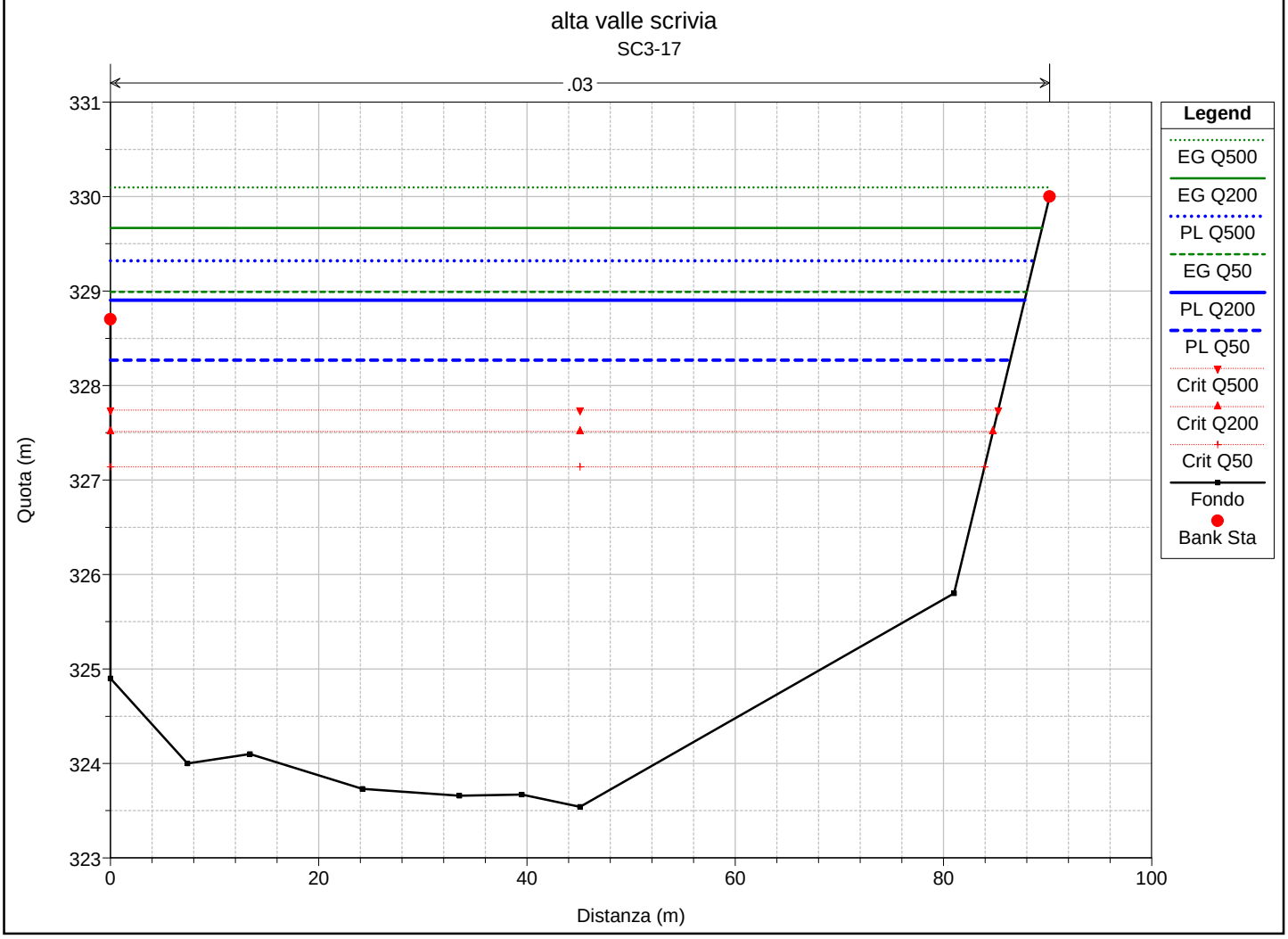

alta valle scrivia
SC3-19
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Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
334
332
330
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80
100
120
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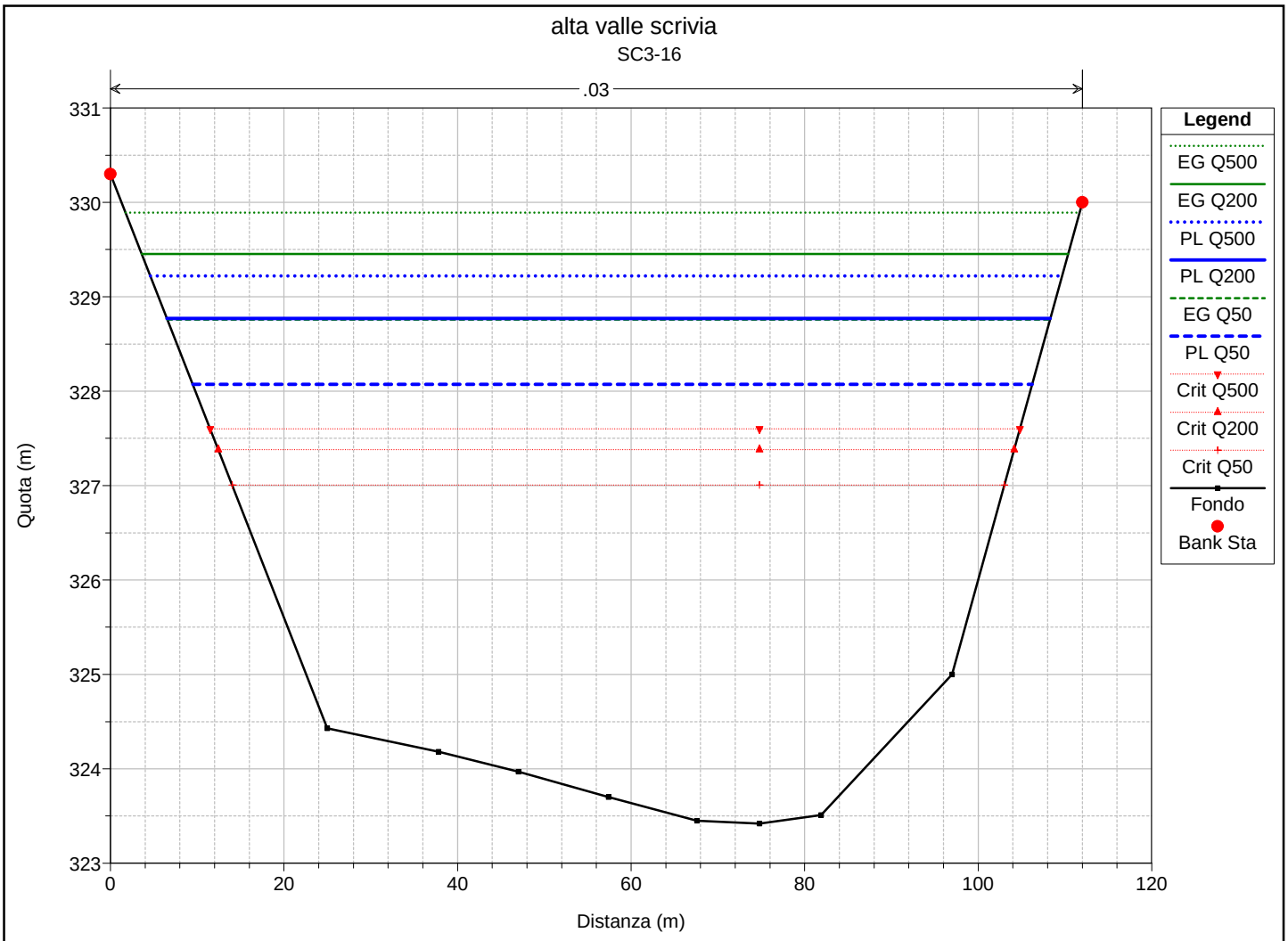

alta valle scrivia
SC3-18
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.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
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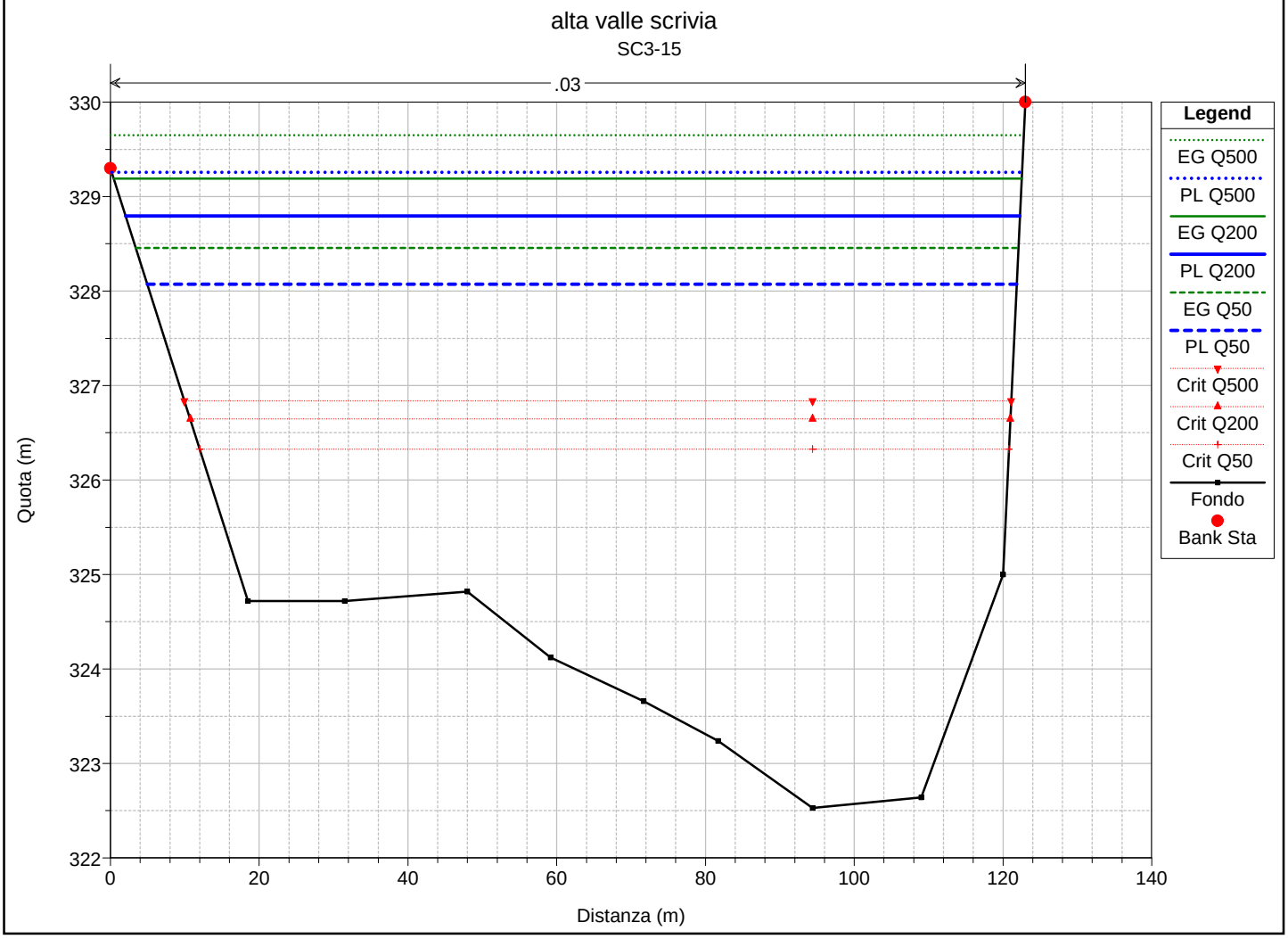

alta valle scrivia
SC3-18
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Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
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336
334
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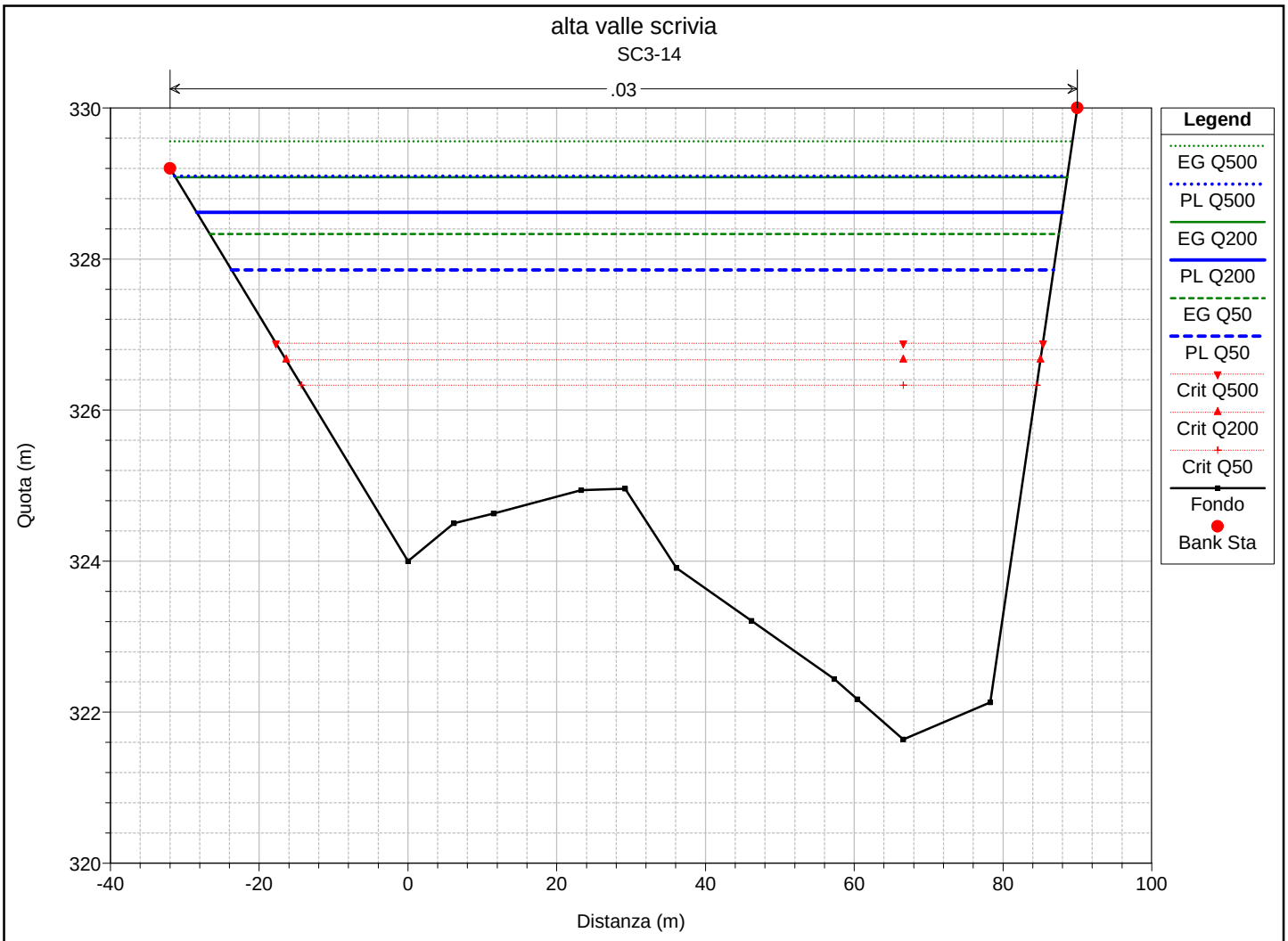

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Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
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336
334
332
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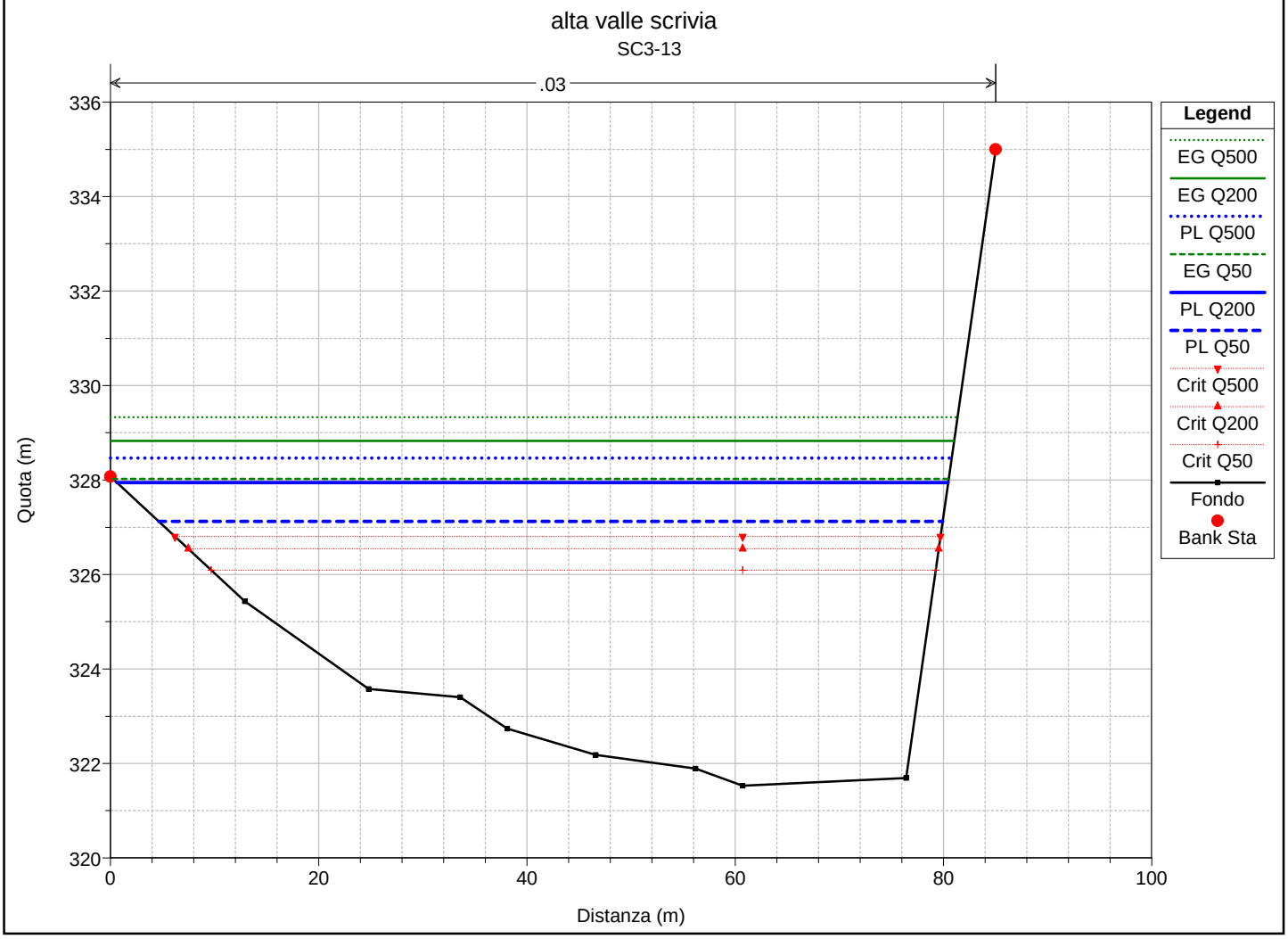

alta valle scrivia
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.04
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
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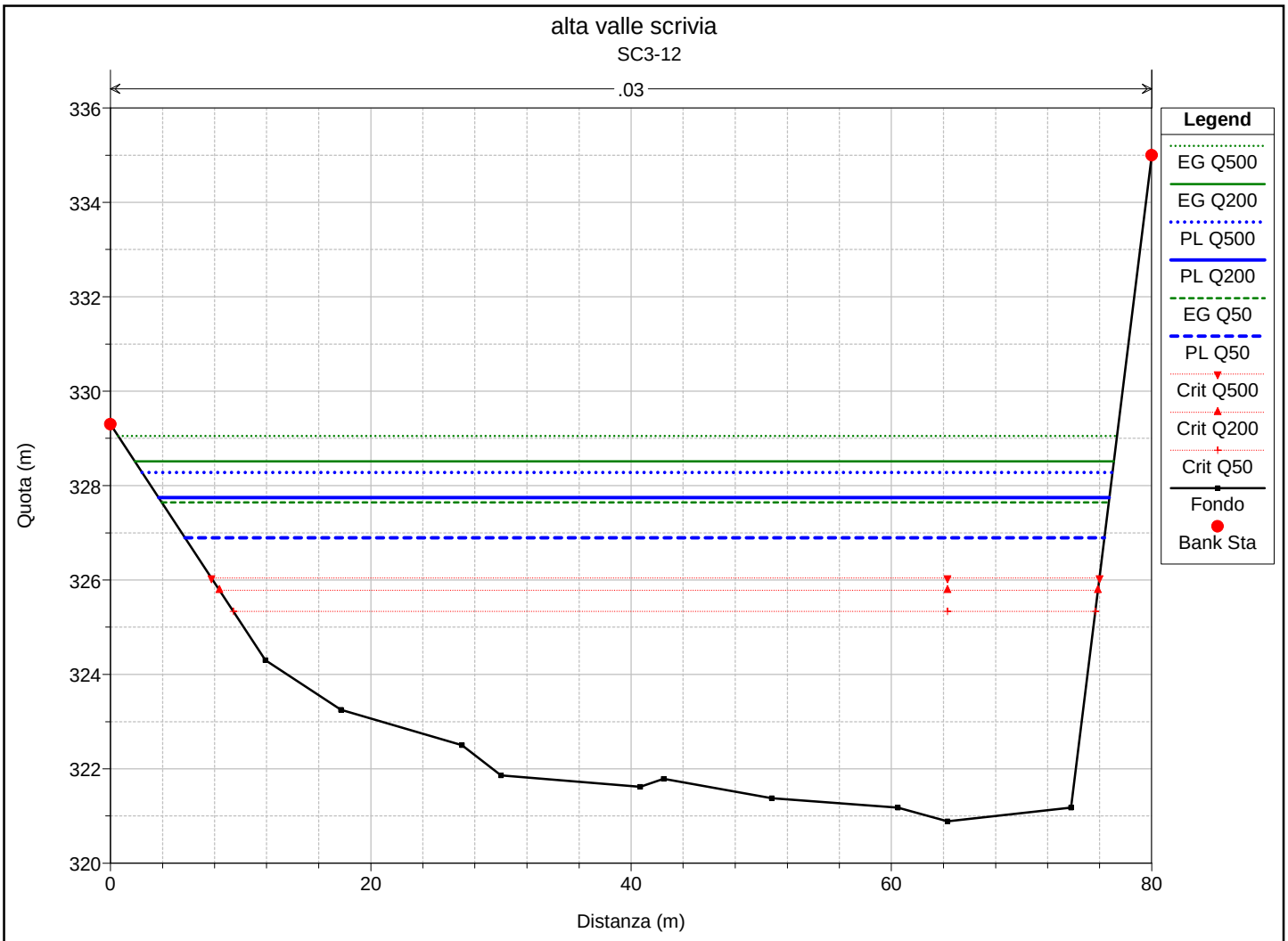

alta valle scrivia
SC3-17
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
331
330
329
328
327
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60
80
100

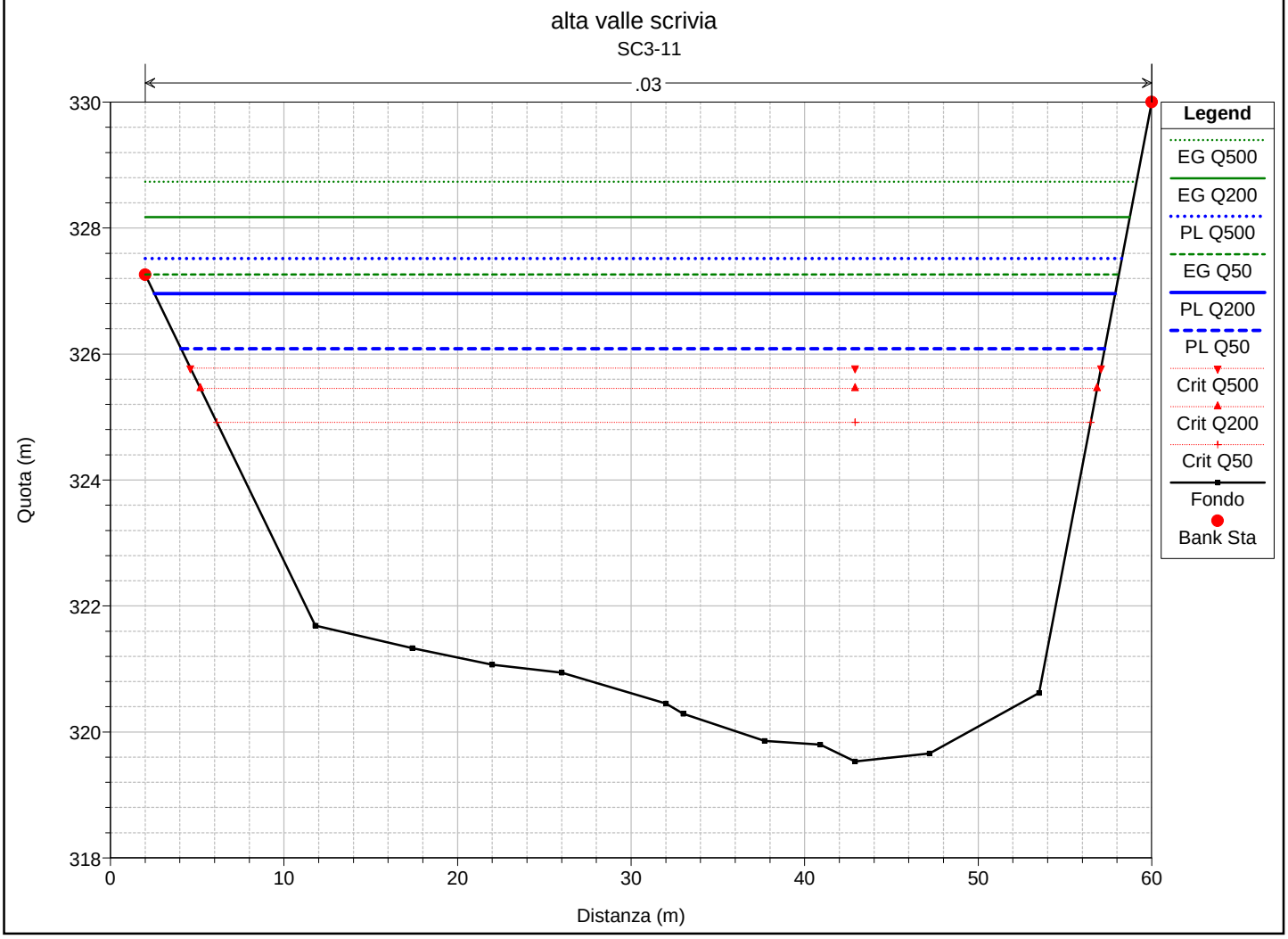

alta valle scrivia
SC3-16
.03
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
331
330
329
328
327
326
325
324
323
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60
80
100
120

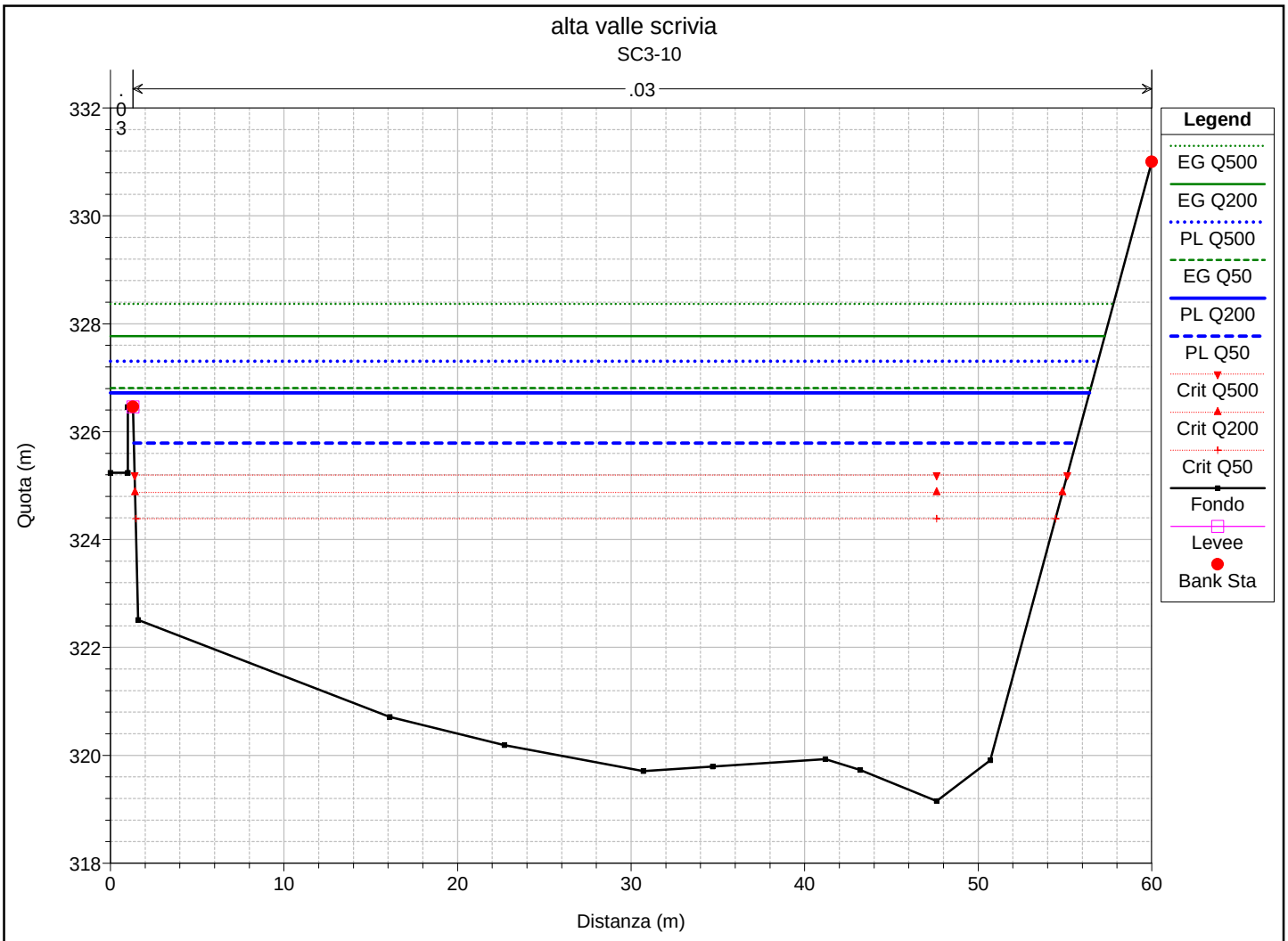

alta valle scrivia
SC3-15
.03
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
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329
328
327
326
325
324
323
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0
20
40
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80
100
120
140

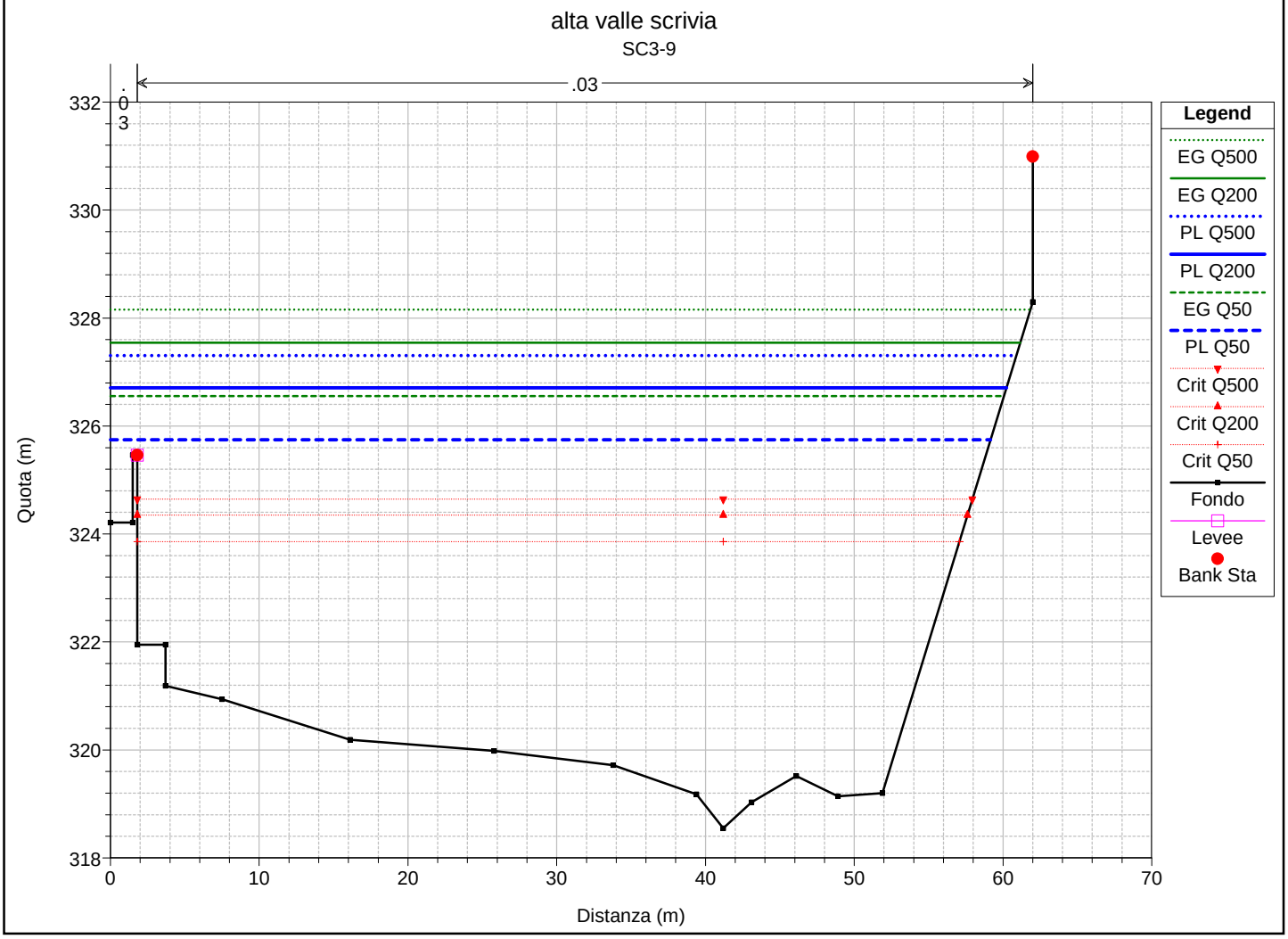

alta valle scrivia
SC3-14
.03
330
328
326
324
322
320
-40
-20
0
20
40
60
80
100
Quota (m)
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

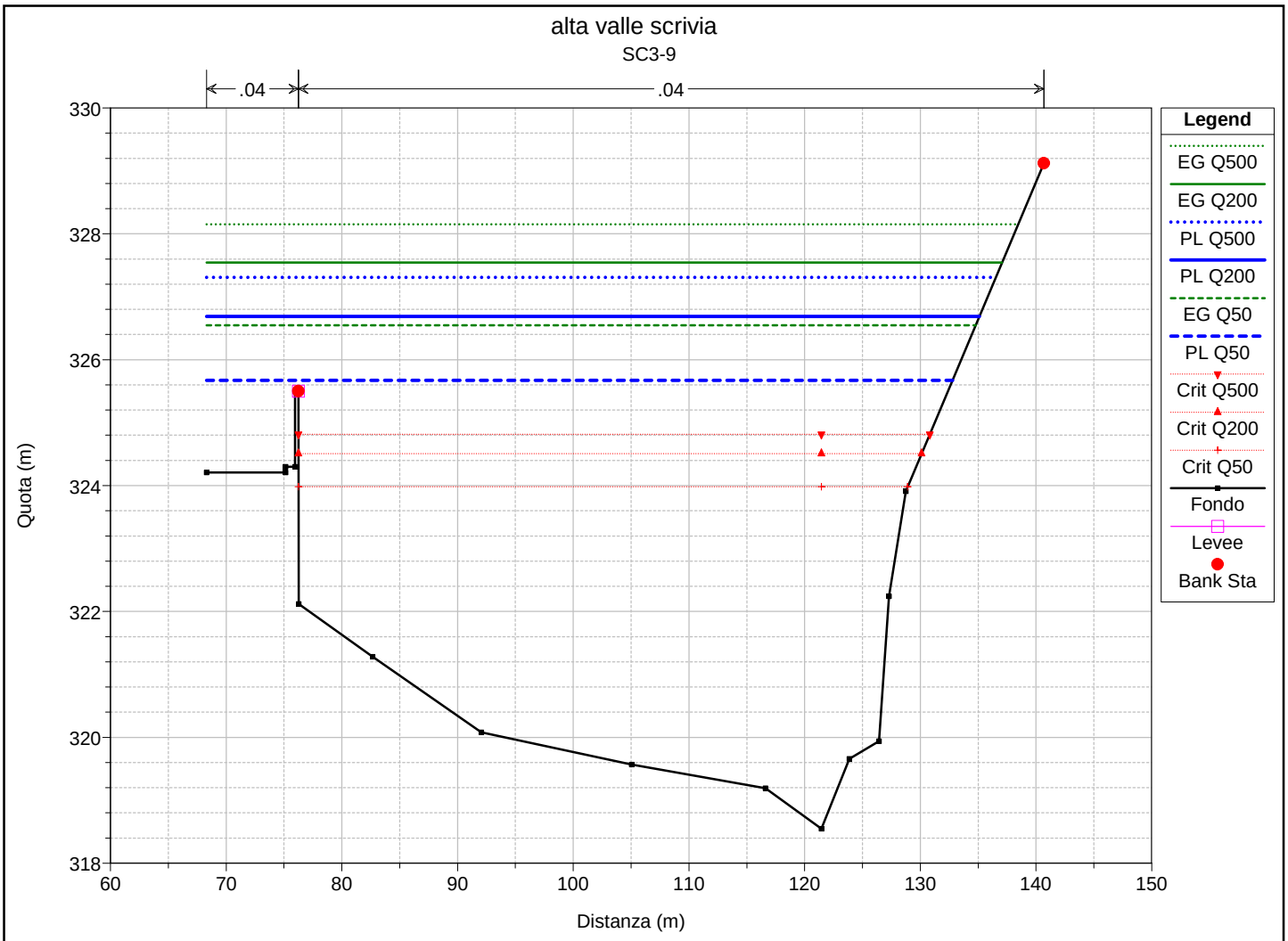

alta valle scrivia
SC3-13
.03
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334
332
330
328
326
324
322
320
0
20
40
60
80
100
Quota (m)
Distanza (m)
Legend
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EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

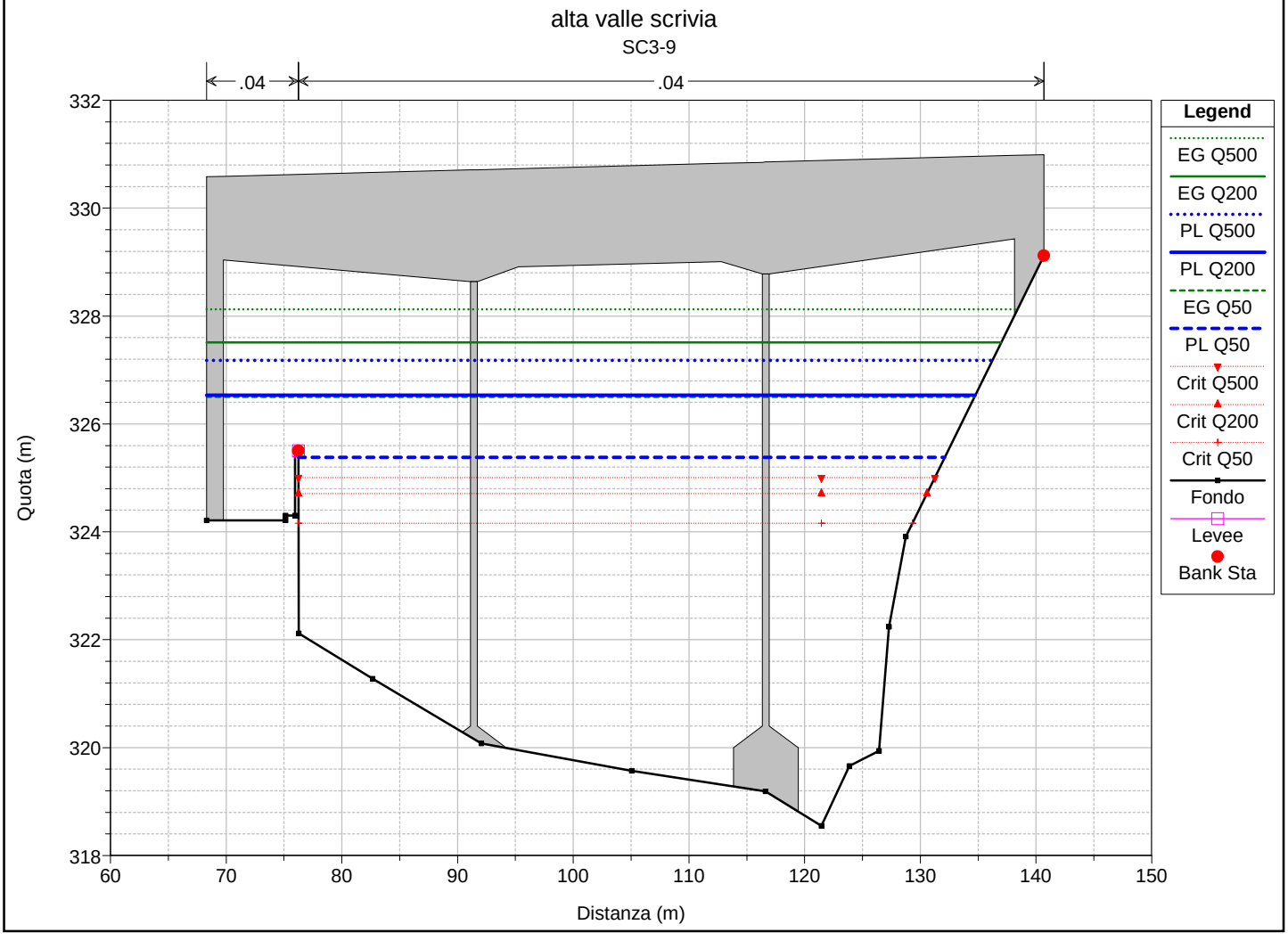

alta valle scrivia
SC3-12
.03
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
336
334
332
330
328
326
324
322
320
0
20
40
60
80

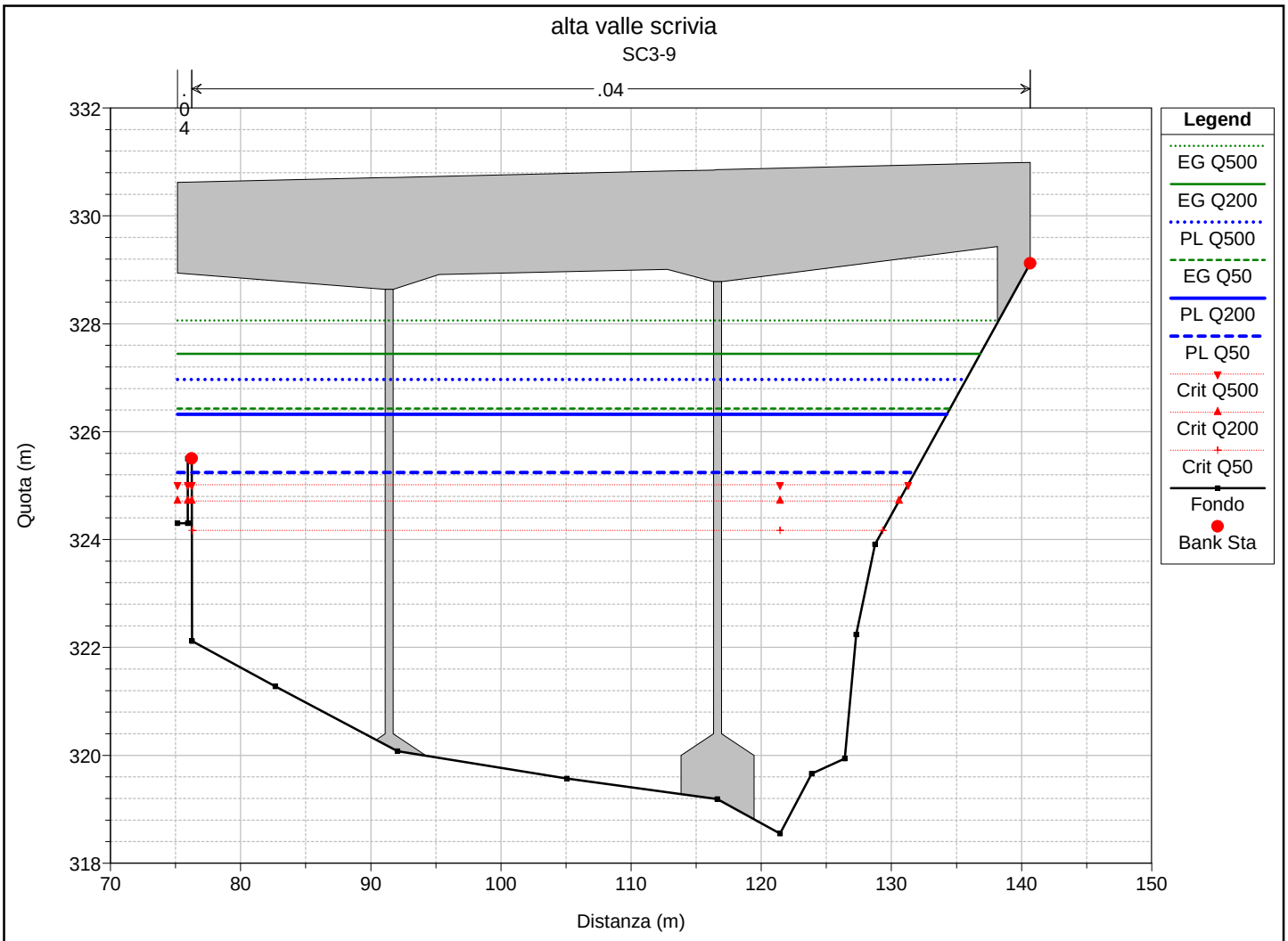

alta valle scrivia
SC3-11
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
330
328
326
324
322
320
318
0
10
20
30
40
50
60

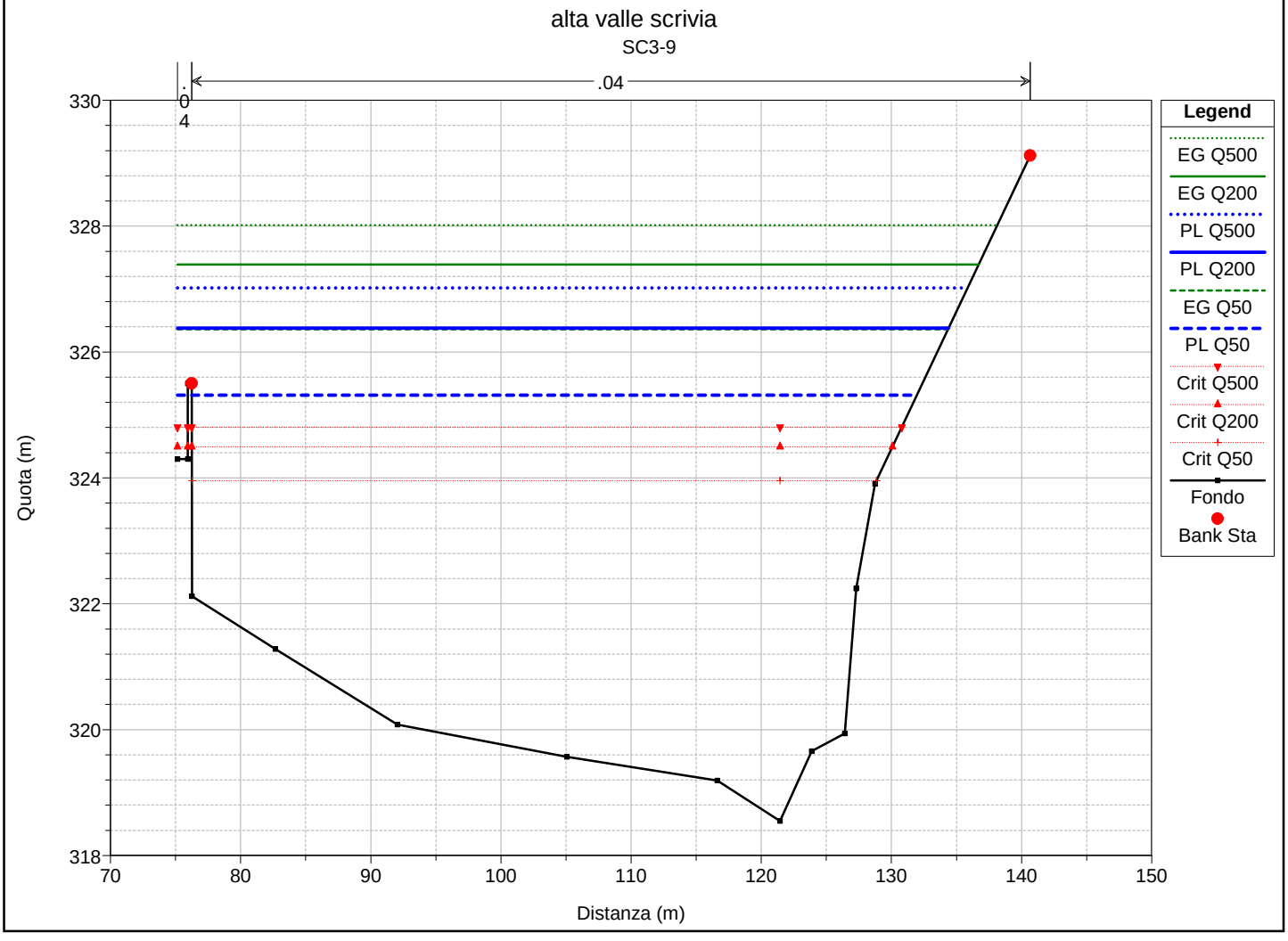

alta valle scrivia
SC3-10
.03
.03
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

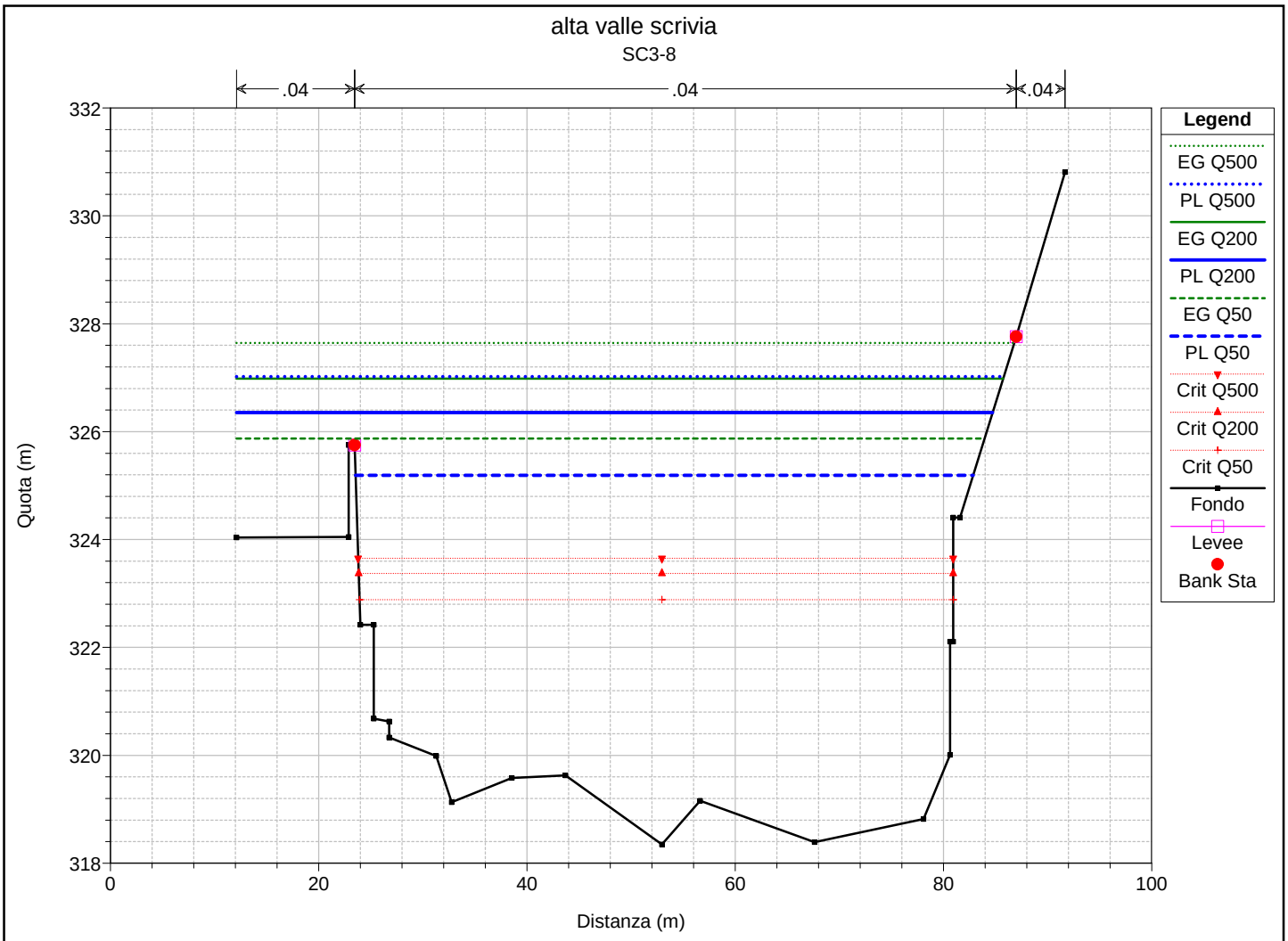

alta valle scrivia
SC3-9
.03
.03
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

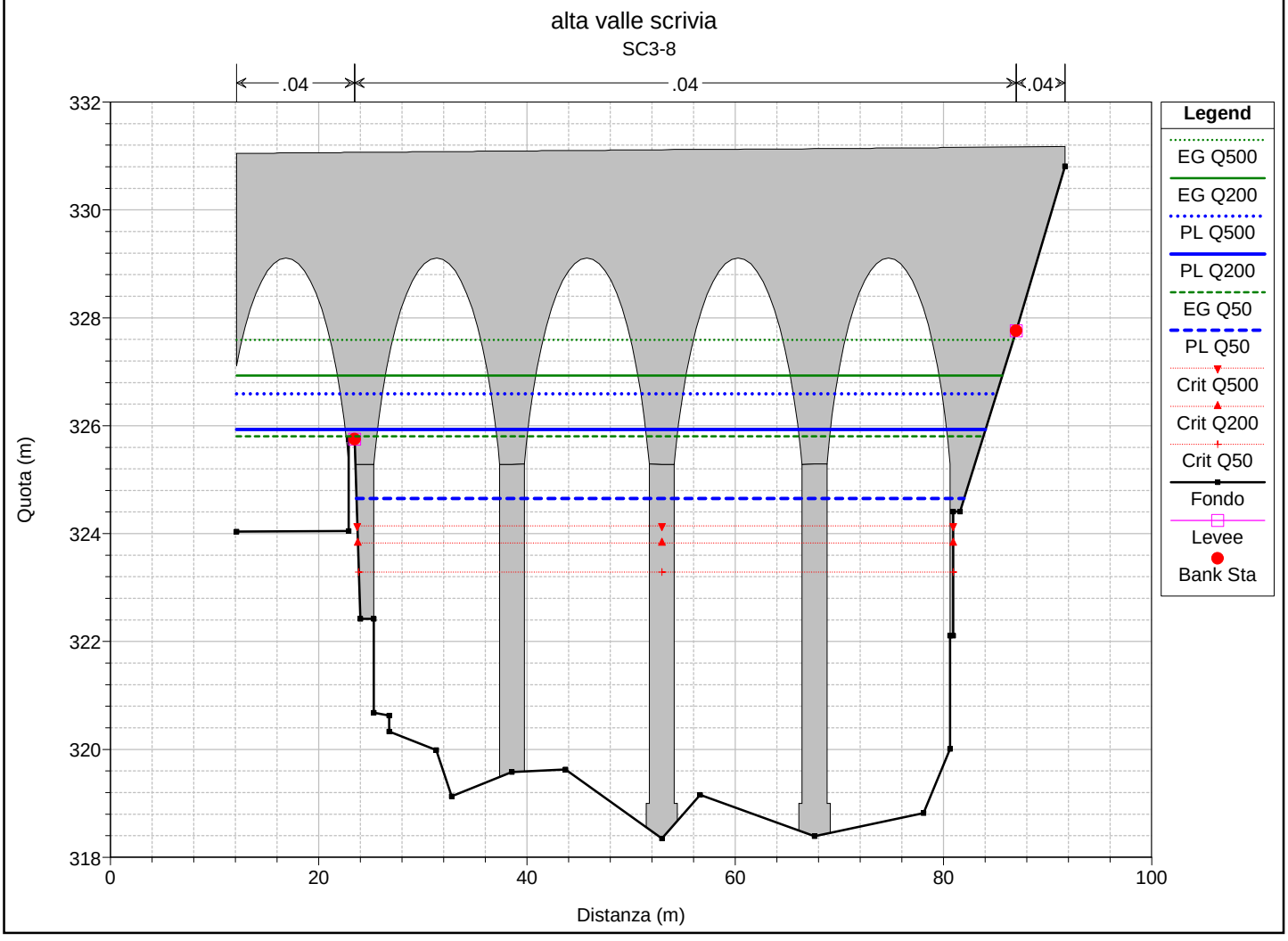

alta valle scrivia
SC3-9
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

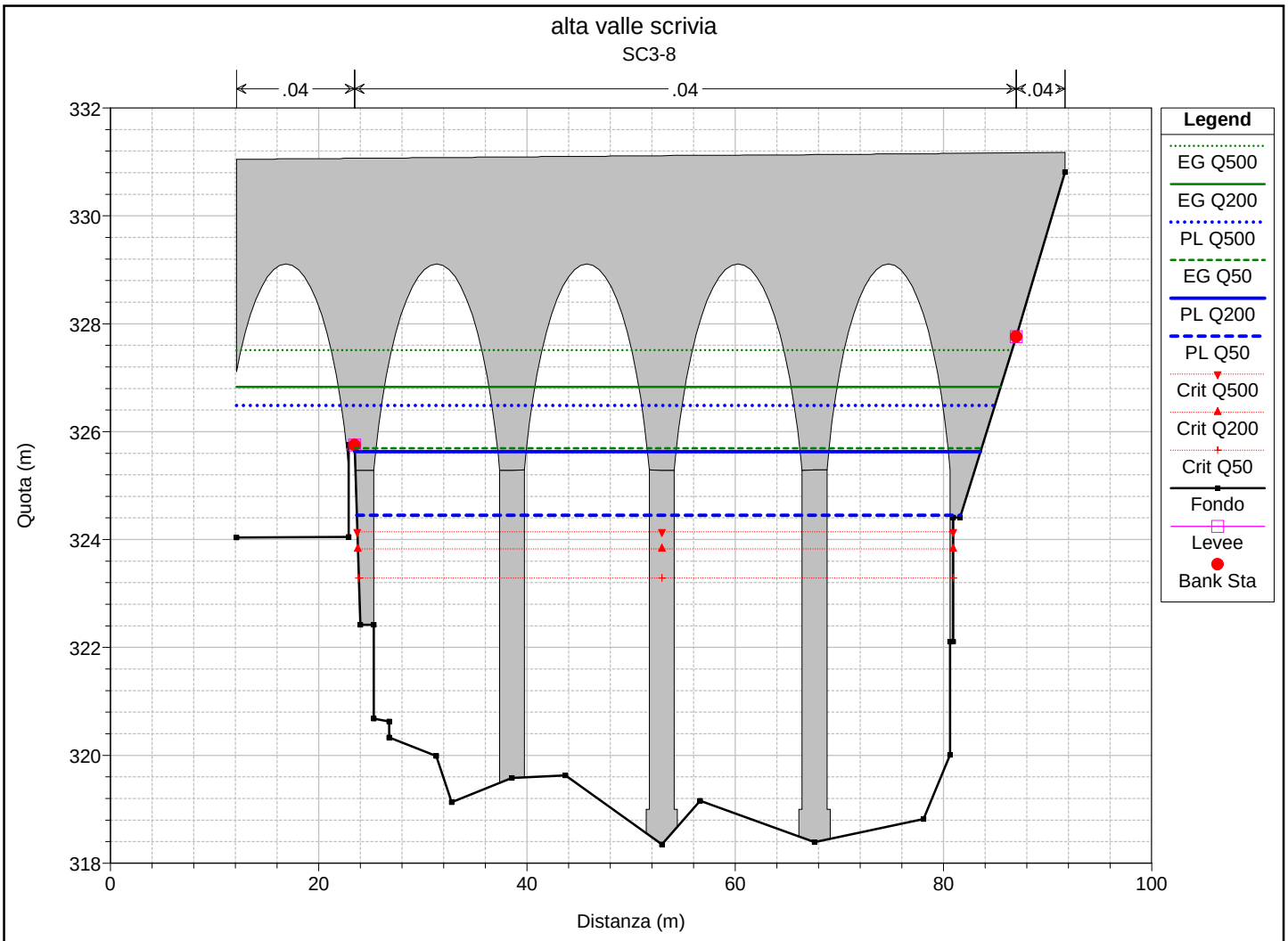

alta valle scrivia
SC3-9
.04
.04
Quota (m)
Distanza (m)
Legend
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EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

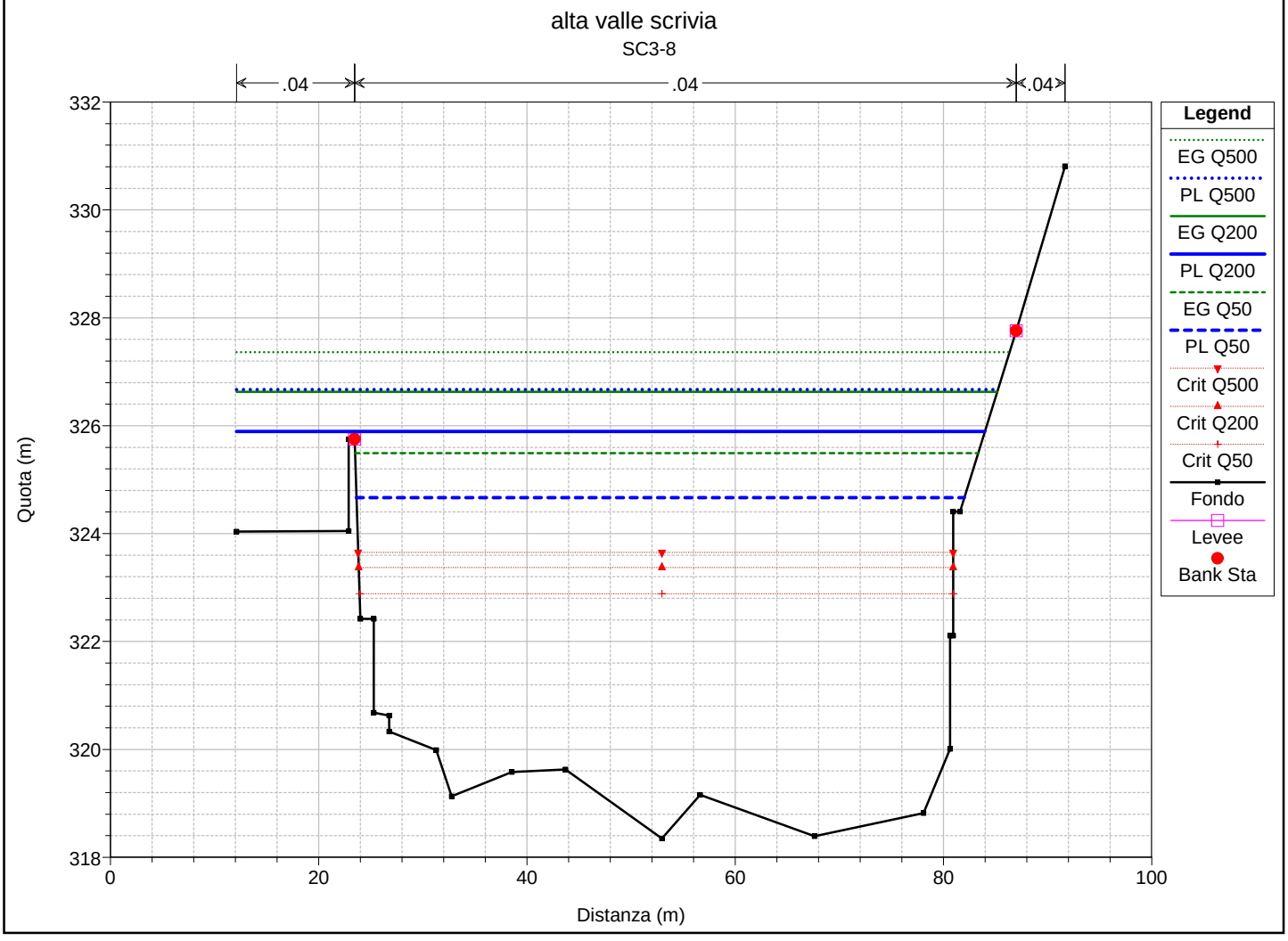

alta valle scrivia
SC3-9
.04
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
332
330
328
326
324
322
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318
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90
100
110
120
130
140
150

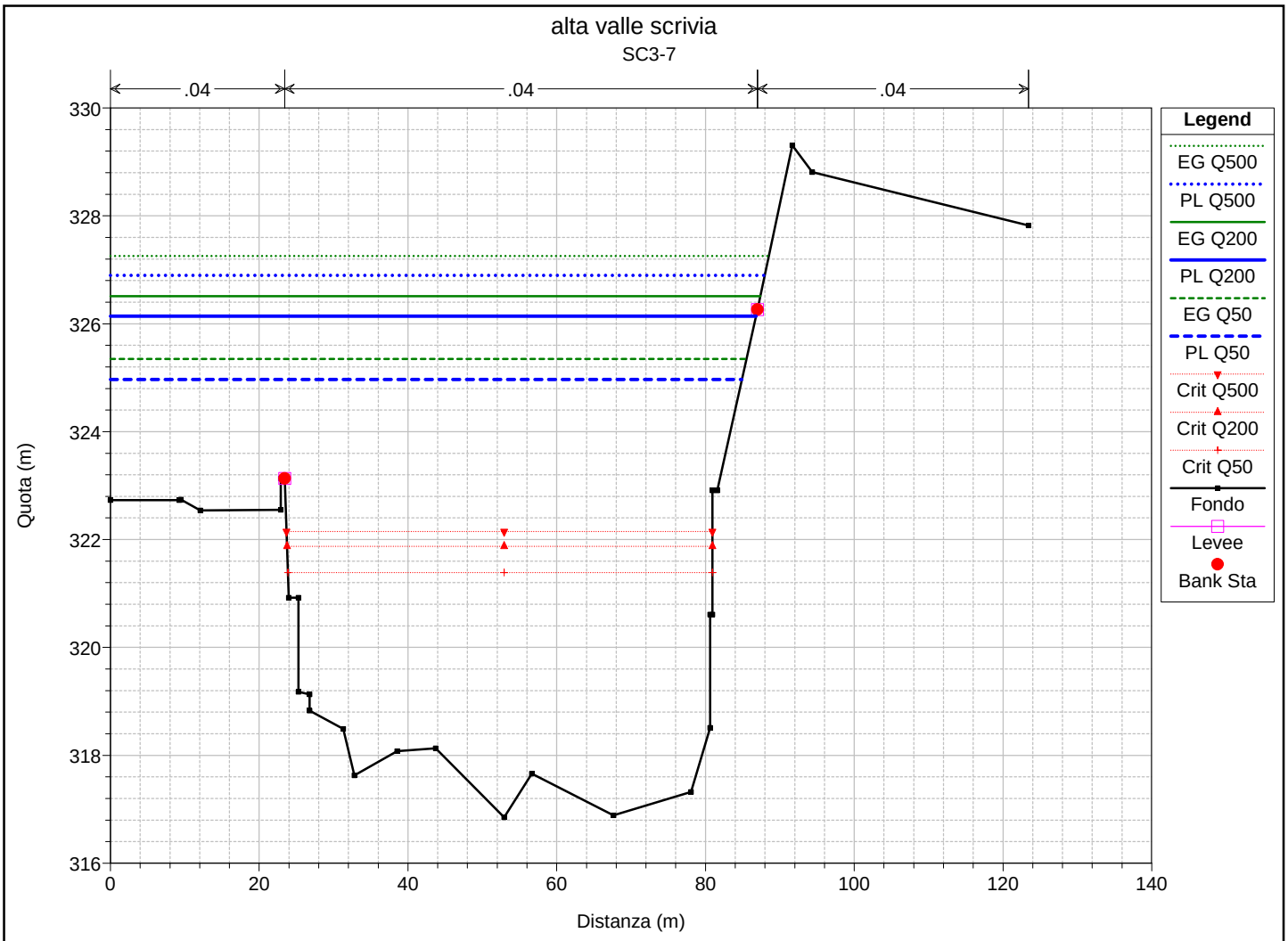

alta valle scrivia
SC3-9
.04
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Quota (m)
Distanza (m)
330
328
326
324
322
320
318
70
80
90
100
110
120
130
140
150


alta valle scrivia
SC3-8
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta


alta valle scrivia
SC3-8
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta


alta valle scrivia
SC3-8
.04
.04
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
Quota (m)
Distanza (m)
332
330
328
326
324
322
320
318
0
20
40
60
80
100


alta valle scrivia
SC3-8
.04
.04
.04
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta
Quota (m)
Distanza (m)
332
330
328
326
324
322
320
318
0
20
40
60
80
100


alta valle scrivia
SC3-7
.04
.04
.04
330
328
326
324
322
320
318
316
Quota (m)
0
20
40
60
80
100
120
140
Distanza (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

HEC-RAS Plan: 5_VBP2 River: scrivia Reach: Borgo-Isola

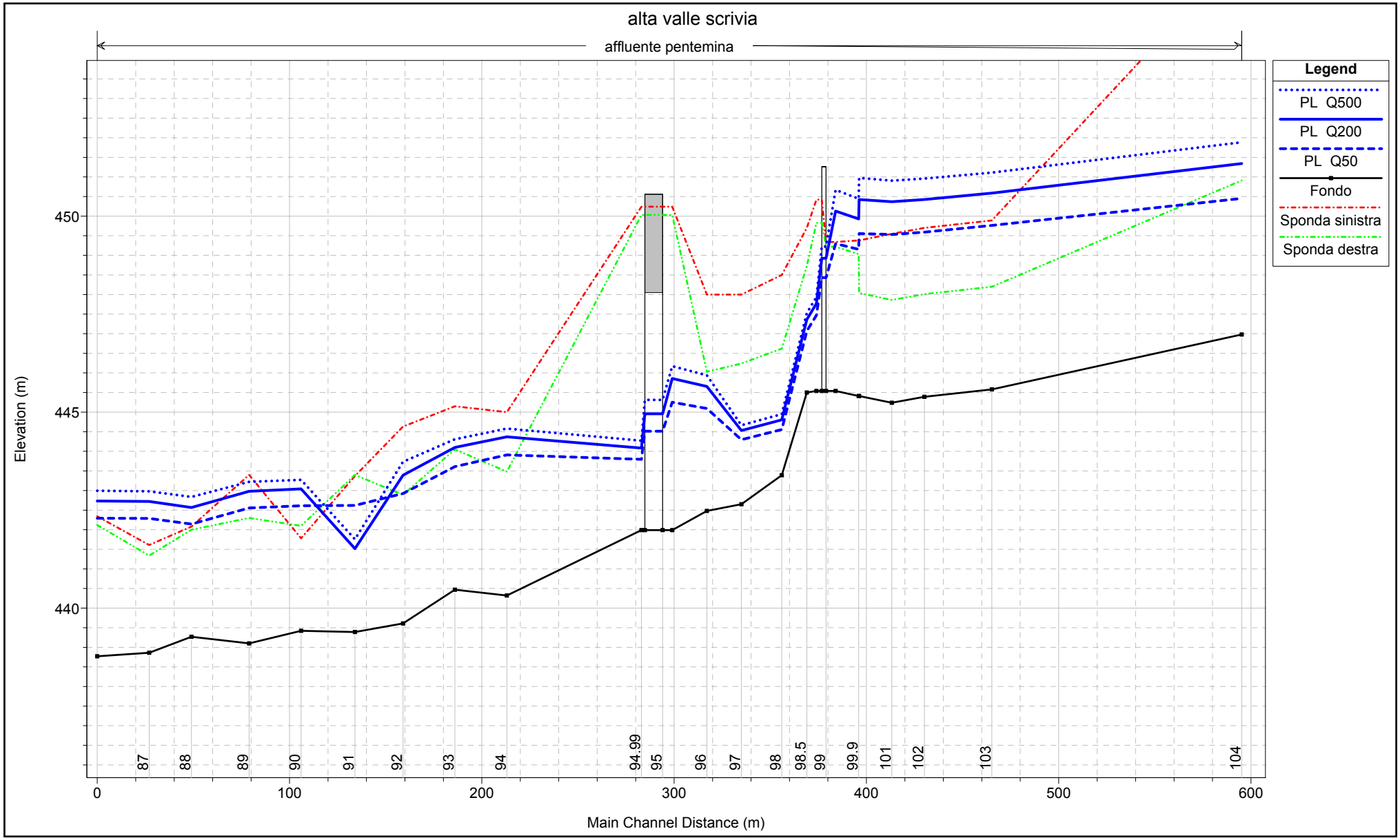
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Borgo-Isola	10561.1 SC3-20	Q50	1252.00	326.39	331.17	335.00	3.83	331.35	0.18	330.76	332.38	0.007597	4.88	256.78	74.86	0.84
Borgo-Isola	10561.1 SC3-20	Q200	1503.00	326.39	331.64	335.00	3.36	331.35	-0.29	331.19	332.99	0.007338	5.15	291.93	75.99	0.84
Borgo-Isola	10561.1 SC3-20	Q500	1659.00	326.39	331.90	335.00	3.10	331.35	-0.55	331.43	333.34	0.007249	5.32	312.01	76.34	0.84
Borgo-Isola	10300.1 SC3-19	Q50	1252.00	324.55	330.52	329.27	-1.25	329.94	-0.58	328.75	331.14	0.002543	3.51	371.01	100.32	0.51
Borgo-Isola	10300.1 SC3-19	Q200	1503.00	324.55	331.06	329.27	-1.79	329.94	-1.12	329.17	331.75	0.002500	3.73	429.85	115.86	0.51
Borgo-Isola	10300.1 SC3-19	Q500	1659.00	324.55	331.38	329.27	-2.11	329.94	-1.44	329.43	332.10	0.002444	3.83	467.75	118.46	0.51
Borgo-Isola	10292.6 SC3-19		Bridge													
Borgo-Isola	10285.1 SC3-19	Q50	1252.00	324.55	330.21	329.27	-0.94	329.94	-0.27	328.75	330.93	0.003216	3.78	340.70	95.03	0.56
Borgo-Isola	10285.1 SC3-19	Q200	1503.00	324.55	330.70	329.27	-1.43	329.94	-0.76	329.17	331.52	0.003214	4.04	389.81	106.60	0.57
Borgo-Isola	10285.1 SC3-19	Q500	1659.00	324.55	330.98	329.27	-1.71	329.94	-1.04	329.43	331.85	0.003220	4.19	420.71	115.55	0.58
Borgo-Isola	10220.1 SC3-18	Q50	1252.00	324.33	330.02	328.75	-1.27	329.51	-0.51	328.65	330.71	0.003222	3.72	347.55	99.49	0.57
Borgo-Isola	10220.1 SC3-18	Q200	1503.00	324.33	330.52	328.75	-1.77	329.51	-1.01	329.12	331.30	0.003189	3.97	406.61	137.49	0.57
Borgo-Isola	10220.1 SC3-18	Q500	1659.00	324.33	330.82	328.75	-2.07	329.51	-1.31	329.36	331.63	0.003085	4.07	450.05	150.67	0.57
Borgo-Isola	10201.1 SC3-18		Bridge													
Borgo-Isola	10182.1 SC3-18	Q50	1252.00	324.33	327.94	328.75	0.81	329.51	1.57	328.65	330.54	0.025883	7.13	175.51	72.88	1.47
Borgo-Isola	10182.1 SC3-18	Q200	1503.00	324.33	328.29	328.75	0.46	329.51	1.22	329.12	331.14	0.024366	7.49	200.76	73.83	1.45
Borgo-Isola	10182.1 SC3-18	Q500	1659.00	324.33	328.50	328.75	0.25	329.51	1.01	329.36	331.49	0.023450	7.67	216.35	74.41	1.44
Borgo-Isola	10018.13 SC3-17	Q50	1252.00	323.54	328.27	328.70	0.43	330.00	1.73	327.14	328.99	0.002242	3.76	332.82	86.41	0.61
Borgo-Isola	10018.13 SC3-17	Q200	1503.00	323.54	328.90	328.70	-0.20	330.00	1.10	327.51	329.67	0.001998	3.87	388.11	87.80	0.59
Borgo-Isola	10018.13 SC3-17	Q500	1659.00	323.54	329.32	328.70	-0.62	330.00	0.68	327.74	330.10	0.001838	3.91	424.78	88.71	0.57
Borgo-Isola	9920.13 SC3-16	Q50	1252.00	323.42	328.07	330.30	2.23	330.00	1.93	327.01	328.76	0.002292	3.67	341.00	96.72	0.62
Borgo-Isola	9920.13 SC3-16	Q200	1503.00	323.42	328.77	330.30	1.53	330.00	1.23	327.38	329.45	0.001912	3.66	410.30	101.79	0.58
Borgo-Isola	9920.13 SC3-16	Q500	1659.00	323.42	329.22	330.30	1.08	330.00	0.78	327.60	329.89	0.001699	3.63	456.96	105.07	0.56
Borgo-Isola	9786.13 SC3-15	Q50	1252.00	322.53	328.07	329.30	1.23	330.00	1.93	326.33	328.46	0.001143	2.75	455.16	116.88	0.44
Borgo-Isola	9786.13 SC3-15	Q200	1503.00	322.53	328.80	329.30	0.50	330.00	1.20	326.65	329.19	0.000966	2.78	541.01	120.24	0.42
Borgo-Isola	9786.13 SC3-15	Q500	1659.00	322.53	329.26	329.30	0.04	330.00	0.74	326.84	329.65	0.000871	2.78	596.92	122.38	0.40
Borgo-Isola	9696.13 SC3-14	Q50	1252.00	321.64	327.86	329.20	1.34	330.00	2.14	326.33	328.33	0.001500	3.05	410.14	110.55	0.51
Borgo-Isola	9696.13 SC3-14	Q200	1503.00	321.64	328.62	329.20	0.58	330.00	1.38	326.66	329.08	0.001227	3.03	496.46	116.36	0.47
Borgo-Isola	9696.13 SC3-14	Q500	1659.00	321.64	329.10	329.20	0.10	330.00	0.90	326.88	329.56	0.001086	3.00	553.39	120.04	0.45
Borgo-Isola	9563.13 SC3-13	Q50	1252.00	321.53	327.12	328.07	0.95	335.00	7.88	326.09	328.03	0.002714	4.21	297.16	75.27	0.68
Borgo-Isola	9563.13 SC3-13	Q200	1503.00	321.53	327.94	328.07	0.13	335.00	7.06	326.54	328.83	0.002222	4.16	361.02	79.83	0.62
Borgo-Isola	9563.13 SC3-13	Q500	1659.00	321.53	328.46	328.07	-0.39	335.00	6.54	326.80	329.33	0.001929	4.12	402.77	80.78	0.59
Borgo-Isola	9414.12 SC3-12	Q50	1252.00	320.89	326.89	329.30	2.41	335.00	8.11	325.33	327.65	0.001877	3.84	325.87	70.64	0.57
Borgo-Isola	9414.12 SC3-12	Q200	1503.00	320.89	327.74	329.30	1.56	335.00	7.26	325.78	328.51	0.001610	3.88	386.99	73.04	0.54
Borgo-Isola	9414.12 SC3-12	Q500	1659.00	320.89	328.28	329.30	1.02	335.00	6.72	326.04	329.05	0.001468	3.89	426.39	74.55	0.52
Borgo-Isola	9264.12 SC3-11	Q50	1252.00	319.53	326.09	327.26	1.17	330.00	3.91	324.92	327.26	0.002774	4.81	260.32	53.22	0.69
Borgo-Isola	9264.12 SC3-11	Q200	1503.00	319.53	326.96	327.26	0.30	330.00	3.04	325.46	328.17	0.002441	4.88	307.72	55.36	0.66
Borgo-Isola	9264.12 SC3-11	Q500	1659.00	319.53	327.51	327.26	-0.25	330.00	2.49	325.78	328.74	0.002231	4.90	338.82	56.28	0.64

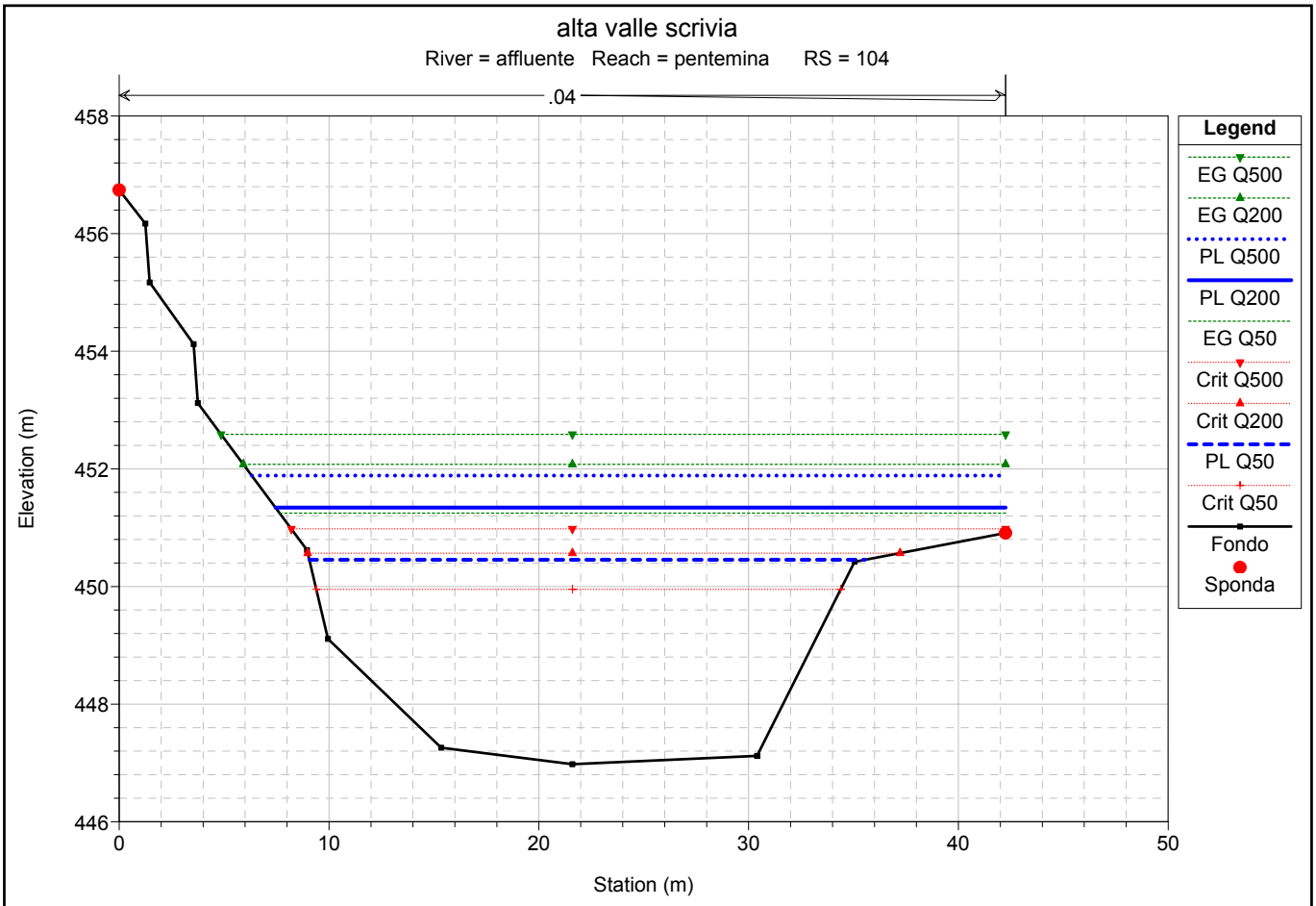
HEC-RAS Plan: 5_VBP2 River: scrivia Reach: Borgo-Isola (Continued)

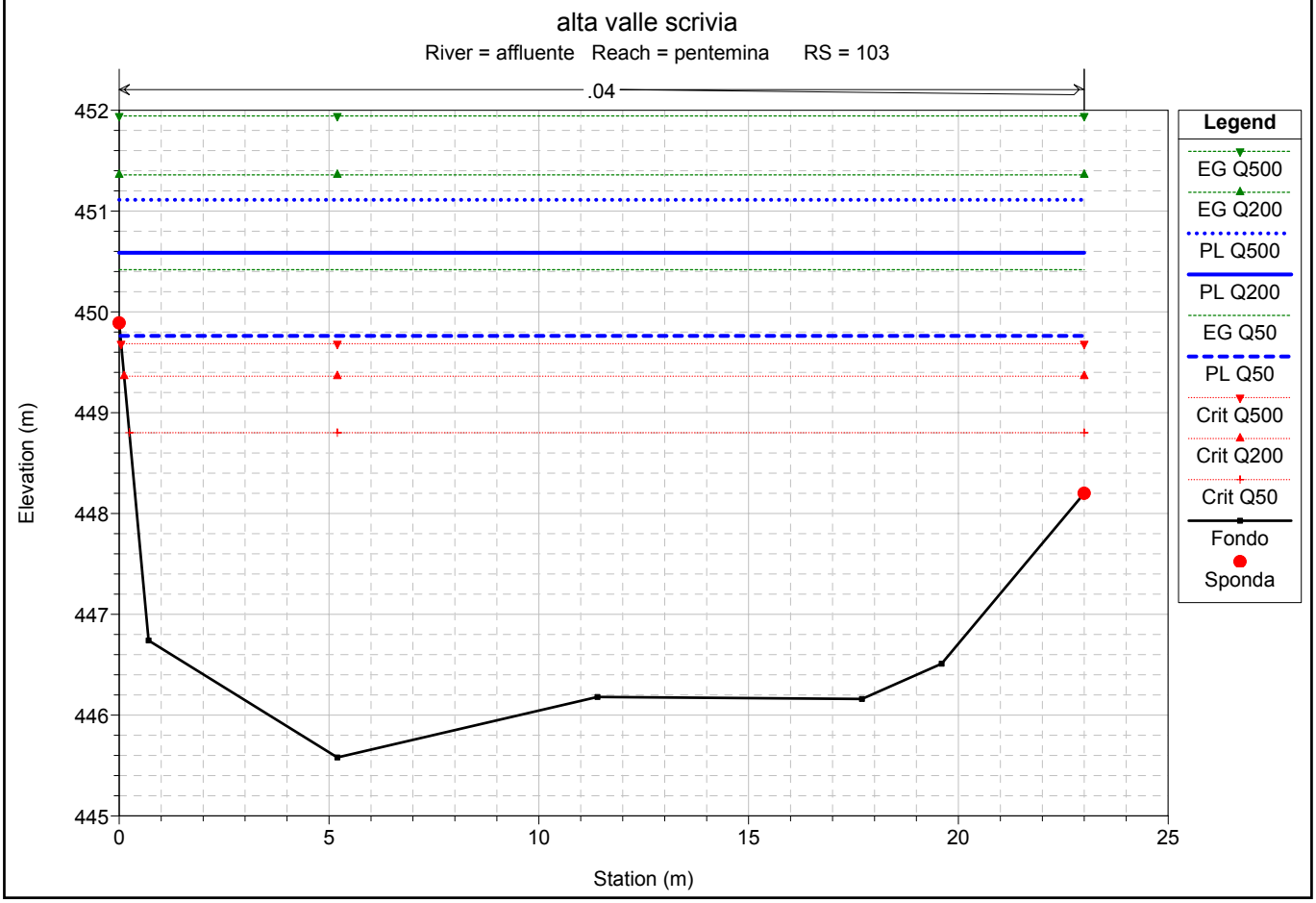
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Borgo-Isola	9104.12 SC3-10	Q50	1252.00	319.15	325.79	326.46	0.67	331.00	5.21	324.39	326.81	0.002345	4.48	279.28	54.28	0.63
Borgo-Isola	9104.12 SC3-10	Q200	1503.00	319.15	326.72	326.46	-0.26	331.00	4.28	324.87	327.77	0.002010	4.55	331.85	56.41	0.59
Borgo-Isola	9104.12 SC3-10	Q500	1659.00	319.15	327.30	326.46	-0.84	331.00	3.70	325.20	328.37	0.001820	4.57	365.02	56.90	0.57
Borgo-Isola	9009.12 SC3-9	Q50	1252.00	318.55	325.75	325.46	-0.29	330.99	5.24	323.86	326.56	0.001737	3.99	315.80	59.17	0.54
Borgo-Isola	9009.12 SC3-9	Q200	1503.00	318.55	326.71	325.46	-1.25	330.99	4.28	324.35	327.54	0.001493	4.06	373.06	60.23	0.52
Borgo-Isola	9009.12 SC3-9	Q500	1659.00	318.55	327.30	325.46	-1.84	330.99	3.69	324.65	328.15	0.001366	4.09	409.31	60.89	0.50
Borgo-Isola	9009.11 SC3-9	Q50	1252.00	318.55	325.67	325.50	-0.17	329.12	3.45	323.98	326.55	0.003534	4.17	307.40	64.48	0.58
Borgo-Isola	9009.11 SC3-9	Q200	1503.00	318.55	326.69	325.50	-1.19	329.12	2.43	324.51	327.54	0.002883	4.14	373.93	66.80	0.54
Borgo-Isola	9009.11 SC3-9	Q500	1659.00	318.55	327.31	325.50	-1.81	329.12	1.81	324.82	328.15	0.002576	4.11	415.90	68.22	0.51
Borgo-Isola	8998.86 SC3-9		Bridge													
Borgo-Isola	8989.11 SC3-9	Q50	1252.00	318.55	325.31	325.50	0.19	329.12	3.81	323.95	326.36	0.004488	4.53	276.82	56.50	0.65
Borgo-Isola	8989.11 SC3-9	Q200	1503.00	318.55	326.38	325.50	-0.88	329.12	2.74	324.49	327.39	0.003535	4.46	338.65	59.25	0.59
Borgo-Isola	8989.11 SC3-9	Q500	1659.00	318.55	327.02	325.50	-1.52	329.12	2.10	324.81	328.02	0.003122	4.42	377.05	60.71	0.56
Borgo-Isola	8875.10 SC3-8	Q50	1252.00	318.35	325.19	325.75	0.56	327.76	2.57	322.89	325.87	0.002552	3.67	341.53	59.31	0.49
Borgo-Isola	8875.10 SC3-8	Q200	1503.00	318.35	326.35	325.75	-0.60	327.76	1.41	323.37	326.98	0.001973	3.56	436.87	72.62	0.44
Borgo-Isola	8875.10 SC3-8	Q500	1659.00	318.35	327.02	325.75	-1.27	327.76	0.74	323.65	327.64	0.001762	3.54	485.76	73.69	0.42
Borgo-Isola	8864.80 SC3-8		Bridge													
Borgo-Isola	8845.10 SC3-8	Q50	1252.00	318.35	324.67	325.75	1.09	327.76	3.09	322.89	325.49	0.003394	4.03	310.71	58.37	0.56
Borgo-Isola	8845.10 SC3-8	Q200	1503.00	318.35	325.89	325.75	-0.14	327.76	1.87	323.37	326.63	0.002484	3.84	403.65	71.87	0.49
Borgo-Isola	8845.10 SC3-8	Q500	1659.00	318.35	326.67	325.75	-0.92	327.76	1.09	323.65	327.36	0.002066	3.73	460.06	73.13	0.45
Borgo-Isola	8845.0 SC3-7	Q50	1252.00	316.85	324.97	323.13	-1.84	326.26	1.29	321.39	325.35	0.001181	2.81	473.44	84.90	0.34
Borgo-Isola	8845.0 SC3-7	Q200	1503.00	316.85	326.14	323.13	-3.01	326.26	0.12	321.87	326.51	0.000976	2.78	574.24	86.80	0.32
Borgo-Isola	8845.0 SC3-7	Q500	1659.00	316.85	326.89	323.13	-3.76	326.26	-0.63	322.15	327.26	0.000851	2.76	640.12	87.97	0.30

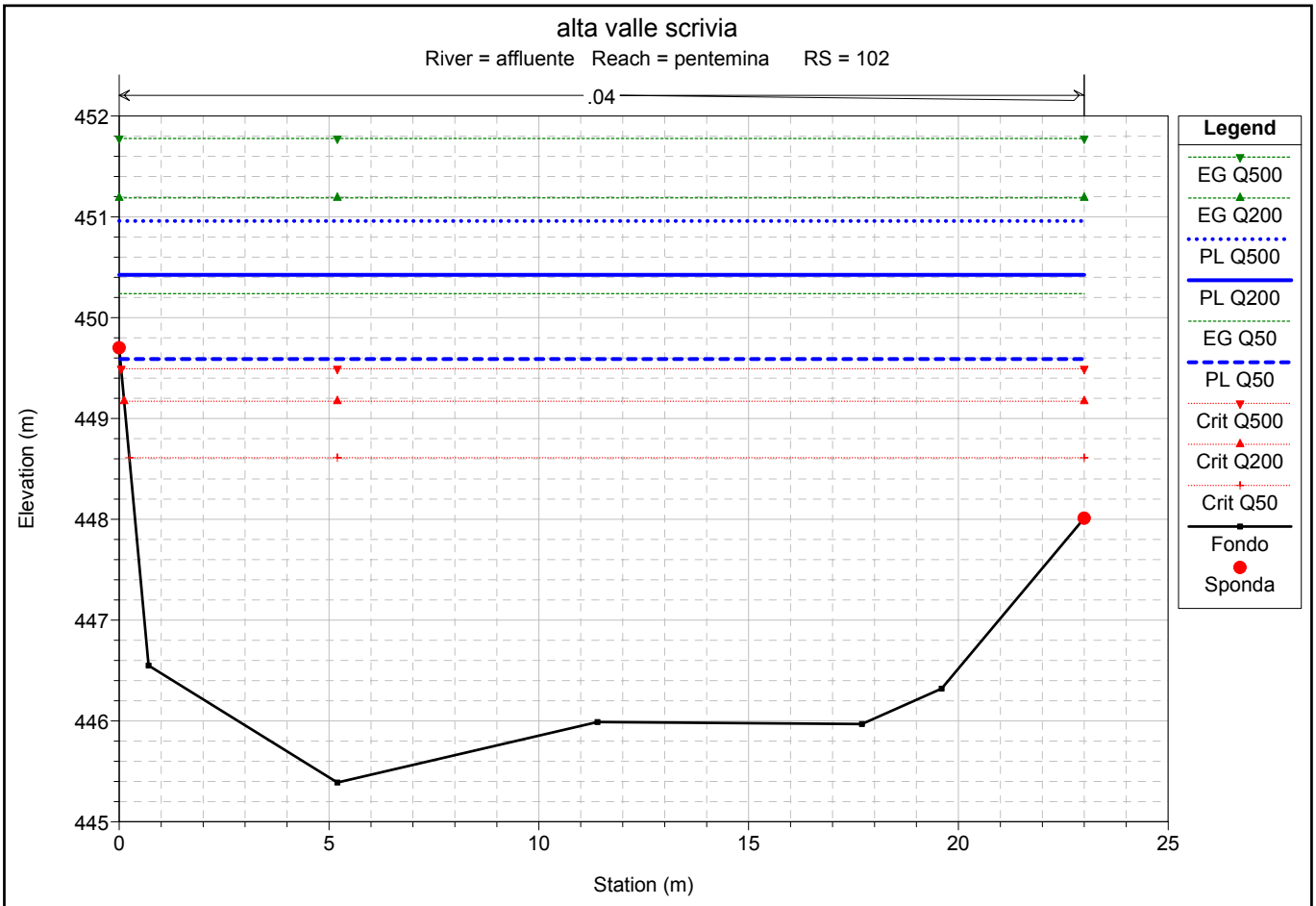
Torrente Pentemina

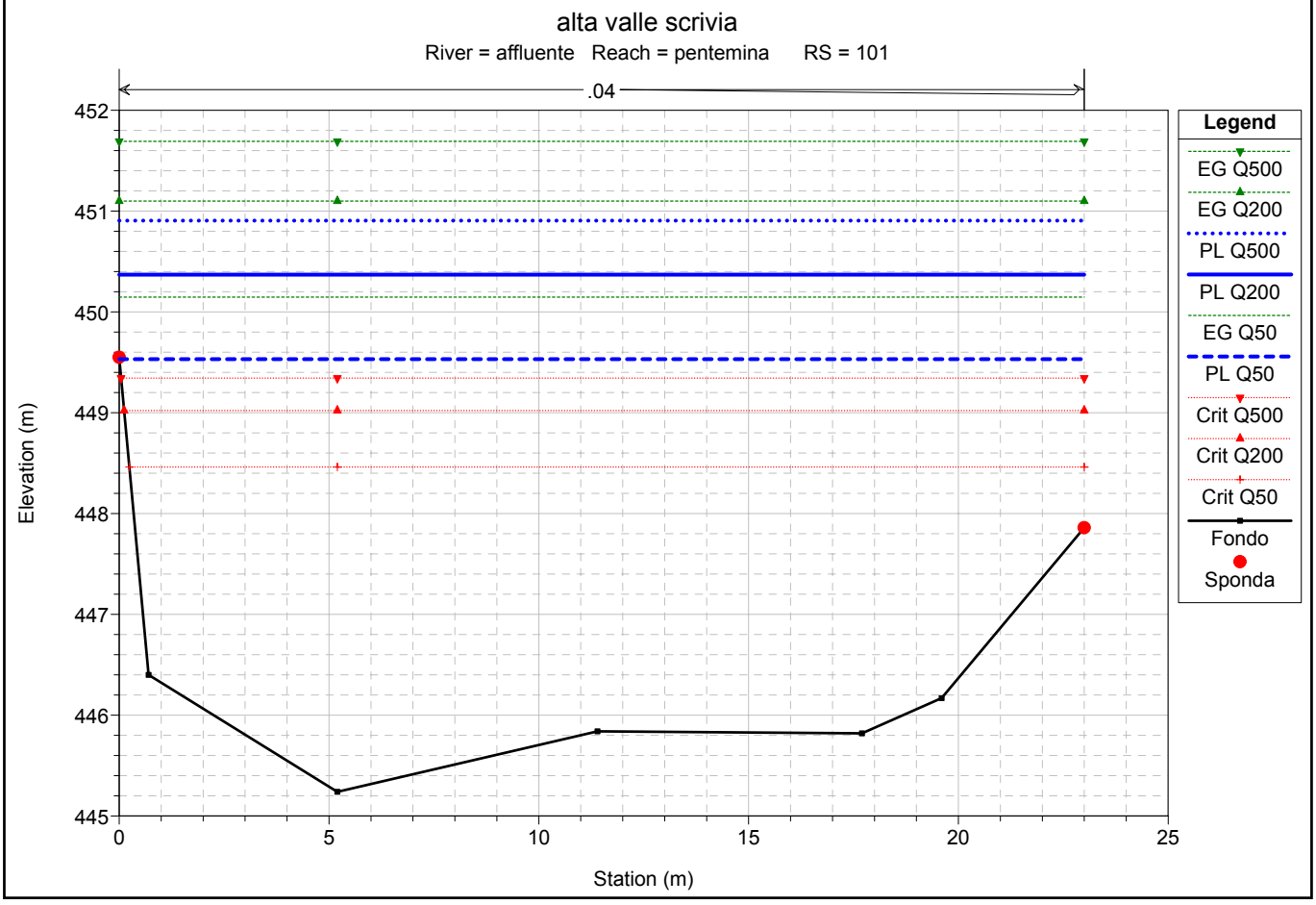
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

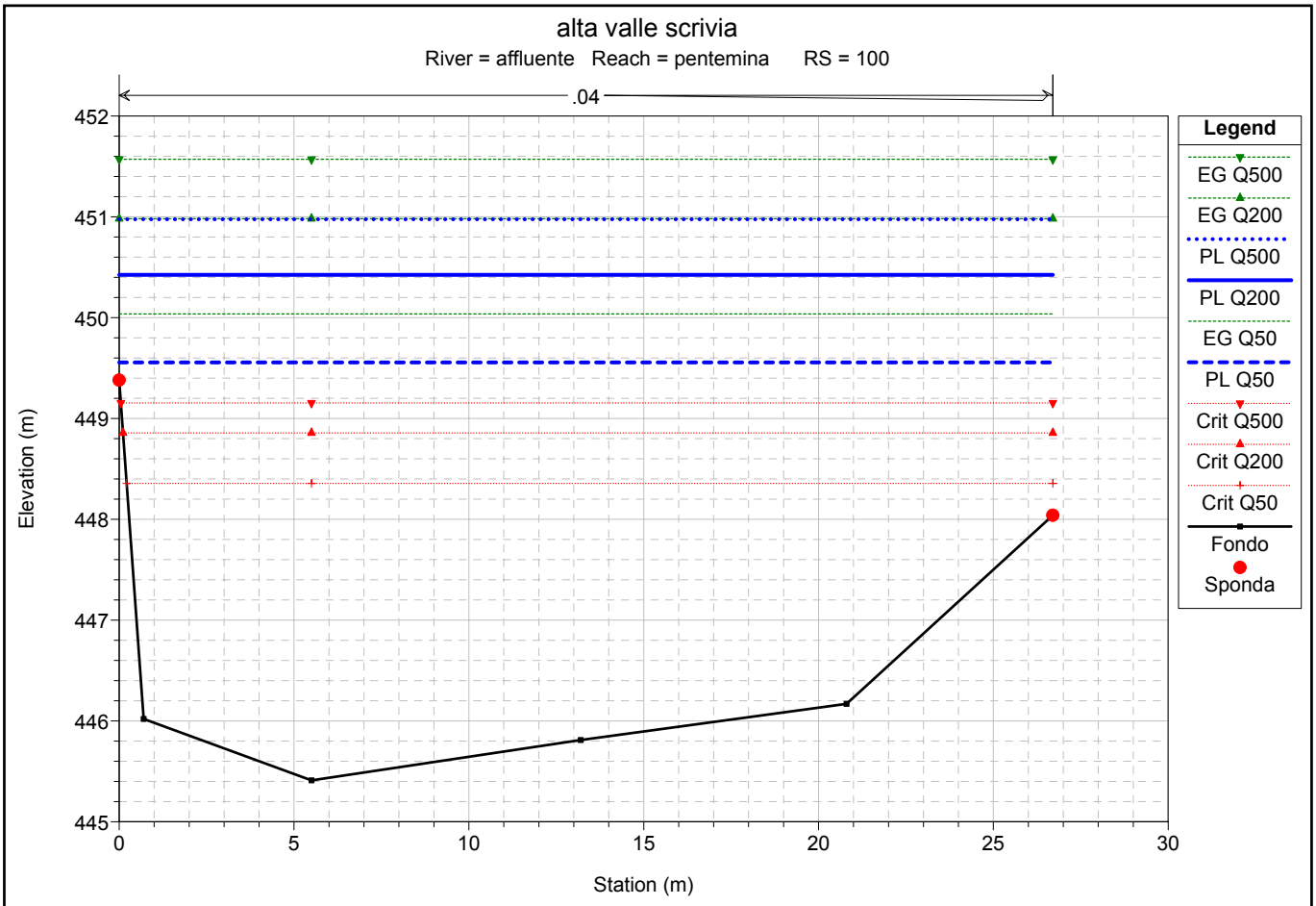

alta valle scrivia
affluente pentemina
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sinistra
Sponda destra
Elevation (m)
450
445
440
0
100
200
300
400
500
600
Main Channel Distance (m)
87
88
89
90
91
92
93
94
94.99
95
96
97
98
98.5
99
99.9
101
102
103
104

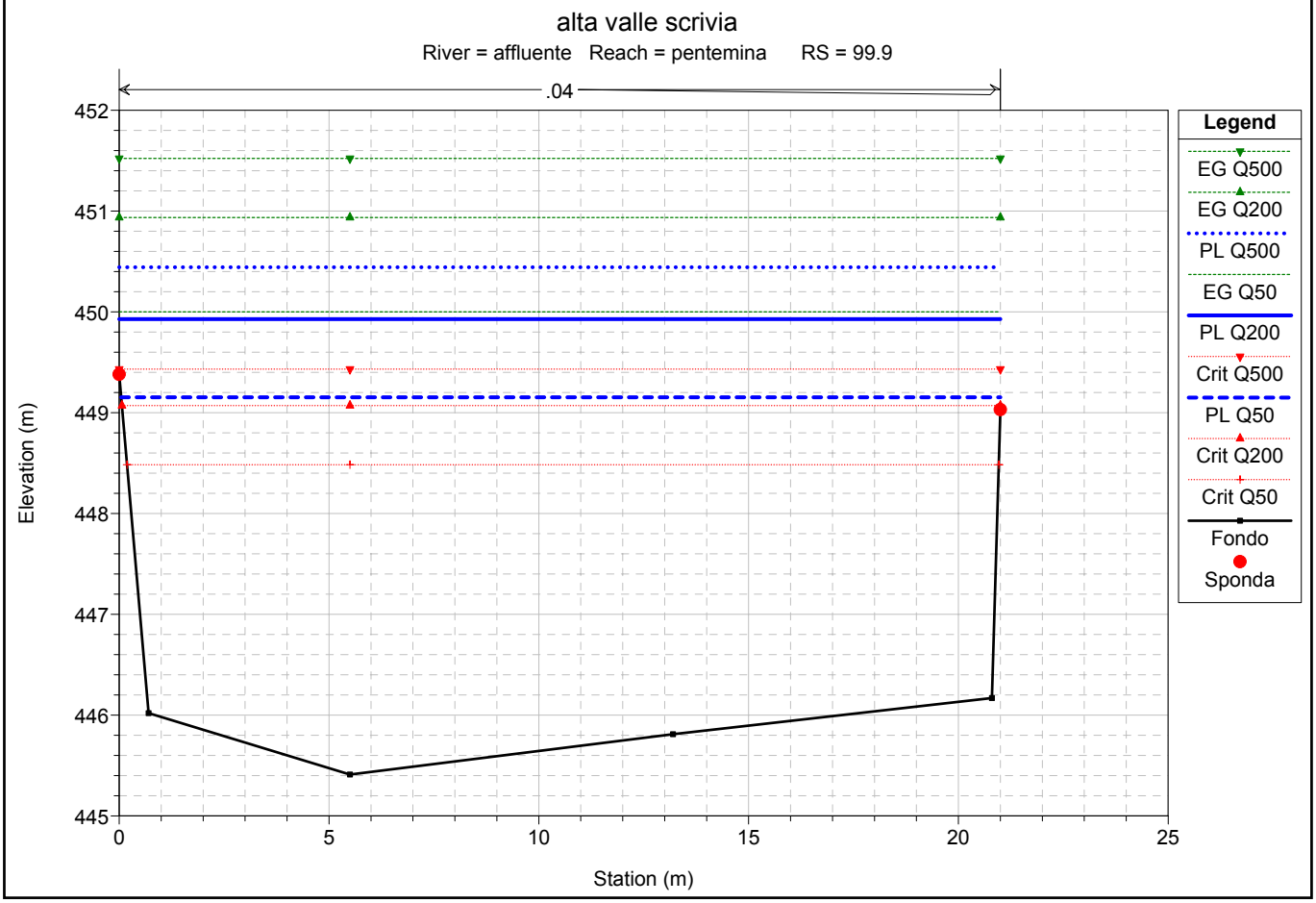

alta valle scrivia
River = affluente Reach = pentemina RS = 104
.04
Elevation (m)
Station (m)
458
456
454
452
450
448
446
0
10
20
30
40
50
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda

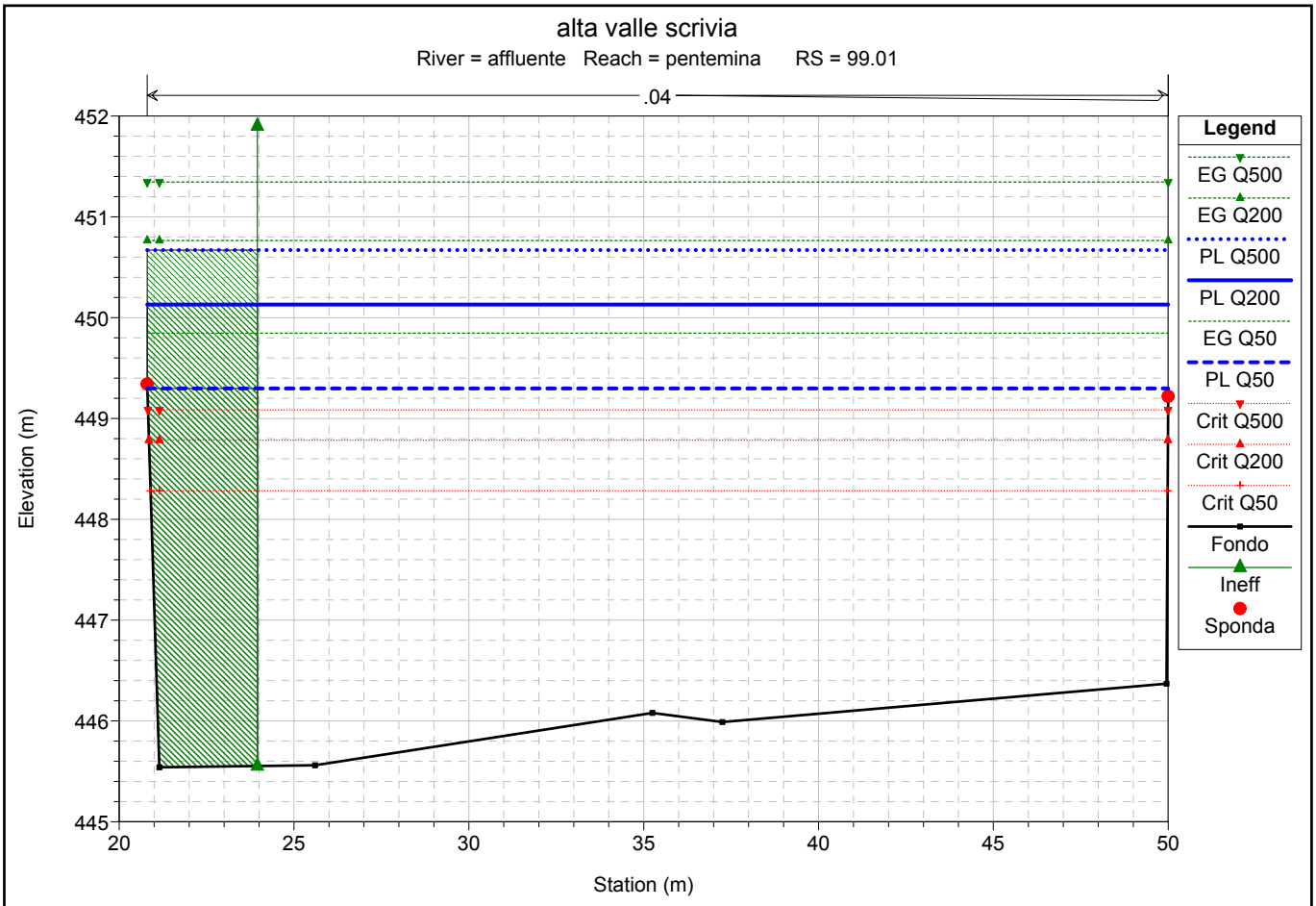

alta valle scrivia
River = affluente Reach = pentemina RS = 103
.04
Elevation (m)
Station (m)
452
451
450
449
448
447
446
445
0
5
10
15
20
25
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

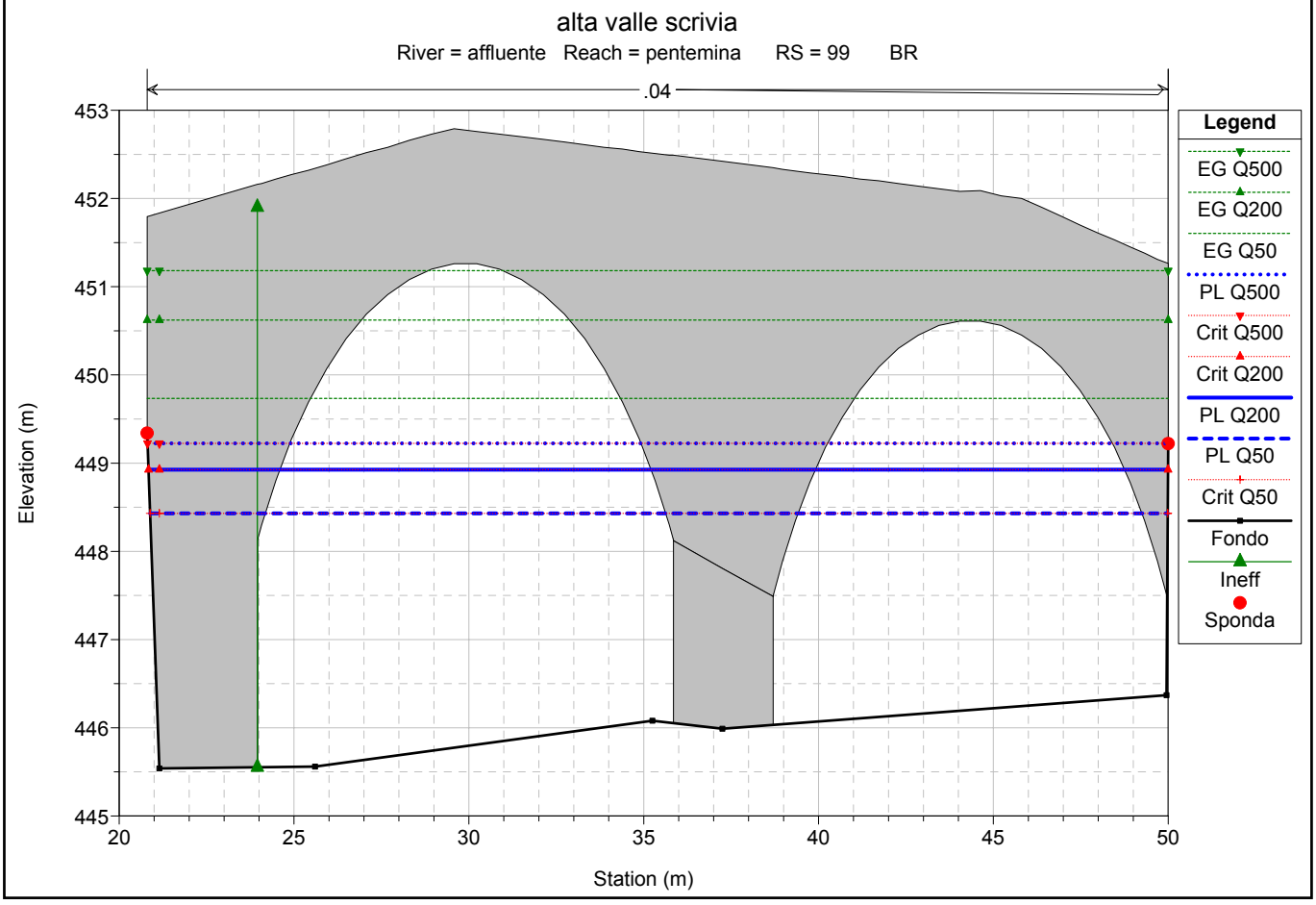

alta valle scrivia
River = affluente Reach = pentemina RS = 102
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

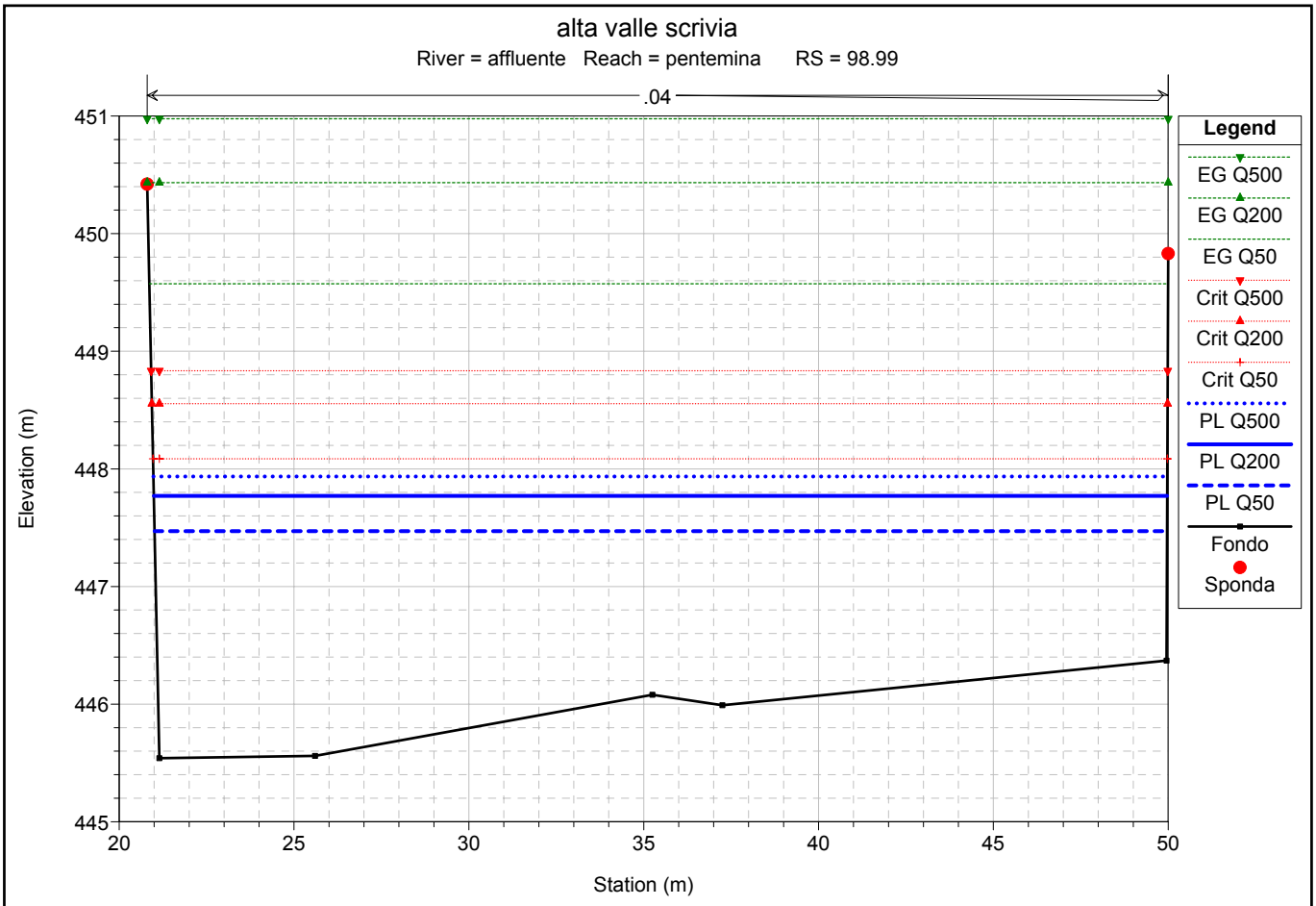

alta valle scrivia
River = affluente Reach = pentemina RS = 101
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

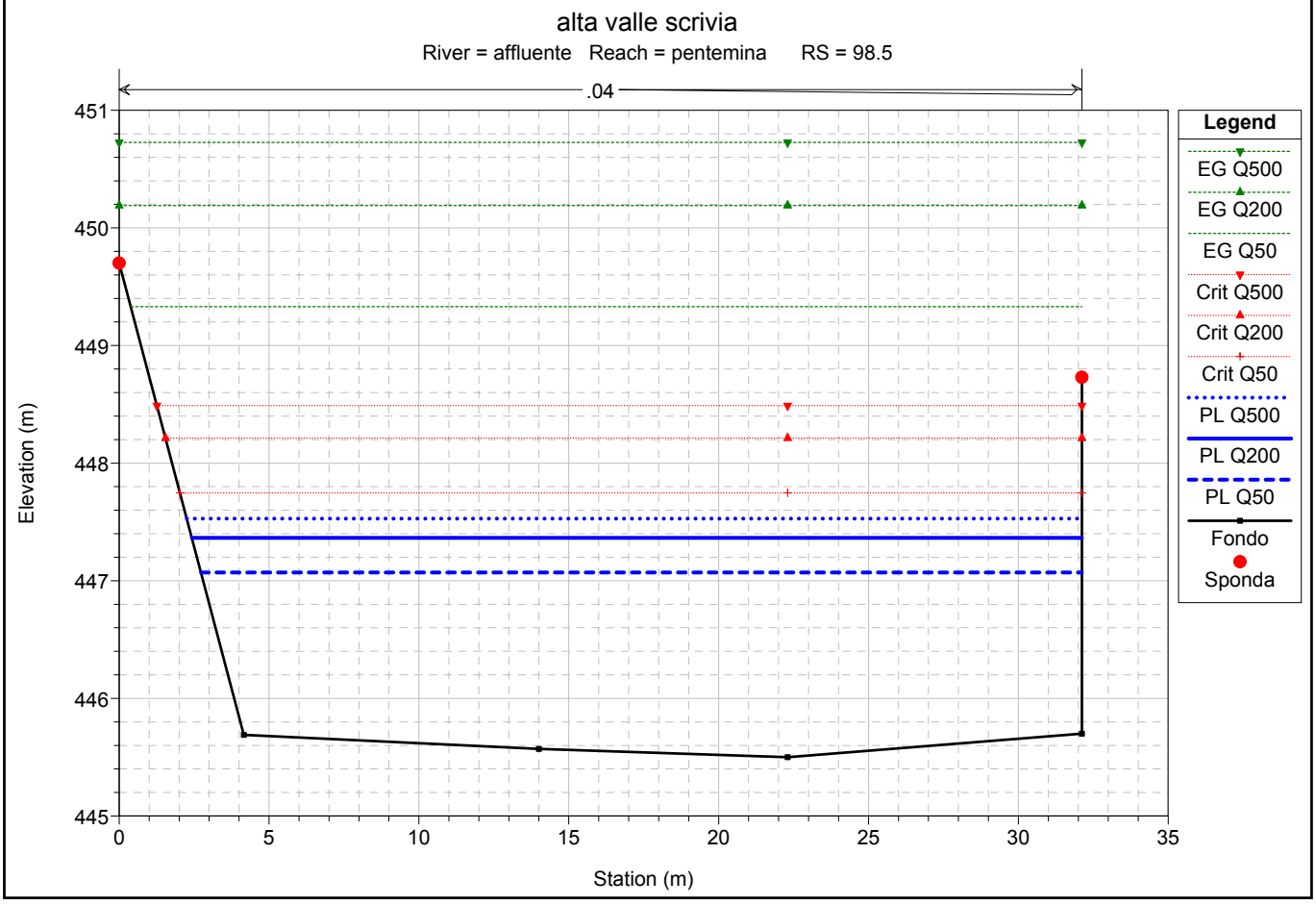

alta valle scrivia
River = affluente Reach = pentemina RS = 100
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

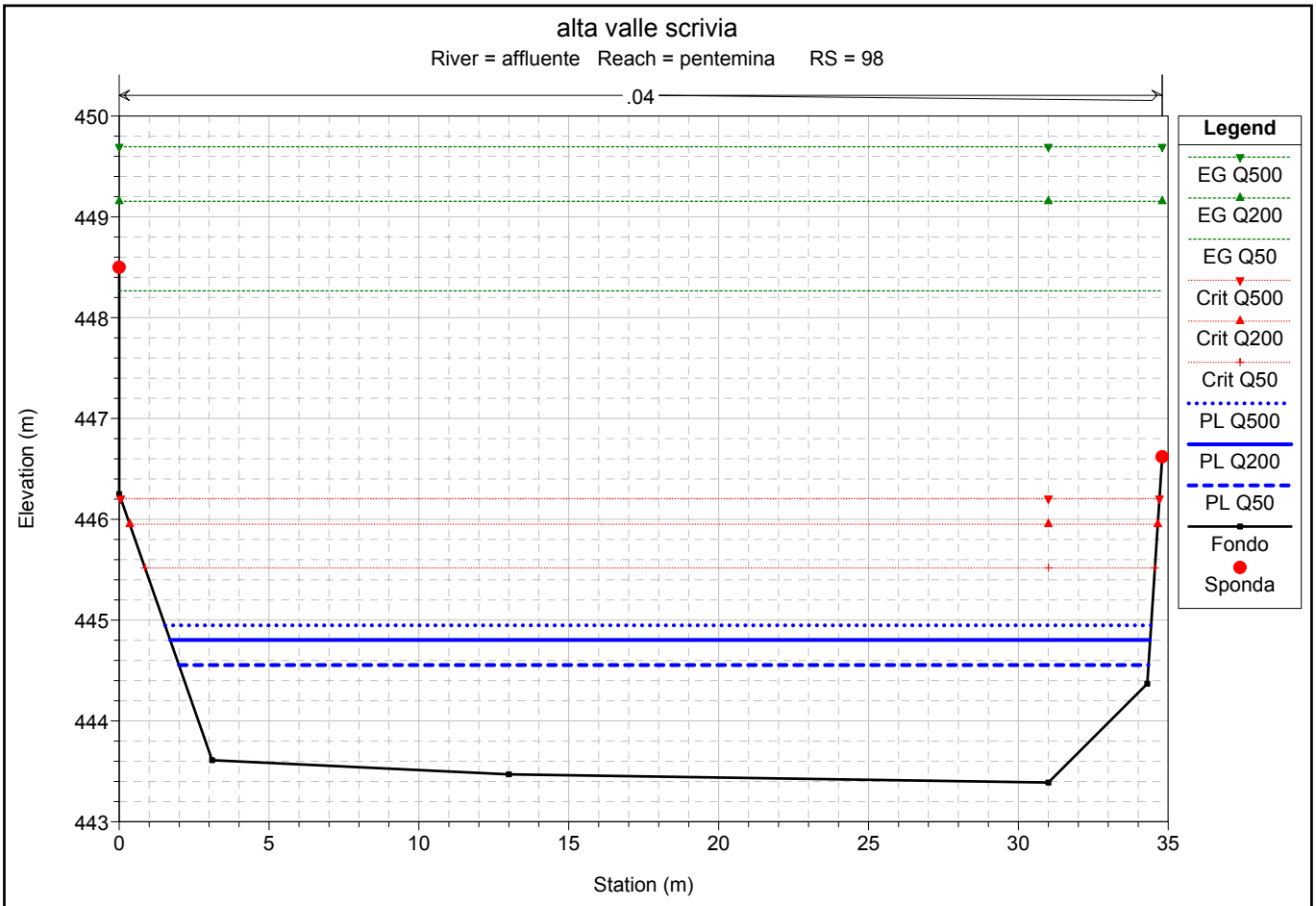

alta valle scrivia
River = affluente Reach = pentemina RS = 99.9
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda

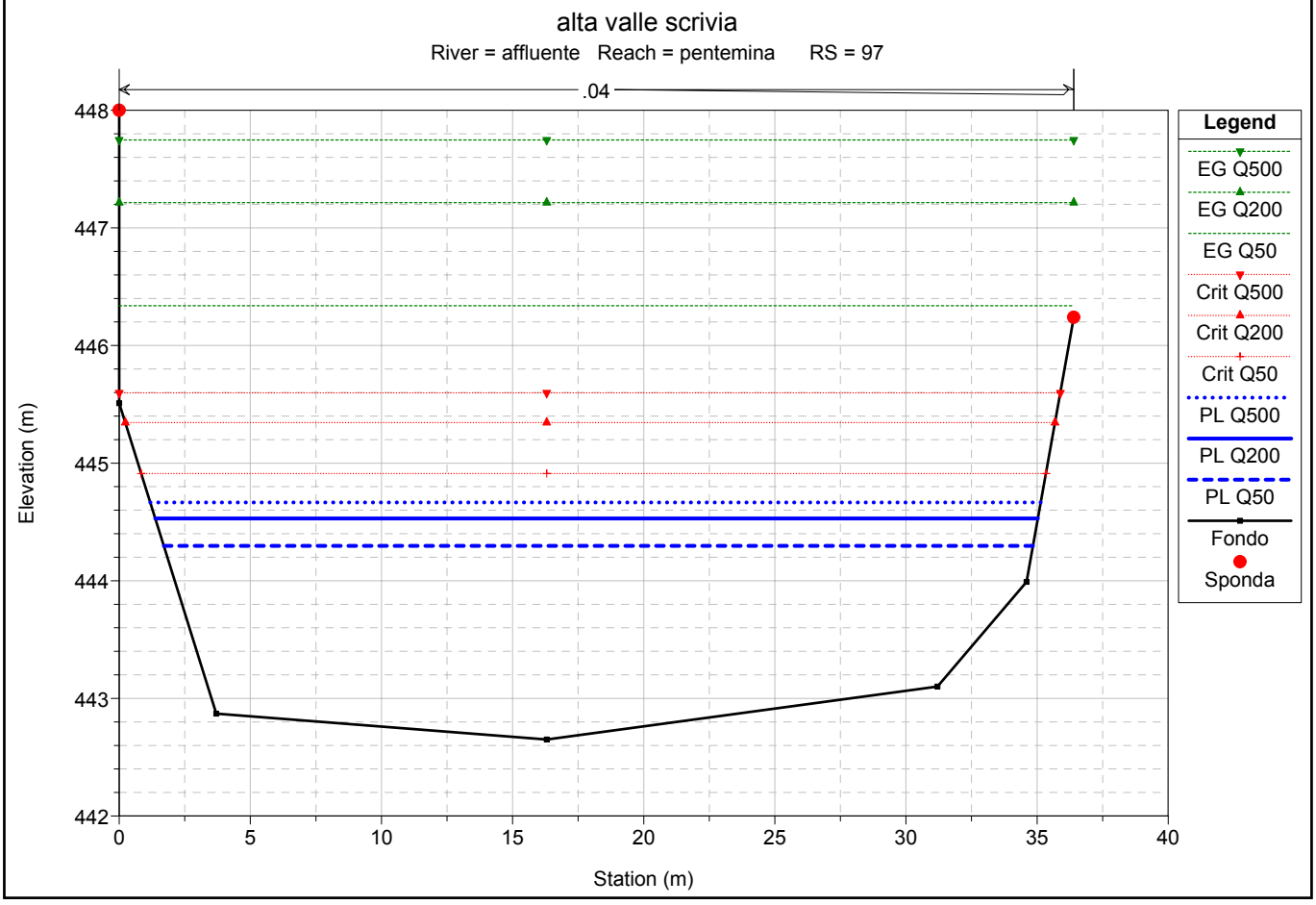

alta valle scrivia
River = affluente Reach = pentemina RS = 99.01
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Ineff
Sponda
Elevation (m)
Station (m)
452
451
450
449
448
447
446
445
20
25
30
35
40
45
50

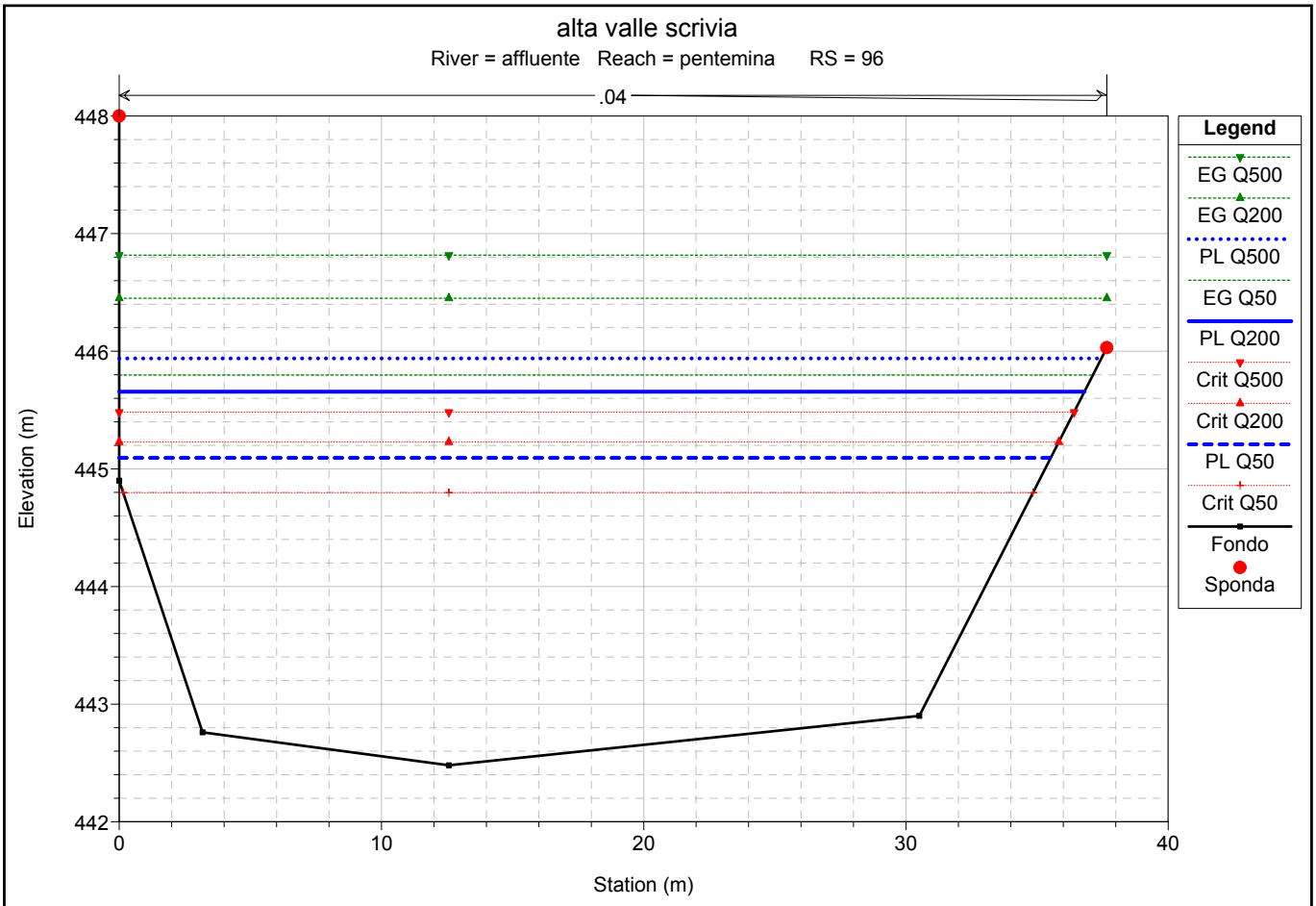

alta valle scrivia
River = affluente Reach = pentemina RS = 99 BR
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Ineff
Sponda
Elevation (m)
Station (m)
453
452
451
450
449
448
447
446
445
20
25
30
35
40
45
50

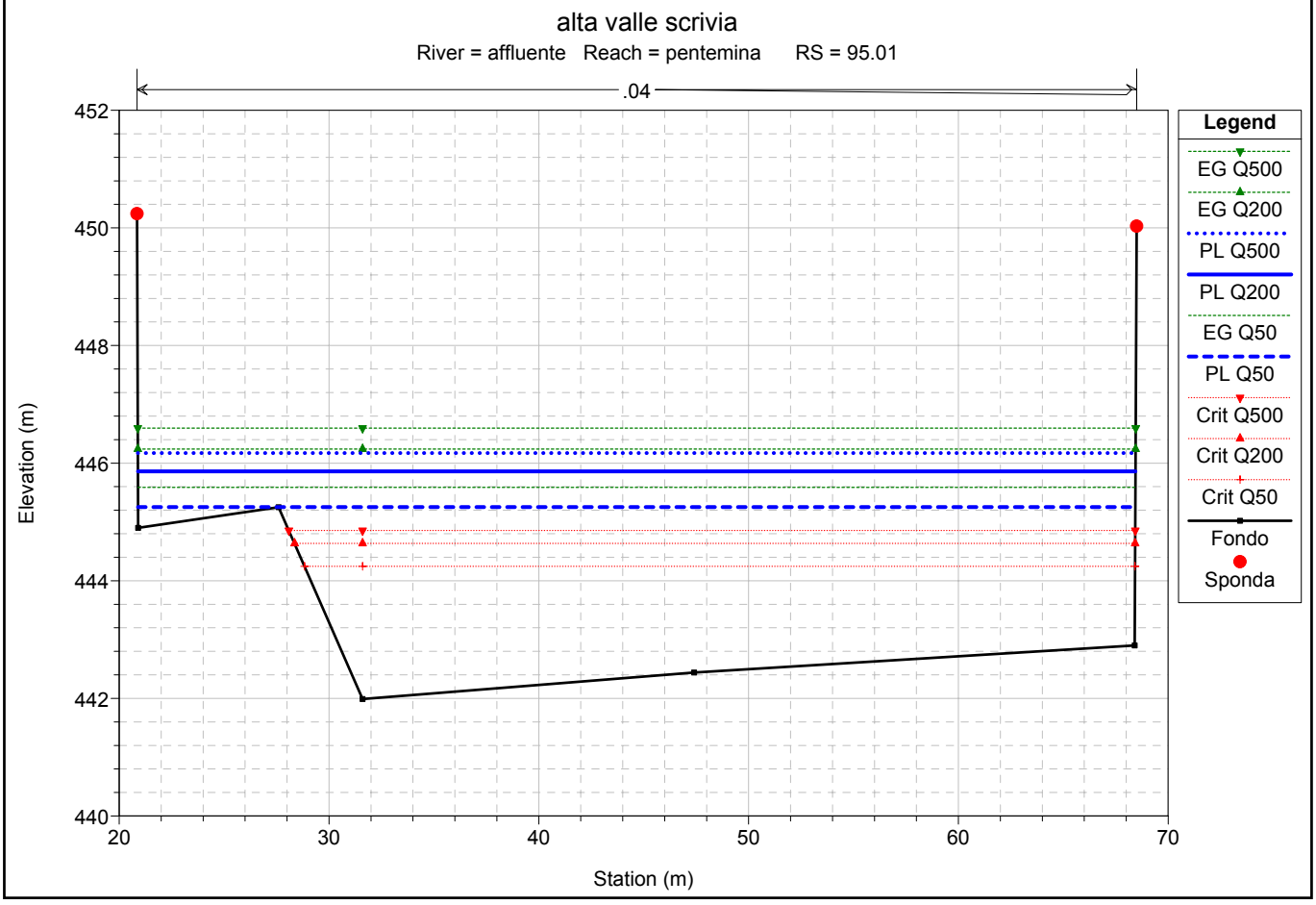

alta valle scrivia
River = affluente Reach = pentemina RS = 98.99
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)
451
450
449
448
447
446
445
20
25
30
35
40
45
50

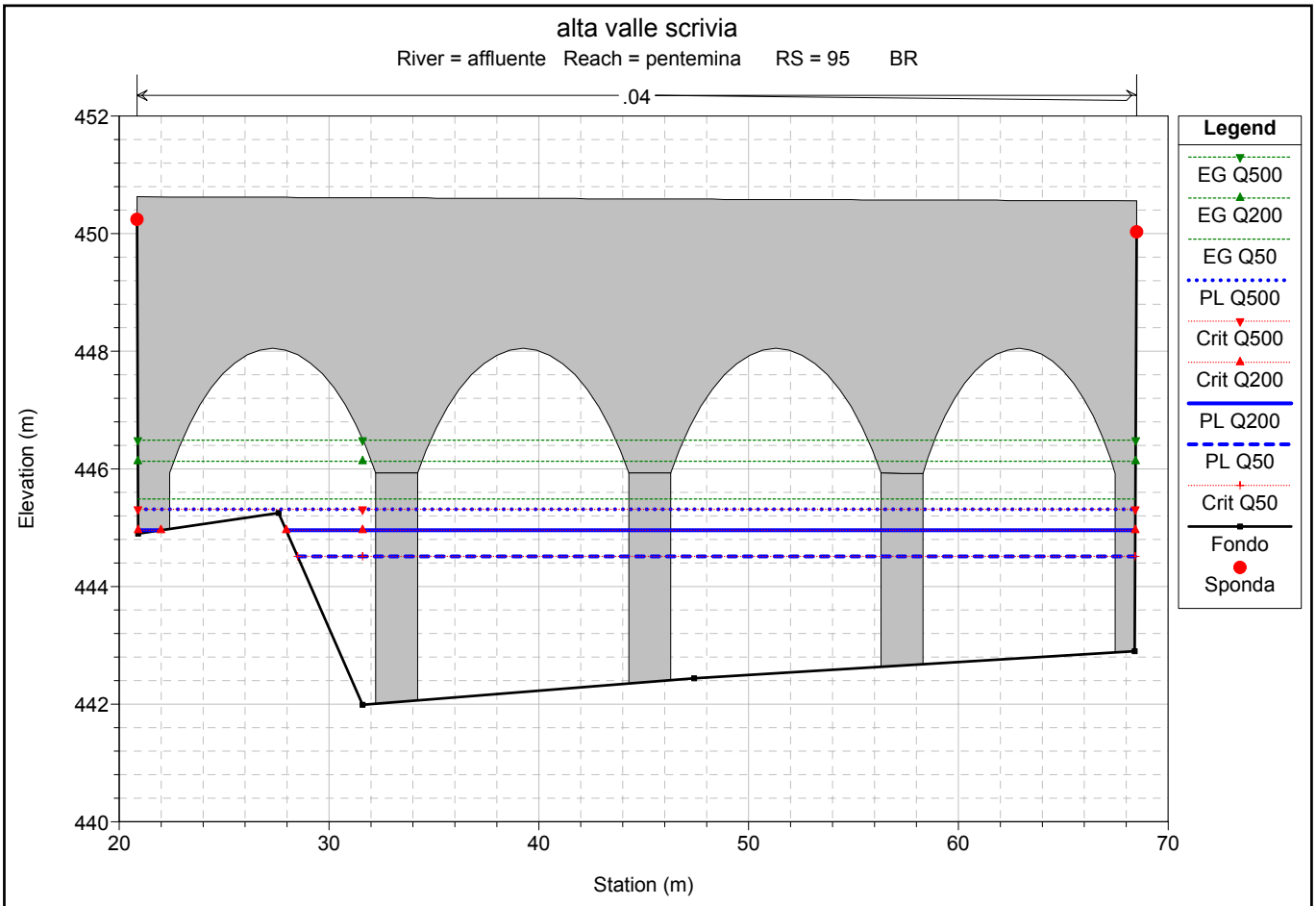

alta valle scrivia
River = affluente Reach = pentemina RS = 98.5
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)
451
450
449
448
447
446
445
0
5
10
15
20
25
30
35

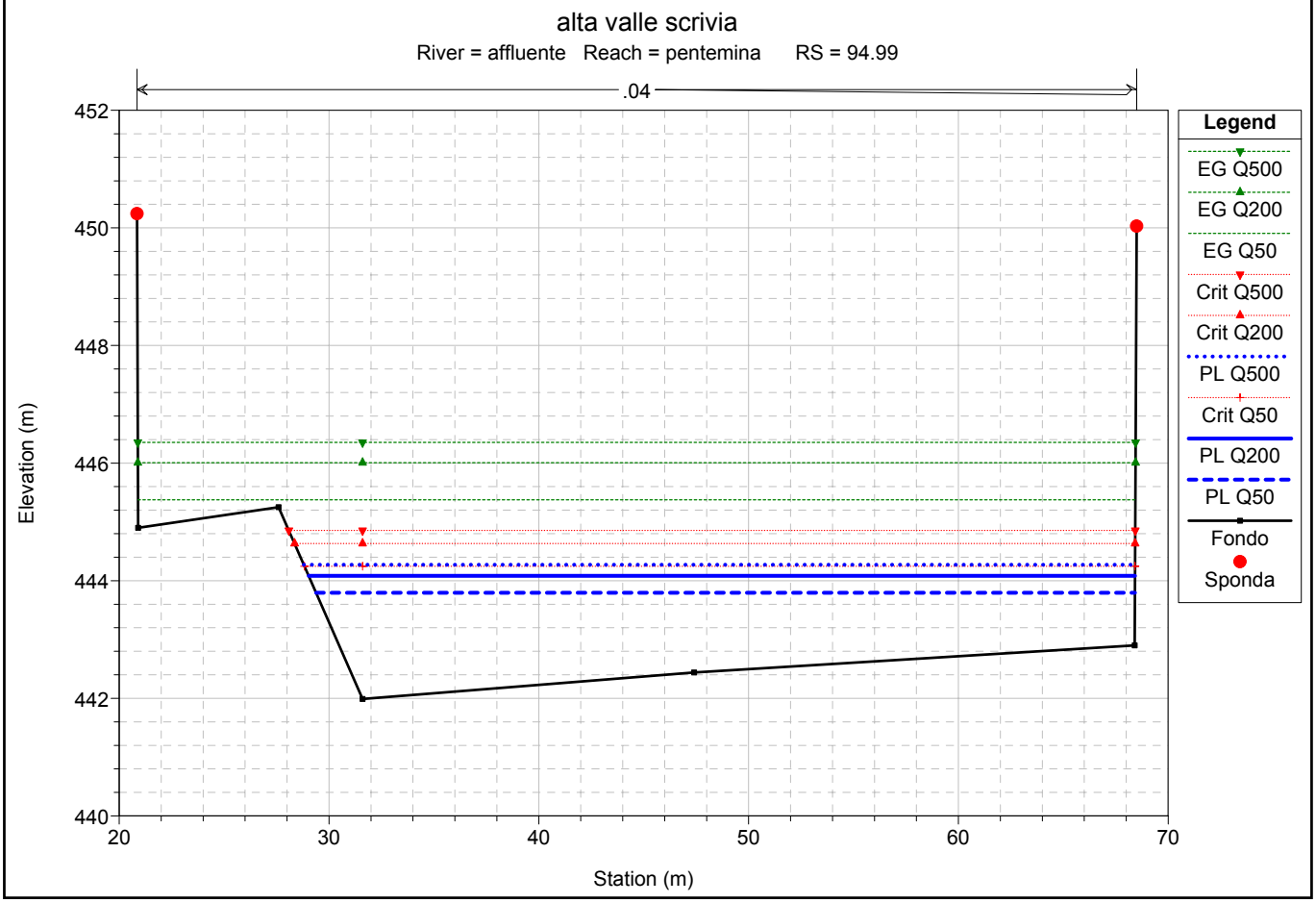

alta valle scrivia
River = affluente Reach = pentemina RS = 98
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)
450
449
448
447
446
445
444
443
0
5
10
15
20
25
30
35

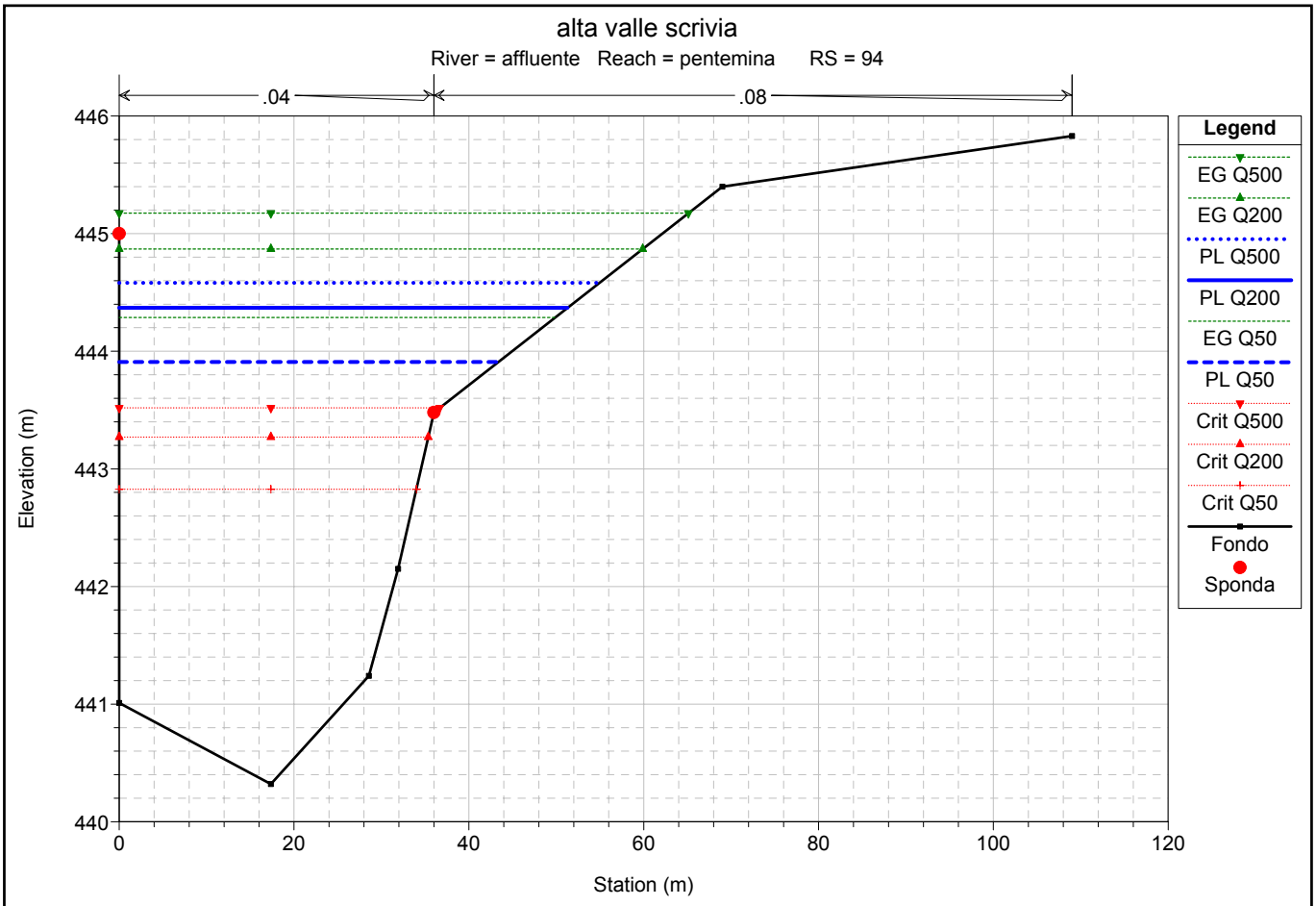

alta valle scrivia
River = affluente Reach = pentemina RS = 97
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)
448
447
446
445
444
443
442
0
5
10
15
20
25
30
35
40

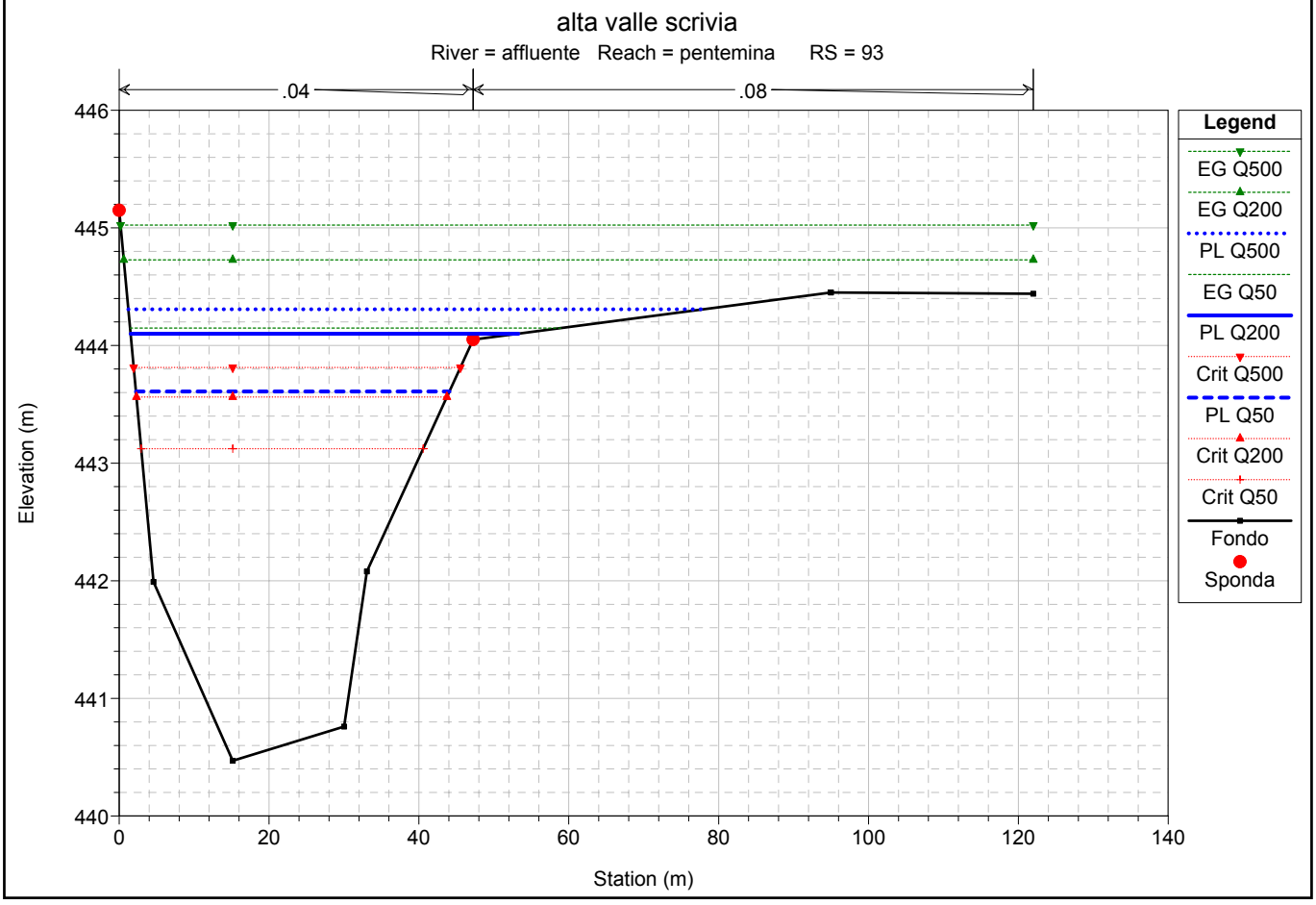

alta valle scrivia
River = affluente Reach = pentemina RS = 96
.04
Elevation (m)
448
447
446
445
444
443
442
0
10
20
30
40
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda

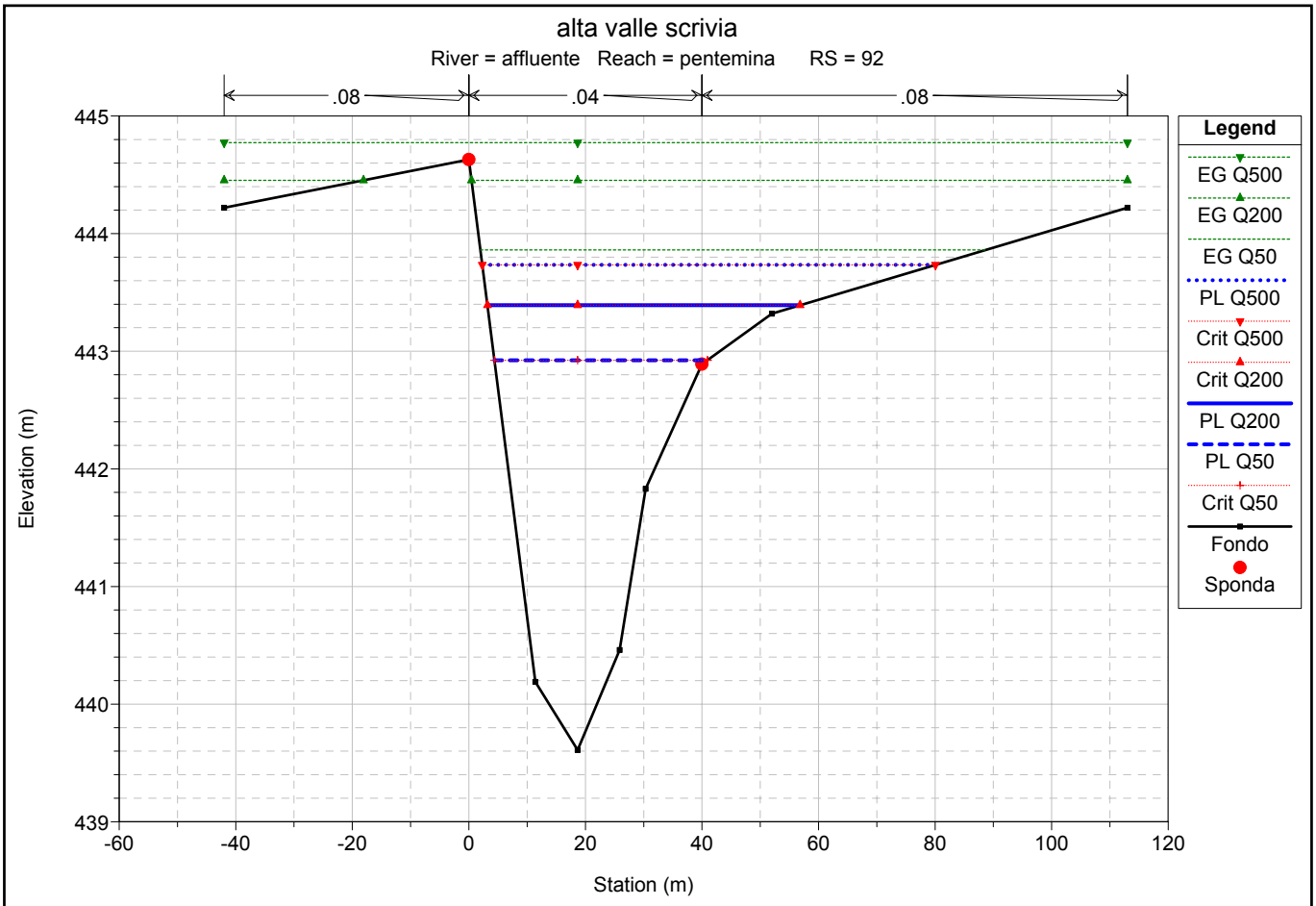

alta valle scrivia
River = affluente Reach = pentemina RS = 95.01
.04
Elevation (m)
452
450
448
446
444
442
440
20
30
40
50
60
70
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

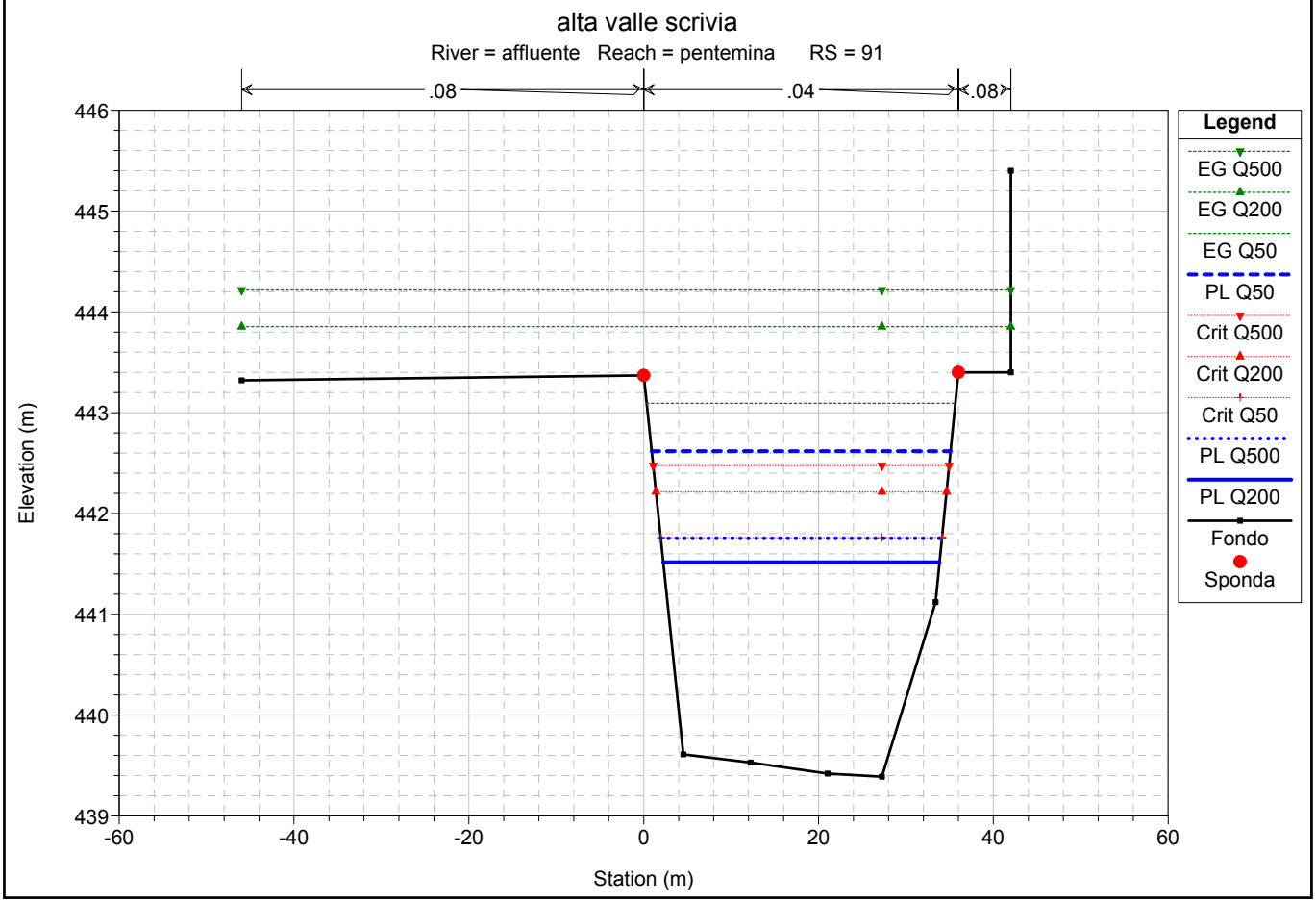

alta valle scrivia
River = affluente Reach = pentemina RS = 95 BR
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)
452
450
448
446
444
442
440
20
30
40
50
60
70

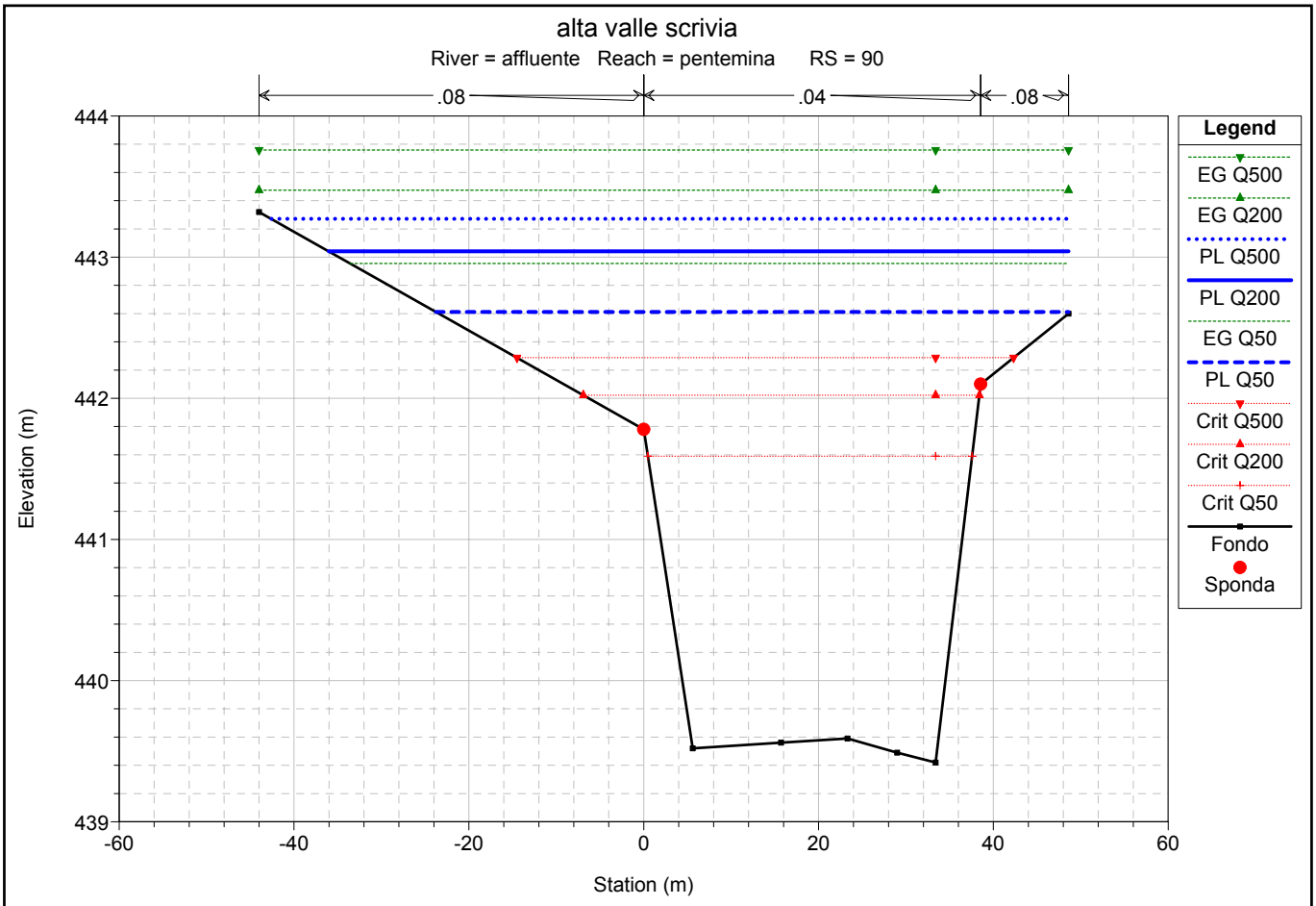

alta valle scrivia
River = affluente Reach = pentemina RS = 94.99
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)
452
450
448
446
444
442
440
20
30
40
50
60
70

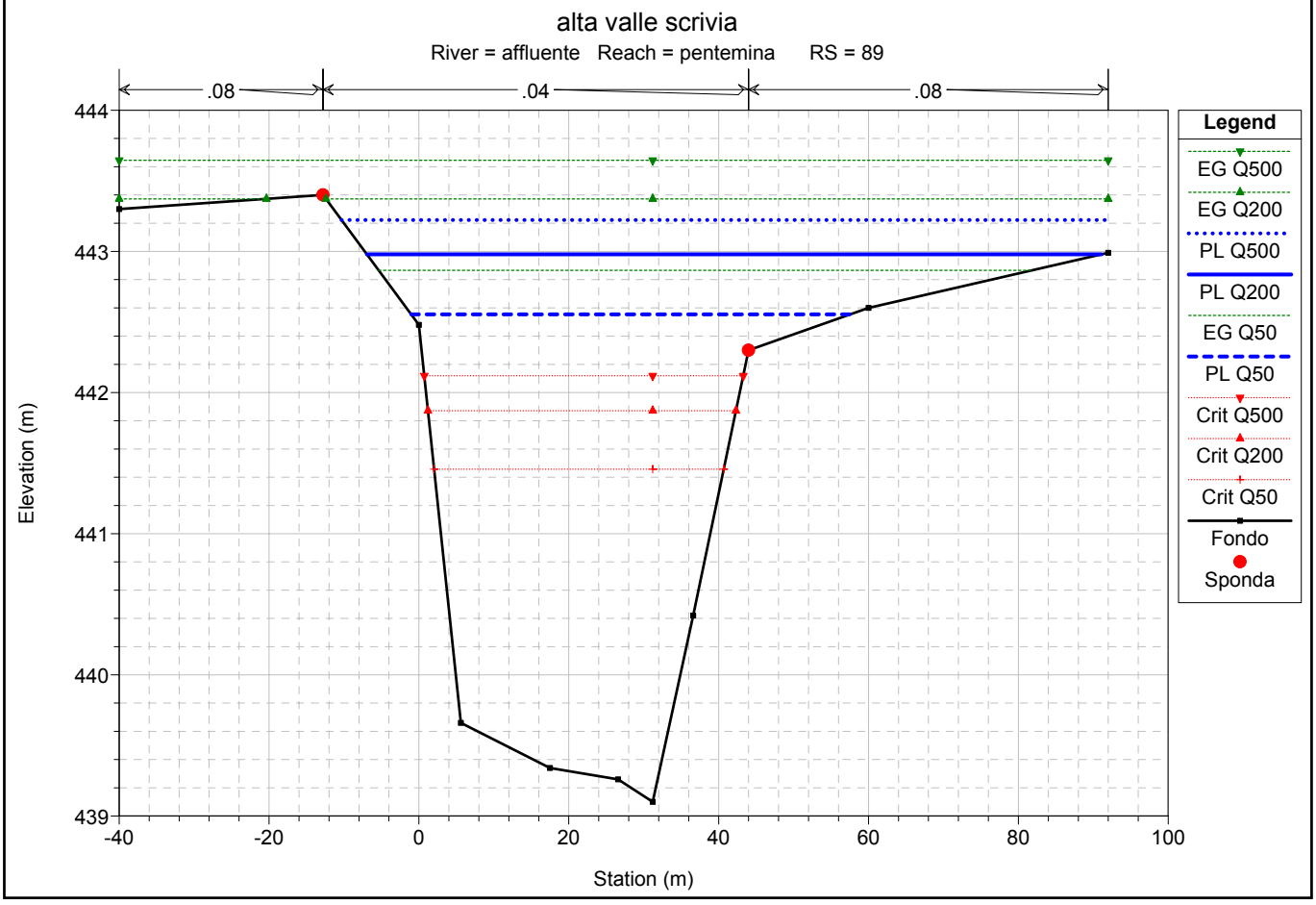

alta valle scrivia
River = affluente Reach = pentemina RS = 94
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

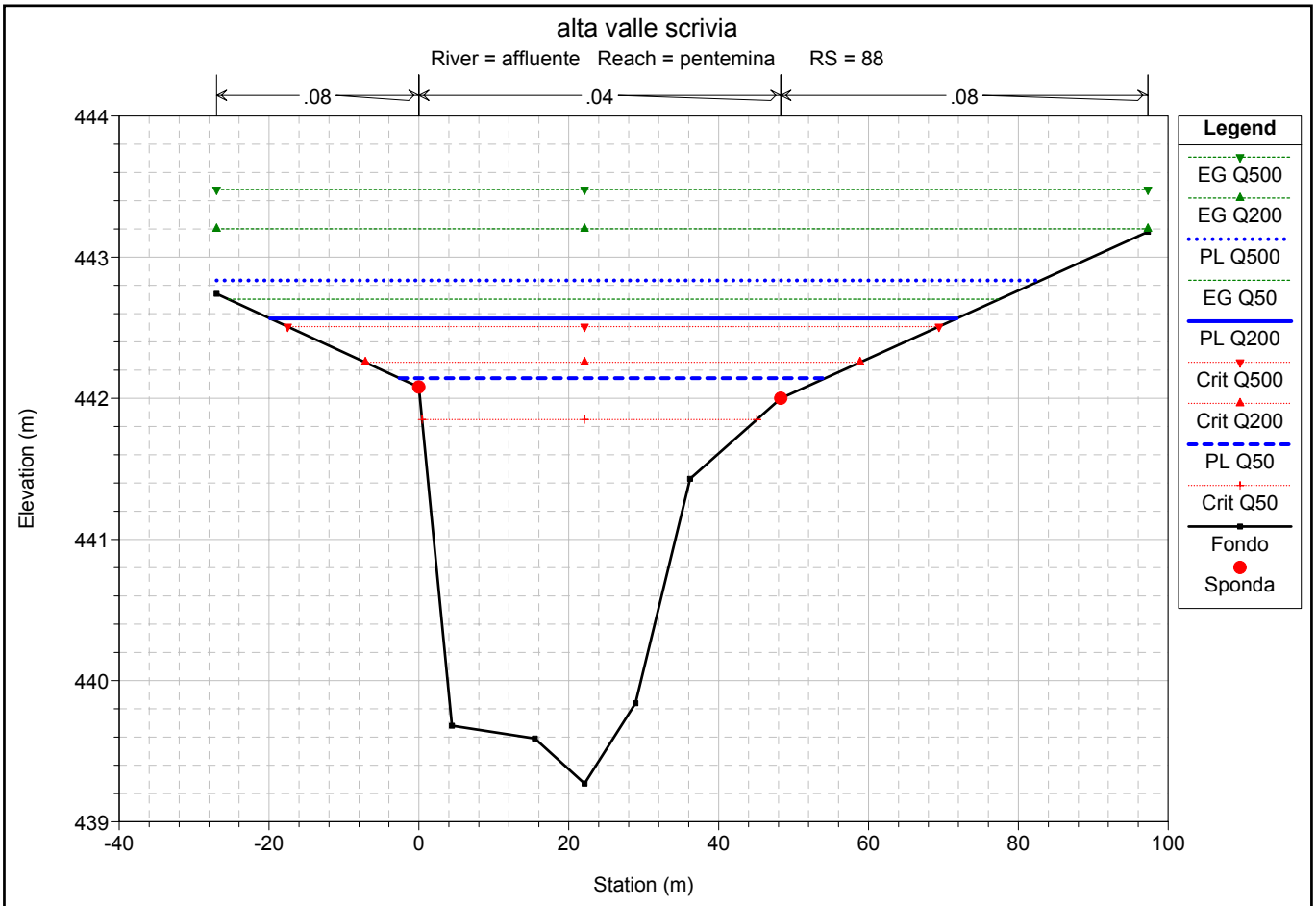

alta valle scrivia
River = affluente Reach = pentemina RS = 93
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda

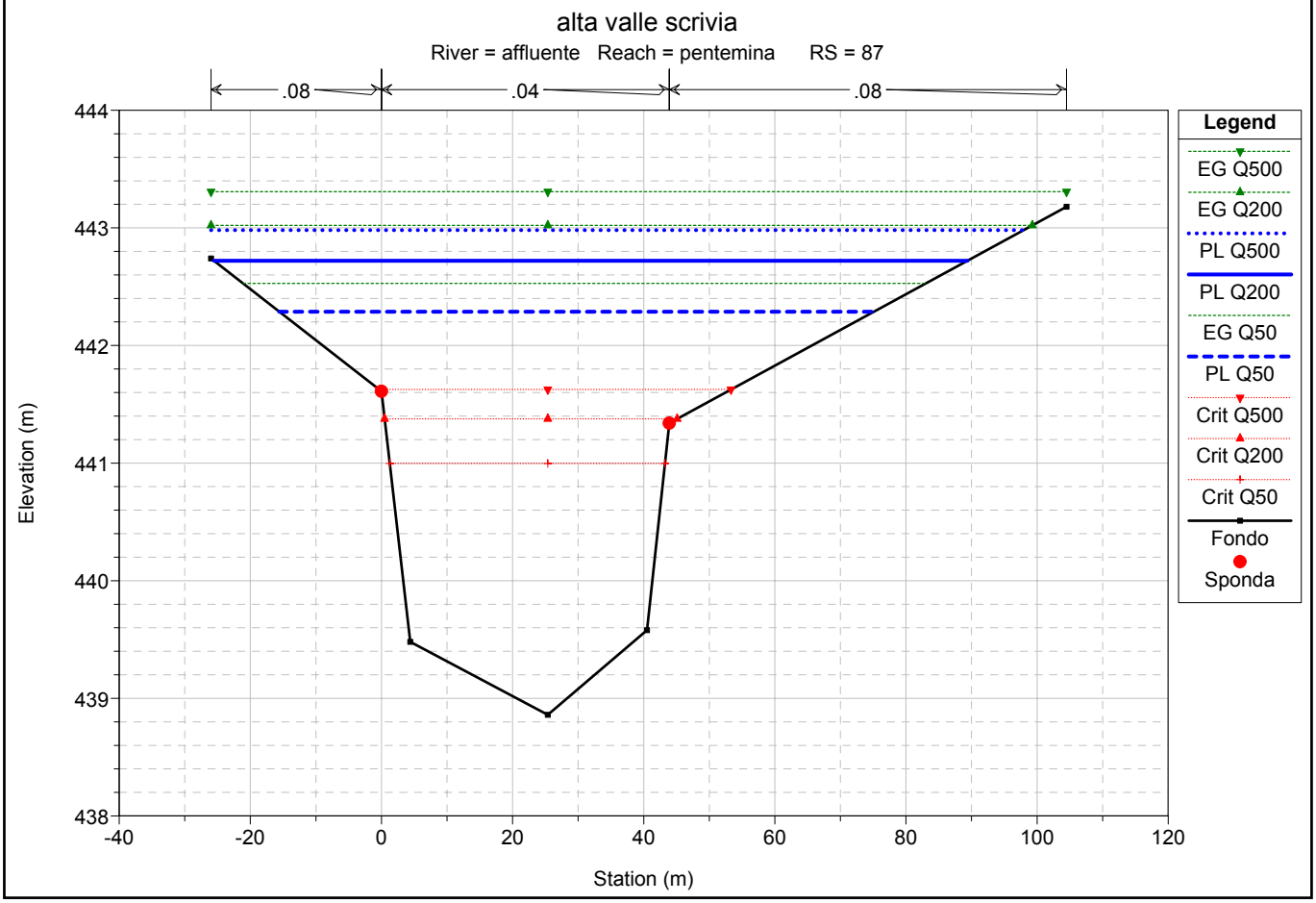

alta valle scrivia
River = affluente Reach = pentemina RS = 92
.08
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda

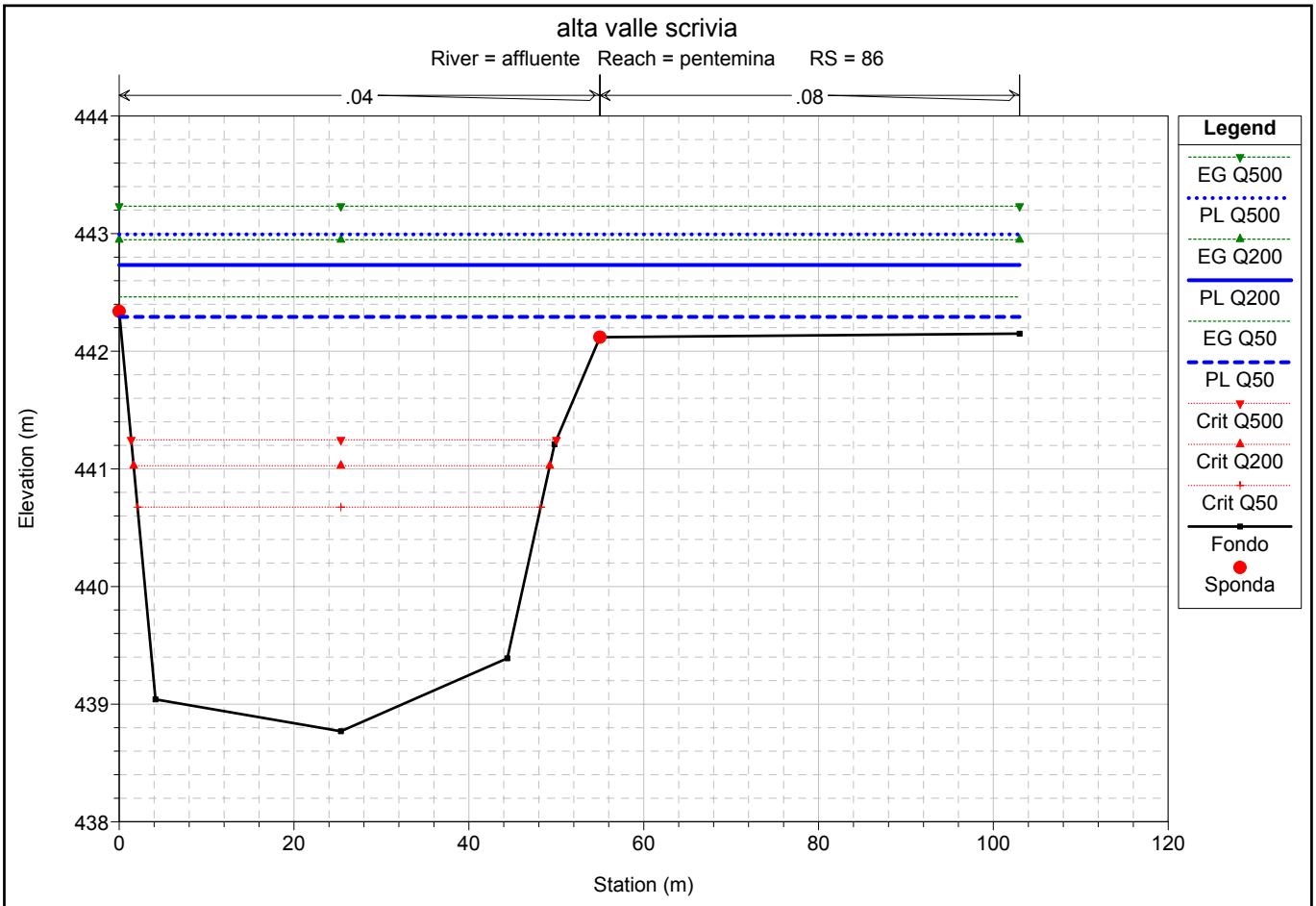

alta valle scrivia
River = affluente Reach = pentemina RS = 91
.08
.04
.08
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
Fondo
Sponda


alta valle scrivia
River = affluente Reach = pentemina RS = 90
.08
.04
.08
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
Elevation (m)
444
443
442
441
440
439
-60
-40
-20
0
20
40
60
Station (m)


alta valle scrivia
River = affluente Reach = pentemina RS = 89
.08
.04
.08
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
Elevation (m)
444
443
442
441
440
439
-40
-20
0
20
40
60
80
100
Station (m)


alta valle scrivia
River = affluente Reach = pentemina RS = 88
.08
.04
.08
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Elevation (m)
444
443
442
441
440
439
-40
-20
0
20
40
60
80
100
Station (m)


alta valle scrivia
River = affluente Reach = pentemina RS = 87
.08
.04
.08
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
Elevation (m)
444
443
442
441
440
439
438
-40
-20
0
20
40
60
80
100
120
Station (m)


alta valle scrivia
River = affluente Reach = pentemina RS = 86
.04
.08
Elevation (m)
444
443
442
441
440
439
438
0
20
40
60
80
100
120
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

HEC-RAS Plan: 06_RevF River: affluente Reach: pentemina

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
pentemina	104	Q50	282.00	446.98	450.45	456.74	6.29	450.91	0.46	449.95	451.25	0.007335	3.95	71.47	26.48	0.77
pentemina	104	Q200	380.00	446.98	451.34	456.74	5.40	450.91	-0.43	450.57	452.08	0.006255	3.80	100.07	34.80	0.71
pentemina	104	Q500	443.00	446.98	451.89	456.74	4.85	450.91	-0.98	450.98	452.59	0.005038	3.71	119.27	35.93	0.65
pentemina	103	Q50	282.00	445.58	449.76	449.89	0.13	448.20	-1.56	448.80	450.42	0.005089	3.59	78.62	22.97	0.62
pentemina	103	Q200	380.00	445.58	450.59	449.89	-0.70	448.20	-2.39	449.36	451.36	0.004862	3.89	97.57	23.00	0.60
pentemina	103	Q500	443.00	445.58	451.11	449.89	-1.22	448.20	-2.91	449.68	451.94	0.004692	4.04	109.66	23.00	0.59
pentemina	102	Q50	282.00	445.39	449.59	449.70	0.11	448.01	-1.58	448.61	450.24	0.005010	3.57	79.03	22.98	0.61
pentemina	102	Q200	380.00	445.39	450.42	449.70	-0.72	448.01	-2.41	449.17	451.19	0.004766	3.87	98.23	23.00	0.60
pentemina	102	Q500	443.00	445.39	450.96	449.70	-1.26	448.01	-2.95	449.49	451.78	0.004589	4.01	110.50	23.00	0.58
pentemina	101	Q50	282.00	445.24	449.53	449.55	0.02	447.86	-1.67	448.46	450.15	0.004632	3.48	81.13	23.00	0.59
pentemina	101	Q200	380.00	445.24	450.37	449.55	-0.82	447.86	-2.51	449.02	451.10	0.004470	3.78	100.40	23.00	0.58
pentemina	101	Q500	443.00	445.24	450.90	449.55	-1.35	447.86	-3.04	449.34	451.69	0.004331	3.93	112.72	23.00	0.57
pentemina	100	Q50	282.00	445.41	449.56	449.38	-0.18	448.04	-1.51	448.36	450.04	0.003641	3.08	91.66	26.70	0.53
pentemina	100	Q200	380.00	445.41	450.42	449.38	-1.04	448.04	-2.38	448.86	450.98	0.003348	3.31	114.86	26.70	0.51
pentemina	100	Q500	443.00	445.41	450.98	449.38	-1.60	448.04	-2.94	449.15	451.57	0.003178	3.42	129.60	26.70	0.50
pentemina	99.9	Q50	282.00	445.41	449.15	449.38	0.23	449.03	-0.12	448.48	450.00	0.007348	4.08	69.16	20.95	0.72
pentemina	99.9	Q200	380.00	445.41	449.93	449.38	-0.55	449.03	-0.90	449.07	450.94	0.007122	4.45	85.42	21.00	0.70
pentemina	99.9	Q500	443.00	445.41	450.44	449.38	-1.06	449.03	-1.41	449.43	451.52	0.006829	4.60	96.23	21.00	0.69
pentemina	99.01	Q50	282.00	445.54	449.30	449.34	0.04	449.22	-0.08	448.28	449.85	0.004040	3.28	85.93	29.20	0.58
pentemina	99.01	Q200	380.00	445.54	450.13	449.34	-0.79	449.22	-0.91	448.78	450.76	0.003600	3.53	107.60	29.20	0.55
pentemina	99.01	Q500	443.00	445.54	450.67	449.34	-1.33	449.22	-1.45	449.08	451.35	0.003326	3.64	121.68	29.20	0.54
pentemina	99		Bridge													
pentemina	98.99	Q50	282.00	445.54	447.47	450.42	2.95	449.83	2.36	448.09	449.57	0.043088	6.43	43.89	28.95	1.67
pentemina	98.99	Q200	380.00	445.54	447.77	450.42	2.65	449.83	2.06	448.55	450.43	0.044012	7.23	52.55	28.98	1.71
pentemina	98.99	Q500	443.00	445.54	447.94	450.42	2.49	449.83	1.89	448.83	450.98	0.045343	7.73	57.33	28.99	1.75
pentemina	98.5	Q50	282.00	445.50	447.07	449.70	2.63	448.73	1.66	447.75	449.33	0.047496	6.66	42.34	29.39	1.77
pentemina	98.5	Q200	380.00	445.50	447.36	449.70	2.34	448.73	1.37	448.21	450.19	0.047705	7.45	51.03	29.70	1.81
pentemina	98.5	Q500	443.00	445.50	447.53	449.70	2.17	448.73	1.20	448.49	450.73	0.048600	7.92	55.91	29.87	1.85
pentemina	98	Q50	282.00	443.39	444.55	448.50	3.95	446.62	2.07	445.52	448.27	0.116340	8.54	33.04	32.35	2.70
pentemina	98	Q200	380.00	443.39	444.80	448.50	3.70	446.62	1.82	445.95	449.15	0.104501	9.24	41.12	32.70	2.63
pentemina	98	Q500	443.00	443.39	444.95	448.50	3.55	446.62	1.67	446.21	449.70	0.099925	9.65	45.90	32.90	2.61
pentemina	97	Q50	282.00	442.65	444.30	448.00	3.70	446.24	1.94	444.91	446.34	0.044492	6.33	44.55	33.14	1.74

HEC-RAS Plan: 06_RevF River: affluente Reach: pentemina (Continued)

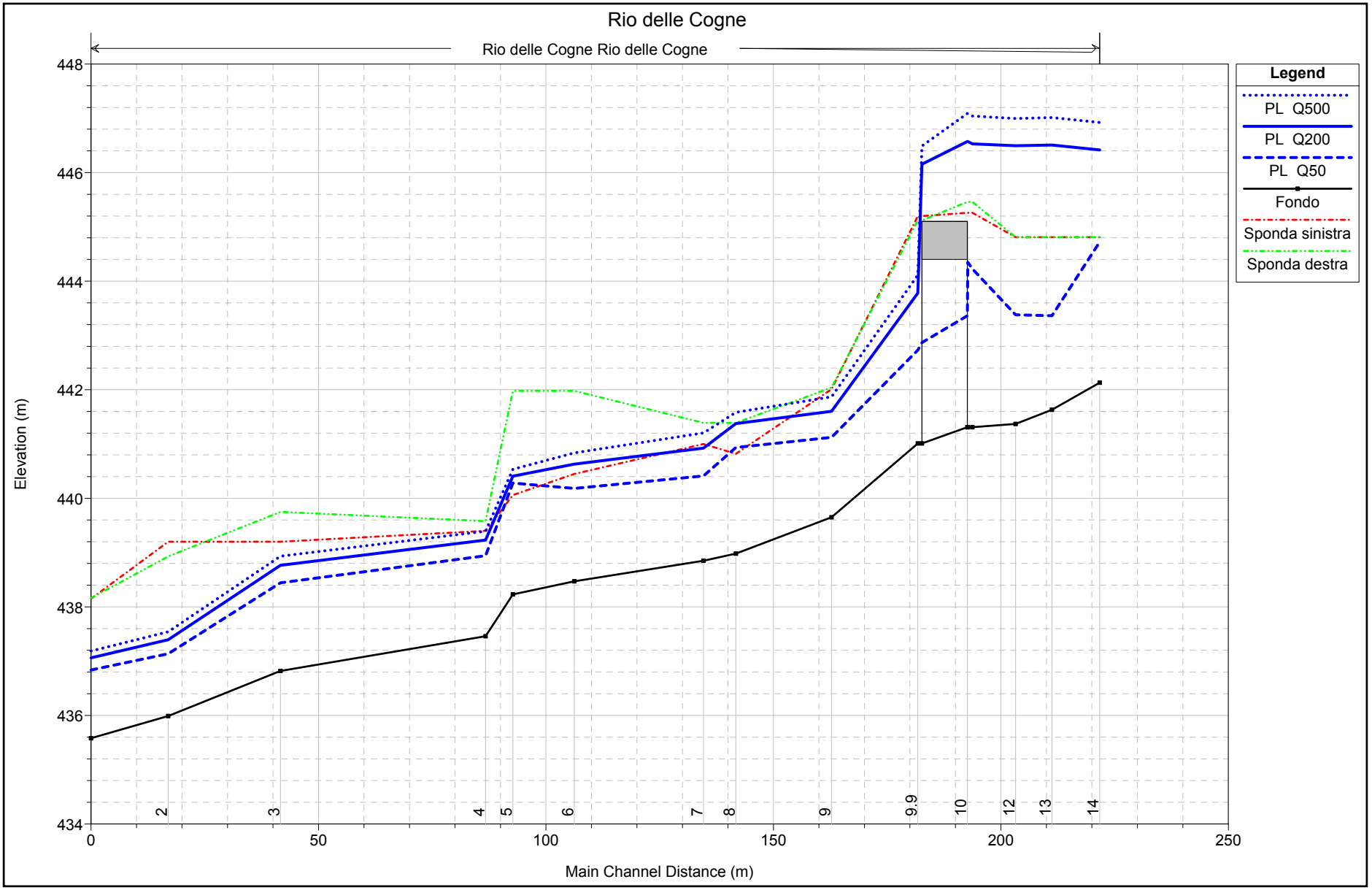
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
pentemina	97	Q200	380.00	442.65	444.53	448.00	3.47	446.24	1.71	445.34	447.21	0.048505	7.26	52.34	33.66	1.86
pentemina	97	Q500	443.00	442.65	444.67	448.00	3.33	446.24	1.57	445.60	447.75	0.050510	7.78	56.96	33.96	1.92
pentemina	96	Q50	282.00	442.48	445.09	448.00	2.91	446.03	0.94	444.80	445.80	0.008444	3.72	75.84	35.52	0.81
pentemina	96	Q200	380.00	442.48	445.66	448.00	2.34	446.03	0.37	445.23	446.45	0.007438	3.95	96.21	36.81	0.78
pentemina	96	Q500	443.00	442.48	445.94	448.00	2.06	446.03	0.09	445.48	446.82	0.007402	4.15	106.70	37.45	0.79
pentemina	95.01	Q50	282.00	441.99	445.25	450.24	4.99	450.03	4.78	444.25	445.59	0.003806	2.56	110.05	47.54	0.54
pentemina	95.01	Q200	380.00	441.99	445.86	450.24	4.38	450.03	4.17	444.63	446.24	0.003287	2.74	138.82	47.55	0.51
pentemina	95.01	Q500	443.00	441.99	446.17	450.24	4.07	450.03	3.86	444.86	446.60	0.003232	2.88	153.70	47.56	0.51
pentemina	95		Bridge													
pentemina	94.99	Q50	282.00	441.99	443.80	450.24	6.44	450.03	6.23	444.25	445.38	0.036982	5.57	50.61	39.03	1.56
pentemina	94.99	Q200	380.00	441.99	444.08	450.24	6.16	450.03	5.95	444.63	446.01	0.035286	6.15	61.83	39.38	1.57
pentemina	94.99	Q500	443.00	441.99	444.27	450.24	5.97	450.03	5.76	444.86	446.35	0.033269	6.39	69.33	39.62	1.54
pentemina	94	Q50	282.00	440.32	443.91	445.00	1.09	443.48	-0.43	442.83	444.29	0.003281	2.73	104.83	43.37	0.51
pentemina	94	Q200	380.00	440.32	444.37	445.00	0.63	443.48	-0.89	443.27	444.87	0.003638	3.15	126.61	51.28	0.55
pentemina	94	Q500	443.00	440.32	444.58	445.00	0.42	443.48	-1.10	443.52	445.17	0.004014	3.43	137.87	54.93	0.58
pentemina	93	Q50	282.00	440.47	443.61	445.15	1.54	444.05	0.44	443.12	444.15	0.006630	3.26	86.63	41.84	0.72
pentemina	93	Q200	380.00	440.47	444.10	445.15	1.05	444.05	-0.05	443.56	444.73	0.006470	3.51	108.38	51.75	0.73
pentemina	93	Q500	443.00	440.47	444.31	445.15	0.84	444.05	-0.26	443.81	445.02	0.006677	3.75	121.72	76.83	0.75
pentemina	92	Q50	282.00	439.61	442.92	444.63	1.71	442.89	-0.03	442.92	443.86	0.013441	4.29	65.72	36.55	1.01
pentemina	92	Q200	380.00	439.61	443.39	444.63	1.24	442.89	-0.50	443.39	444.45	0.011793	4.58	86.25	53.64	0.98
pentemina	92	Q500	443.00	439.61	443.73	444.63	0.90	442.89	-0.84	443.73	444.77	0.009983	4.56	108.77	77.76	0.91
pentemina	91	Q50	282.00	439.39	442.62	443.37	0.75	443.40	0.78	441.76	443.09	0.004256	3.05	92.40	34.20	0.59
pentemina	91	Q200	380.00	439.39	441.52	443.37	1.85	443.40	1.88	442.22	443.85	0.035745	6.77	56.10	31.62	1.62
pentemina	91	Q500	443.00	439.39	441.75	443.37	1.62	443.40	1.65	442.47	444.22	0.032732	6.95	63.71	32.18	1.58
pentemina	90	Q50	282.00	439.42	442.61	441.78	-0.83	442.10	-0.51	441.59	442.96	0.002955	2.62	118.52	72.36	0.50
pentemina	90	Q200	380.00	439.42	443.04	441.78	-1.26	442.10	-0.94	442.02	443.47	0.003144	2.97	152.22	84.63	0.53
pentemina	90	Q500	443.00	439.42	443.27	441.78	-1.49	442.10	-1.17	442.29	443.76	0.003279	3.18	172.45	91.20	0.55
pentemina	89	Q50	282.00	439.10	442.55	443.40	0.85	442.30	-0.25	441.46	442.87	0.002941	2.48	115.51	58.60	0.50
pentemina	89	Q200	380.00	439.10	442.98	443.40	0.42	442.30	-0.68	441.87	443.37	0.003539	2.80	148.50	98.03	0.55
pentemina	89	Q500	443.00	439.10	443.22	443.40	0.18	442.30	-0.92	442.12	443.65	0.003729	2.92	173.01	102.33	0.57
pentemina	88	Q50	282.00	439.27	442.14	442.08	-0.06	442.00	-0.14	441.85	442.70	0.008439	3.31	85.61	56.84	0.80
pentemina	88	Q200	380.00	439.27	442.57	442.08	-0.49	442.00	-0.57	442.25	443.20	0.007294	3.55	116.97	91.65	0.77

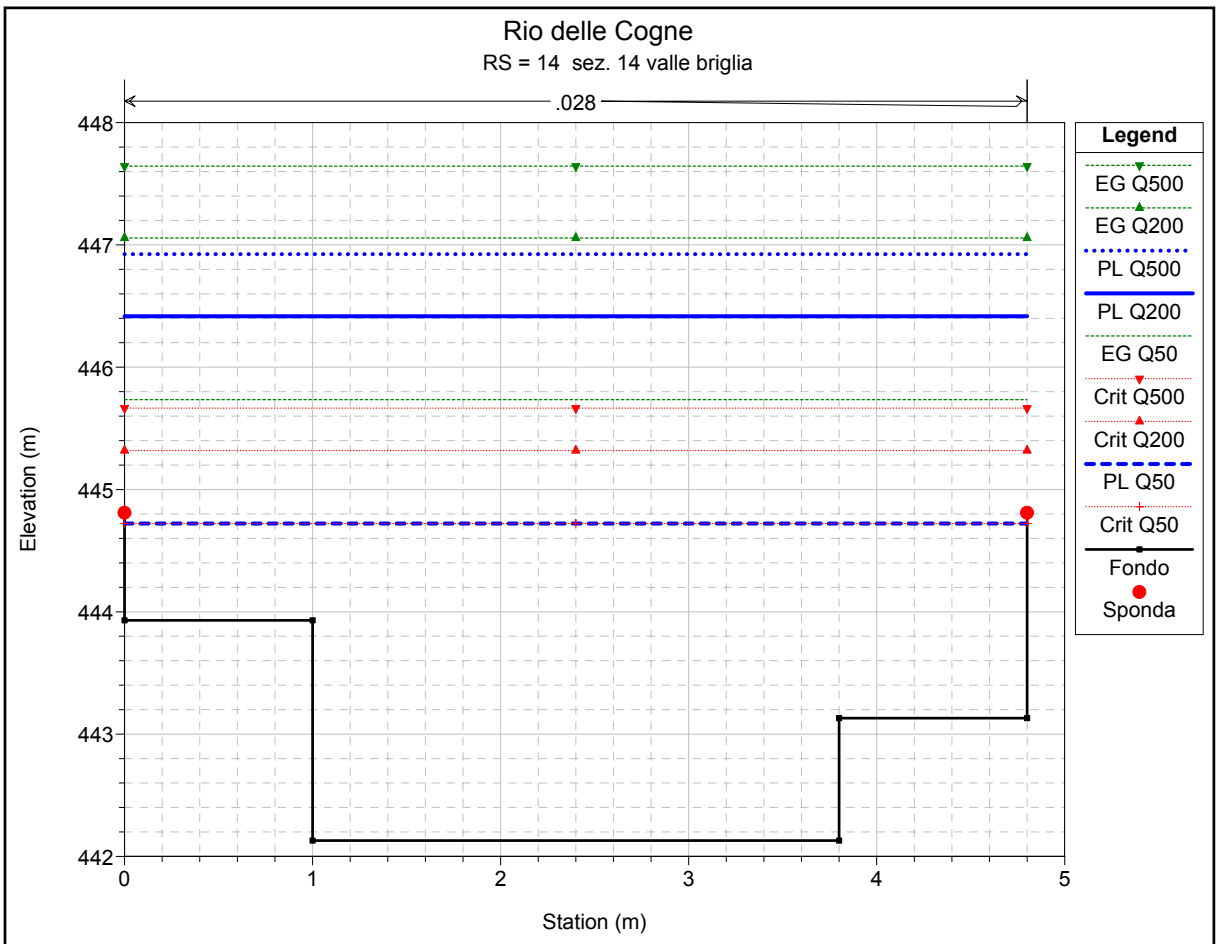
HEC-RAS Plan: 06_RevF River: affluente Reach: pentemina (Continued)

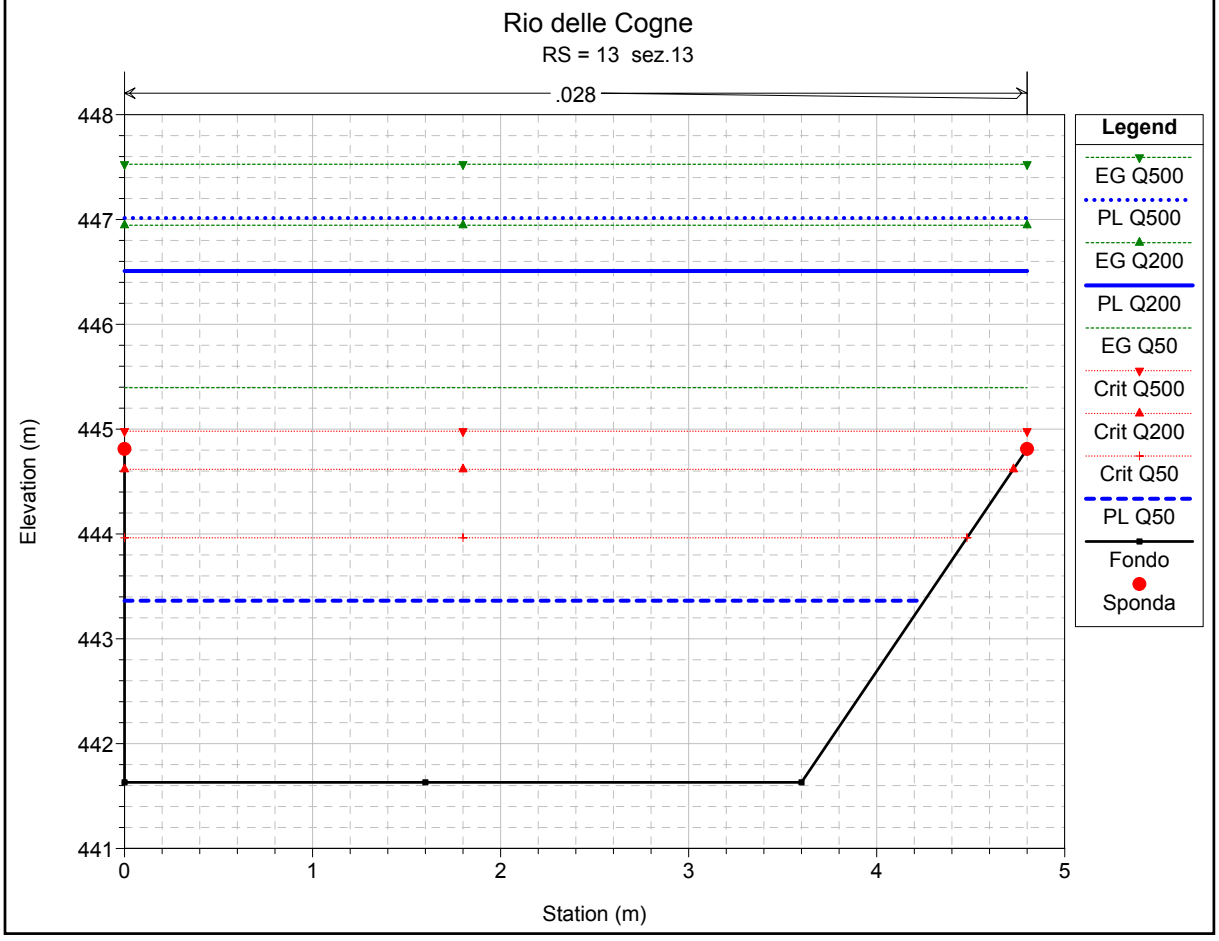
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
pentemina	88	Q500	443.00	439.27	442.83	442.08	-0.75	442.00	-0.83	442.51	443.48	0.006463	3.61	144.45	109.96	0.74
pentemina	87	Q50	282.00	438.86	442.29	441.61	-0.68	441.34	-0.95	441.00	442.53	0.001947	2.19	145.75	90.70	0.41
pentemina	87	Q200	380.00	438.86	442.72	441.61	-1.11	441.34	-1.38	441.38	443.02	0.002084	2.49	190.28	114.93	0.44
pentemina	87	Q500	443.00	438.86	442.98	441.61	-1.37	441.34	-1.64	441.63	443.31	0.002097	2.63	221.36	123.93	0.45
pentemina	86	Q50	282.00	438.77	442.29	442.34	0.05	442.12	-0.17	440.67	442.46	0.001408	1.83	161.21	102.94	0.35
pentemina	86	Q200	380.00	438.77	442.73	442.34	-0.39	442.12	-0.61	441.03	442.95	0.001516	2.08	206.61	103.00	0.37
pentemina	86	Q500	443.00	438.77	442.99	442.34	-0.65	442.12	-0.87	441.25	443.23	0.001552	2.21	233.49	103.00	0.38

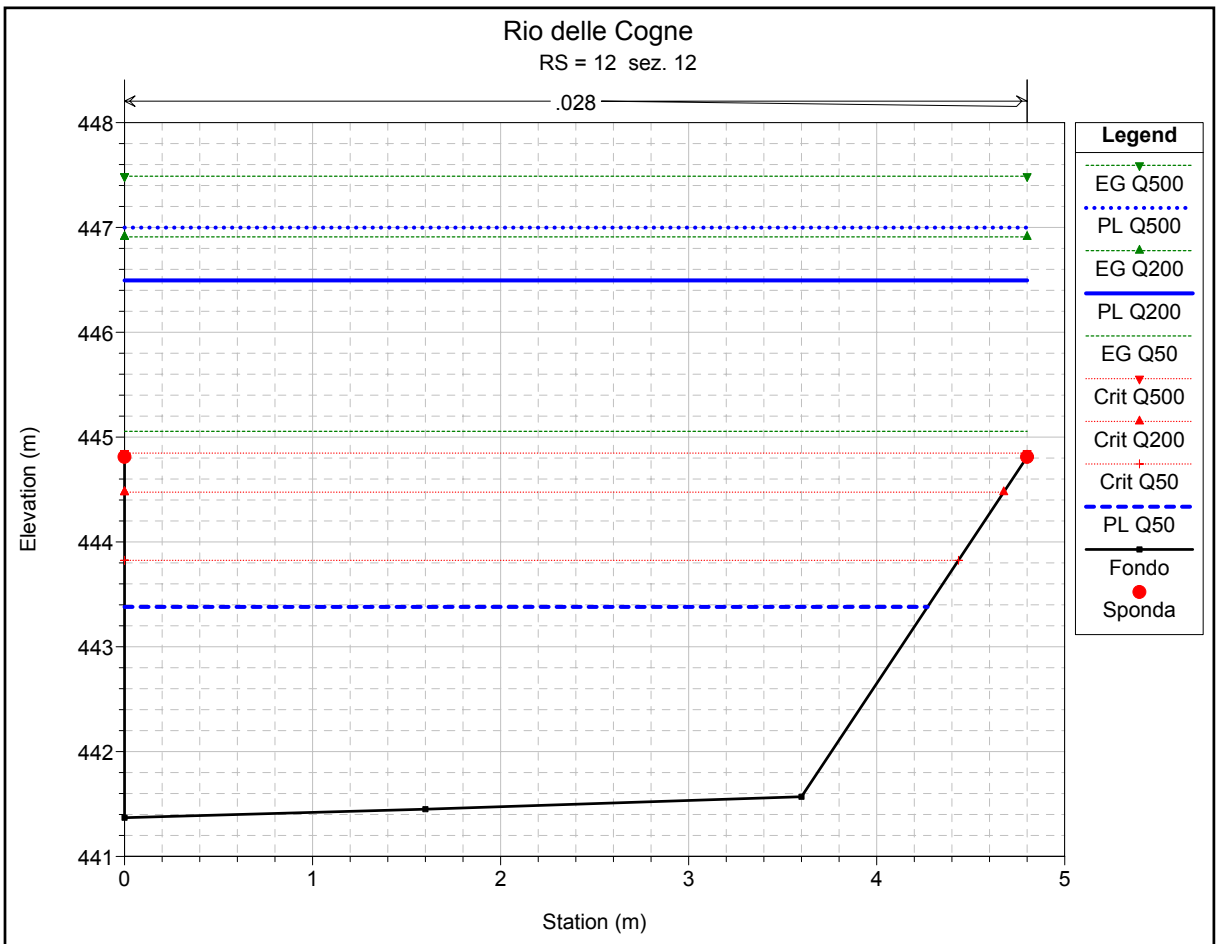
Rio delle Cogne

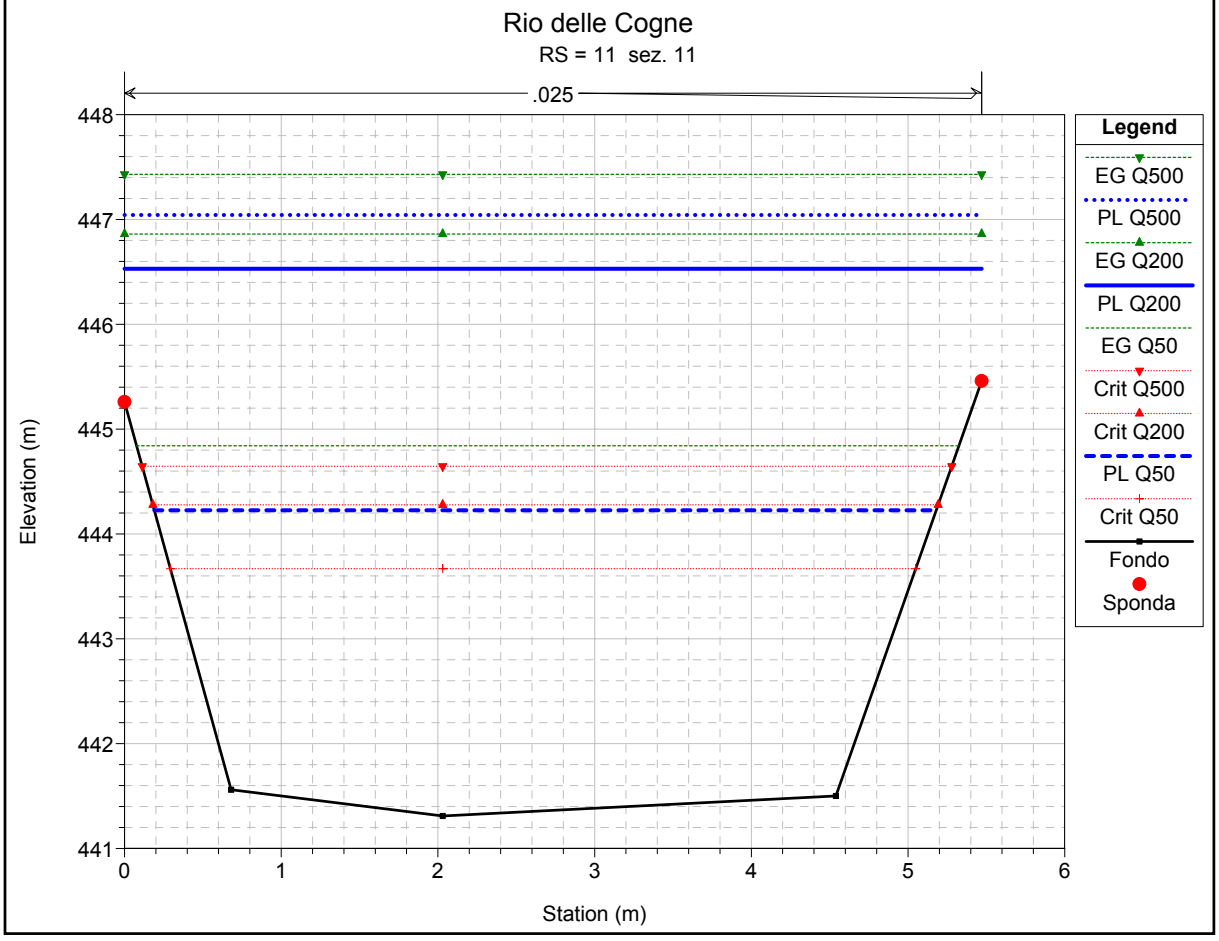
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

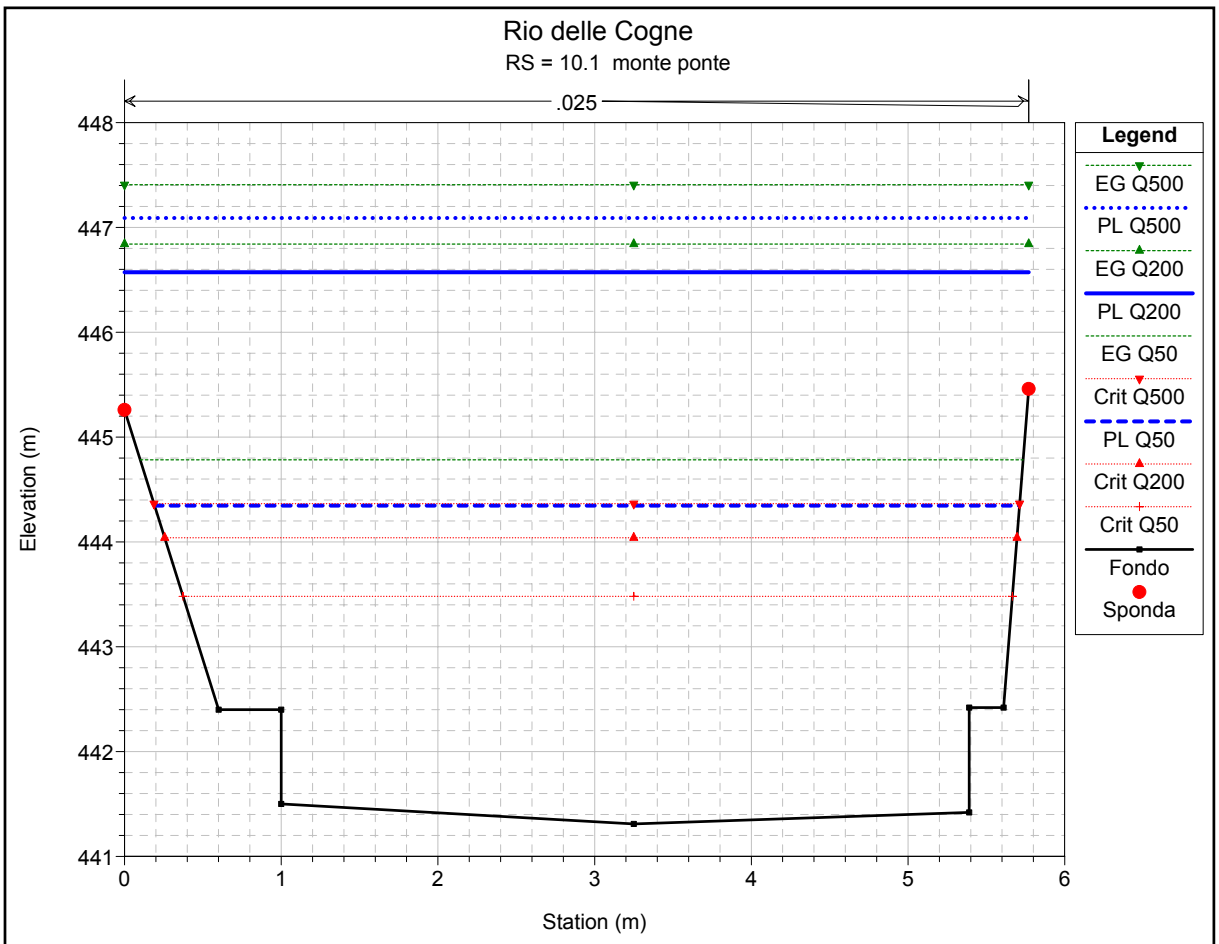

Rio delle Cogne
Rio delle Cogne Rio delle Cogne
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sinistra
Sponda destra
Elevation (m)
448
446
444
442
440
438
436
434
0
50
100
150
200
250
Main Channel Distance (m)
2
3
4
5
6
7
8
9
9.9
10
12
13
14

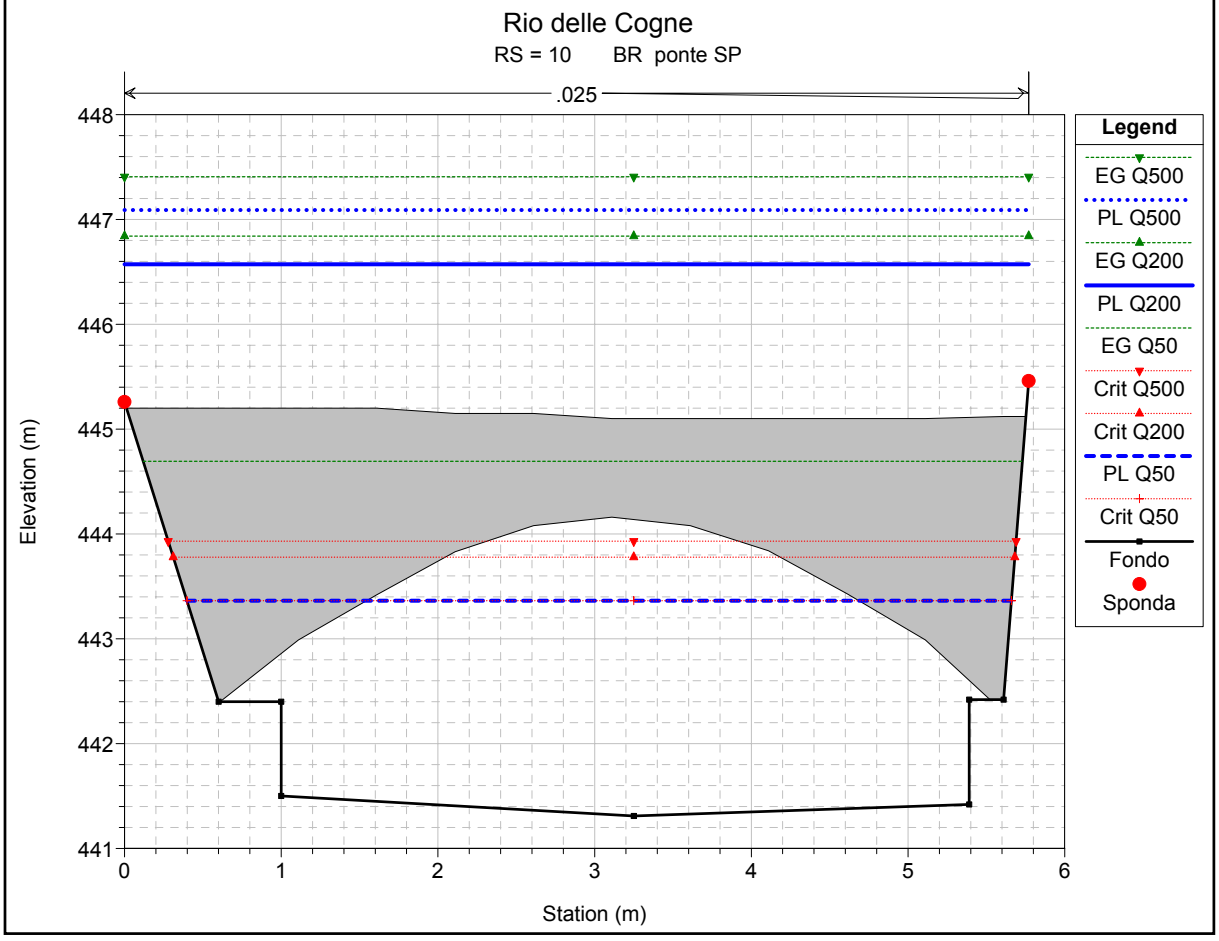

Rio delle Cogne
RS = 14 sez. 14 valle briglia
.028
Elevation (m)
448
447
446
445
444
443
442
0
1
2
3
4
5
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda

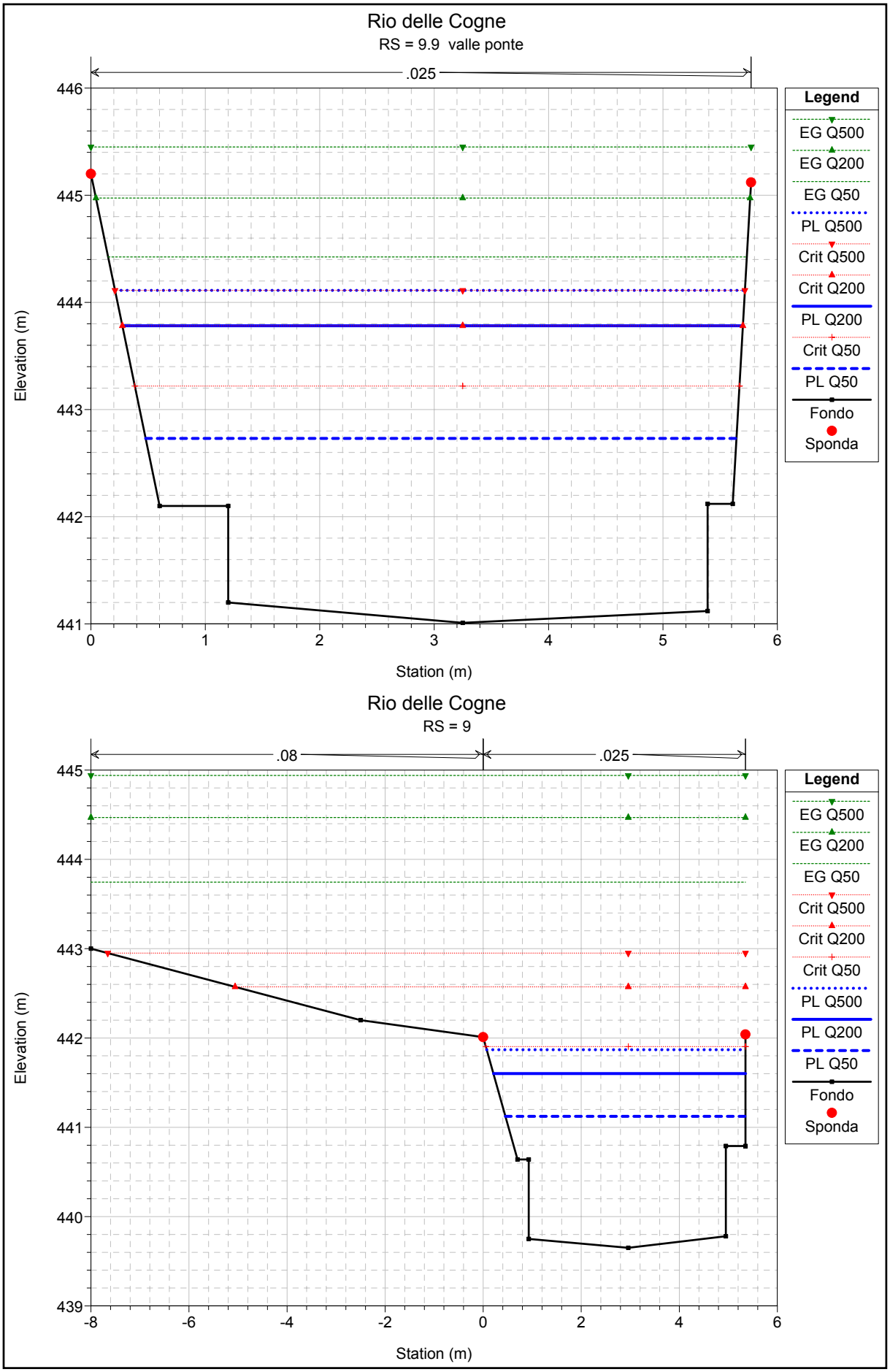

Rio delle Cogne
RS = 13 sez.13
.028
Elevation (m)
448
447
446
445
444
443
442
441
0
1
2
3
4
5
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q50
Fondo
Sponda

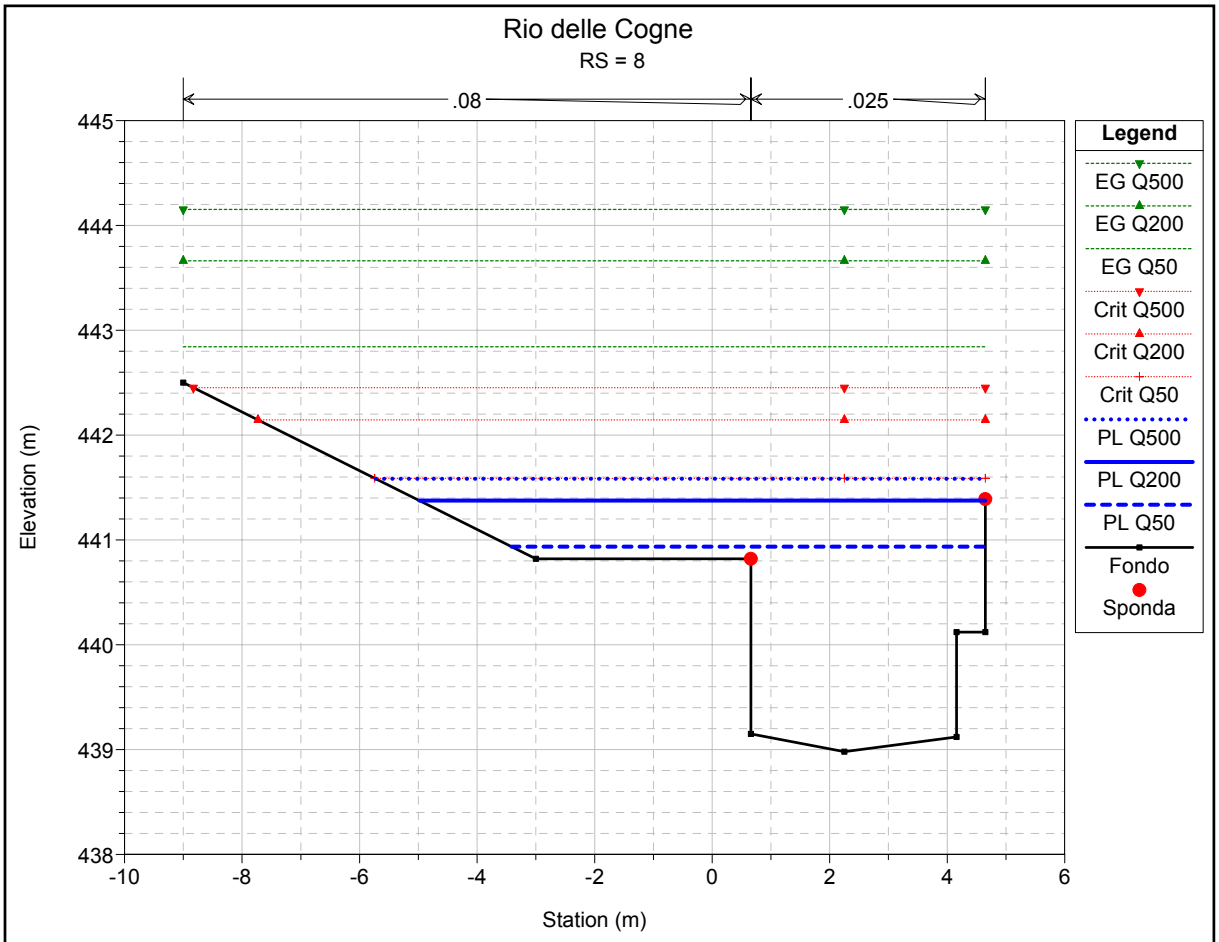

Rio delle Cogne
RS = 12 sez. 12
.028
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q50
Fondo
Sponda

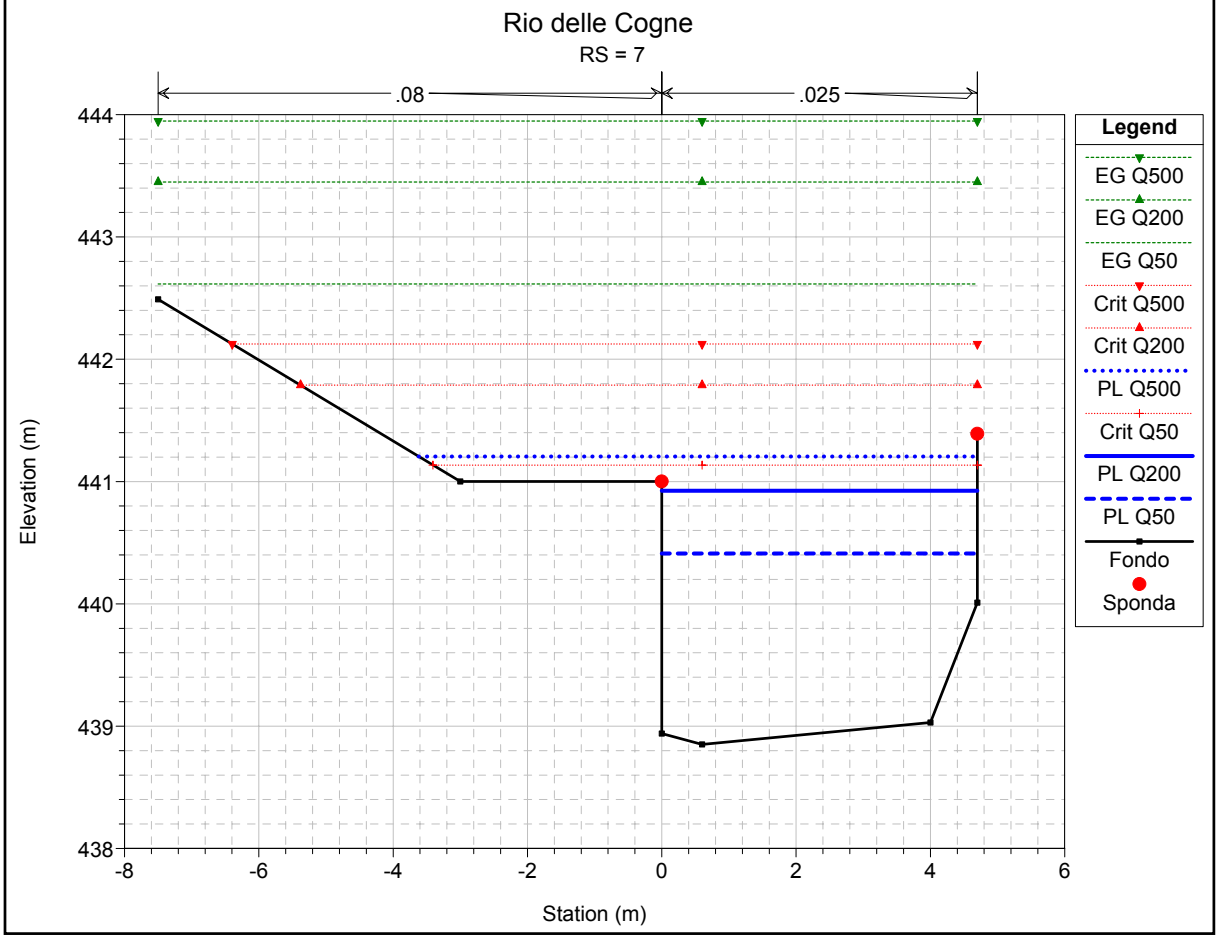

Rio delle Cogne
RS = 11 sez. 11
.025
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda

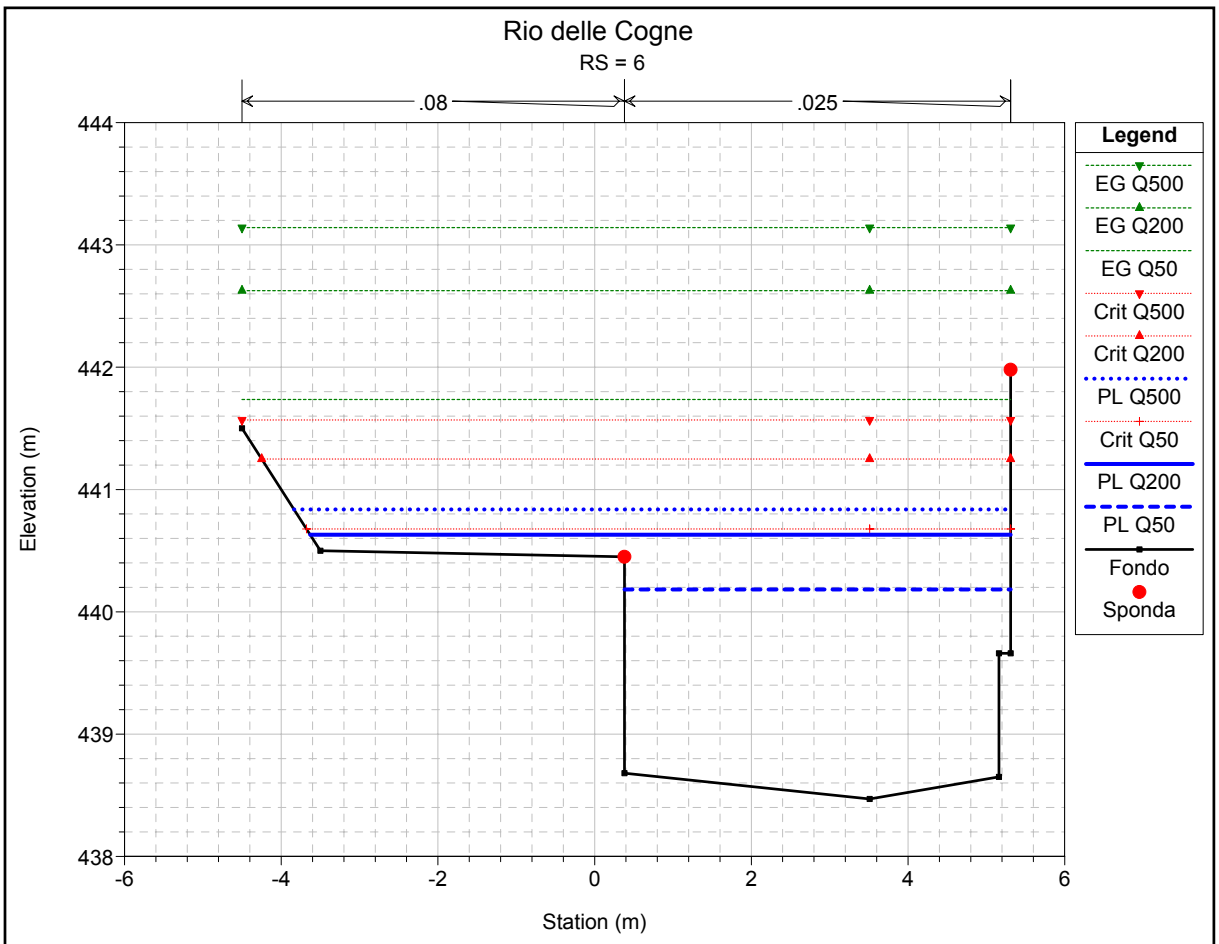

Rio delle Cogne
RS = 10.1 monte ponte
.025
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda

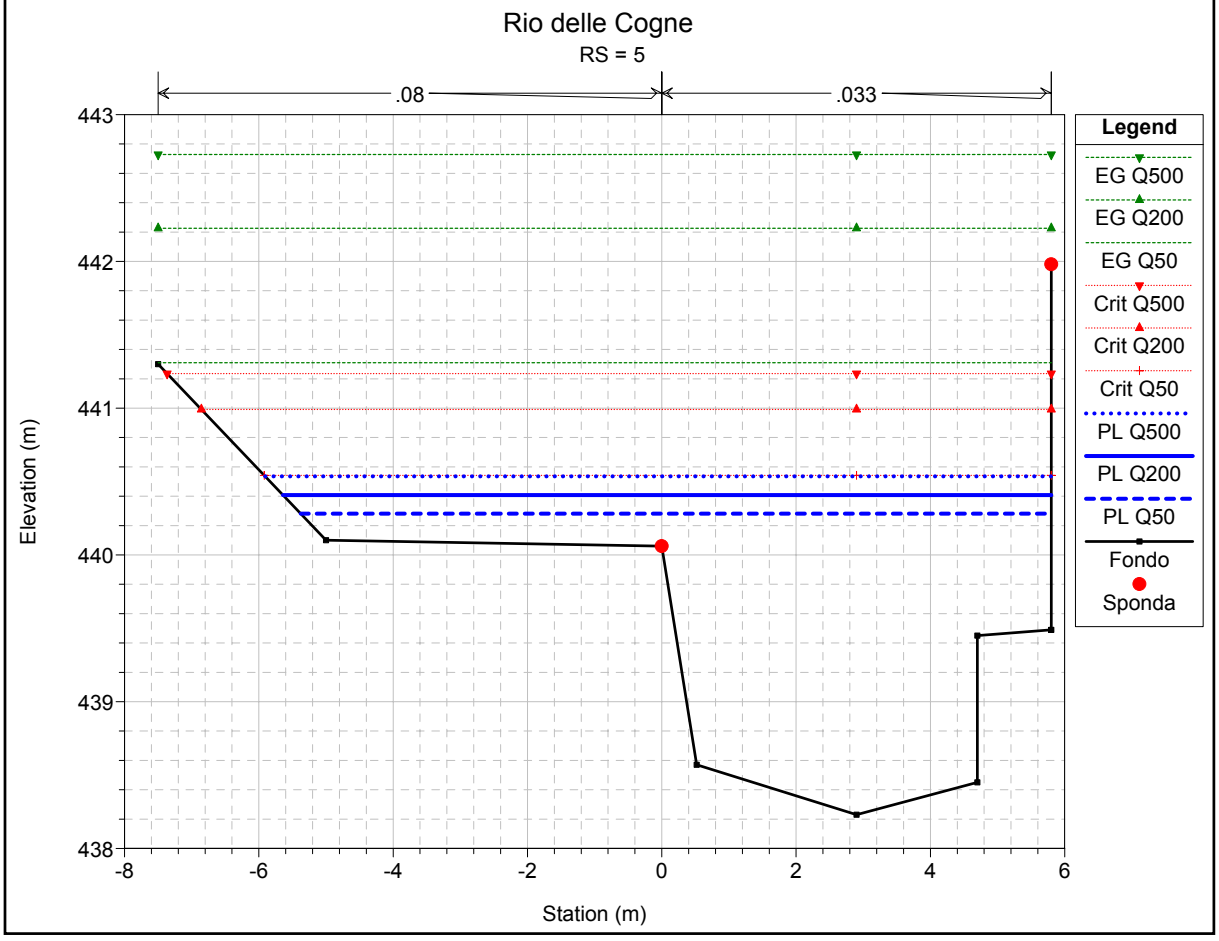

Rio delle Cogne
RS = 10 BR ponte SP
.025
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda

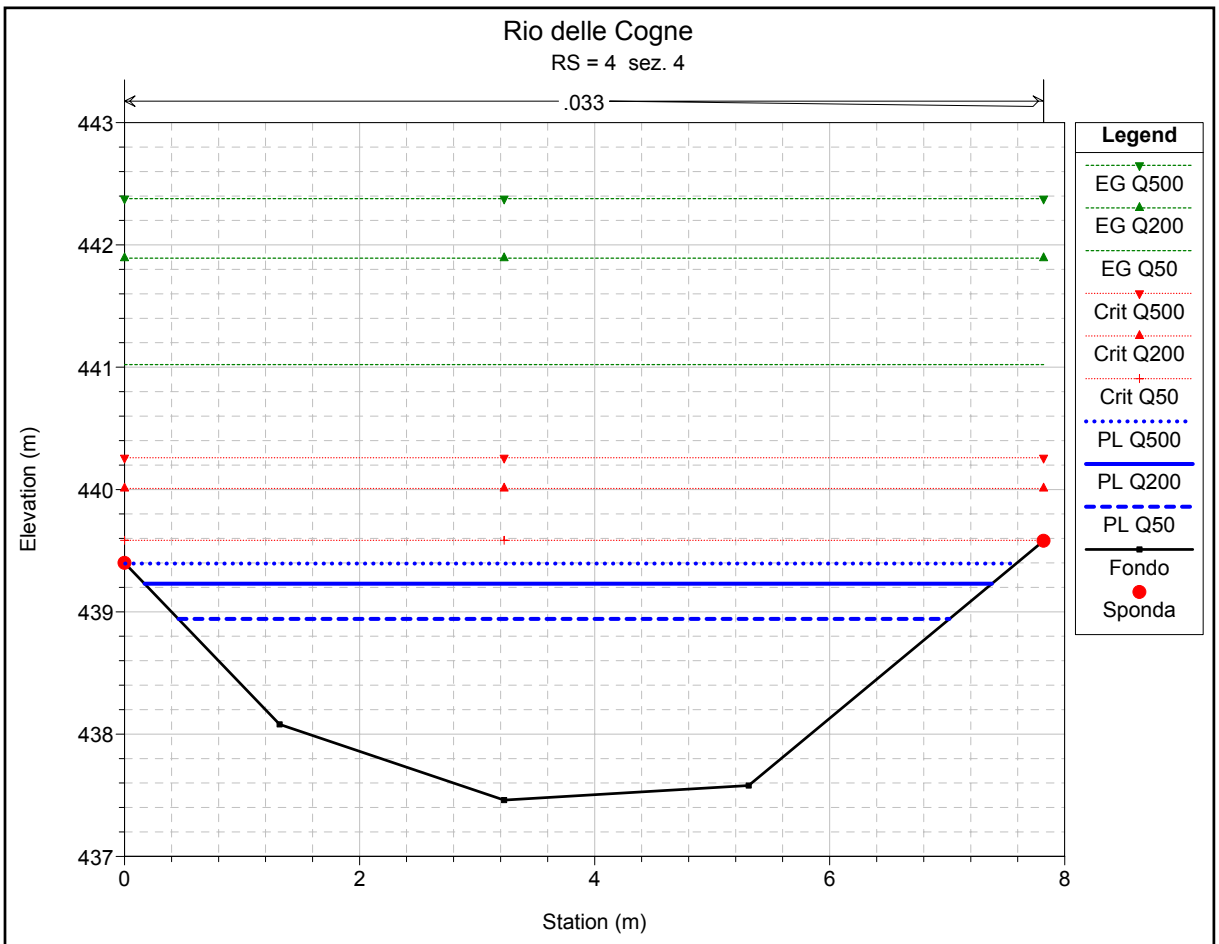

Rio delle Cogne
RS = 9.9 valle ponte
.025
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Sponda
Rio delle Cogne
RS = 9
.08
.025
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda

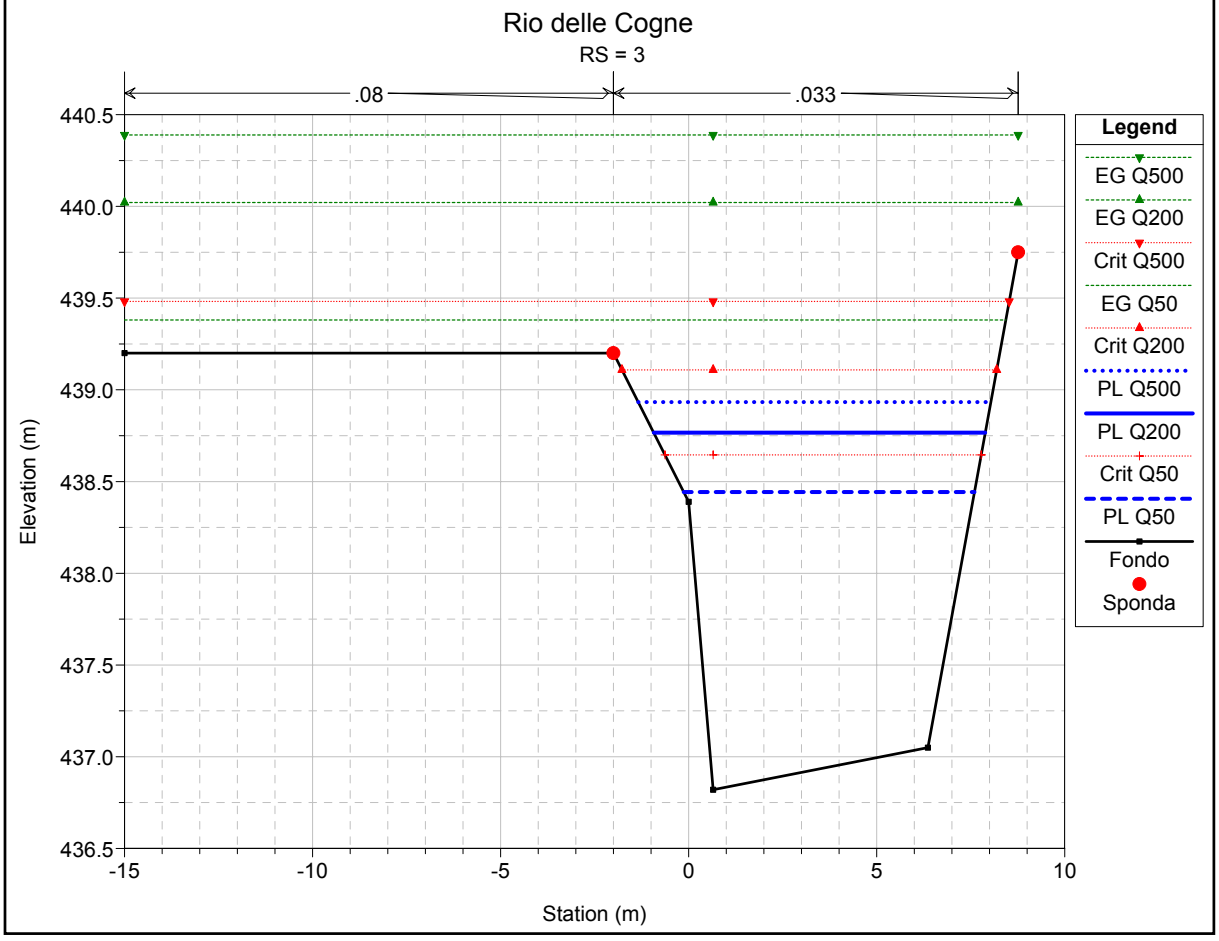

Rio delle Cogne
RS = 8
.08
.025
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda

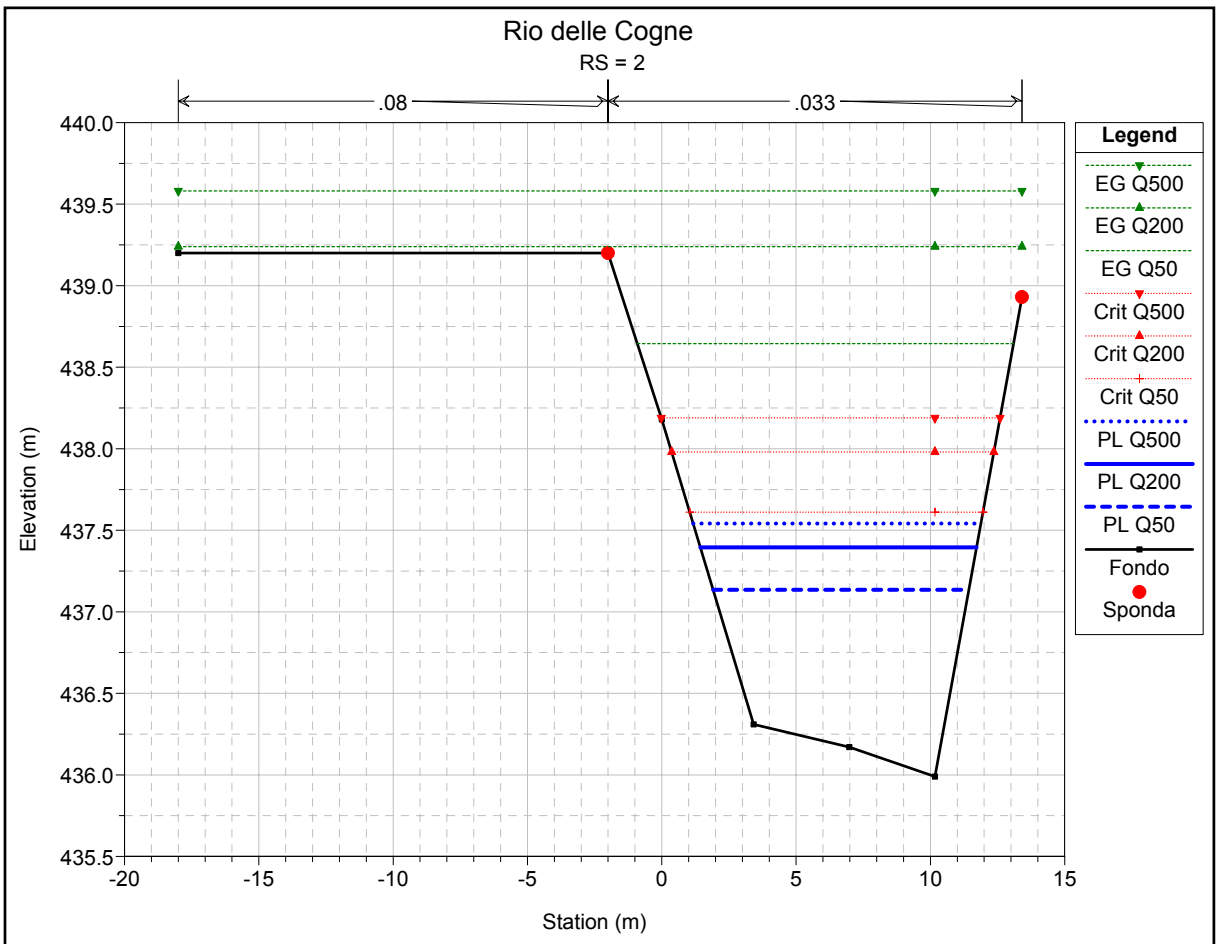

Rio delle Cogne
RS = 7
.08
.025
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda

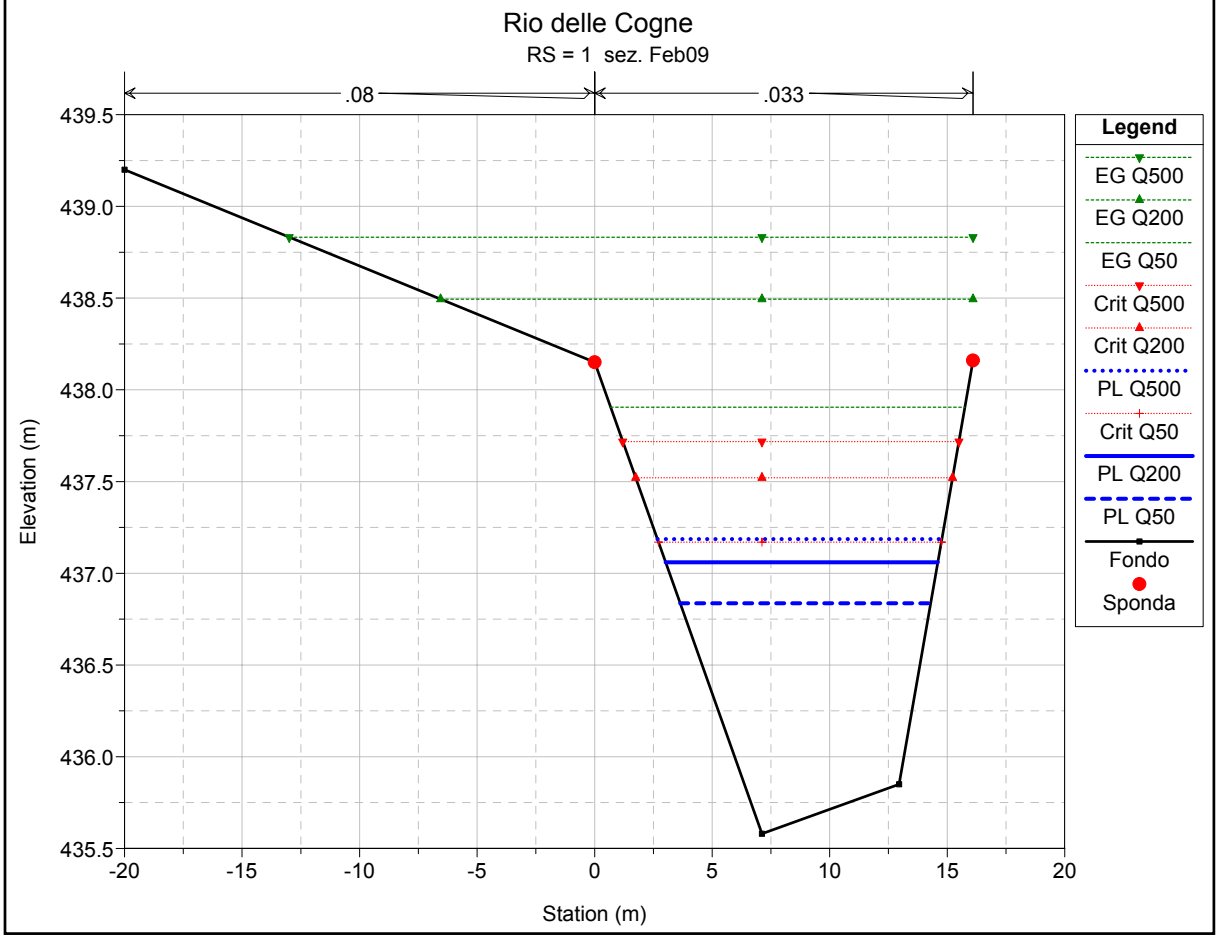

Rio delle Cogne
RS = 6
.08
.025
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda


Rio delle Cogne
RS = 5
.08
.033
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda


Rio delle Cogne
RS = 4 sez. 4
.033
Elevation (m)
443
442
441
440
439
438
437
0
2
4
6
8
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda


Rio delle Cogne
RS = 3
.08
.033
Elevation (m)
440.5
440.0
439.5
439.0
438.5
438.0
437.5
437.0
436.5
-15
-10
-5
0
5
10
Station (m)
Legend
EG Q500
EG Q200
Crit Q500
EG Q50
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Sponda


Rio delle Cogne
RS = 2
.08
.033
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda


Rio delle Cogne
RS = 1 sez. Feb09
.08
.033
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda

HEC-RAS Plan: Mar09 River: Rio delle Cogne Reach: Rio delle Cogne

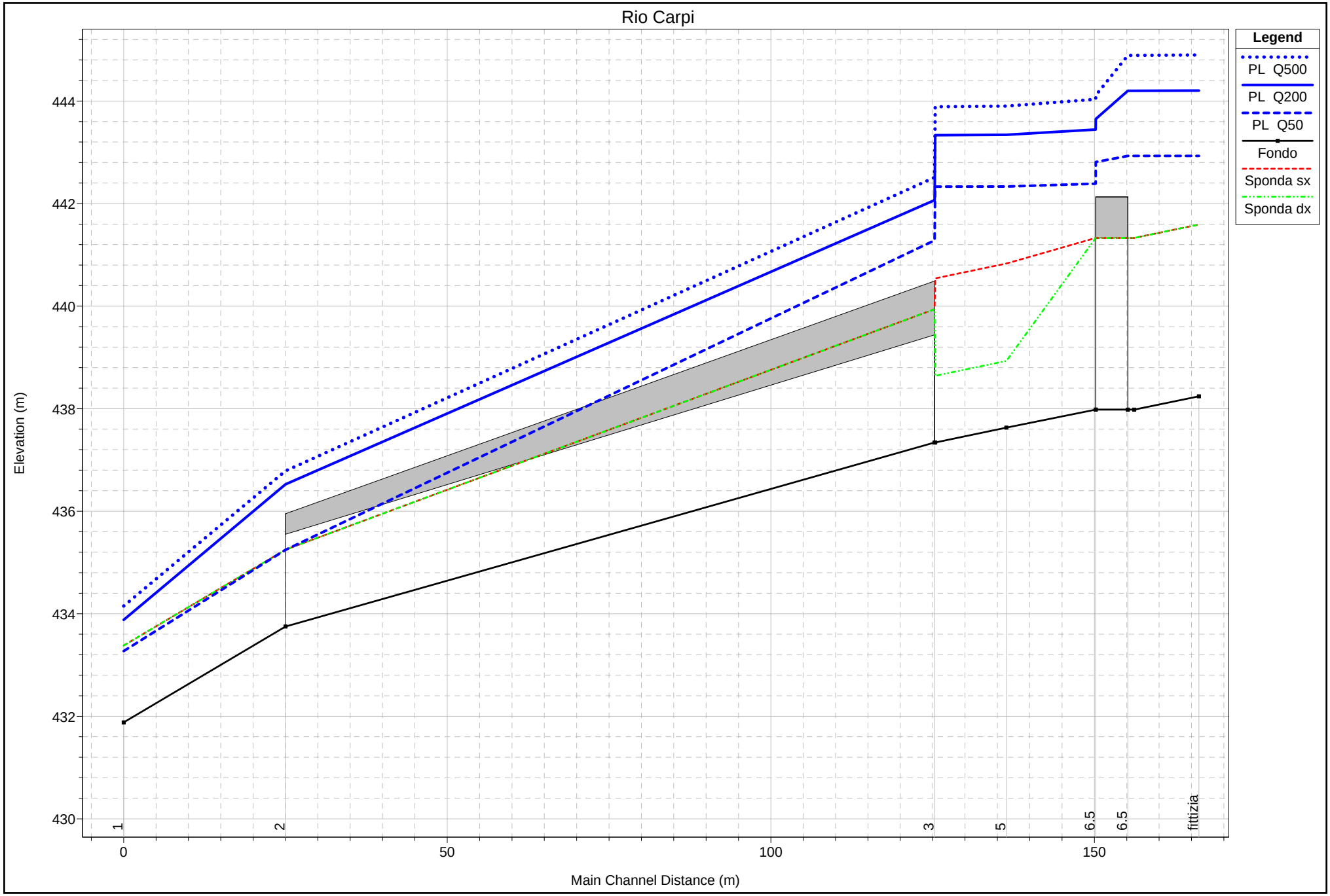
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Rio delle Cogne	14	Q50	43.00	442.13	444.72	444.81	0.09	444.81	0.09	444.72	445.74	0.016331	4.46	9.64	4.80	1.00
Rio delle Cogne	14	Q200	63.00	442.13	446.42	444.81	-1.61	444.81	-1.61	445.32	447.06	0.006737	3.54	17.78	4.80	0.59
Rio delle Cogne	14	Q500	76.00	442.13	446.92	444.81	-2.11	444.81	-2.11	445.66	447.64	0.007046	3.76	20.21	4.80	0.58
Rio delle Cogne	13	Q50	43.00	441.63	443.36	444.81	1.45	444.81	1.45	443.96	445.40	0.033600	6.31	6.81	4.25	1.59
Rio delle Cogne	13	Q200	63.00	441.63	446.51	444.81	-1.70	444.81	-1.70	444.62	446.95	0.003642	2.93	21.51	4.80	0.44
Rio delle Cogne	13	Q500	76.00	441.63	447.01	444.81	-2.20	444.81	-2.20	444.98	447.53	0.004085	3.18	23.93	4.80	0.45
Rio delle Cogne	12	Q50	43.00	441.37	443.38	444.81	1.43	444.81	1.43	443.82	445.05	0.025959	5.73	7.50	4.27	1.38
Rio delle Cogne	12	Q200	63.00	441.37	446.50	444.81	-1.69	444.81	-1.69	444.47	446.91	0.003437	2.85	22.07	4.80	0.42
Rio delle Cogne	12	Q500	76.00	441.37	447.00	444.81	-2.19	444.81	-2.19	444.85	447.49	0.003887	3.10	24.49	4.80	0.44
Rio delle Cogne	11	Q50	43.00	441.31	444.23	445.26	1.03	445.46	1.23	443.67	444.84	0.005230	3.47	12.38	4.99	0.70
Rio delle Cogne	11	Q200	63.00	441.31	446.53	445.26	-1.27	445.46	-1.07	444.28	446.86	0.001918	2.55	24.70	5.47	0.38
Rio delle Cogne	11	Q500	76.00	441.31	447.04	445.26	-1.78	445.46	-1.58	444.65	447.43	0.002143	2.76	27.50	5.47	0.39
Rio delle Cogne	10.1	Q50	43.00	441.31	444.35	445.26	0.91	445.46	1.11	443.48	444.78	0.003565	2.93	14.70	5.52	0.57
Rio delle Cogne	10.1	Q200	63.00	441.31	446.57	445.26	-1.31	445.46	-1.11	444.04	446.84	0.001518	2.30	27.42	5.77	0.34
Rio delle Cogne	10.1	Q500	76.00	441.31	447.09	445.26	-1.83	445.46	-1.63	444.37	447.41	0.001707	2.50	30.41	5.77	0.35
Rio delle Cogne	10		Bridge													
Rio delle Cogne	9.9	Q50	43.00	441.01	442.73	445.20	2.47	445.12	2.39	443.22	444.42	0.023499	5.77	7.46	5.16	1.53
Rio delle Cogne	9.9	Q200	63.00	441.01	443.78	445.20	1.42	445.12	1.34	443.78	444.97	0.010697	4.84	13.02	5.42	1.00
Rio delle Cogne	9.9	Q500	76.00	441.01	444.11	445.20	1.09	445.12	1.01	444.11	445.45	0.010972	5.12	14.83	5.51	1.00
Rio delle Cogne	9	Q50	43.00	439.65	441.12	442.01	0.89	442.04	0.92	441.90	443.75	0.042852	7.17	5.99	4.90	2.07
Rio delle Cogne	9	Q200	63.00	439.65	441.60	442.01	0.41	442.04	0.44	442.57	444.47	0.035449	7.50	8.40	5.14	1.87
Rio delle Cogne	9	Q500	76.00	439.65	441.87	442.01	0.14	442.04	0.17	442.95	444.94	0.033759	7.76	9.79	5.28	1.82
Rio delle Cogne	8	Q50	43.00	438.98	440.94	440.82	-0.12	441.39	0.45	441.59	442.84	0.025829	6.13	7.43	8.07	1.48
Rio delle Cogne	8	Q200	63.00	438.98	441.38	440.82	-0.56	441.39	0.01	442.14	443.66	0.025877	6.86	11.32	9.64	1.48
Rio delle Cogne	8	Q500	76.00	438.98	441.58	440.82	-0.76	441.39	-0.19	442.45	444.15	0.027370	7.37	13.39	10.37	1.52
Rio delle Cogne	7	Q50	43.00	438.85	440.41	441.00	0.59	441.39	0.98	441.13	442.61	0.030100	6.58	6.54	4.70	1.78
Rio delle Cogne	7	Q200	63.00	438.85	440.92	441.00	0.08	441.39	0.47	441.79	443.45	0.027184	7.04	8.95	4.70	1.63
Rio delle Cogne	7	Q500	76.00	438.85	441.21	441.00	-0.21	441.39	0.18	442.12	443.95	0.026189	7.36	10.95	8.32	1.59
Rio delle Cogne	6	Q50	43.00	438.47	440.18	440.45	0.27	441.98	1.80	440.68	441.74	0.019709	5.52	7.79	4.93	1.40
Rio delle Cogne	6	Q200	63.00	438.47	440.63	440.45	-0.18	441.98	1.35	441.25	442.63	0.020451	6.27	10.60	8.94	1.41
Rio delle Cogne	6	Q500	76.00	438.47	440.84	440.45	-0.39	441.98	1.14	441.57	443.14	0.021665	6.78	12.47	9.15	1.45
Rio delle Cogne	5	Q50	43.00	438.23	440.28	440.06	-0.22	441.98	1.70	440.54	441.31	0.020181	4.53	10.40	11.18	1.14
Rio delle Cogne	5	Q200	63.00	438.23	440.41	440.06	-0.35	441.98	1.57	440.99	442.23	0.033329	6.06	11.84	11.44	1.47
Rio delle Cogne	5	Q500	76.00	438.23	440.54	440.06	-0.48	441.98	1.45	441.24	442.73	0.037877	6.70	13.31	11.71	1.57
Rio delle Cogne	4	Q50	43.00	437.46	438.94	439.40	0.46	439.58	0.64	439.58	441.02	0.051345	6.39	6.73	6.56	2.01
Rio delle Cogne	4	Q200	63.00	437.46	439.23	439.40	0.17	439.58	0.35	440.01	441.89	0.053862	7.23	8.72	7.21	2.10
Rio delle Cogne	4	Q500	76.00	437.46	439.39	439.40	0.01	439.58	0.19	440.26	442.38	0.054820	7.65	9.93	7.58	2.13

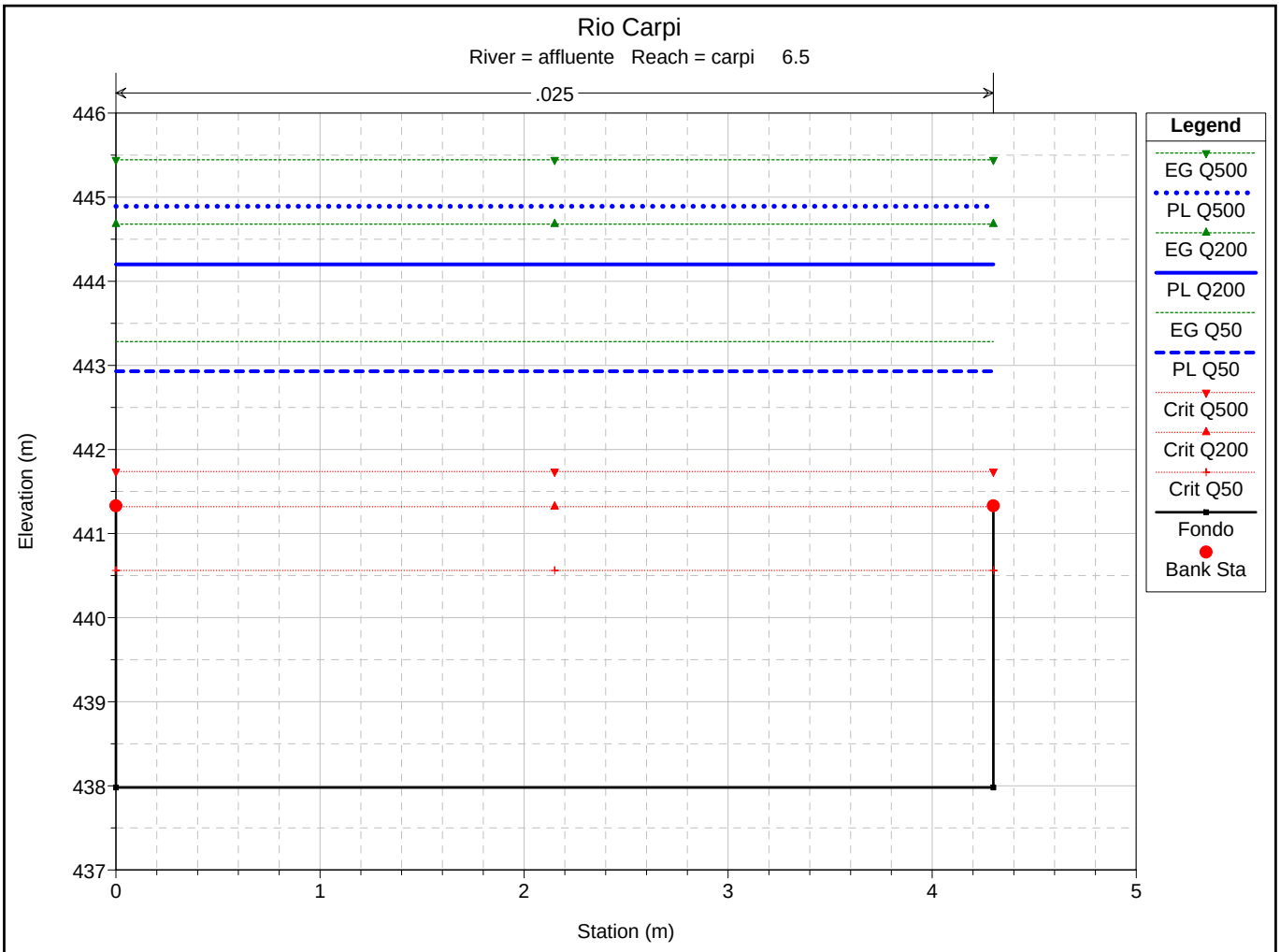
HEC-RAS Plan: Mar09 River: Rio delle Cogne Reach: Rio delle Cogne (Continued)

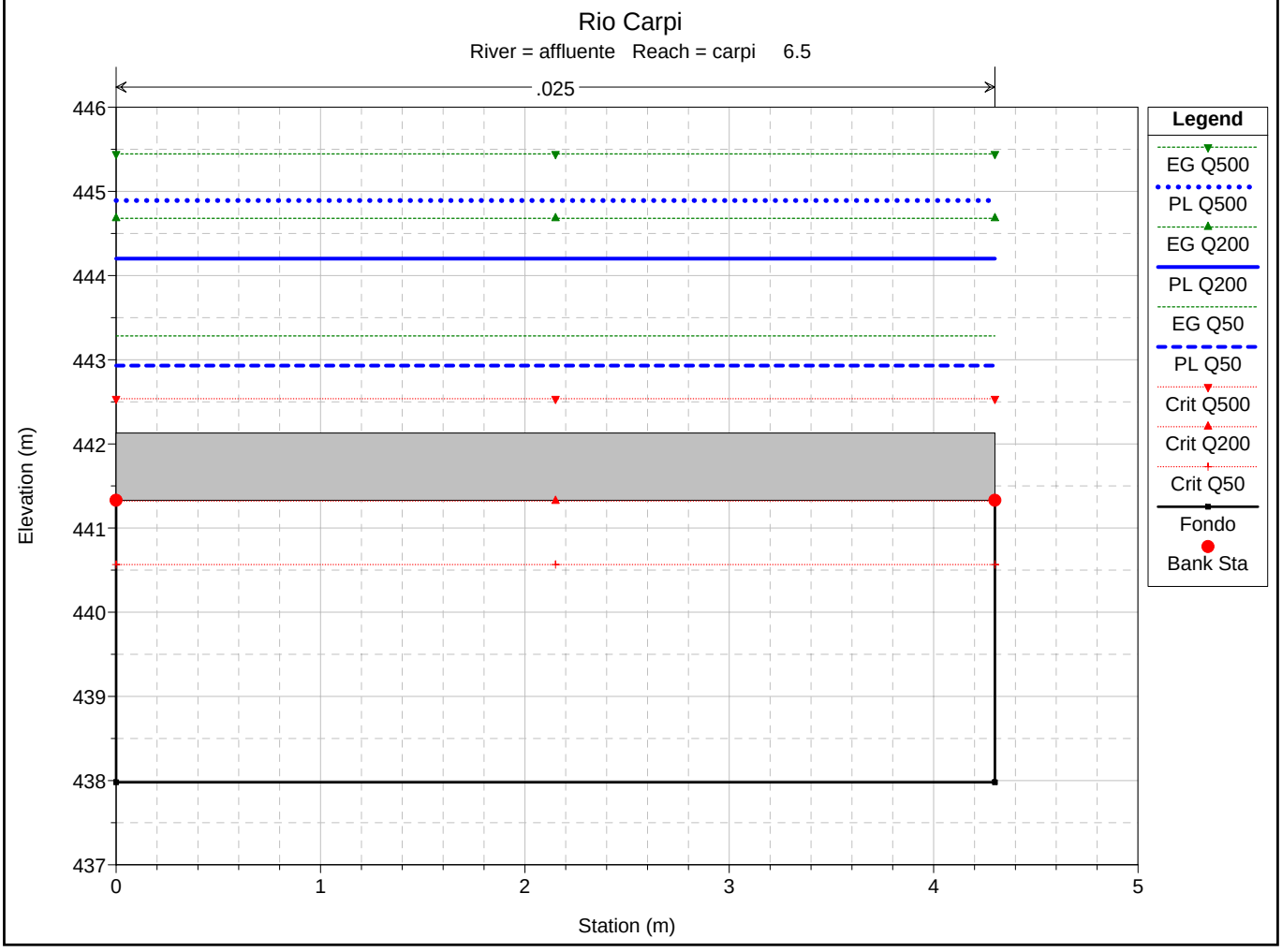
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Rio delle Cogne	3	Q50	43.00	436.82	438.44	439.20	0.76	439.75	1.31	438.65	439.38	0.018461	4.29	10.02	7.73	1.20
Rio delle Cogne	3	Q200	63.00	436.82	438.77	439.20	0.43	439.75	0.98	439.11	440.02	0.021384	4.96	12.70	8.81	1.32
Rio delle Cogne	3	Q500	76.00	436.82	438.93	439.20	0.27	439.75	0.82	439.48	440.39	0.023140	5.35	14.22	9.38	1.39
Rio delle Cogne	2	Q50	43.00	435.99	437.14	439.20	2.06	438.93	1.79	437.61	438.64	0.045250	5.44	7.90	9.52	1.91
Rio delle Cogne	2	Q200	63.00	435.99	437.40	439.20	1.81	438.93	1.53	437.98	439.24	0.042658	6.02	10.47	10.28	1.90
Rio delle Cogne	2	Q500	76.00	435.99	437.54	439.20	1.66	438.93	1.39	438.19	439.58	0.041774	6.33	12.01	10.71	1.91
Rio delle Cogne	1	Q50	43.00	435.58	436.84	438.15	1.31	438.16	1.32	437.17	437.91	0.028946	4.58	9.39	10.65	1.56
Rio delle Cogne	1	Q200	63.00	435.58	437.06	438.15	1.09	438.16	1.10	437.52	438.49	0.031930	5.31	11.87	11.58	1.67
Rio delle Cogne	1	Q500	76.00	435.58	437.19	438.15	0.96	438.16	0.97	437.72	438.83	0.033279	5.68	13.37	12.10	1.73

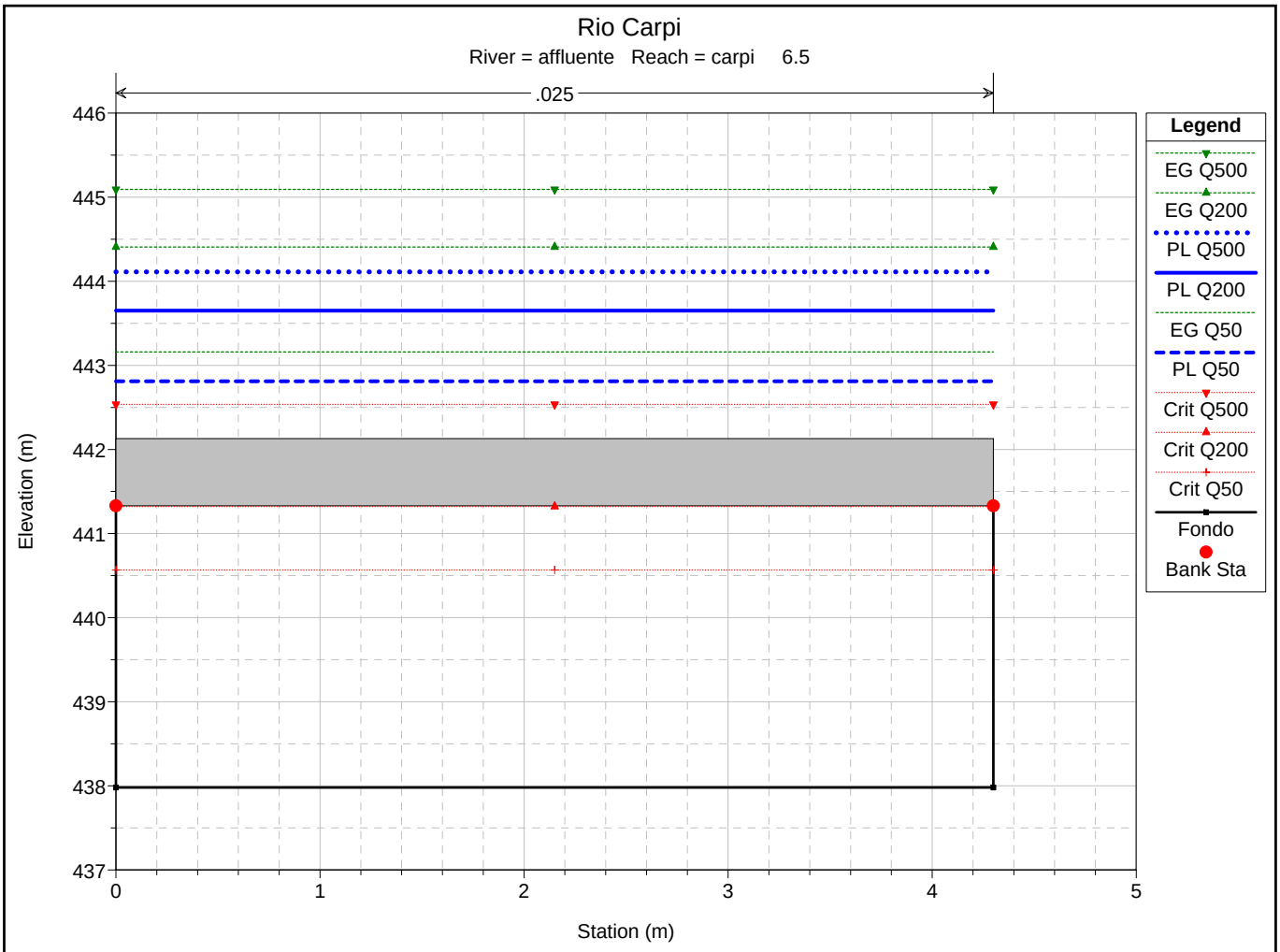
Rio Carpi

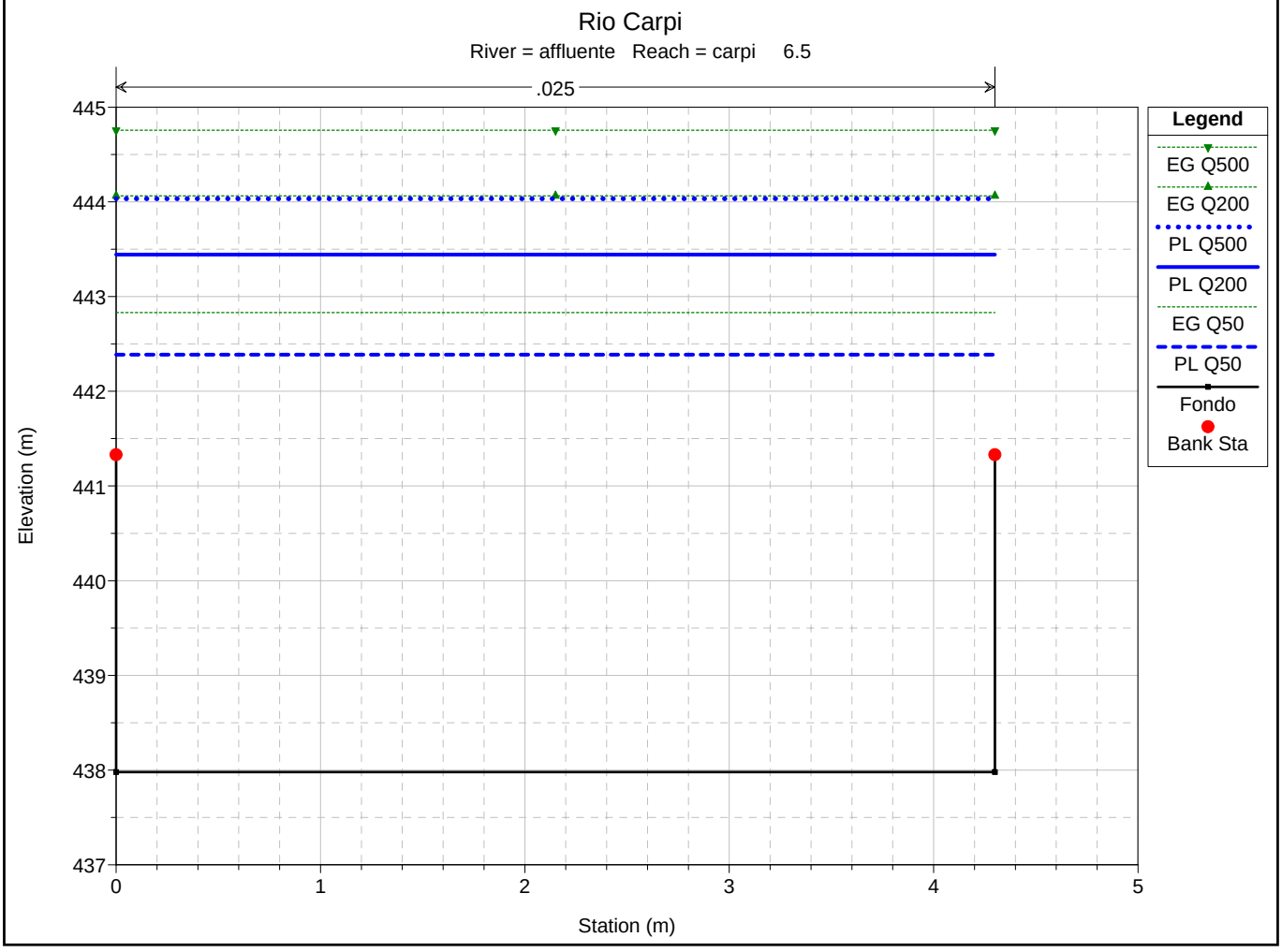
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

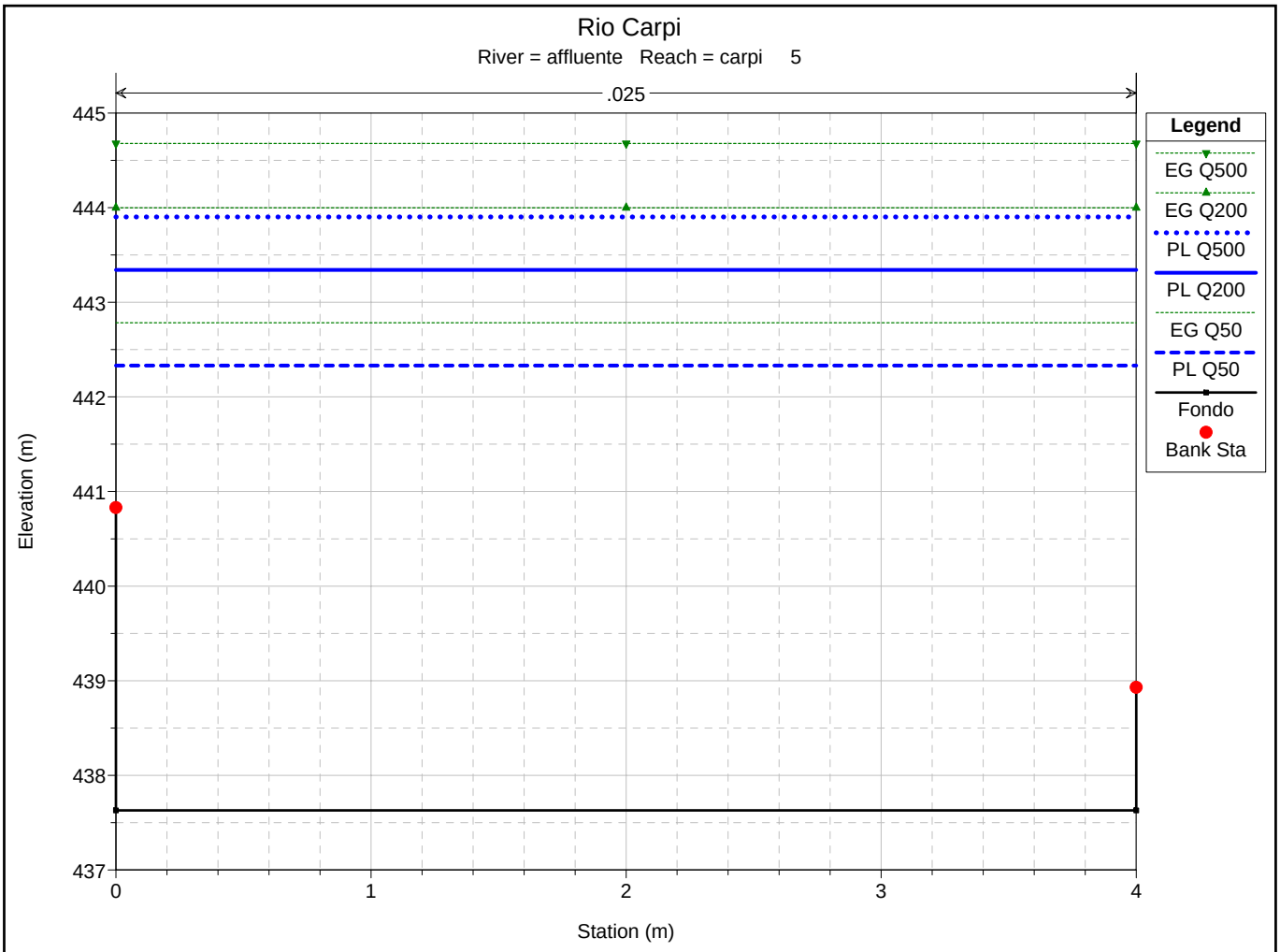

Rio Carpi
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
444
442
440
438
436
434
432
430
0
50
100
150
Main Channel Distance (m)
1
2
3
5
6.5
6.5
fittizia

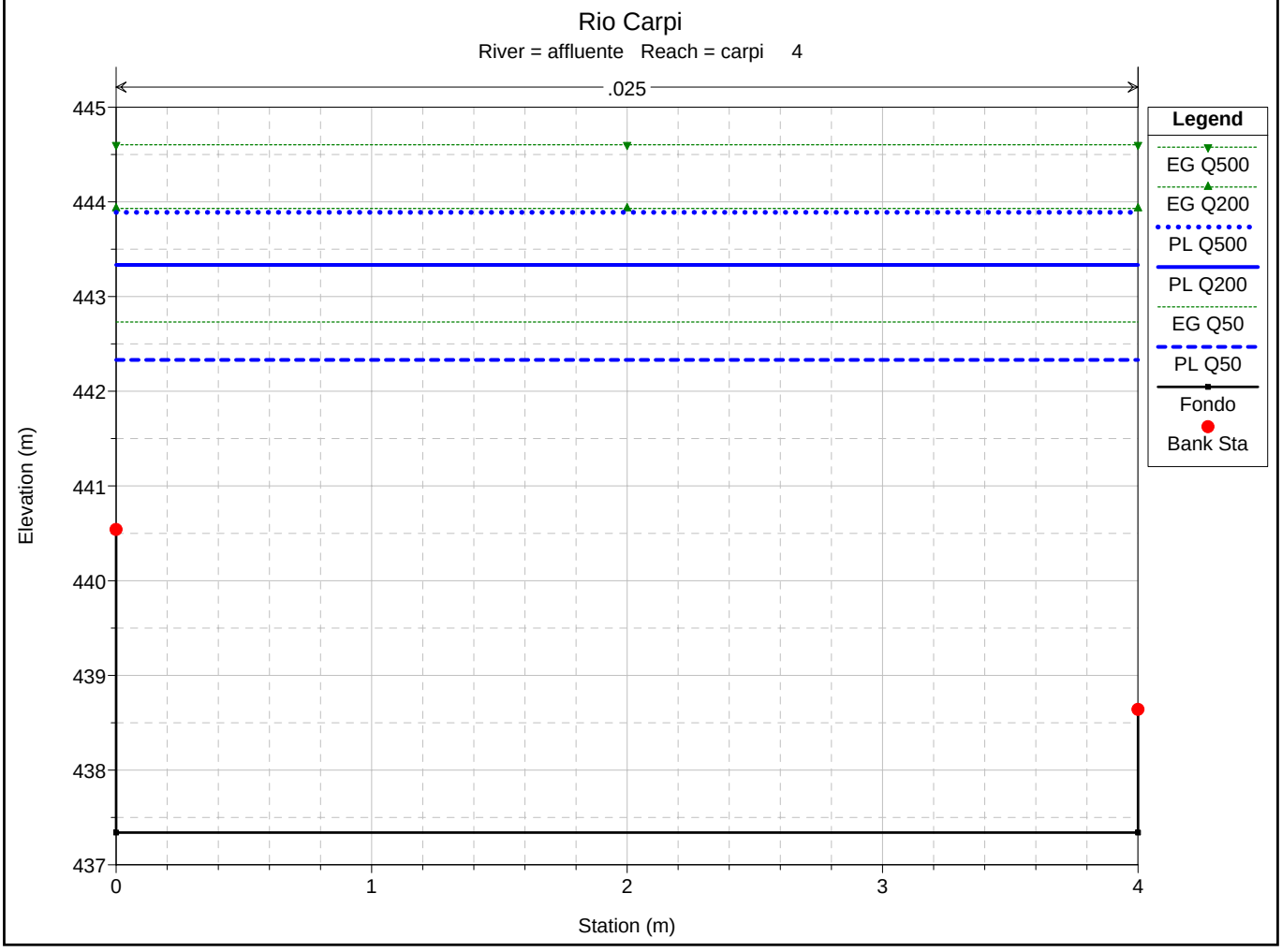

Rio Carpi
River = affluente Reach = carpi 6.5
.025
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

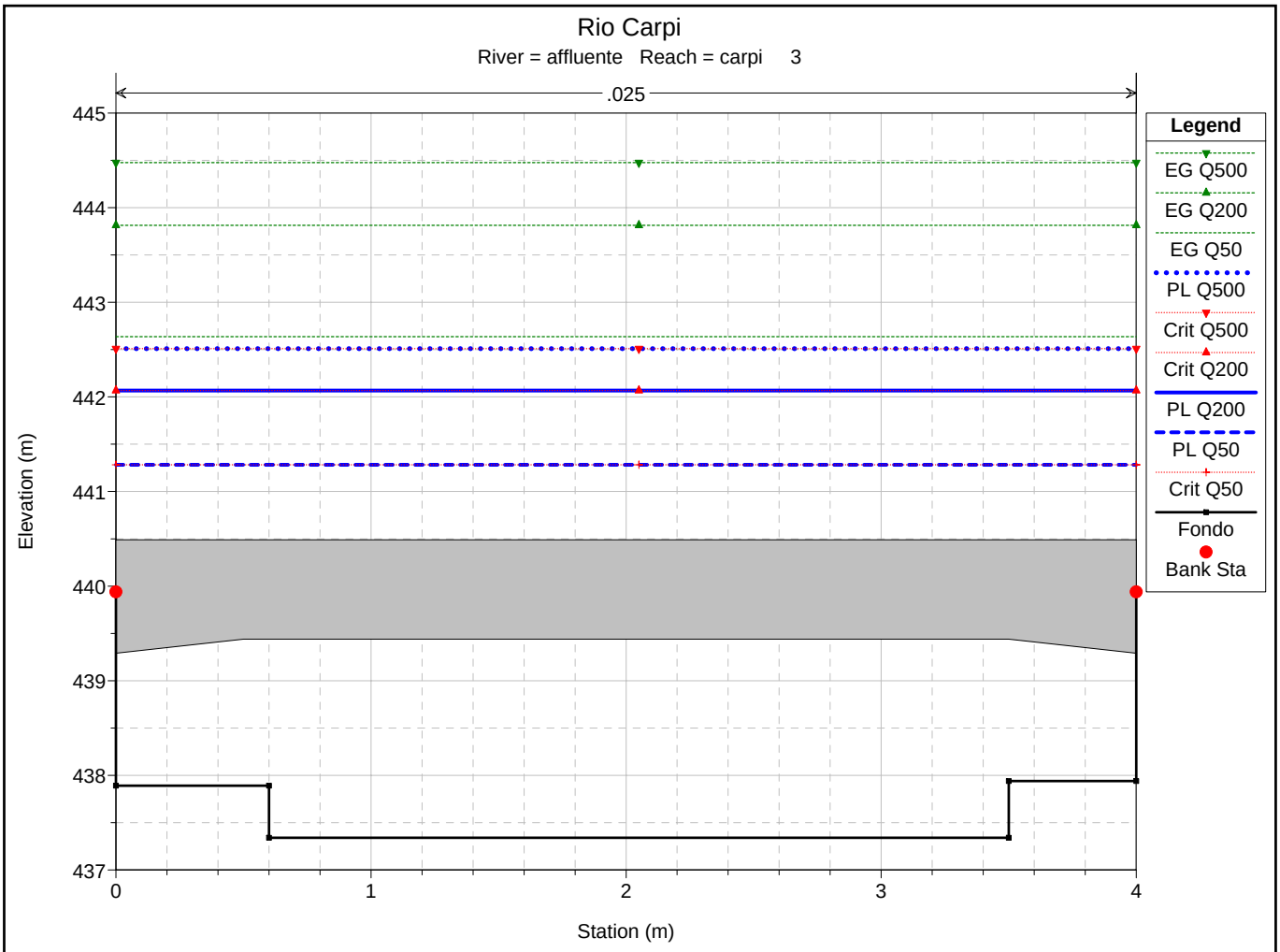

Rio Carpi
River = affluente Reach = carpi 6.5
.025
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

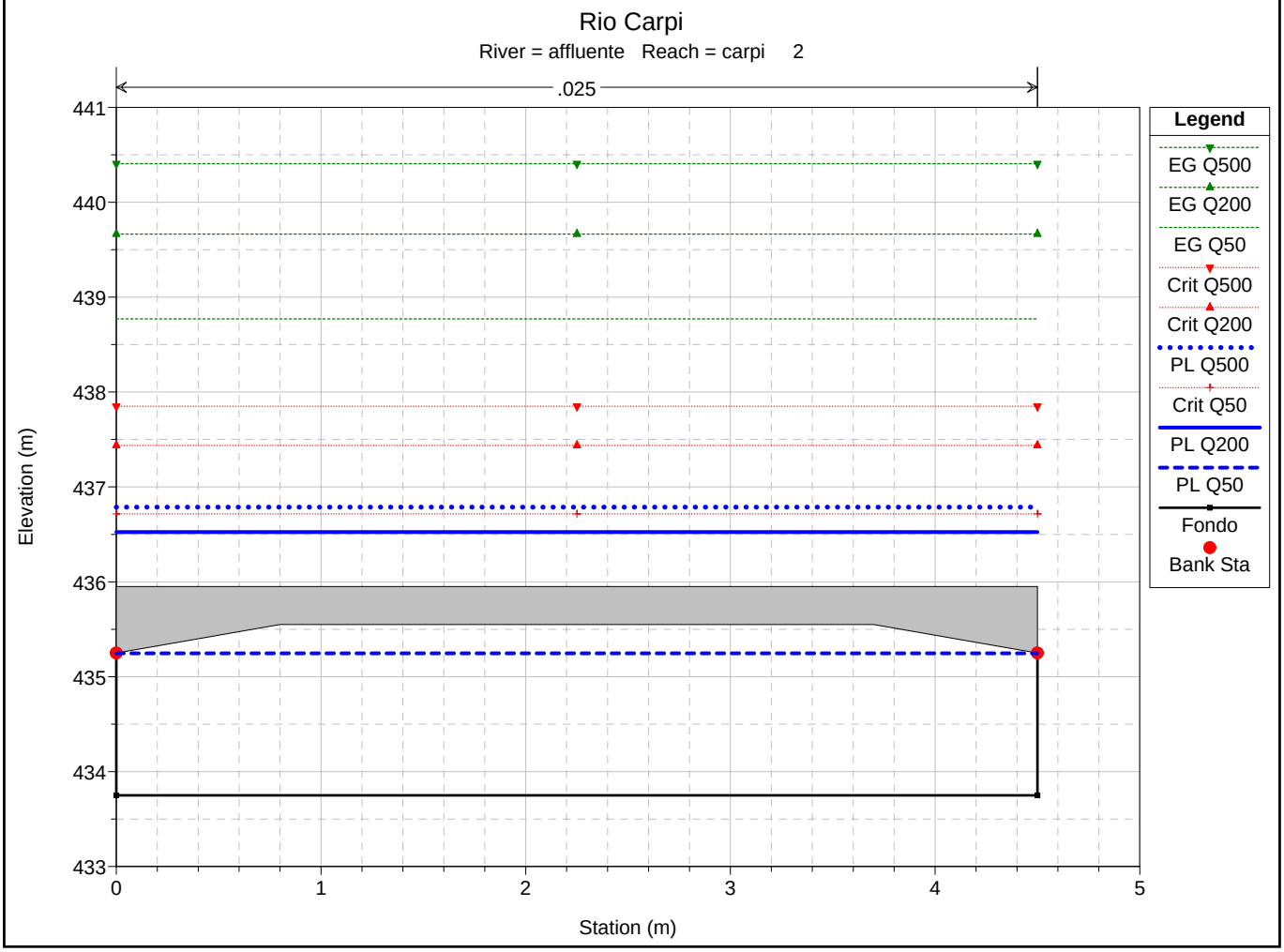

Rio Carpi
River = affluente Reach = carpi 6.5
.025
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
446
445
444
443
442
441
440
439
438
437
0
1
2
3
4
5

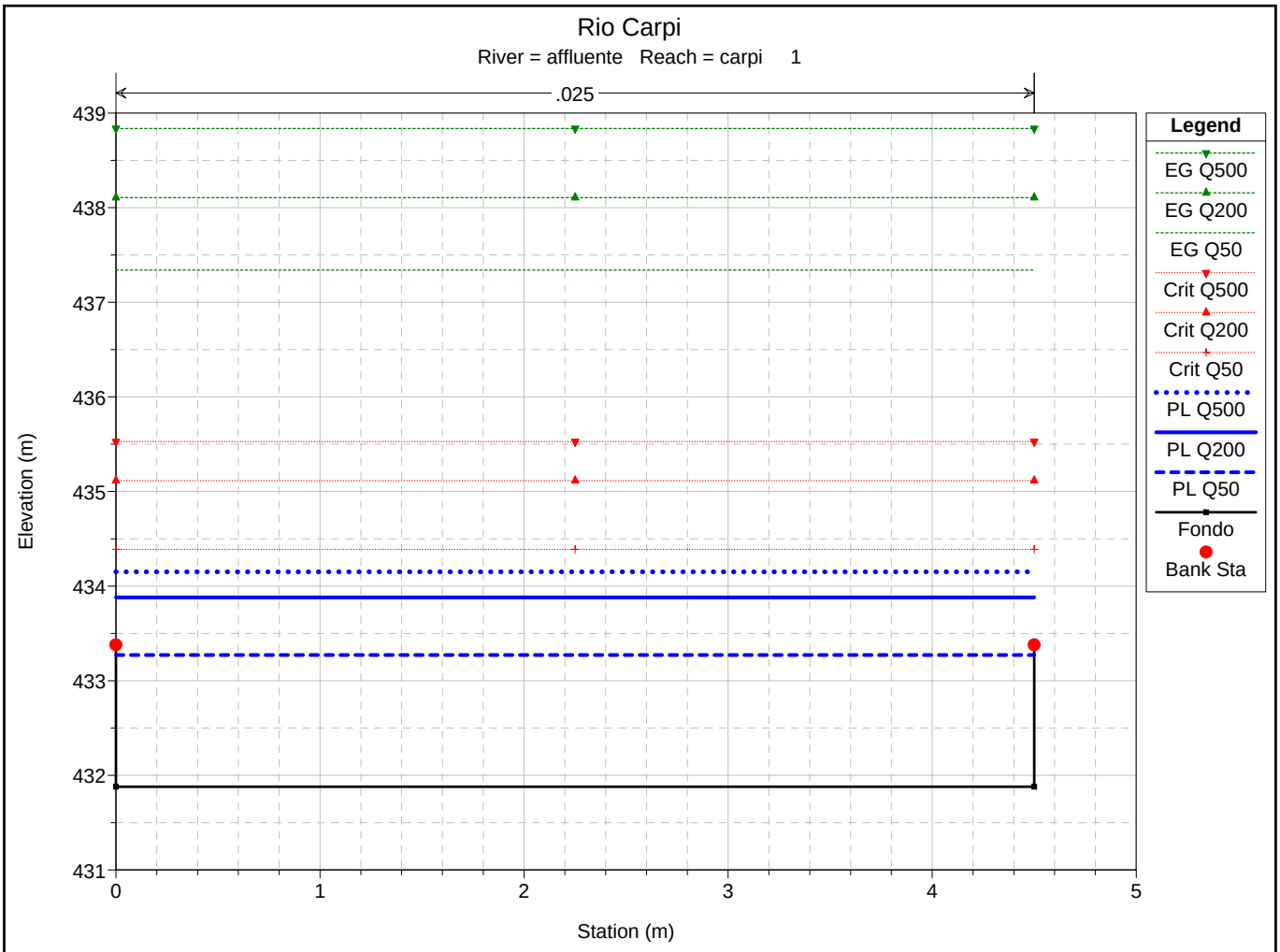

Rio Carpi
River = affluente Reach = carpi 6.5
.025
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
445
444
443
442
441
440
439
438
437
0
1
2
3
4
5


Rio Carpi
River = affluente Reach = carpi 5
.025
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
445
444
443
442
441
440
439
438
437
0
1
2
3
4


Rio Carpi
River = affluente Reach = carpi 4
.025
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
445
444
443
442
441
440
439
438
437
0
1
2
3
4


Rio Carpi
River = affluente Reach = carpi 3
.025
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Rio Carpi
River = affluente Reach = carpi 2
.025
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

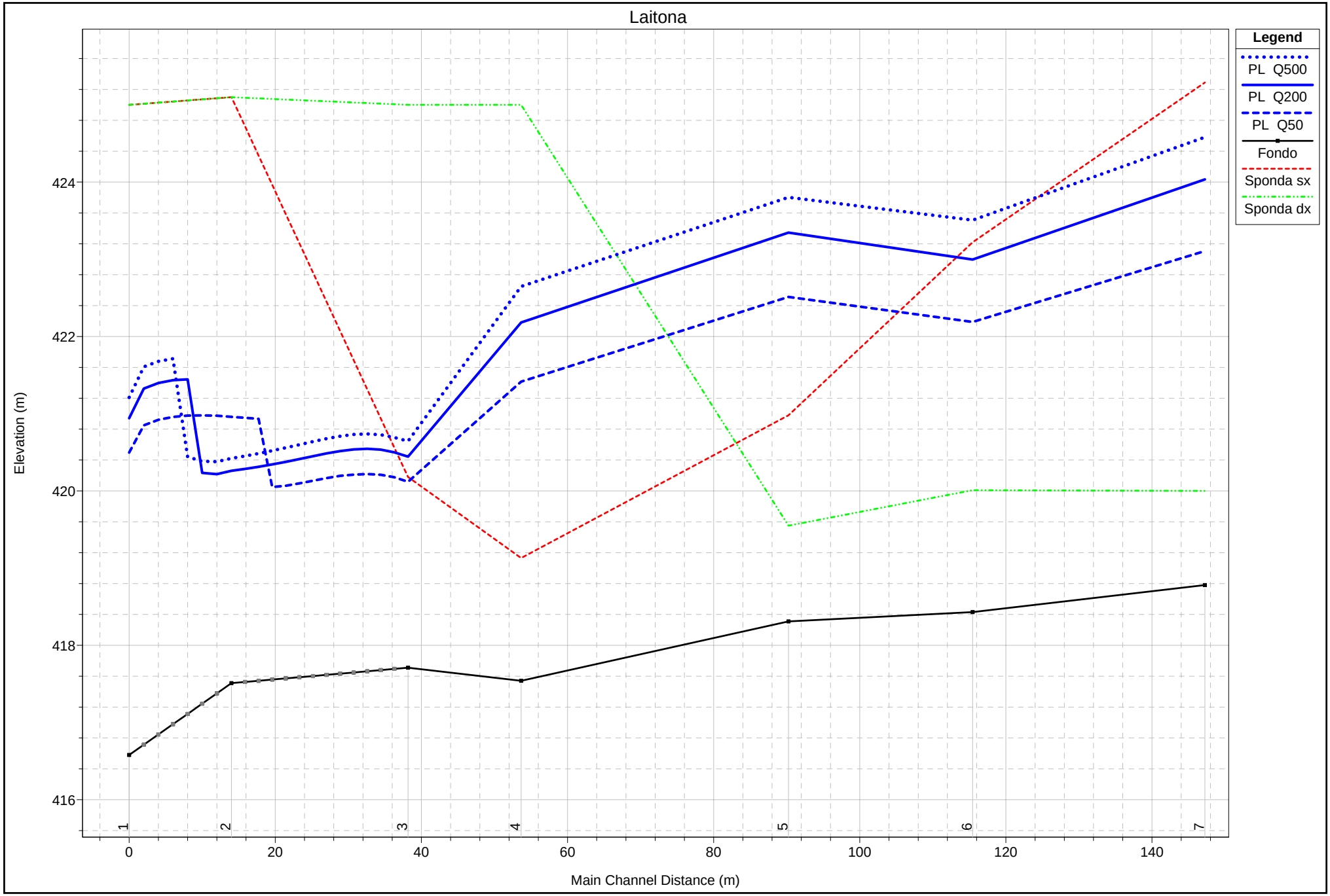

Rio Carpi
River = affluente Reach = carpi 1
.025
Elevation (m)
439
438
437
436
435
434
433
432
431
0
1
2
3
4
5
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

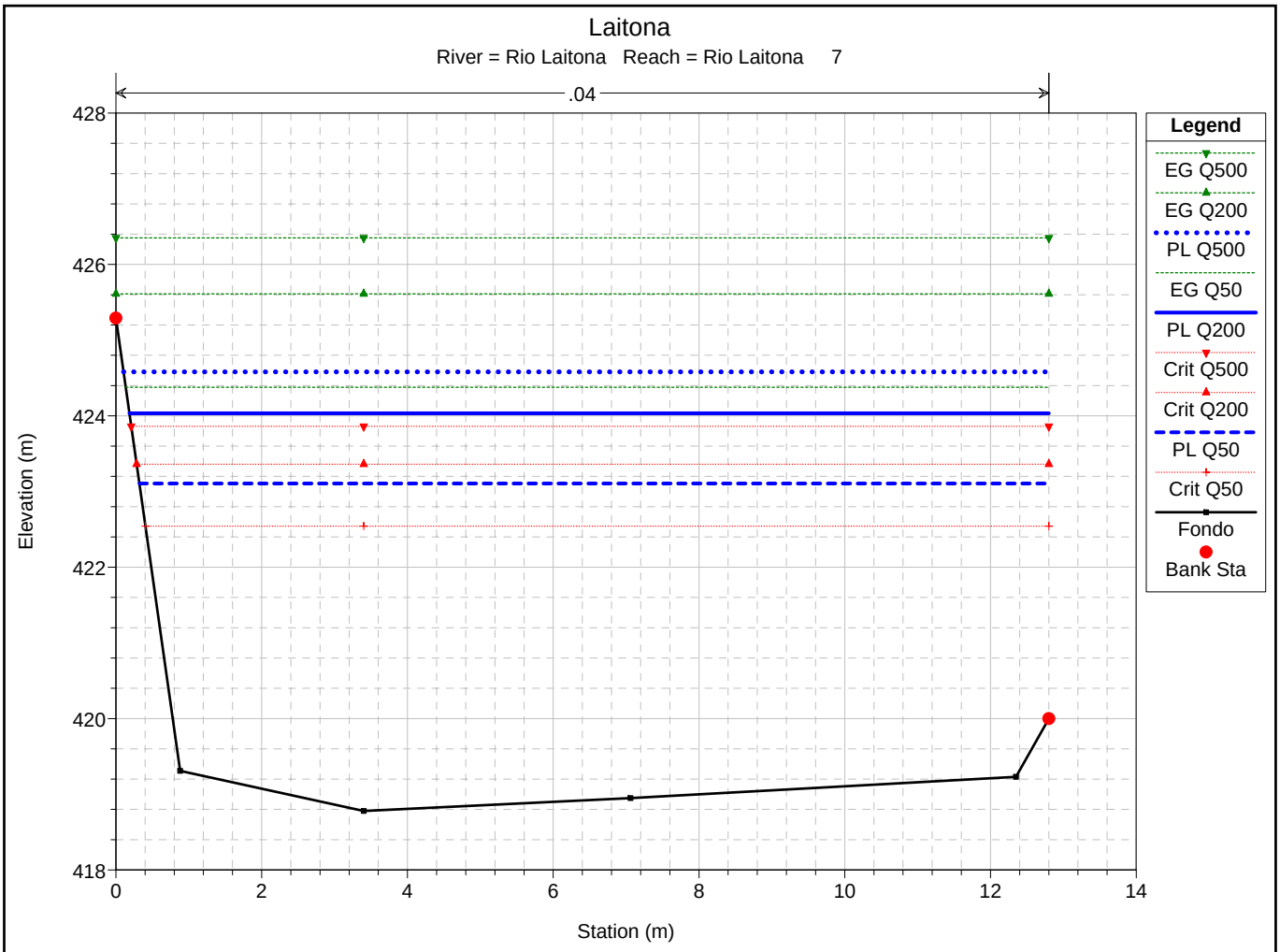
HEC-RAS Plan: Rio Carpi River: affluente Reach: carpi

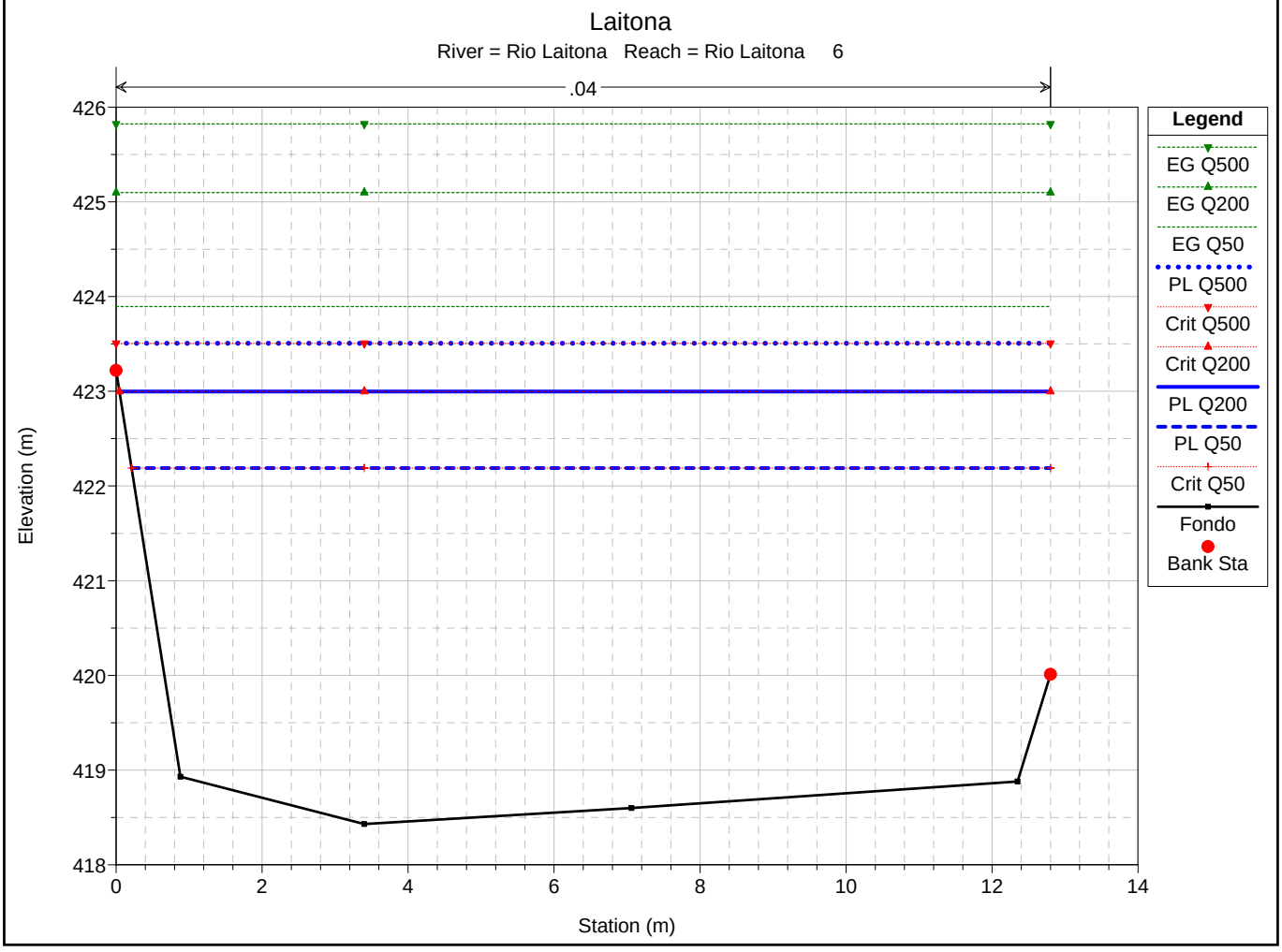
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
carpi	140 fittizia	Q50	56.00	438.24	442.93	441.59	-1.34	441.59	-1.34	440.82	443.32	0.002874	2.78	20.16	4.30	0.41
carpi	140 fittizia	Q200	82.00	438.24	444.20	441.59	-2.61	441.59	-2.61	441.57	444.72	0.003472	3.20	25.64	4.30	0.42
carpi	140 fittizia	Q500	98.00	438.24	444.90	441.59	-3.31	441.59	-3.31	441.98	445.49	0.003833	3.42	28.63	4.30	0.42
carpi	130 6.5	Q50	56.00	437.98	442.93	441.33	-1.60	441.33	-1.60	440.56	443.28	0.002522	2.63	21.29	4.30	0.38
carpi	130 6.5	Q200	82.00	437.98	444.20	441.33	-2.87	441.33	-2.87	441.32	444.68	0.003145	3.07	26.75	4.30	0.39
carpi	130 6.5	Q500	98.00	437.98	444.89	441.33	-3.56	441.33	-3.56	441.74	445.44	0.003515	3.30	29.72	4.30	0.40
carpi	125 6.5		Bridge													
carpi	120 6.5	Q50	56.00	437.98	442.39	441.33	-1.06	441.33	-1.06		442.83	0.003341	2.96	18.95	4.30	0.45
carpi	120 6.5	Q200	82.00	437.98	443.44	441.33	-2.11	441.33	-2.11		444.06	0.004270	3.49	23.49	4.30	0.48
carpi	120 6.5	Q500	98.00	437.98	444.03	441.33	-2.70	441.33	-2.70		444.76	0.004786	3.76	26.03	4.30	0.49
carpi	110 5	Q50	56.00	437.63	442.33	440.83	-1.50	438.93	-3.40		442.78	0.003528	2.98	18.81	4.00	0.44
carpi	110 5	Q200	82.00	437.63	443.34	440.83	-2.51	438.93	-4.41		444.00	0.004768	3.59	22.85	4.00	0.48
carpi	110 5	Q500	98.00	437.63	443.90	440.83	-3.07	438.93	-4.97		444.68	0.005474	3.91	25.09	4.00	0.50
carpi	101 4	Q50	56.00	437.34	442.33	440.54	-1.79	438.64	-3.69		442.73	0.003059	2.81	19.96	4.00	0.40
carpi	101 4	Q200	82.00	437.34	443.33	440.54	-2.79	438.64	-4.69		443.93	0.004259	3.42	23.98	4.00	0.45
carpi	101 4	Q500	98.00	437.34	443.89	440.54	-3.35	438.64	-5.25		444.60	0.004952	3.74	26.20	4.00	0.47
carpi	100 3	Q50	56.00	437.34	441.28	439.29	-1.99	439.29	-1.99	441.28	442.64	0.027707	5.16	10.86	4.00	0.85
carpi	100 3	Q200	82.00	437.34	442.07	439.29	-2.78	439.29	-2.78	442.07	443.81	0.025486	5.86	14.00	4.00	0.87
carpi	100 3	Q500	98.00	437.34	442.51	439.29	-3.22	439.29	-3.22	442.51	444.48	0.024480	6.21	15.77	4.00	0.89
carpi	50 2	Q50	56.00	433.75	435.25	435.25	0.00	435.25	0.00	436.72	438.77	0.049860	8.32	6.73	4.50	2.17
carpi	50 2	Q200	82.00	433.75	436.52	435.25	-1.27	435.25	-1.27	437.44	439.66	0.071515	7.85	10.44	4.50	1.50
carpi	50 2	Q500	98.00	433.75	436.79	435.25	-1.54	435.25	-1.54	437.85	440.41	0.071430	8.43	11.63	4.50	1.54
carpi	40 1	Q50	56.00	431.88	433.27	433.38	0.11	433.38	0.11	434.39	437.34	0.061011	8.94	6.27	4.50	2.42
carpi	40 1	Q200	82.00	431.88	433.88	433.38	-0.50	433.38	-0.50	435.11	438.11	0.048009	9.11	9.00	4.50	2.05
carpi	40 1	Q500	98.00	431.88	434.15	433.38	-0.77	433.38	-0.77	435.53	438.84	0.048829	9.59	10.22	4.50	2.03

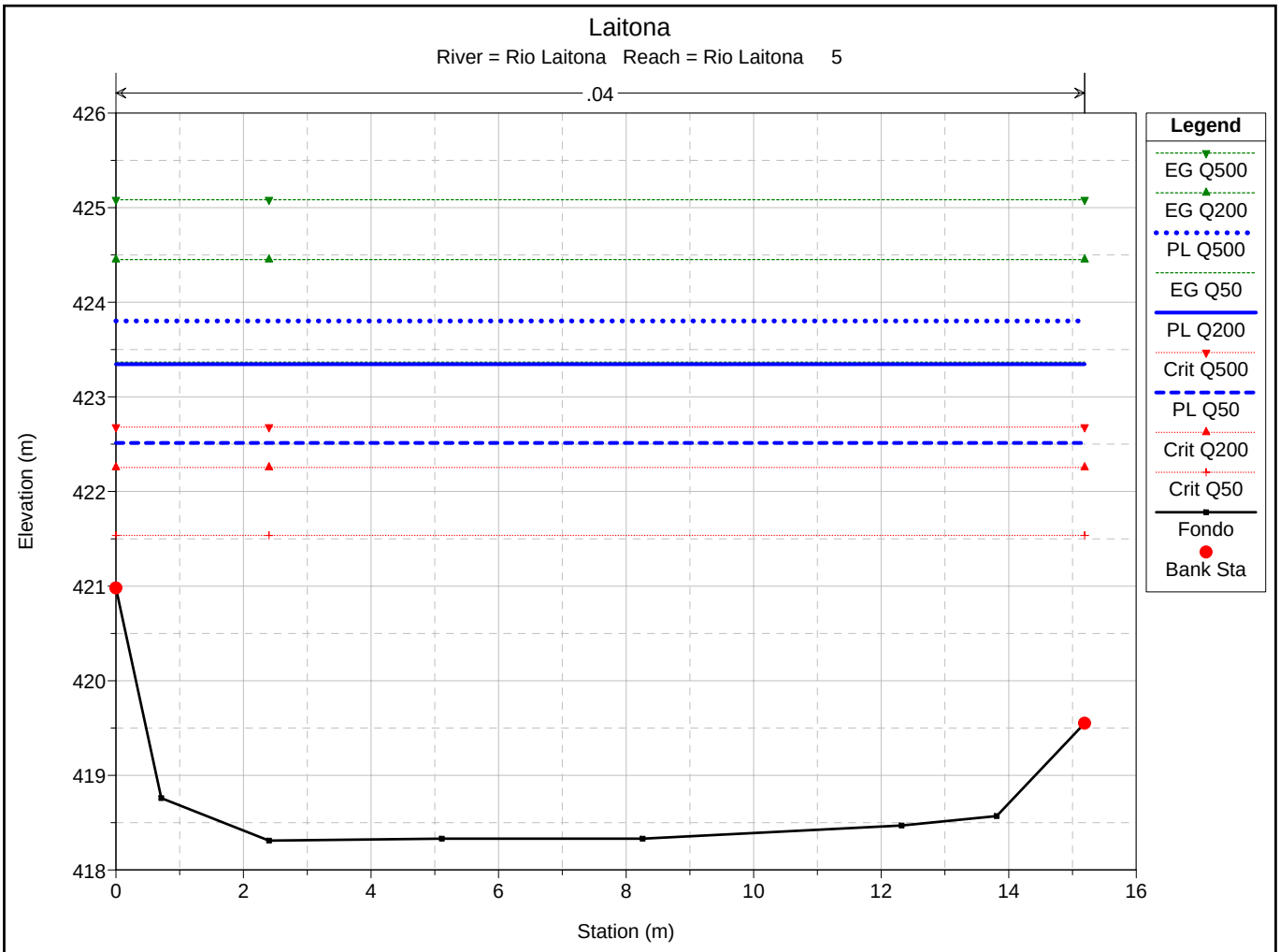
Rio Laitona

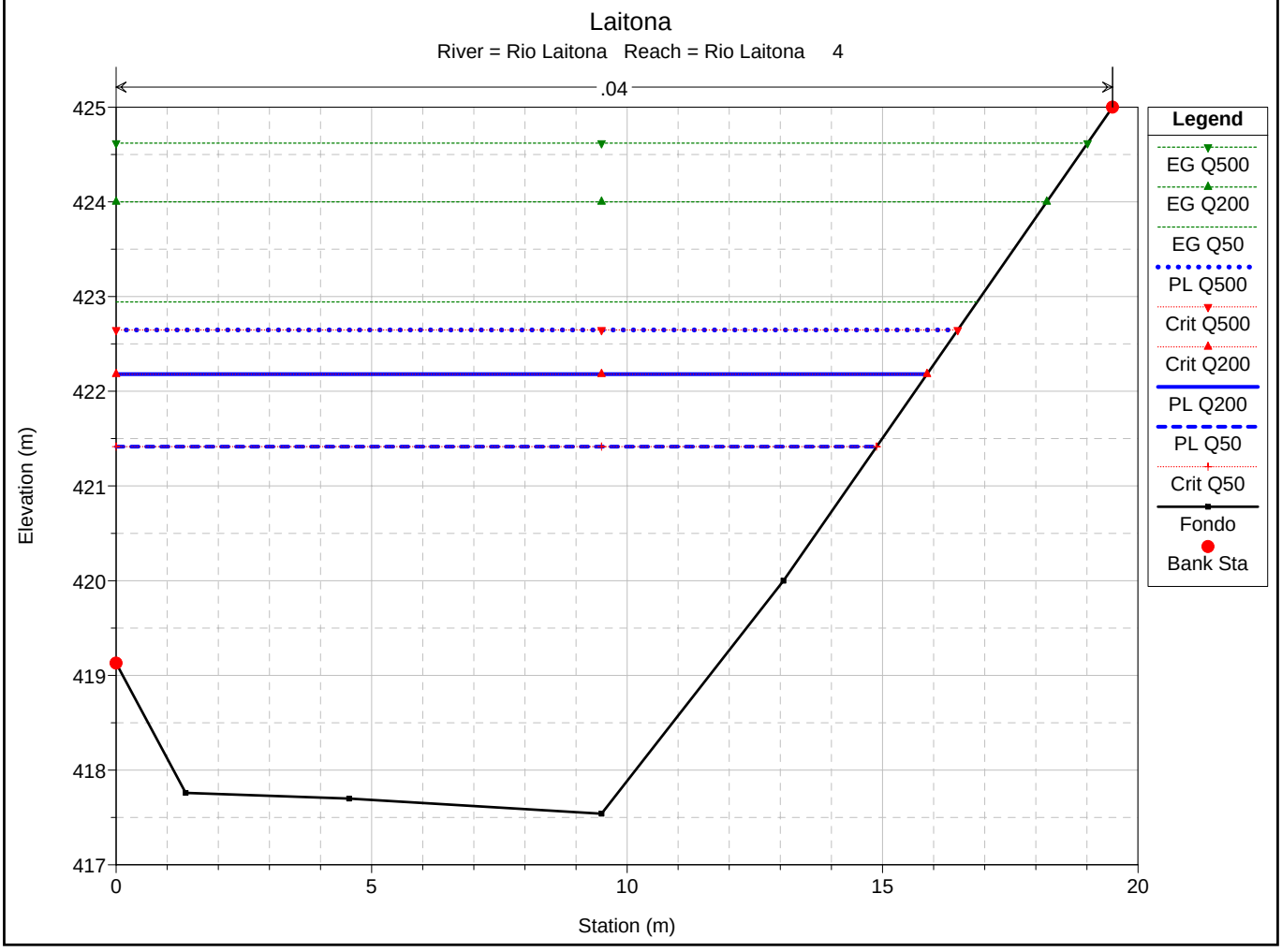
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

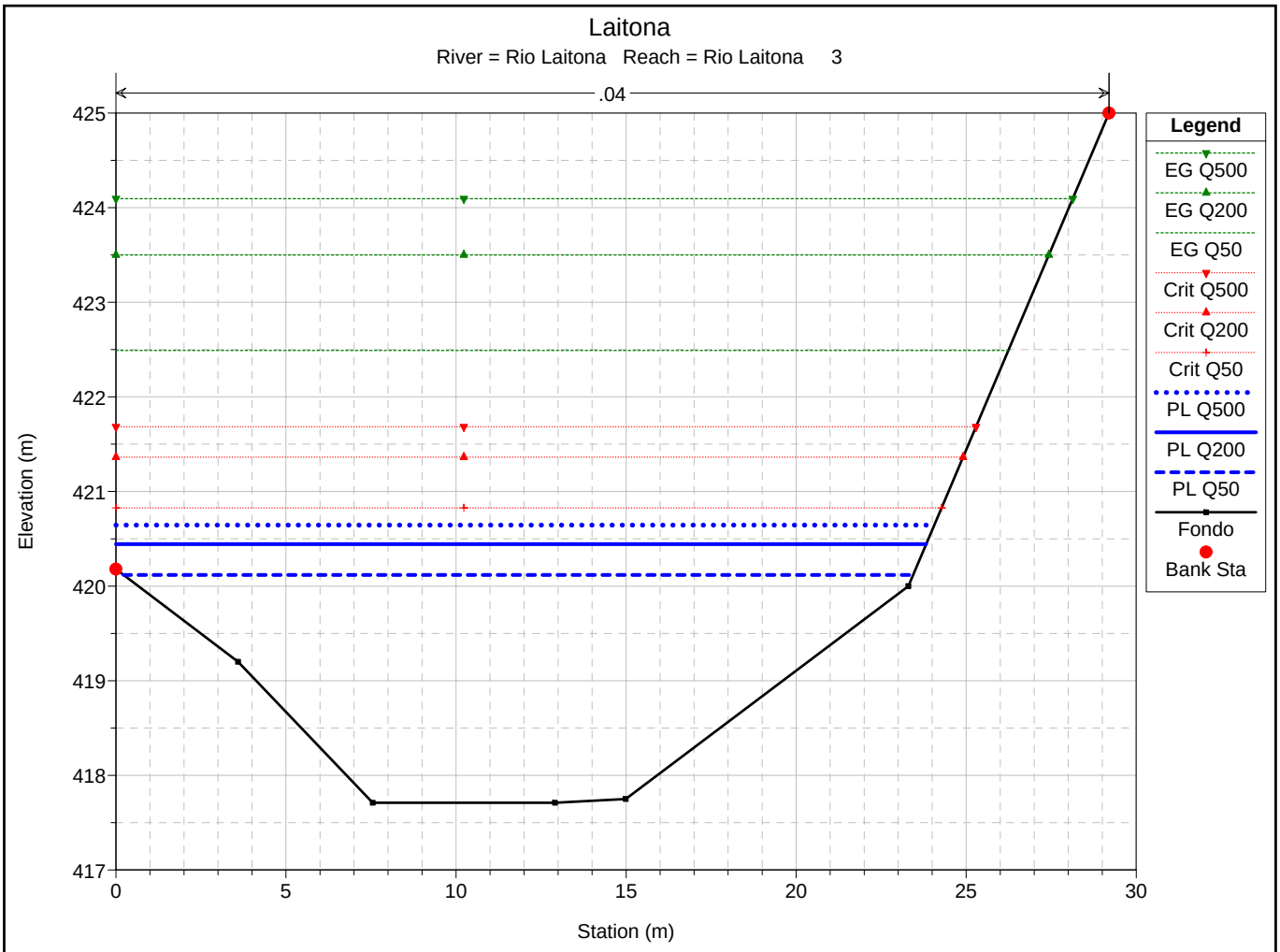

Laitona
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
424
422
420
418
416
0
20
40
60
80
100
120
140
Main Channel Distance (m)
1
2
3
4
5
6
7

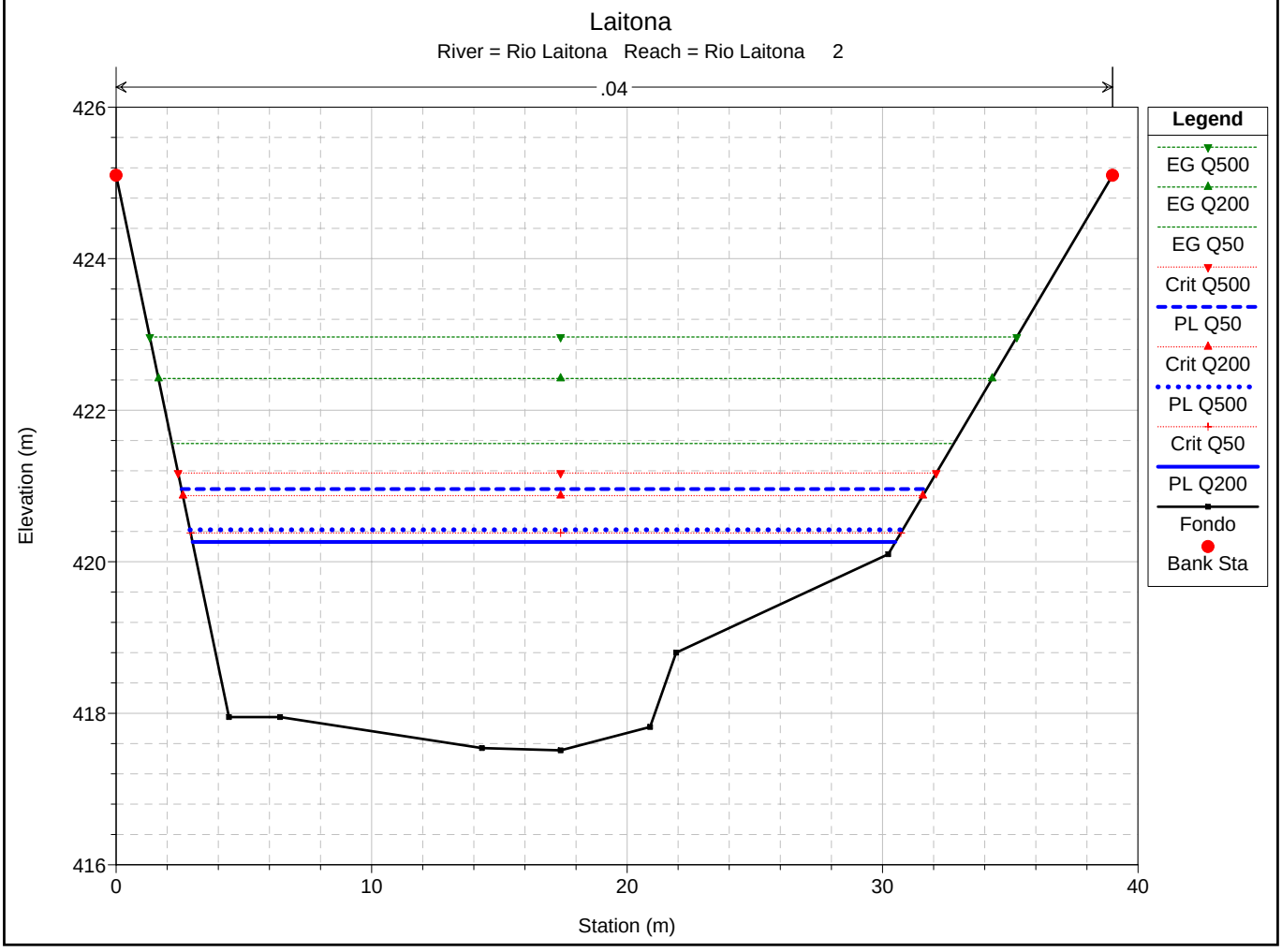

Laitona
River = Rio Laitona Reach = Rio Laitona 7
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

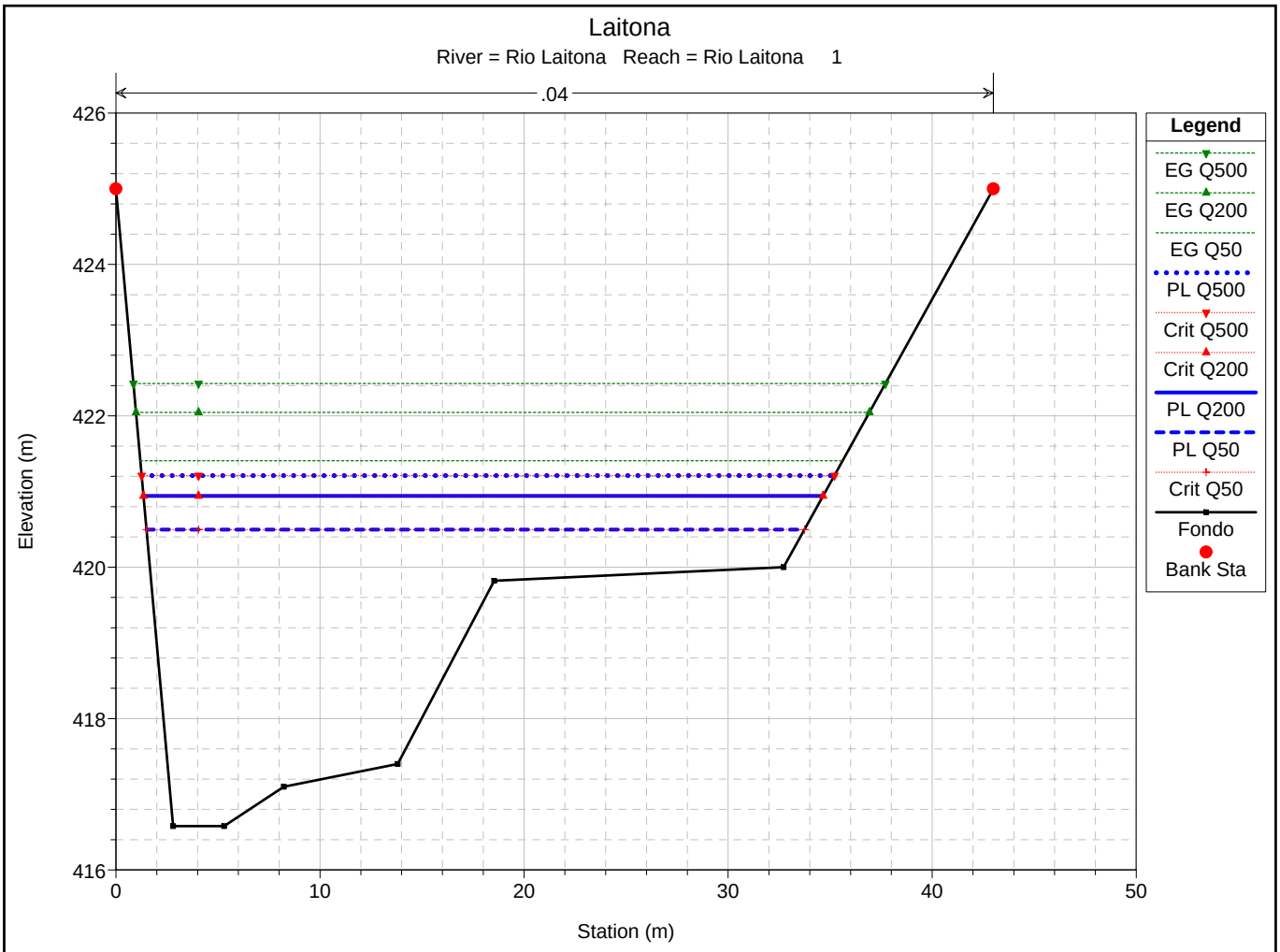

Laitona
River = Rio Laitona Reach = Rio Laitona 6
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Laitona
River = Rio Laitona Reach = Rio Laitona 5
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta


Laitona
River = Rio Laitona Reach = Rio Laitona 4
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Laitona
River = Rio Laitona Reach = Rio Laitona 3
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Laitona
River = Rio Laitona Reach = Rio Laitona 2
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
PL Q500
Crit Q50
PL Q200
Fondo
Bank Sta

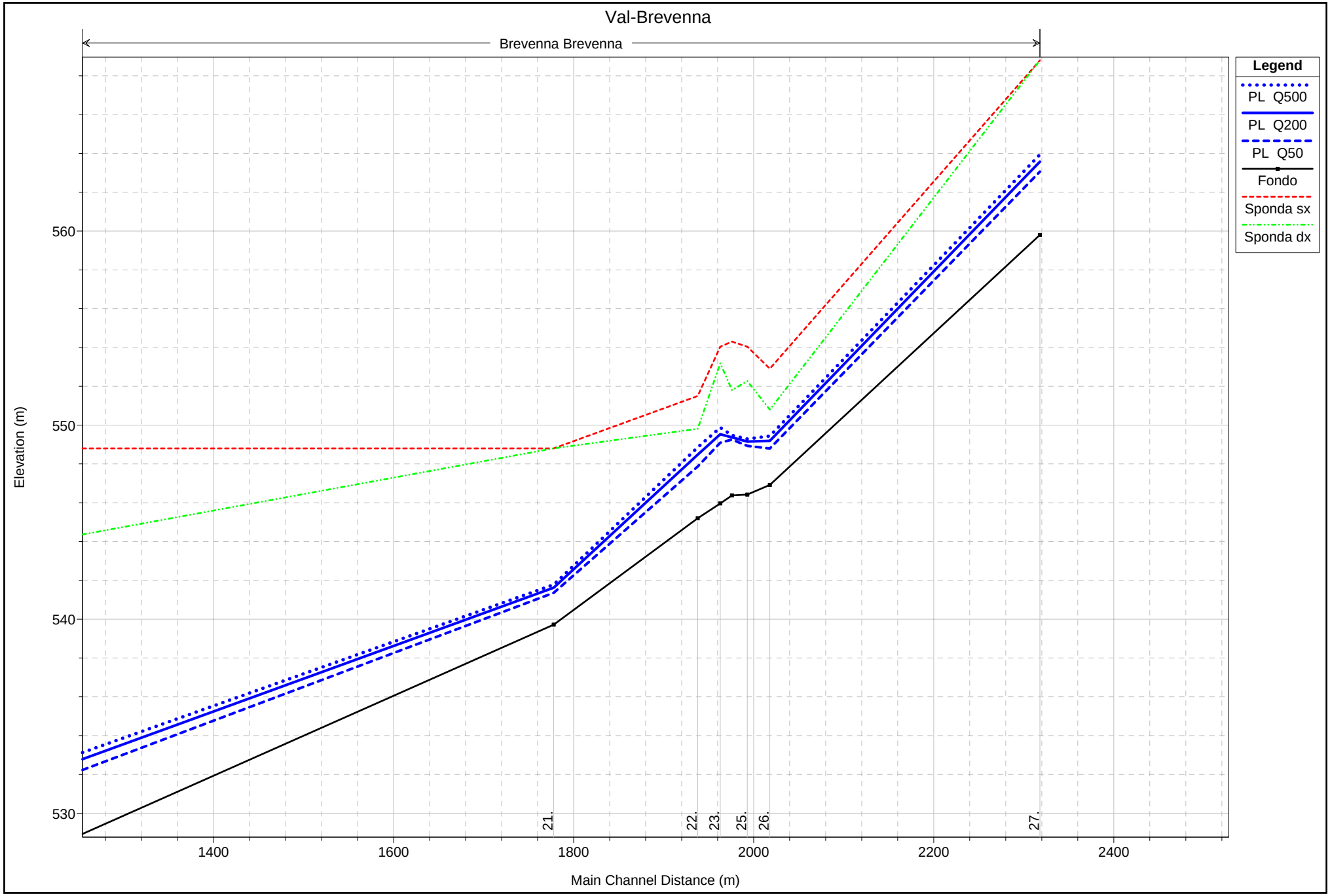

Laitona
River = Rio Laitona Reach = Rio Laitona 1
.04
Elevation (m)
426
424
422
420
418
416
0
10
20
30
40
50
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

HEC-RAS Plan: Rio Laitona River: Rio Laitona Reach: Rio Laitona

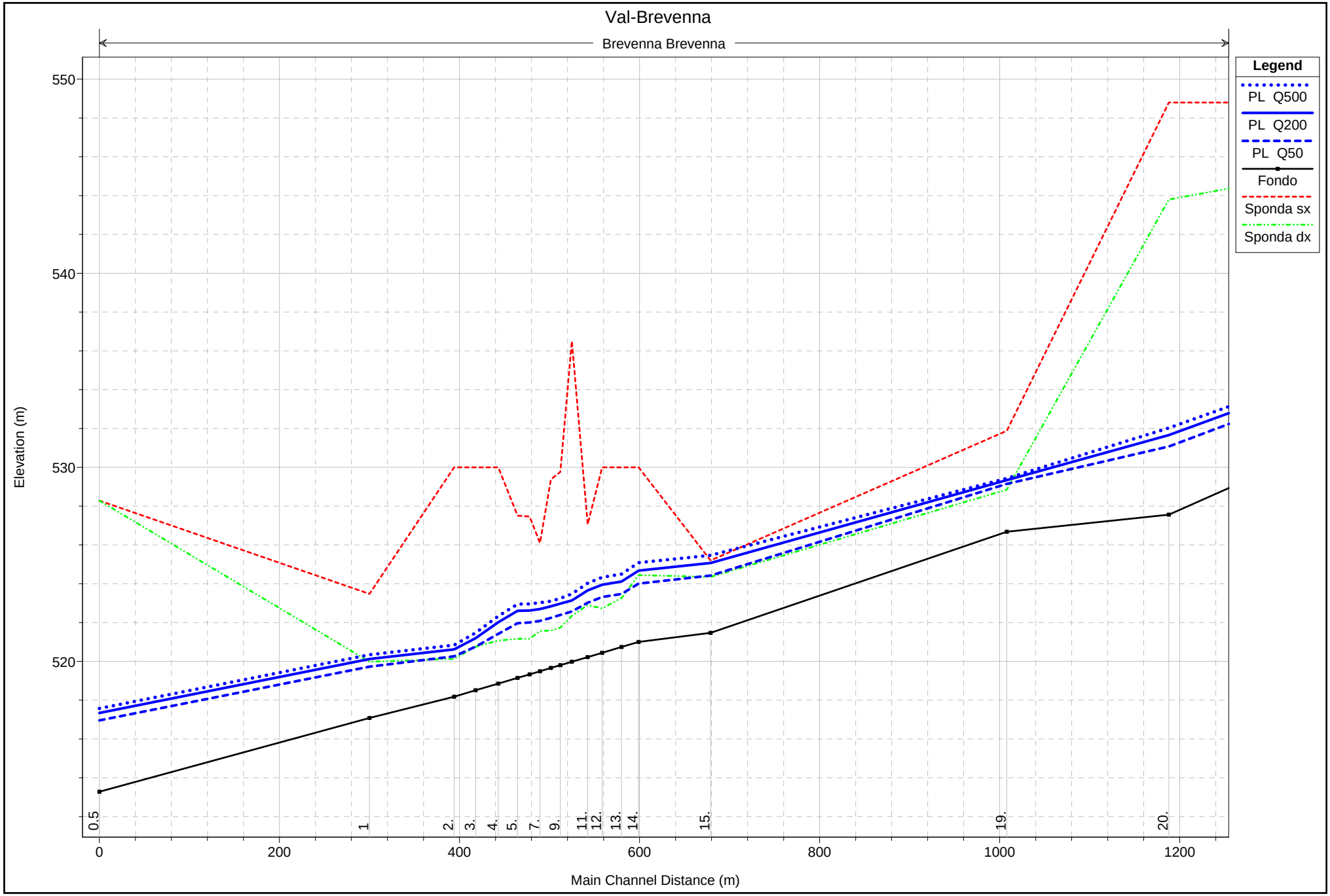
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Rio Laitona	7 7	Q50	248.00	418.78	423.11	425.29	2.18	420.00	-3.11	422.54	424.38	0.011391	5.00	49.64	12.48	0.80
Rio Laitona	7 7	Q200	341.00	418.78	424.03	425.29	1.26	420.00	-4.03	423.36	425.61	0.012062	5.56	61.28	12.62	0.81
Rio Laitona	7 7	Q500	402.00	418.78	424.58	425.29	0.71	420.00	-4.58	423.86	426.35	0.012550	5.89	68.20	12.70	0.81
Rio Laitona	6 6	Q50	248.00	418.43	422.19	423.22	1.03	420.01	-2.18	422.19	423.89	0.017171	5.79	42.85	12.59	1.00
Rio Laitona	6 6	Q200	341.00	418.43	423.00	423.22	0.22	420.01	-2.99	423.00	425.10	0.017810	6.42	53.10	12.75	1.00
Rio Laitona	6 6	Q500	402.00	418.43	423.51	423.22	-0.29	420.01	-3.50	423.51	425.82	0.017991	6.74	59.62	12.80	1.00
Rio Laitona	5 5	Q50	248.00	418.31	422.51	420.98	-1.53	419.55	-2.96	421.54	423.37	0.006827	4.10	60.55	15.19	0.65
Rio Laitona	5 5	Q200	341.00	418.31	423.35	420.98	-2.37	419.55	-3.80	422.25	424.45	0.007570	4.66	73.19	15.19	0.68
Rio Laitona	5 5	Q500	402.00	418.31	423.80	420.98	-2.82	419.55	-4.25	422.68	425.08	0.008185	5.02	80.14	15.19	0.70
Rio Laitona	4 4	Q50	248.00	417.54	421.41	419.13	-2.28	425.00	3.59	421.41	422.94	0.015072	5.48	45.28	14.88	1.00
Rio Laitona	4 4	Q200	341.00	417.54	422.18	419.13	-3.05	425.00	2.82	422.18	424.00	0.015070	5.97	57.07	15.87	1.01
Rio Laitona	4 4	Q500	402.00	417.54	422.65	419.13	-3.52	425.00	2.35	422.65	424.62	0.014939	6.22	64.61	16.47	1.00
Rio Laitona	3 3	Q50	248.00	417.71	420.12	420.18	0.06	425.00	4.88	420.83	422.49	0.042721	6.82	36.34	23.21	1.74
Rio Laitona	3 3	Q200	341.00	417.71	420.44	420.18	-0.26	425.00	4.56	421.36	423.50	0.045031	7.75	44.02	23.82	1.82
Rio Laitona	3 3	Q500	402.00	417.71	420.64	420.18	-0.46	425.00	4.36	421.68	424.10	0.045474	8.23	48.84	24.06	1.84
Rio Laitona	2 2	Q50	248.00	417.51	420.96	425.10	4.14	425.10	4.14	420.38	421.56	0.006270	3.43	72.21	29.17	0.70
Rio Laitona	2 2	Q200	341.00	417.51	420.26	425.10	4.84	425.10	4.84	420.87	422.42	0.031304	6.51	52.40	27.51	1.51
Rio Laitona	2 2	Q500	402.00	417.51	420.42	425.10	4.68	425.10	4.68	421.17	422.97	0.033885	7.07	56.87	27.89	1.58
Rio Laitona	1 1	Q50	248.00	416.58	420.50	425.00	4.50	425.00	4.50	420.50	421.41	0.014811	4.23	58.67	32.24	1.00
Rio Laitona	1 1	Q200	341.00	416.58	420.94	425.00	4.06	425.00	4.06	420.94	422.05	0.014115	4.66	73.23	33.30	1.00
Rio Laitona	1 1	Q500	402.00	416.58	421.21	425.00	3.79	425.00	3.79	421.21	422.43	0.013731	4.89	82.28	33.95	1.00

Torrente Brevenna *(monte)*

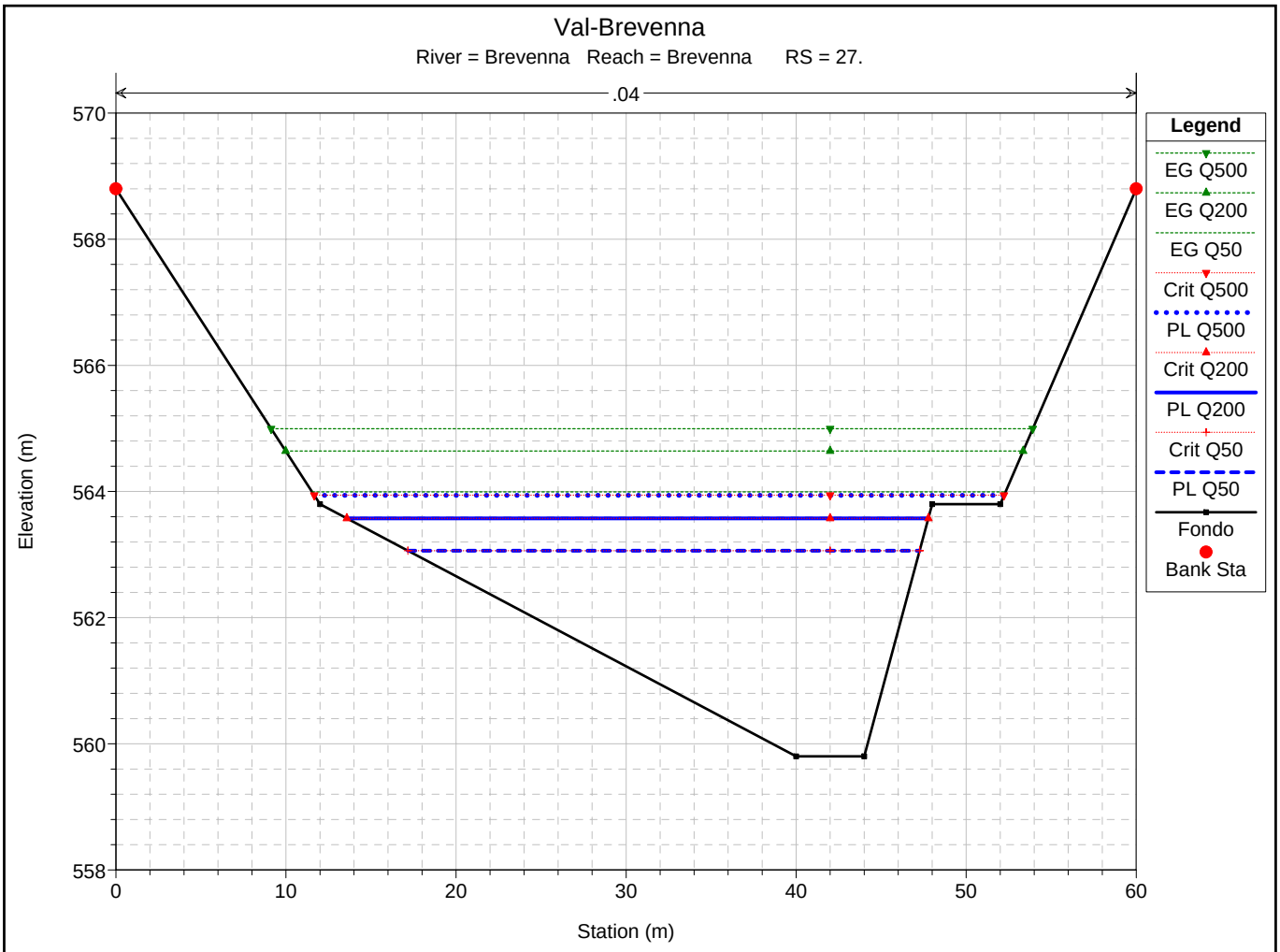
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

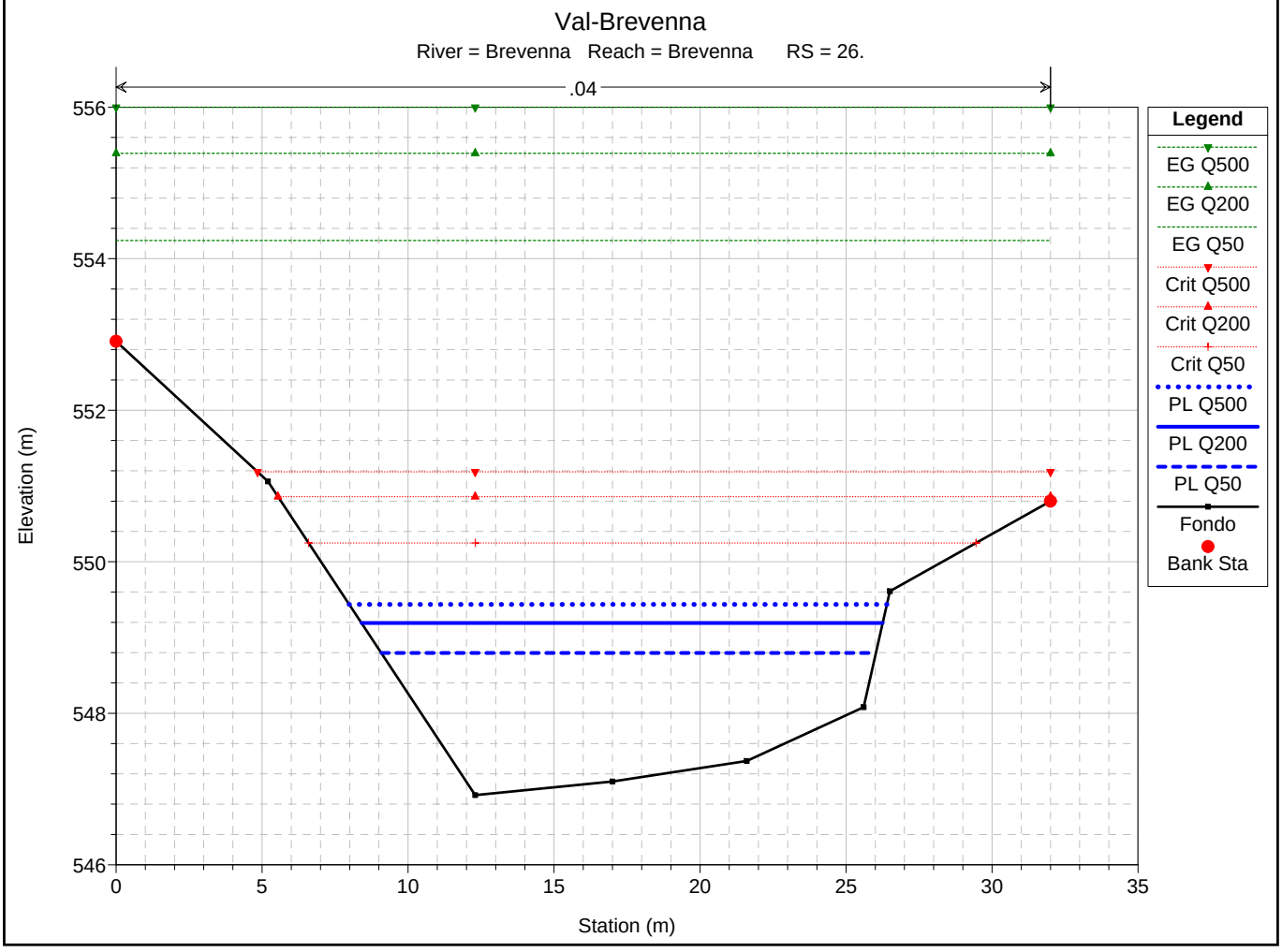


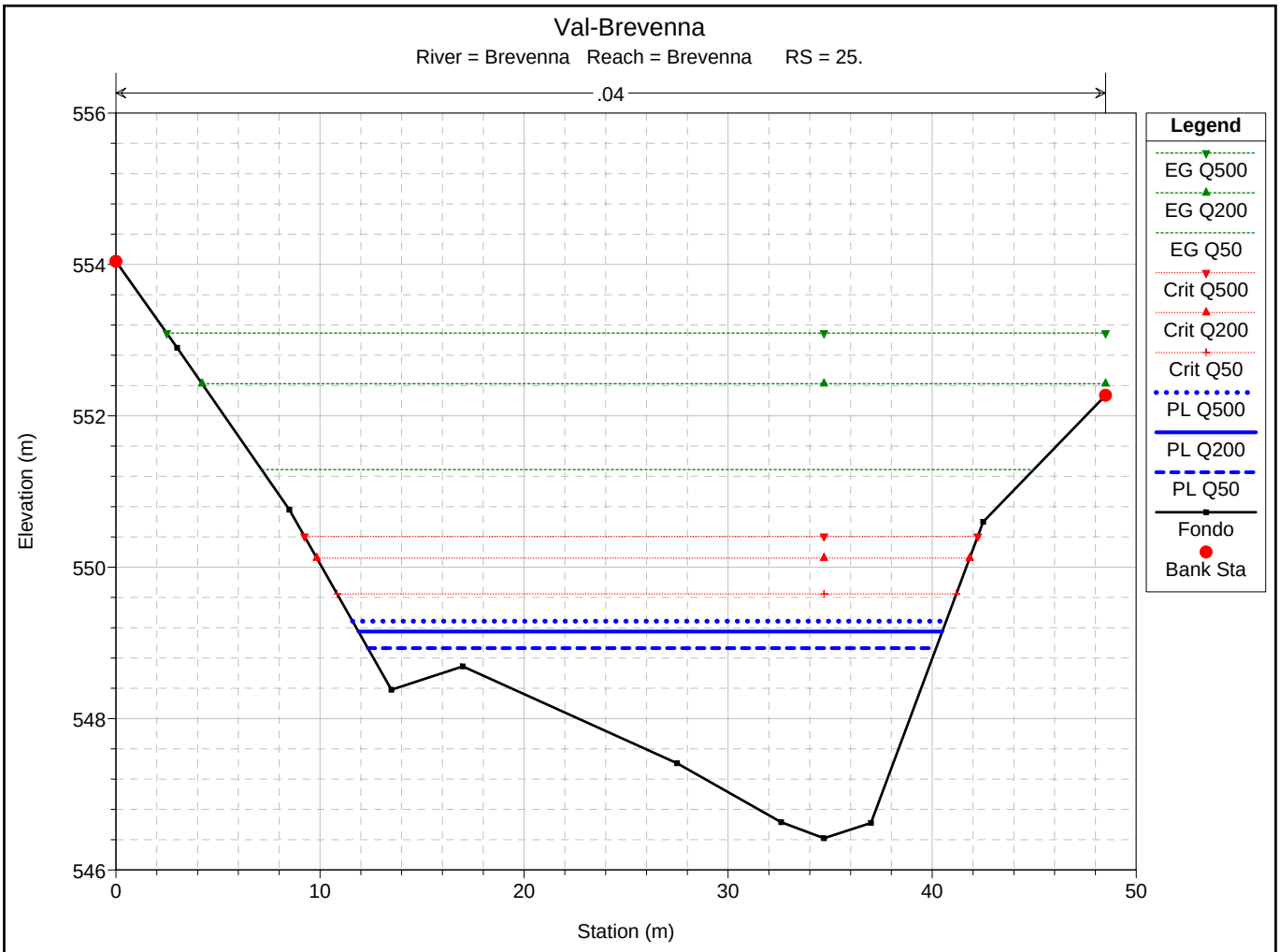
1 cm Horiz. = 55 m 1 cm Vert. = 2.55 m

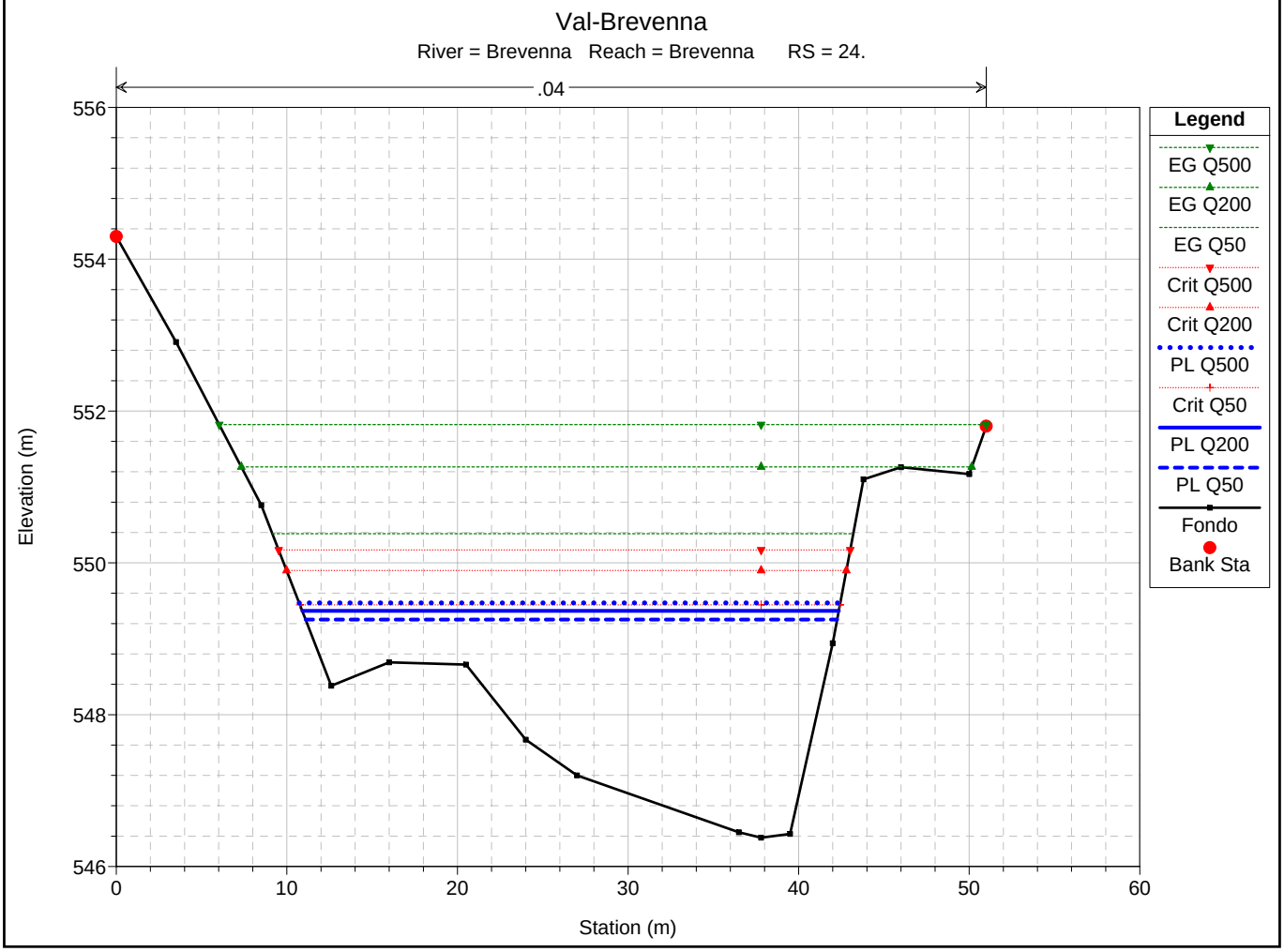


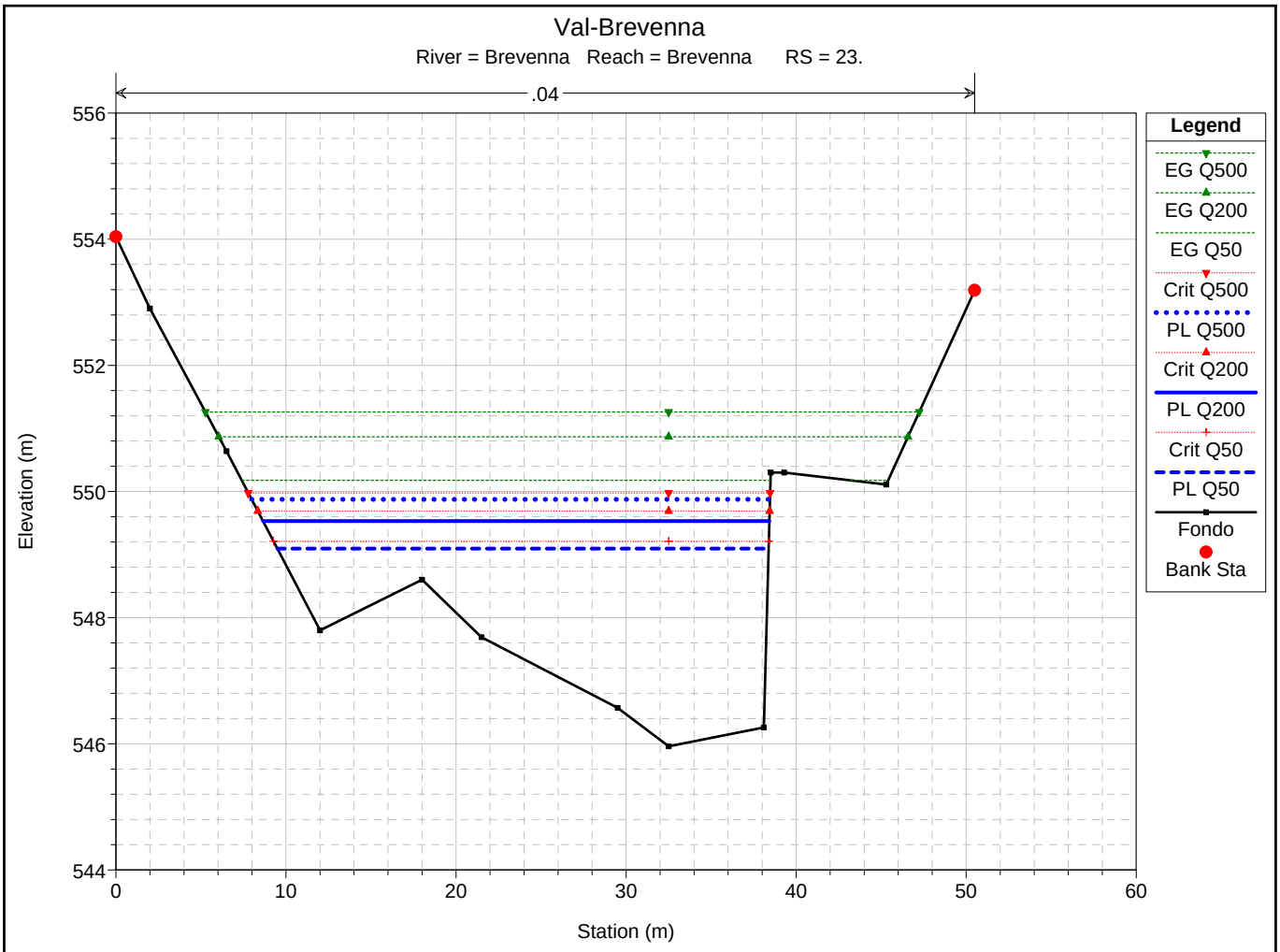
1 cm Horiz. = 55 m 1 cm Vert. = 2.55 m

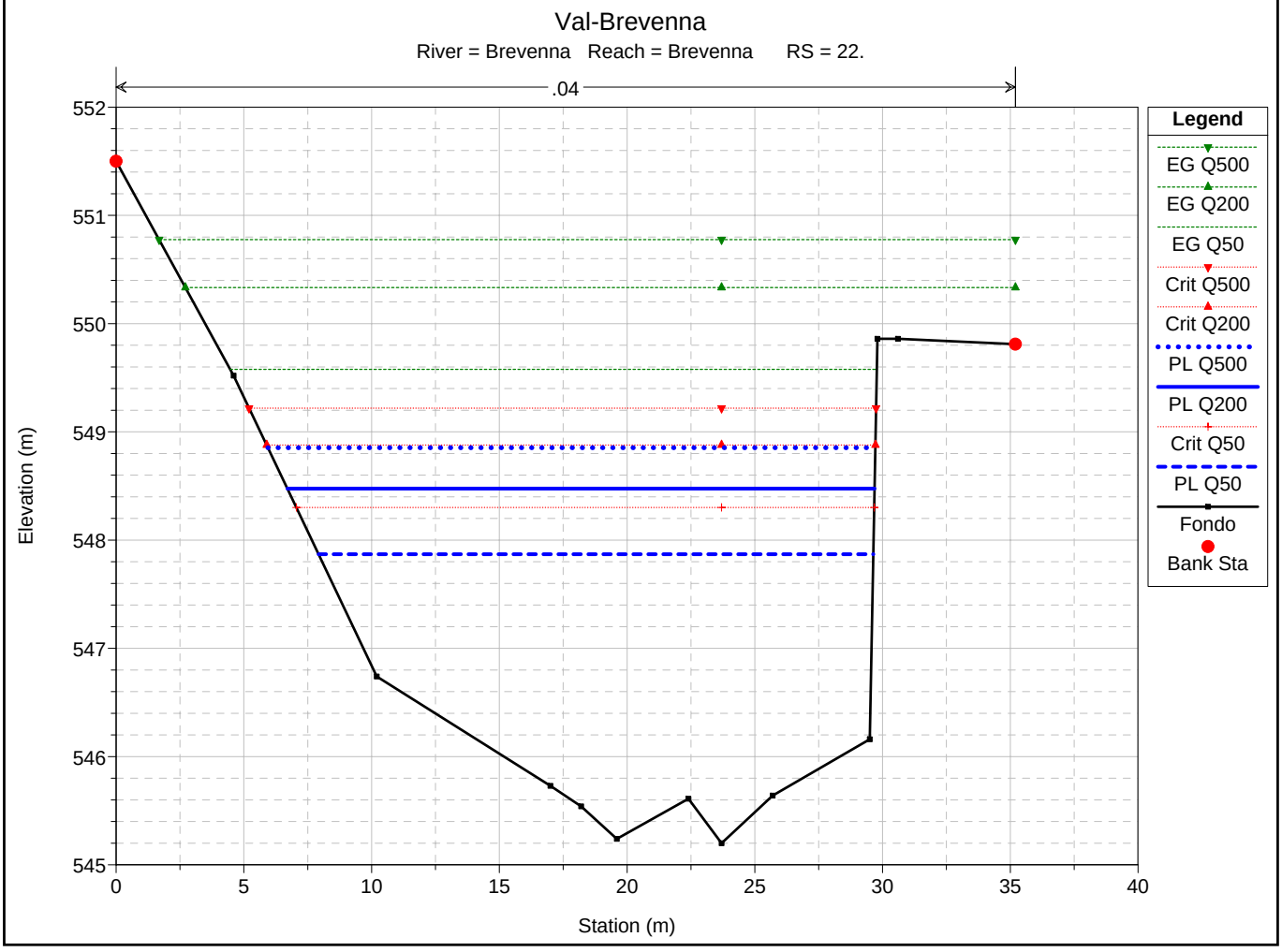

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 27.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

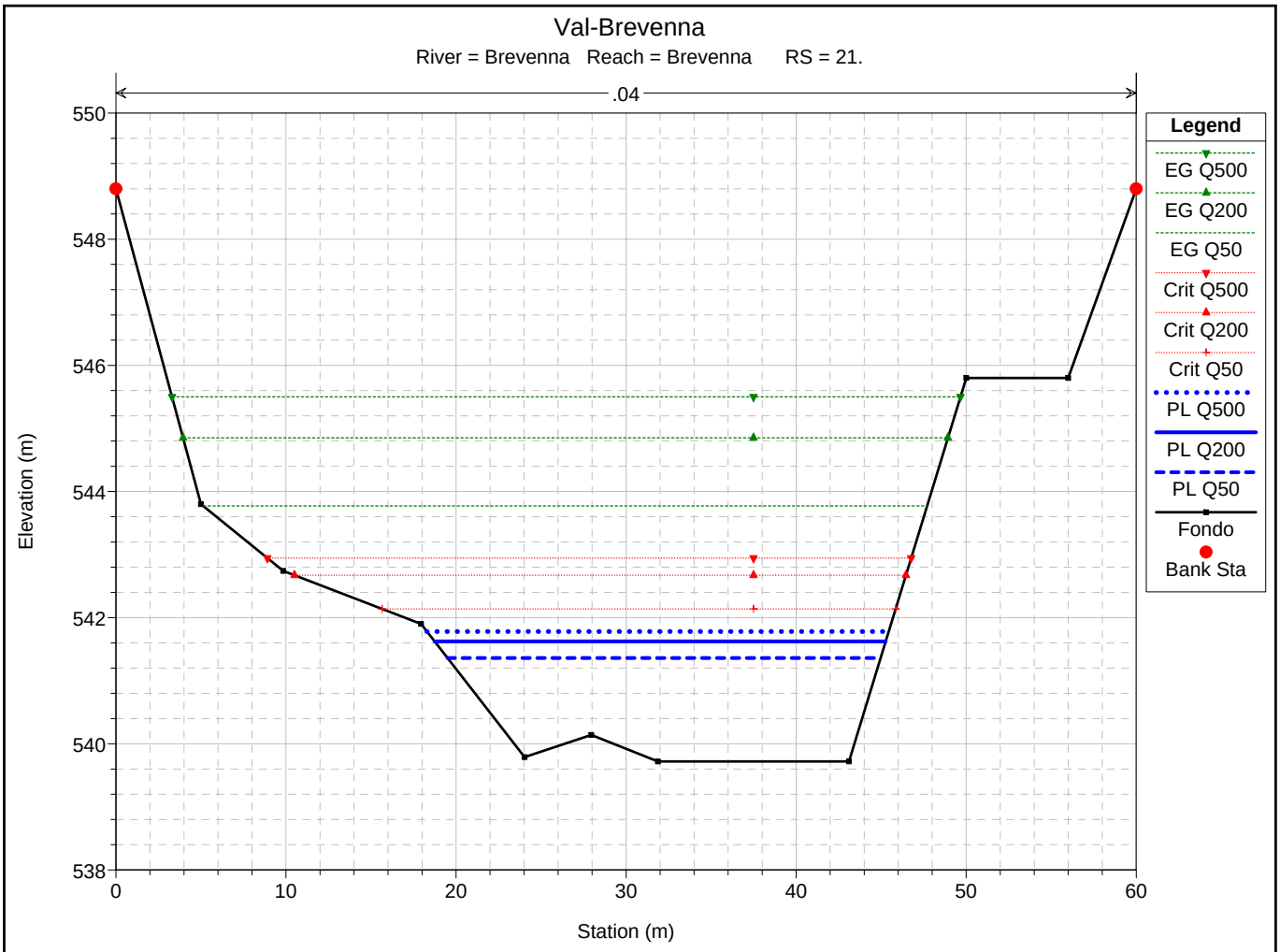

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 26.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

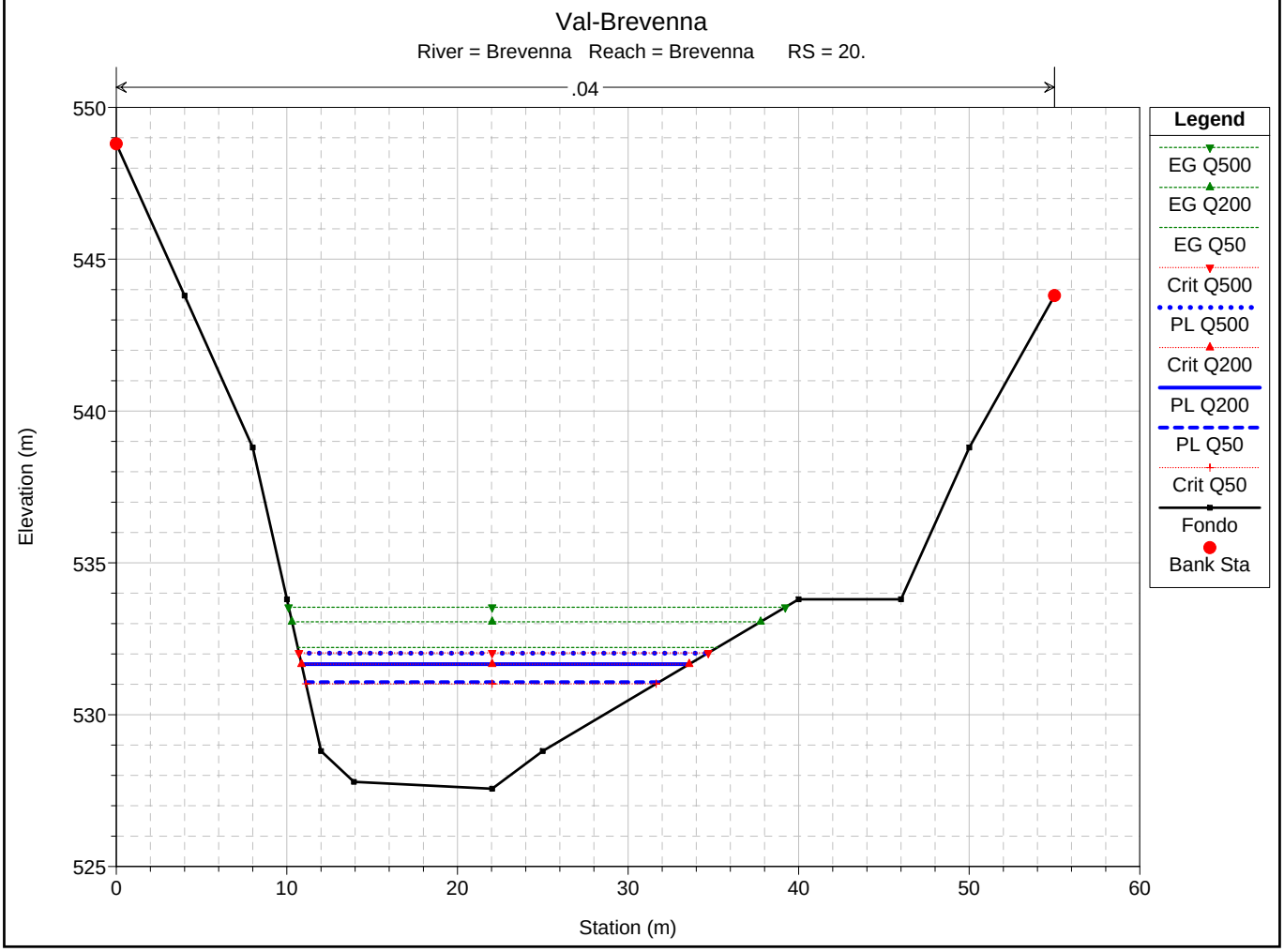

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 25.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

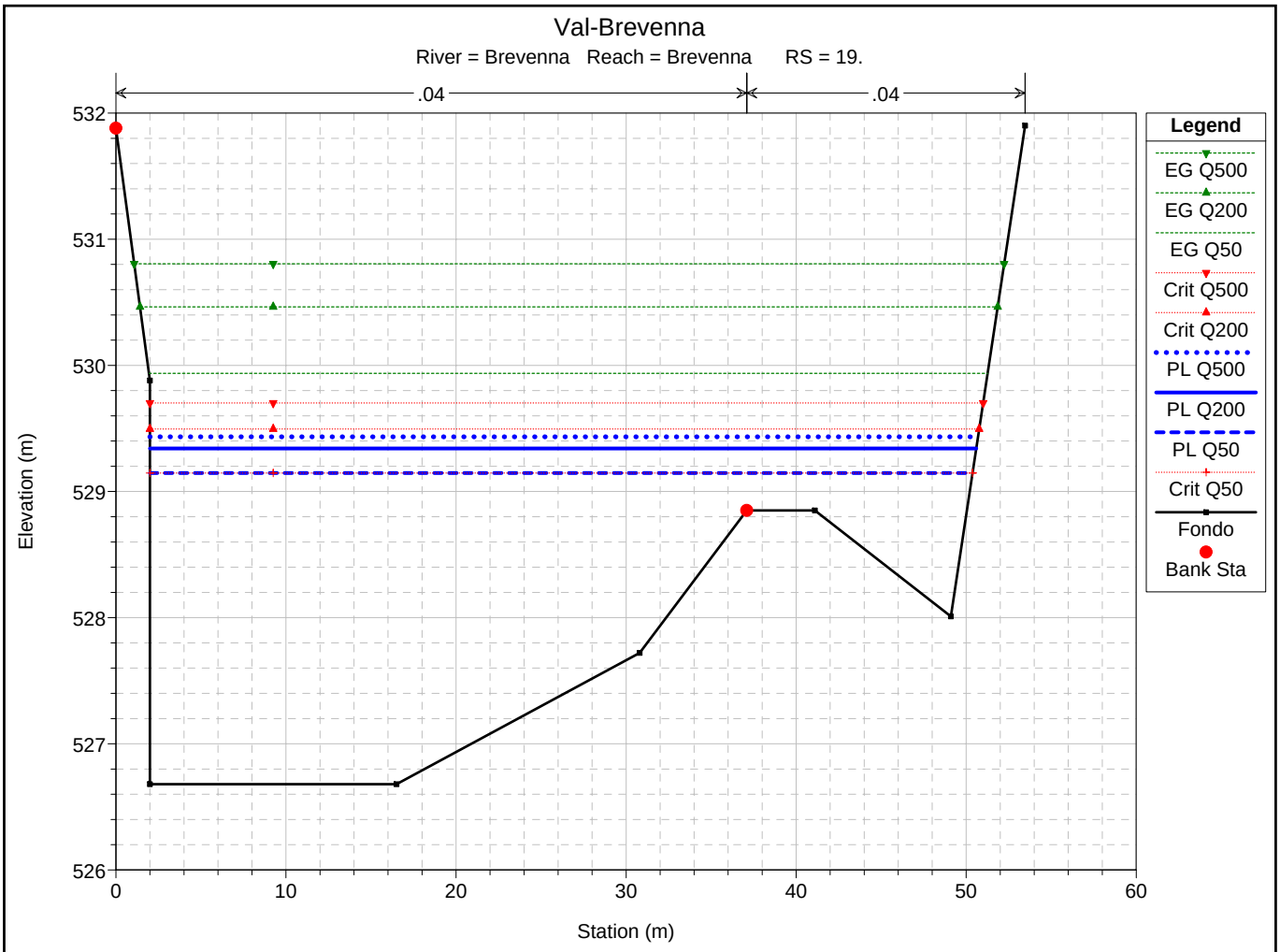

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 24.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

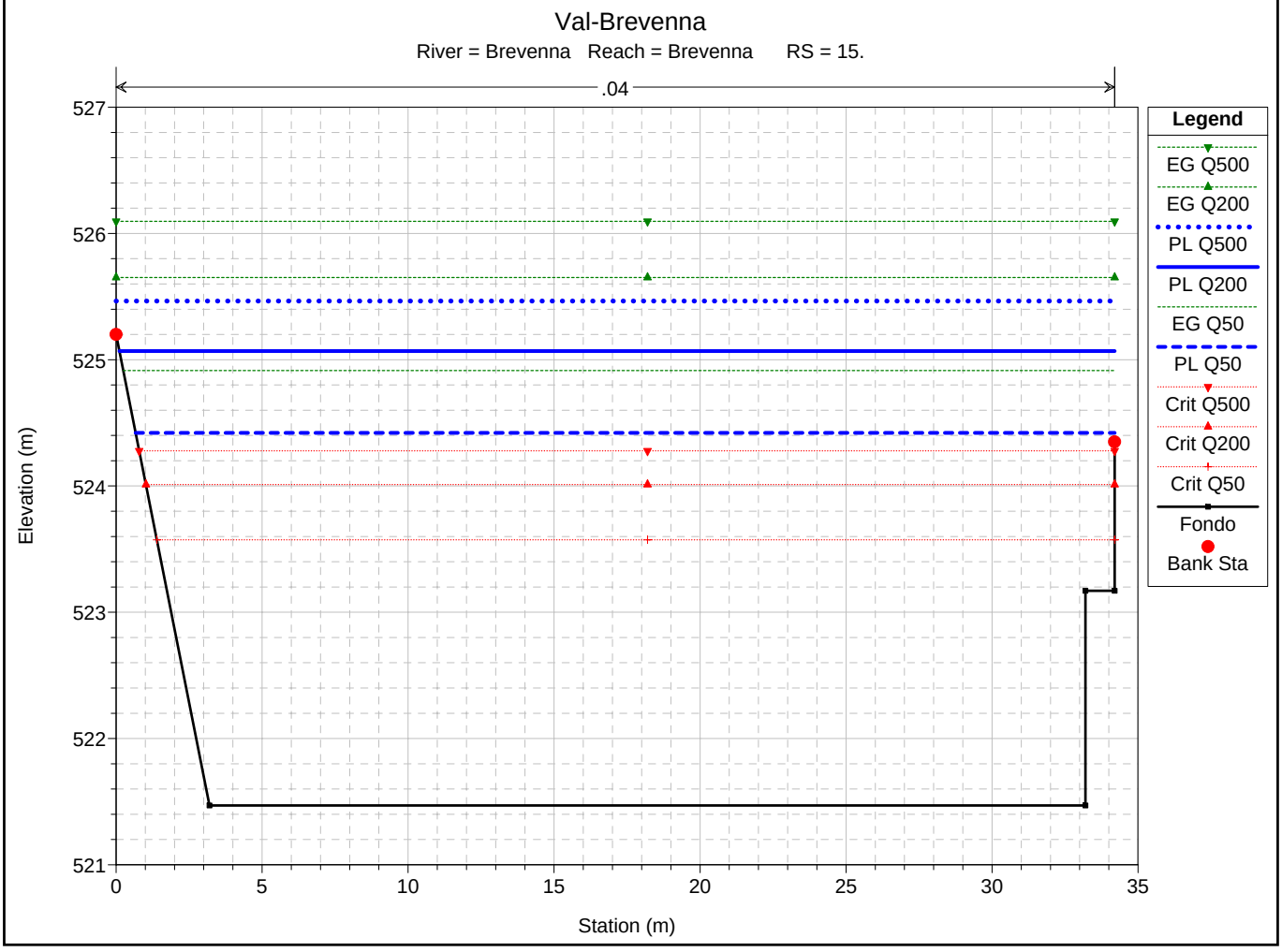

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 23.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

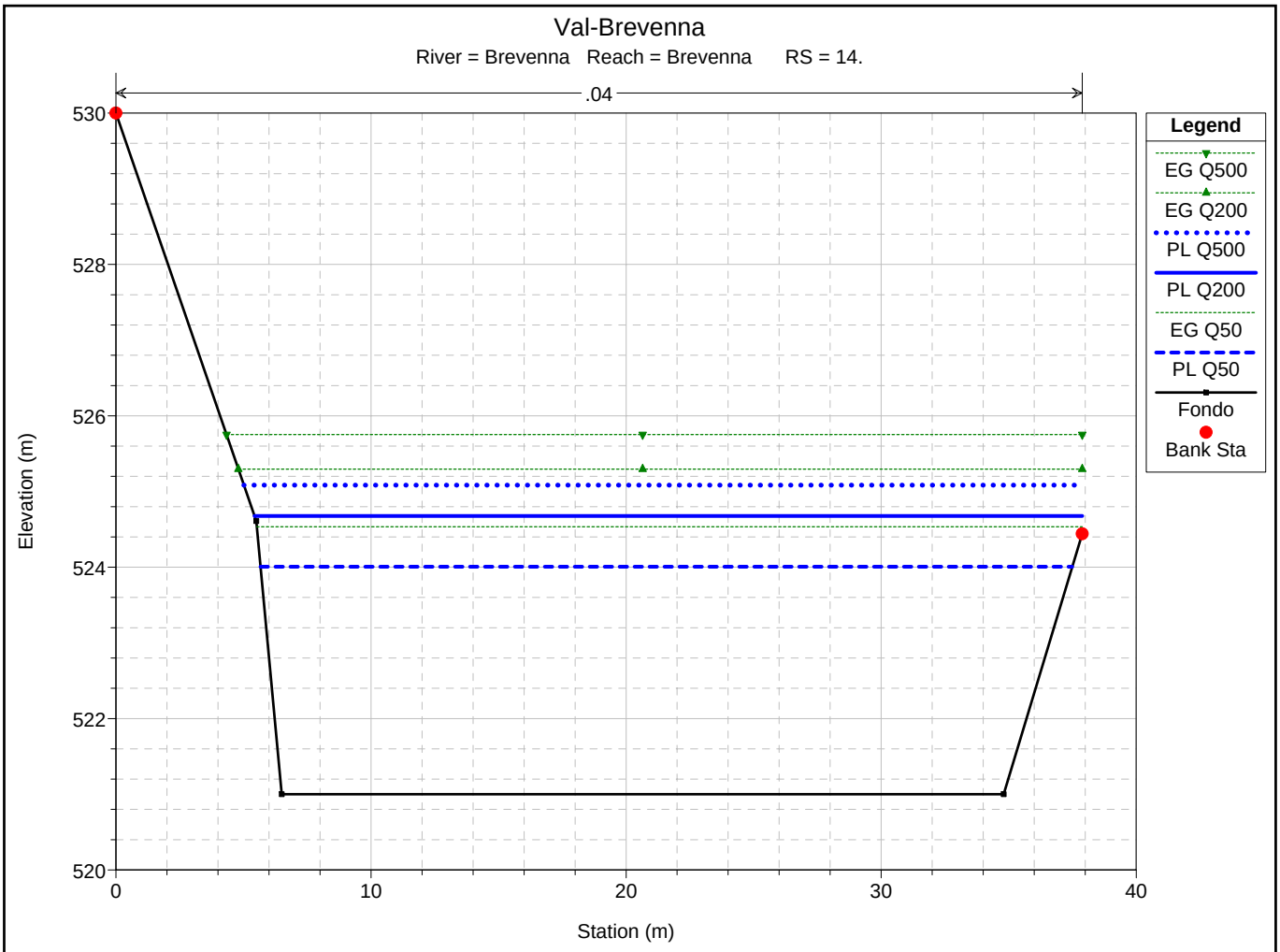

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 22.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

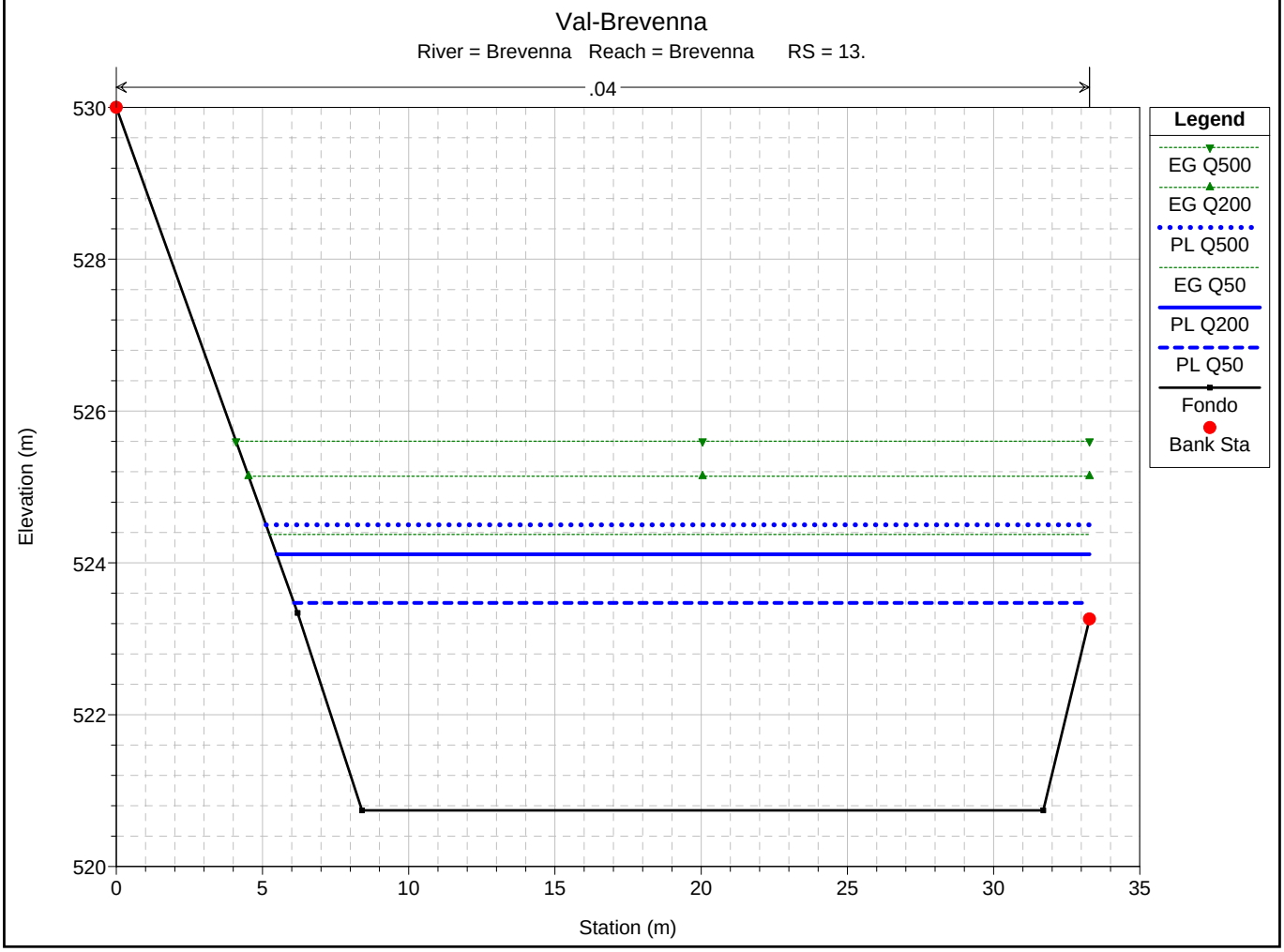

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 21.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

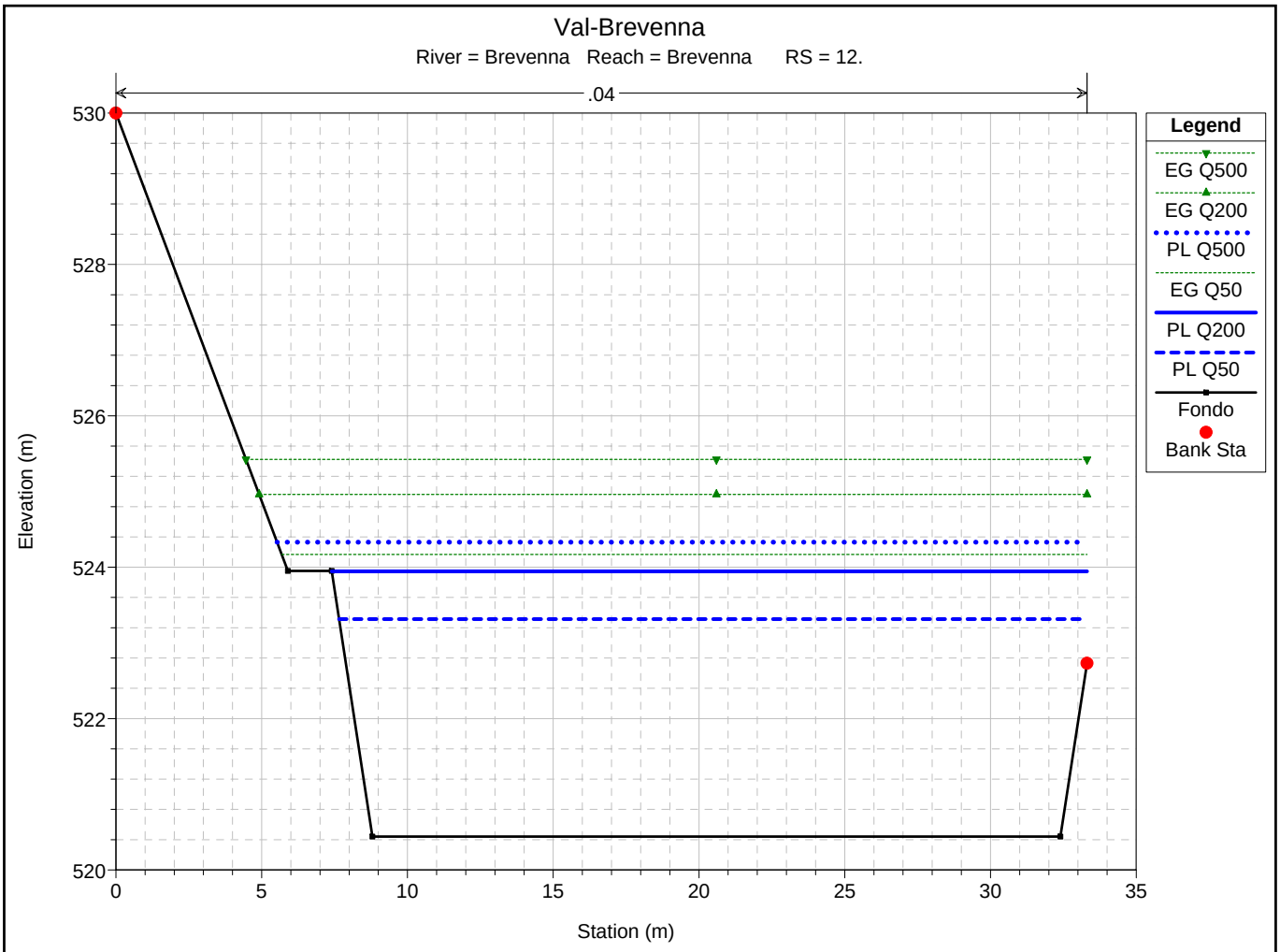

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 20.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

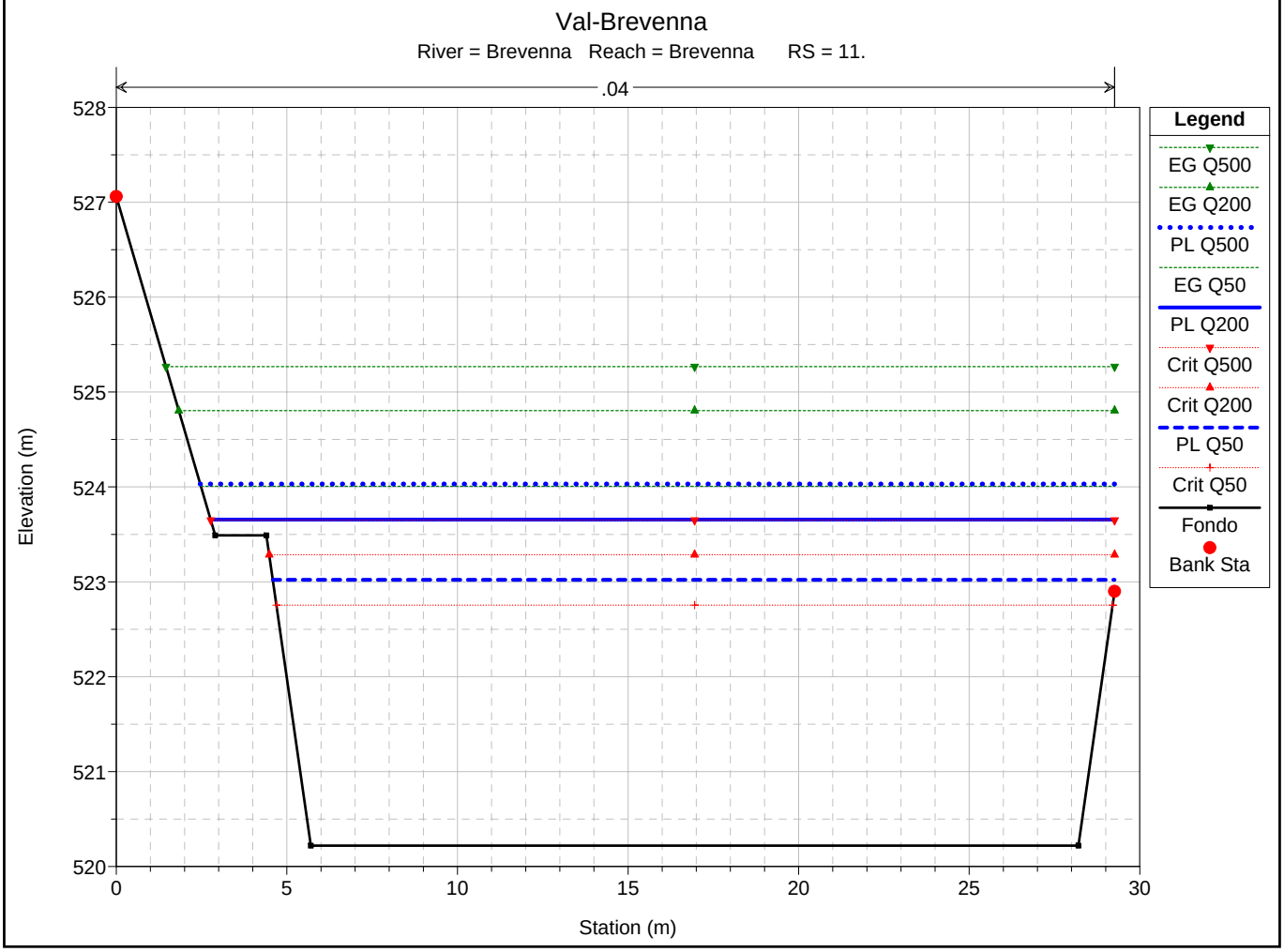

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 19.
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

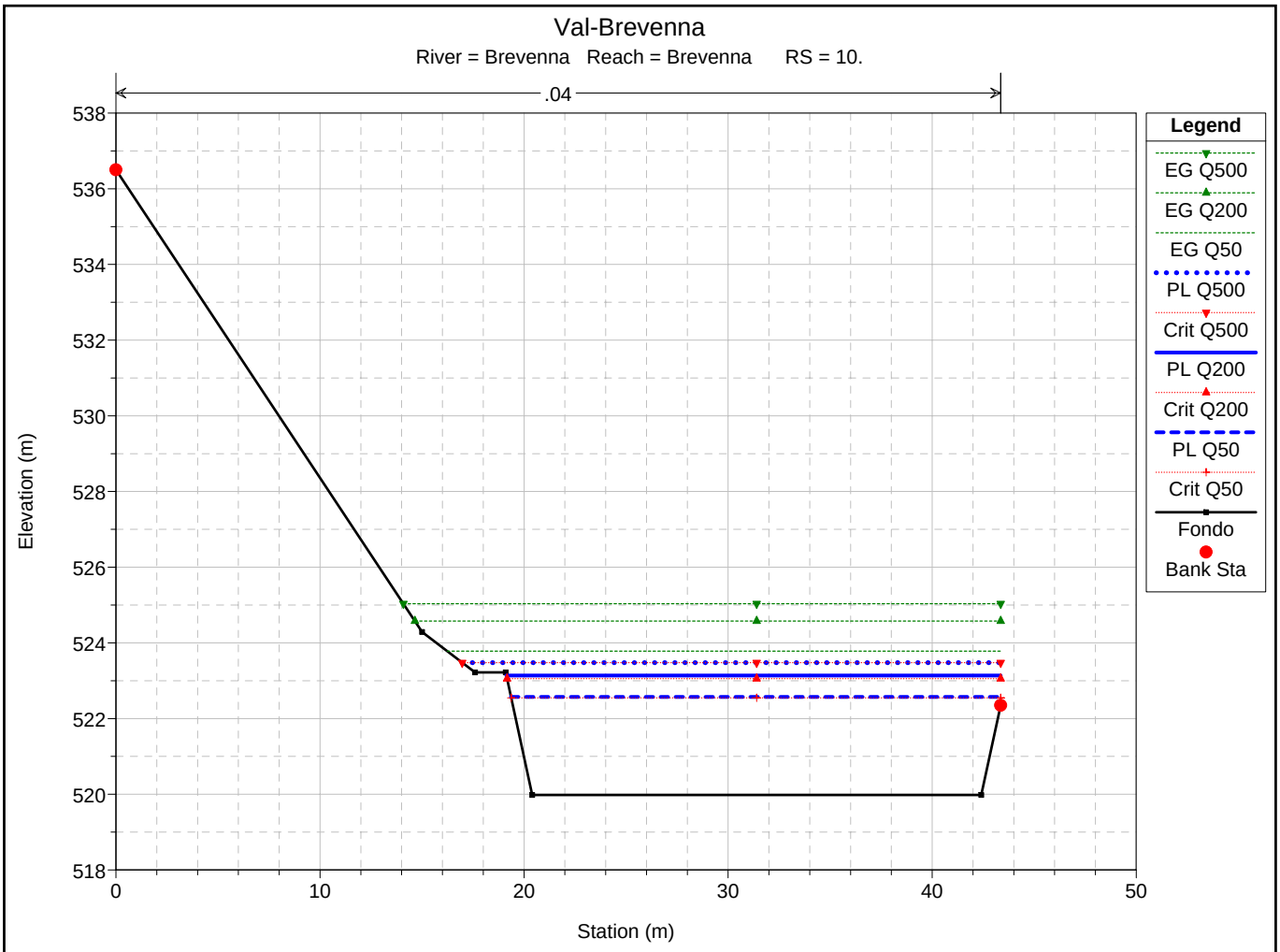

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 15.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

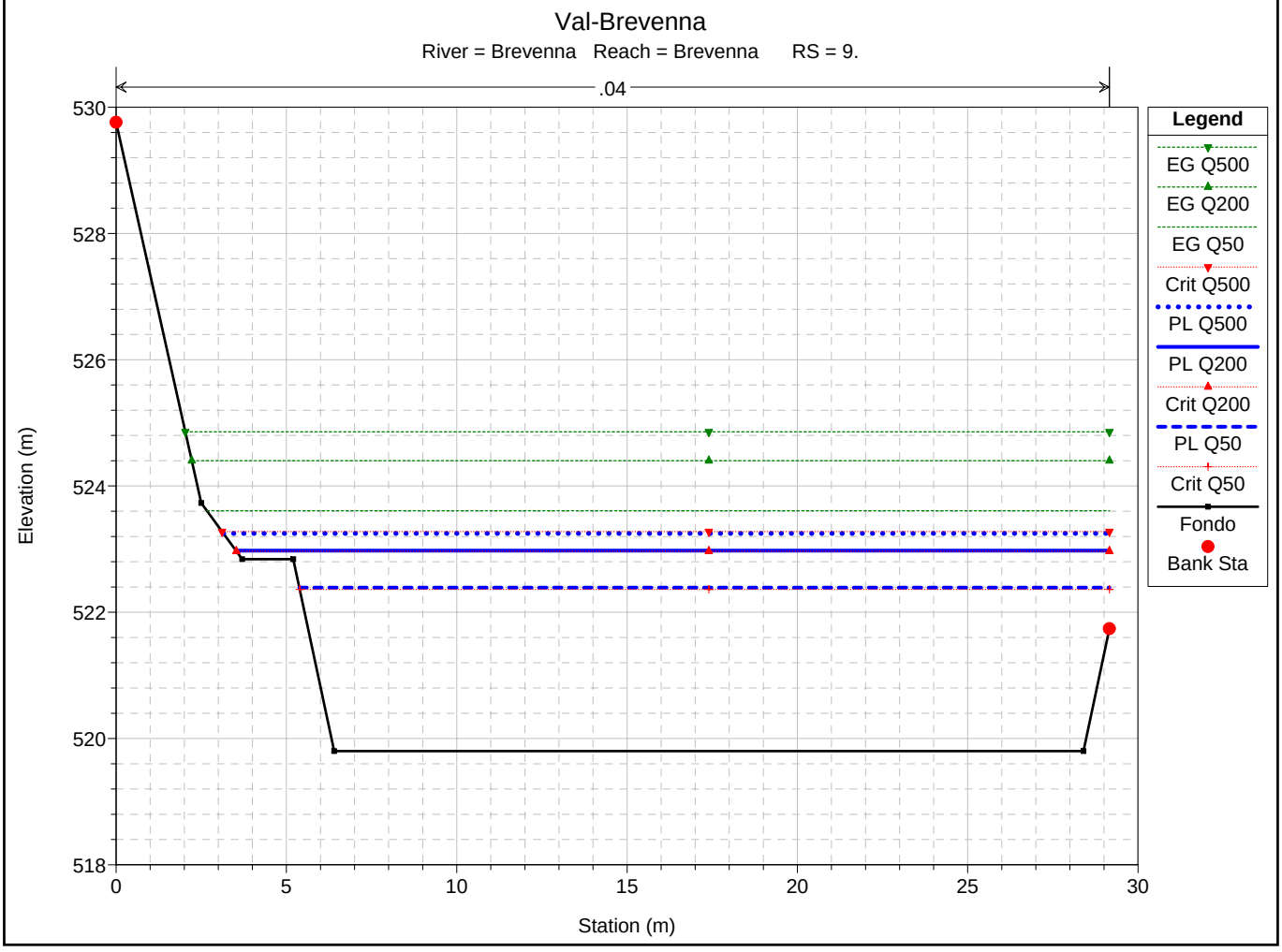

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 14.
.04
Elevation (m)
530
528
526
524
522
520
0
10
20
30
40
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Fondo
Bank Sta

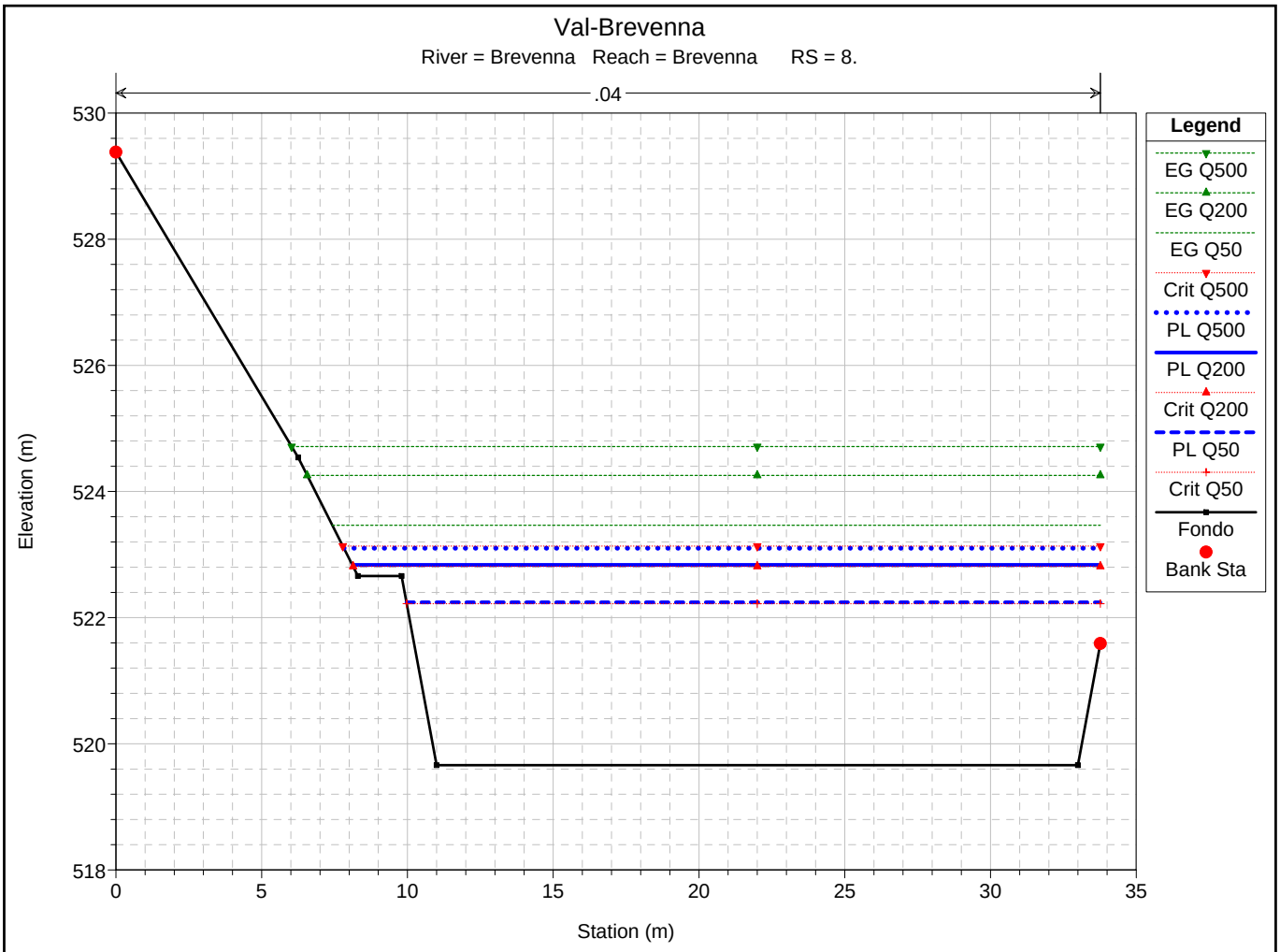

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 13.
.04
Elevation (m)
530
528
526
524
522
520
0
5
10
15
20
25
30
35
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Fondo
Bank Sta

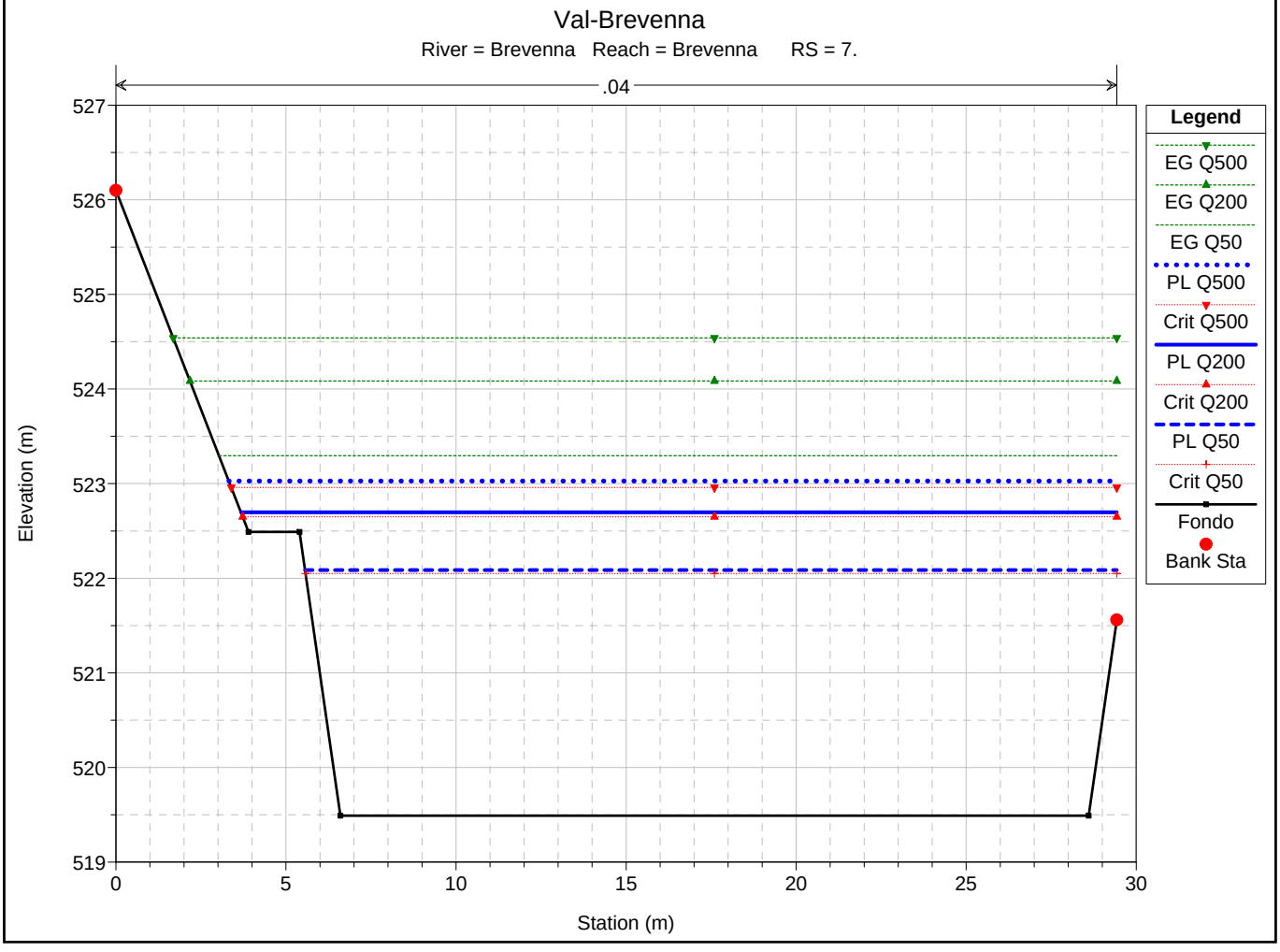

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 12.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Fondo
Bank Sta

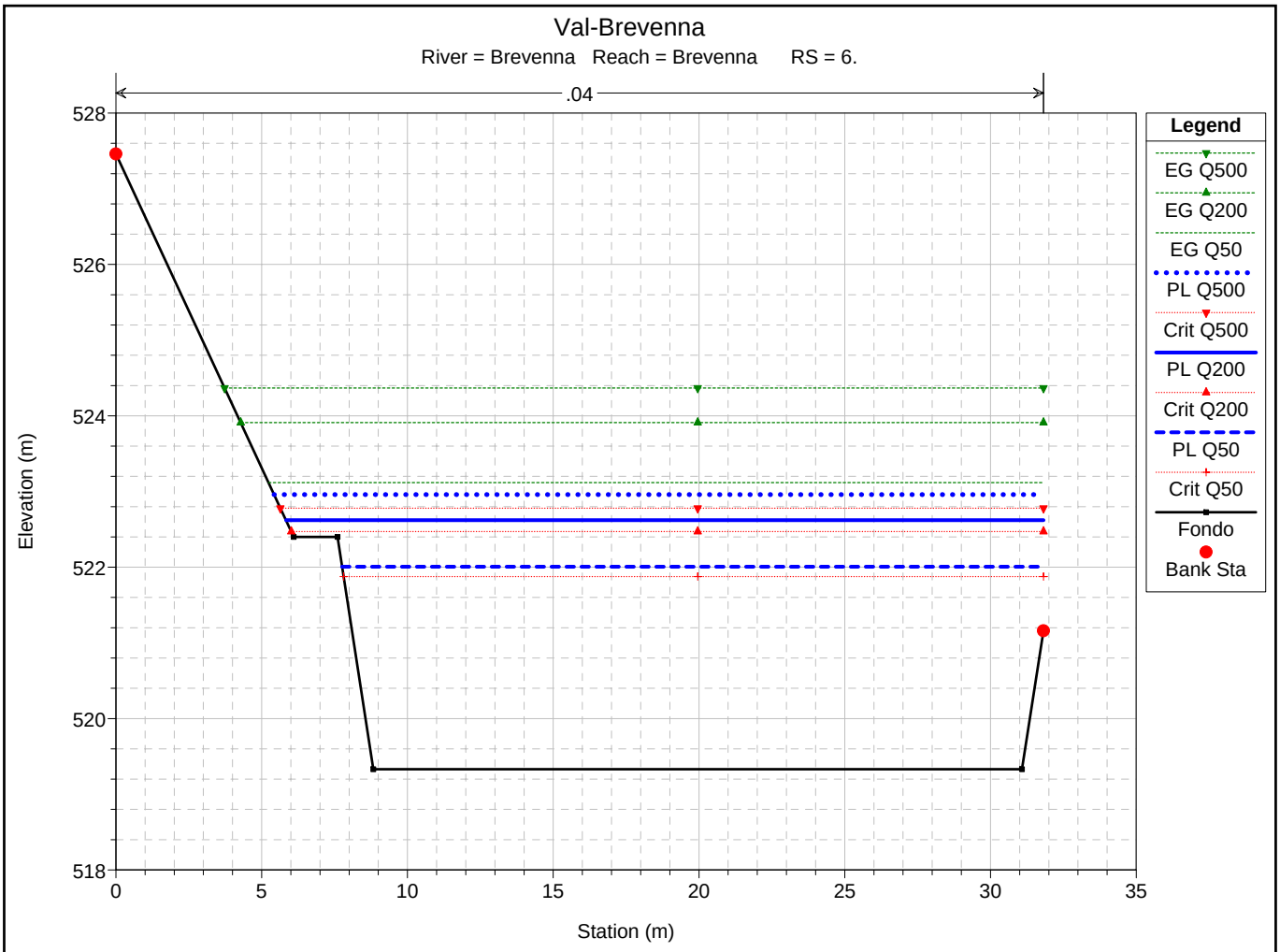

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 11.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

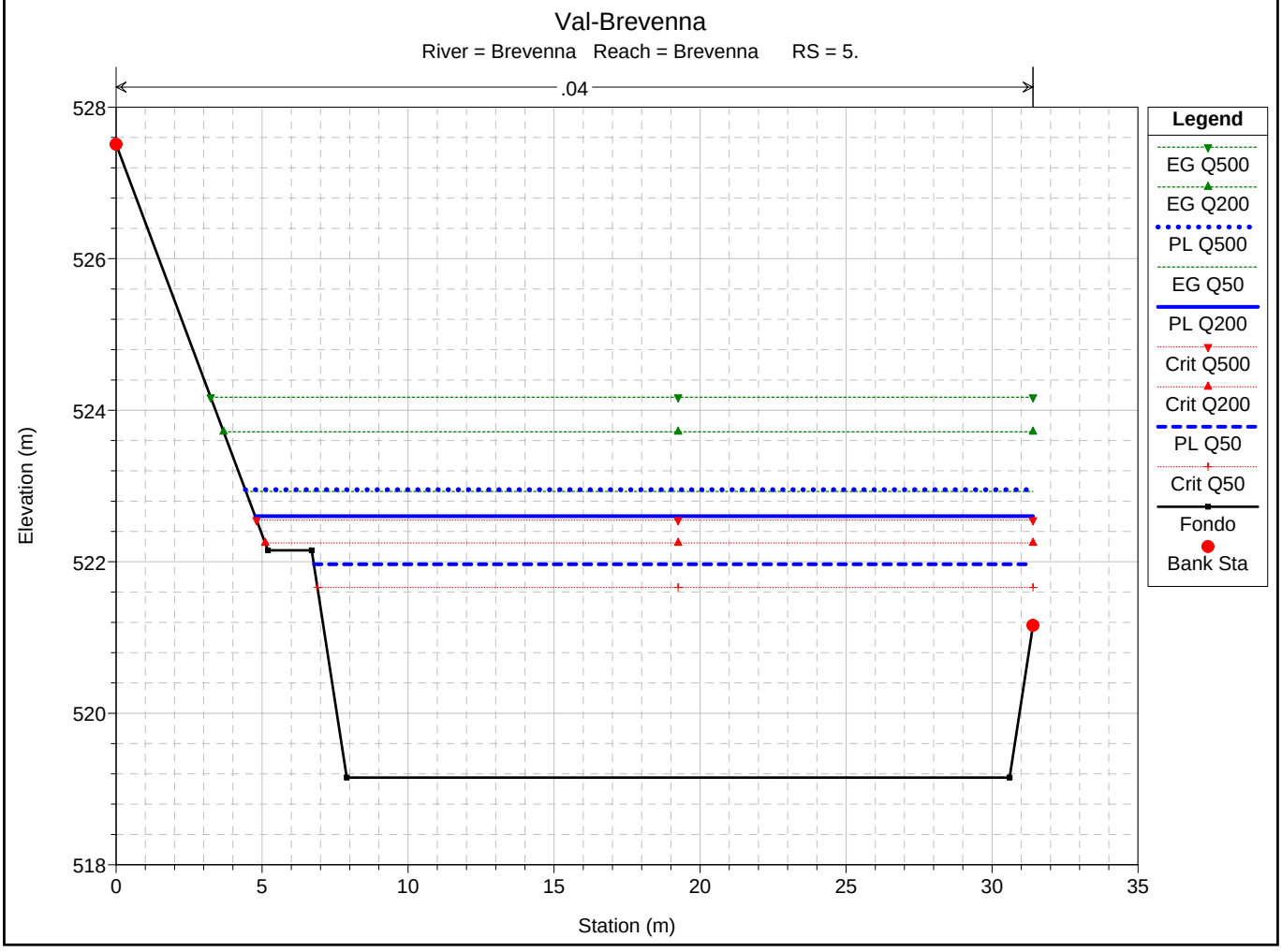

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 10.
.04
Elevation (m)
Station (m)
538
536
534
532
530
528
526
524
522
520
518
0
10
20
30
40
50
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

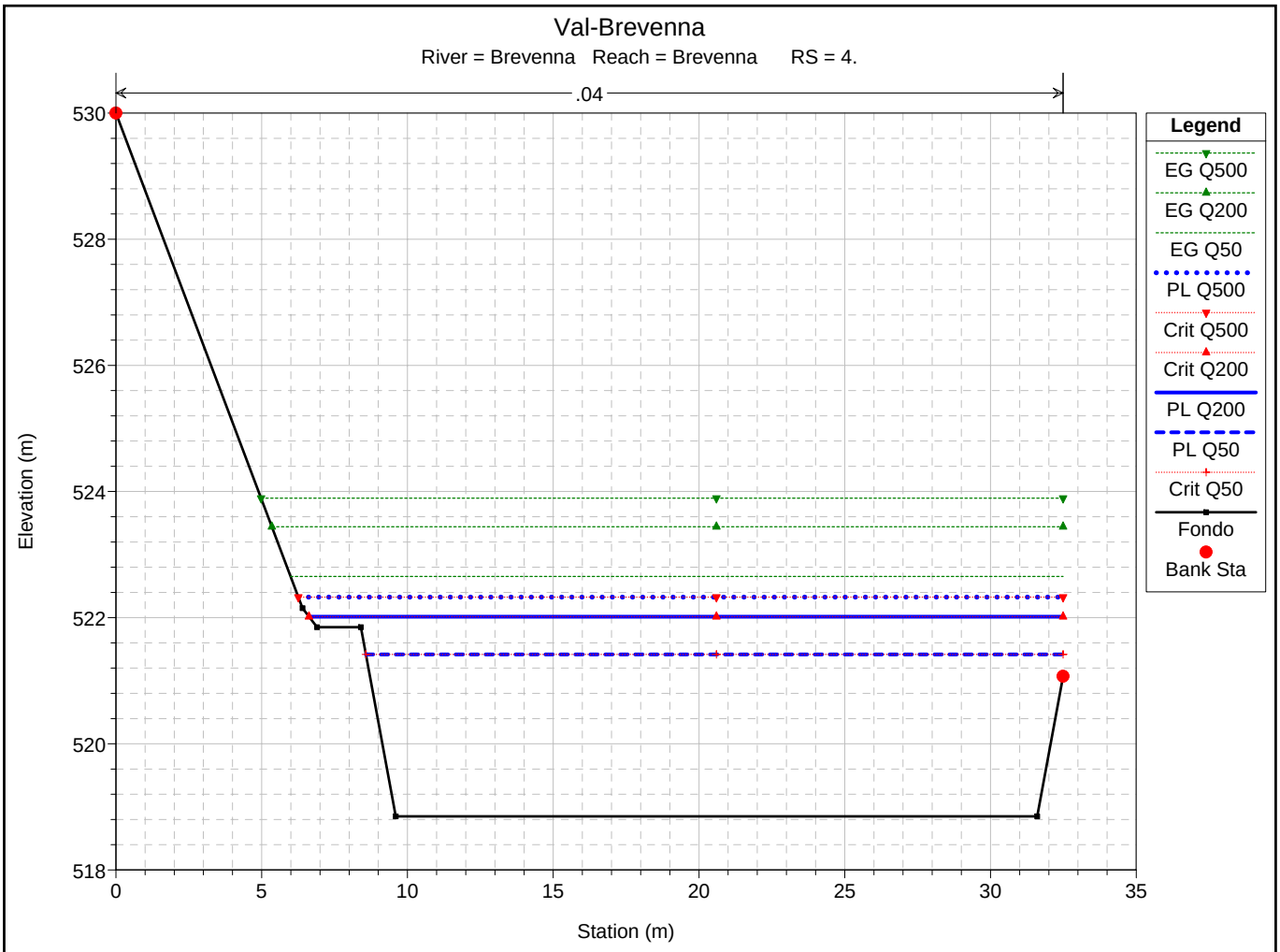

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 9.
.04
Elevation (m)
Station (m)
530
528
526
524
522
520
518
0
5
10
15
20
25
30
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

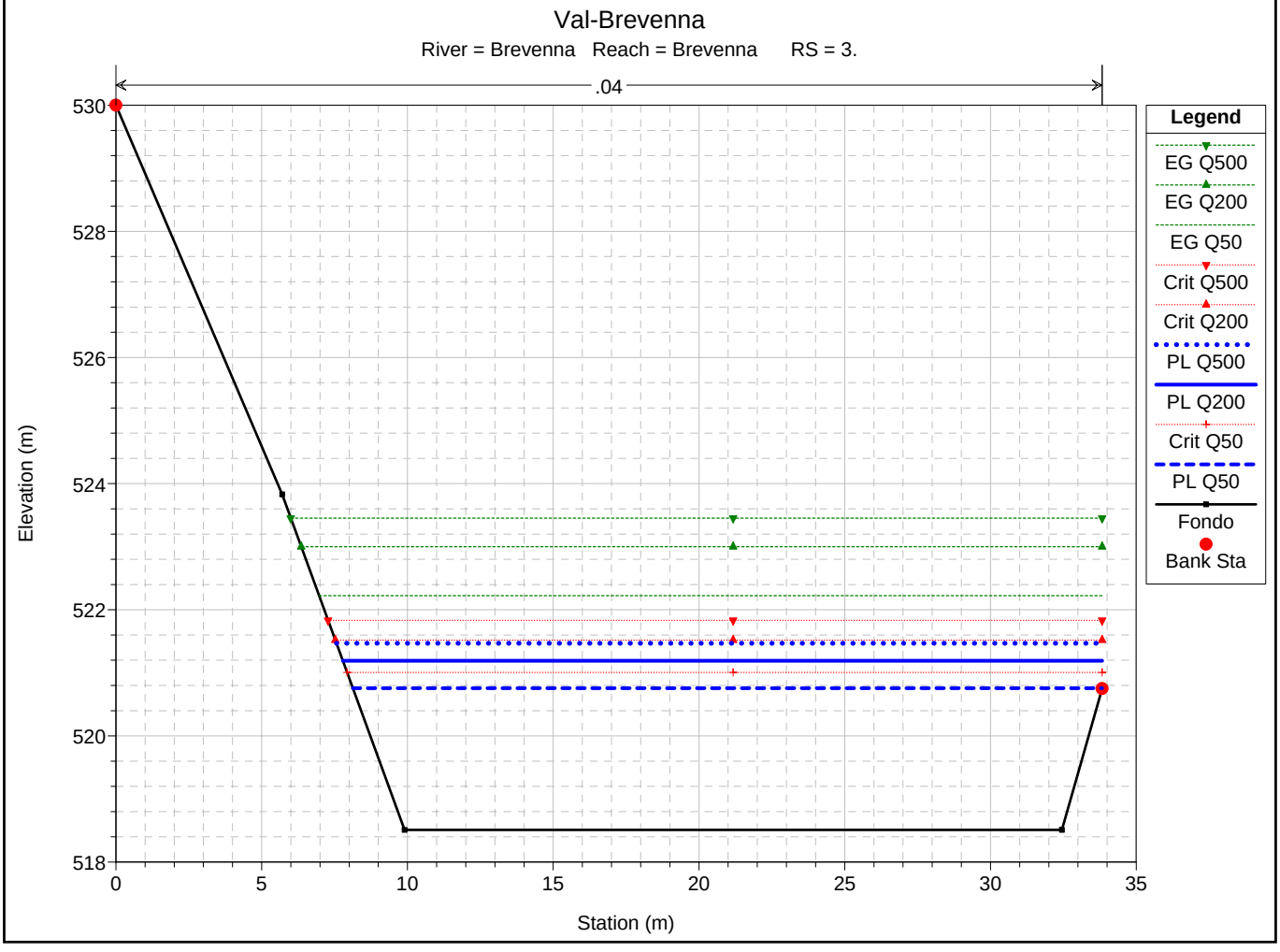

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 8.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

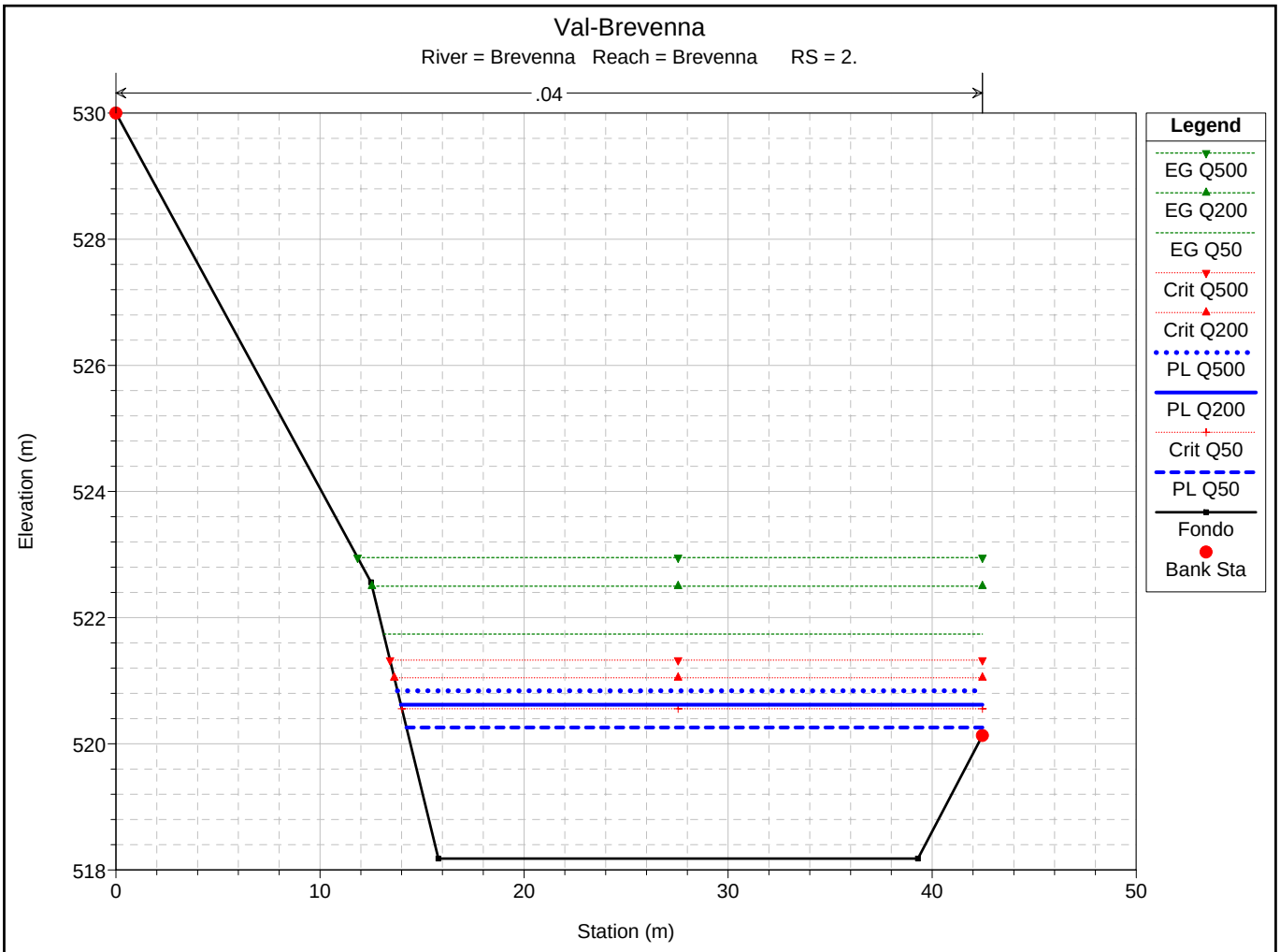

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 7.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

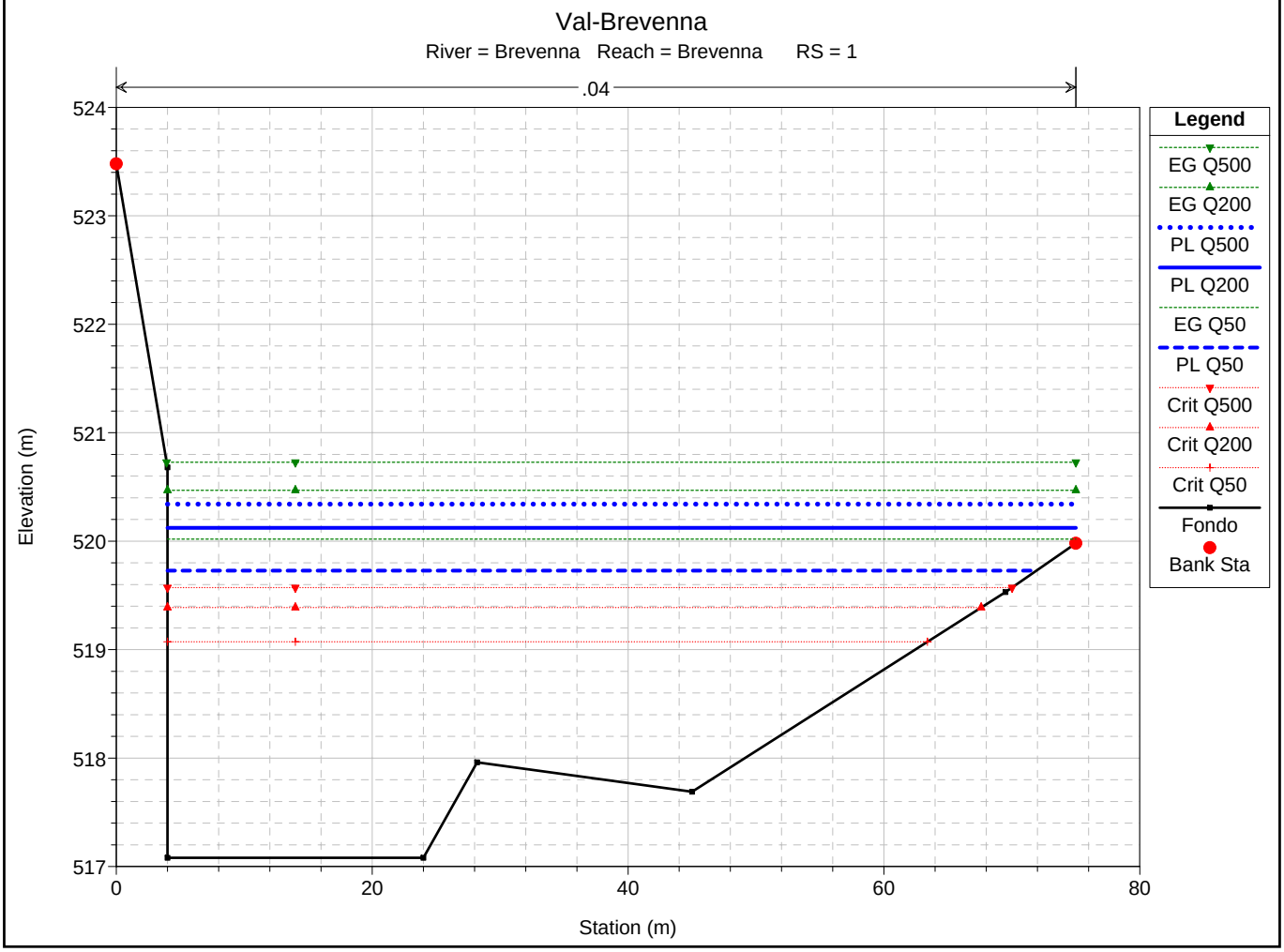

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 6.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

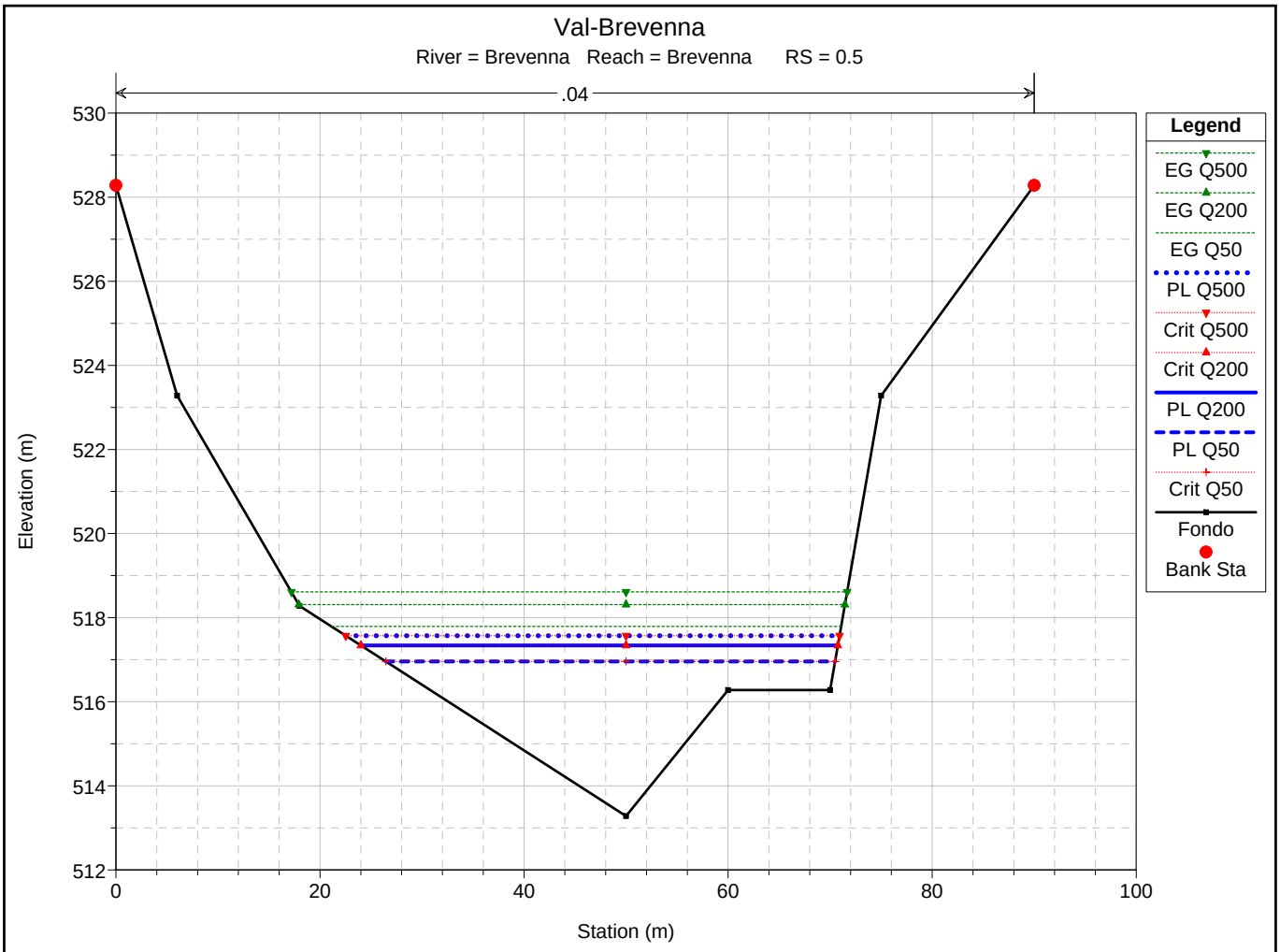

Val-Brevenna
River = Brevenna Reach = Brevenna RS = 5.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Val-Brevenna
River = Brevenna Reach = Brevenna RS = 4.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Val-Brevenna
River = Brevenna Reach = Brevenna RS = 3.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta


Val-Brevenna
River = Brevenna Reach = Brevenna RS = 2.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta


Val-Brevenna
River = Brevenna Reach = Brevenna RS = 1
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Val-Brevenna
River = Brevenna Reach = Brevenna RS = 0.5
.04
Elevation (m)
530
528
526
524
522
520
518
516
514
512
0
20
40
60
80
100
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

HEC-RAS Plan: t. Brevenna River: Brevenna Reach: Brevenna

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Brevenna	27.	Q50	238.00	559.80	563.06	568.80	5.74	568.80	5.74	563.06	564.00	0.013848	4.28	55.60	30.09	1.01
Brevenna	27.	Q200	330.00	559.80	563.57	568.80	5.23	568.80	5.23	563.57	564.64	0.013305	4.58	72.07	34.19	1.01
Brevenna	27.	Q500	390.00	559.80	563.94	568.80	4.86	568.80	4.86	563.94	565.00	0.013061	4.55	85.65	40.56	1.00
Brevenna	26.	Q50	238.00	546.92	548.80	552.91	4.11	550.80	2.00	550.25	554.24	0.122534	10.34	23.02	16.94	2.83
Brevenna	26.	Q200	330.00	546.92	549.19	552.91	3.72	550.80	1.61	550.86	555.39	0.107580	11.03	29.92	17.85	2.72
Brevenna	26.	Q500	390.00	546.92	549.44	552.91	3.47	550.80	1.36	551.19	556.00	0.099772	11.35	34.36	18.42	2.65
Brevenna	25.	Q50	238.00	546.42	548.93	554.04	5.11	552.27	3.34	549.65	551.29	0.057409	6.80	34.98	27.85	1.94
Brevenna	25.	Q200	330.00	546.42	549.15	554.04	4.89	552.27	3.12	550.12	552.42	0.066794	8.02	41.16	28.61	2.13
Brevenna	25.	Q500	390.00	546.42	549.29	554.04	4.75	552.27	2.98	550.41	553.09	0.070376	8.64	45.12	29.09	2.22
Brevenna	24.	Q50	238.00	546.38	549.25	554.30	5.05	551.80	2.55	549.45	550.38	0.020001	4.71	50.50	31.16	1.18
Brevenna	24.	Q200	330.00	546.38	549.37	554.30	4.93	551.80	2.43	549.90	551.26	0.031070	6.10	54.08	31.46	1.49
Brevenna	24.	Q500	390.00	546.38	549.47	554.30	4.83	551.80	2.33	550.17	551.82	0.035975	6.79	57.45	31.73	1.61
Brevenna	23.	Q50	238.00	545.96	549.09	554.04	4.95	553.19	4.10	549.21	550.18	0.018030	4.61	51.63	28.89	1.10
Brevenna	23.	Q200	330.00	545.96	549.53	554.04	4.51	553.19	3.66	549.69	550.87	0.017522	5.12	64.44	29.78	1.11
Brevenna	23.	Q500	390.00	545.96	549.88	554.04	4.16	553.19	3.31	549.98	551.26	0.015538	5.21	74.81	30.48	1.06
Brevenna	22.	Q50	238.00	545.20	547.87	551.50	3.63	549.81	1.94	548.30	549.58	0.025954	5.79	41.11	21.71	1.34
Brevenna	22.	Q200	330.00	545.20	548.48	551.50	3.02	549.81	1.33	548.88	550.33	0.021479	6.04	54.64	22.98	1.25
Brevenna	22.	Q500	390.00	545.20	548.85	551.50	2.65	549.81	0.96	549.22	550.78	0.019354	6.14	63.49	23.78	1.20
Brevenna	21.	Q50	238.00	539.72	541.36	548.80	7.44	548.80	7.44	542.14	543.77	0.052740	6.88	34.61	25.47	1.88
Brevenna	21.	Q200	330.00	539.72	541.62	548.80	7.18	548.80	7.18	542.67	544.85	0.058915	7.96	41.46	26.53	2.03
Brevenna	21.	Q500	390.00	539.72	541.78	548.80	7.02	548.80	7.02	542.94	545.50	0.061825	8.55	45.63	27.16	2.10
Brevenna	20.	Q50	238.00	527.56	531.07	548.80	17.73	543.80	12.73	531.02	532.22	0.012783	4.74	50.22	20.72	0.97
Brevenna	20.	Q200	330.00	527.56	531.66	548.80	17.14	543.80	12.14	531.66	533.06	0.013188	5.23	63.07	22.73	1.00
Brevenna	20.	Q500	390.00	527.56	532.03	548.80	16.77	543.80	11.77	532.03	533.54	0.013068	5.45	71.56	23.97	1.01
Brevenna	19.	Q50	291.00	526.68	529.15	531.88	2.73	528.85	-0.30	529.15	529.94	0.011527	4.02	76.64	48.37	0.91
Brevenna	19.	Q200	390.00	526.68	529.34	531.88	2.54	528.85	-0.49	529.50	530.46	0.014673	4.81	86.10	48.59	1.04
Brevenna	19.	Q500	454.00	526.68	529.43	531.88	2.45	528.85	-0.58	529.70	530.80	0.017080	5.33	90.59	48.70	1.13
Brevenna	15.	Q50	291.00	521.47	524.42	525.20	0.78	524.35	-0.07	523.57	524.91	0.004638	3.11	93.51	33.53	0.59
Brevenna	15.	Q200	390.00	521.47	525.07	525.20	0.13	524.35	-0.72	524.01	525.65	0.004348	3.38	115.43	34.09	0.59
Brevenna	15.	Q500	454.00	521.47	525.46	525.20	-0.26	524.35	-1.11	524.28	526.10	0.004188	3.52	128.95	34.20	0.58
Brevenna	14.	Q50	291.00	521.00	524.01	530.00	5.99	524.44	0.44		524.53	0.004768	3.22	90.35	31.82	0.61
Brevenna	14.	Q200	390.00	521.00	524.68	530.00	5.32	524.44	-0.24		525.30	0.004434	3.48	111.97	32.45	0.60
Brevenna	14.	Q500	454.00	521.00	525.08	530.00	4.92	524.44	-0.64		525.75	0.004284	3.62	125.24	32.86	0.59
Brevenna	13.	Q50	291.00	520.74	523.47	530.00	6.53	523.26	-0.21		524.37	0.009339	4.21	69.14	27.20	0.84
Brevenna	13.	Q200	390.00	520.74	524.11	530.00	5.89	523.26	-0.85		525.14	0.008401	4.49	86.77	27.80	0.81
Brevenna	13.	Q500	454.00	520.74	524.50	530.00	5.50	523.26	-1.24		525.60	0.007994	4.65	97.59	28.16	0.80

HEC-RAS Plan: t. Brevenna River: Brevenna Reach: Brevenna (Continued)

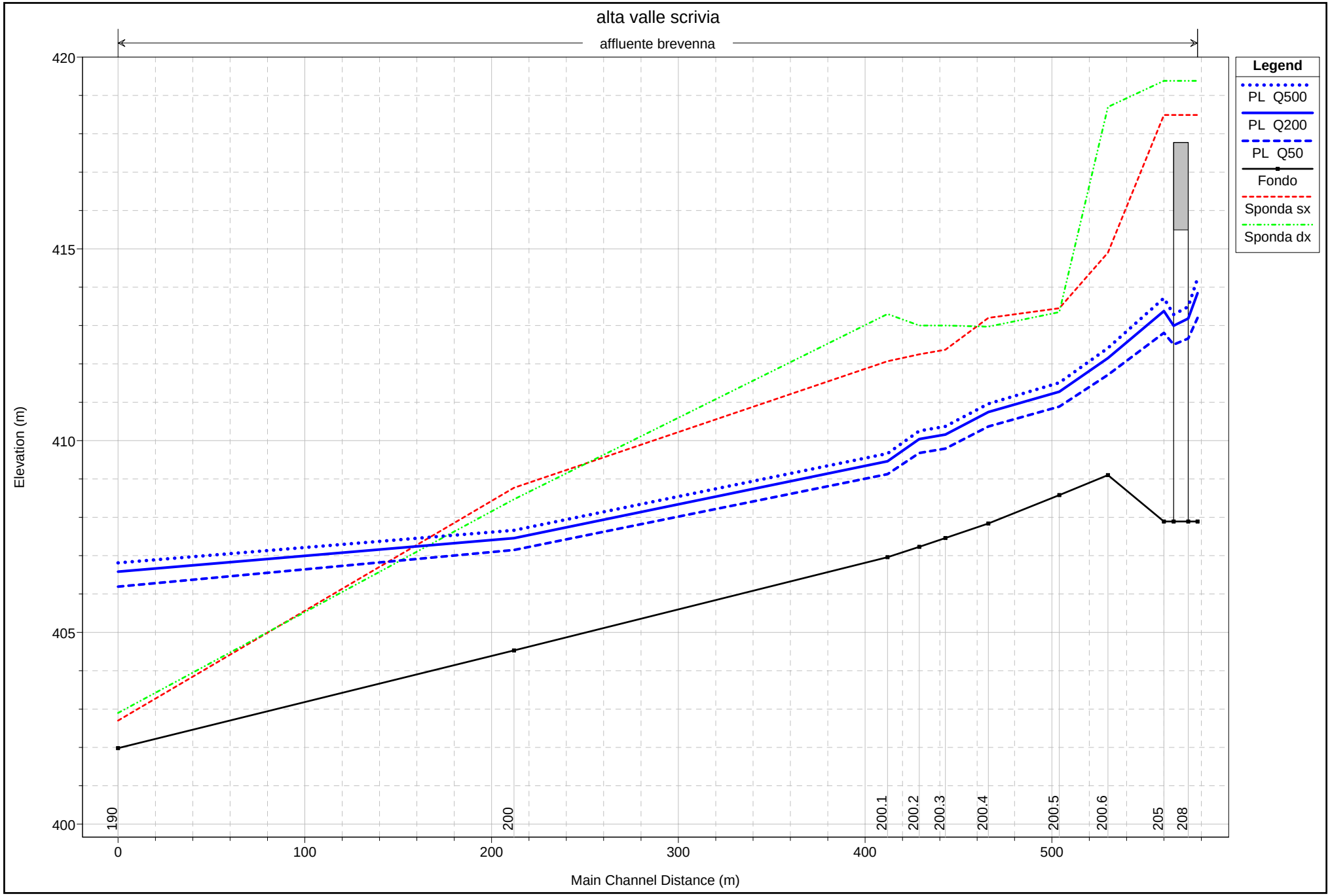
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Brevenna	12.	Q50	291.00	520.44	523.31	530.00	6.69	522.73	-0.58		524.17	0.008407	4.10	71.05	25.66	0.79
Brevenna	12.	Q200	390.00	520.44	523.95	530.00	6.05	522.73	-1.22		524.96	0.008038	4.47	87.33	25.91	0.78
Brevenna	12.	Q500	454.00	520.44	524.33	530.00	5.67	522.73	-1.60		525.42	0.008216	4.64	97.94	27.78	0.79
Brevenna	11.	Q50	291.00	520.22	523.02	527.06	4.04	522.90	-0.12	522.75	524.01	0.010085	4.40	66.15	24.67	0.86
Brevenna	11.	Q200	390.00	520.22	523.66	527.06	3.40	522.90	-0.76	523.29	524.80	0.009990	4.75	82.15	26.50	0.86
Brevenna	11.	Q500	454.00	520.22	524.03	527.06	3.03	522.90	-1.13	523.65	525.27	0.009585	4.93	92.10	26.80	0.85
Brevenna	10.	Q50	291.00	519.98	522.57	536.50	13.93	522.35	-0.22	522.55	523.78	0.013567	4.87	59.70	24.00	0.99
Brevenna	10.	Q200	390.00	519.98	523.14	536.50	13.36	522.35	-0.79	523.06	524.58	0.012979	5.32	73.34	24.23	0.98
Brevenna	10.	Q500	454.00	519.98	523.48	536.50	13.02	522.35	-1.13	523.48	525.04	0.013548	5.53	82.12	26.39	1.00
Brevenna	9.	Q50	291.00	519.80	522.39	529.76	7.37	521.74	-0.65	522.36	523.61	0.013646	4.89	59.56	23.78	0.99
Brevenna	9.	Q200	390.00	519.80	522.98	529.76	6.78	521.74	-1.24	522.97	524.40	0.013668	5.29	73.76	25.64	1.00
Brevenna	9.	Q500	454.00	519.80	523.25	529.76	6.51	521.74	-1.51	523.28	524.86	0.014113	5.62	80.80	26.01	1.02
Brevenna	8.	Q50	291.00	519.66	522.24	529.38	7.14	521.59	-0.65	522.22	523.47	0.013765	4.90	59.39	23.80	0.99
Brevenna	8.	Q200	390.00	519.66	522.84	529.38	6.54	521.59	-1.25	522.81	524.26	0.013604	5.28	73.86	25.66	0.99
Brevenna	8.	Q500	454.00	519.66	523.10	529.38	6.28	521.59	-1.51	523.13	524.71	0.014115	5.62	80.72	25.95	1.02
Brevenna	7.	Q50	291.00	519.49	522.09	526.10	4.01	521.56	-0.53	522.05	523.29	0.013513	4.87	59.76	23.87	0.98
Brevenna	7.	Q200	390.00	519.49	522.70	526.10	3.40	521.56	-1.14	522.65	524.08	0.013133	5.22	74.74	25.75	0.98
Brevenna	7.	Q500	454.00	519.49	523.03	526.10	3.07	521.56	-1.47	522.96	524.54	0.012846	5.45	83.29	26.11	0.97
Brevenna	6.	Q50	291.00	519.33	522.01	527.46	5.45	521.16	-0.85	521.88	523.12	0.012002	4.67	62.28	24.06	0.93
Brevenna	6.	Q200	390.00	519.33	522.62	527.46	4.84	521.16	-1.46	522.47	523.91	0.011863	5.03	77.49	25.99	0.93
Brevenna	6.	Q500	454.00	519.33	522.96	527.46	4.50	521.16	-1.80	522.78	524.37	0.011616	5.26	86.38	26.40	0.93
Brevenna	5.	Q50	291.00	519.15	521.97	527.51	5.54	521.16	-0.81	521.66	522.93	0.009757	4.34	66.98	24.63	0.84
Brevenna	5.	Q200	390.00	519.15	522.60	527.51	4.91	521.16	-1.44	522.25	523.72	0.009605	4.67	83.44	26.64	0.84
Brevenna	5.	Q500	454.00	519.15	522.95	527.51	4.56	521.16	-1.79	522.55	524.17	0.009451	4.89	92.81	26.98	0.84
Brevenna	4.	Q50	291.00	518.85	521.42	530.00	8.58	521.07	-0.35	521.42	522.65	0.014004	4.93	59.08	23.92	1.00
Brevenna	4.	Q200	390.00	518.85	522.02	530.00	7.98	521.07	-0.95	522.02	523.44	0.013723	5.29	73.75	25.87	1.00
Brevenna	4.	Q500	454.00	518.85	522.33	530.00	7.67	521.07	-1.26	522.33	523.89	0.013603	5.55	81.84	26.23	1.00
Brevenna	3.	Q50	291.00	518.51	520.76	530.00	9.24	520.75	-0.01	521.01	522.22	0.019125	5.37	54.23	25.70	1.18
Brevenna	3.	Q200	390.00	518.51	521.19	530.00	8.81	520.75	-0.44	521.52	523.00	0.019182	5.95	65.50	26.05	1.20
Brevenna	3.	Q500	454.00	518.51	521.47	530.00	8.53	520.75	-0.72	521.83	523.45	0.018851	6.24	72.75	26.27	1.20
Brevenna	2.	Q50	291.00	518.18	520.26	530.00	9.74	520.13	-0.13	520.56	521.74	0.021195	5.39	53.98	28.23	1.24
Brevenna	2.	Q200	390.00	518.18	520.62	530.00	9.38	520.13	-0.49	521.05	522.50	0.022148	6.08	64.19	28.50	1.29
Brevenna	2.	Q500	454.00	518.18	520.84	530.00	9.16	520.13	-0.71	521.33	522.95	0.022426	6.44	70.50	28.66	1.31
Brevenna	1	Q50	291.00	517.08	519.73	523.48	3.75	519.98	0.25	519.07	520.02	0.004423	2.39	121.81	67.92	0.57
Brevenna	1	Q200	390.00	517.08	520.12	523.48	3.36	519.98	-0.14	519.39	520.47	0.004298	2.61	149.43	71.00	0.57
Brevenna	1	Q500	454.00	517.08	520.34	523.48	3.14	519.98	-0.36	519.57	520.73	0.004218	2.75	165.01	71.00	0.58

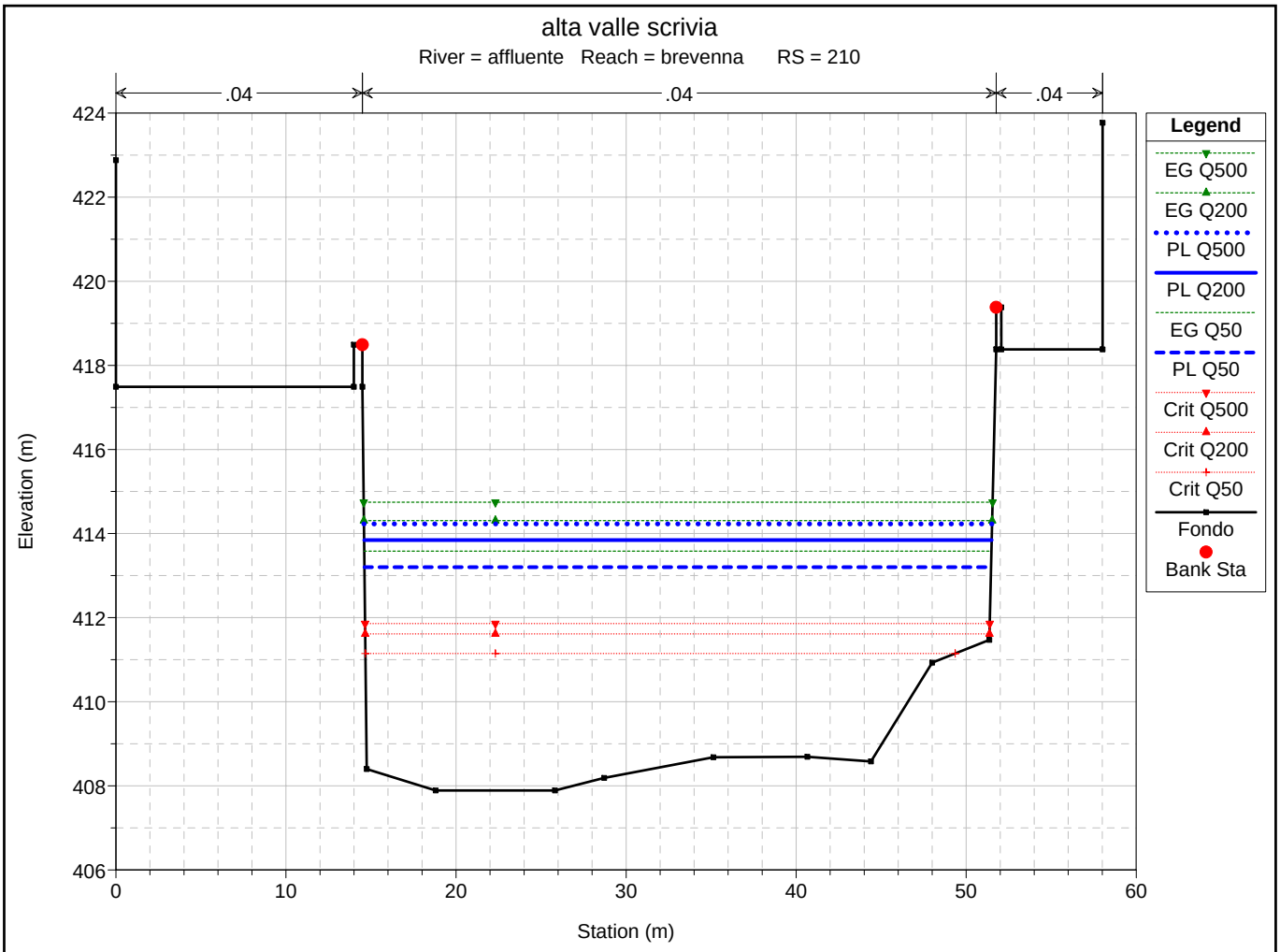
HEC-RAS Plan: t. Brevenna River: Brevenna Reach: Brevenna (Continued)

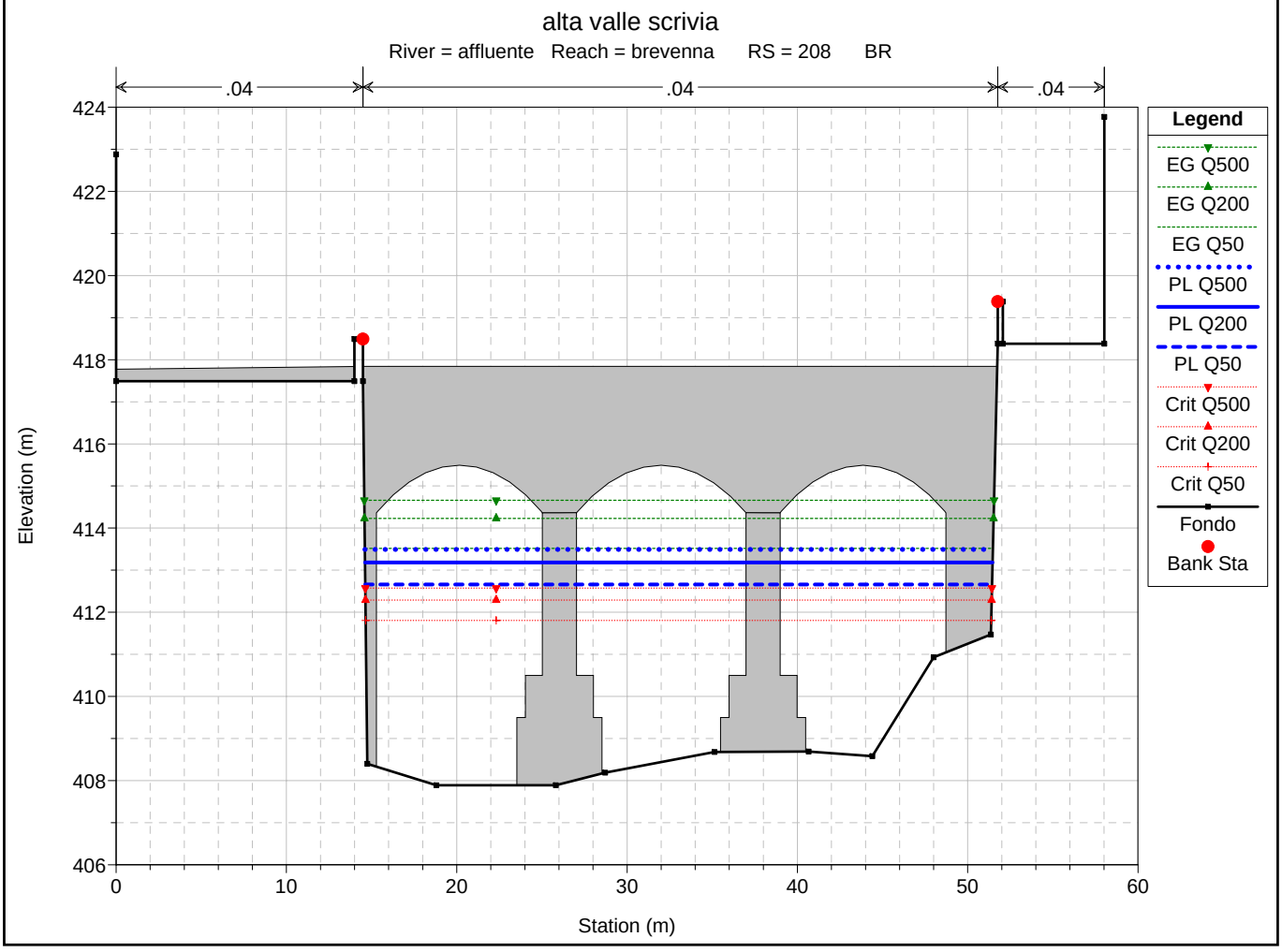
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Brevenna	0.5	Q50	291.00	513.28	516.96	528.28	11.32	528.28	11.32	516.96	517.79	0.014001	4.04	72.01	44.02	1.01
Brevenna	0.5	Q200	390.00	513.28	517.34	528.28	10.94	528.28	10.94	517.34	518.31	0.013318	4.36	89.37	46.74	1.01
Brevenna	0.5	Q500	454.00	513.28	517.57	528.28	10.71	528.28	10.71	517.57	518.61	0.012868	4.52	100.37	48.39	1.00

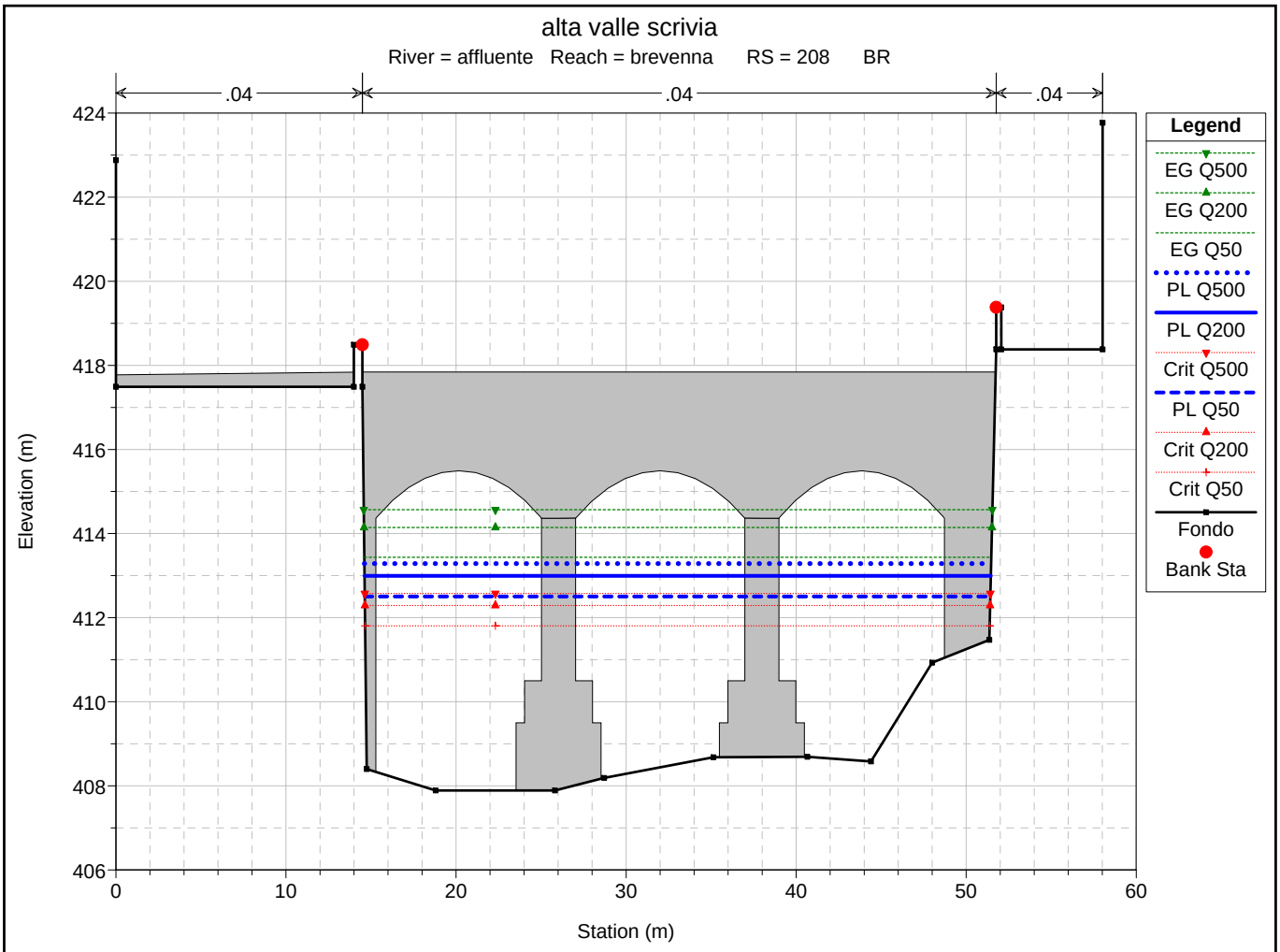
Torrente Brevenna *(confluenza)*

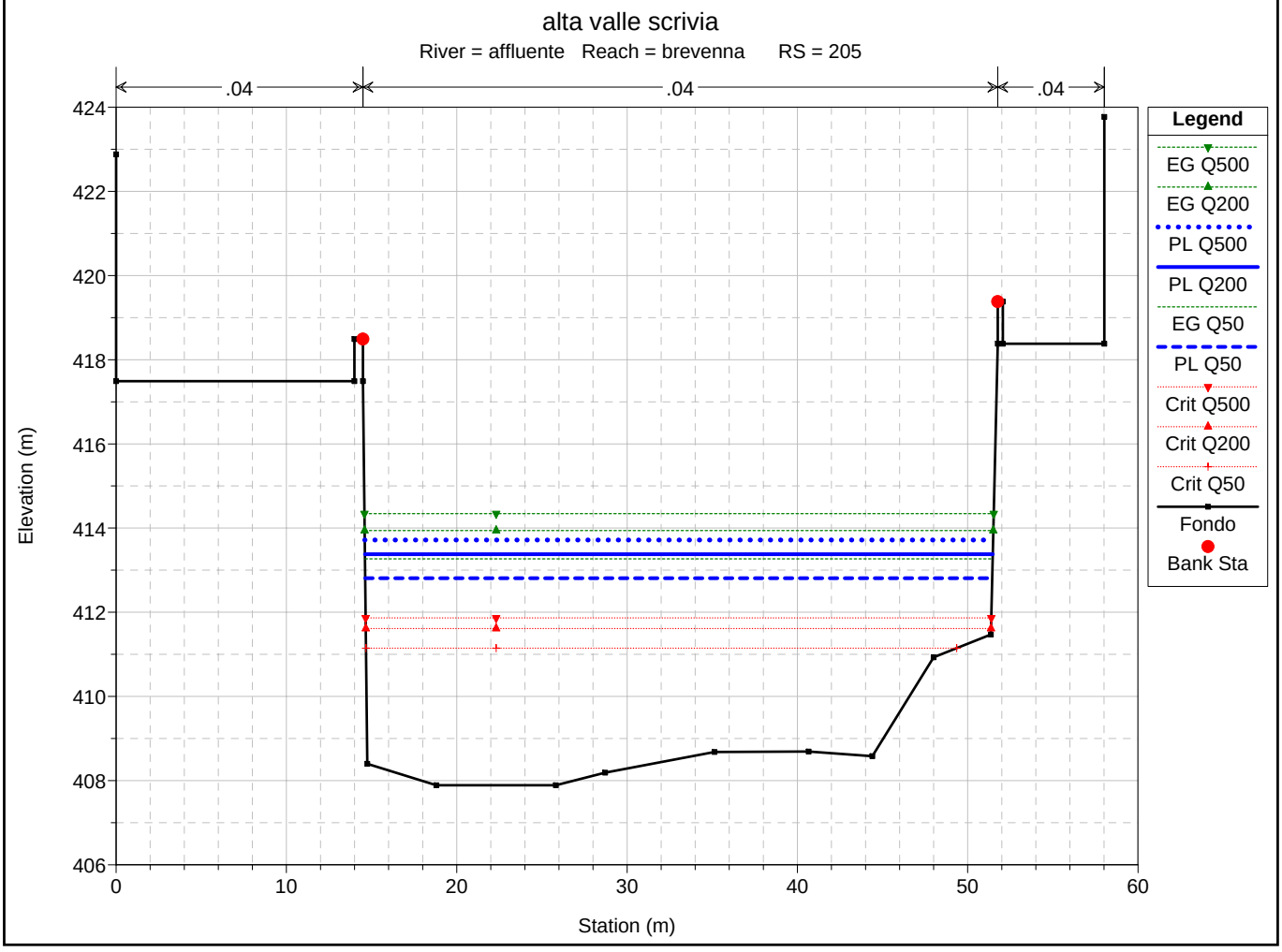
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

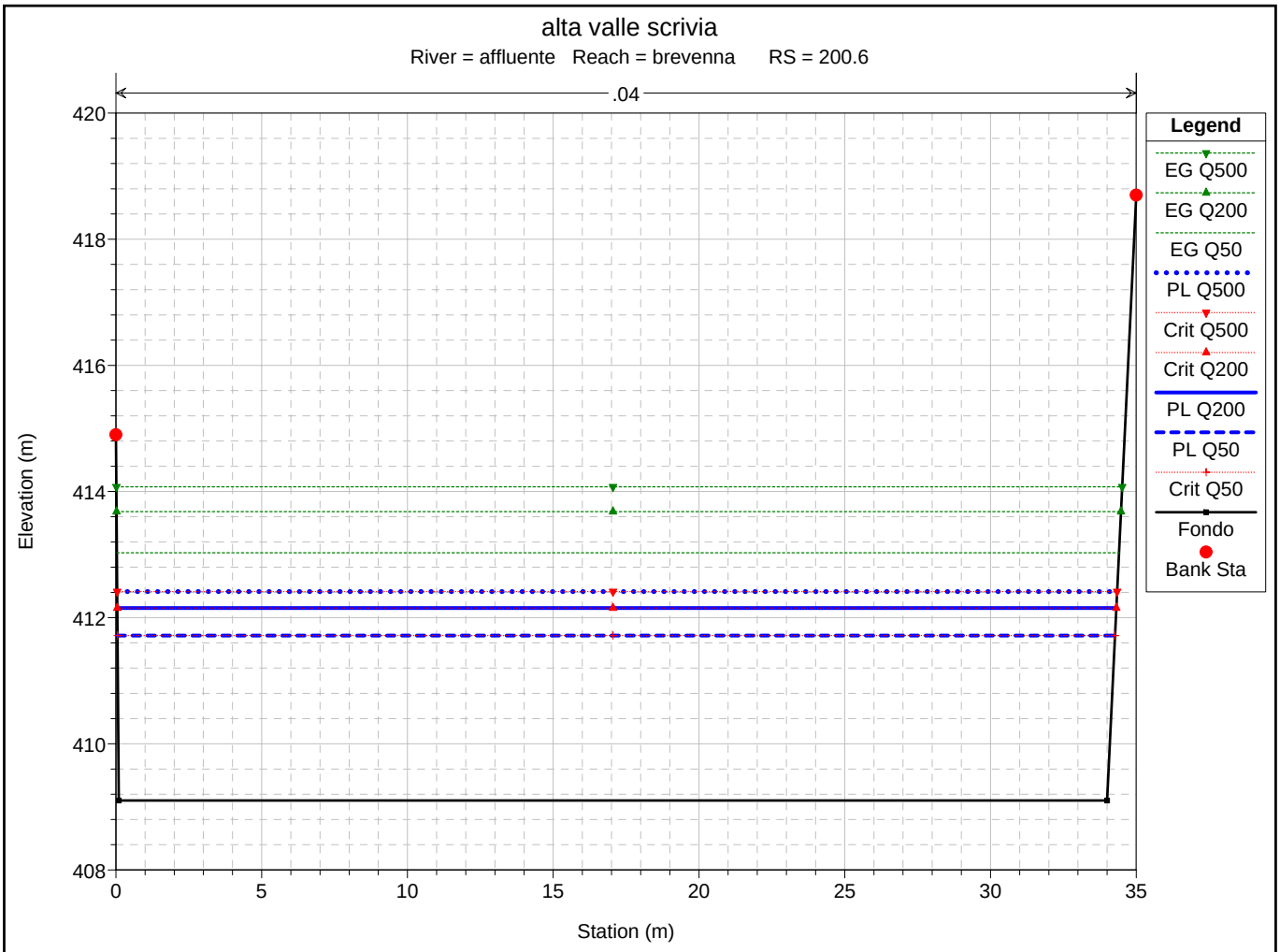

alta valle scrivia
affluente brevenna
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
420
415
410
405
400
0
100
200
300
400
500
Main Channel Distance (m)
190
200
200.1
200.2
200.3
200.4
200.5
200.6
205
208

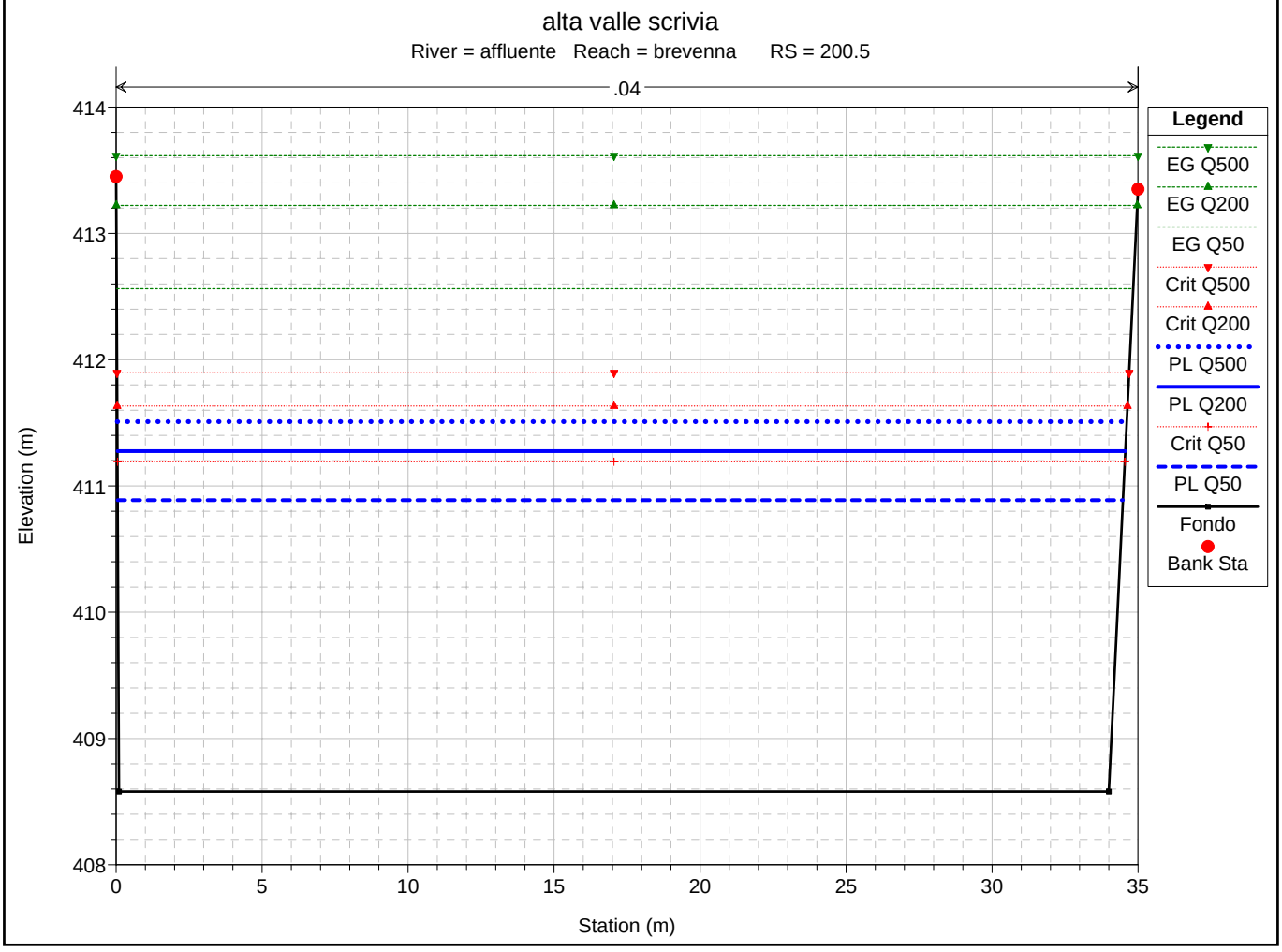

alta valle scrivia
River = affluente Reach = brevenna RS = 210
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

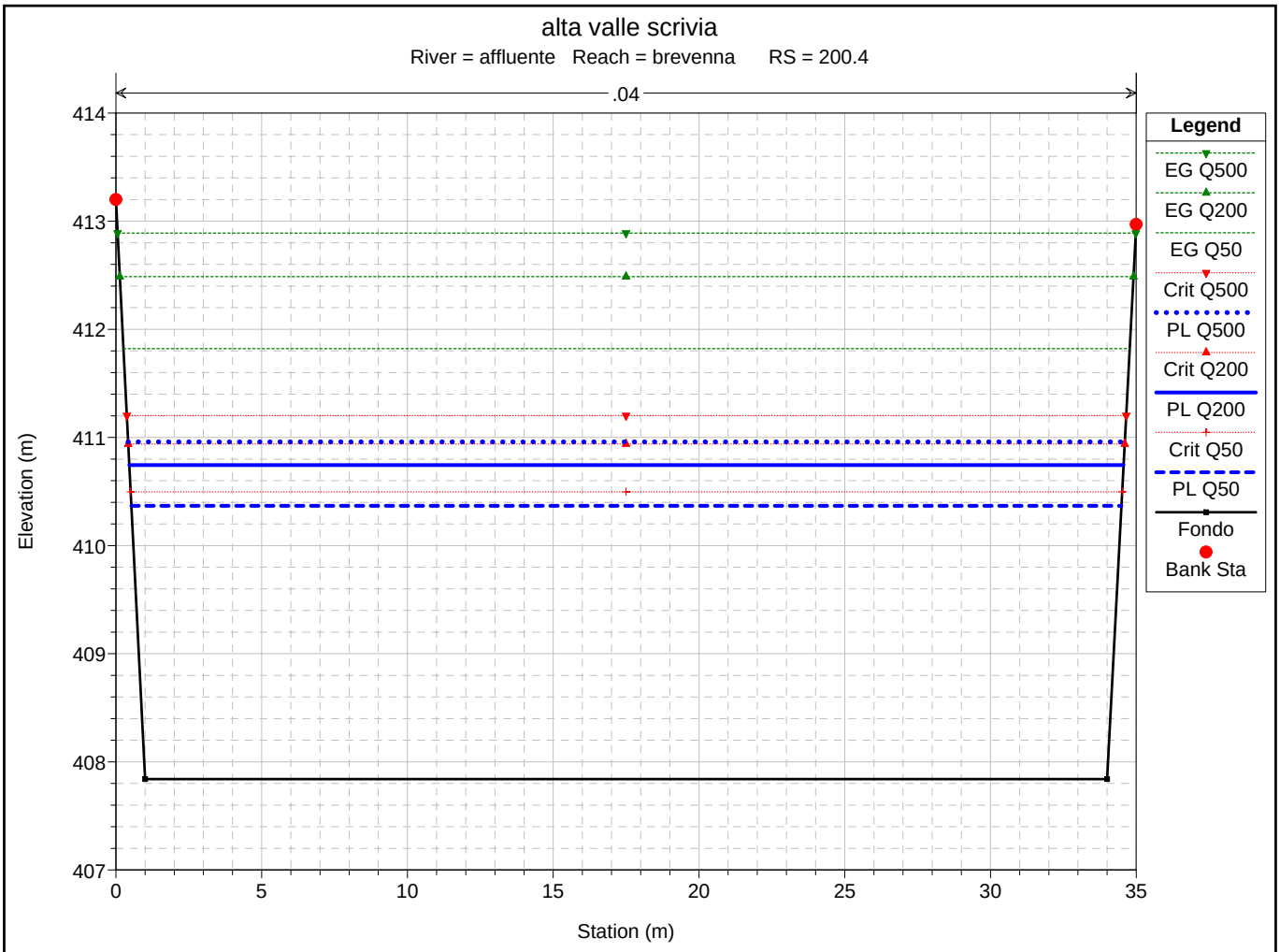

alta valle scrivia
River = affluente Reach = brevenna RS = 208 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

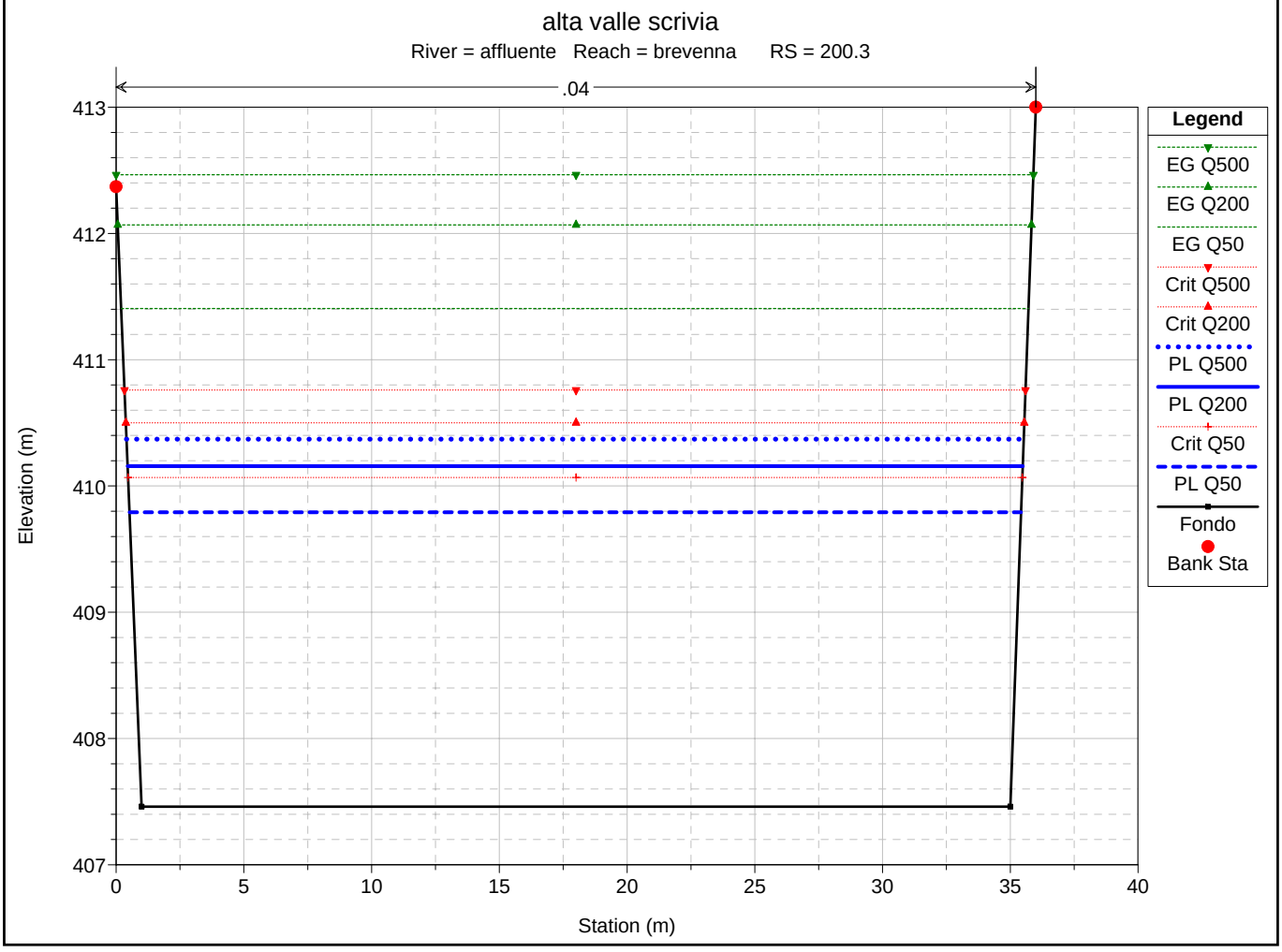

alta valle scrivia
River = affluente Reach = brevenna RS = 208 BR
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

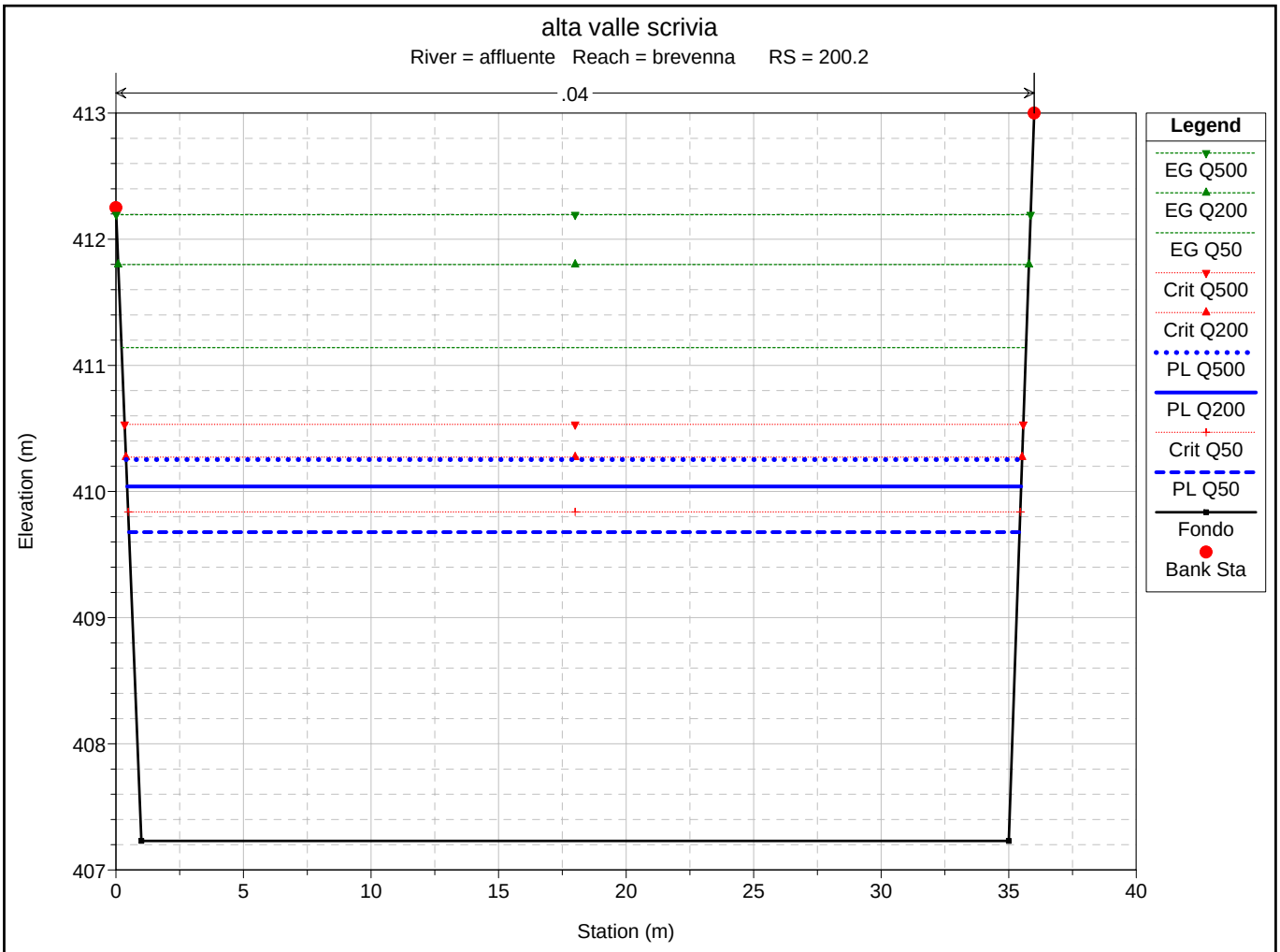

alta valle scrivia
River = affluente Reach = brevenna RS = 205
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

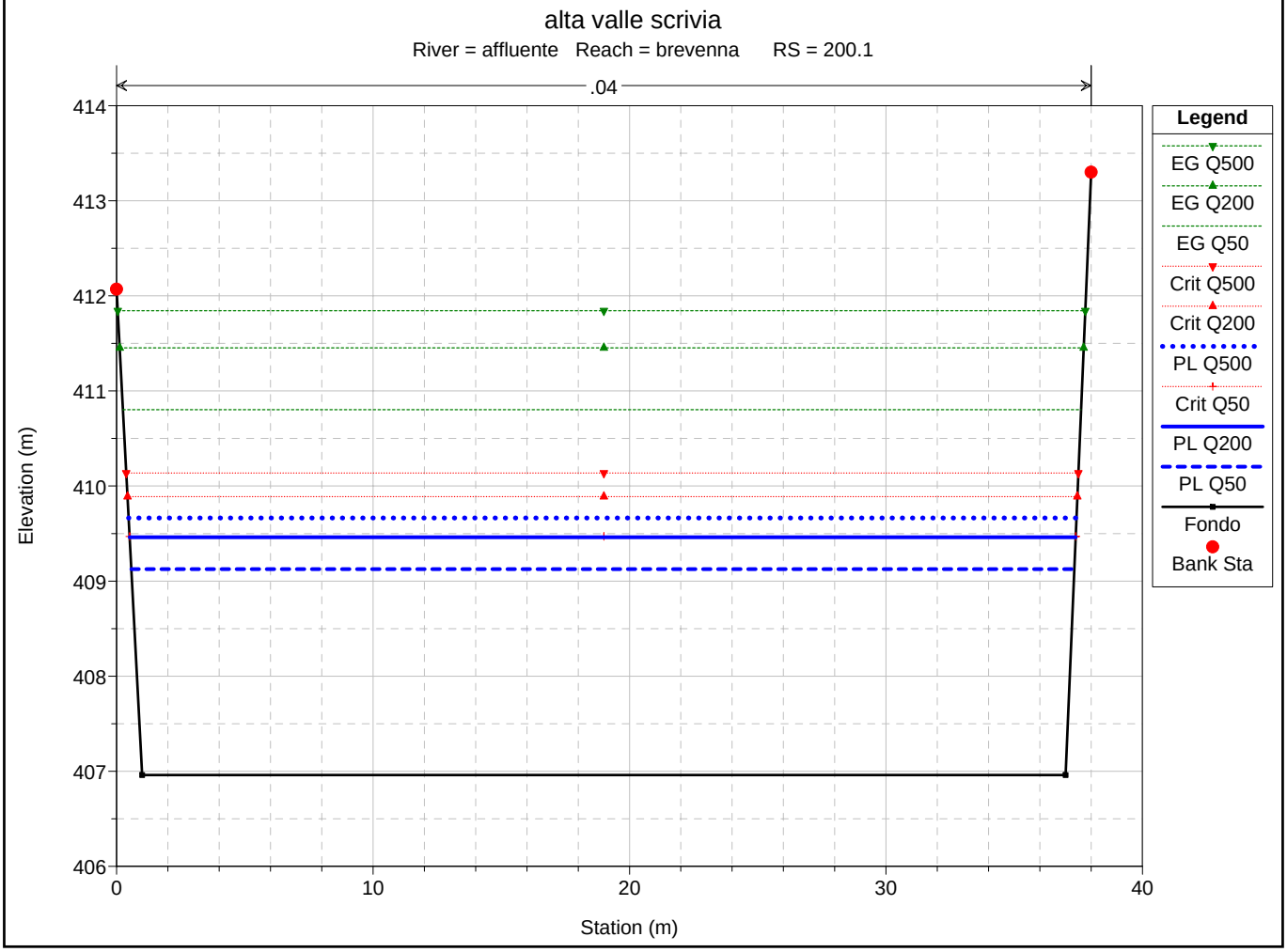

alta valle scrivia
River = affluente Reach = brevenna RS = 200.6
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

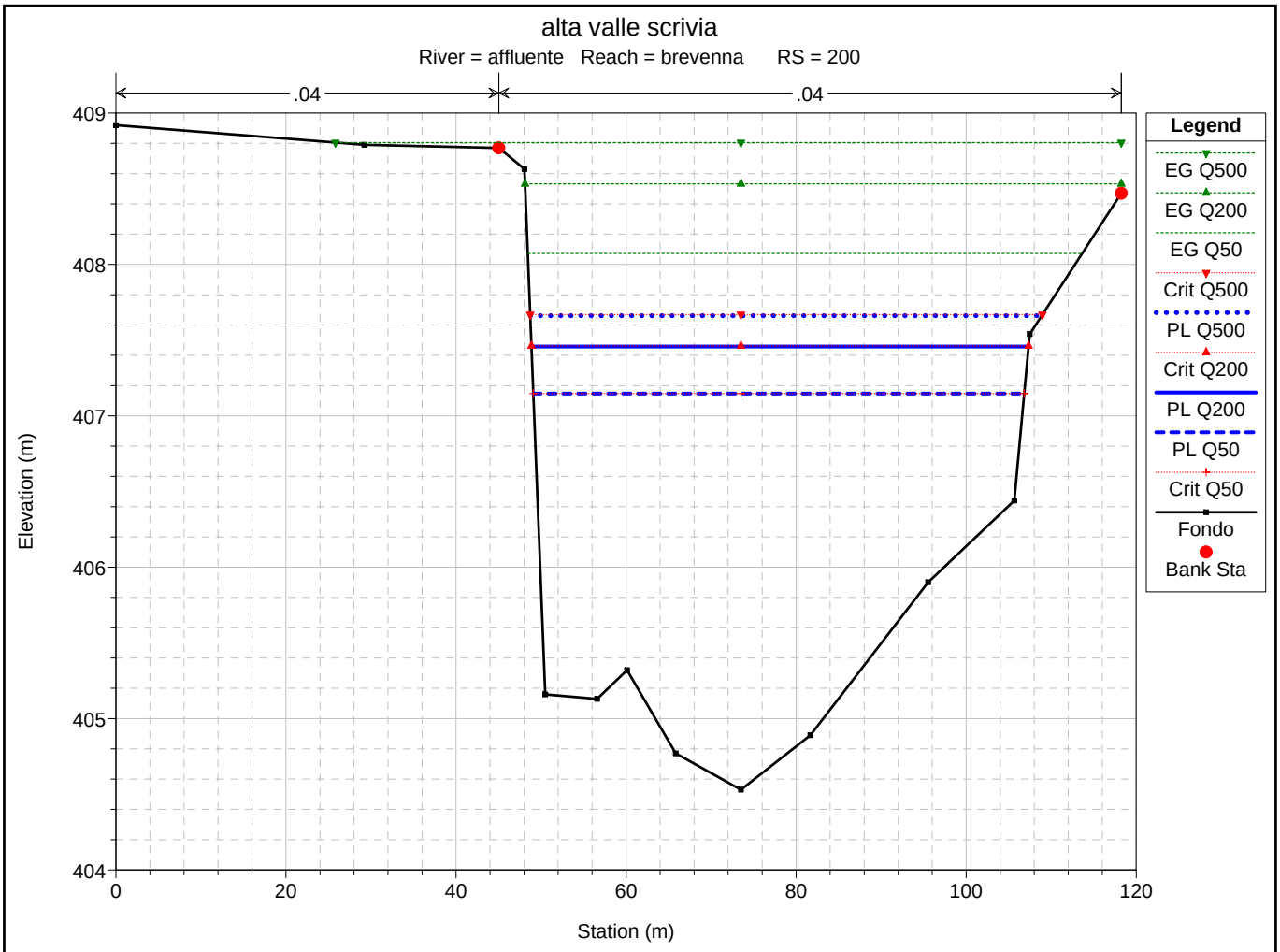

alta valle scrivia
River = affluente Reach = brevenna RS = 200.5
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

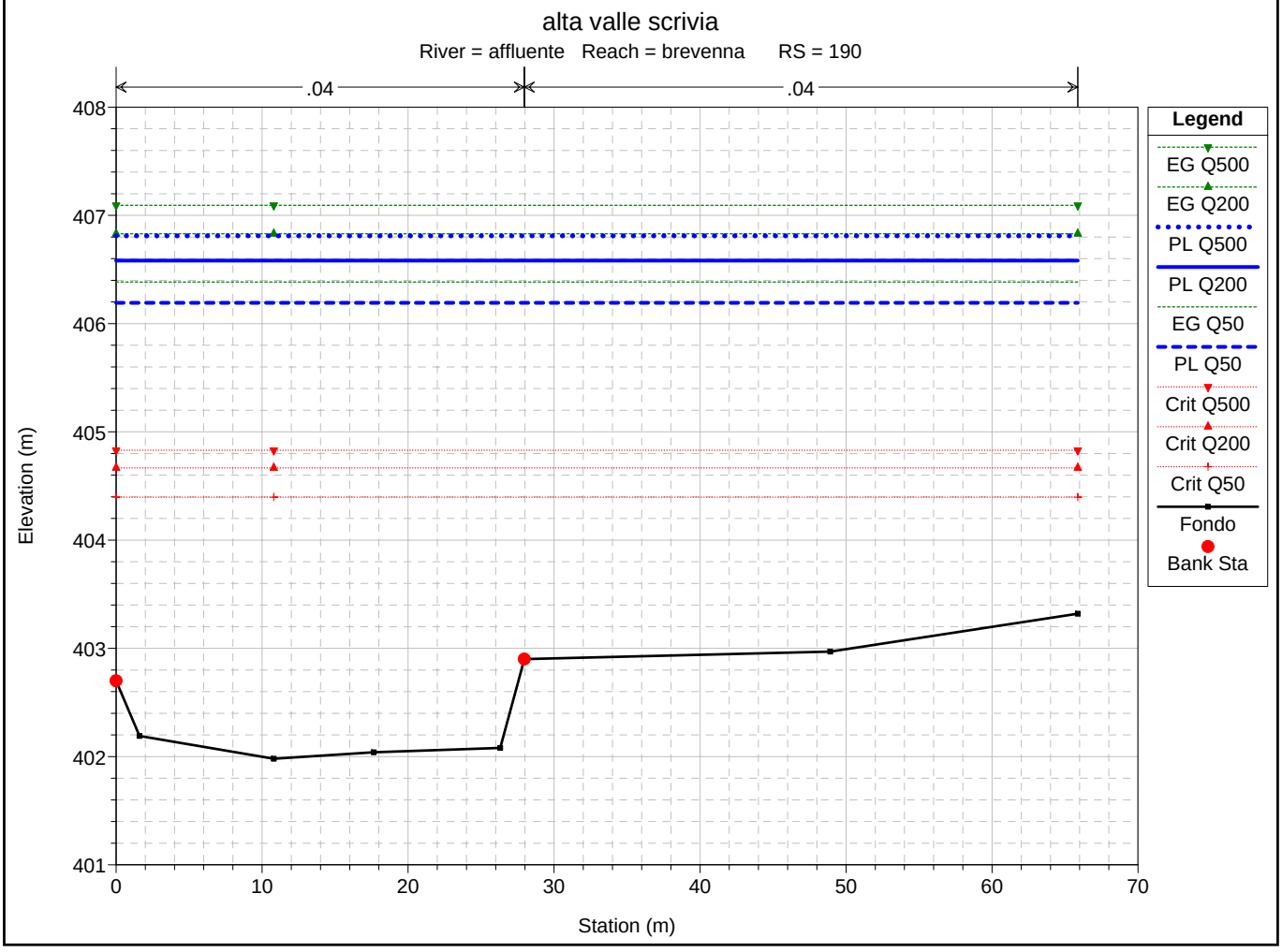

alta valle scrivia
River = affluente Reach = brevenna RS = 200.4
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta


alta valle scrivia
River = affluente Reach = brevenna RS = 200.3
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta


alta valle scrivia
River = affluente Reach = brevenna RS = 200.2
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta


alta valle scrivia
River = affluente Reach = brevenna RS = 200.1
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta


alta valle scrivia
River = affluente Reach = brevenna RS = 200
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

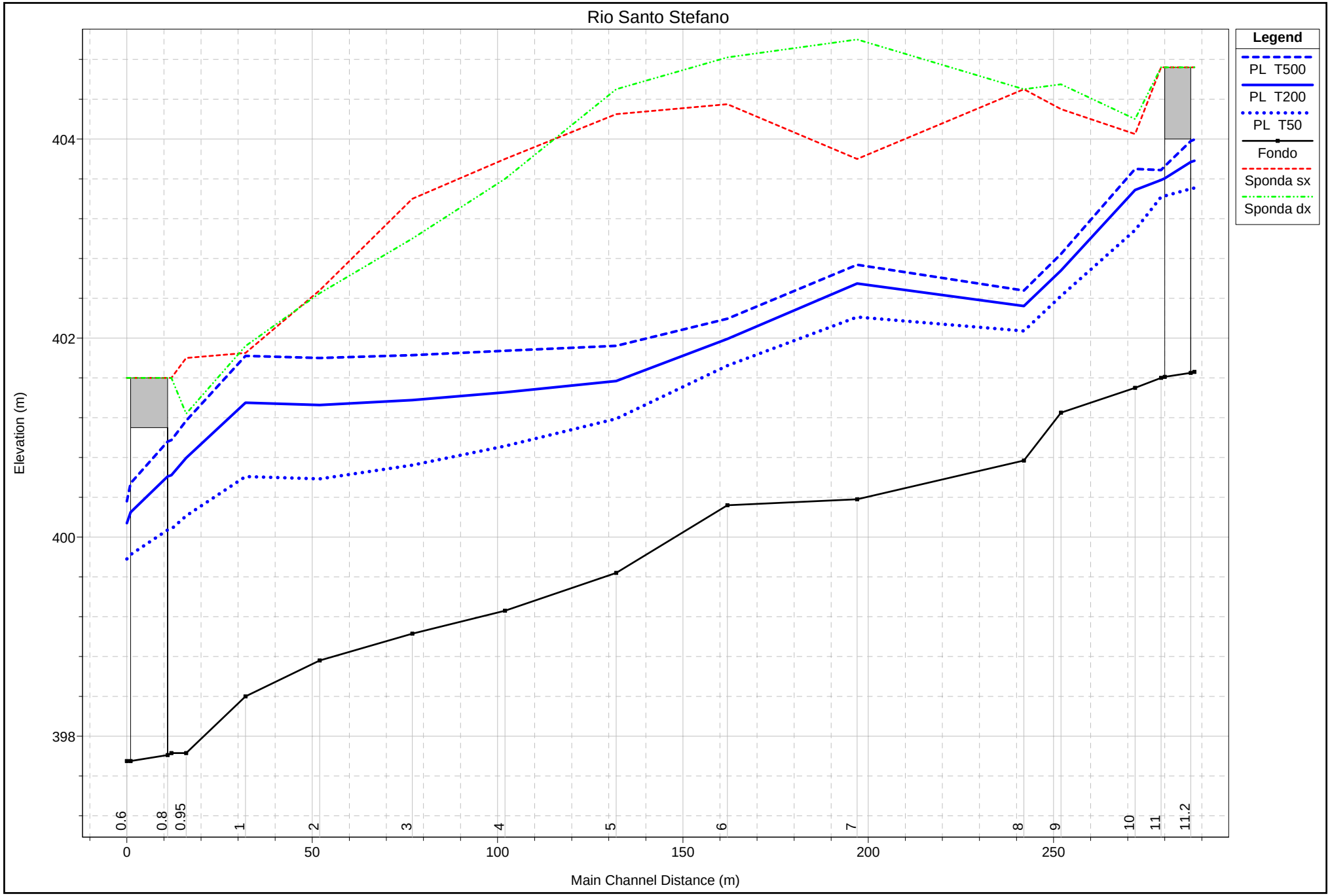

alta valle scrivia
River = affluente Reach = brevenna RS = 190
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

HEC-RAS Plan: 02_Rev B River: affluente Reach: brevenna

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
brevenna	210	Q50	452.00	407.89	413.20	418.49	5.29	419.38	6.18	411.15	413.58	0.002066	2.74	164.81	36.85	0.41
brevenna	210	Q200	570.00	407.89	413.84	418.49	4.65	419.38	5.54	411.61	414.31	0.002180	3.02	188.57	36.90	0.43
brevenna	210	Q500	645.00	407.89	414.23	418.49	4.26	419.38	5.15	411.86	414.75	0.002238	3.18	202.85	36.94	0.43
brevenna	208		Bridge													
brevenna	205	Q50	452.00	407.89	412.81	418.49	5.68	419.38	6.57	411.15	413.27	0.002733	3.00	150.45	36.81	0.47
brevenna	205	Q200	570.00	407.89	413.38	418.49	5.11	419.38	6.00	411.61	413.94	0.002916	3.33	171.36	36.86	0.49
brevenna	205	Q500	645.00	407.89	413.72	418.49	4.77	419.38	5.66	411.87	414.34	0.003015	3.51	183.83	36.89	0.50
brevenna	200.6	Q50	452.00	409.10	411.72	414.90	3.18	418.70	6.98	411.72	413.03	0.013770	5.07	89.06	34.22	1.00
brevenna	200.6	Q200	570.00	409.10	412.15	414.90	2.75	418.70	6.55	412.15	413.68	0.013447	5.48	104.01	34.27	1.00
brevenna	200.6	Q500	645.00	409.10	412.41	414.90	2.49	418.70	6.29	412.41	414.07	0.013292	5.71	113.00	34.30	1.00
brevenna	200.5	Q50	452.00	408.58	410.89	413.45	2.56	413.35	2.46	411.19	412.56	0.020257	5.73	78.86	34.43	1.21
brevenna	200.5	Q200	570.00	408.58	411.28	413.45	2.17	413.35	2.07	411.63	413.22	0.019639	6.18	92.22	34.52	1.21
brevenna	200.5	Q500	645.00	408.58	411.51	413.45	1.94	413.35	1.84	411.90	413.62	0.019309	6.43	100.30	34.57	1.21
brevenna	200.4	Q50	452.00	407.84	410.37	413.20	2.83	412.97	2.60	410.50	411.82	0.015763	5.34	84.65	33.96	1.08
brevenna	200.4	Q200	570.00	407.84	410.74	413.20	2.46	412.97	2.23	410.94	412.49	0.016107	5.85	97.43	34.11	1.10
brevenna	200.4	Q500	645.00	407.84	410.96	413.20	2.24	412.97	2.01	411.20	412.89	0.016423	6.16	104.79	34.19	1.12
brevenna	200.3	Q50	452.00	407.46	409.79	412.37	2.58	413.00	3.21	410.07	411.41	0.019175	5.63	80.32	34.90	1.18
brevenna	200.3	Q200	570.00	407.46	410.16	412.37	2.21	413.00	2.84	410.50	412.07	0.019120	6.12	93.09	35.04	1.20
brevenna	200.3	Q500	645.00	407.46	410.37	412.37	2.00	413.00	2.63	410.76	412.47	0.019193	6.41	100.59	35.12	1.21
brevenna	200.2	Q50	452.00	407.23	409.68	412.25	2.57	413.00	3.32	409.84	411.14	0.016424	5.36	84.34	34.91	1.10
brevenna	200.2	Q200	570.00	407.23	410.04	412.25	2.21	413.00	2.96	410.27	411.80	0.016792	5.88	97.01	35.05	1.13
brevenna	200.2	Q500	645.00	407.23	410.25	412.25	2.00	413.00	2.75	410.53	412.19	0.017029	6.17	104.49	35.13	1.14
brevenna	200.1	Q50	452.00	406.96	409.13	412.07	2.94	413.30	4.17	409.47	410.80	0.021625	5.74	78.77	36.77	1.25
brevenna	200.1	Q200	570.00	406.96	409.46	412.07	2.61	413.30	3.84	409.89	411.45	0.021608	6.25	91.17	36.88	1.27
brevenna	200.1	Q500	645.00	406.96	409.66	412.07	2.41	413.30	3.64	410.14	411.84	0.021588	6.54	98.60	36.96	1.28
brevenna	200	Q50	452.00	404.53	407.15	408.77	1.62	408.47	1.32	407.15	408.07	0.013323	4.26	106.03	57.73	1.00
brevenna	200	Q200	570.00	404.53	407.46	408.77	1.31	408.47	1.01	407.46	408.53	0.012821	4.59	124.09	58.46	1.01
brevenna	200	Q500	645.00	404.53	407.66	408.77	1.11	408.47	0.81	407.67	408.81	0.012556	4.74	136.10	60.14	1.01
brevenna	190	Q50	452.00	401.98	406.19	402.70	-3.49	402.90	-3.29	404.40	406.38	0.001233	2.06	234.26	65.87	0.33
brevenna	190	Q200	570.00	401.98	406.58	402.70	-3.88	402.90	-3.68	404.67	406.83	0.001410	2.33	259.94	65.87	0.35
brevenna	190	Q500	645.00	401.98	406.81	402.70	-4.11	402.90	-3.91	404.83	407.09	0.001511	2.48	275.01	65.87	0.36

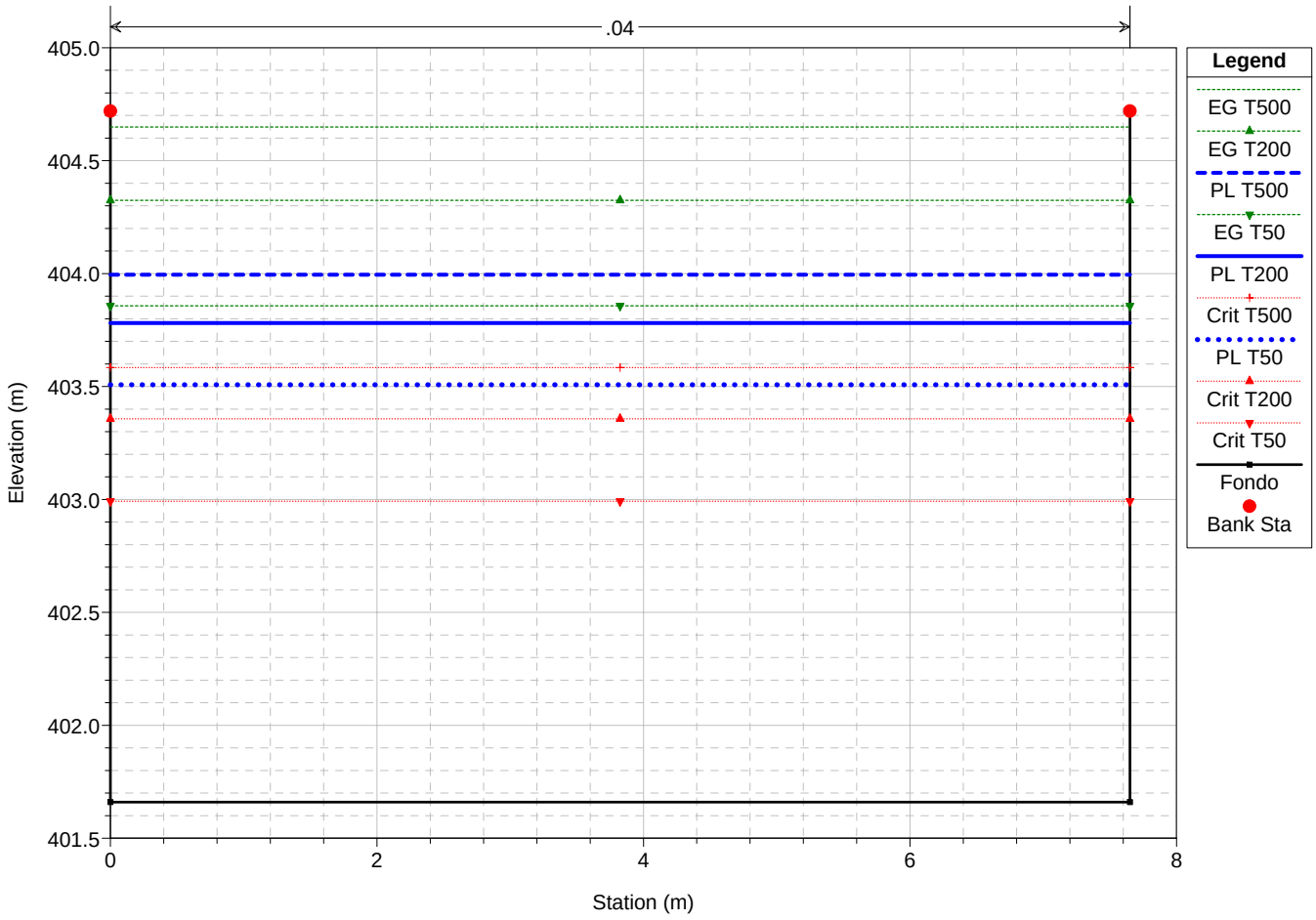
Rio Santo Stefano

- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati


Rio Santo Stefano
Legend
PL T500
PL T200
PL T50
Fondo
Sponda sx
Sponda dx
Elevation (m)
404
402
400
398
0.6
0.8
0.95
1
2
3
4
5
6
7
8
9
10
11
11.2
0
50
100
150
200
250
Main Channel Distance (m)

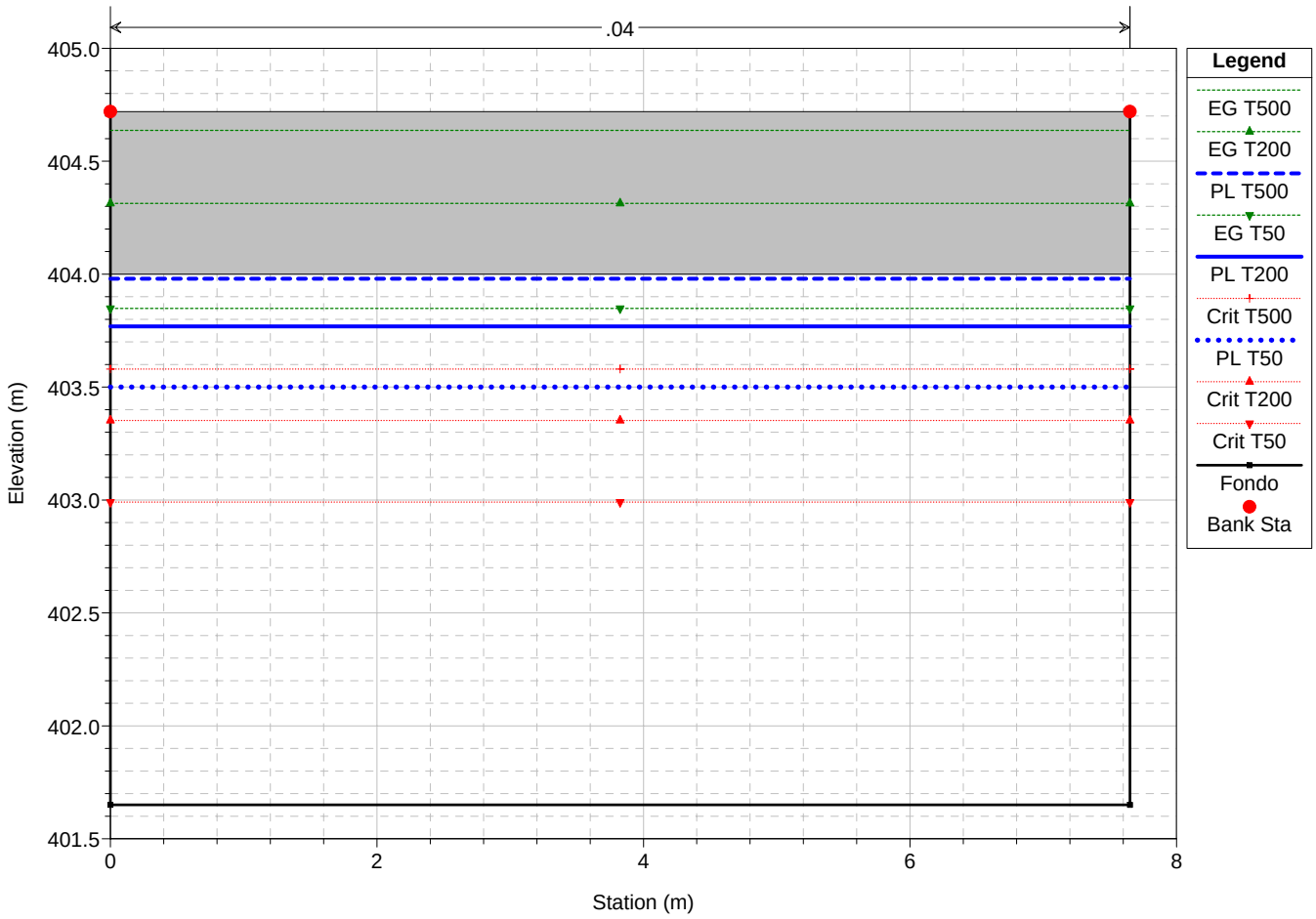
Rio Santo Stefano

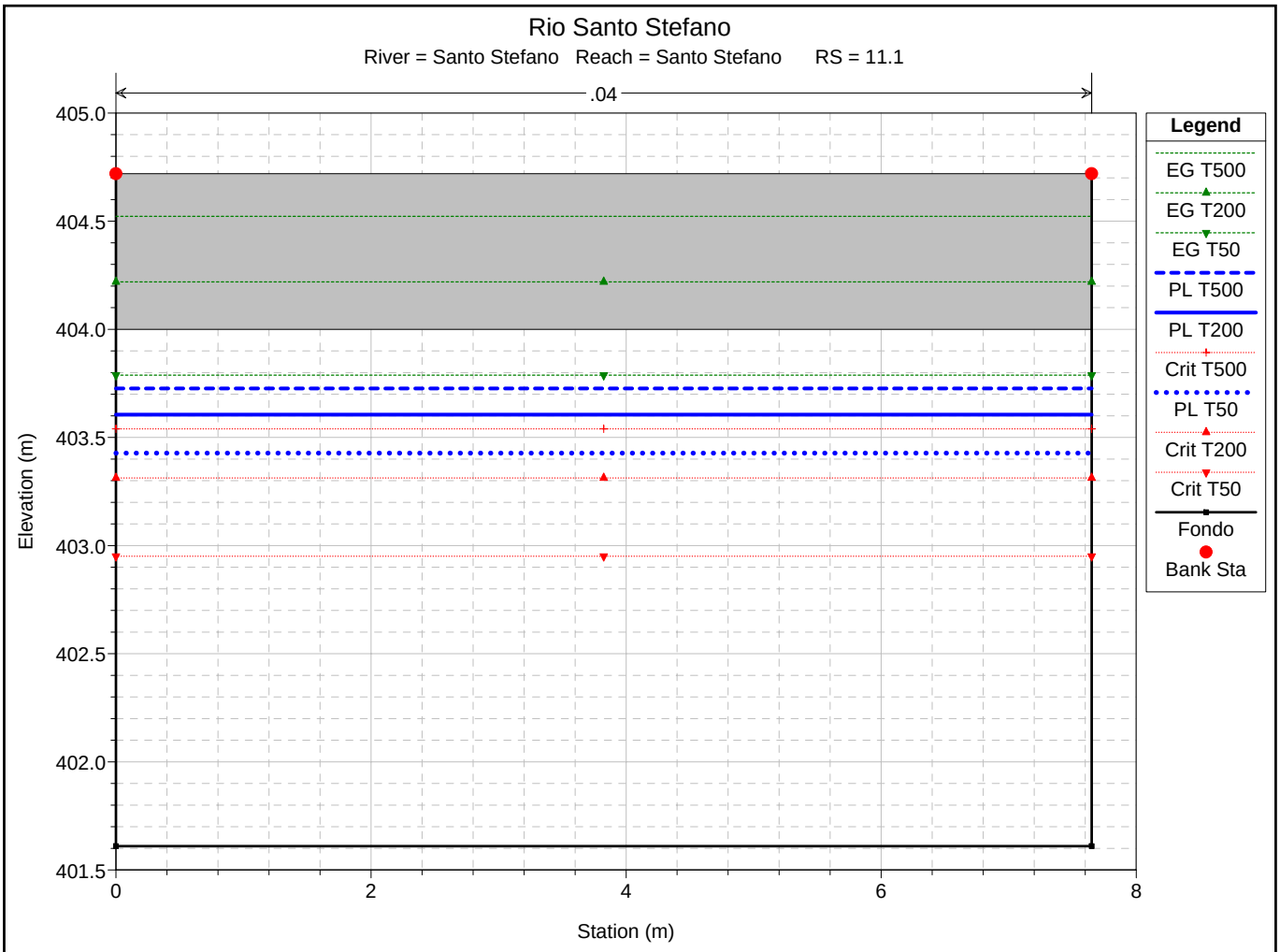
River = Santo Stefano Reach = Santo Stefano RS = 11.3

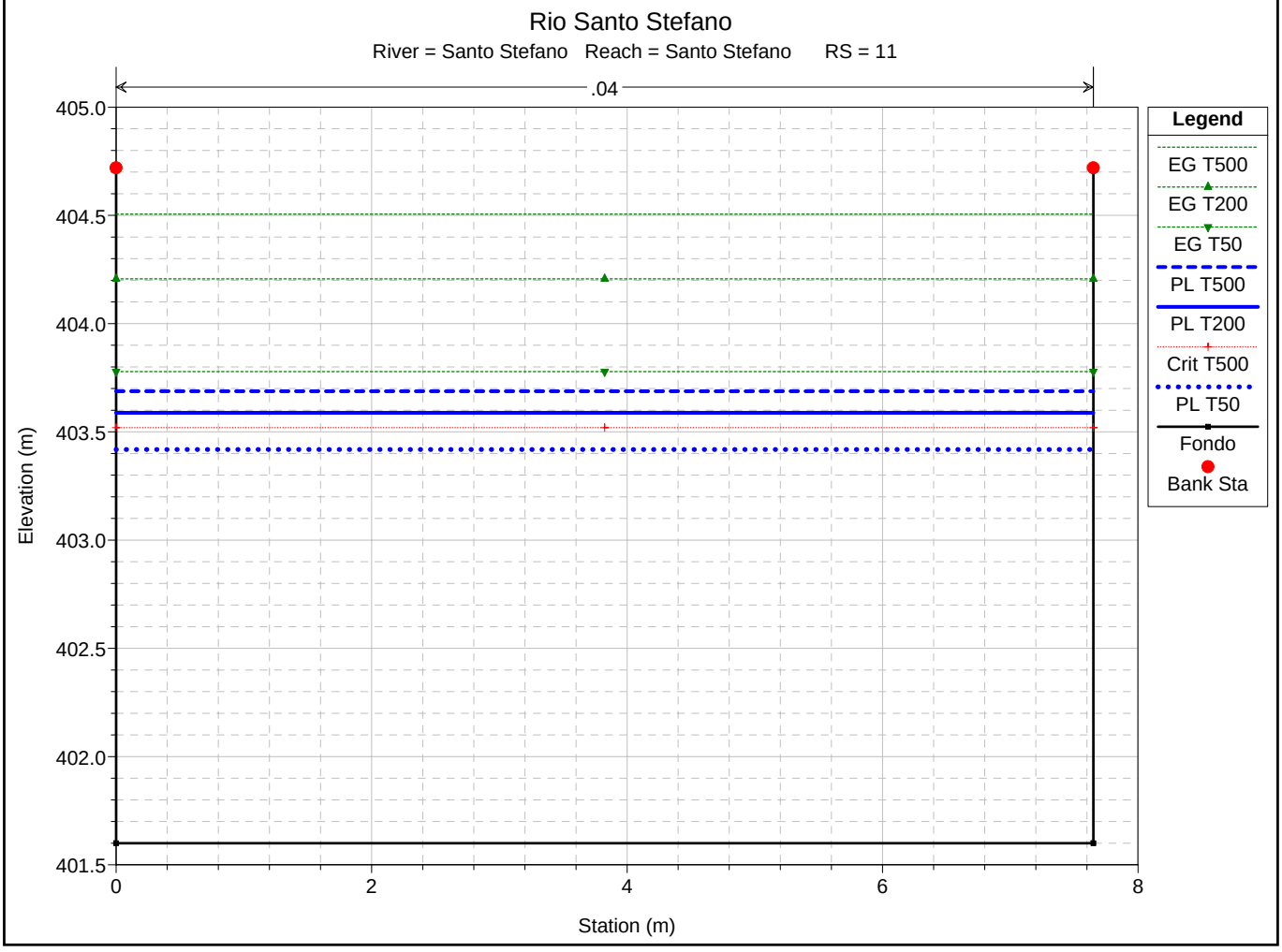


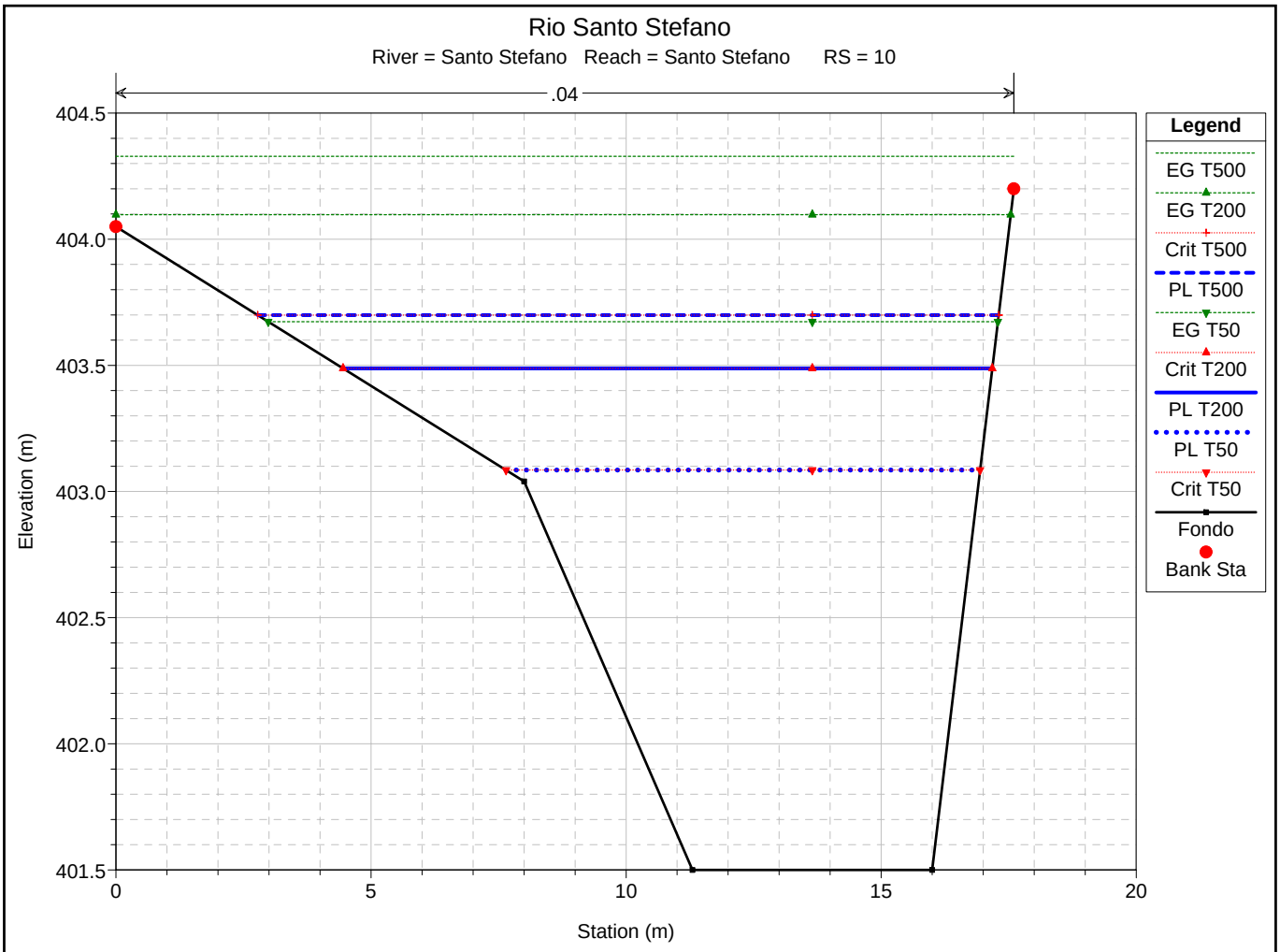
Rio Santo Stefano

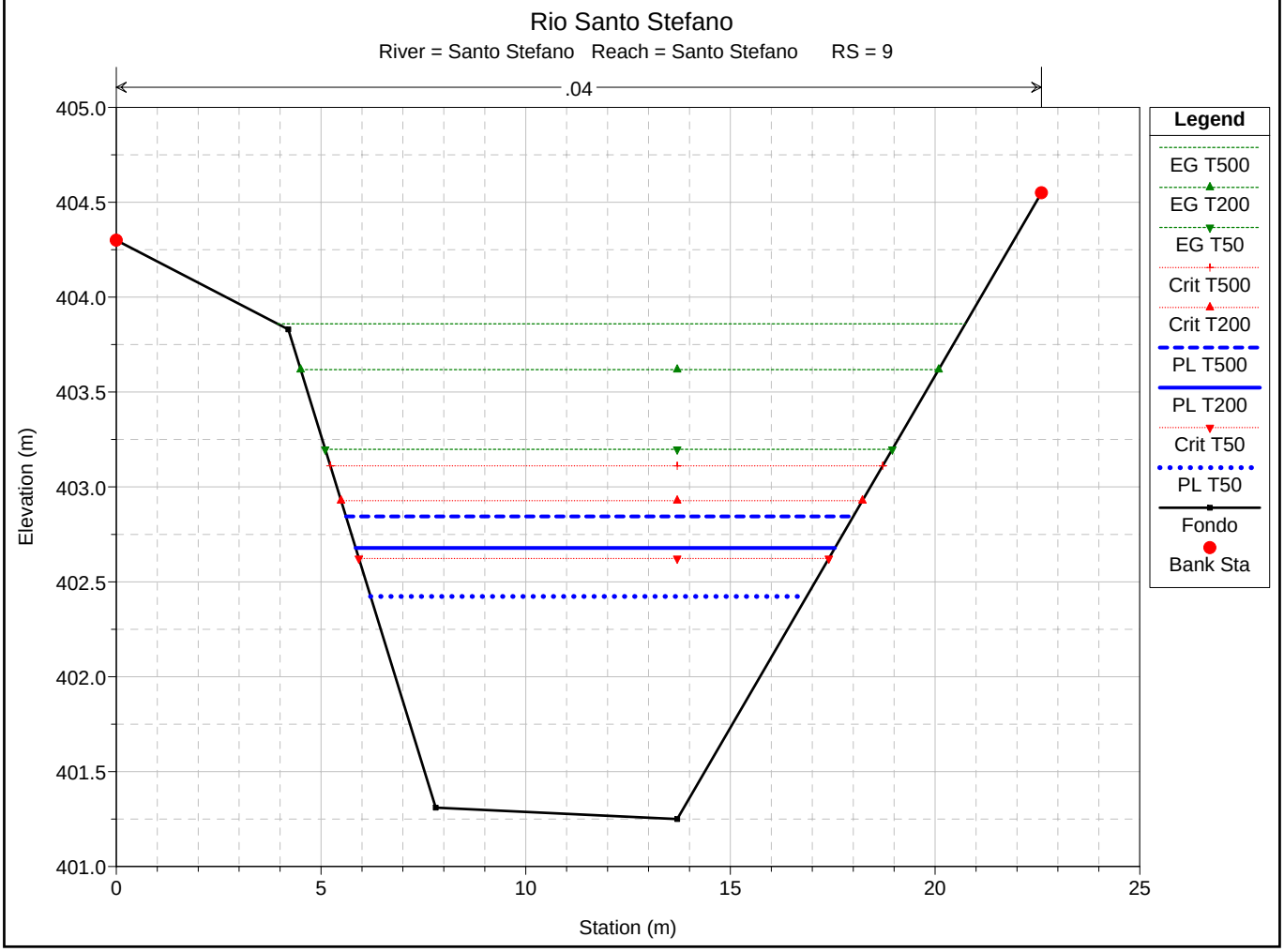
River = Santo Stefano Reach = Santo Stefano RS = 11.2

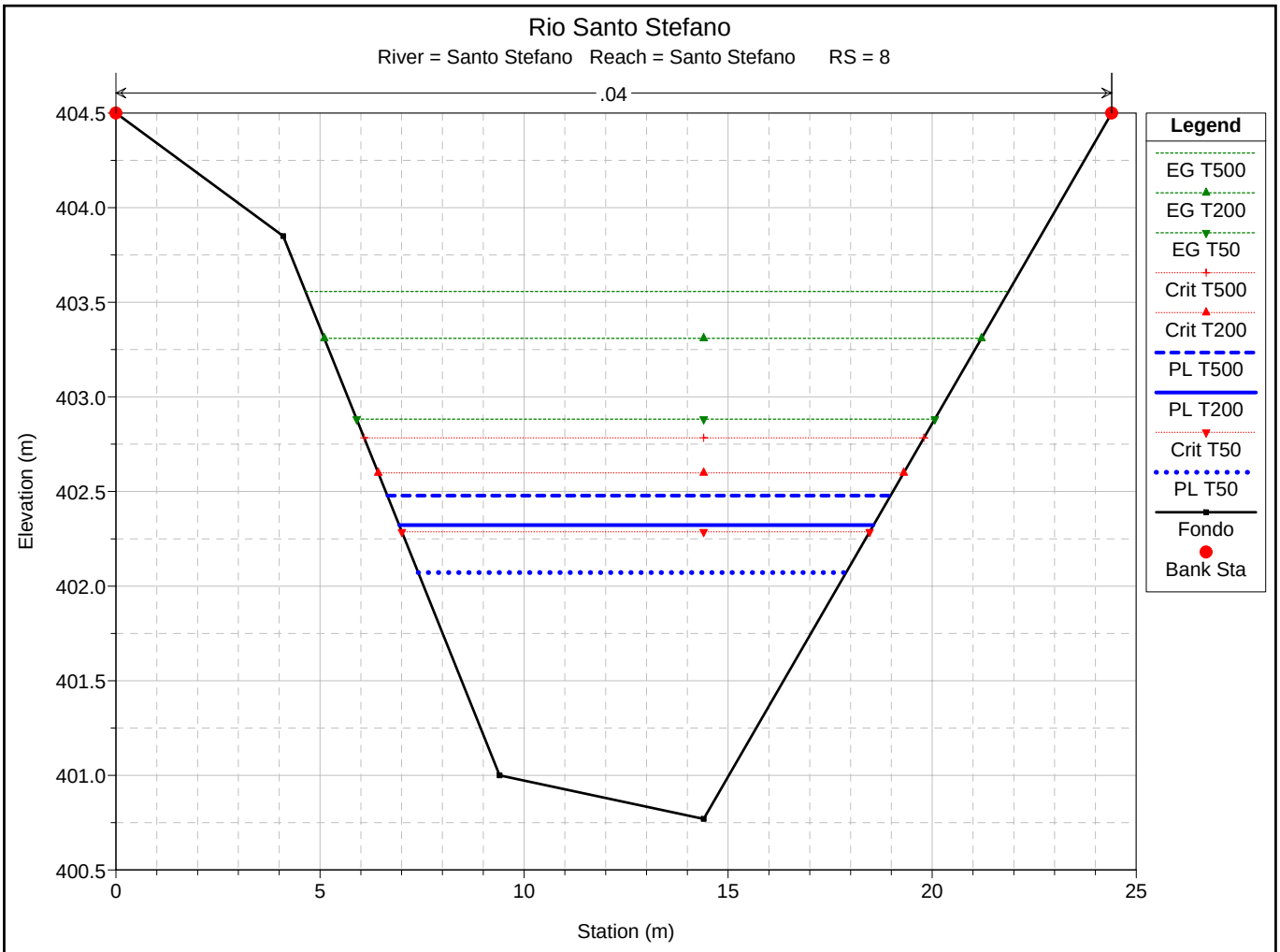


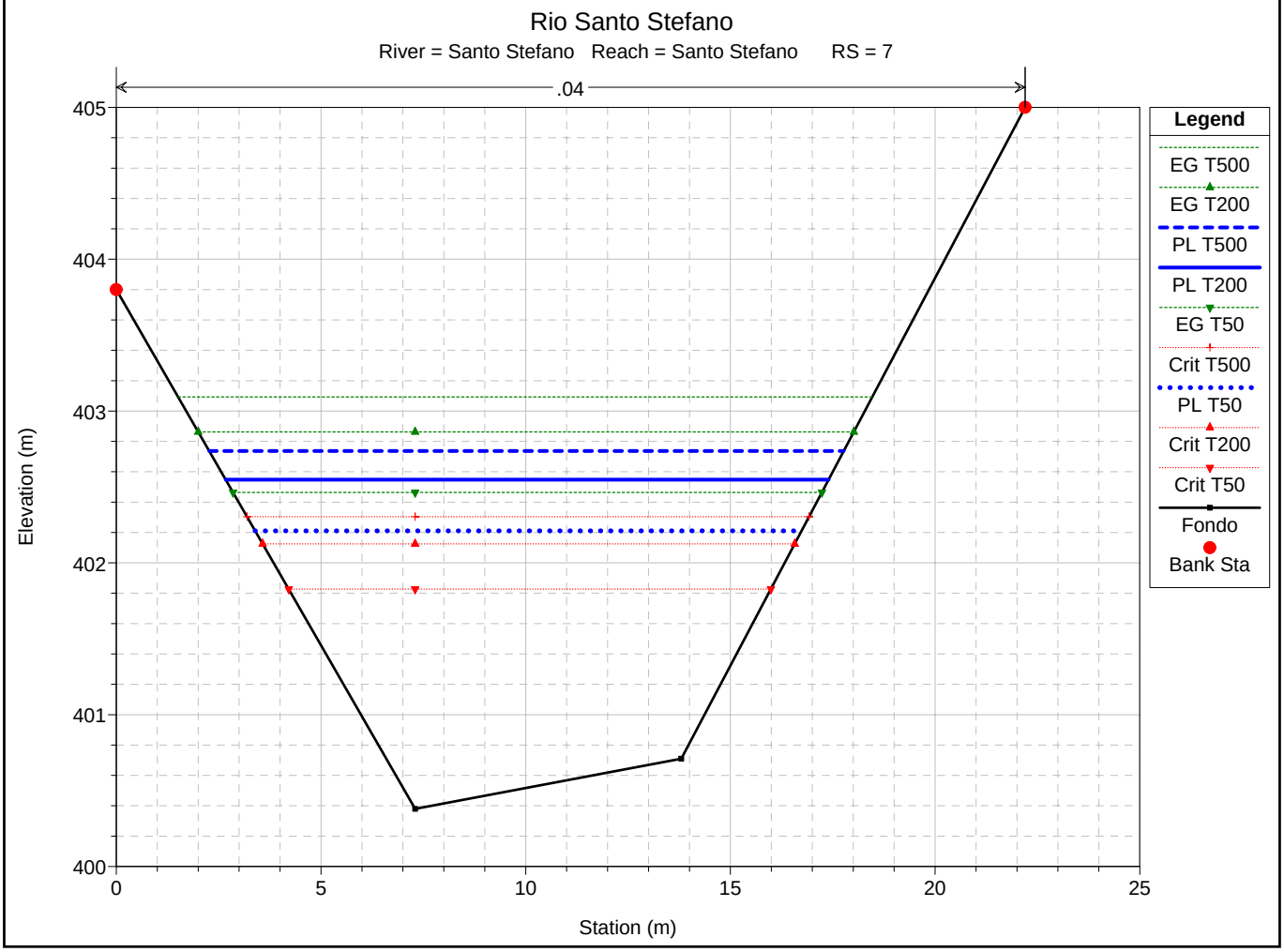

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 11.1
.04
405.0
404.5
404.0
403.5
403.0
402.5
402.0
401.5
Elevation (m)
0
2
4
6
8
Station (m)
Legend
EG T500
EG T200
EG T50
PL T500
PL T200
Crit T500
PL T50
Crit T200
Crit T50
Fondo
Bank Sta

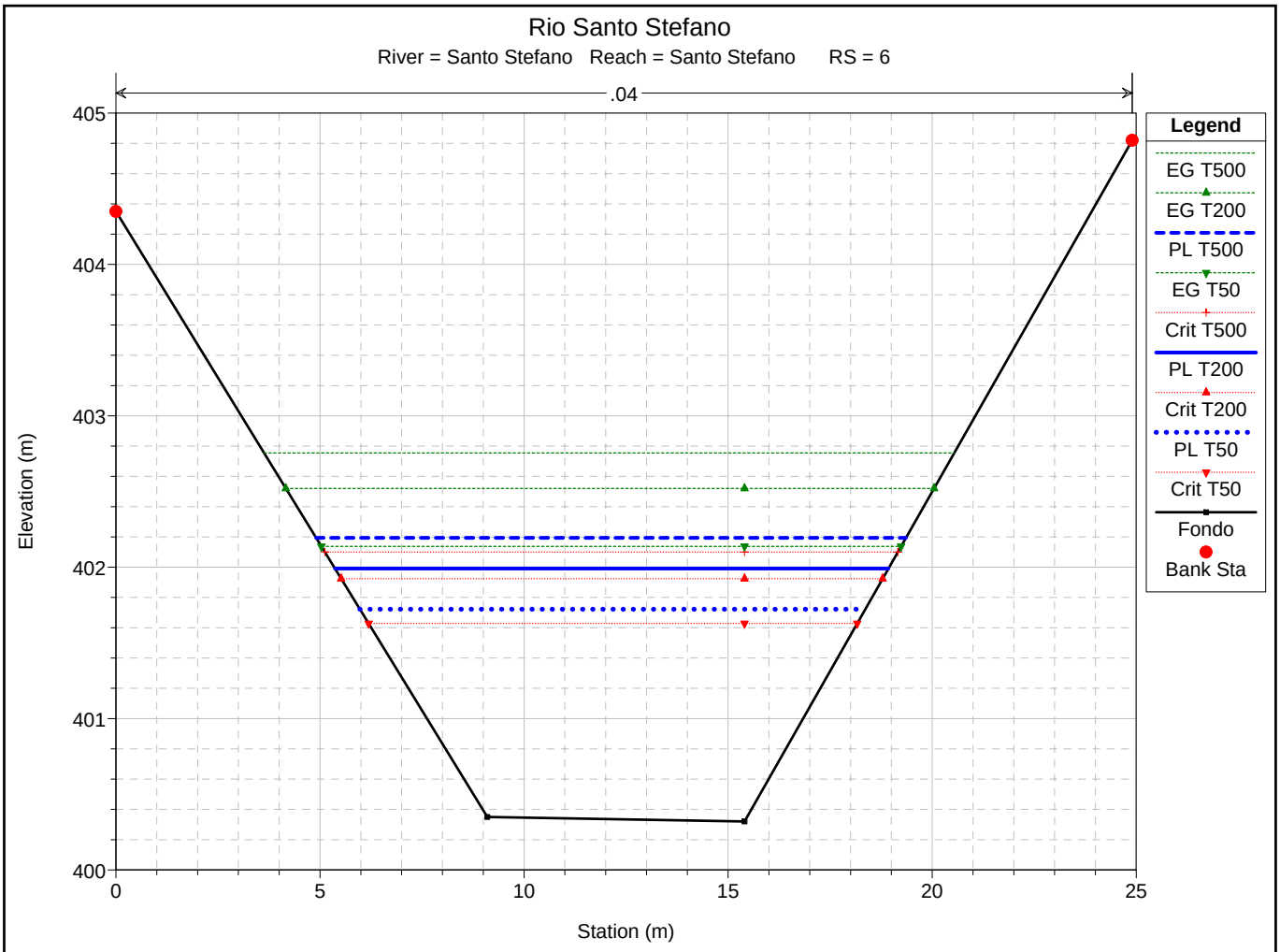

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 11
.04
405.0
404.5
404.0
403.5
403.0
402.5
402.0
401.5
Elevation (m)
0
2
4
6
8
Station (m)
Legend
EG T500
EG T200
EG T50
PL T500
PL T200
Crit T500
PL T50
Fondo
Bank Sta

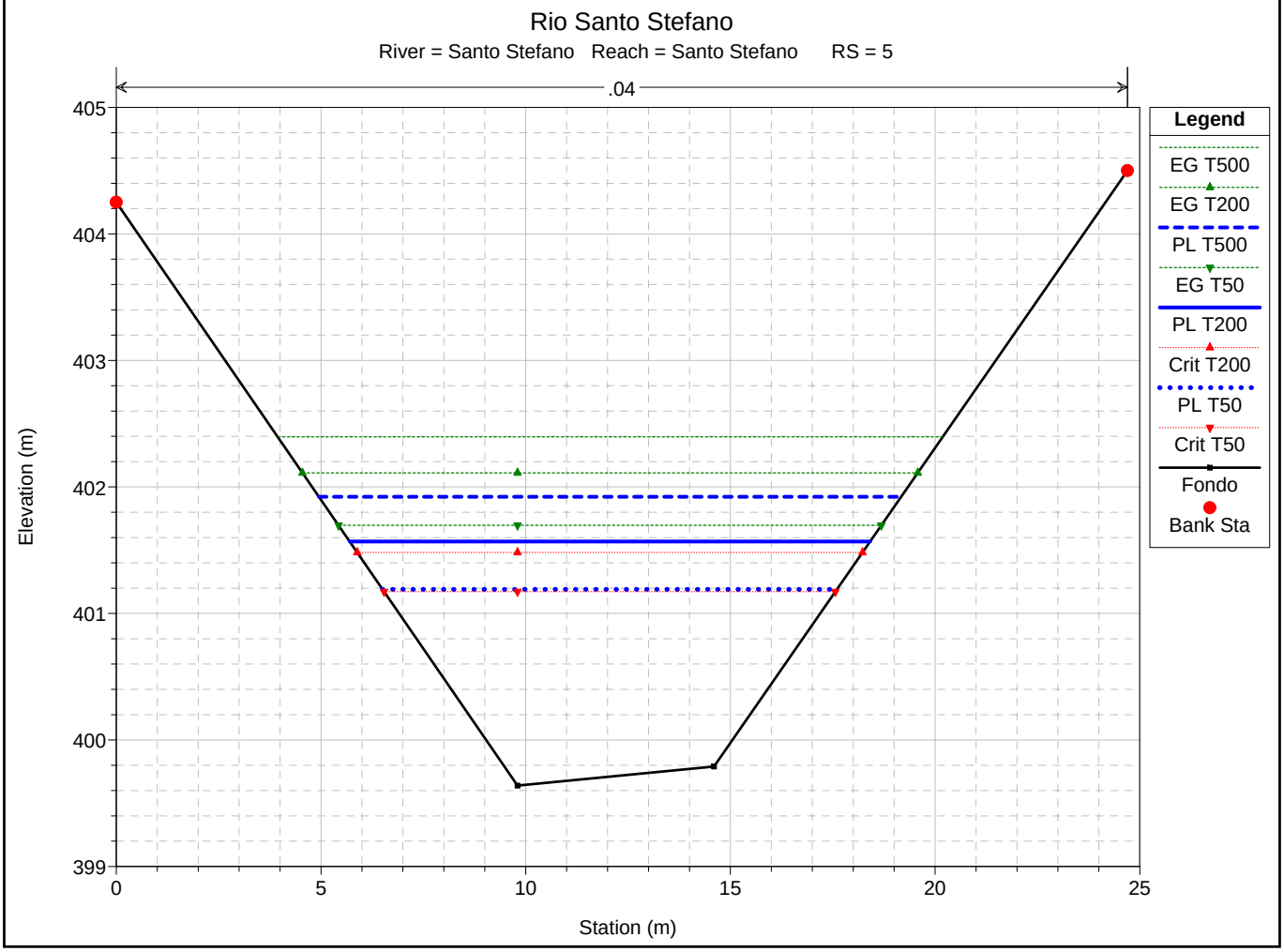

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 10
.04
Elevation (m)
Station (m)
Legend
EG T500
EG T200
Crit T500
PL T500
EG T50
Crit T200
PL T200
PL T50
Crit T50
Fondo
Bank Sta

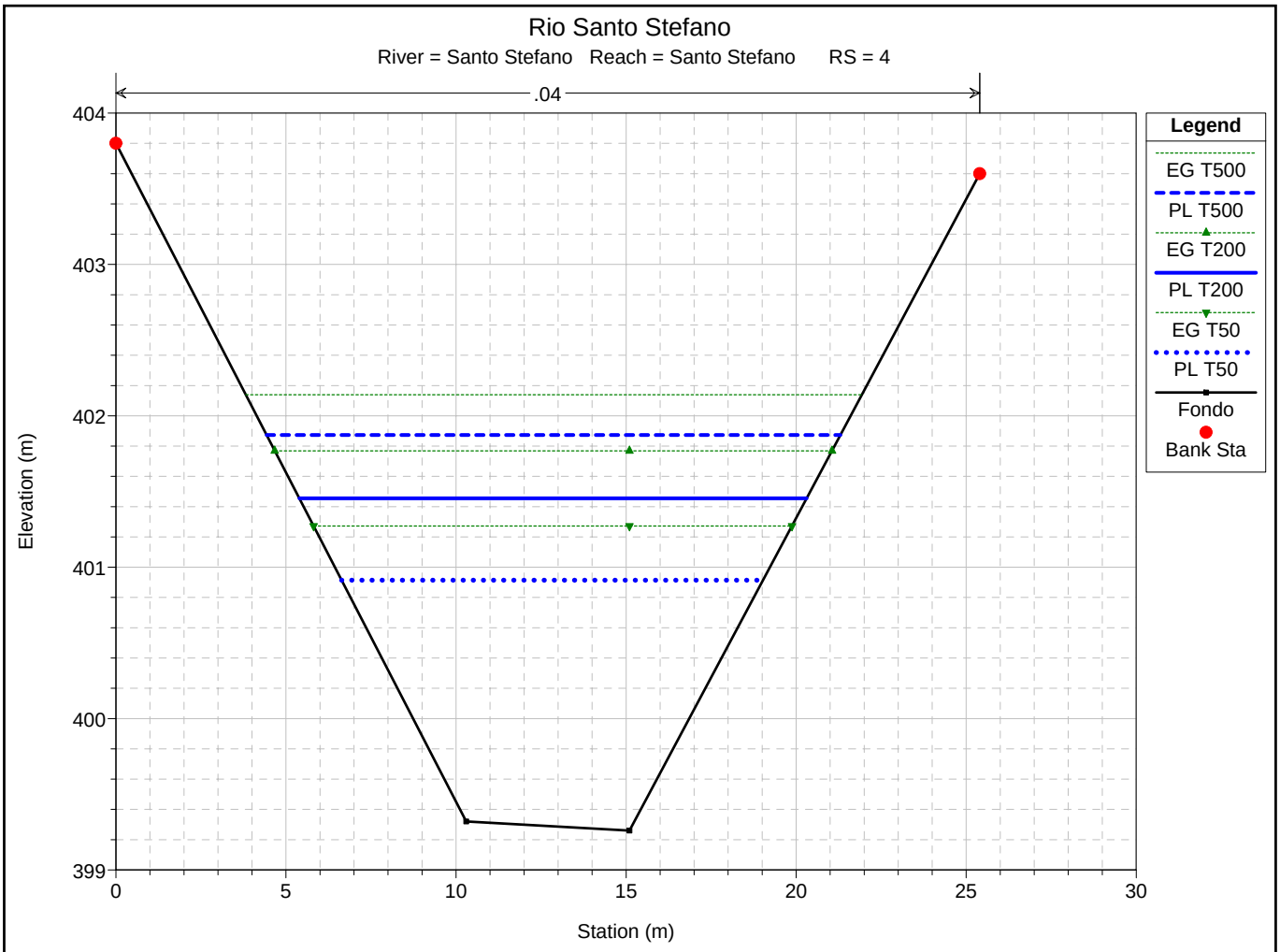

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 9
.04
Elevation (m)
Station (m)
Legend
EG T500
EG T200
EG T50
Crit T500
Crit T200
PL T500
PL T200
Crit T50
PL T50
Fondo
Bank Sta

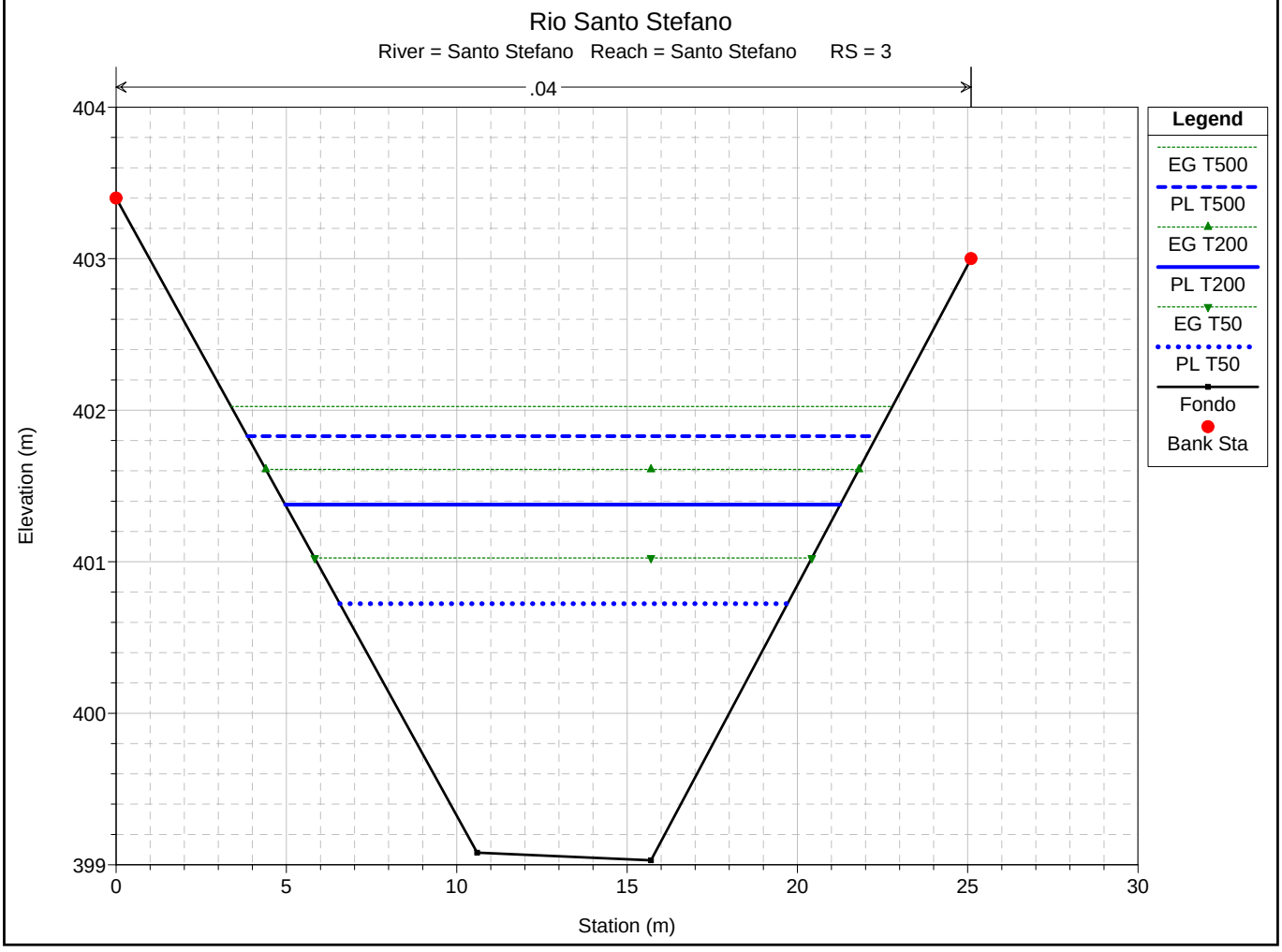

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 8
.04
Elevation (m)
Station (m)
Legend
EG T500
EG T200
EG T50
Crit T500
Crit T200
PL T500
PL T200
Crit T50
PL T50
Fondo
Bank Sta

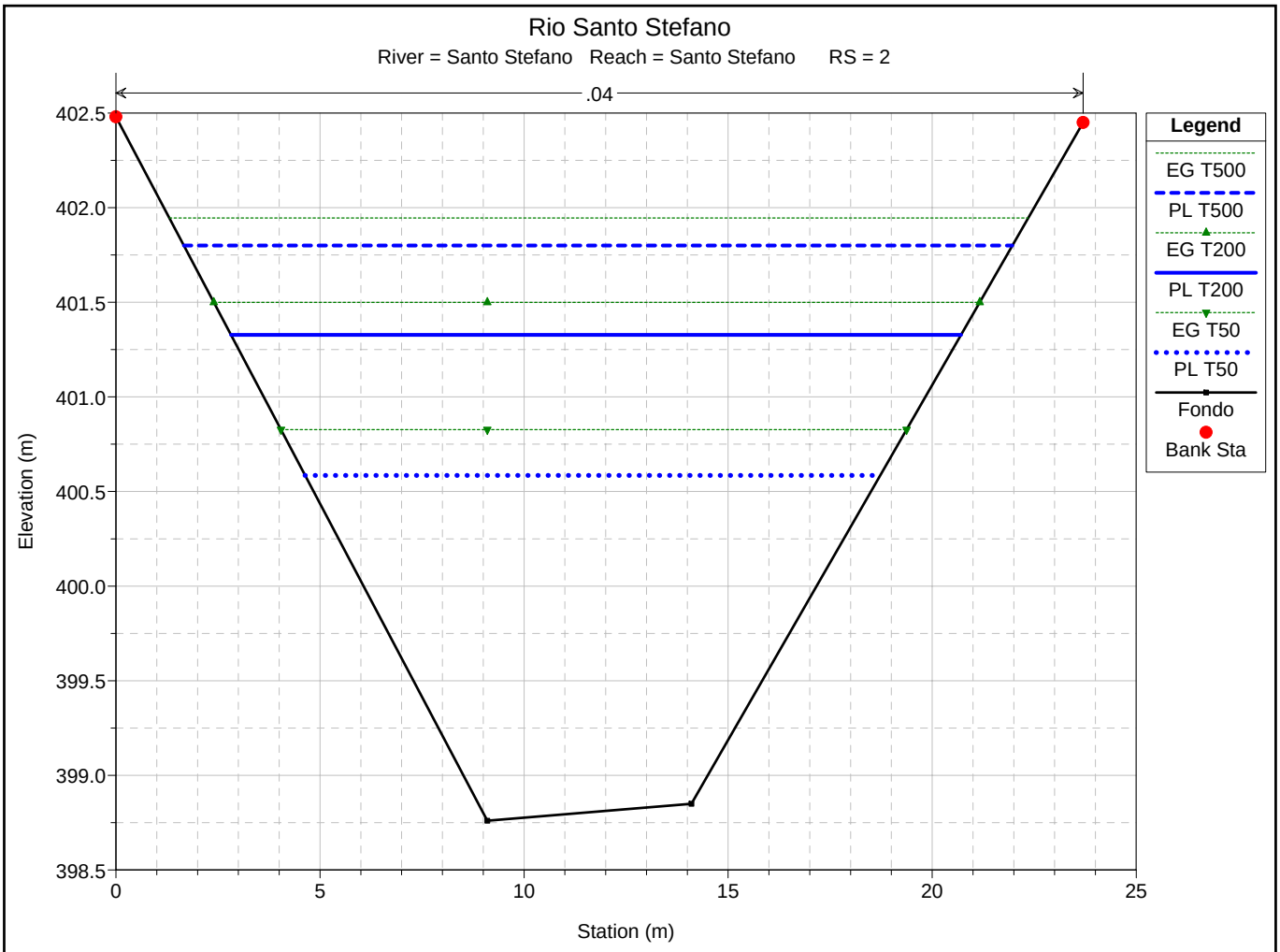

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 7
.04
Elevation (m)
Station (m)
Legend
EG T500
EG T200
PL T500
PL T200
EG T50
Crit T500
PL T50
Crit T200
Crit T50
Fondo
Bank Sta

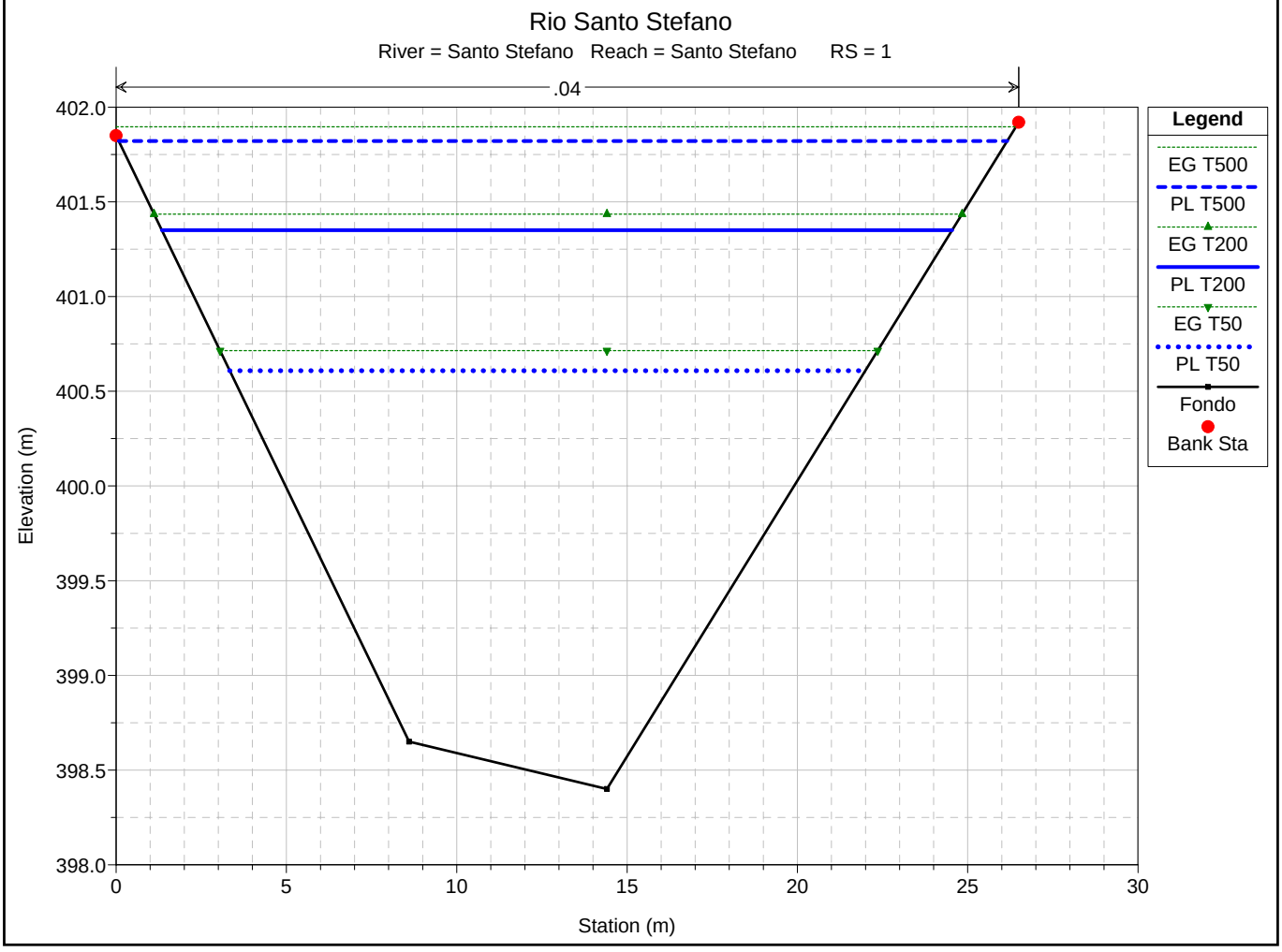

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 6
.04
Legend
EG T500
EG T200
PL T500
EG T50
Crit T500
PL T200
Crit T200
PL T50
Crit T50
Fondo
Bank Sta
Elevation (m)
Station (m)
405
404
403
402
401
400
0
5
10
15
20
25

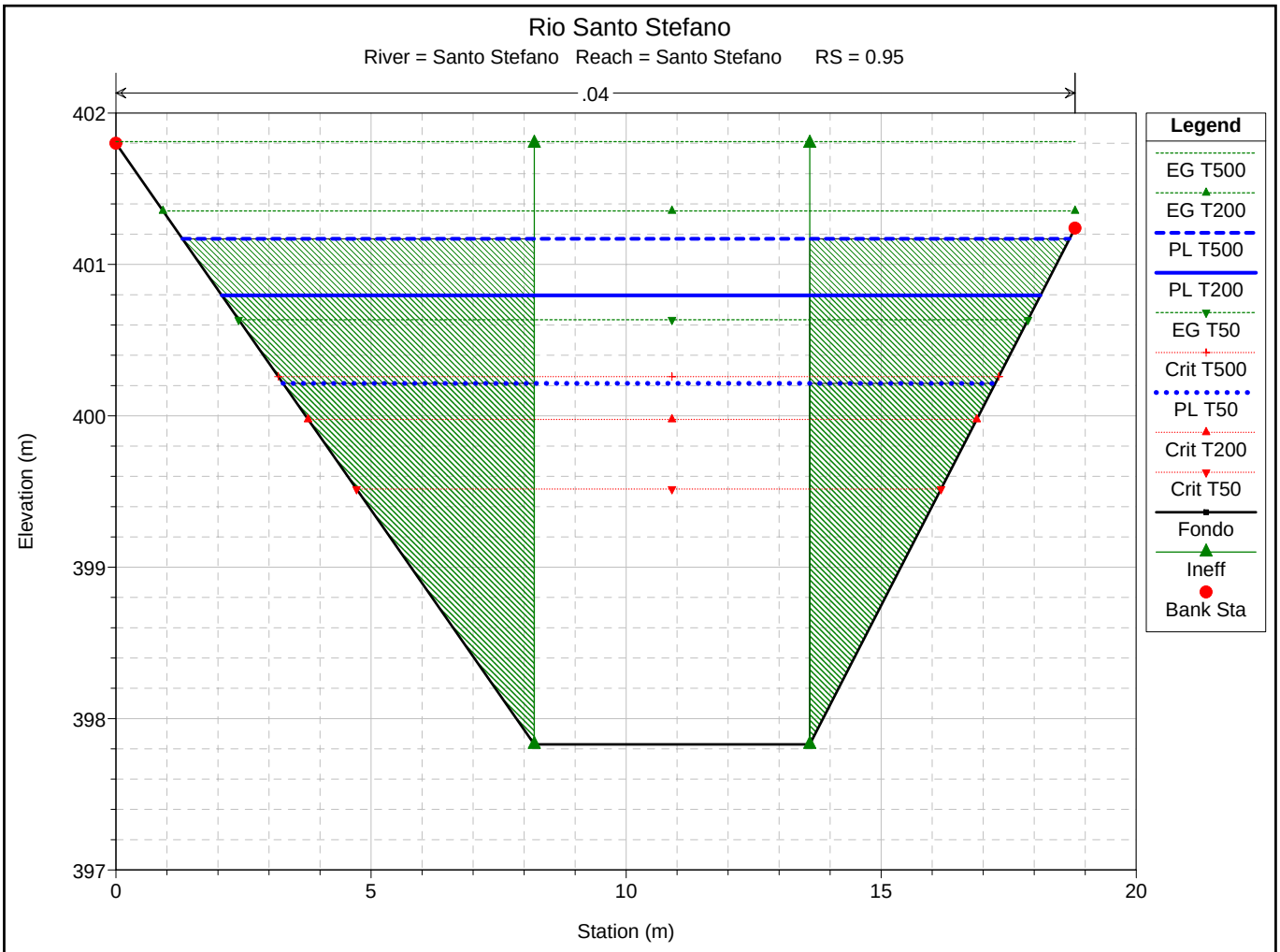

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 5
.04
Legend
EG T500
EG T200
PL T500
EG T50
PL T200
Crit T200
PL T50
Crit T50
Fondo
Bank Sta
Elevation (m)
Station (m)
405
404
403
402
401
400
399
0
5
10
15
20
25

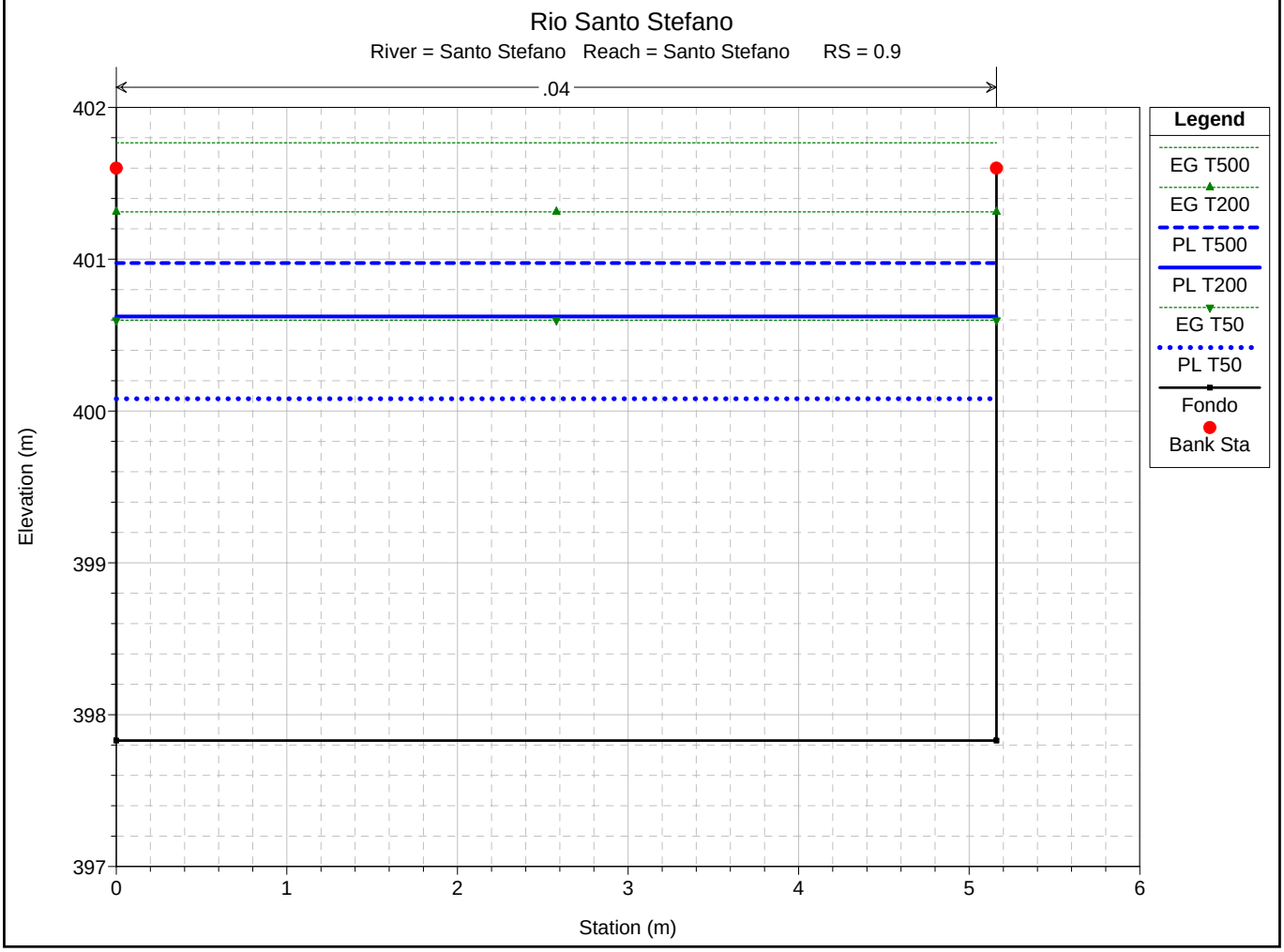

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 4
.04
Legend
EG T500
PL T500
EG T200
PL T200
EG T50
PL T50
Fondo
Bank Sta
Elevation (m)
Station (m)
404
403
402
401
400
399
0
5
10
15
20
25
30


Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 3
.04
Legend
EG T500
PL T500
EG T200
PL T200
EG T50
PL T50
Fondo
Bank Sta
Elevation (m)
Station (m)
404
403
402
401
400
399
0
5
10
15
20
25
30


Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 2
.04
Legend
EG T500
PL T500
EG T200
PL T200
EG T50
PL T50
Fondo
Bank Sta
Elevation (m)
Station (m)
402.5
402.0
401.5
401.0
400.5
400.0
399.5
399.0
398.5
0
5
10
15
20
25

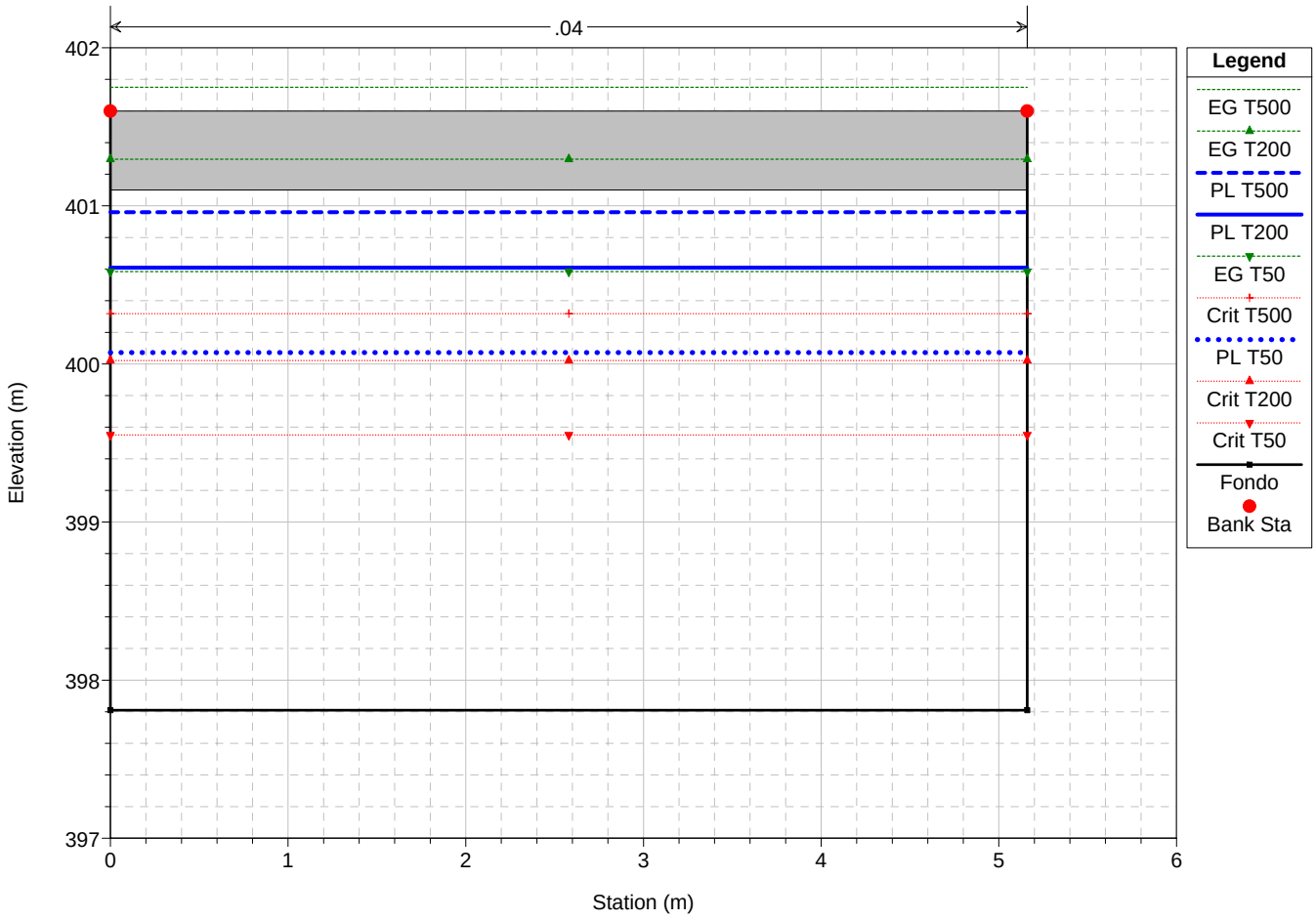

Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 1
.04
Legend
EG T500
PL T500
EG T200
PL T200
EG T50
PL T50
Fondo
Bank Sta
Elevation (m)
Station (m)
402.0
401.5
401.0
400.5
400.0
399.5
399.0
398.5
398.0
0
5
10
15
20
25
30


Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 0.95
.04
Elevation (m)
Station (m)
Legend
EG T500
EG T200
PL T500
PL T200
EG T50
Crit T500
PL T50
Crit T200
Crit T50
Fondo
Ineff
Bank Sta


Rio Santo Stefano
River = Santo Stefano Reach = Santo Stefano RS = 0.9
.04
Elevation (m)
Station (m)
Legend
EG T500
EG T200
PL T500
PL T200
EG T50
PL T50
Fondo
Bank Sta

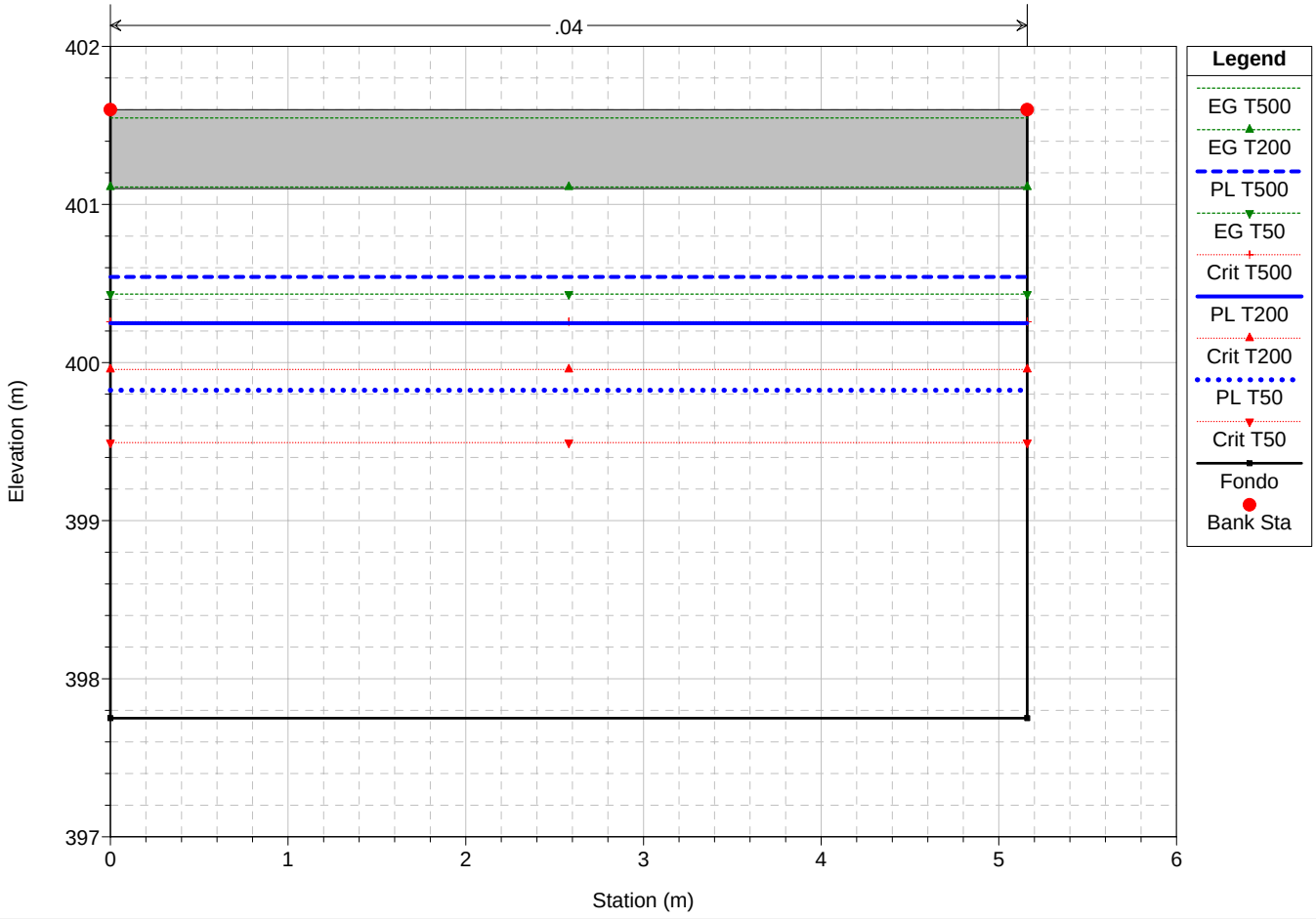
Rio Santo Stefano

River = Santo Stefano Reach = Santo Stefano RS = 0.8



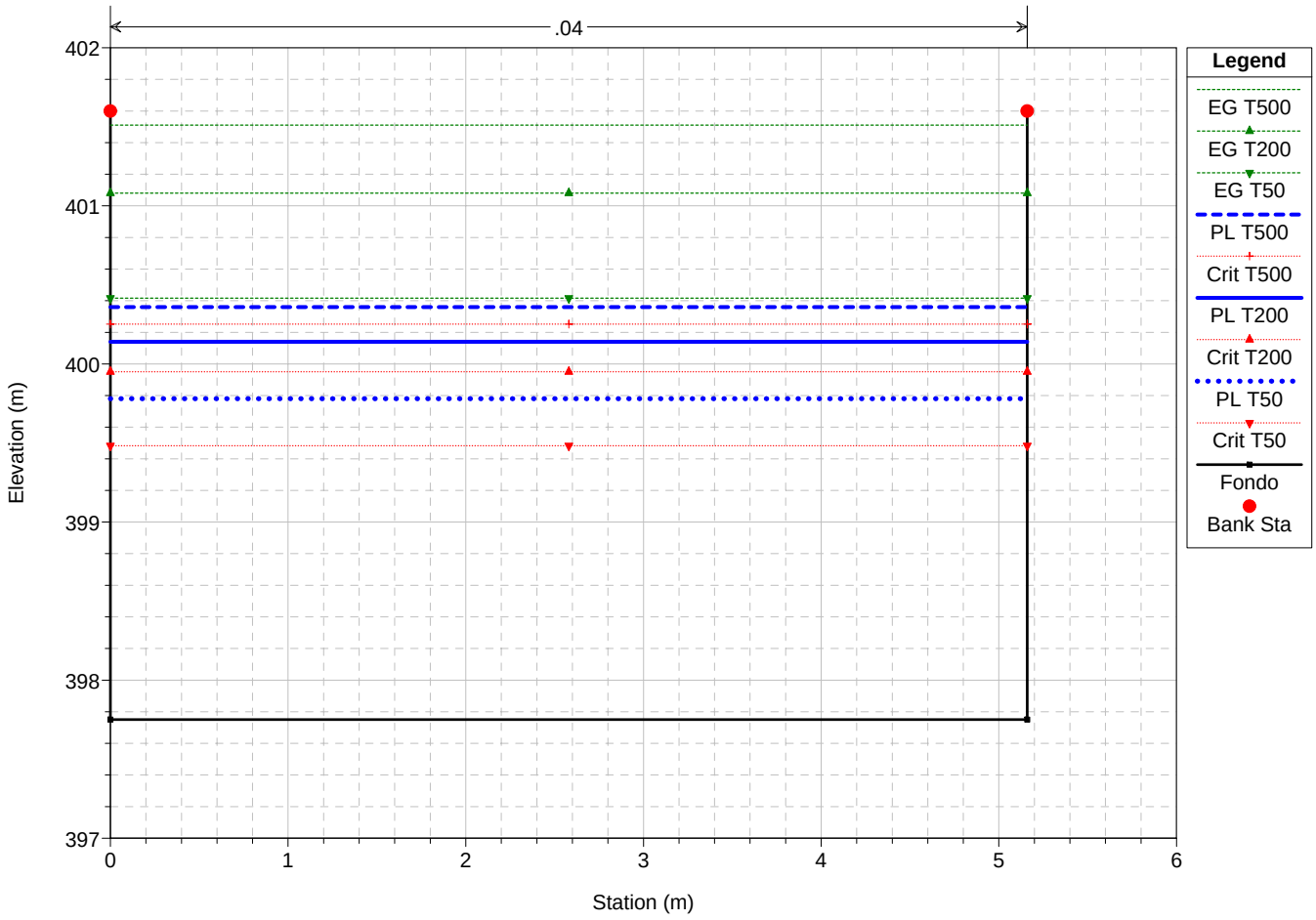
Rio Santo Stefano

River = Santo Stefano Reach = Santo Stefano RS = 0.7



Rio Santo Stefano

River = Santo Stefano Reach = Santo Stefano RS = 0.6



HEC-RAS Plan: att River: Santo Stefano Reach: Santo Stefano

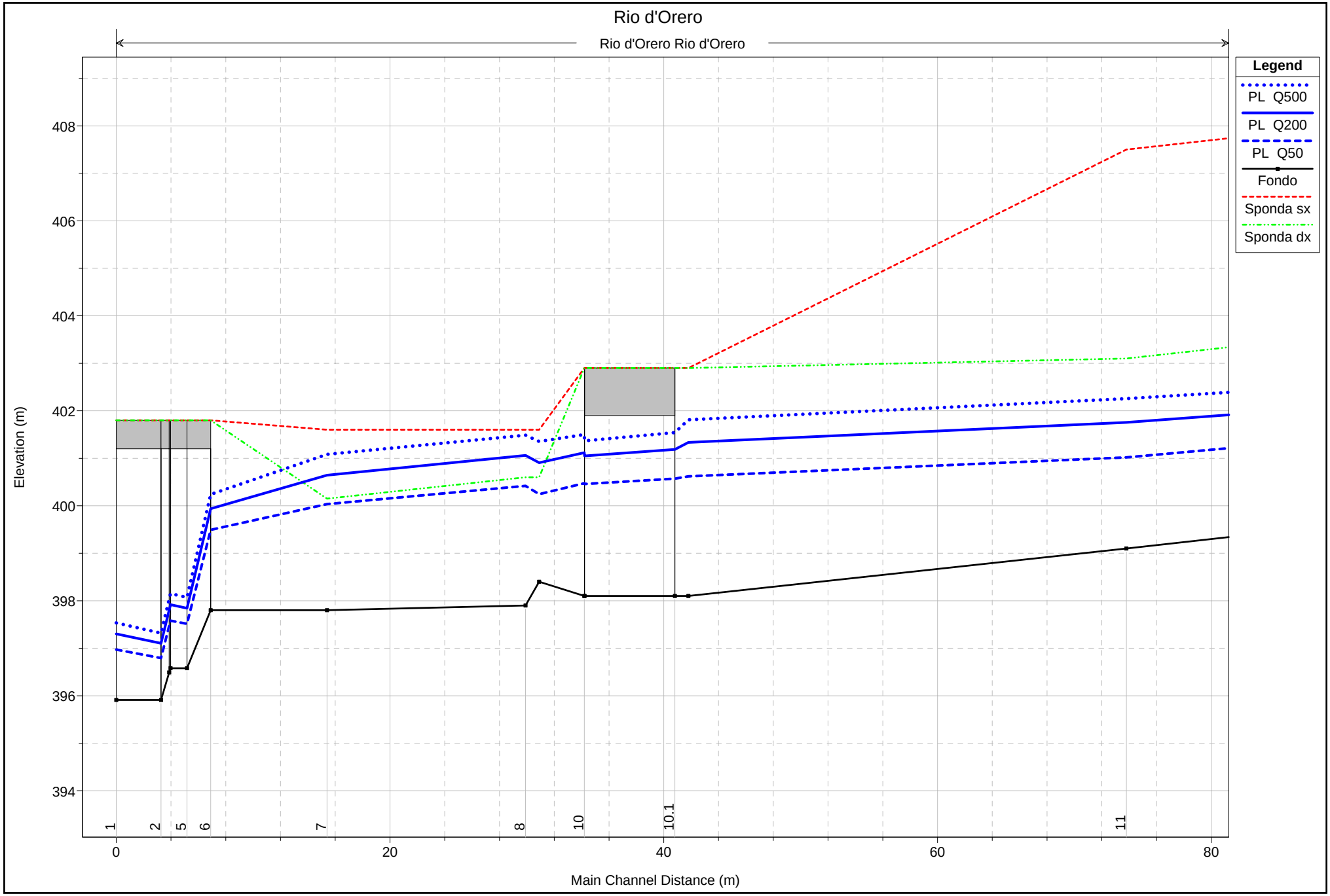
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Santo Stefano	11.3	T500	64.00	401.66	404.00	404.72	0.73	404.72	0.73	403.58	404.65	0.012517	3.58	17.86	7.65	0.75
Santo Stefano	11.3	T200	53.00	401.66	403.78	404.72	0.94	404.72	0.94	403.36	404.32	0.011279	3.27	16.23	7.65	0.72
Santo Stefano	11.3	T50	37.00	401.66	403.51	404.72	1.21	404.72	1.21	402.99	403.86	0.008173	2.62	14.14	7.65	0.61
Santo Stefano	11.2	T500	64.00	401.65	403.98	404.00	0.02	404.00	0.02	403.58	404.64	0.012595	3.59	17.82	7.65	0.75
Santo Stefano	11.2	T200	53.00	401.65	403.77	404.00	0.23	404.00	0.23	403.35	404.31	0.011317	3.27	16.21	7.65	0.72
Santo Stefano	11.2	T50	37.00	401.65	403.50	404.00	0.50	404.00	0.50	402.99	403.85	0.008149	2.61	14.15	7.65	0.61
Santo Stefano	11.1	T500	64.00	401.61	403.73	404.00	0.27	404.00	0.27	403.54	404.52	0.016545	3.95	16.19	7.65	0.87
Santo Stefano	11.1	T200	53.00	401.61	403.61	404.00	0.39	404.00	0.39	403.31	404.22	0.013441	3.47	15.26	7.65	0.78
Santo Stefano	11.1	T50	37.00	401.61	403.43	404.00	0.57	404.00	0.57	402.95	403.79	0.008577	2.66	13.90	7.65	0.63
Santo Stefano	11	T500	64.00	401.60	403.69	404.72	1.03	404.72	1.03	403.52	404.51	0.017208	4.01	15.97	7.65	0.89
Santo Stefano	11	T200	53.00	401.60	403.59	404.72	1.13	404.72	1.13		404.21	0.013578	3.48	15.21	7.65	0.79
Santo Stefano	11	T50	37.00	401.60	403.42	404.72	1.30	404.72	1.30		403.78	0.008567	2.66	13.91	7.65	0.63
Santo Stefano	10	T500	64.00	401.50	403.70	404.05	0.35	404.20	0.50	403.70	404.33	0.016868	3.52	18.21	14.52	1.00
Santo Stefano	10	T200	53.00	401.50	403.49	404.05	0.56	404.20	0.71	403.49	404.10	0.017320	3.46	15.33	12.73	1.01
Santo Stefano	10	T50	37.00	401.50	403.08	404.05	0.97	404.20	1.12	403.08	403.67	0.017685	3.40	10.89	9.29	1.00
Santo Stefano	9	T500	64.00	401.25	402.84	404.30	1.46	404.55	1.71	403.11	403.86	0.028424	4.46	14.34	12.39	1.32
Santo Stefano	9	T200	53.00	401.25	402.68	404.30	1.62	404.55	1.87	402.93	403.62	0.029666	4.29	12.34	11.71	1.33
Santo Stefano	9	T50	37.00	401.25	402.42	404.30	1.88	404.55	2.13	402.62	403.20	0.030435	3.90	9.49	10.65	1.32
Santo Stefano	8	T500	64.00	400.77	402.48	404.50	2.02	404.50	2.02	402.78	403.56	0.031017	4.60	13.91	12.33	1.38
Santo Stefano	8	T200	53.00	400.77	402.32	404.50	2.18	404.50	2.18	402.60	403.31	0.031684	4.40	12.04	11.62	1.38
Santo Stefano	8	T50	37.00	400.77	402.07	404.50	2.43	404.50	2.43	402.29	402.88	0.031953	3.99	9.27	10.48	1.35
Santo Stefano	7	T500	64.00	400.38	402.74	403.80	1.06	405.00	2.26	402.30	403.09	0.006734	2.65	24.19	15.50	0.68
Santo Stefano	7	T200	53.00	400.38	402.55	403.80	1.25	405.00	2.45	402.12	402.86	0.006526	2.48	21.35	14.73	0.66
Santo Stefano	7	T50	37.00	400.38	402.21	403.80	1.59	405.00	2.79	401.83	402.46	0.006390	2.23	16.62	13.35	0.64
Santo Stefano	6	T500	64.00	400.32	402.19	404.35	2.16	404.82	2.63	402.10	402.76	0.012882	3.32	19.29	14.45	0.92
Santo Stefano	6	T200	53.00	400.32	401.99	404.35	2.36	404.82	2.83	401.92	402.52	0.013762	3.22	16.45	13.56	0.93
Santo Stefano	6	T50	37.00	400.32	401.72	404.35	2.63	404.82	3.10	401.63	402.14	0.013065	2.85	12.96	12.38	0.89
Santo Stefano	5	T500	64.00	399.64	401.92	404.25	2.33	404.50	2.58		402.40	0.009660	3.05	21.00	14.22	0.80
Santo Stefano	5	T200	53.00	399.64	401.57	404.25	2.68	404.50	2.93	401.48	402.11	0.013372	3.26	16.24	12.71	0.92
Santo Stefano	5	T50	37.00	399.64	401.19	404.25	3.06	404.50	3.31	401.17	401.70	0.015958	3.15	11.73	11.10	0.98
Santo Stefano	4	T500	64.00	399.26	401.87	403.80	1.93	403.60	1.73		402.14	0.004618	2.29	27.99	16.87	0.57
Santo Stefano	4	T200	53.00	399.26	401.45	403.80	2.35	403.60	2.15		401.77	0.006608	2.48	21.35	14.92	0.66
Santo Stefano	4	T50	37.00	399.26	400.91	403.80	2.89	403.60	2.69		401.27	0.010264	2.65	13.97	12.39	0.80
Santo Stefano	3	T500	64.00	399.03	401.83	403.40	1.57	403.00	1.17		402.02	0.003097	1.96	32.69	18.47	0.47
Santo Stefano	3	T200	53.00	399.03	401.38	403.40	2.02	403.00	1.62		401.61	0.004469	2.13	24.84	16.29	0.55
Santo Stefano	3	T50	37.00	399.03	400.72	403.40	2.68	403.00	2.28		401.02	0.008308	2.43	15.22	13.14	0.72
Santo Stefano	2	T500	64.00	398.76	401.80	402.48	0.68	402.45	0.65		401.95	0.002139	1.69	37.87	20.30	0.39
Santo Stefano	2	T200	53.00	398.76	401.33	402.48	1.15	402.45	1.12		401.50	0.003056	1.84	28.86	17.89	0.46
Santo Stefano	2	T50	37.00	398.76	400.59	402.48	1.90	402.45	1.87		400.83	0.006297	2.18	16.99	14.09	0.63

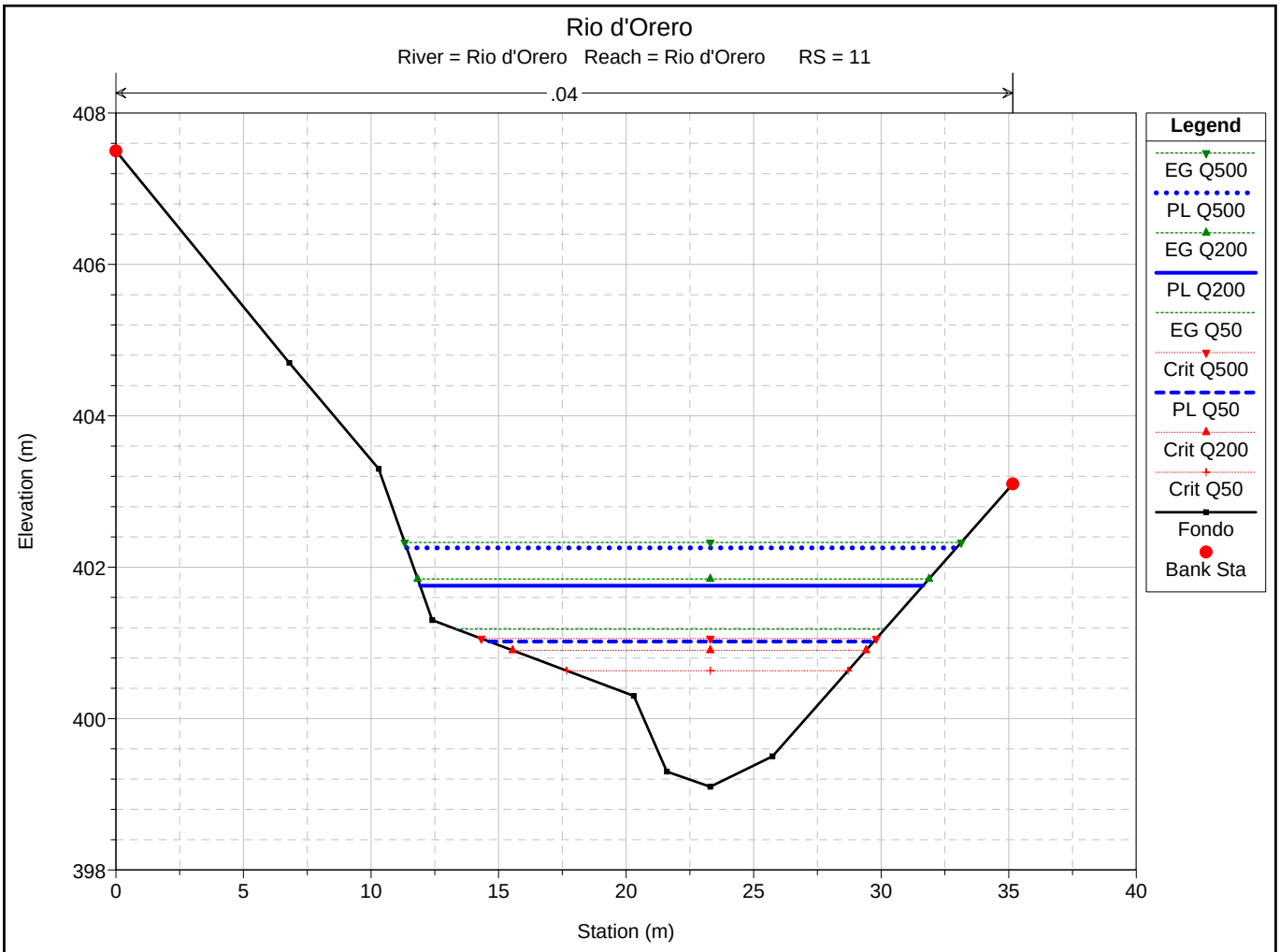
HEC-RAS Plan: att River: Santo Stefano Reach: Santo Stefano (Continued)

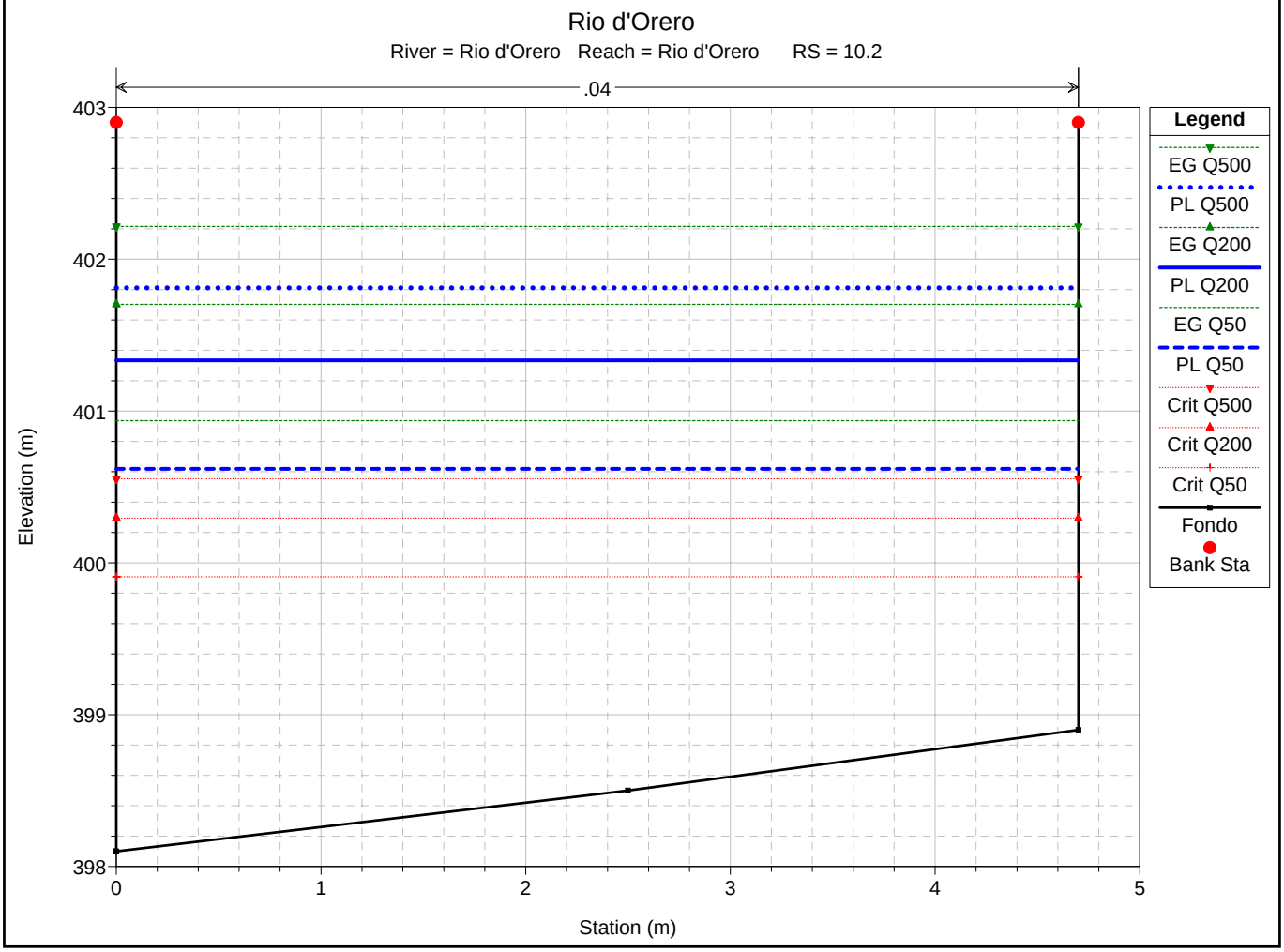
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Santo Stefano	1	T500	64.00	398.40	401.82	401.85	0.03	401.92	0.10		401.90	0.000971	1.21	52.76	26.08	0.27
Santo Stefano	1	T200	53.00	398.40	401.35	401.85	0.50	401.92	0.57		401.44	0.001300	1.29	41.17	23.20	0.31
Santo Stefano	1	T50	37.00	398.40	400.61	401.85	1.24	401.92	1.31		400.71	0.002288	1.44	25.64	18.66	0.39
Santo Stefano	0.95	T500	64.00	397.83	401.17	401.80	0.63	401.24	0.07	400.26	401.81	0.004035	3.55	18.04	17.39	0.62
Santo Stefano	0.95	T200	53.00	397.83	400.80	401.80	1.00	401.24	0.44	399.98	401.35	0.004112	3.31	16.02	16.05	0.61
Santo Stefano	0.95	T50	37.00	397.83	400.21	401.80	1.59	401.24	1.03	399.52	400.63	0.004148	2.87	12.88	13.96	0.59
Santo Stefano	0.9	T500	64.00	397.83	400.97	401.60	0.63	401.60	0.63		401.77	0.015636	3.94	16.23	5.16	0.71
Santo Stefano	0.9	T200	53.00	397.83	400.62	401.60	0.98	401.60	0.98		401.31	0.014634	3.68	14.41	5.16	0.70
Santo Stefano	0.9	T50	37.00	397.83	400.08	401.60	1.52	401.60	1.52		400.60	0.012694	3.18	11.62	5.16	0.68
Santo Stefano	0.8	T500	64.00	397.81	400.96	401.10	0.14	401.10	0.14	400.32	401.75	0.015568	3.94	16.25	5.16	0.71
Santo Stefano	0.8	T200	53.00	397.81	400.61	401.10	0.49	401.10	0.49	400.02	401.30	0.014545	3.67	14.44	5.16	0.70
Santo Stefano	0.8	T50	37.00	397.81	400.07	401.10	1.03	401.10	1.03	399.55	400.58	0.012535	3.17	11.67	5.16	0.67
Santo Stefano	0.7	T500	64.00	397.75	400.54	401.10	0.56	401.10	0.56	400.26	401.55	0.021368	4.44	14.40	5.16	0.85
Santo Stefano	0.7	T200	53.00	397.75	400.25	401.10	0.85	401.10	0.85	399.96	401.11	0.019659	4.11	12.90	5.16	0.83
Santo Stefano	0.7	T50	37.00	397.75	399.82	401.10	1.28	401.10	1.28	399.49	400.43	0.015865	3.46	10.71	5.16	0.77
Santo Stefano	0.6	T500	64.00	397.75	400.36	401.60	1.24	401.60	1.24	400.25	401.51	0.025534	4.75	13.47	5.16	0.94
Santo Stefano	0.6	T200	53.00	397.75	400.14	401.60	1.46	401.60	1.46	399.95	401.08	0.022168	4.30	12.33	5.16	0.89
Santo Stefano	0.6	T50	37.00	397.75	399.78	401.60	1.82	401.60	1.82	399.48	400.42	0.016841	3.53	10.47	5.16	0.79

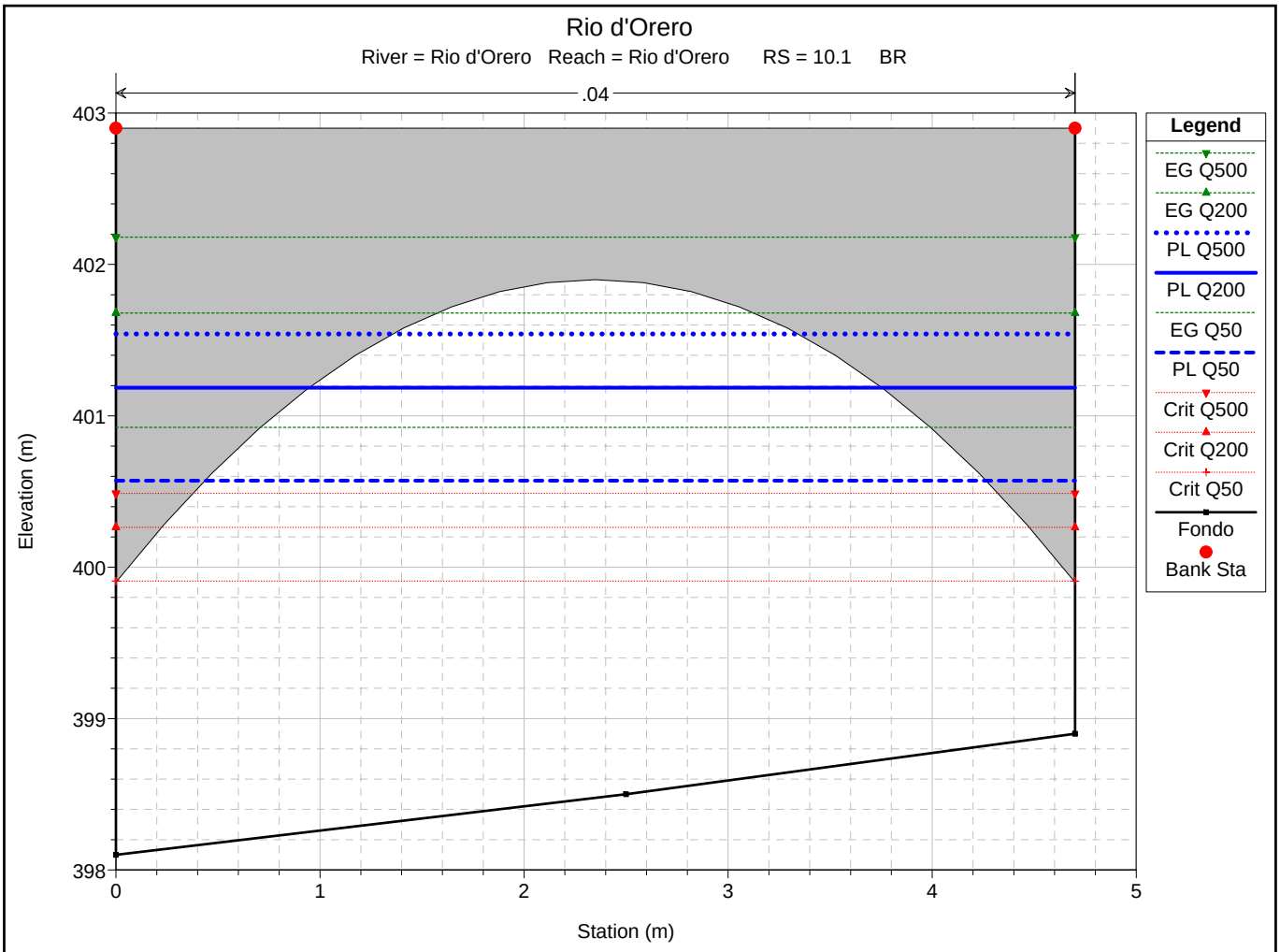
Rio Orero

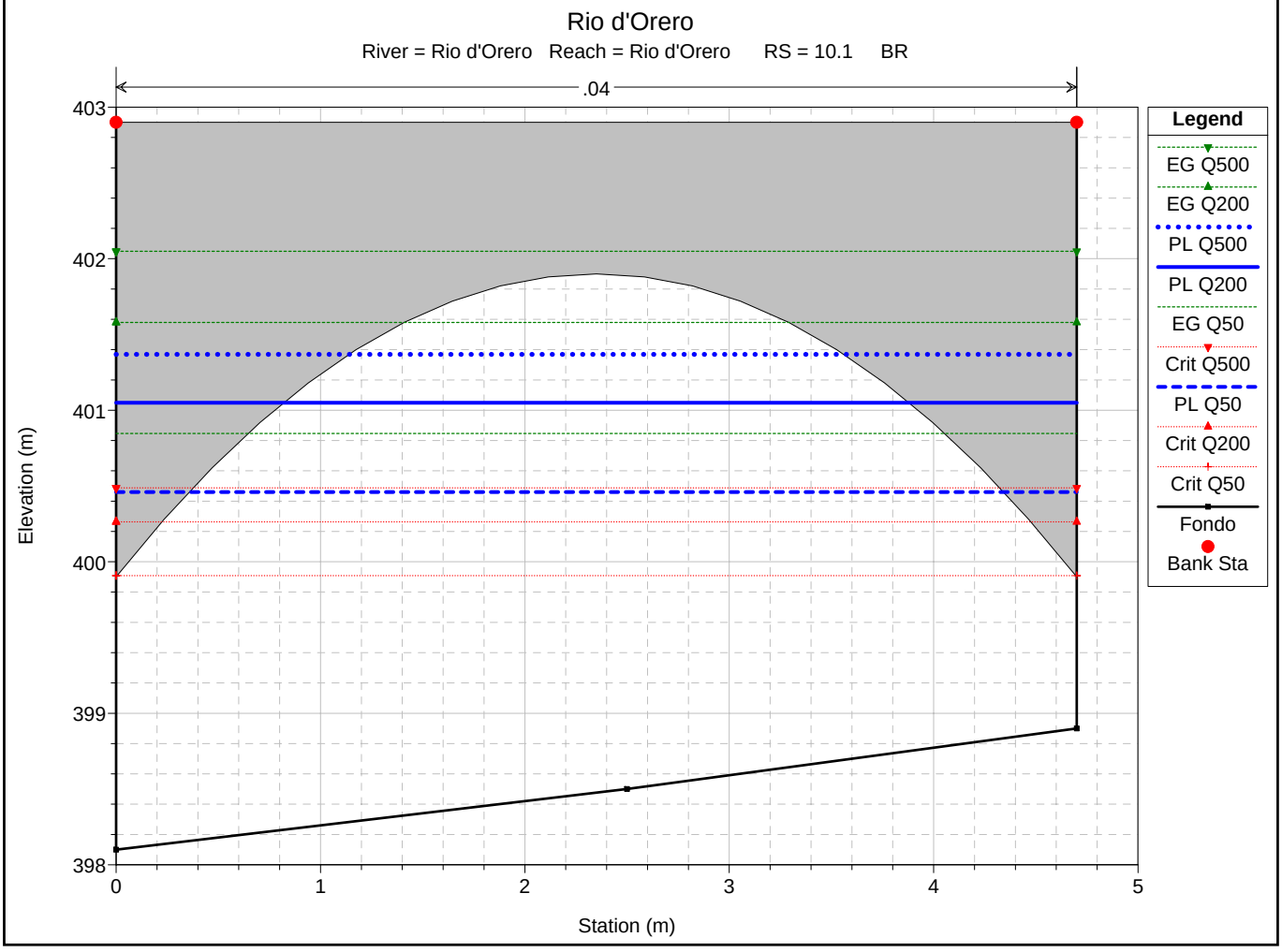
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

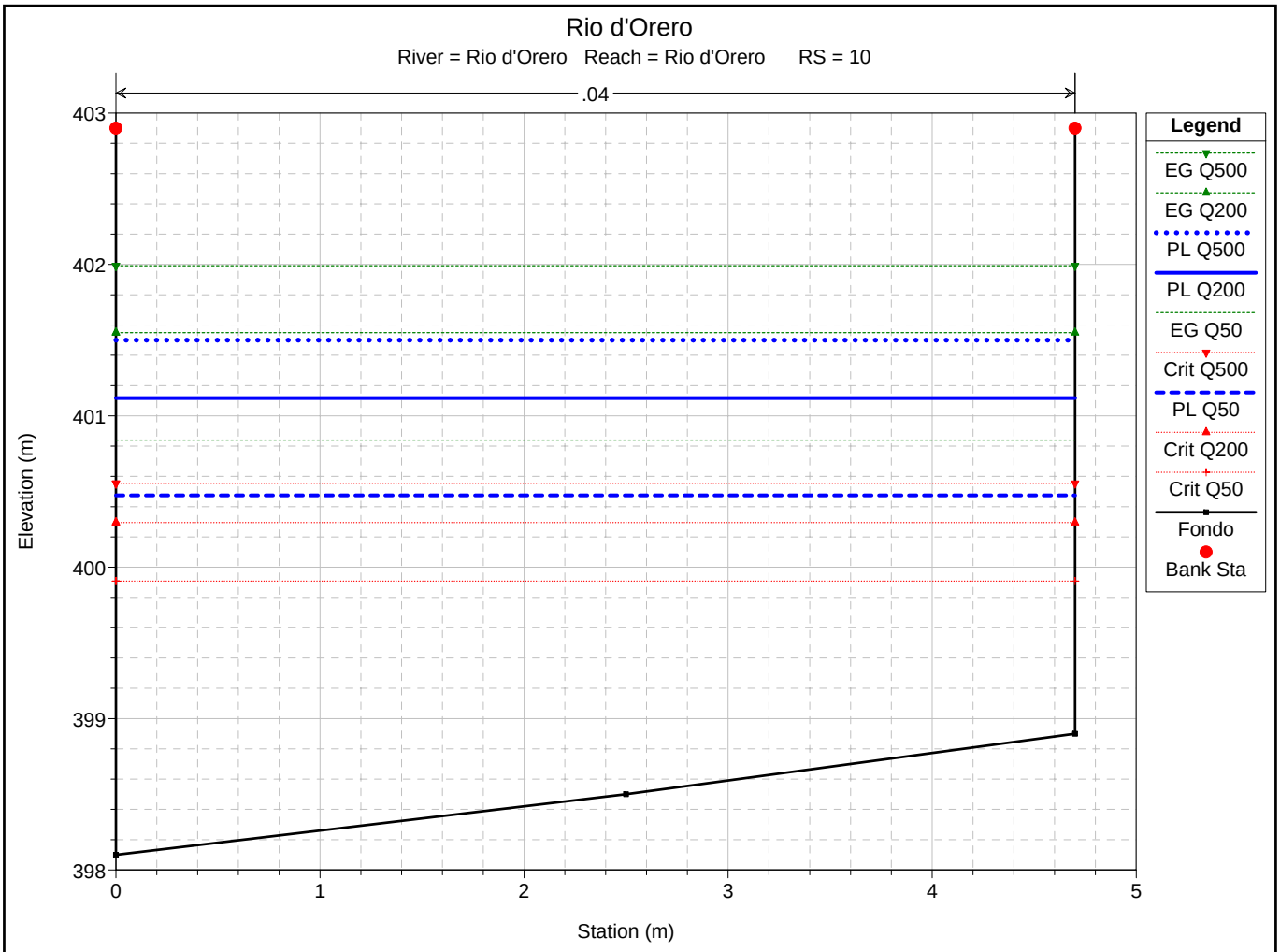

Rio d'Orero
Rio d'Orero Rio d'Orero
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
408
406
404
402
400
398
396
394
1
2
5
6
7
8
10
10.1
11
0
20
40
60
80
Main Channel Distance (m)

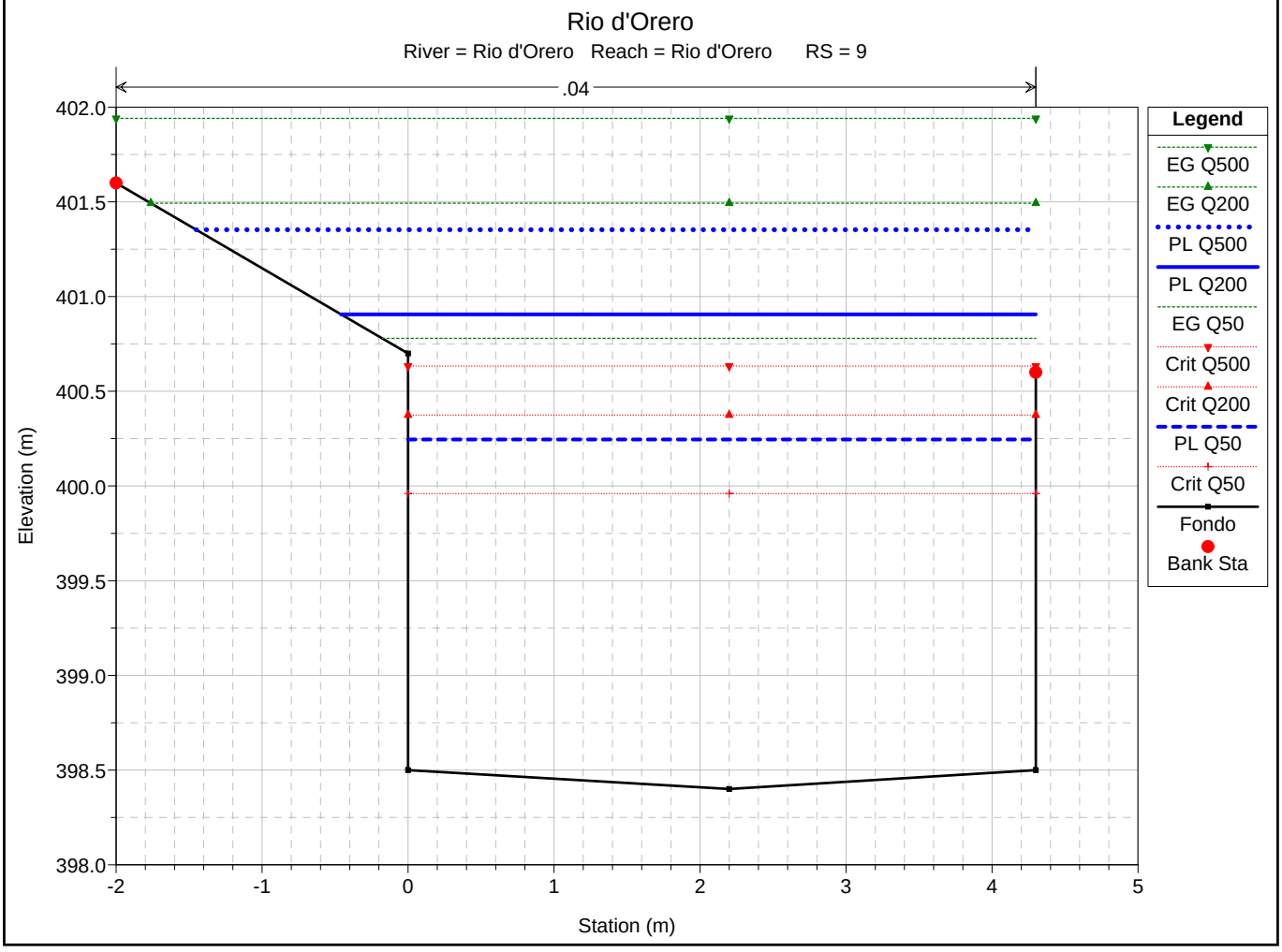

Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 11
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

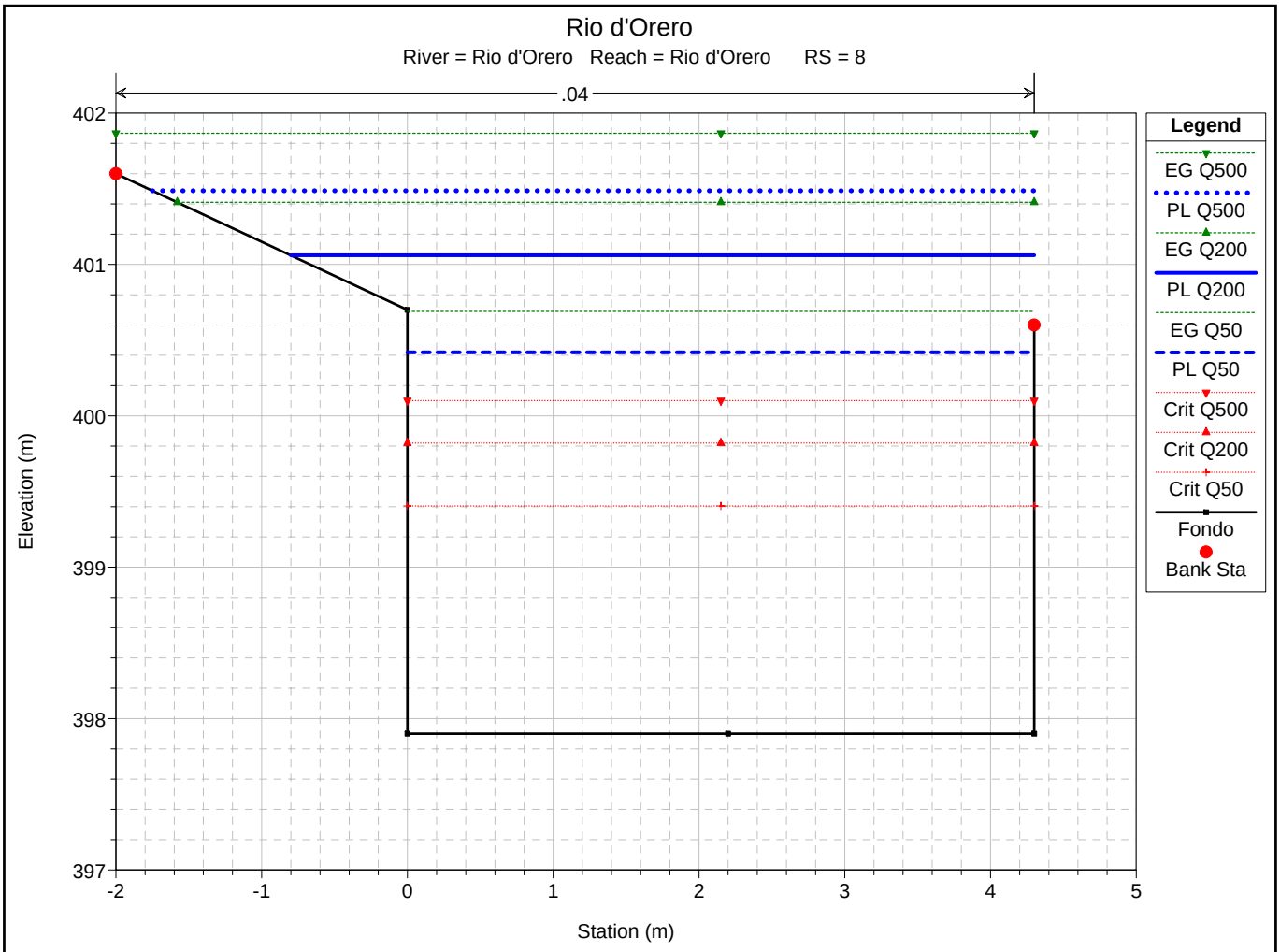

Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 10.2
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

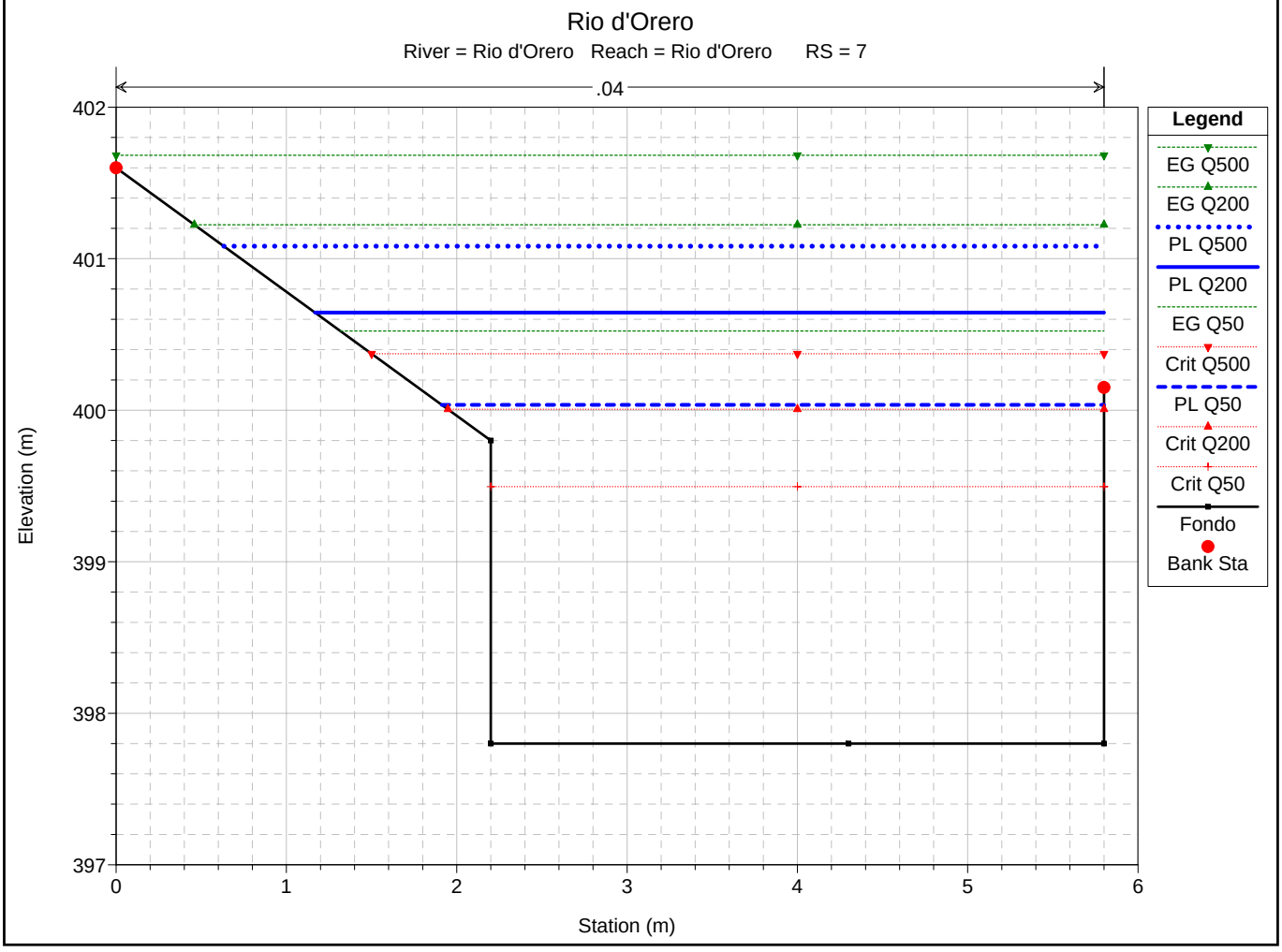

Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 10.1 BR
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
403
402
401
400
399
398
0
1
2
3
4
5

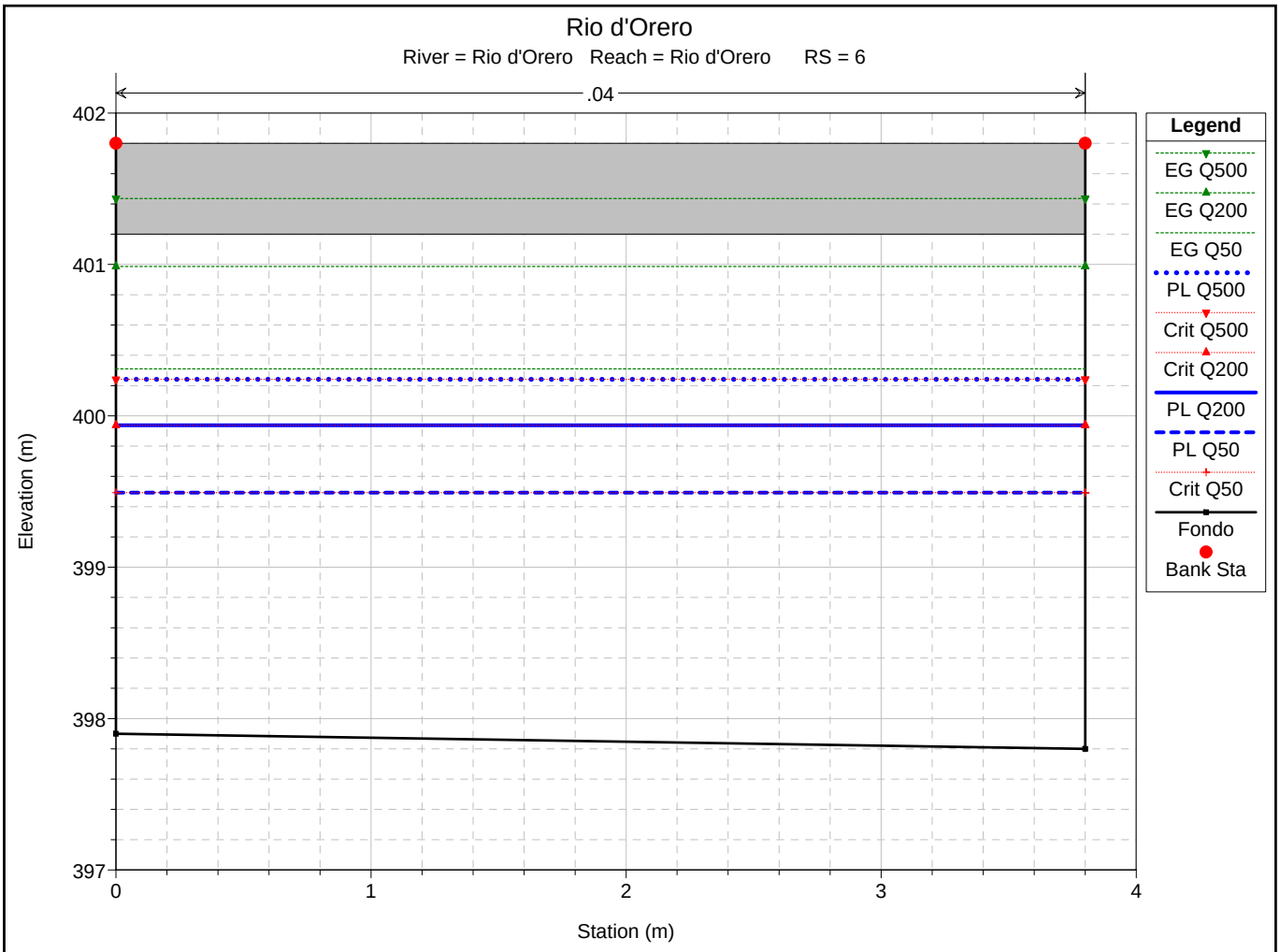

Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 10.1 BR
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
403
402
401
400
399
398
0
1
2
3
4
5

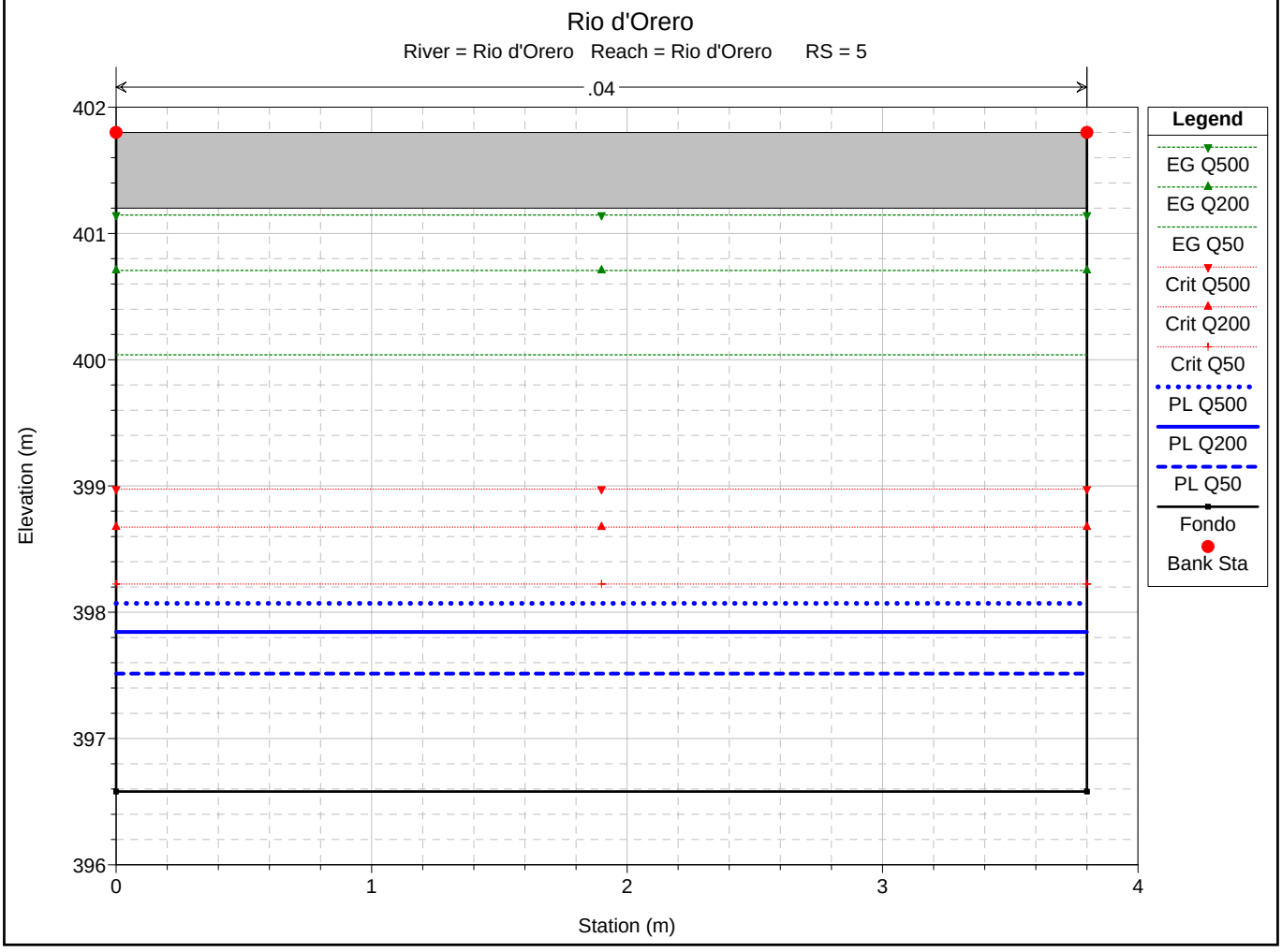

Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 10
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

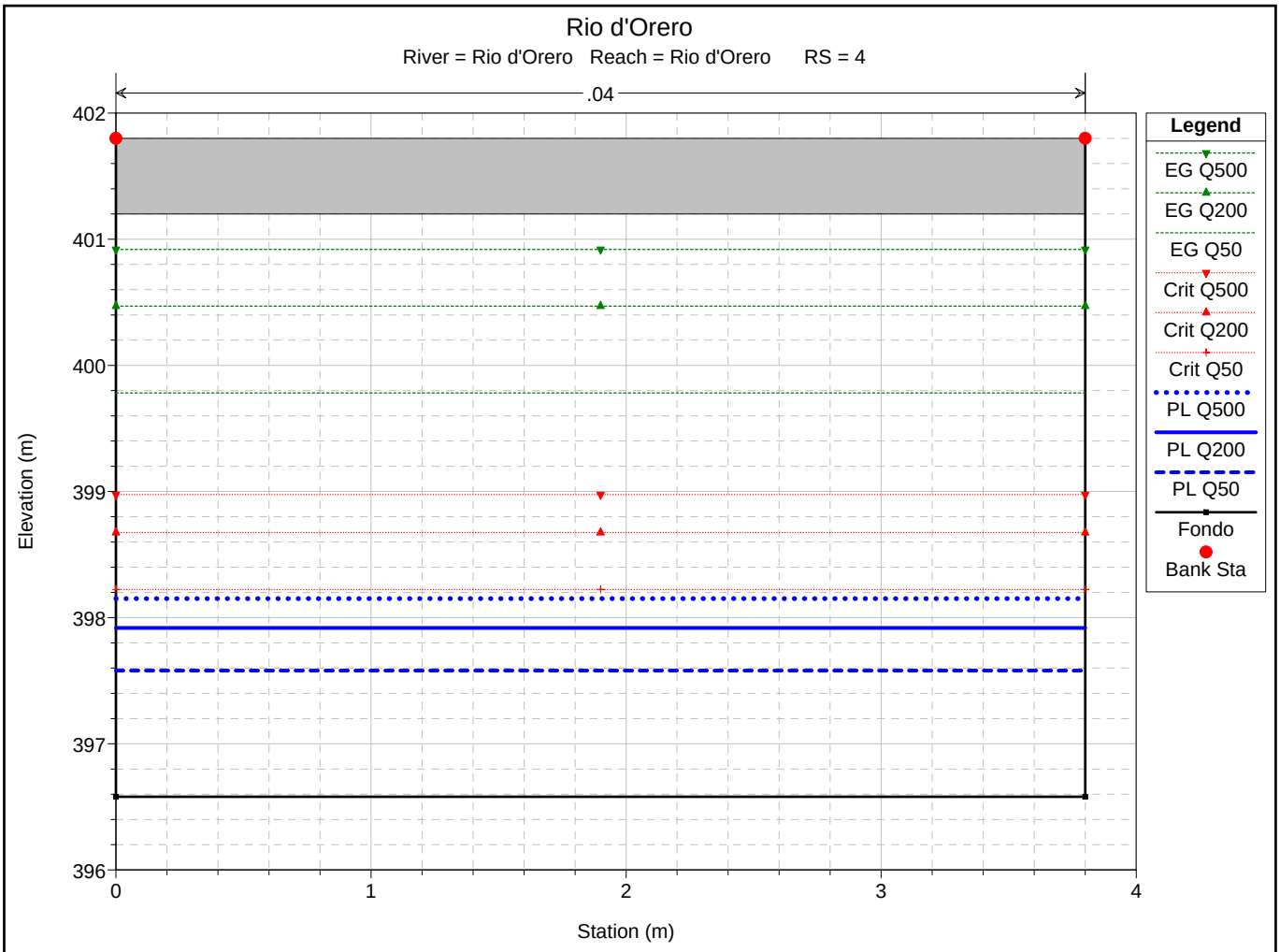

Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 9
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

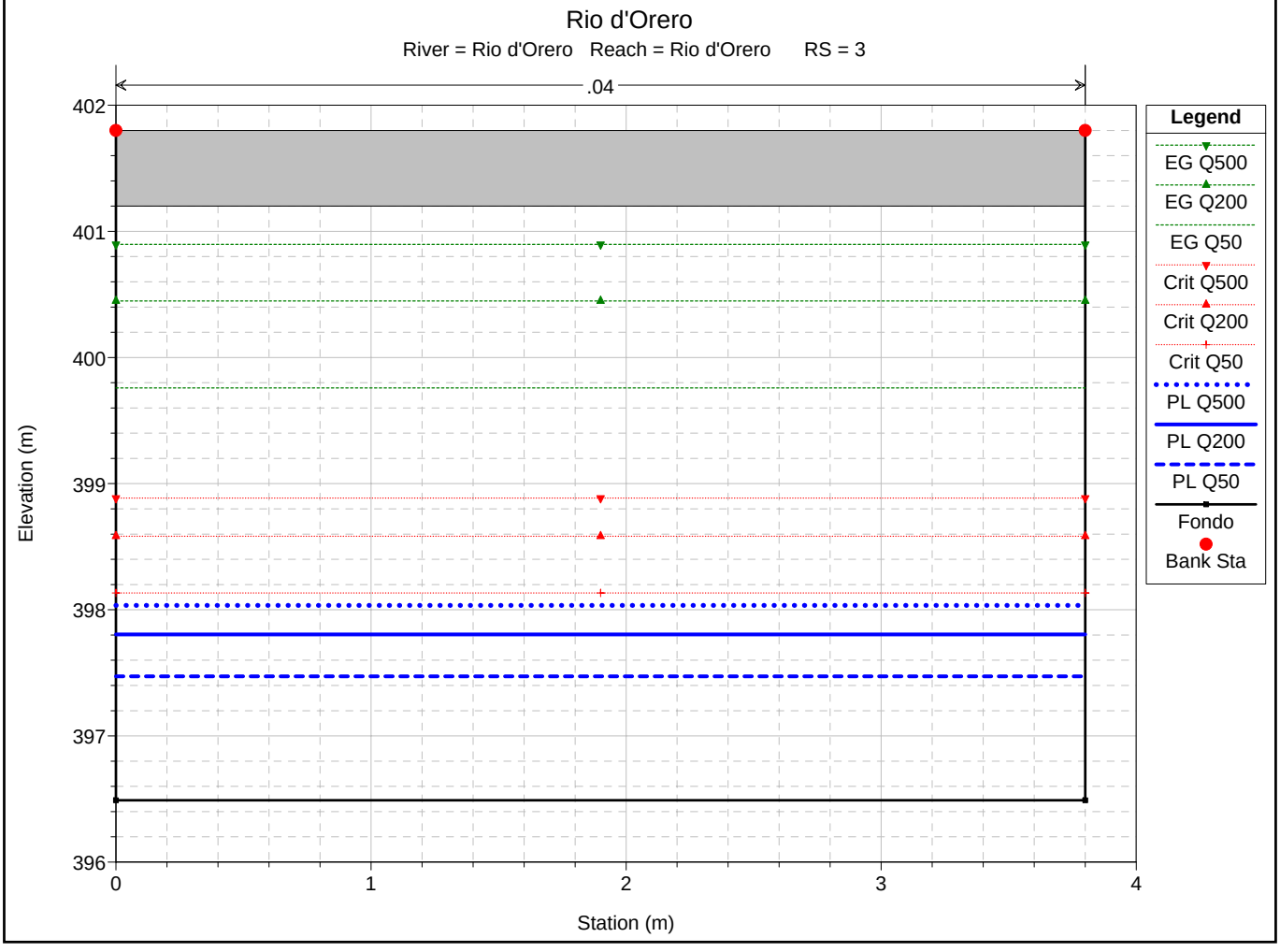

Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 8
.04
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
402
401
400
399
398
397
-2
-1
0
1
2
3
4
5

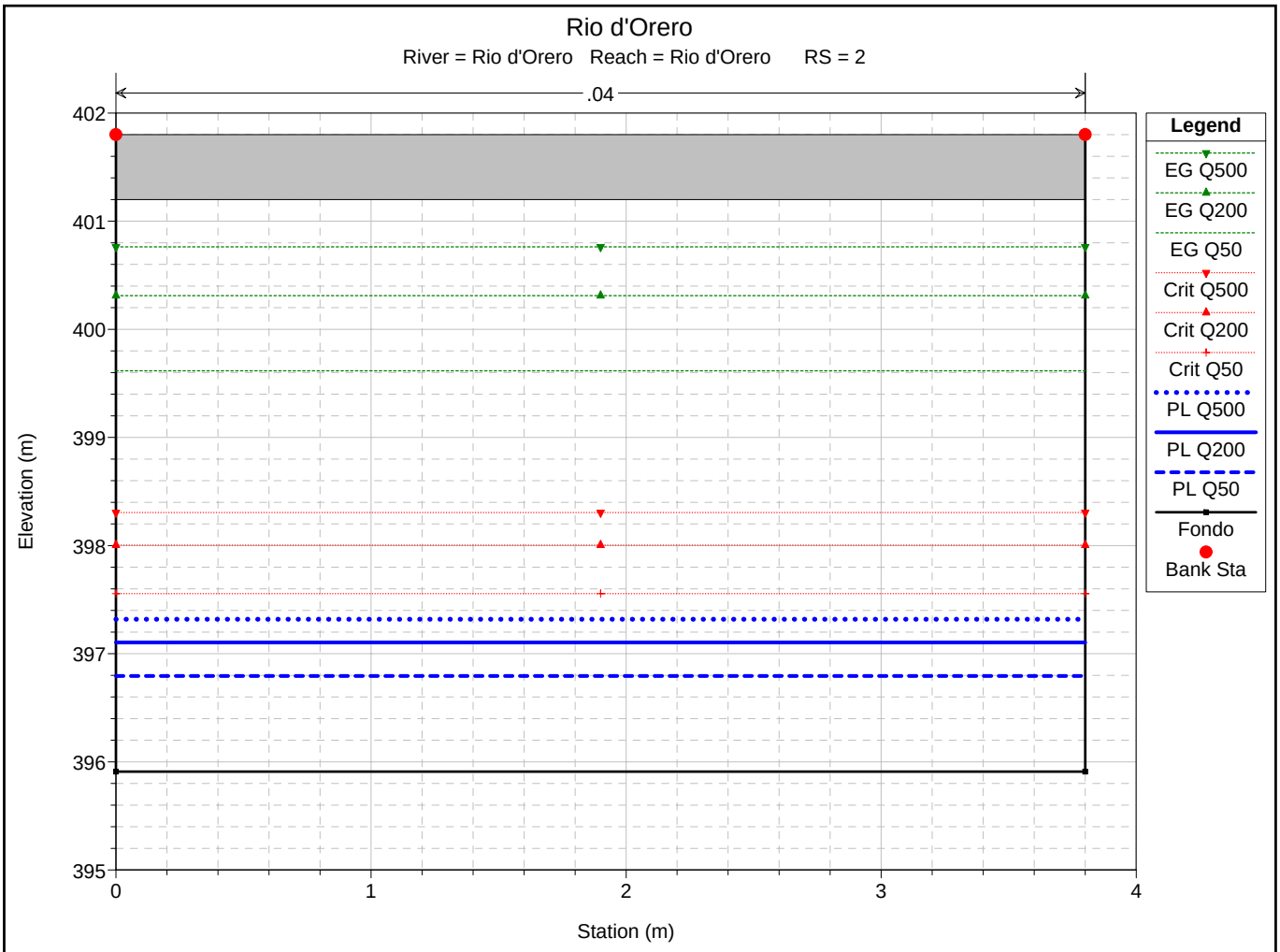

Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 7
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
402
401
400
399
398
397
0
1
2
3
4
5
6

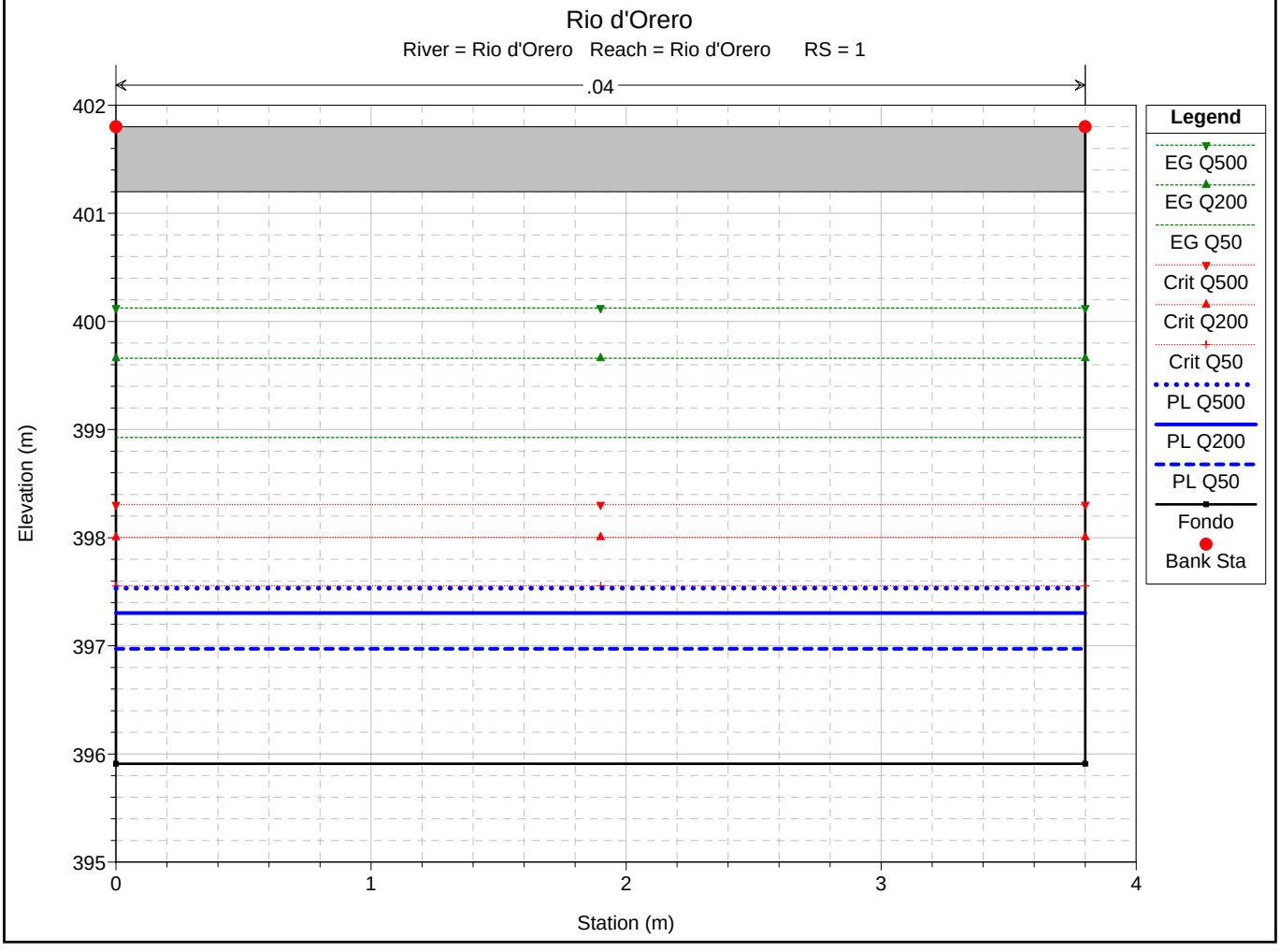

Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 6
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 5
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 4
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 3
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 2
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Rio d'Orero
River = Rio d'Orero Reach = Rio d'Orero RS = 1
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

HEC-RAS Plan: Rio d'Orero River: Rio d'Orero Reach: Rio d'Orero

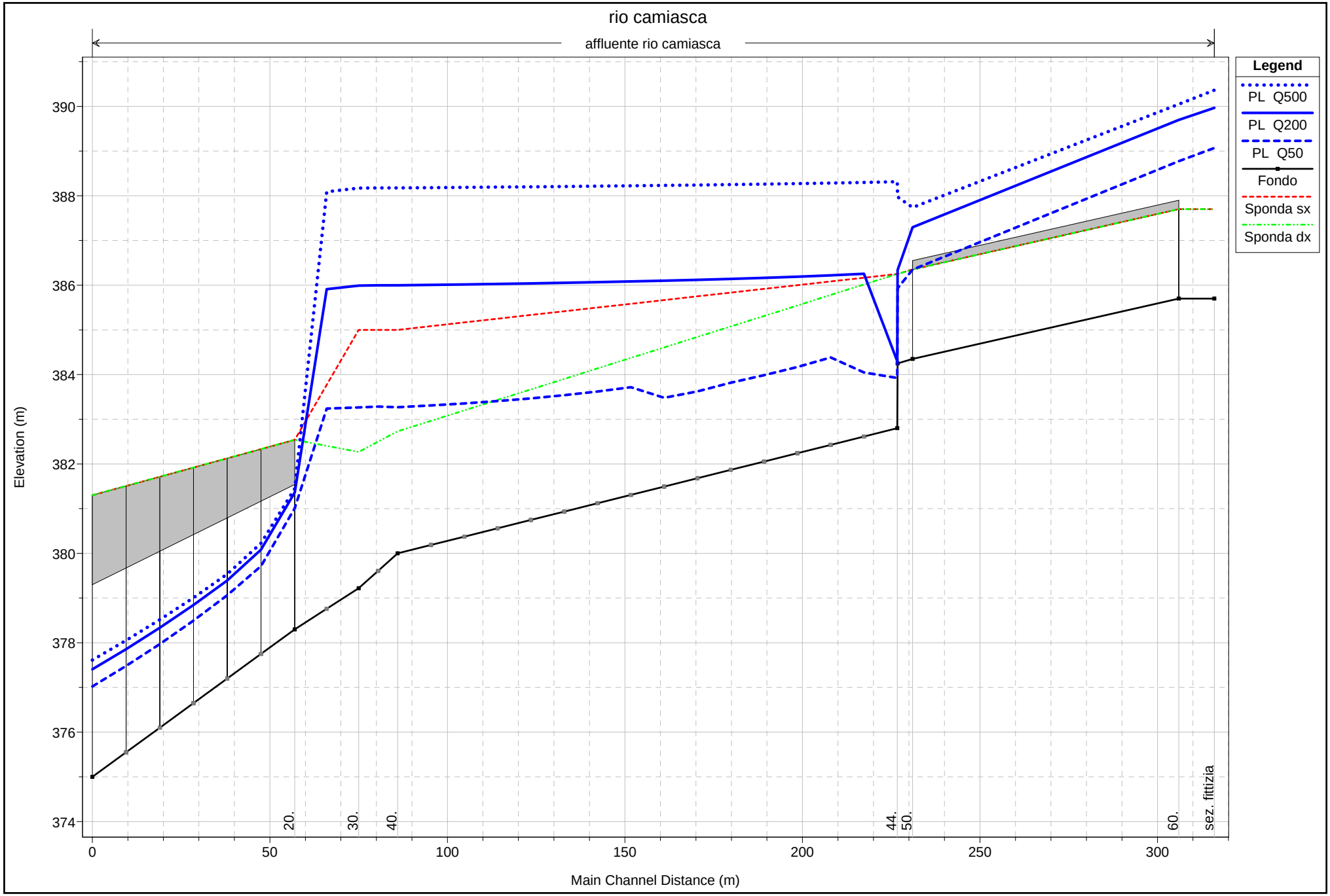
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Rio d'Orero	100	Q50	25.00	402.30	403.64	410.70	7.06	406.30	2.66	403.83	404.30	0.032051	3.62	6.91	8.96	1.31
Rio d'Orero	100	Q200	36.00	402.30	403.89	410.70	6.81	406.30	2.41	404.10	404.62	0.032056	3.78	9.52	11.62	1.33
Rio d'Orero	100	Q500	44.00	402.30	404.03	410.70	6.67	406.30	2.27	404.26	404.81	0.032051	3.91	11.24	13.09	1.35
Rio d'Orero	11	Q50	25.00	399.10	401.02	407.50	6.48	403.10	2.08	400.63	401.18	0.006110	1.80	13.92	15.09	0.60
Rio d'Orero	11	Q200	36.00	399.10	401.76	407.50	5.74	403.10	1.34	400.90	401.84	0.001959	1.32	27.18	19.72	0.36
Rio d'Orero	11	Q500	44.00	399.10	402.26	407.50	5.24	403.10	0.84	401.06	402.33	0.001138	1.17	37.53	21.56	0.28
Rio d'Orero	10.2	Q50	25.00	398.10	400.62	402.90	2.28	402.90	2.28	399.91	400.94	0.008638	2.49	10.02	4.70	0.55
Rio d'Orero	10.2	Q200	36.00	398.10	401.33	402.90	1.57	402.90	1.57	400.29	401.70	0.008317	2.69	13.38	4.70	0.51
Rio d'Orero	10.2	Q500	44.00	398.10	401.81	402.90	1.09	402.90	1.09	400.55	402.22	0.008327	2.82	15.62	4.70	0.49
Rio d'Orero	10.1		Bridge													
Rio d'Orero	10	Q50	25.00	398.10	400.47	402.90	2.43	402.90	2.43	399.91	400.84	0.010450	2.68	9.34	4.70	0.61
Rio d'Orero	10	Q200	36.00	398.10	401.12	402.90	1.78	402.90	1.78	400.29	401.55	0.010228	2.91	12.36	4.70	0.57
Rio d'Orero	10	Q500	44.00	398.10	401.50	402.90	1.40	402.90	1.40	400.55	401.99	0.010724	3.11	14.16	4.70	0.57
Rio d'Orero	9	Q50	25.00	398.40	400.25	401.60	1.35	400.60	0.35	399.96	400.78	0.016999	3.24	7.72	4.30	0.77
Rio d'Orero	9	Q200	36.00	398.40	400.91	401.60	0.69	400.60	-0.31	400.37	401.49	0.015706	3.39	10.61	4.76	0.73
Rio d'Orero	9	Q500	44.00	398.40	401.35	401.60	0.25	400.60	-0.75	400.63	401.94	0.014739	3.40	12.96	5.75	0.72
Rio d'Orero	8	Q50	25.00	397.90	400.42	401.60	1.18	400.60	0.18	399.40	400.69	0.006993	2.31	10.83	4.30	0.46
Rio d'Orero	8	Q200	36.00	397.90	401.06	401.60	0.54	400.60	-0.46	399.82	401.41	0.008313	2.62	13.73	5.10	0.51
Rio d'Orero	8	Q500	44.00	397.90	401.49	401.60	0.11	400.60	-0.89	400.10	401.87	0.008600	2.73	16.11	6.05	0.53
Rio d'Orero	7	Q50	25.00	397.80	400.04	401.60	1.56	400.15	0.11	399.50	400.52	0.015626	3.09	8.08	3.89	0.68
Rio d'Orero	7	Q200	36.00	397.80	400.64	401.60	0.96	400.15	-0.49	400.01	401.22	0.016178	3.37	10.68	4.63	0.71
Rio d'Orero	7	Q500	44.00	397.80	401.08	401.60	0.52	400.15	-0.93	400.37	401.68	0.015185	3.43	12.82	5.17	0.70
Rio d'Orero	6	Q50	25.00	397.80	399.49	401.20	1.71	401.20	1.71	399.49	400.31	0.030423	4.01	6.24	3.80	1.00
Rio d'Orero	6	Q200	36.00	397.80	399.94	401.20	1.26	401.20	1.26	399.94	400.99	0.033185	4.54	7.93	3.80	1.00
Rio d'Orero	6	Q500	44.00	397.80	400.24	401.20	0.96	401.20	0.96	400.24	401.44	0.034779	4.84	9.09	3.80	1.00
Rio d'Orero	5	Q50	25.00	396.58	397.51	401.20	3.69	401.20	3.69	398.22	400.04	0.147914	7.04	3.55	3.80	2.32
Rio d'Orero	5	Q200	36.00	396.58	397.84	401.20	3.36	401.20	3.36	398.67	400.71	0.129902	7.50	4.80	3.80	2.13
Rio d'Orero	5	Q500	44.00	396.58	398.07	401.20	3.13	401.20	3.13	398.98	401.15	0.122788	7.77	5.66	3.80	2.03
Rio d'Orero	4	Q50	25.00	396.58	397.58	401.20	3.62	401.20	3.62	398.22	399.78	0.121376	6.57	3.80	3.80	2.10
Rio d'Orero	4	Q200	36.00	396.58	397.92	401.20	3.28	401.20	3.28	398.67	400.47	0.110563	7.08	5.09	3.80	1.95
Rio d'Orero	4	Q500	44.00	396.58	398.15	401.20	3.05	401.20	3.05	398.98	400.92	0.106346	7.37	5.97	3.80	1.88
Rio d'Orero	3	Q50	25.00	396.49	397.47	401.20	3.73	401.20	3.73	398.13	399.76	0.128245	6.70	3.73	3.80	2.16
Rio d'Orero	3	Q200	36.00	396.49	397.81	401.20	3.39	401.20	3.39	398.58	400.45	0.116193	7.20	5.00	3.80	2.01
Rio d'Orero	3	Q500	44.00	396.49	398.03	401.20	3.17	401.20	3.17	398.89	400.90	0.111266	7.50	5.87	3.80	1.92
Rio d'Orero	2	Q50	25.00	395.91	396.79	401.20	4.41	401.20	4.41	397.56	399.62	0.173865	7.44	3.36	3.80	2.53
Rio d'Orero	2	Q200	36.00	395.91	397.10	401.20	4.10	401.20	4.10	398.00	400.31	0.152322	7.93	4.54	3.80	2.32
Rio d'Orero	2	Q500	44.00	395.91	397.32	401.20	3.88	401.20	3.88	398.31	400.76	0.143581	8.22	5.35	3.80	2.21
Rio d'Orero	1	Q50	25.00	395.91	396.97	401.20	4.23	401.20	4.23	397.56	398.93	0.102452	6.20	4.04	3.80	1.92

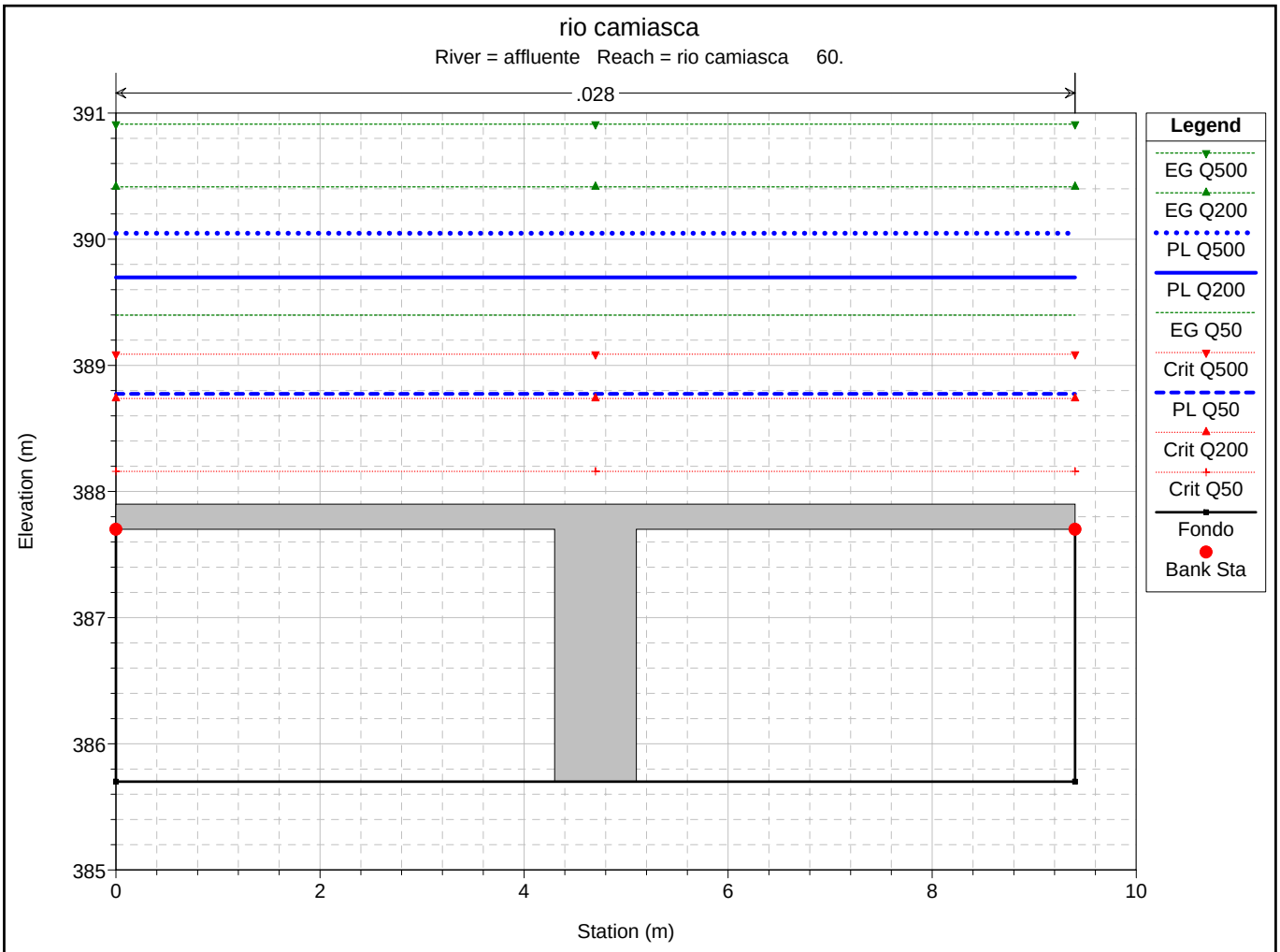
HEC-RAS Plan: Rio d'Orero River: Rio d'Orero Reach: Rio d'Orero (Continued)

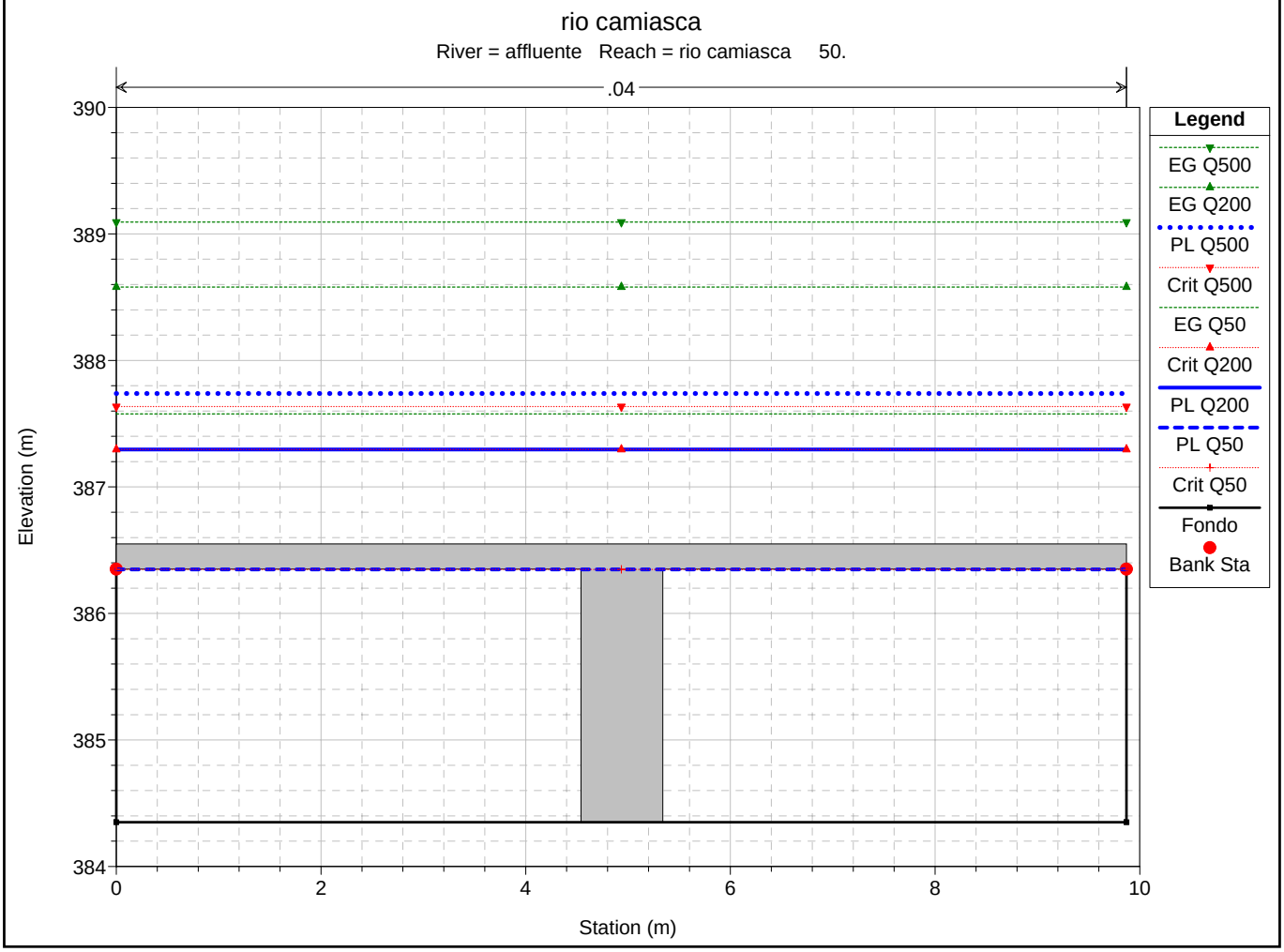
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Rio d'Orero	1	Q200	36.00	395.91	397.30	401.20	3.90	401.20	3.90	398.00	399.66	0.099065	6.80	5.29	3.80	1.84
Rio d'Orero	1	Q500	44.00	395.91	397.53	401.20	3.67	401.20	3.67	398.31	400.12	0.097143	7.13	6.17	3.80	1.79

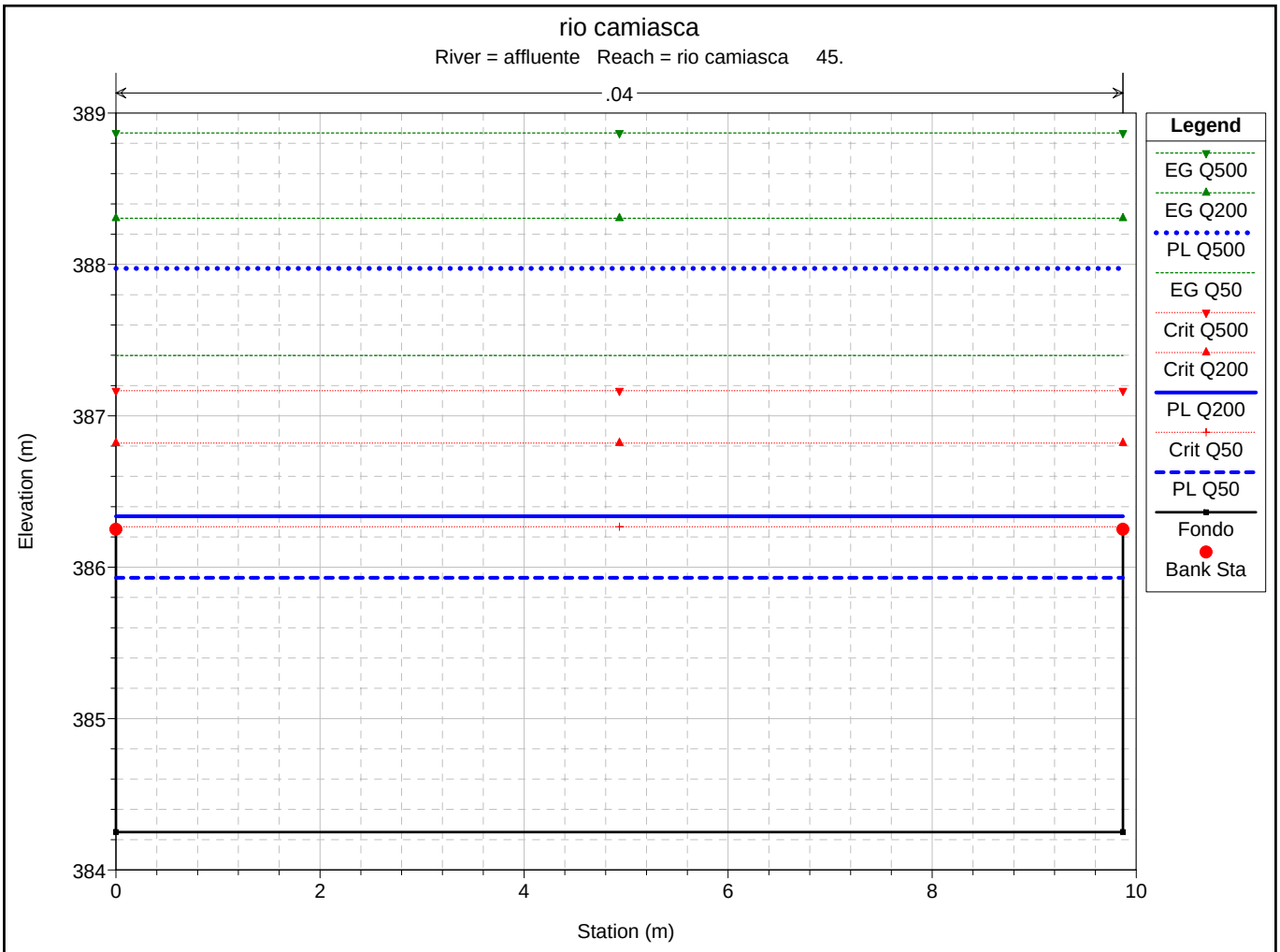
Rio Camiasca

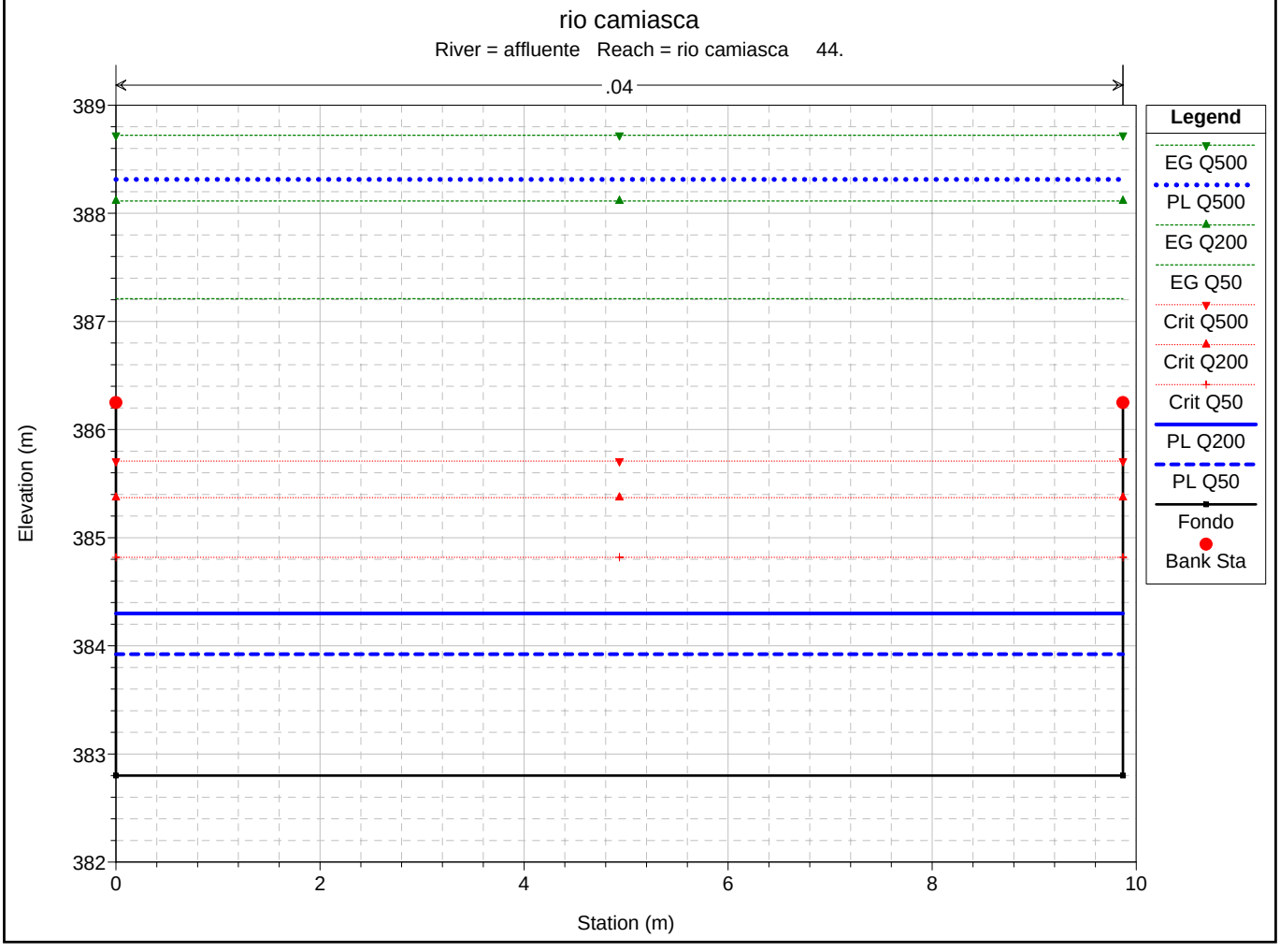
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

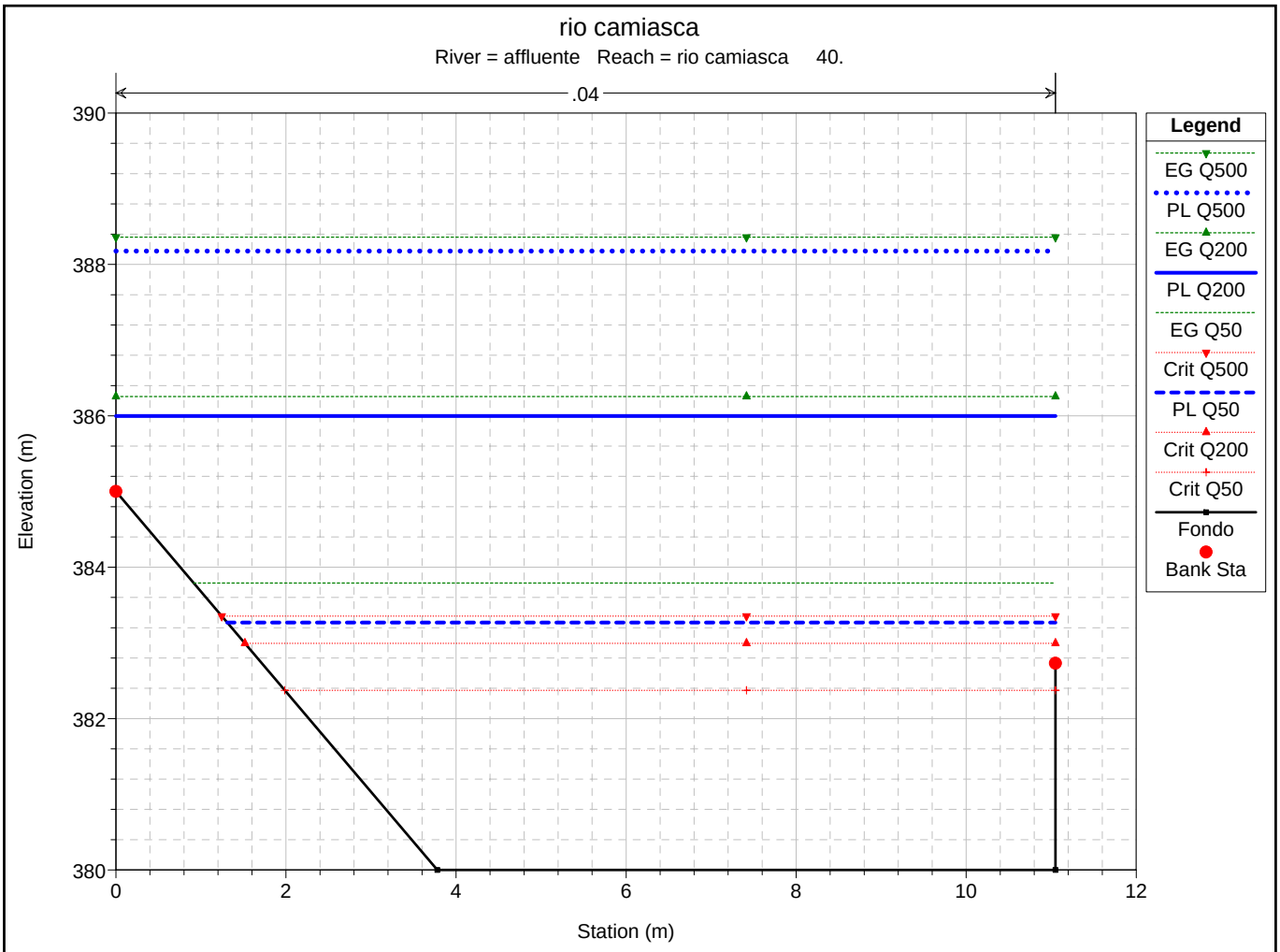

rio camiasca
affluente rio camiasca
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
390
388
386
384
382
380
378
376
374
0
50
100
150
200
250
300
Main Channel Distance (m)
20.
30.
40.
44.
50.
60.
sez. fittizia

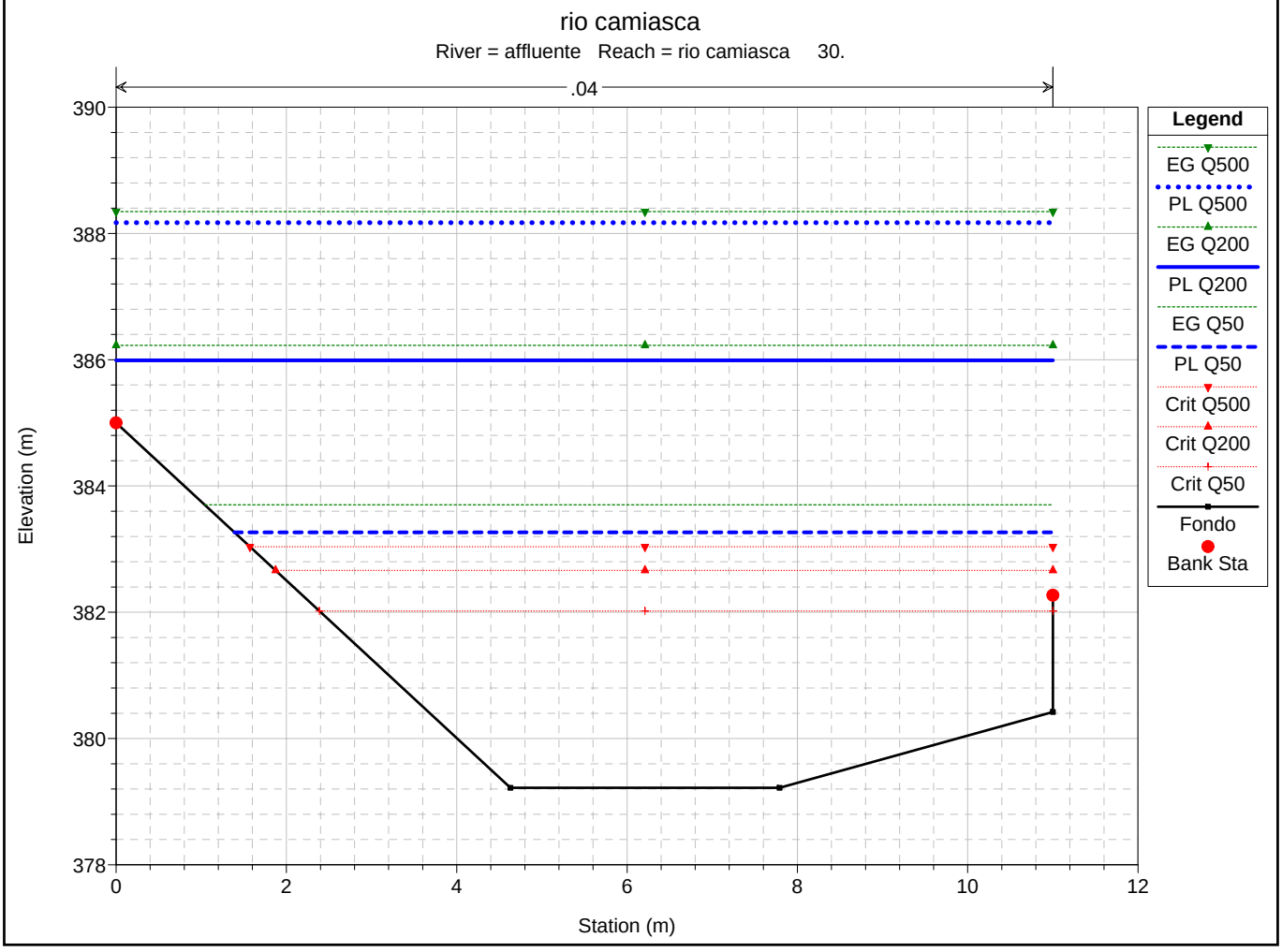

rio camiasca
River = affluente Reach = rio camiasca 60.
.028
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
391
390
389
388
387
386
385
0
2
4
6
8
10


rio camiasca
River = affluente Reach = rio camiasca 50.
.04
Legend
EG Q500
EG Q200
PL Q500
Crit Q500
EG Q50
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
390
389
388
387
386
385
384
0
2
4
6
8
10


rio camiasca
River = affluente Reach = rio camiasca 45.
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
Crit Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

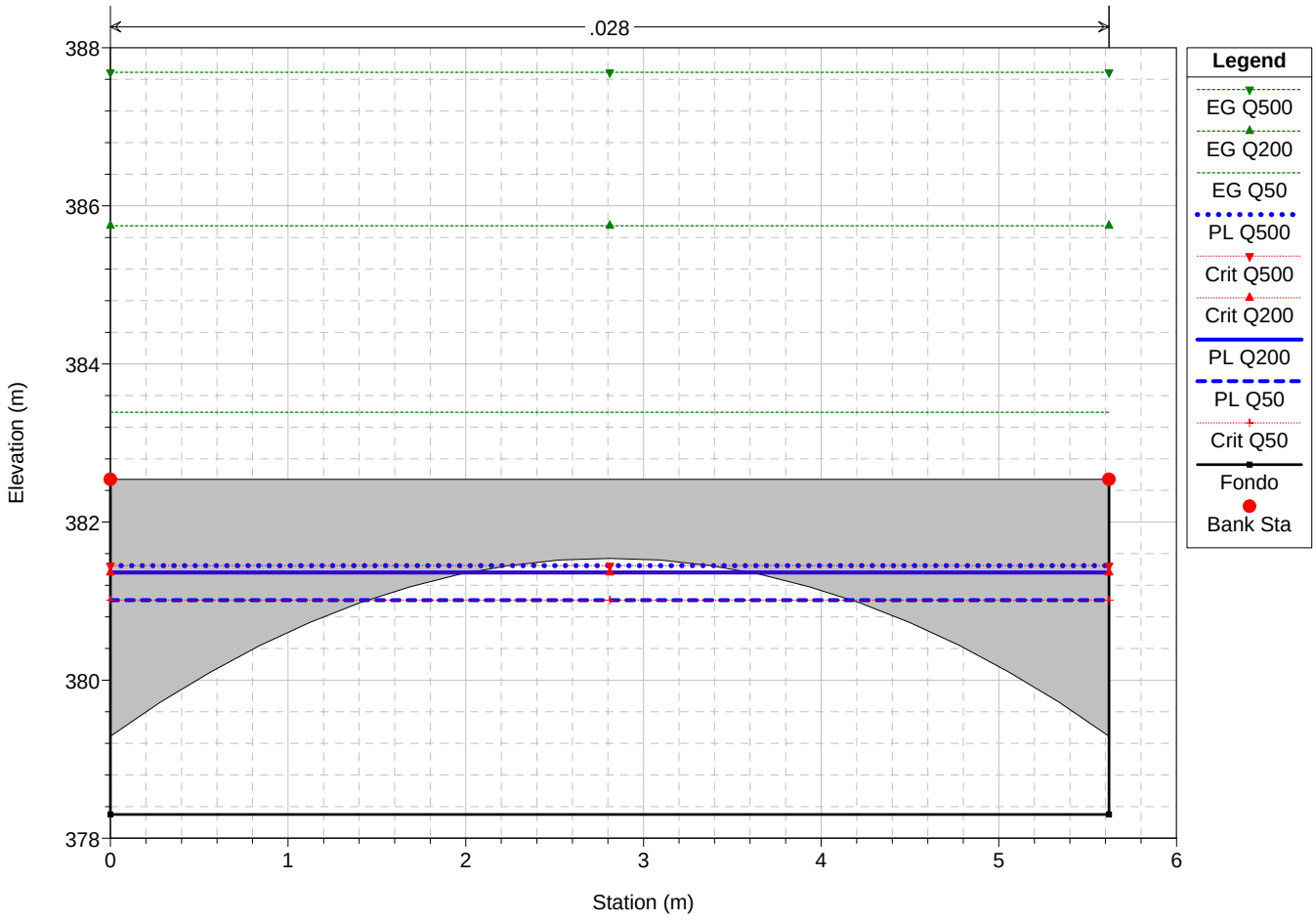

rio camiasca
River = affluente Reach = rio camiasca 44.
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta


rio camiasca
River = affluente Reach = rio camiasca 40.
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta


rio camiasca
River = affluente Reach = rio camiasca 30.
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

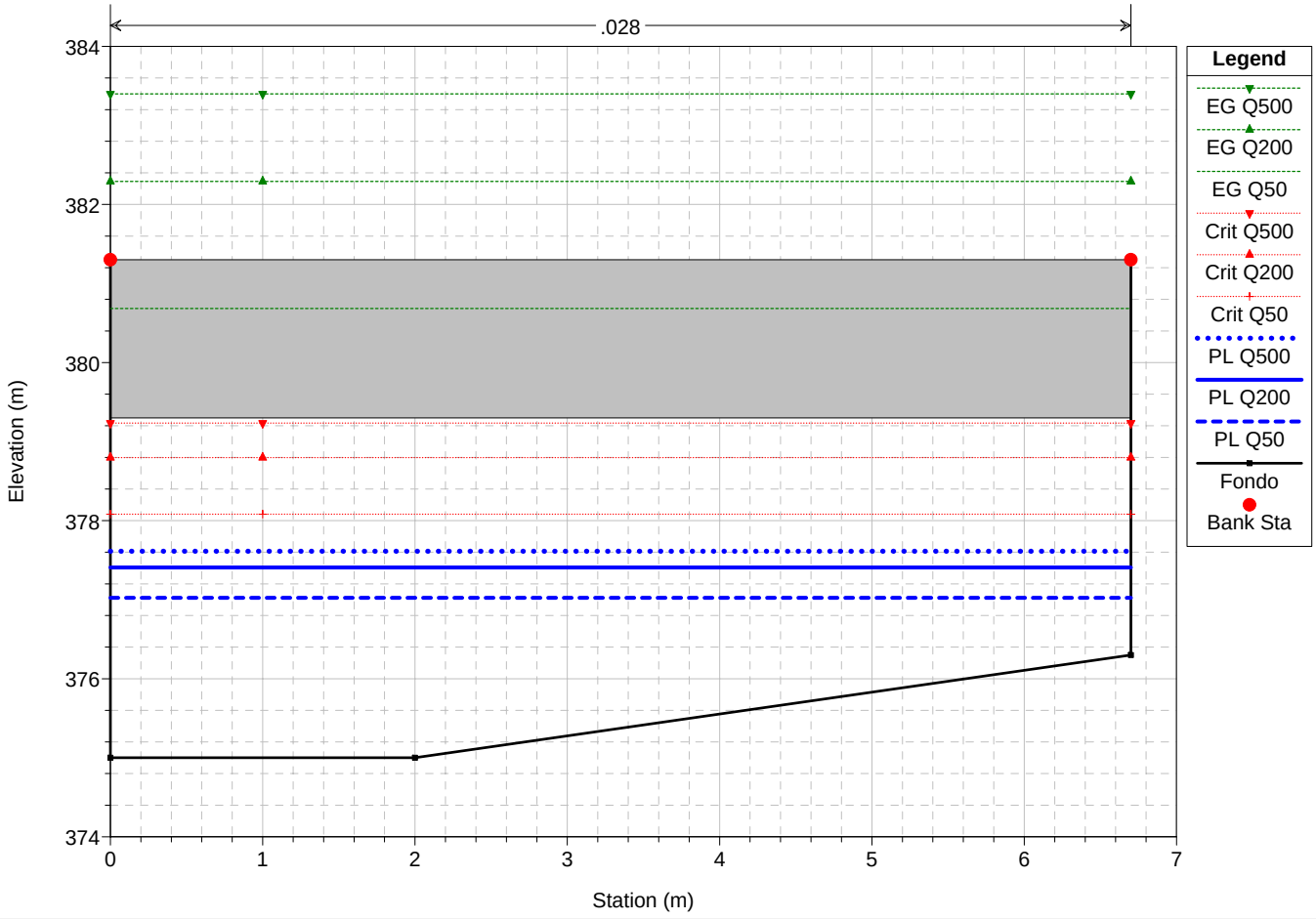
rio camiasca

River = affluente Reach = rio camiasca 20.



rio camiasca

River = affluente Reach = rio camiasca 10.

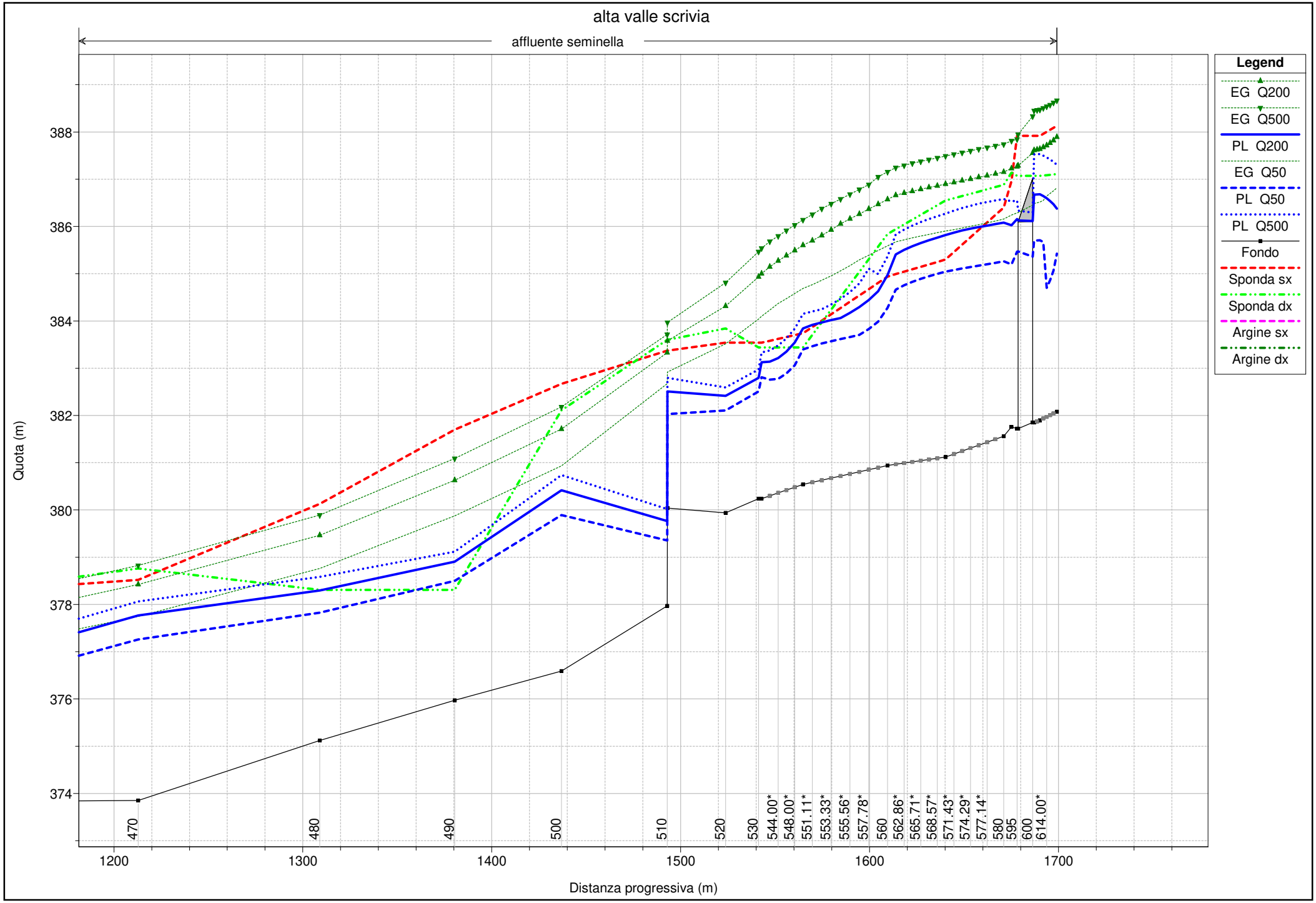


HEC-RAS Plan: Rio Camiasca River: affluente Reach: rio camiasca

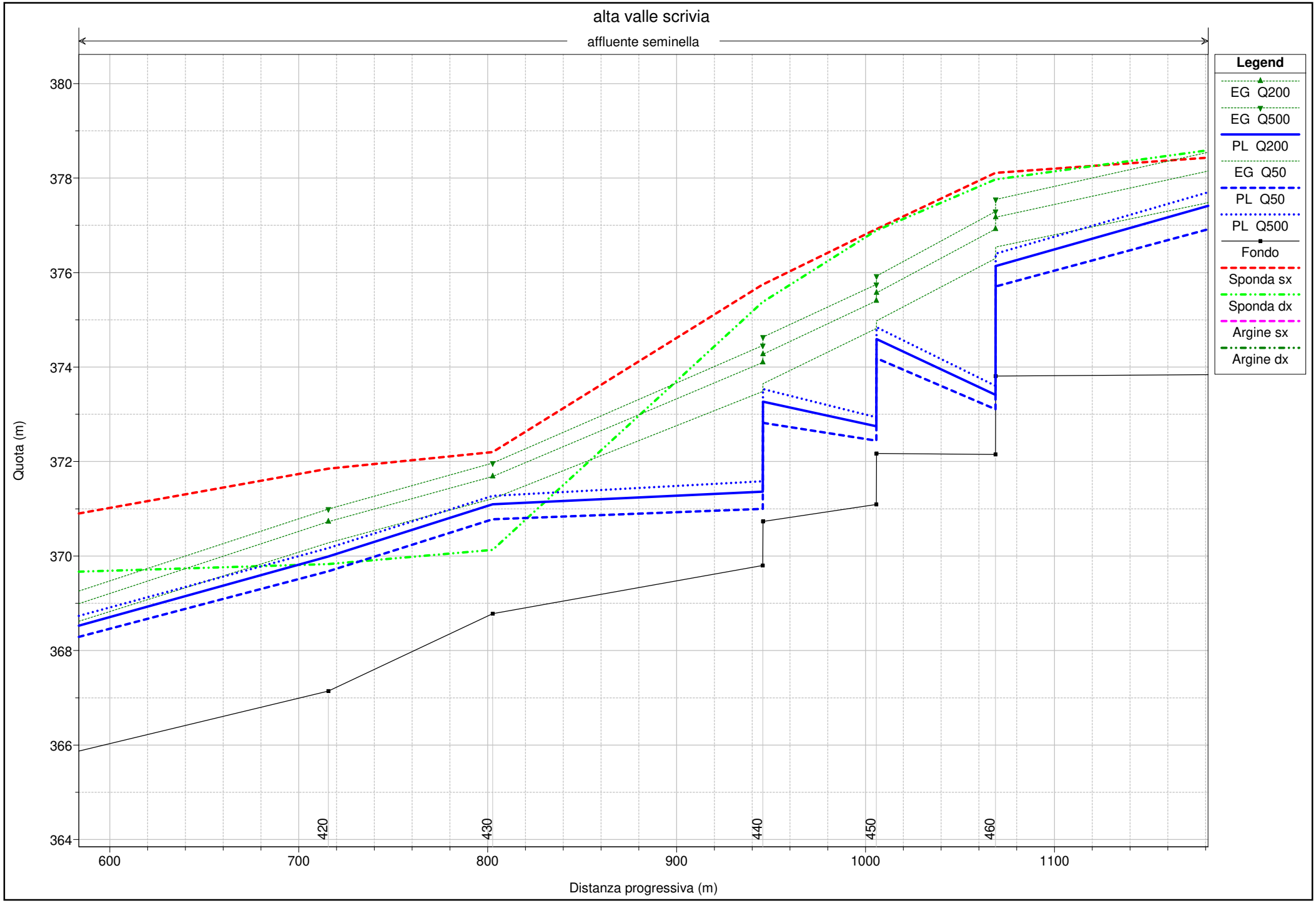
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
rio camiasca	100 sez. fittizia	Q50	89.00	385.70	389.07	387.70	-1.37	387.70	-1.37	387.78	389.47	0.002518	2.81	31.68	9.40	0.49
rio camiasca	100 sez. fittizia	Q200	128.00	385.70	389.97	387.70	-2.27	387.70	-2.27	388.36	390.49	0.002731	3.19	40.10	9.40	0.49
rio camiasca	100 sez. fittizia	Q500	154.00	385.70	390.36	387.70	-2.66	387.70	-2.66	388.71	390.99	0.003115	3.51	43.83	9.40	0.52
rio camiasca	60. 60.	Q50	89.00	385.70	388.77	387.70	-1.07	387.70	-1.07	388.16	389.40	0.015399	3.50	25.42	9.40	0.64
rio camiasca	60. 60.	Q200	128.00	385.70	389.70	387.70	-2.00	387.70	-2.00	388.74	390.42	0.011969	3.75	34.09	9.40	0.60
rio camiasca	60. 60.	Q500	154.00	385.70	390.05	387.70	-2.35	387.70	-2.35	389.09	390.91	0.012739	4.12	37.39	9.40	0.63
rio camiasca	50. 50.	Q50	89.00	384.35	386.35	386.35	0.00	386.35	0.00	386.35	387.58	0.040121	4.91	18.12	9.07	1.11
rio camiasca	50. 50.	Q200	128.00	384.35	387.30	386.35	-0.95	386.35	-0.95	387.30	388.58	0.067710	5.02	25.50	9.87	0.93
rio camiasca	50. 50.	Q500	154.00	384.35	387.74	386.35	-1.39	386.35	-1.39	387.64	389.09	0.057808	5.16	29.87	9.87	0.89
rio camiasca	45. 45.	Q50	89.00	384.25	385.93	386.25	0.32	386.25	0.32	386.27	387.40	0.034126	5.37	16.58	9.87	1.32
rio camiasca	45. 45.	Q200	128.00	384.25	386.34	386.25	-0.09	386.25	-0.09	386.82	388.31	0.037125	6.22	20.59	9.87	1.37
rio camiasca	45. 45.	Q500	154.00	384.25	387.97	386.25	-1.72	386.25	-1.72	387.17	388.87	0.010297	4.19	36.76	9.87	0.69
rio camiasca	44. 44.	Q50	89.00	382.80	383.92	386.25	2.33	386.25	2.33	384.82	387.21	0.116307	8.03	11.08	9.87	2.42
rio camiasca	44. 44.	Q200	128.00	382.80	384.30	386.25	1.95	386.25	1.95	385.37	388.11	0.099514	8.65	14.79	9.87	2.26
rio camiasca	44. 44.	Q500	154.00	382.80	388.31	386.25	-2.06	386.25	-2.06	385.71	388.72	0.003576	2.83	54.42	9.87	0.38
rio camiasca	40. 40.	Q50	89.00	380.00	383.27	385.00	1.73	382.73	-0.54	382.37	383.79	0.006963	3.20	27.81	9.74	0.60
rio camiasca	40. 40.	Q200	128.00	380.00	386.00	385.00	-1.00	382.73	-3.27	382.99	386.26	0.002091	2.25	56.81	11.05	0.32
rio camiasca	40. 40.	Q500	154.00	380.00	388.18	385.00	-3.18	382.73	-5.45	383.35	388.36	0.001204	1.90	80.90	11.05	0.22
rio camiasca	30. 30.	Q50	89.00	379.22	383.27	385.00	1.73	382.27	-1.00	382.02	383.70	0.005164	2.93	30.40	9.61	0.53
rio camiasca	30. 30.	Q200	128.00	379.22	385.99	385.00	-0.99	382.27	-3.72	382.66	386.23	0.001829	2.16	59.16	11.00	0.30
rio camiasca	30. 30.	Q500	154.00	379.22	388.17	385.00	-3.17	382.27	-5.90	383.04	388.35	0.001100	1.85	83.15	11.00	0.22
rio camiasca	20. 20.	Q50	89.00	378.30	381.01	379.29	-1.72	379.29	-1.72	381.01	383.39	0.033251	6.83	13.03	2.72	1.32
rio camiasca	20. 20.	Q200	128.00	378.30	381.36	379.29	-2.07	379.29	-2.07	381.36	385.75	0.065377	9.28	13.79	1.58	1.69
rio camiasca	20. 20.	Q500	154.00	378.30	381.45	379.29	-2.16	379.29	-2.16	381.45	387.69	0.096374	11.07	13.91	1.13	1.99
rio camiasca	10. 10.	Q50	89.00	375.00	377.02	379.30	2.28	379.30	2.28	378.08	380.68	0.050162	8.48	10.50	6.70	2.16
rio camiasca	10. 10.	Q200	128.00	375.00	377.41	379.30	1.89	379.30	1.89	378.80	382.29	0.055359	9.79	13.07	6.70	2.24
rio camiasca	10. 10.	Q500	154.00	375.00	377.61	379.30	1.69	379.30	1.69	379.23	383.40	0.060410	10.66	14.45	6.70	2.32

Torrente Seminella

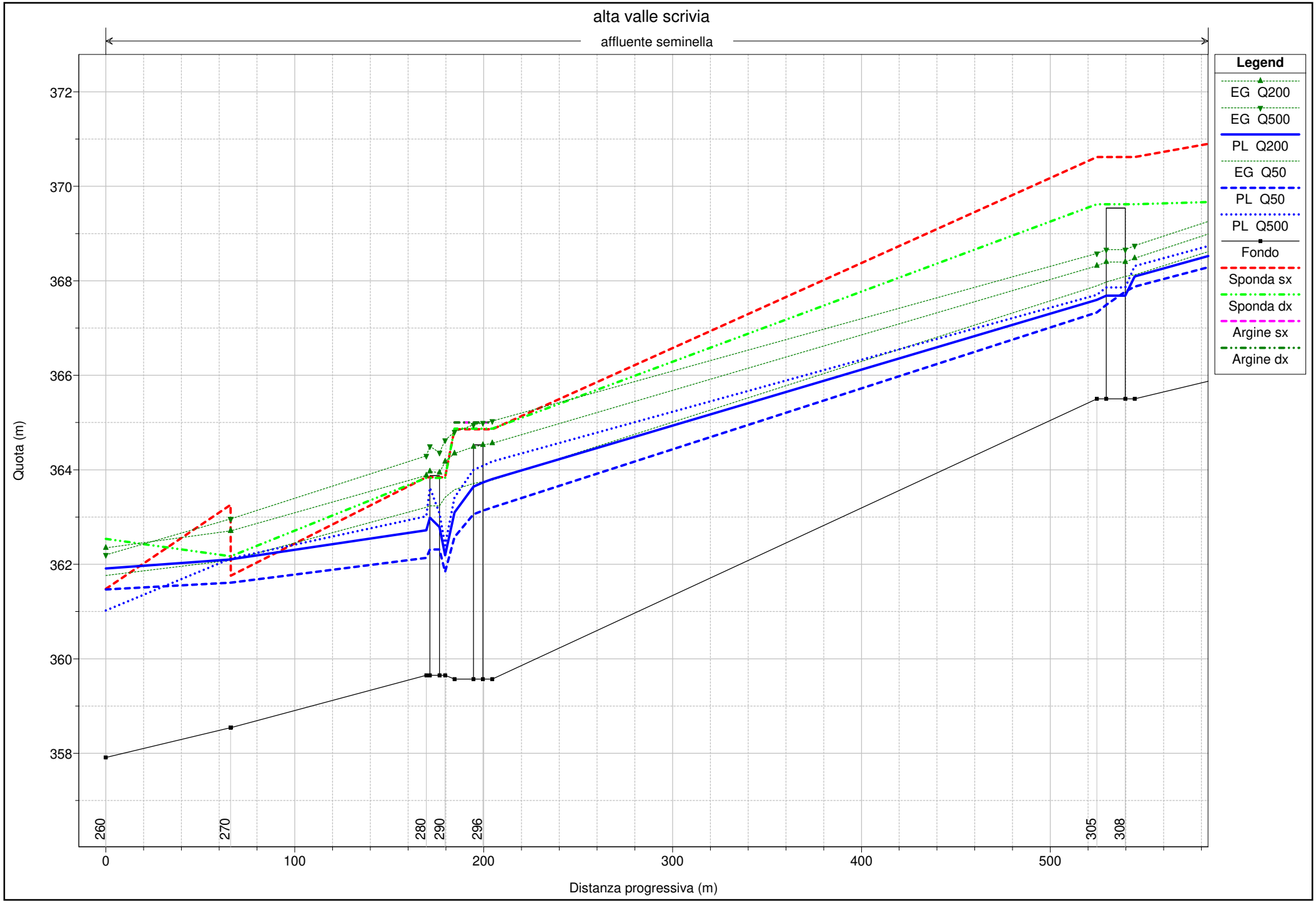
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati



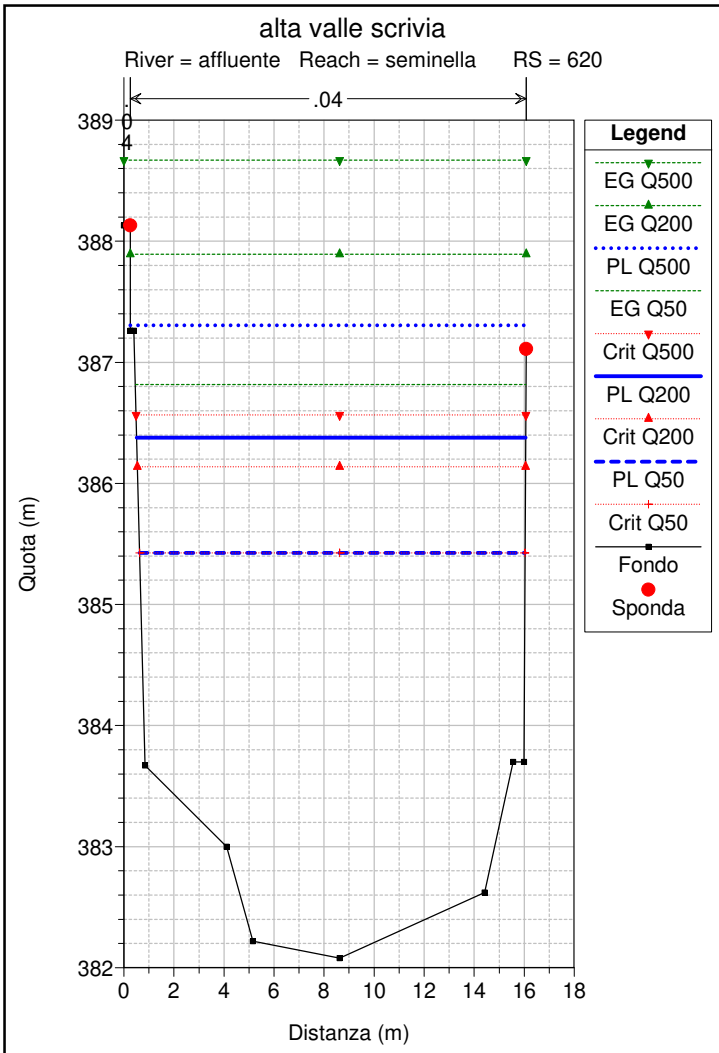
1 cm Horiz. = 25 m 1 cm Vert. = 1 m

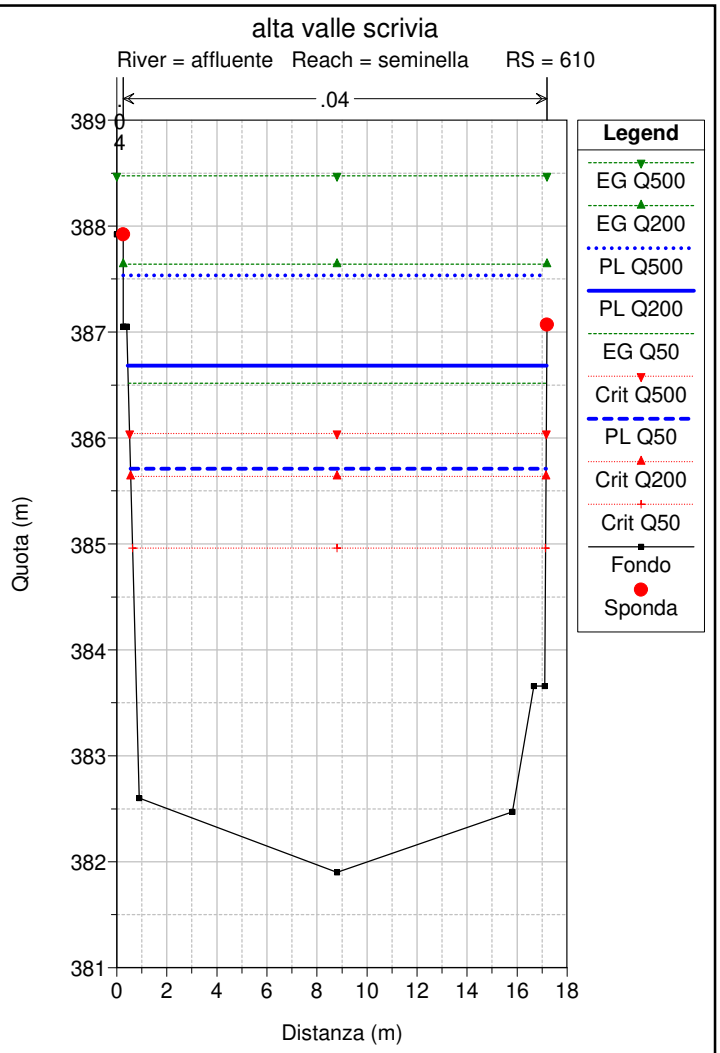


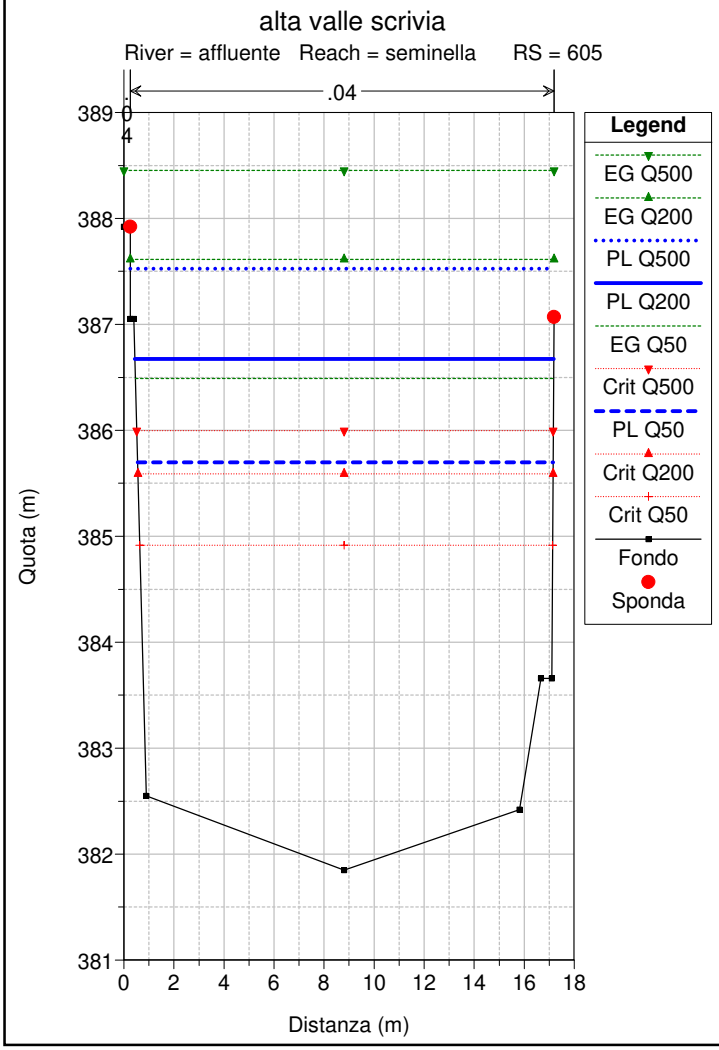
1 cm Horiz. = 25 m 1 cm Vert. = 1 m

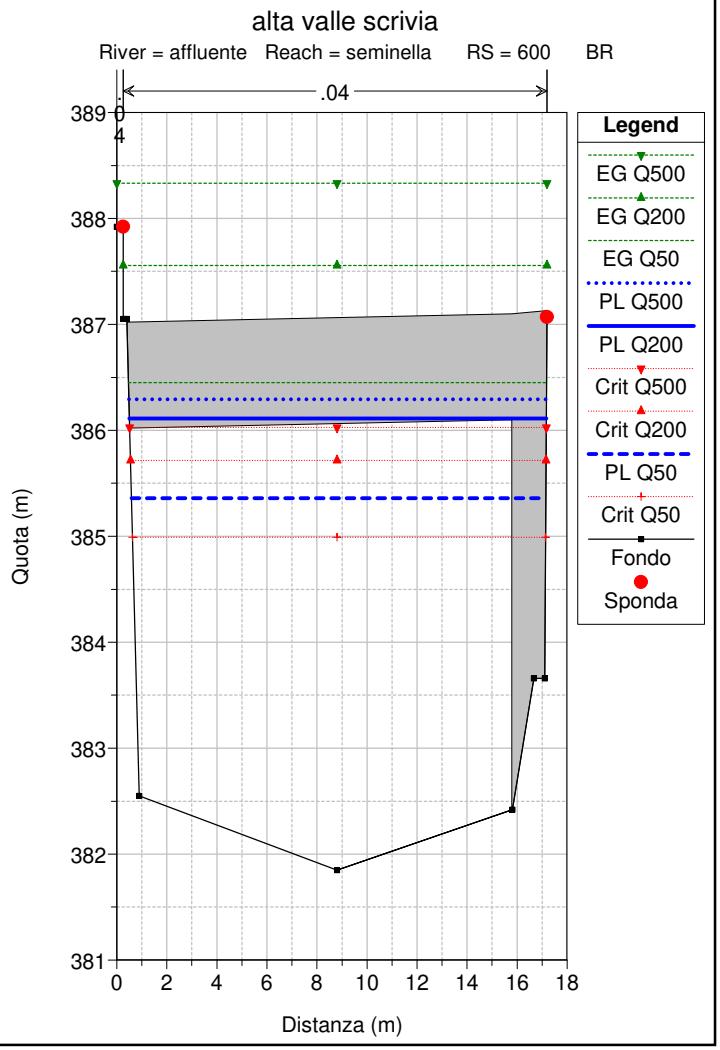


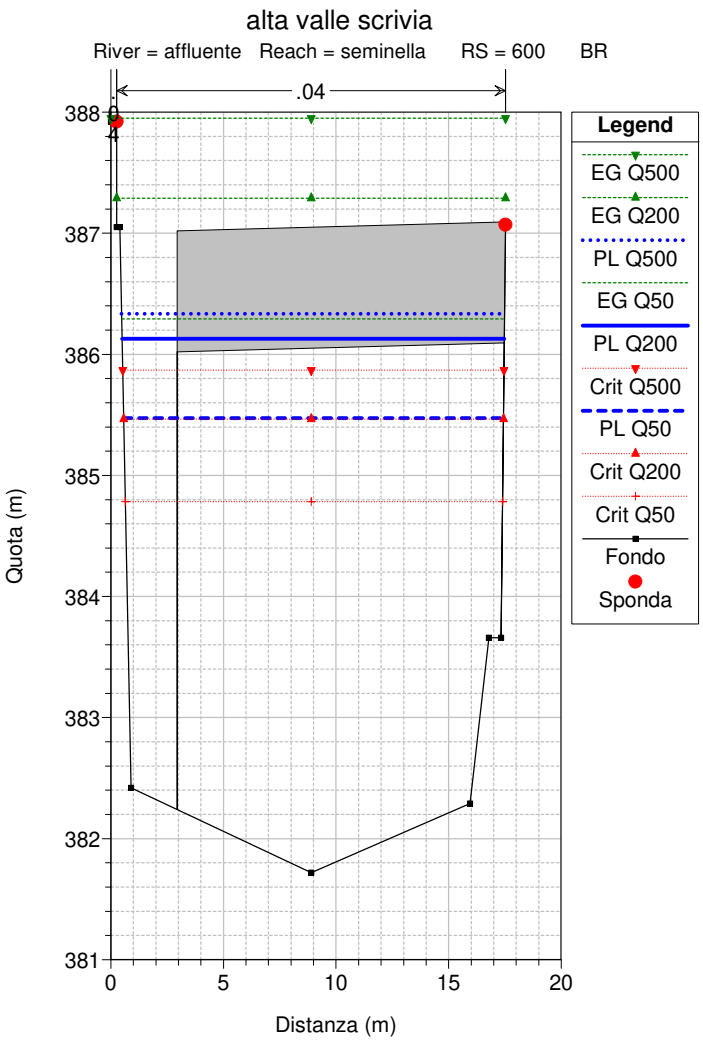
1 cm Horiz. = 25 m 1 cm Vert. = 1 m

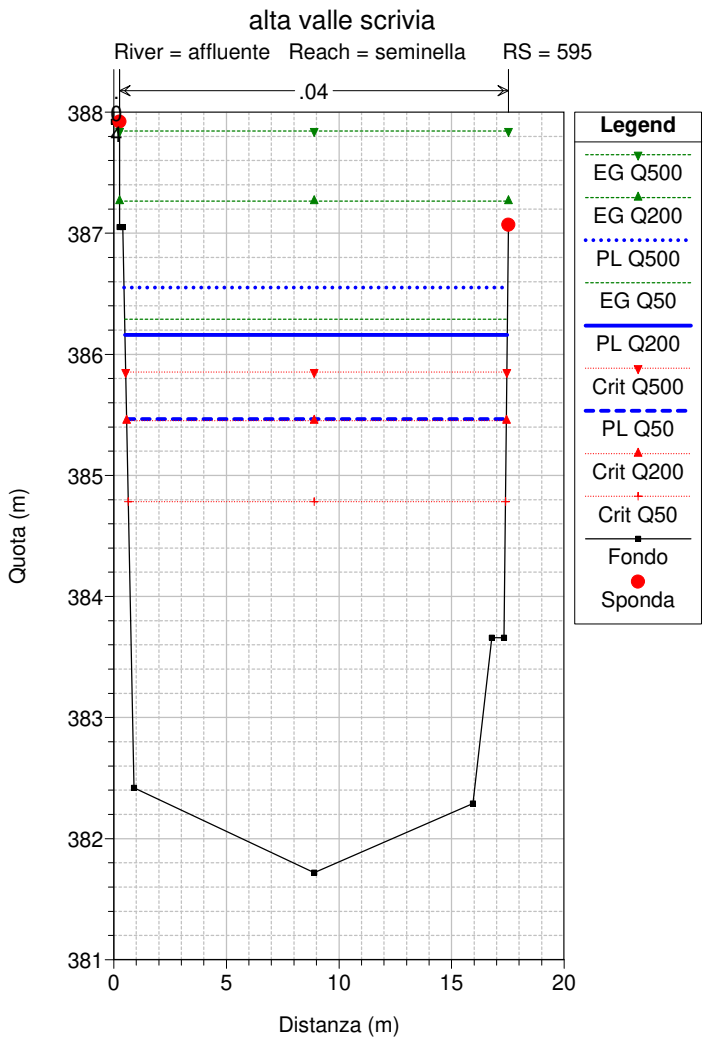

alta valle scrivia
River = affluente Reach = seminella RS = 620
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

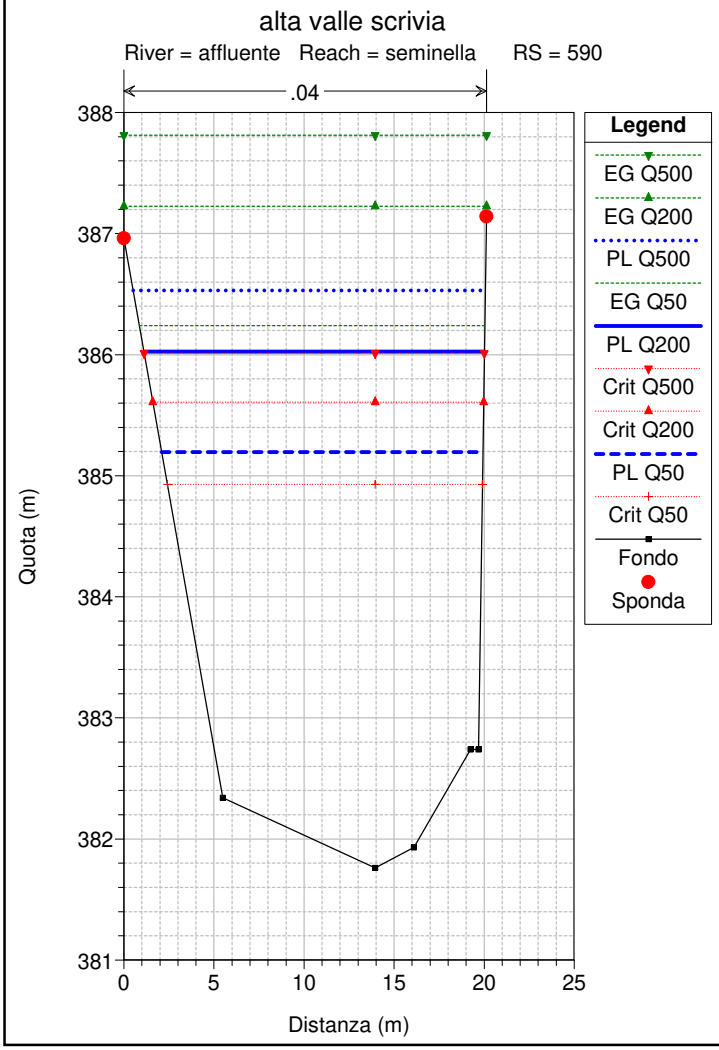

alta valle scrivia
River = affluente Reach = seminella RS = 610
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

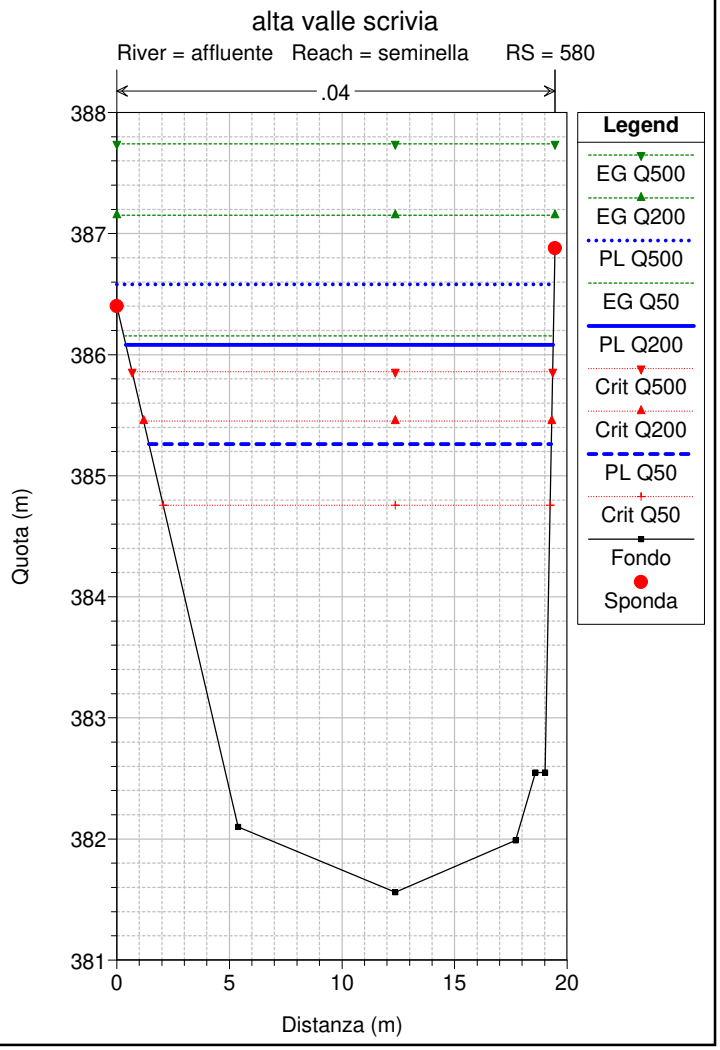

alta valle scrivia
River = affluente Reach = seminella RS = 605
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

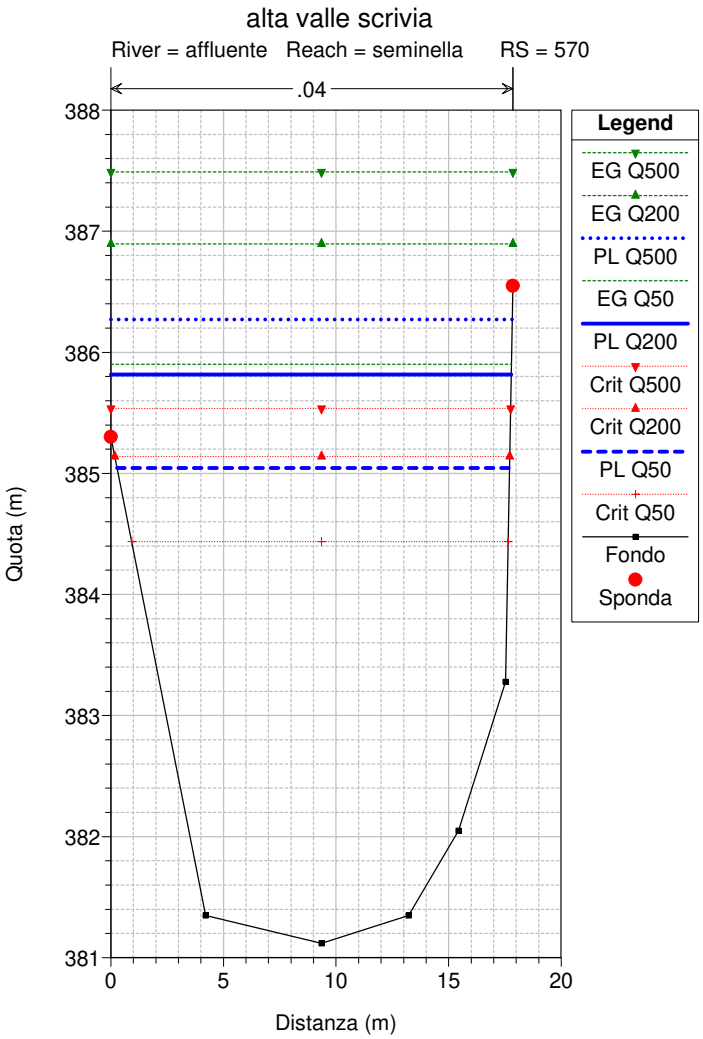

alta valle scrivia
River = affluente Reach = seminella RS = 600 BR
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

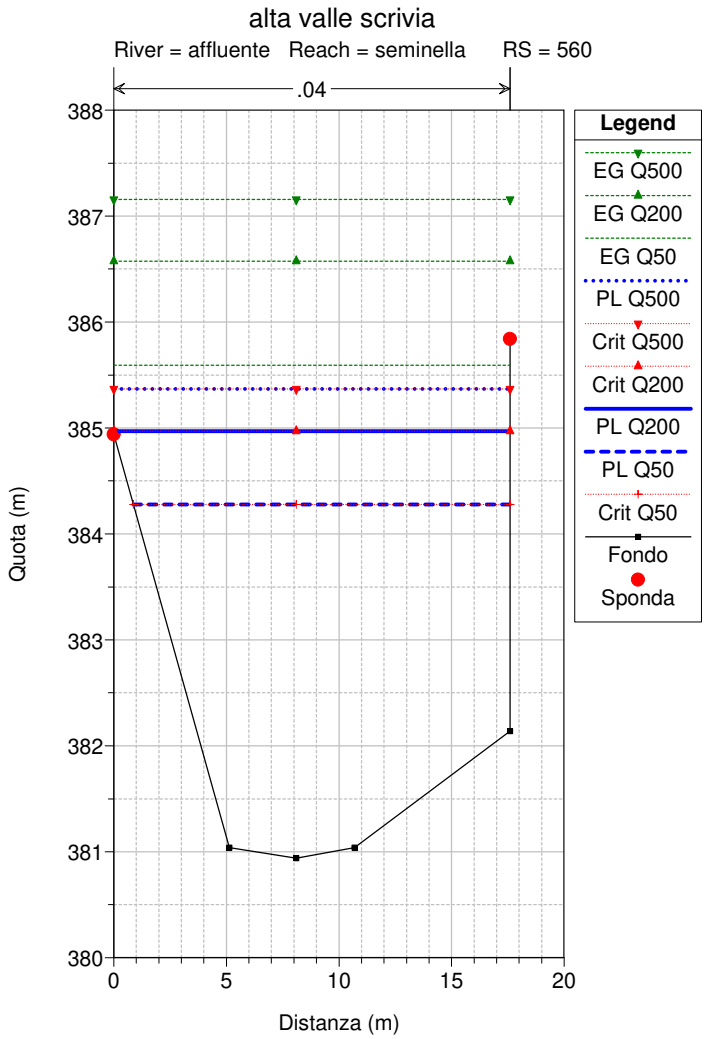

alta valle scrivia
River = affluente Reach = seminella RS = 600 BR
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

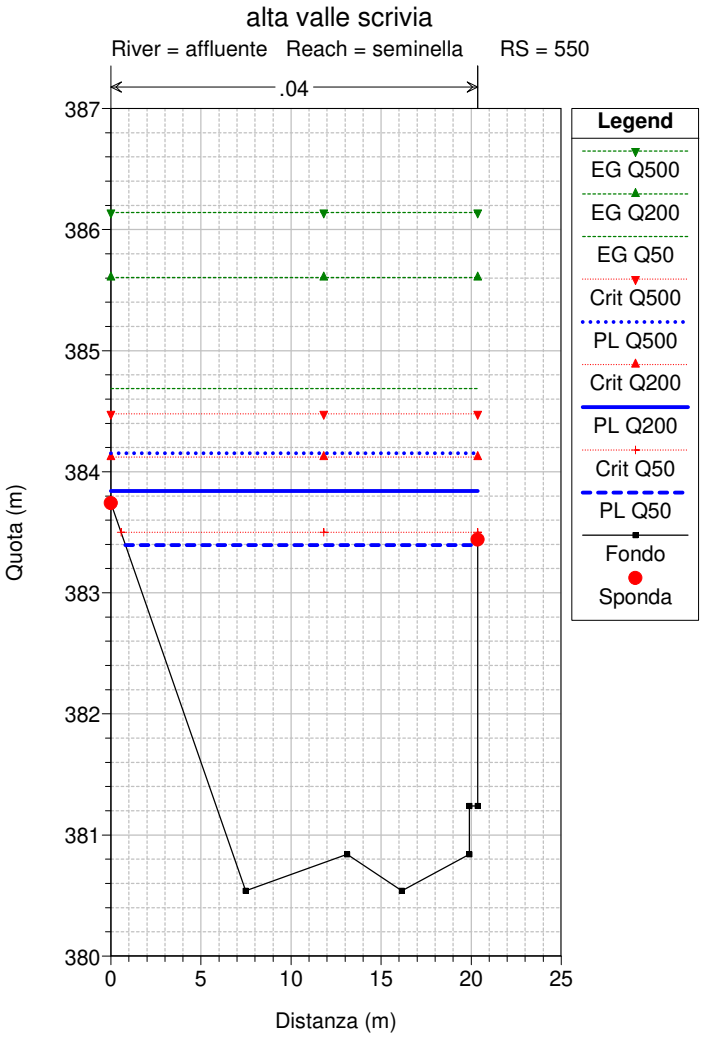

alta valle scrivia
River = affluente Reach = seminella RS = 595
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

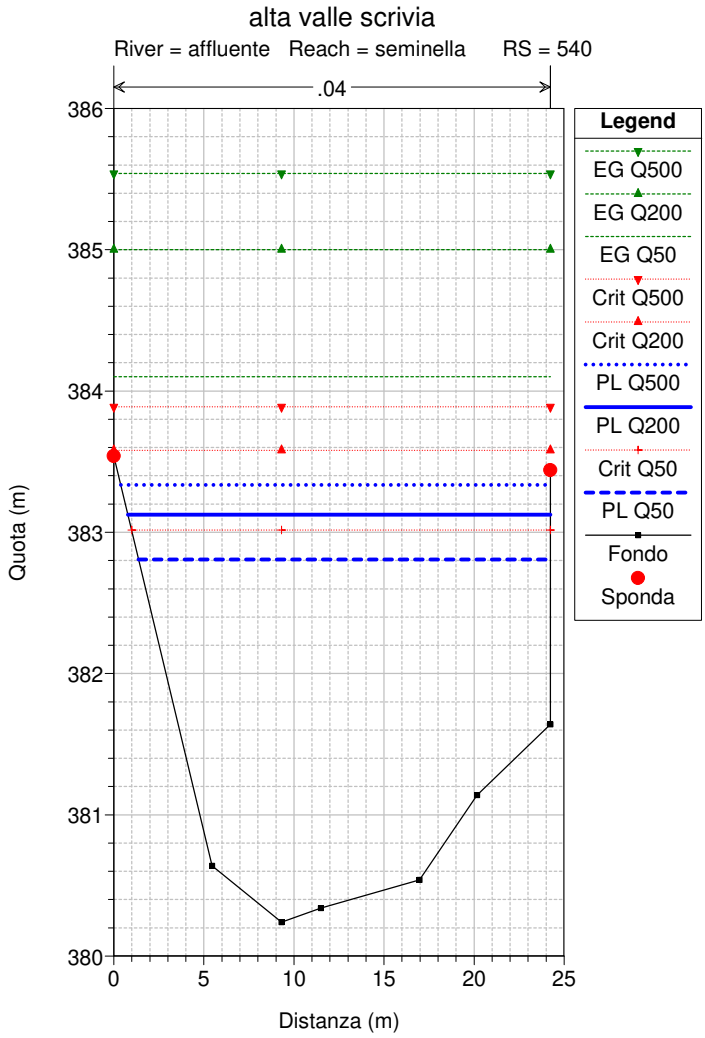

alta valle scrivia
River = affluente Reach = seminella RS = 590
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

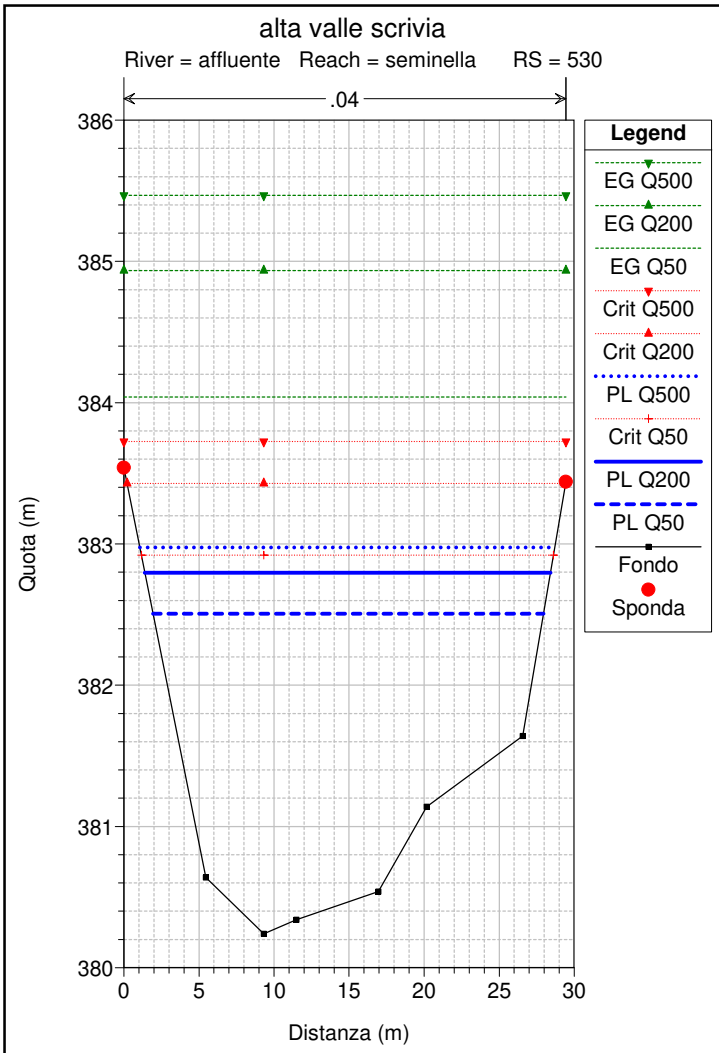

alta valle scrivia
River = affluente Reach = seminella RS = 580
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

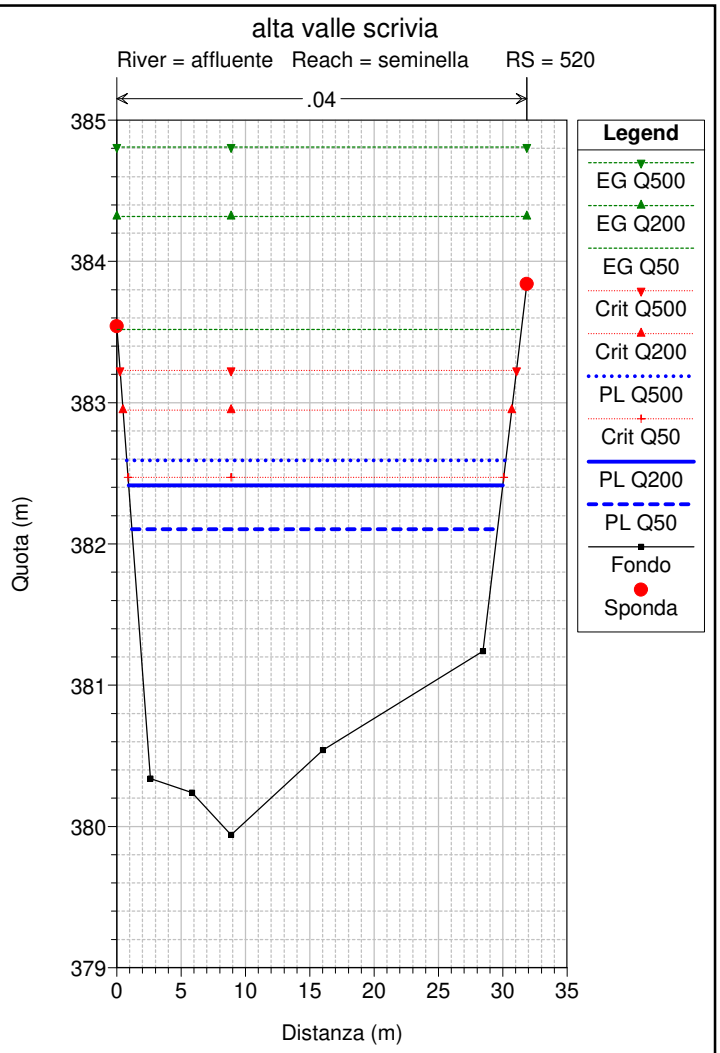

alta valle scrivia
River = affluente Reach = seminella RS = 570
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

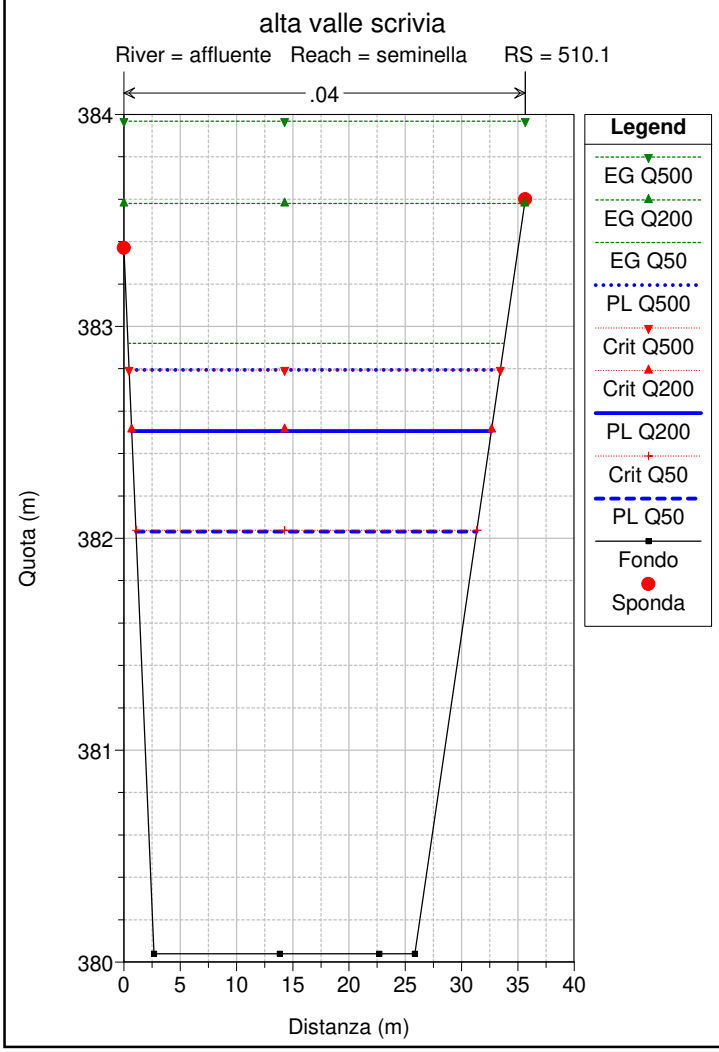

alta valle scrivia
River = affluente Reach = seminella RS = 560
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

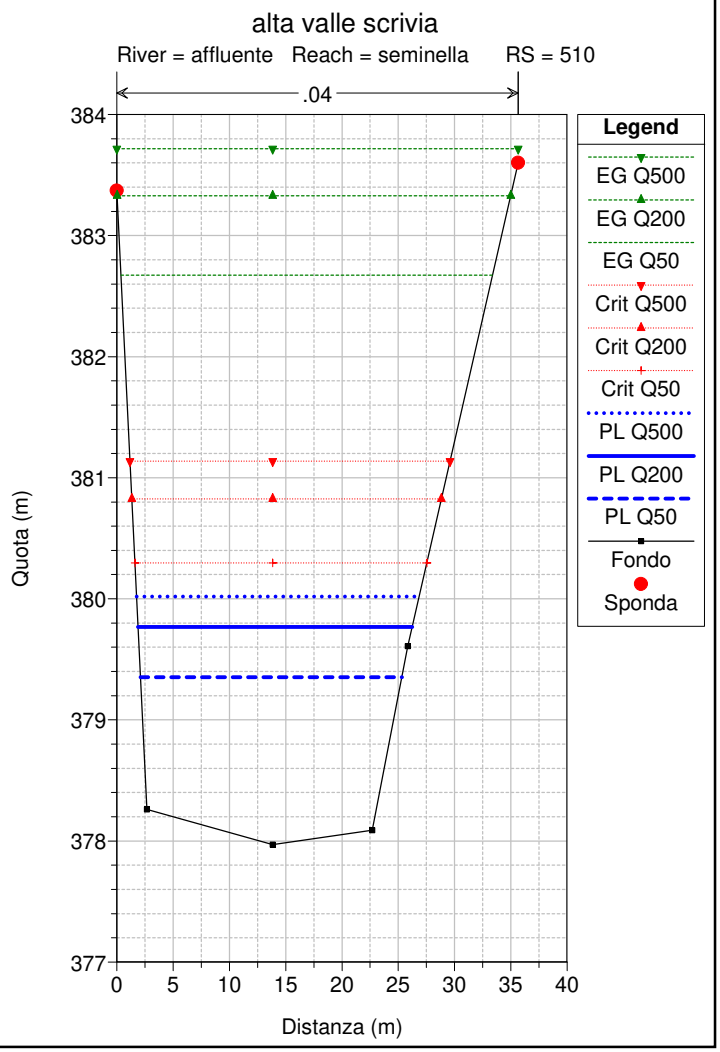

alta valle scrivia
River = affluente Reach = seminella RS = 550
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)

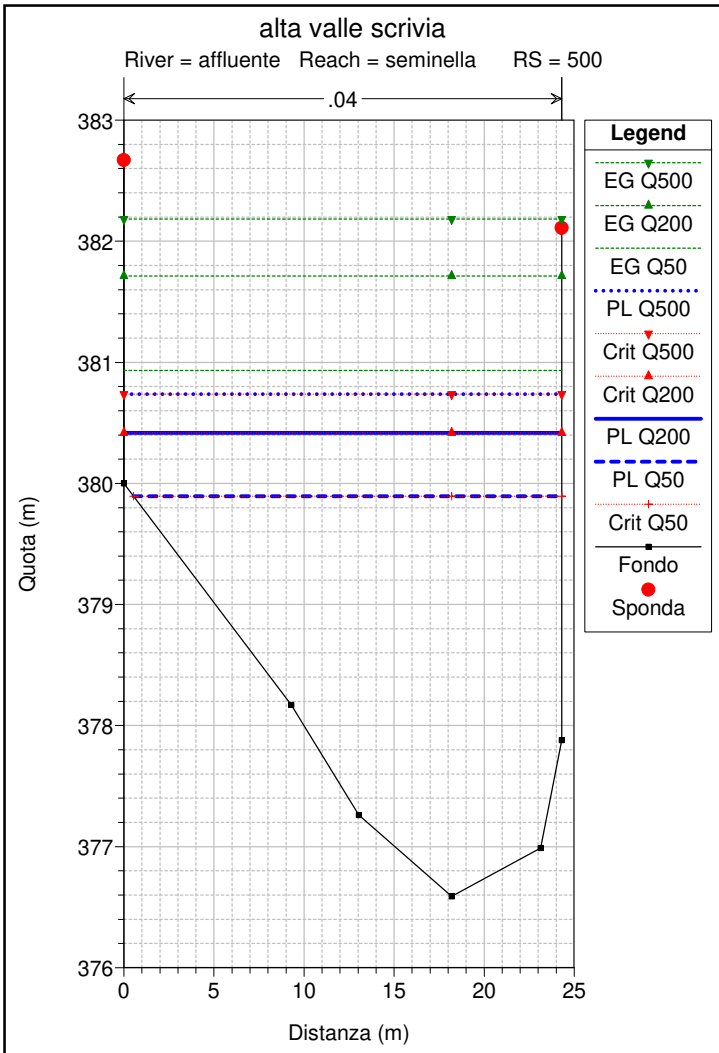

alta valle scrivia
River = affluente Reach = seminella RS = 540
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)

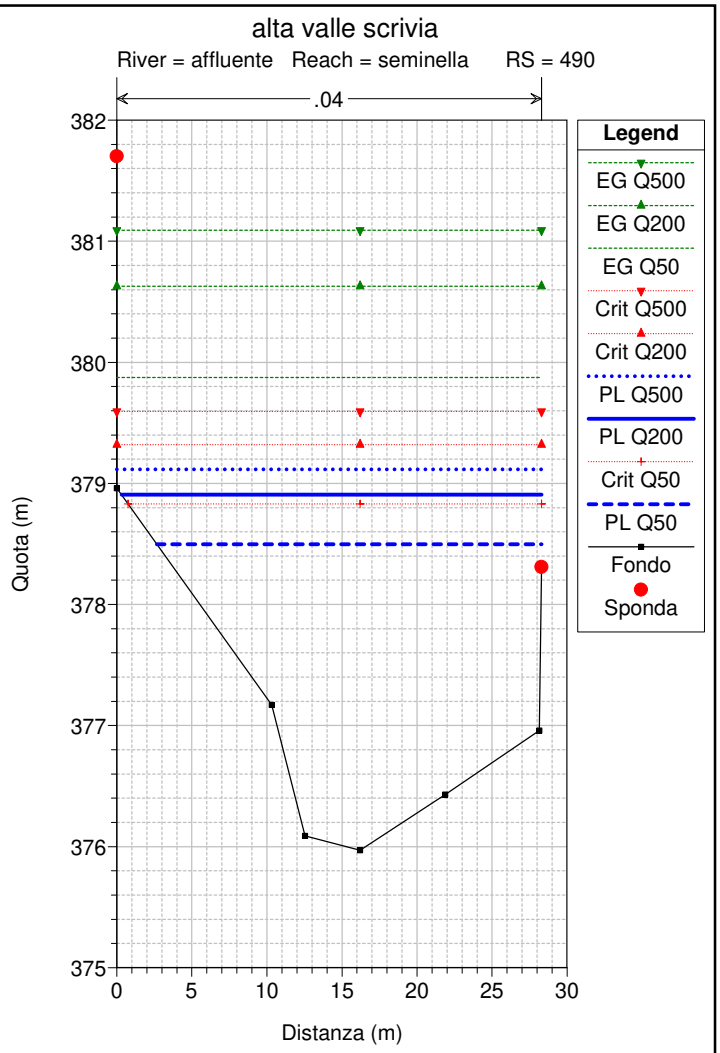

alta valle scrivia
River = affluente Reach = seminella RS = 530
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda

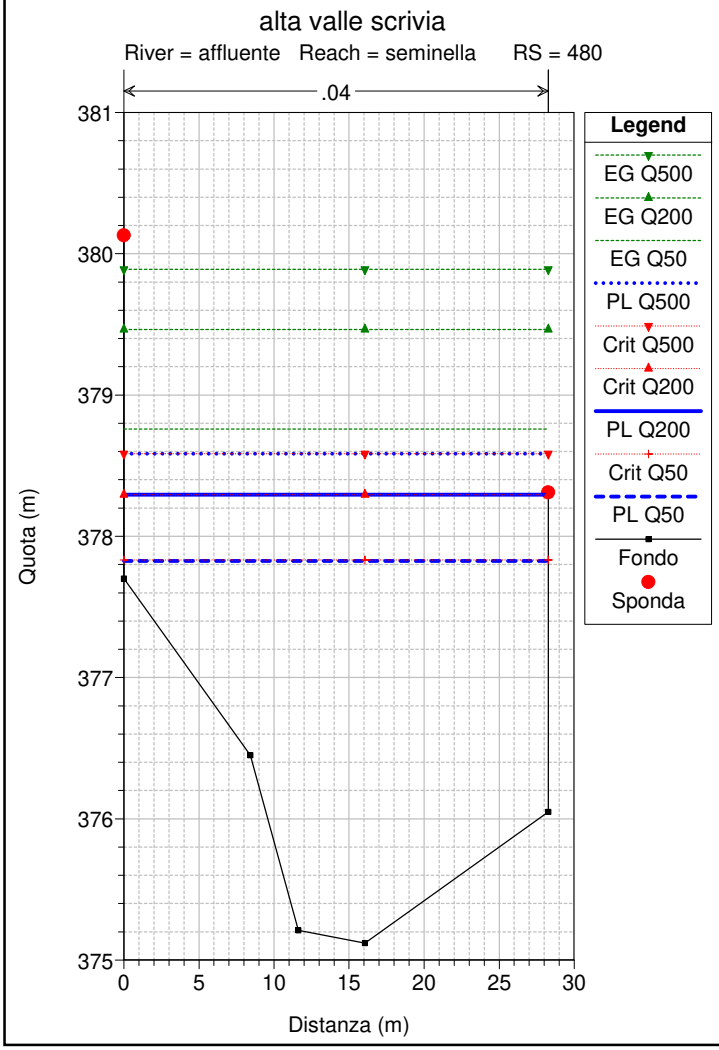

alta valle scrivia
River = affluente Reach = seminella RS = 520
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda

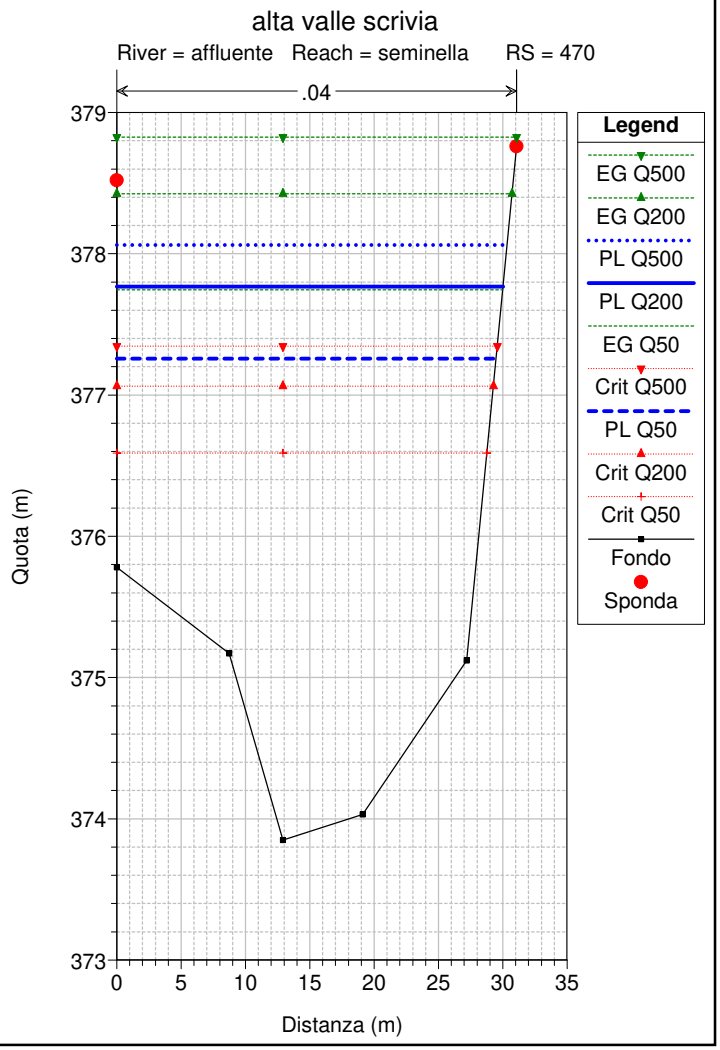

alta valle scrivia
River = affluente Reach = seminella RS = 510.1
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Sponda

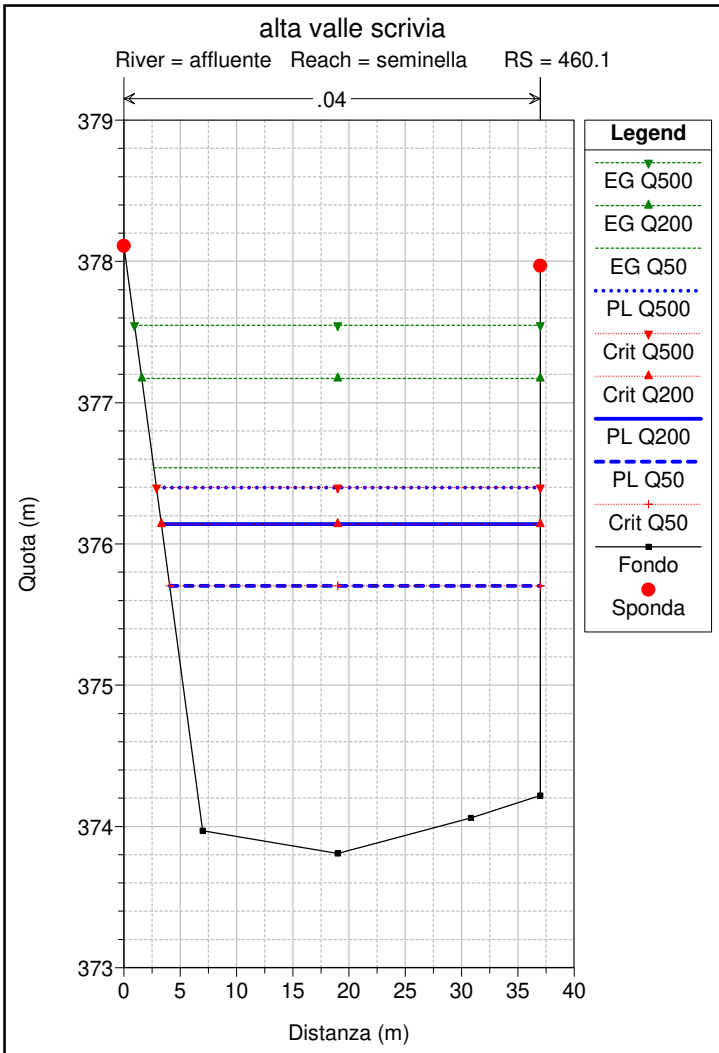

alta valle scrivia
River = affluente Reach = seminella RS = 510
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda

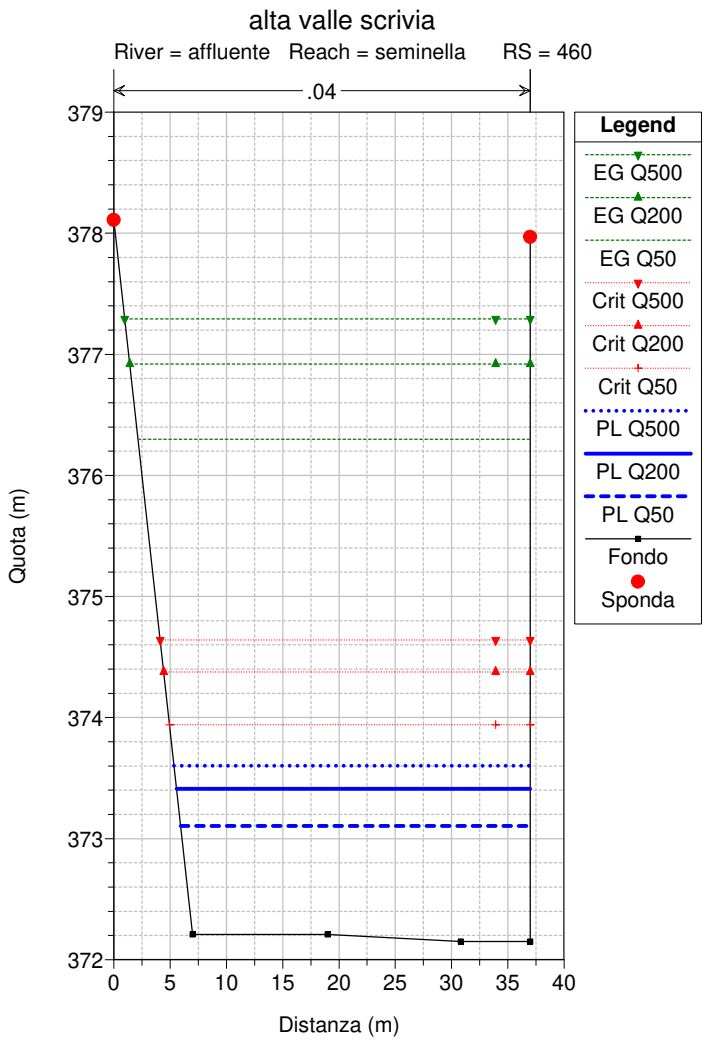

alta valle scrivia
River = affluente Reach = seminella RS = 500
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

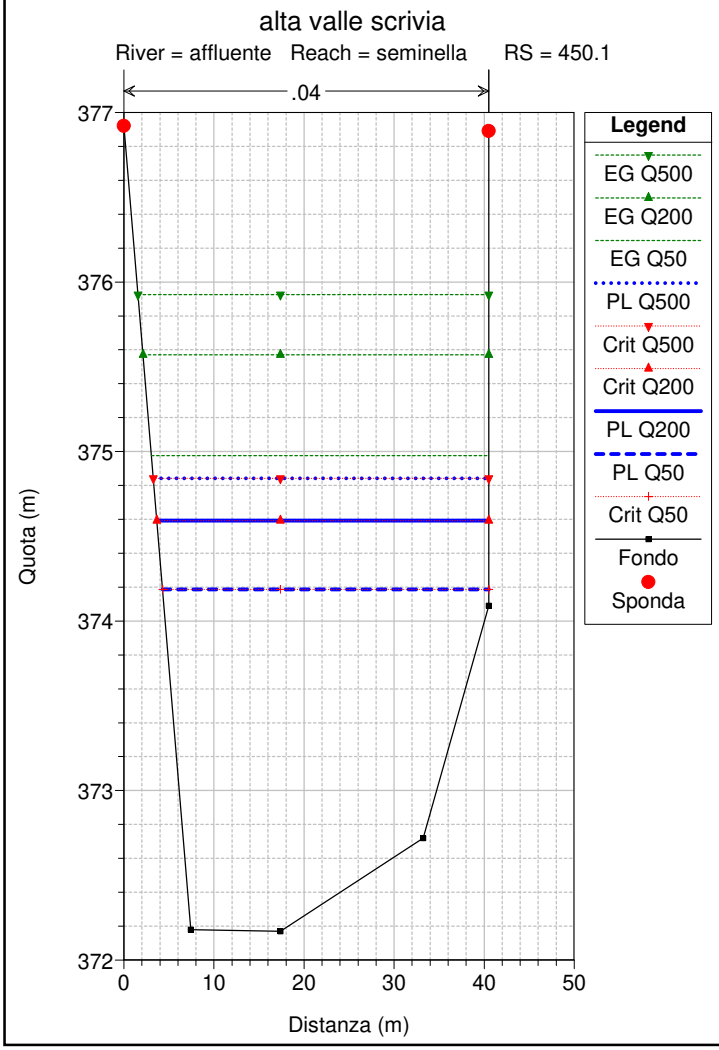

alta valle scrivia
River = affluente Reach = seminella RS = 490
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)

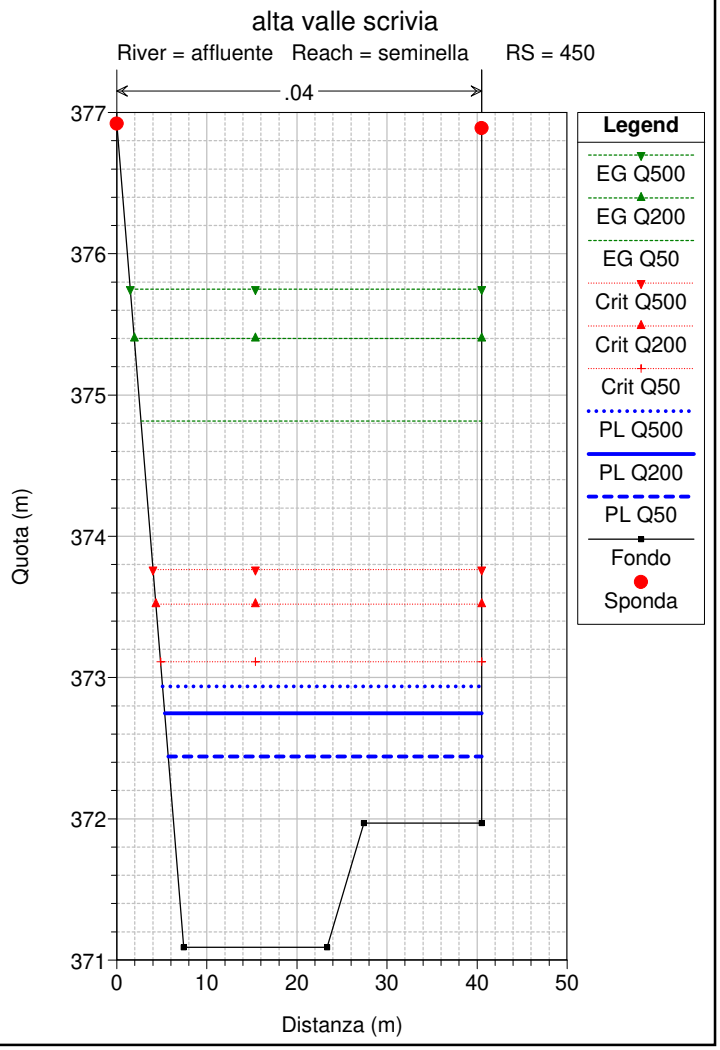

alta valle scrivia
River = affluente Reach = seminella RS = 480
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)

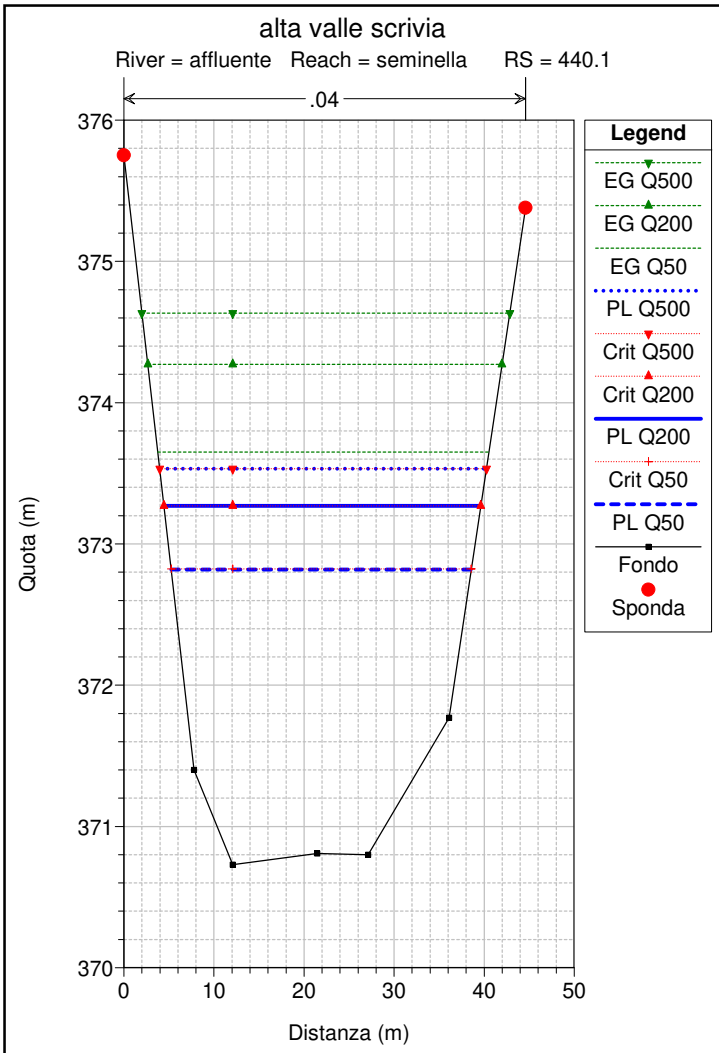

alta valle scrivia
River = affluente Reach = seminella RS = 470
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

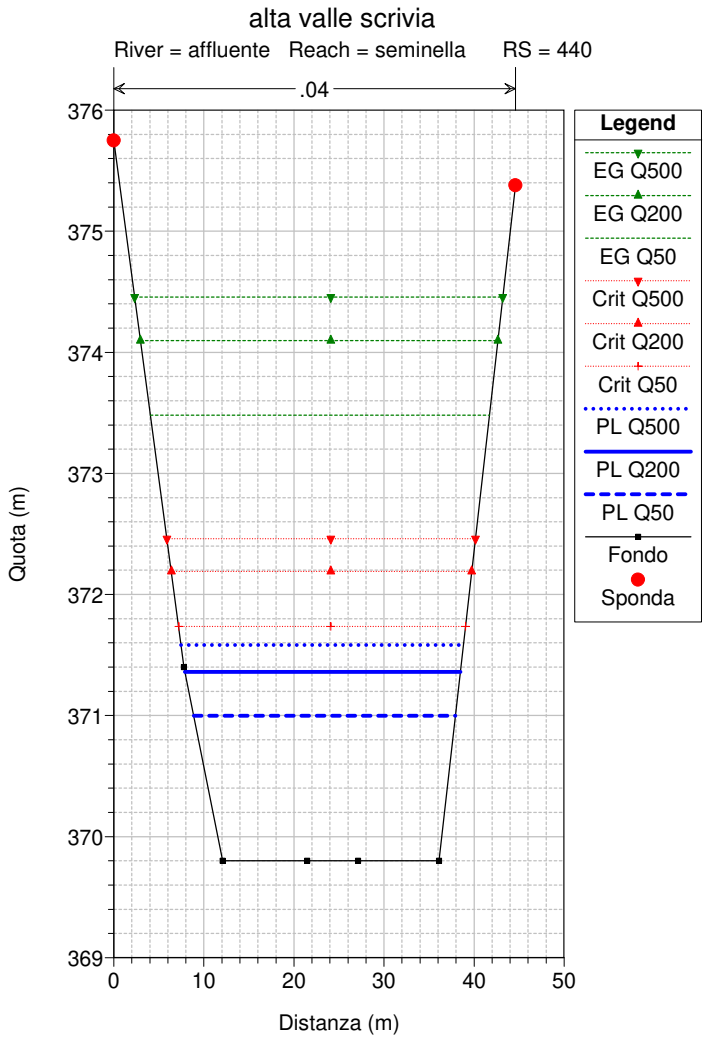

alta valle scrivia
River = affluente Reach = seminella RS = 460.1
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

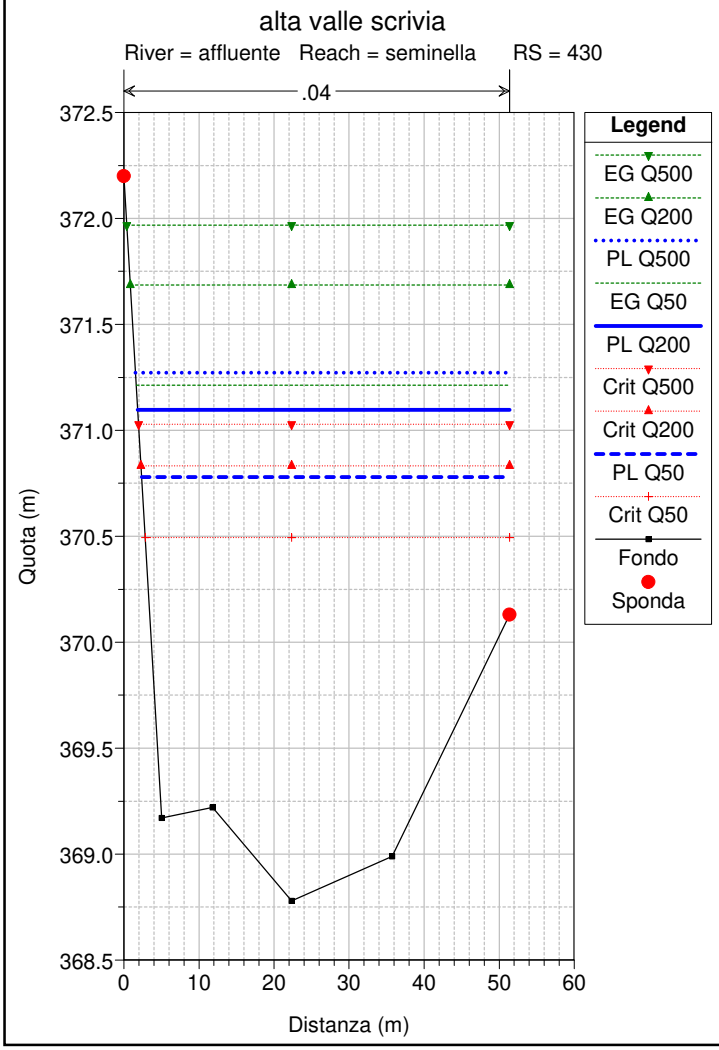

alta valle scrivia
River = affluente Reach = seminella RS = 460
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)

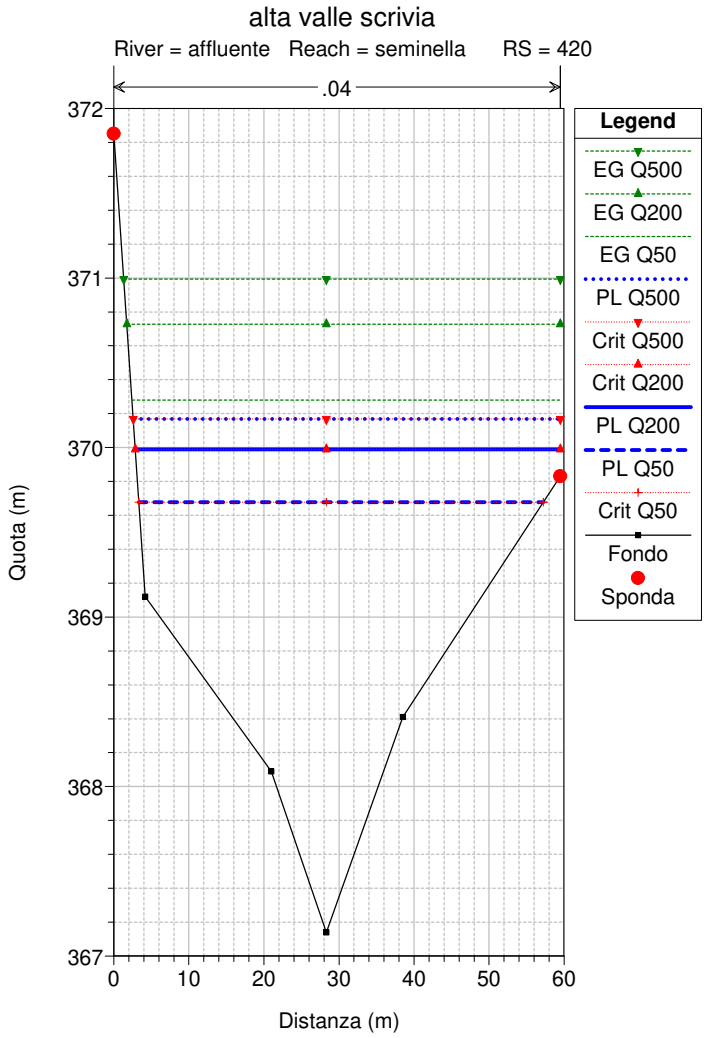

alta valle scrivia
River = affluente Reach = seminella RS = 450.1
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

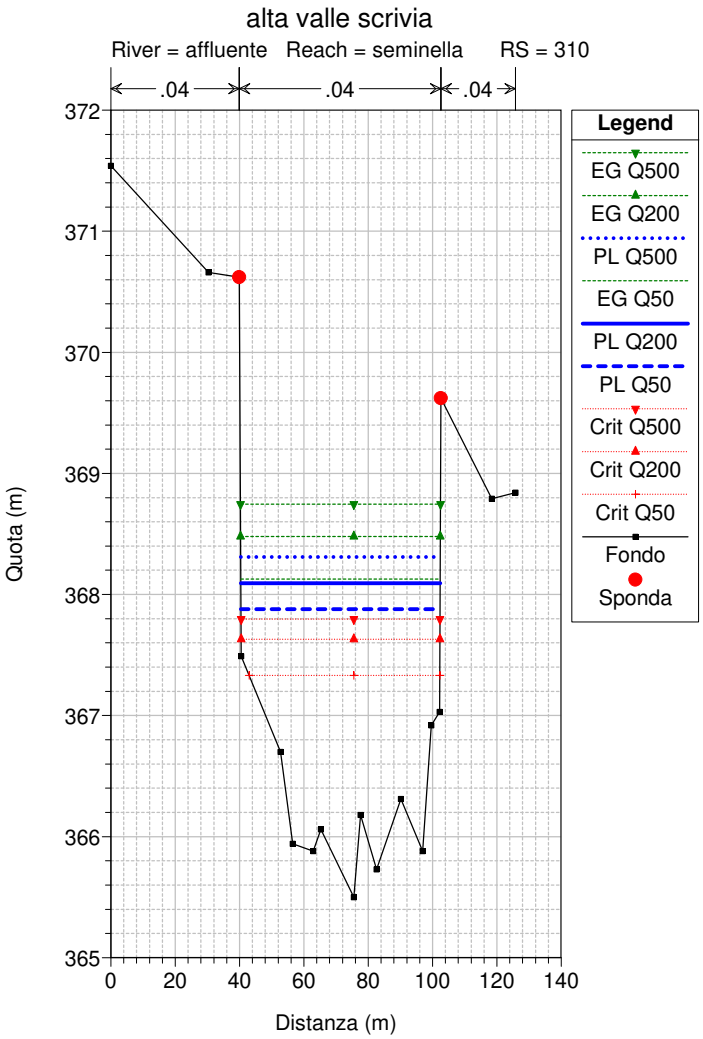

alta valle scrivia
River = affluente Reach = seminella RS = 450
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)

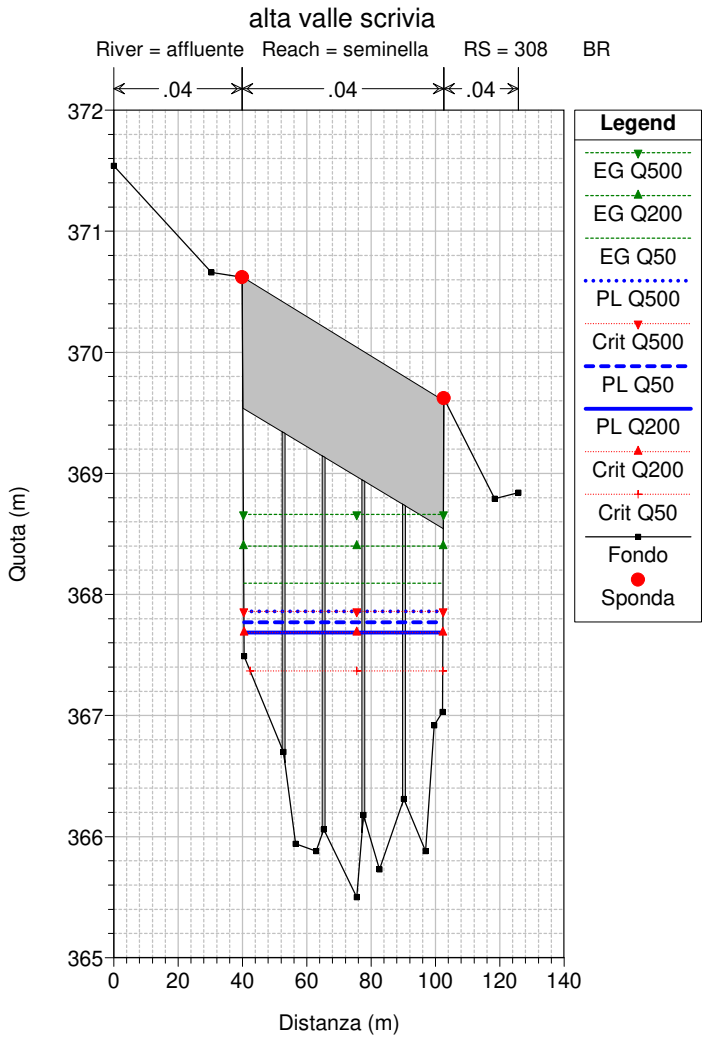

alta valle scrivia
River = affluente Reach = seminella RS = 440.1
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)

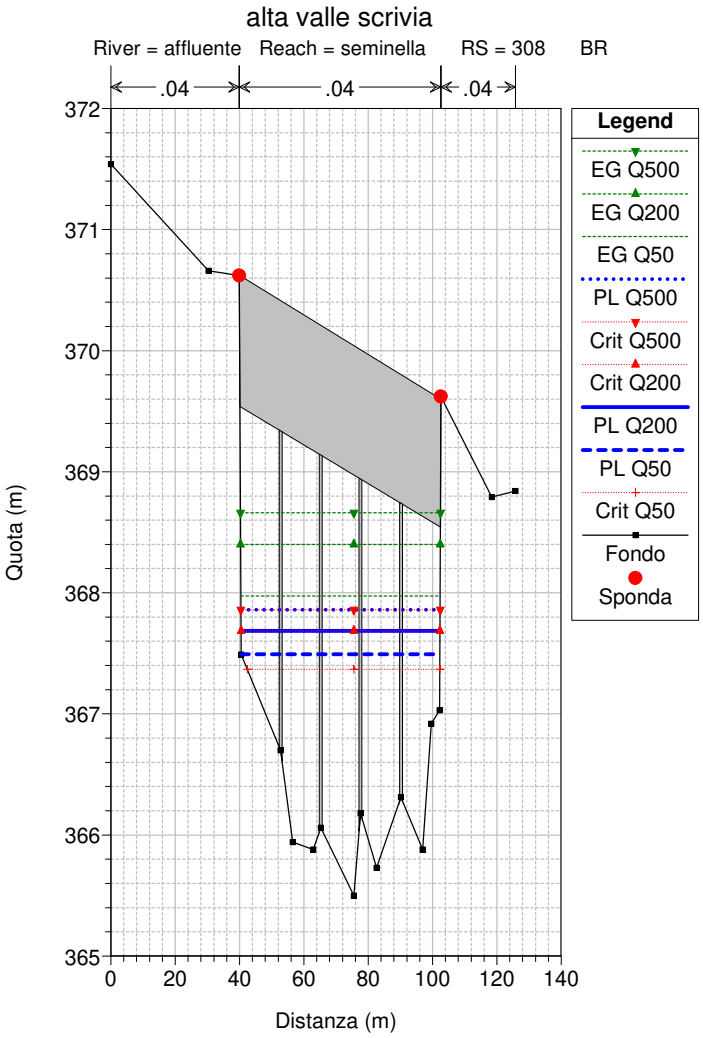

alta valle scrivia
River = affluente Reach = seminella RS = 440
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)

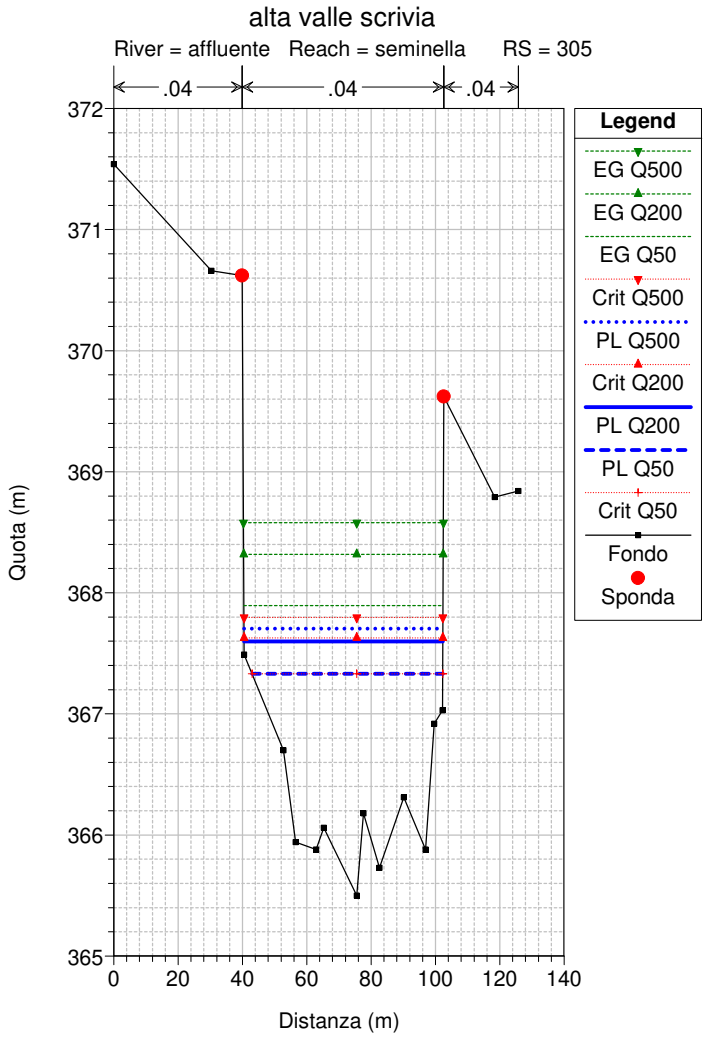

alta valle scrivia
River = affluente Reach = seminella RS = 430
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

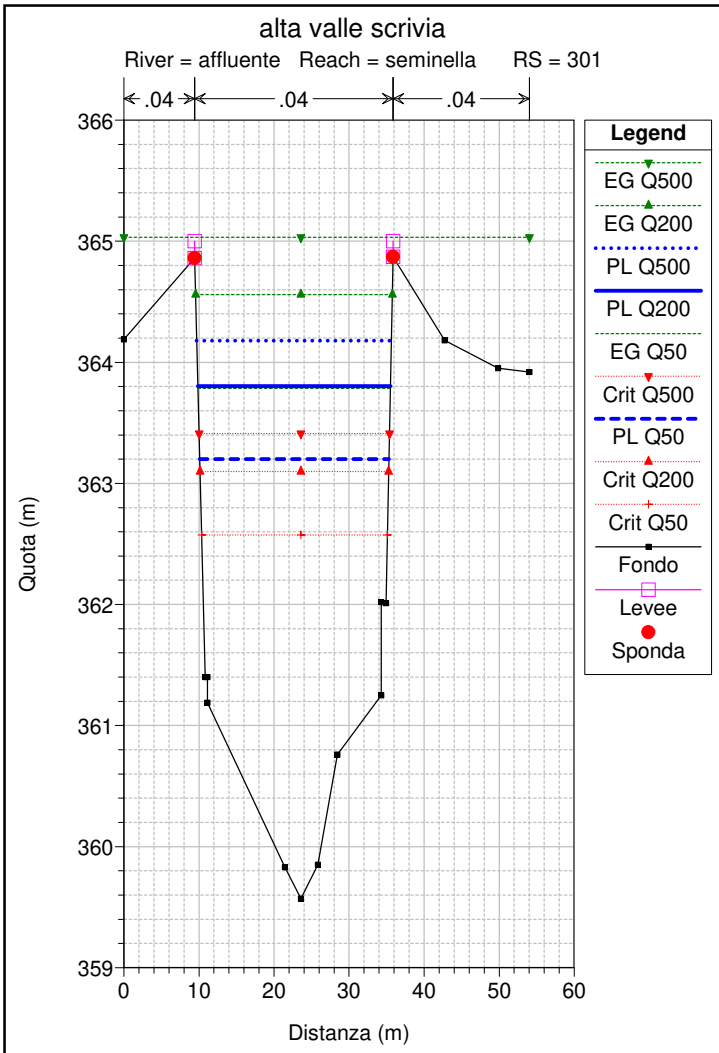

alta valle scrivia
River = affluente Reach = seminella RS = 420
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

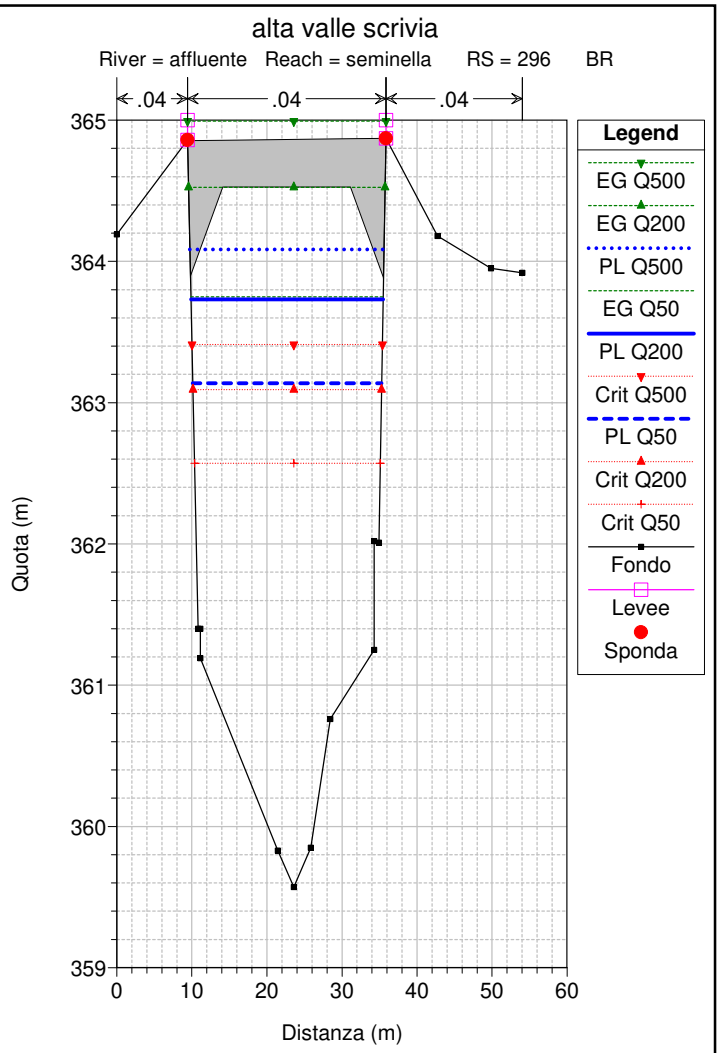

alta valle scrivia
River = affluente Reach = seminella RS = 310
.04 .04 .04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

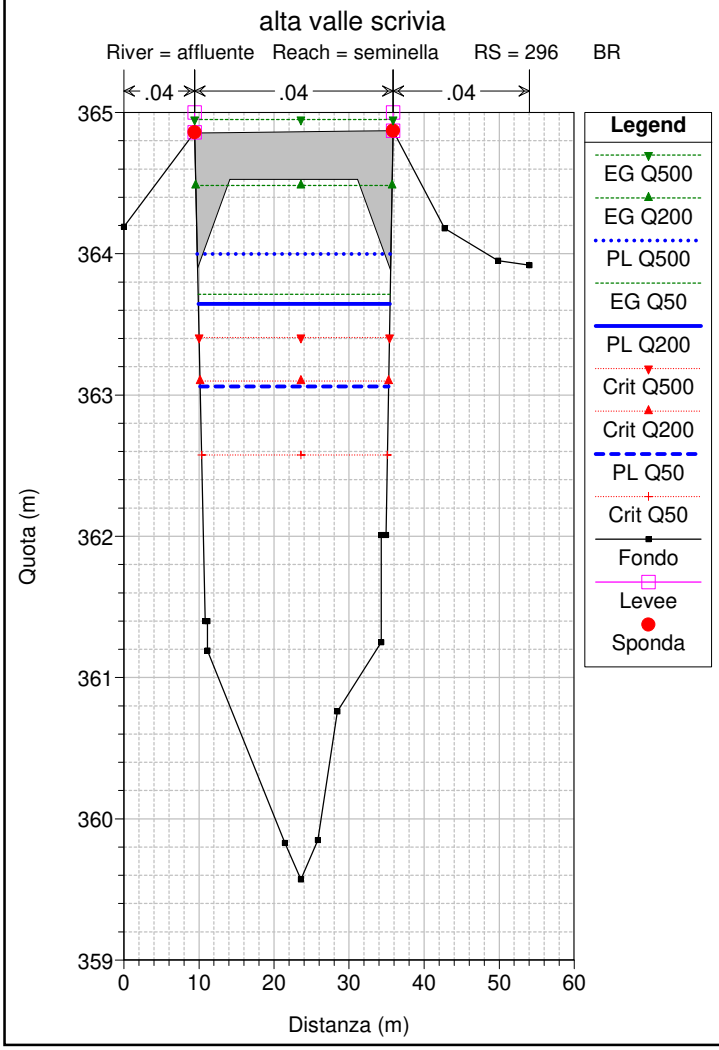

alta valle scrivia
River = affluente Reach = seminella RS = 308 BR
.04 .04 .04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q50
PL Q200
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

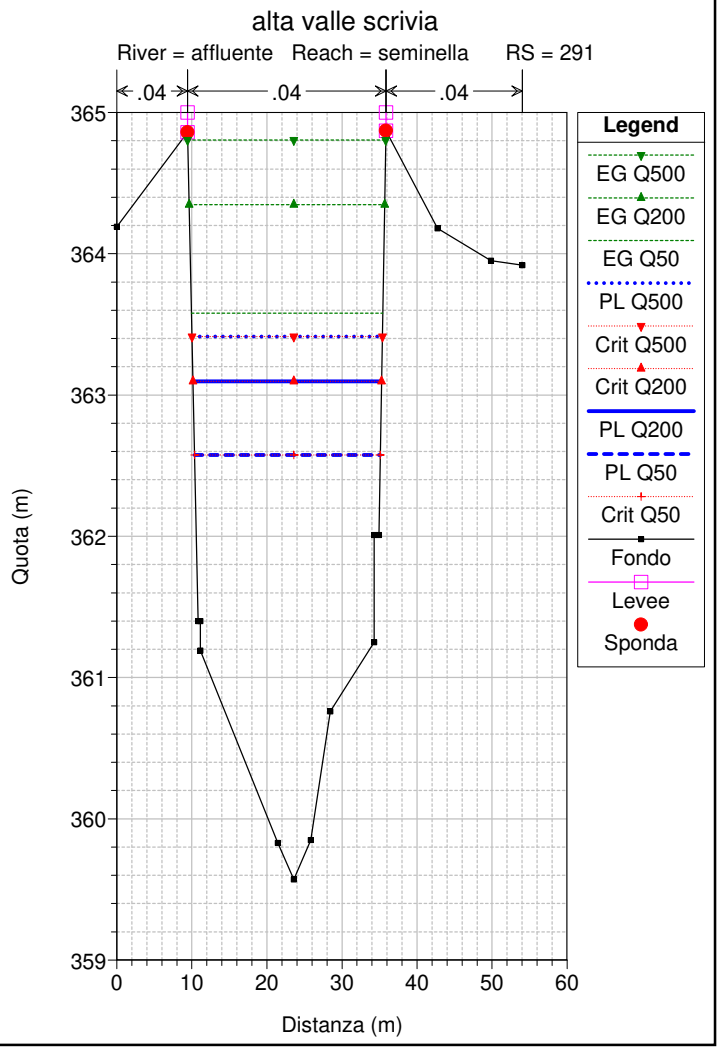

alta valle scrivia
River = affluente Reach = seminella RS = 308 BR
.04 .04 .04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

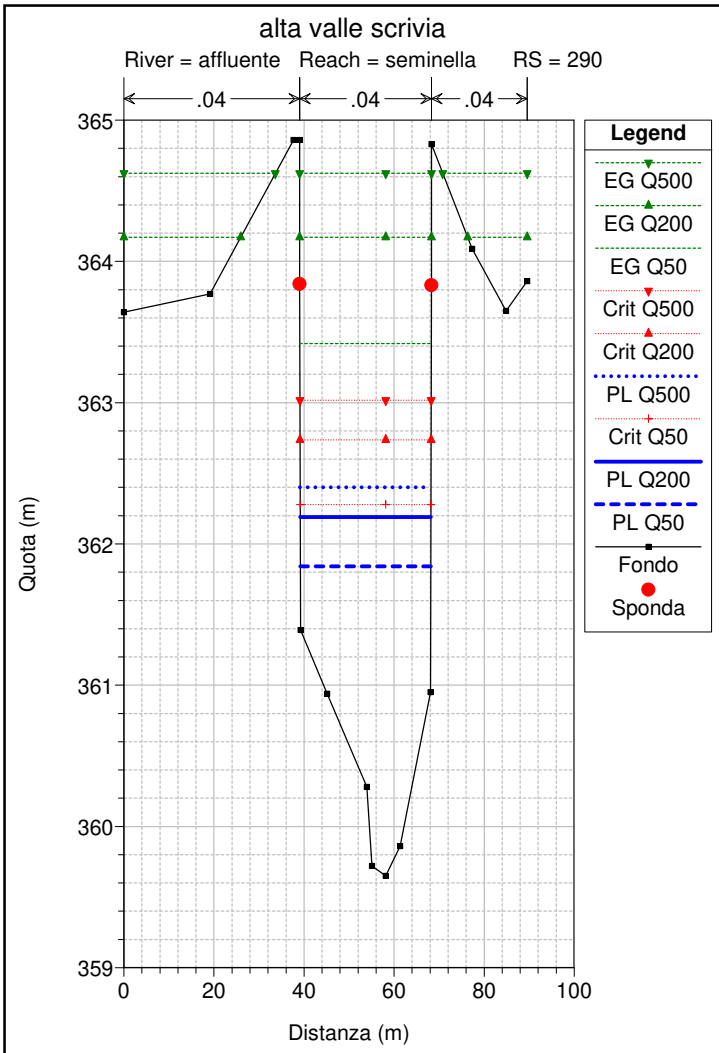

alta valle scrivia
River = affluente Reach = seminella RS = 305
.04 .04 .04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

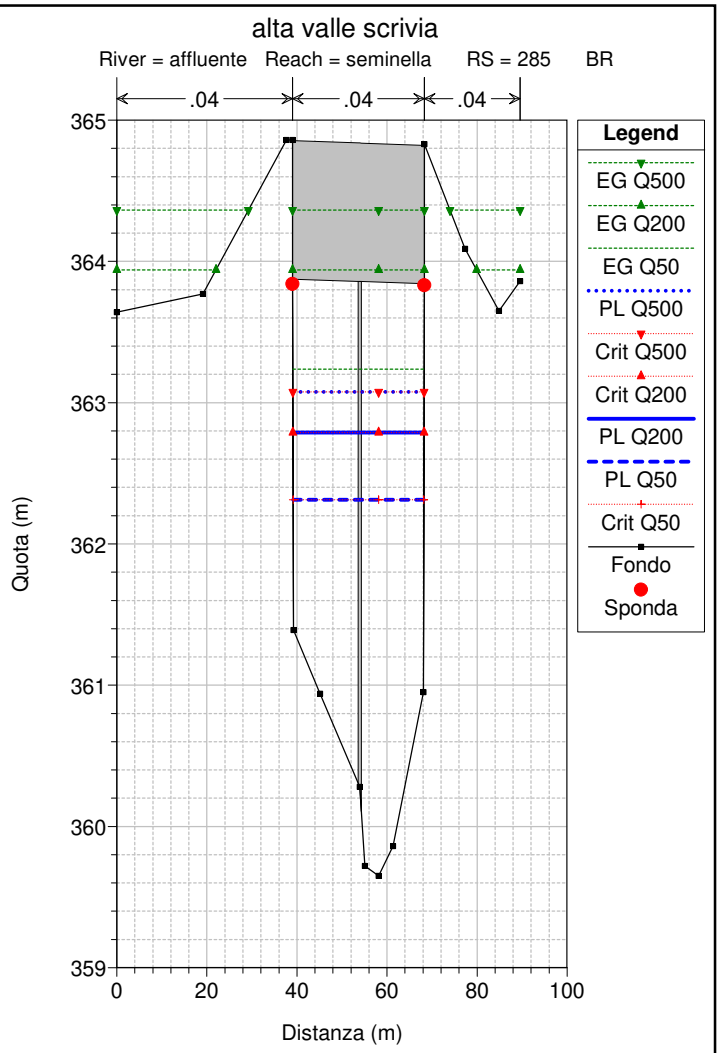

alta valle scrivia
River = affluente Reach = seminella RS = 301
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Levee
Sponda

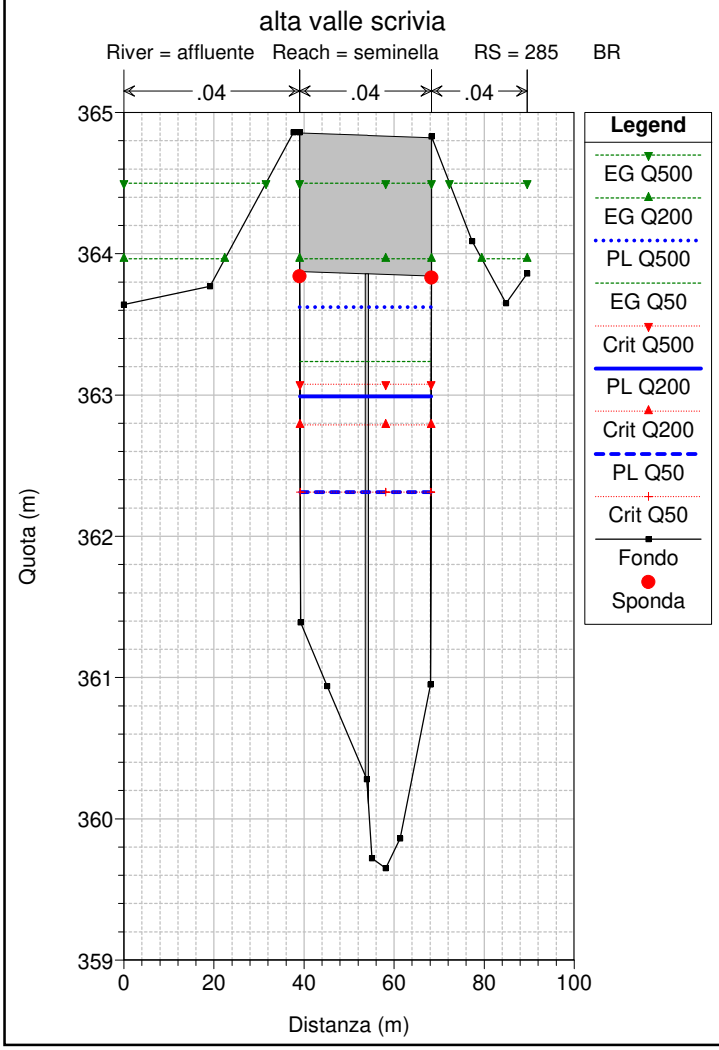

alta valle scrivia
River = affluente Reach = seminella RS = 296 BR
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Levee
Sponda

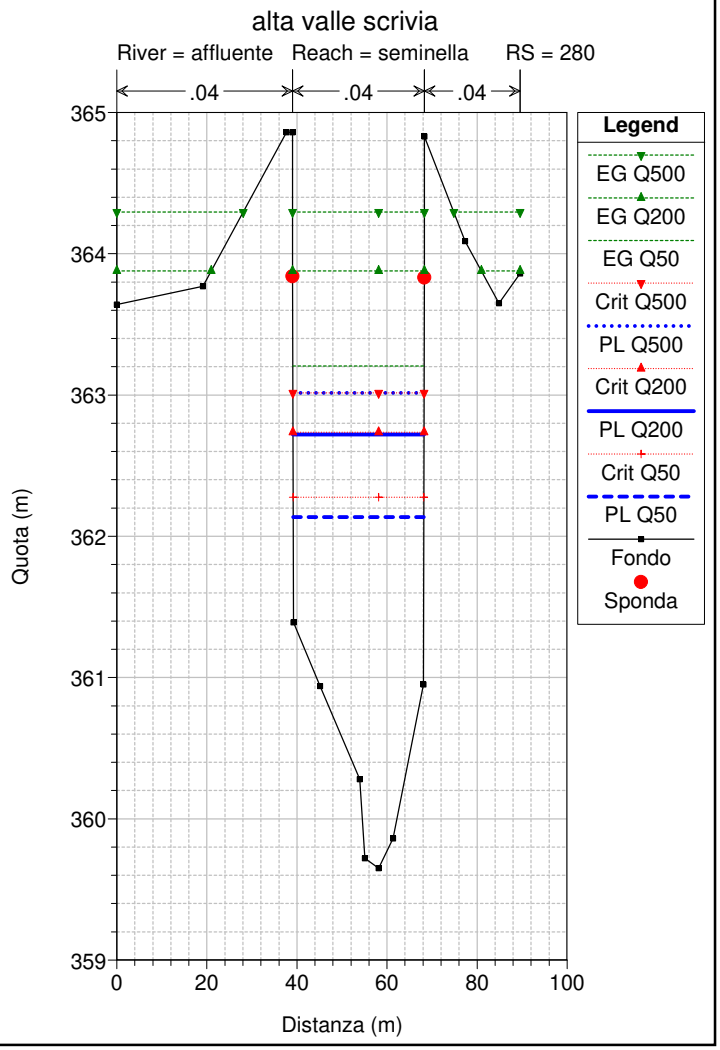

alta valle scrivia
River = affluente Reach = seminella RS = 296 BR
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Levee
Sponda

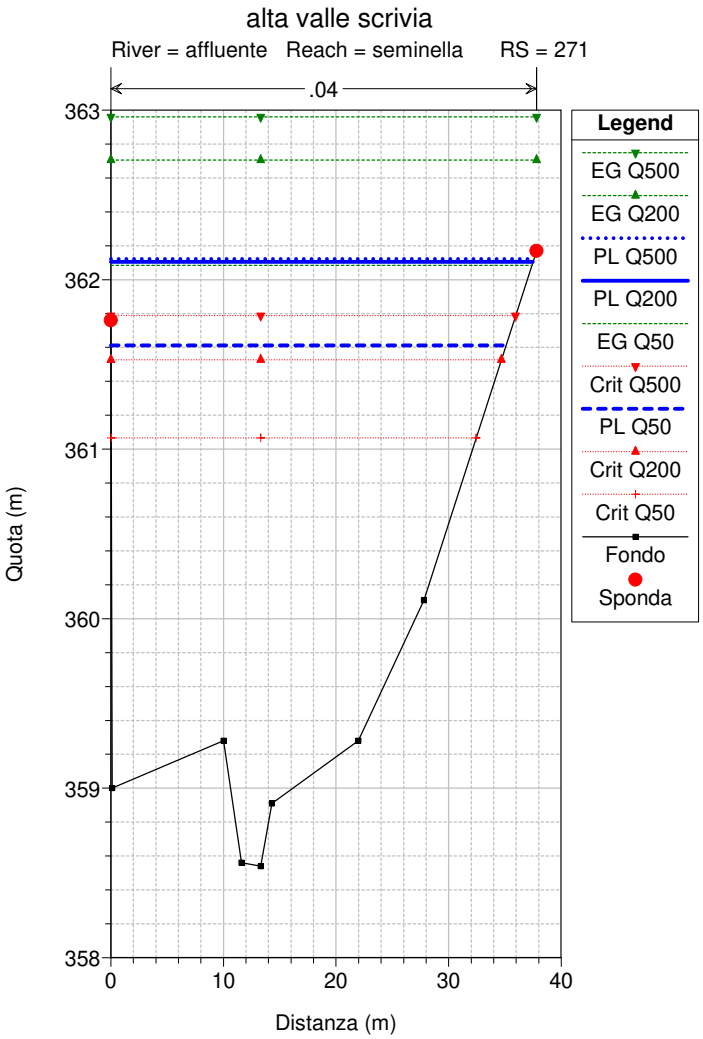

alta valle scrivia
River = affluente Reach = seminella RS = 291
.04
.04
.04
Quota (m)
Distanza (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Levee
Sponda

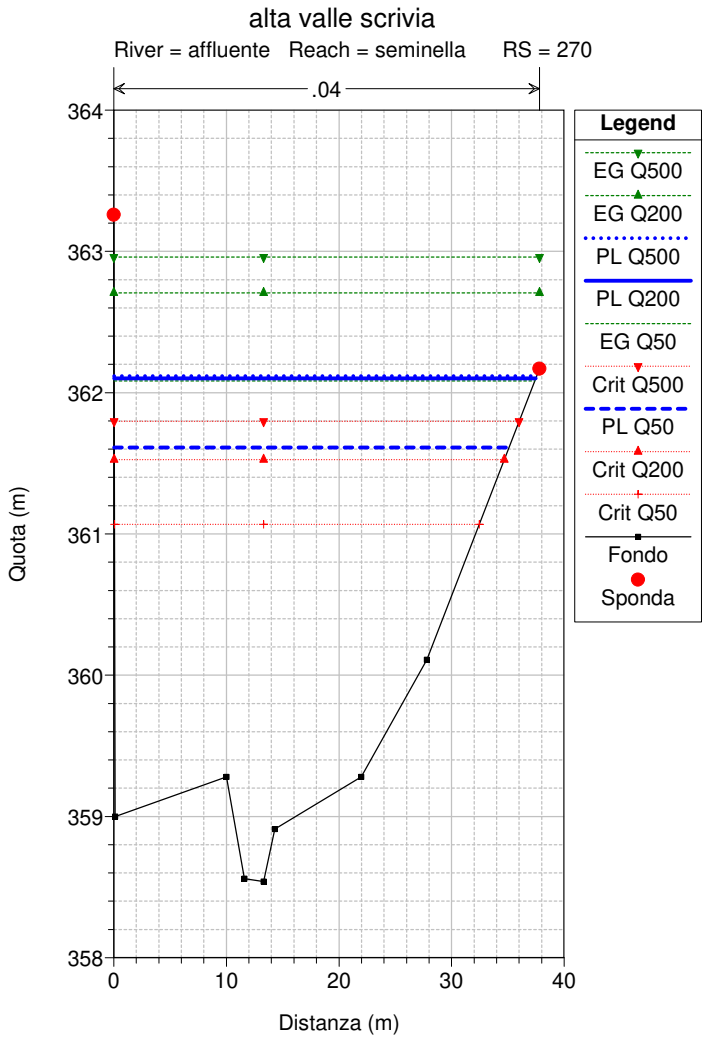

alta valle scrivia
River = affluente
Reach = seminella
RS = 290
.04
.04
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)
365
364
363
362
361
360
359
0
20
40
60
80
100

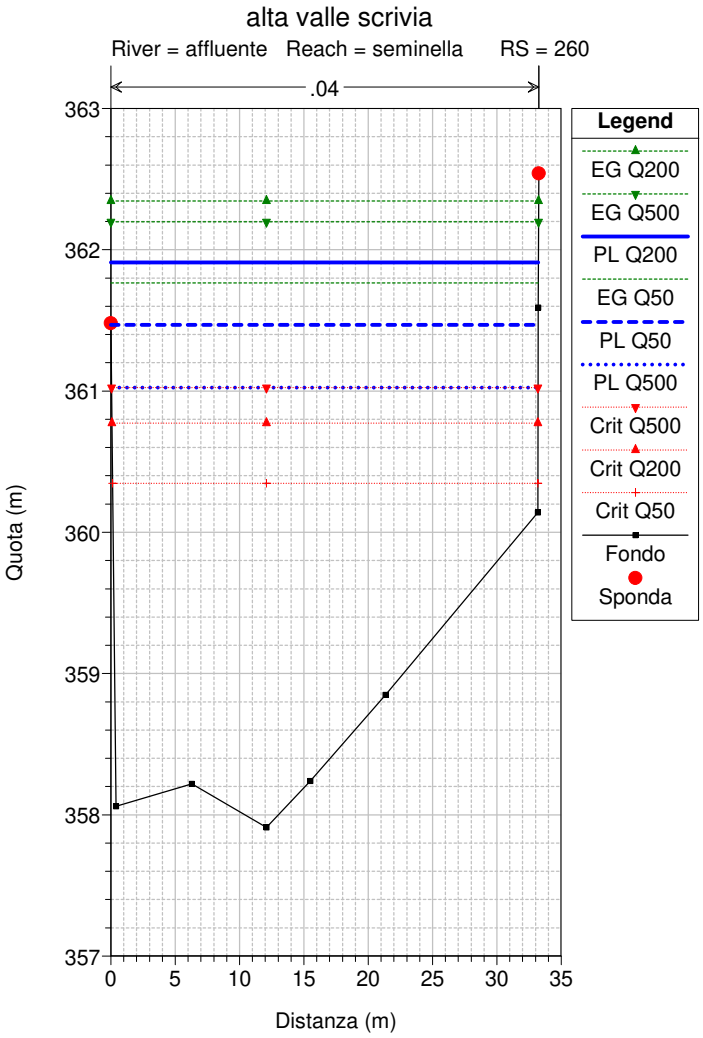

alta valle scrivia
River = affluente
Reach = seminella
RS = 285
BR
.04
.04
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)
365
364
363
362
361
360
359
0
20
40
60
80
100


alta valle scrivia
River = affluente
Reach = seminella
RS = 285
BR
.04
.04
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)
365
364
363
362
361
360
359
0
20
40
60
80
100


alta valle scrivia
River = affluente
Reach = seminella
RS = 280
.04
.04
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Sponda
Quota (m)
Distanza (m)
365
364
363
362
361
360
359
0
20
40
60
80
100


alta valle scrivia
River = affluente Reach = seminella RS = 271
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)


alta valle scrivia
River = affluente Reach = seminella RS = 270
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)


alta valle scrivia
River = affluente Reach = seminella RS = 260
.04
Legend
EG Q200
EG Q500
PL Q200
EG Q50
PL Q50
PL Q500
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
Quota (m)
Distanza (m)

HEC-RAS Plan: 06_ott20 River: affluente Reach: seminella

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
seminella	620	Q50	222.00	382.08	385.42	388.13	2.70	387.11	1.69	385.42	386.82	0.015365	5.22	42.51	15.41	1.00
seminella	620	Q200	312.00	382.08	386.38	388.13	1.75	387.11	0.73	386.14	387.89	0.012738	5.45	57.27	15.55	0.91
seminella	620	Q500	371.00	382.08	387.31	388.13	0.82	387.11	-0.20	386.56	388.67	0.009571	5.17	71.76	15.83	0.78
seminella	610	Q50	222.00	381.90	385.71	387.92	2.21	387.07	1.36	384.96	386.52	0.007344	3.98	55.80	16.61	0.69
seminella	610	Q200	312.00	381.90	386.68	387.92	1.24	387.07	0.39	385.64	387.64	0.006930	4.33	72.05	16.74	0.67
seminella	610	Q500	371.00	381.90	387.53	387.92	0.39	387.07	-0.46	386.04	388.47	0.005906	4.29	86.40	16.94	0.61
seminella	605	Q50	222.00	381.85	385.70	387.92	2.22	387.07	1.37	384.92	386.49	0.007108	3.93	56.42	16.61	0.68
seminella	605	Q200	312.00	381.85	386.67	387.92	1.25	387.07	0.40	385.59	387.61	0.006760	4.29	72.67	16.74	0.66
seminella	605	Q500	371.00	381.85	387.53	387.92	0.39	387.07	-0.46	386.00	388.45	0.005783	4.26	87.05	16.94	0.60
seminella	600		Bridge													
seminella	595	Q50	222.00	381.72	385.47	387.92	2.45	387.07	1.60	384.78	386.29	0.007628	4.02	55.25	16.87	0.71
seminella	595	Q200	312.00	381.72	386.16	387.92	1.76	387.07	0.91	385.45	387.27	0.008600	4.66	66.99	16.98	0.75
seminella	595	Q500	371.00	381.72	386.55	387.92	1.37	387.07	0.52	385.85	387.84	0.009256	5.04	73.66	17.05	0.77
seminella	590	Q50	222.00	381.76	385.19	386.96	1.77	387.14	1.95	384.93	386.24	0.010751	4.53	49.01	17.83	0.87
seminella	590	Q200	312.00	381.76	386.03	386.96	0.93	387.14	1.11	385.61	387.23	0.009769	4.85	64.28	18.91	0.84
seminella	590	Q500	371.00	381.76	386.53	386.96	0.43	387.14	0.61	386.01	387.81	0.009282	5.01	74.00	19.56	0.82
seminella	580	Q50	222.00	381.56	385.26	386.40	1.14	386.88	1.62	384.76	386.16	0.008490	4.19	53.01	17.87	0.78
seminella	580	Q200	312.00	381.56	386.08	386.40	0.32	386.88	0.80	385.45	387.15	0.008252	4.58	68.10	18.98	0.77
seminella	580	Q500	371.00	381.56	386.58	386.40	-0.18	386.88	0.30	385.86	387.74	0.008019	4.77	77.71	19.43	0.76
seminella	570	Q50	222.00	381.12	385.04	385.30	0.26	386.55	1.51	384.44	385.90	0.007581	4.10	54.15	17.44	0.74
seminella	570	Q200	312.00	381.12	385.82	385.30	-0.52	386.55	0.73	385.14	386.90	0.007825	4.60	67.83	17.79	0.75
seminella	570	Q500	371.00	381.12	386.27	385.30	-0.97	386.55	0.28	385.54	387.49	0.008010	4.89	75.93	17.83	0.76
seminella	560 SEM-19	Q50	222.00	380.94	384.28	384.94	0.66	385.84	1.56	384.28	385.59	0.014564	5.08	43.74	16.73	1.00
seminella	560 SEM-19	Q200	312.00	380.94	384.97	384.94	-0.03	385.84	0.87	384.97	386.57	0.014477	5.61	55.64	17.60	1.01
seminella	560 SEM-19	Q500	371.00	380.94	385.37	384.94	-0.43	385.84	0.47	385.37	387.16	0.014469	5.92	62.64	17.60	1.00
seminella	550 SEM-18	Q50	222.00	380.54	383.40	383.74	0.35	383.44	0.04	383.50	384.69	0.016736	5.03	44.11	19.55	1.07
seminella	550 SEM-18	Q200	312.00	380.54	383.84	383.74	-0.10	383.44	-0.40	384.12	385.60	0.019382	5.88	53.05	20.36	1.16
seminella	550 SEM-18	Q500	371.00	380.54	384.15	383.74	-0.41	383.44	-0.71	384.48	386.14	0.019456	6.25	59.40	20.36	1.17
seminella	540 SEM-17	Q50	222.00	380.24	382.81	383.54	0.73	383.44	0.63	383.01	384.10	0.018741	5.04	44.07	22.86	1.16
seminella	540 SEM-17	Q200	312.00	380.24	383.12	383.54	0.42	383.44	0.32	383.58	385.00	0.023346	6.07	51.41	23.46	1.31
seminella	540 SEM-17	Q500	371.00	380.24	383.34	383.54	0.20	383.44	0.10	383.89	385.54	0.025073	6.58	56.40	23.86	1.37
seminella	530 SEM-17	Q50	222.00	380.24	382.51	383.54	1.03	383.44	0.93	382.92	384.04	0.027816	5.49	40.47	26.01	1.40
seminella	530 SEM-17	Q200	312.00	380.24	382.80	383.54	0.74	383.44	0.64	383.43	384.93	0.032517	6.48	48.18	27.02	1.55
seminella	530 SEM-17	Q500	371.00	380.24	382.98	383.54	0.56	383.44	0.46	383.72	385.47	0.034483	6.99	53.06	27.64	1.61
seminella	520 SEM-16	Q50	222.00	379.94	382.10	383.54	1.44	383.84	1.74	382.47	383.52	0.027670	5.26	42.17	28.43	1.38
seminella	520 SEM-16	Q200	312.00	379.94	382.41	383.54	1.13	383.84	1.43	382.95	384.32	0.030079	6.11	51.06	29.08	1.47
seminella	520 SEM-16	Q500	371.00	379.94	382.59	383.54	0.95	383.84	1.25	383.23	384.81	0.031511	6.60	56.25	29.46	1.52
seminella	510.1 SEM-15	Q50	222.00	380.04	382.03	383.37	1.34	383.60	1.57	382.04	382.92	0.013893	4.17	53.19	30.25	1.01
seminella	510.1 SEM-15	Q200	312.00	380.04	382.51	383.37	0.86	383.60	1.09	382.51	383.58	0.013160	4.59	67.96	31.94	1.01

HEC-RAS Plan: 06_ott20 River: affluente Reach: seminella (Continued)

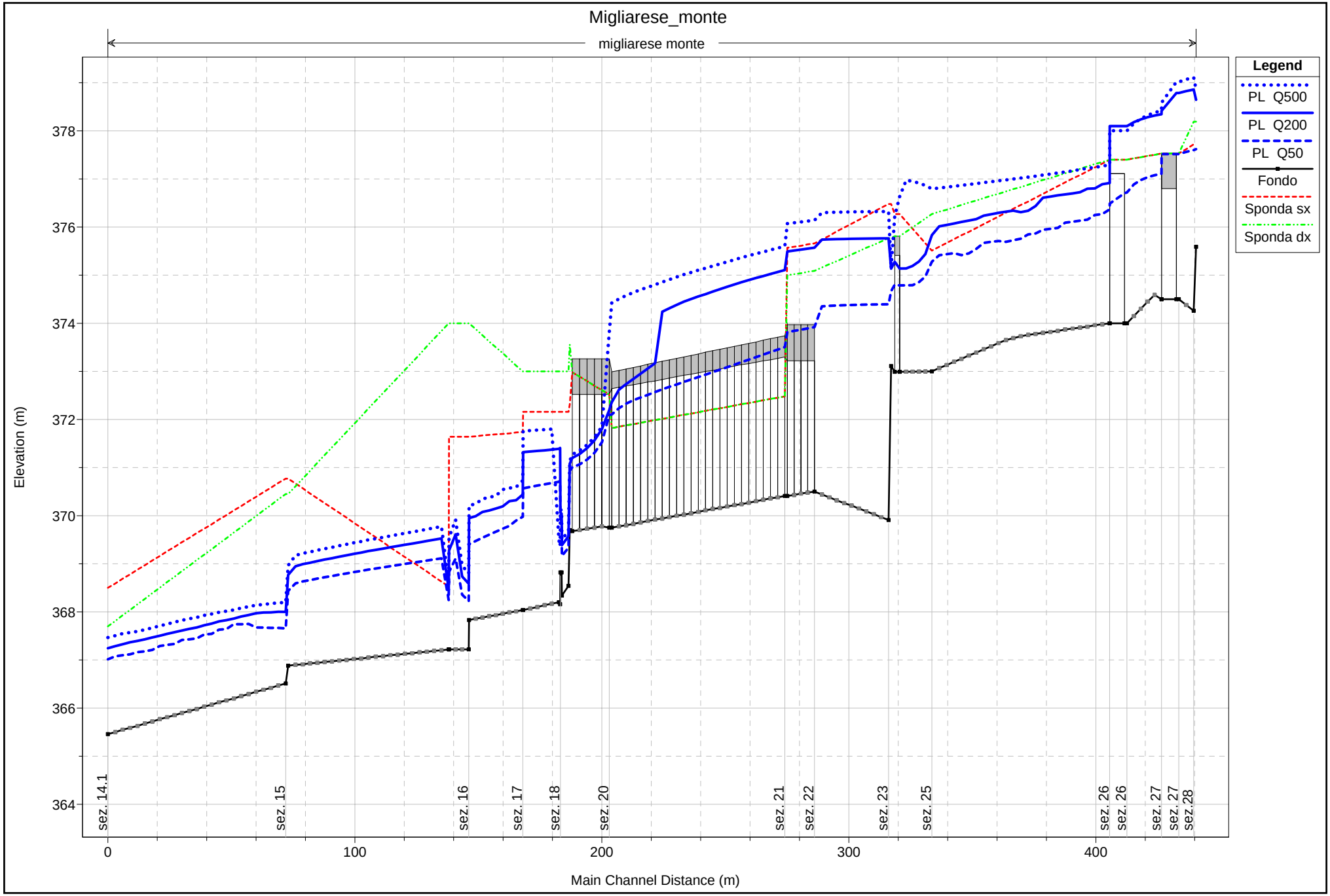
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
seminella	510.1 SEM-15	Q500	371.00	380.04	382.80	383.37	0.57	383.60	0.80	382.80	383.97	0.012682	4.80	77.34	32.97	1.00
seminella	510 SEM-15	Q50	222.00	377.97	379.35	383.37	4.02	383.60	4.25	380.30	382.67	0.087598	8.07	27.52	23.21	2.37
seminella	510 SEM-15	Q200	312.00	377.97	379.77	383.37	3.60	383.60	3.83	380.83	383.33	0.067733	8.36	37.33	24.35	2.16
seminella	510 SEM-15	Q500	371.00	377.97	380.02	383.37	3.35	383.60	3.58	381.14	383.72	0.060066	8.52	43.57	25.10	2.06
seminella	500 SEM-14	Q50	222.00	376.59	379.89	382.67	2.78	382.11	2.22	379.89	380.93	0.014214	4.51	49.20	23.76	1.00
seminella	500 SEM-14	Q200	312.00	376.59	380.42	382.67	2.25	382.11	1.69	380.42	381.71	0.014050	5.04	61.90	24.30	1.01
seminella	500 SEM-14	Q500	371.00	376.59	380.74	382.67	1.93	382.11	1.37	380.74	382.18	0.013801	5.32	69.68	24.30	1.00
seminella	490 SEM-13	Q50	222.00	375.97	378.50	381.70	3.20	378.31	-0.19	378.83	379.87	0.023895	5.19	42.75	25.64	1.28
seminella	490 SEM-13	Q200	312.00	375.97	378.91	381.70	2.79	378.31	-0.60	379.32	380.63	0.025136	5.81	53.68	27.99	1.34
seminella	490 SEM-13	Q500	371.00	375.97	379.12	381.70	2.58	378.31	-0.81	379.59	381.09	0.025785	6.22	59.64	28.30	1.37
seminella	480 SEM-12	Q50	222.00	375.12	377.83	380.13	2.30	378.31	0.49	377.83	378.76	0.014470	4.28	51.86	28.27	1.01
seminella	480 SEM-12	Q200	312.00	375.12	378.29	380.13	1.84	378.31	0.02	378.29	379.46	0.013917	4.79	65.14	28.27	1.01
seminella	480 SEM-12	Q500	371.00	375.12	378.59	380.13	1.55	378.31	-0.27	378.59	379.89	0.013580	5.06	73.34	28.27	1.00
seminella	470 SEM-11	Q50	222.00	373.85	377.26	378.52	1.26	378.76	1.50	376.59	377.74	0.005244	3.09	71.74	29.48	0.63
seminella	470 SEM-11	Q200	312.00	373.85	377.77	378.52	0.75	378.76	0.99	377.06	378.42	0.005752	3.59	86.91	30.02	0.67
seminella	470 SEM-11	Q500	371.00	373.85	378.06	378.52	0.46	378.76	0.70	377.34	378.83	0.006046	3.87	95.81	30.34	0.70
seminella	460.1 SEM-10	Q50	222.00	373.81	375.70	378.11	2.41	377.97	2.27	375.70	376.54	0.014305	4.04	54.89	32.93	1.00
seminella	460.1 SEM-10	Q200	312.00	373.81	376.14	378.11	1.97	377.97	1.83	376.14	377.17	0.013580	4.50	69.39	33.67	1.00
seminella	460.1 SEM-10	Q500	371.00	373.81	376.40	378.11	1.71	377.97	1.57	376.40	377.55	0.013253	4.74	78.21	34.11	1.00
seminella	460 SEM-10	Q50	222.00	372.15	373.11	378.11	5.00	377.97	4.86	373.94	376.30	0.121149	7.91	28.05	31.06	2.66
seminella	460 SEM-10	Q200	312.00	372.15	373.41	378.11	4.70	377.97	4.56	374.38	376.92	0.093011	8.30	37.60	31.42	2.42
seminella	460 SEM-10	Q500	371.00	372.15	373.60	378.11	4.51	377.97	4.37	374.64	377.29	0.081893	8.51	43.60	31.65	2.32
seminella	450.1 SEM-9	Q50	222.00	372.17	374.19	376.92	2.73	376.89	2.70	374.19	374.98	0.014141	3.94	56.40	36.21	1.01
seminella	450.1 SEM-9	Q200	312.00	372.17	374.59	376.92	2.33	376.89	2.30	374.59	375.57	0.013382	4.38	71.21	36.85	1.01
seminella	450.1 SEM-9	Q500	371.00	372.17	374.84	376.92	2.08	376.89	2.05	374.84	375.93	0.012904	4.61	80.47	37.24	1.00
seminella	450 SEM-9	Q50	222.00	371.09	372.44	376.92	4.48	376.89	4.45	373.11	374.82	0.084755	6.83	32.53	34.78	2.25
seminella	450 SEM-9	Q200	312.00	371.09	372.75	376.92	4.17	376.89	4.14	373.52	375.40	0.066687	7.21	43.25	35.18	2.08
seminella	450 SEM-9	Q500	371.00	371.09	372.94	376.92	3.98	376.89	3.95	373.76	375.75	0.059366	7.43	49.96	35.42	2.00
seminella	440.1 SEM-8	Q50	222.00	370.73	372.82	375.75	2.93	375.38	2.56	372.82	373.65	0.013715	4.04	55.01	33.31	1.00
seminella	440.1 SEM-8	Q200	312.00	370.73	373.27	375.75	2.48	375.38	2.11	373.27	374.27	0.012890	4.43	70.39	35.17	1.00
seminella	440.1 SEM-8	Q500	371.00	370.73	373.53	375.75	2.22	375.38	1.85	373.53	374.63	0.012519	4.65	79.84	36.27	1.00
seminella	440 SEM-8	Q50	222.00	369.80	371.00	375.75	4.75	375.38	4.38	371.74	373.48	0.070817	6.98	31.82	29.05	2.13
seminella	440 SEM-8	Q200	312.00	369.80	371.36	375.75	4.39	375.38	4.02	372.19	374.10	0.056916	7.32	42.61	30.57	1.98
seminella	440 SEM-8	Q500	371.00	369.80	371.58	375.75	4.17	375.38	3.80	372.46	374.46	0.050937	7.51	49.42	31.33	1.91
seminella	430 SEM-7	Q50	222.00	368.78	370.78	372.20	1.42	370.13	-0.65	370.49	371.21	0.007816	2.92	76.10	49.03	0.75
seminella	430 SEM-7	Q200	312.00	368.78	371.10	372.20	1.10	370.13	-0.97	370.83	371.69	0.008492	3.40	91.71	49.56	0.80
seminella	430 SEM-7	Q500	371.00	368.78	371.27	372.20	0.93	370.13	-1.14	371.03	371.97	0.008980	3.69	100.47	49.85	0.83
seminella	420 SEM-6	Q50	222.00	367.14	369.68	371.85	2.17	369.83	0.15	369.68	370.28	0.014987	3.44	64.59	53.90	1.00
seminella	420 SEM-6	Q200	312.00	367.14	369.99	371.85	1.86	369.83	-0.16	369.99	370.73	0.014339	3.80	82.03	56.64	1.01

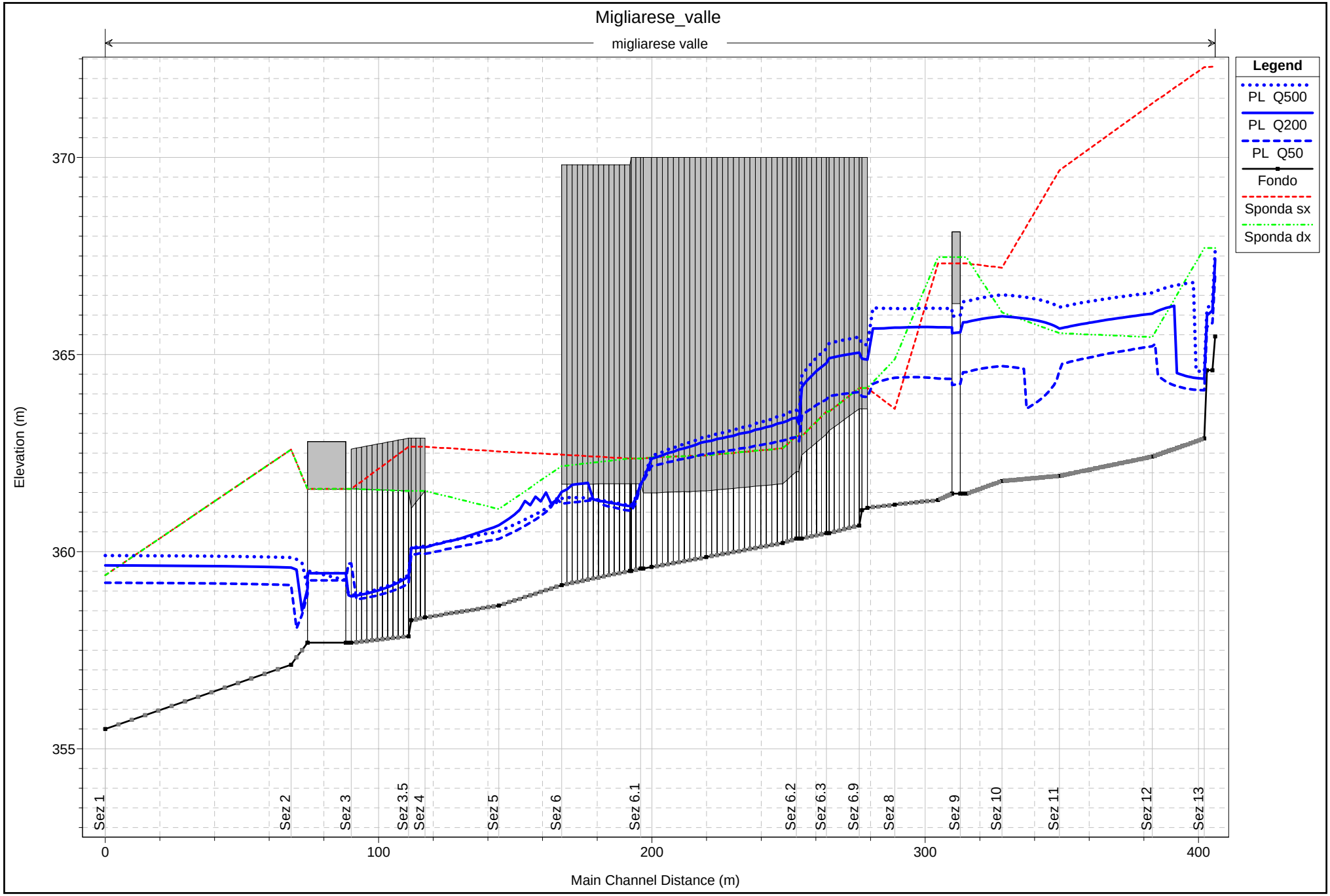
HEC-RAS Plan: 06_ott20 River: affluente Reach: seminella (Continued)

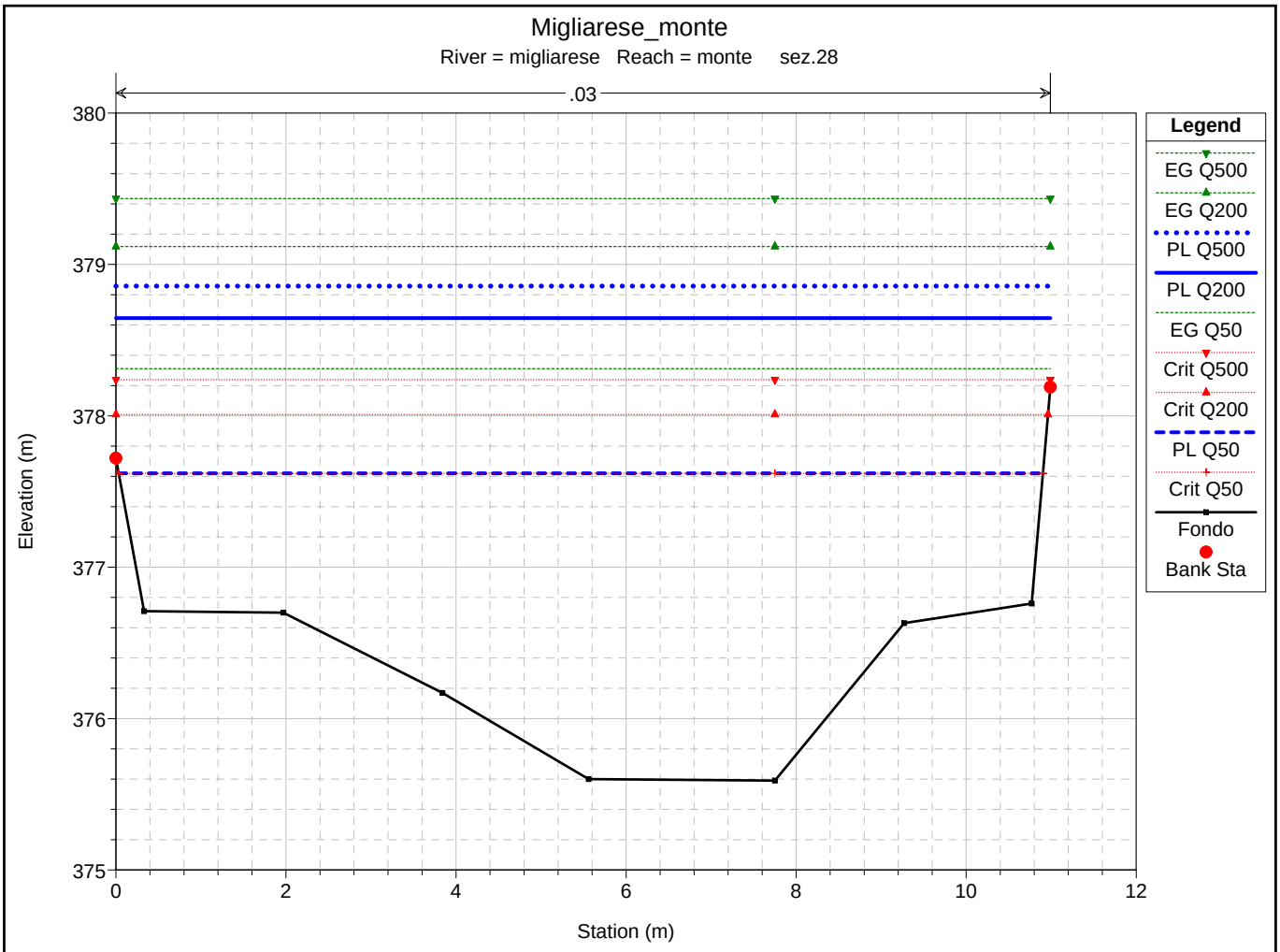
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
seminella	420 SEM-6	Q500	371.00	367.14	370.17	371.85	1.68	369.83	-0.34	370.17	370.99	0.013898	4.02	92.19	56.91	1.01
seminella	310 SEM-5	Q50	222.00	365.50	367.88	370.62	2.74	369.62	1.74	367.33	368.13	0.004247	2.21	100.36	61.90	0.55
seminella	310 SEM-5	Q200	312.00	365.50	368.09	370.62	2.53	369.62	1.53	367.63	368.48	0.005588	2.74	113.68	61.98	0.65
seminella	310 SEM-5	Q500	371.00	365.50	368.31	370.62	2.31	369.62	1.31	367.80	368.74	0.005492	2.92	127.14	62.05	0.65
seminella	308 SEM-5	Bridge														
seminella	305 SEM-5	Q50	222.00	365.50	367.33	370.62	3.29	369.62	2.29	367.33	367.90	0.015343	3.32	66.78	59.29	1.00
seminella	305 SEM-5	Q200	312.00	365.50	367.60	370.62	3.02	369.62	2.02	367.63	368.32	0.015589	3.76	83.04	61.80	1.04
seminella	305 SEM-5	Q500	371.00	365.50	367.70	370.62	2.92	369.62	1.92	367.80	368.58	0.017215	4.14	89.55	61.84	1.10
seminella	301 SEM-4	Q50	222.00	359.57	363.20	364.86	1.66	364.87	1.67	362.57	363.78	0.006026	3.38	65.64	25.21	0.67
seminella	301 SEM-4	Q200	312.00	359.57	363.80	364.86	1.06	364.87	1.07	363.10	364.56	0.006282	3.86	80.92	25.65	0.69
seminella	301 SEM-4	Q500	371.00	359.57	364.18	364.86	0.68	364.87	0.69	363.41	365.03	0.006311	4.09	90.62	25.94	0.70
seminella	296 SEM-4	Bridge														
seminella	291 SEM-4	Q50	222.00	359.57	362.58	364.86	2.28	364.87	2.29	362.58	363.58	0.013994	4.44	50.01	24.74	1.00
seminella	291 SEM-4	Q200	312.00	359.57	363.10	364.86	1.76	364.87	1.77	363.10	364.35	0.013479	4.95	63.04	25.13	1.00
seminella	291 SEM-4	Q500	371.00	359.57	363.41	364.86	1.45	364.87	1.46	363.41	364.81	0.013211	5.22	71.03	25.36	1.00
seminella	290 SEM-3	Q50	222.00	359.65	361.84	363.84	2.00	363.83	1.99	362.28	363.42	0.034546	5.56	39.92	28.97	1.51
seminella	290 SEM-3	Q200	312.00	359.65	362.19	363.84	1.65	363.83	1.64	362.74	364.17	0.033071	6.23	50.06	29.02	1.52
seminella	290 SEM-3	Q500	371.00	359.65	362.40	363.84	1.44	363.83	1.43	363.02	364.62	0.032366	6.60	56.20	29.05	1.52
seminella	285 SEM-3	Bridge														
seminella	280 SEM-3	Q50	222.00	359.65	362.14	363.84	1.70	363.83	1.69	362.28	363.21	0.018551	4.58	48.47	29.01	1.13
seminella	280 SEM-3	Q200	312.00	359.65	362.72	363.84	1.12	363.83	1.11	362.74	363.88	0.014125	4.76	65.49	29.10	1.01
seminella	280 SEM-3	Q500	371.00	359.65	363.02	363.84	0.82	363.83	0.81	363.02	364.30	0.013585	5.01	74.05	29.15	1.00
seminella	271 SEM-2	Q50	222.00	358.54	361.61	361.76	0.15	362.17	0.56	361.07	362.08	0.006212	3.04	72.99	35.09	0.67
seminella	271 SEM-2	Q200	312.00	358.54	362.10	361.76	-0.34	362.17	0.07	361.53	362.71	0.006531	3.43	90.84	37.48	0.70
seminella	271 SEM-2	Q500	371.00	358.54	362.12	361.76	-0.36	362.17	0.05	361.79	362.96	0.009042	4.05	91.51	37.57	0.83
seminella	270 SEM-2	Q50	222.00	358.54	361.61	363.26	1.65	362.17	0.56	361.07	362.08	0.006240	3.05	72.88	35.05	0.67
seminella	270 SEM-2	Q200	312.00	358.54	362.10	363.26	1.16	362.17	0.07	361.53	362.71	0.006565	3.44	90.69	37.44	0.71
seminella	270 SEM-2	Q500	371.00	358.54	362.12	363.26	1.14	362.17	0.05	361.80	362.96	0.009119	4.07	91.25	37.52	0.83
seminella	260 SEM-1	Q50	222.00	357.91	361.47	361.48	0.01	362.54	1.07	360.35	361.76	0.002828	2.41	92.05	33.20	0.46
seminella	260 SEM-1	Q200	312.00	357.91	361.91	361.48	-0.43	362.54	0.63	360.77	362.35	0.003518	2.92	106.74	33.22	0.52
seminella	260 SEM-1	Q500	371.00	357.91	361.02	361.48	0.46	362.54	1.52	361.02	362.20	0.013673	4.80	77.34	33.14	1.00

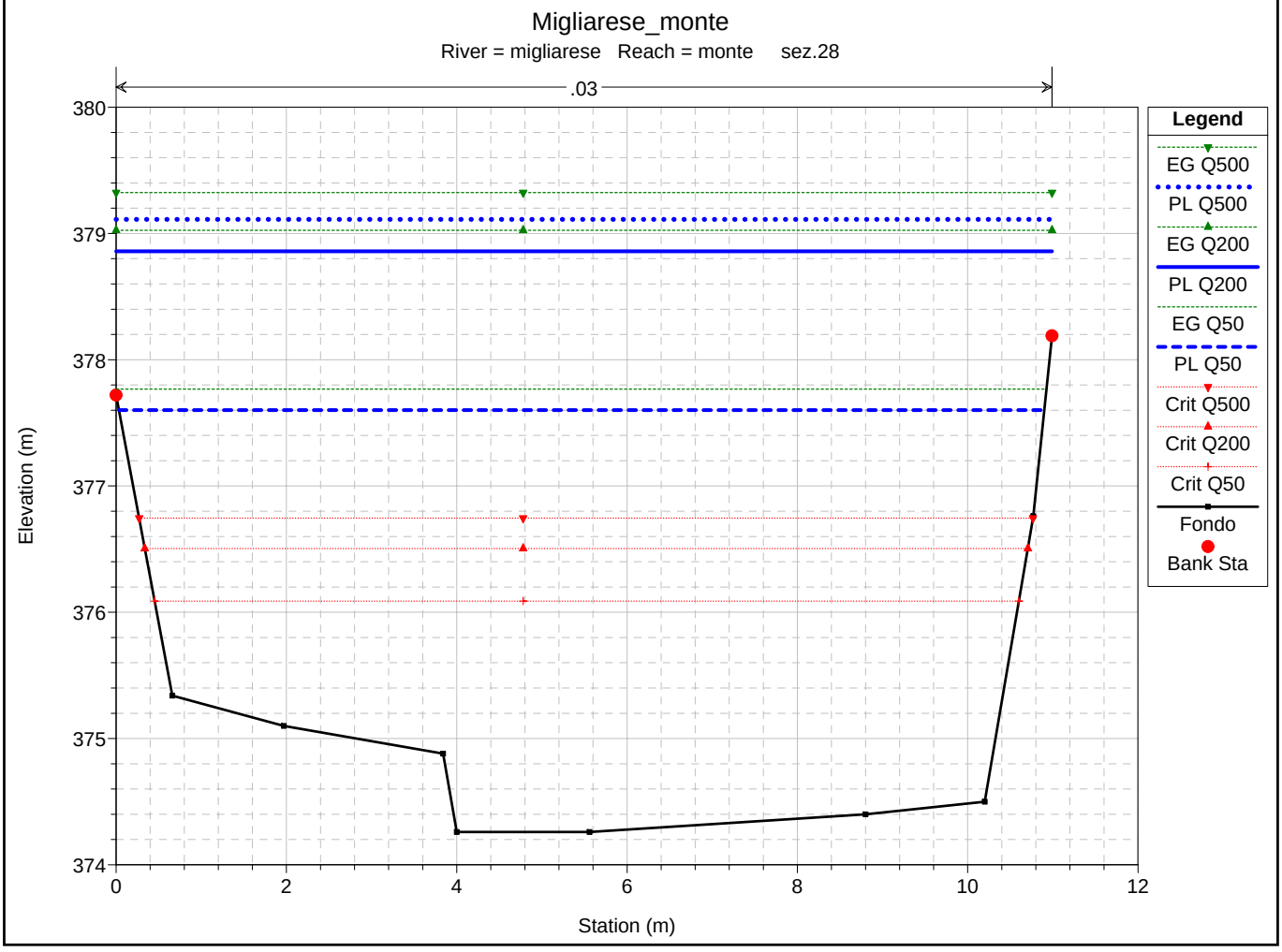
Torrente Migliarese

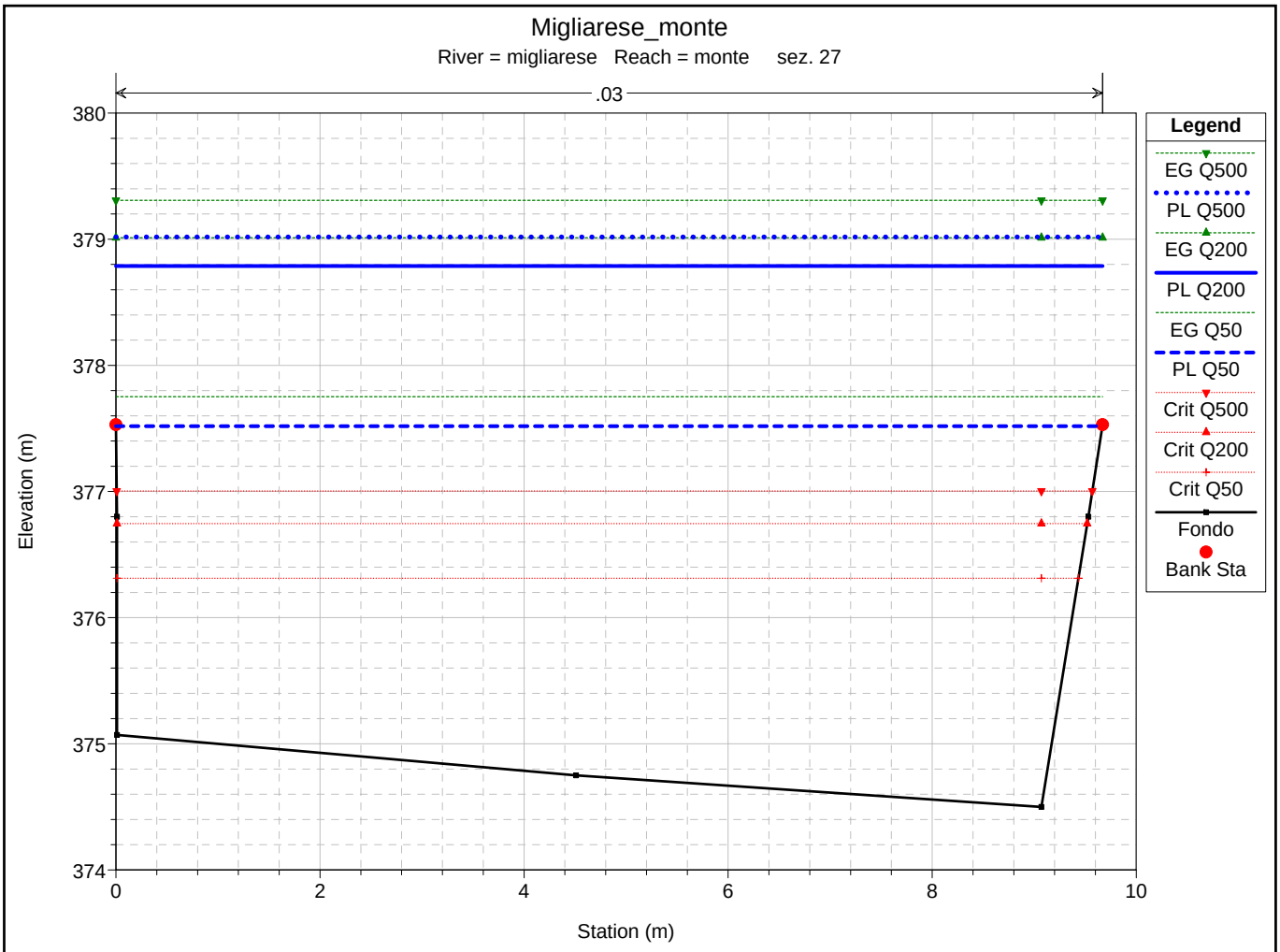
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

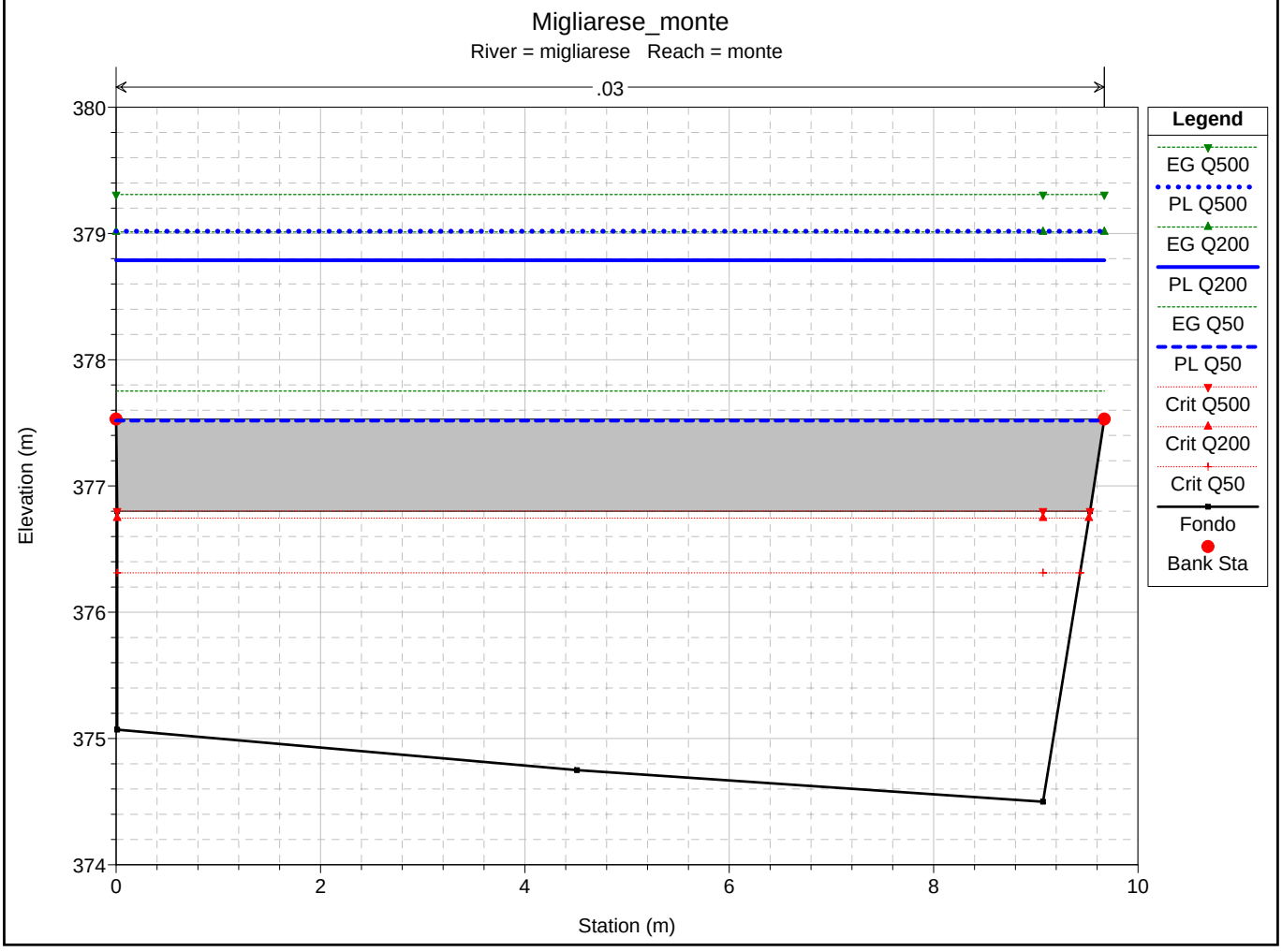

Migliarese_monte
migliarese monte
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
378
376
374
372
370
368
366
364
sez.14.1
sez.15
sez.16
sez.17
sez.18
sez.20
sez.21
sez.22
sez.23
sez.25
sez.26
sez.26
sez.27
sez.27
sez.28
0
100
200
300
400
Main Channel Distance (m)

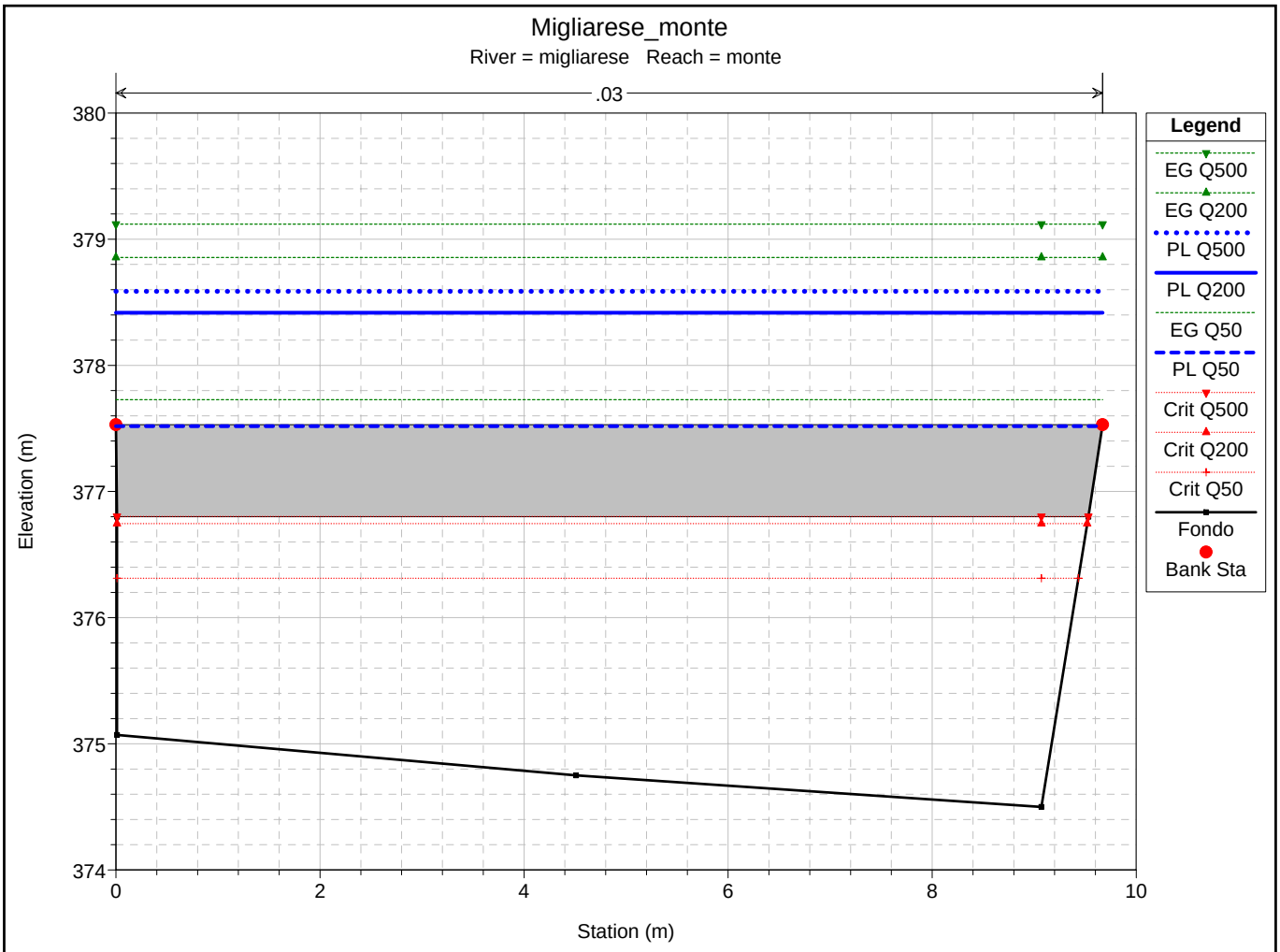

Migliarese_valle
migliarese valle
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
370
365
360
355
0
100
200
300
400
Main Channel Distance (m)
Sez 1
Sez 2
Sez 3
Sez 3.5
Sez 4
Sez 5
Sez 6
Sez 6.1
Sez 6.2
Sez 6.3
Sez 6.9
Sez 8
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Sez 10
Sez 11
Sez 12
Sez 13

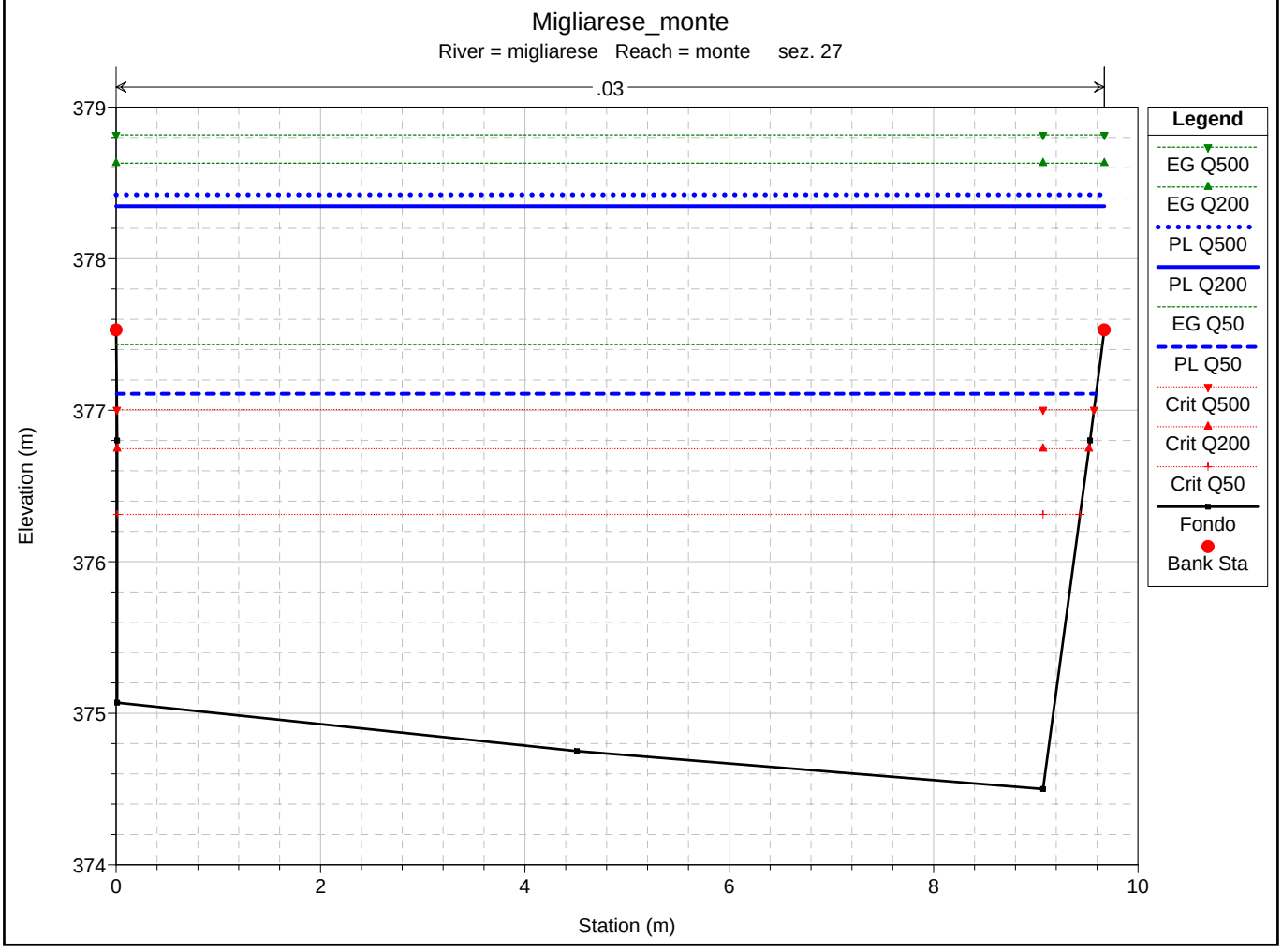

Migliarese_monte
River = migliarese Reach = monte sez.28
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

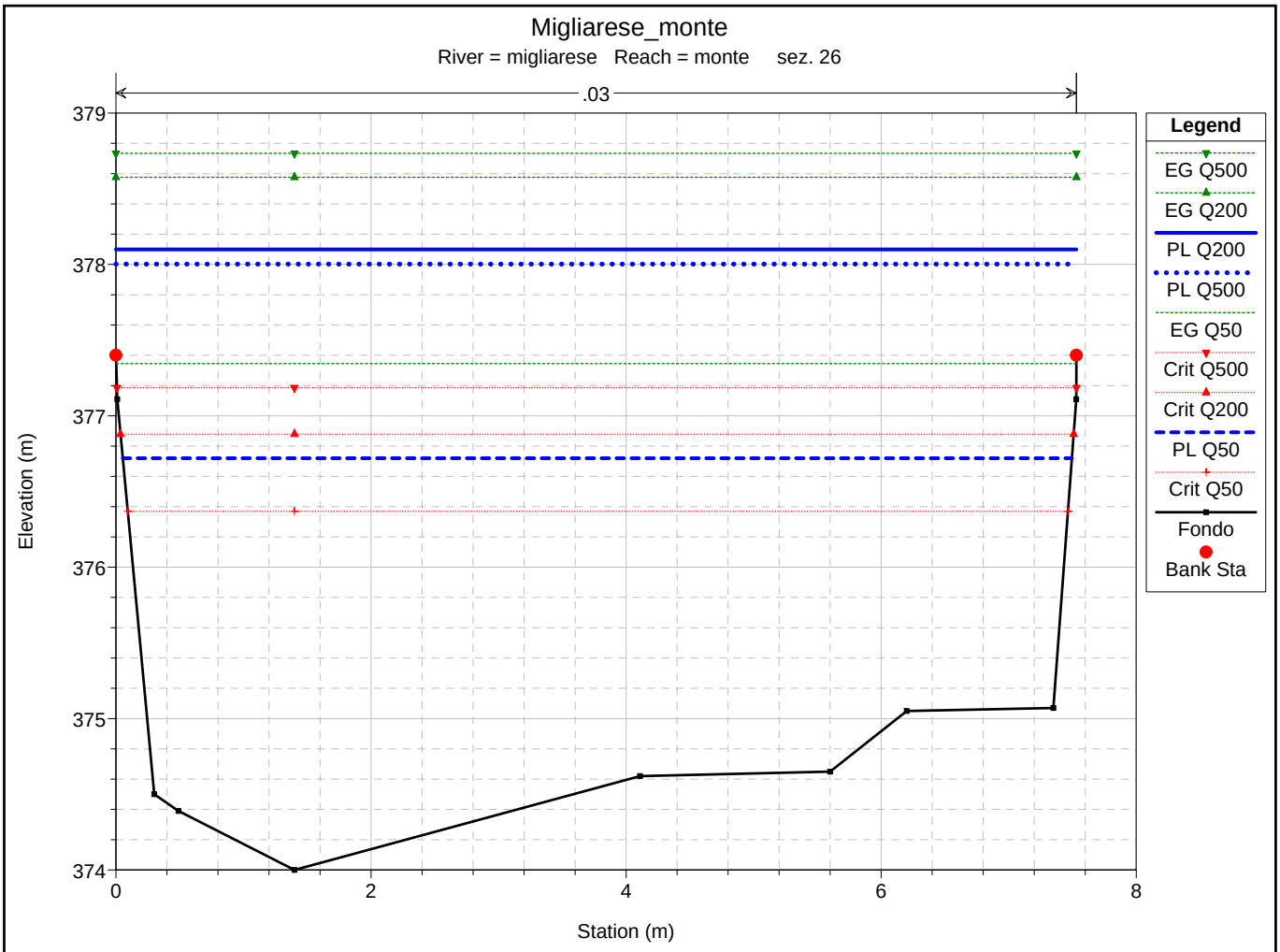

Migliarese_monte
River = migliarese Reach = monte sez.28
.03
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

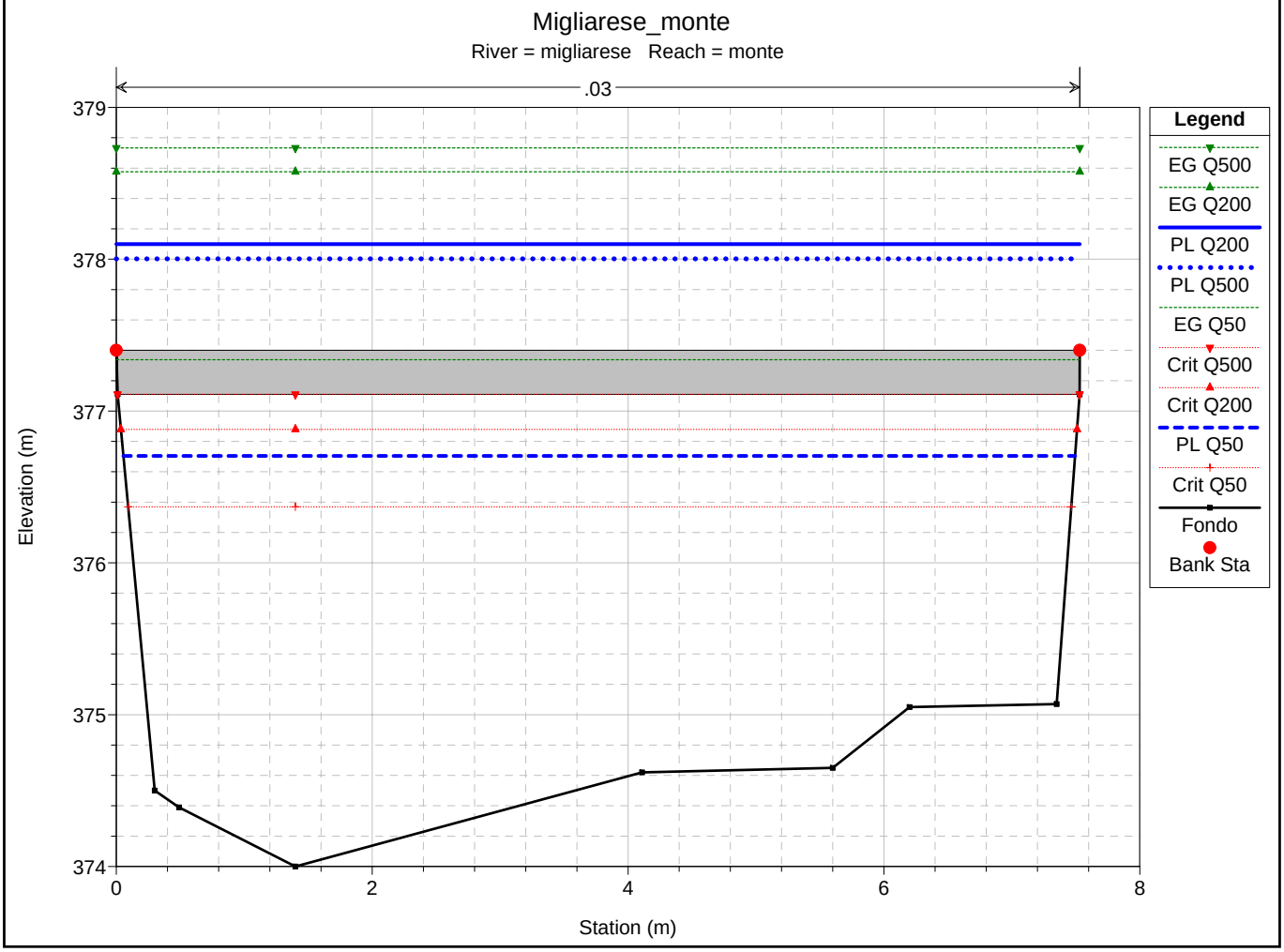

Migliarese_monte
River = migliarese Reach = monte sez. 27
.03
Elevation (m)
380
379
378
377
376
375
374
0
2
4
6
8
10
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

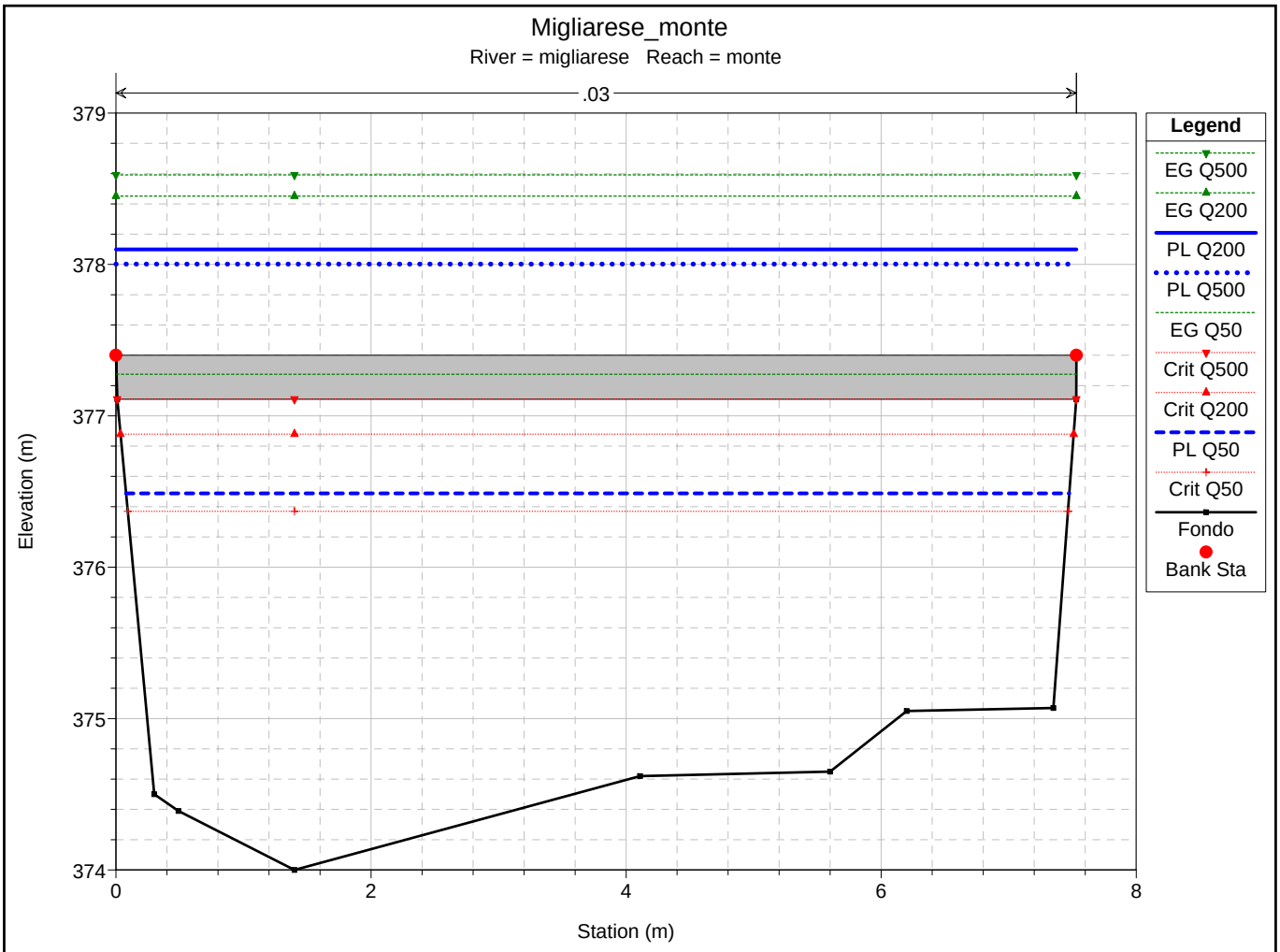

Migliarese_monte
River = migliarese Reach = monte
.03
Elevation (m)
380
379
378
377
376
375
374
0
2
4
6
8
10
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

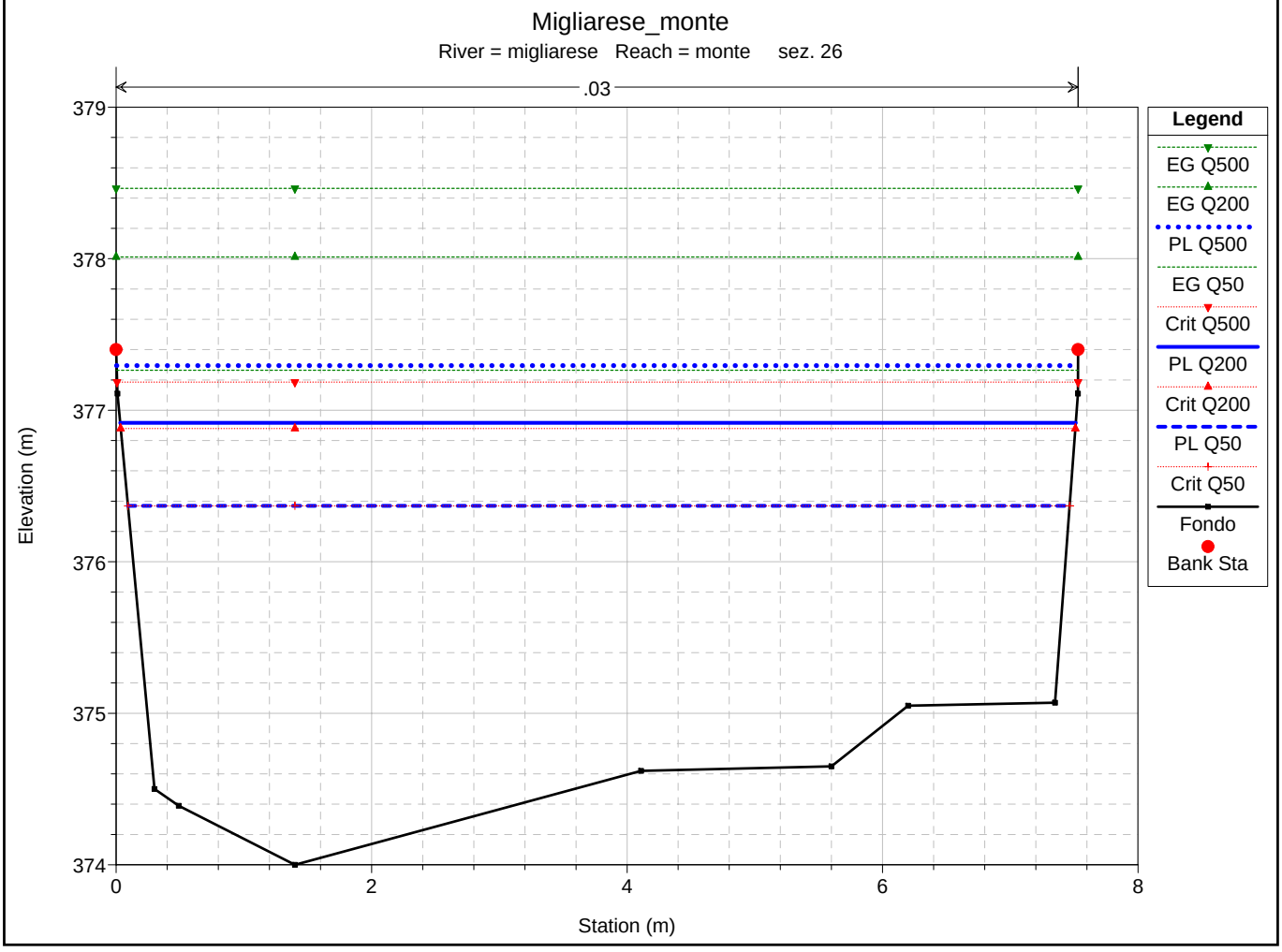

Migliarese_monte
River = migliarese Reach = monte
.03
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
380
379
378
377
376
375
374
0
2
4
6
8
10

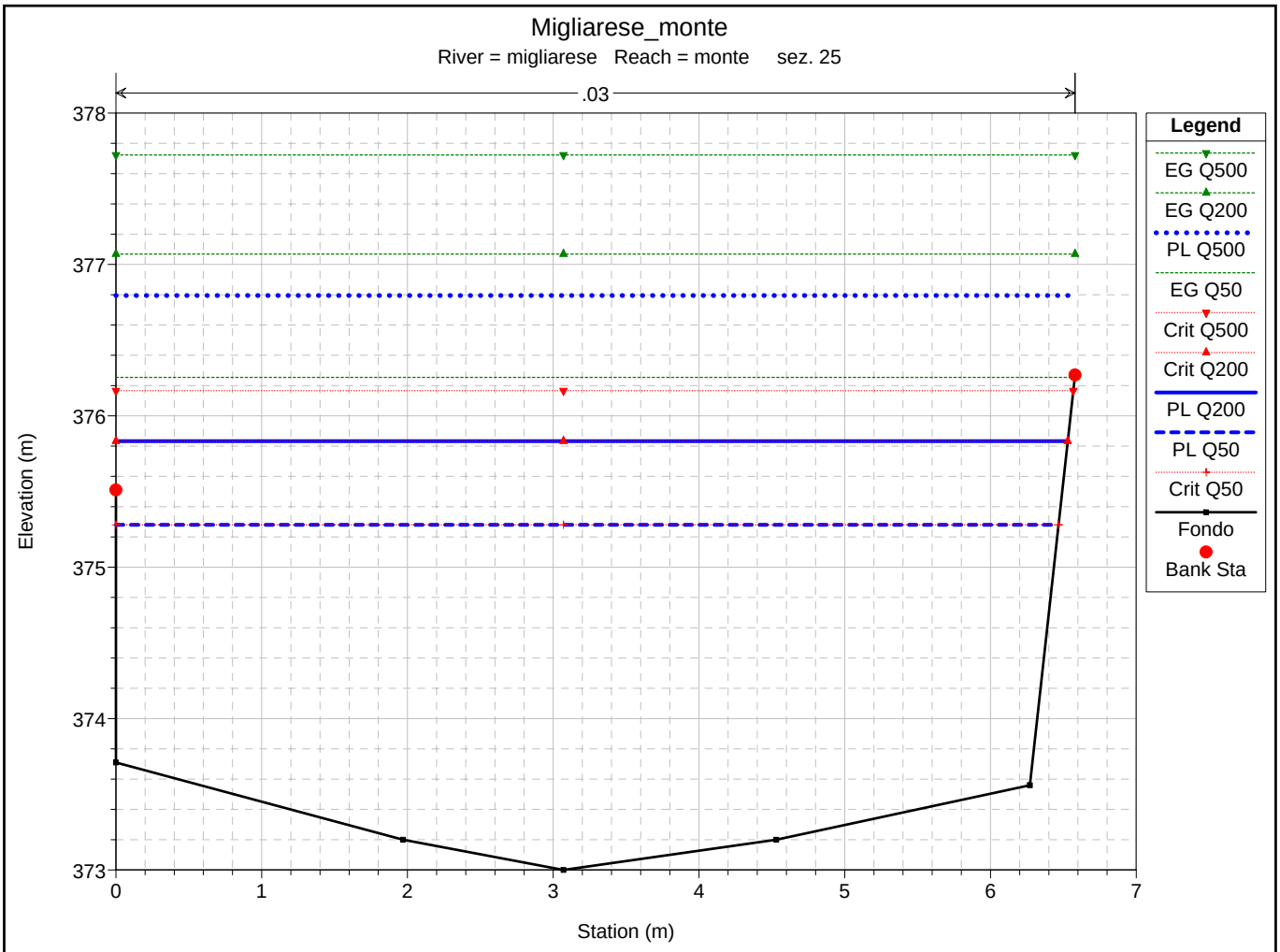

Migliarese_monte
River = migliarese Reach = monte sez. 27
.03
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
379
378
377
376
375
374
0
2
4
6
8
10

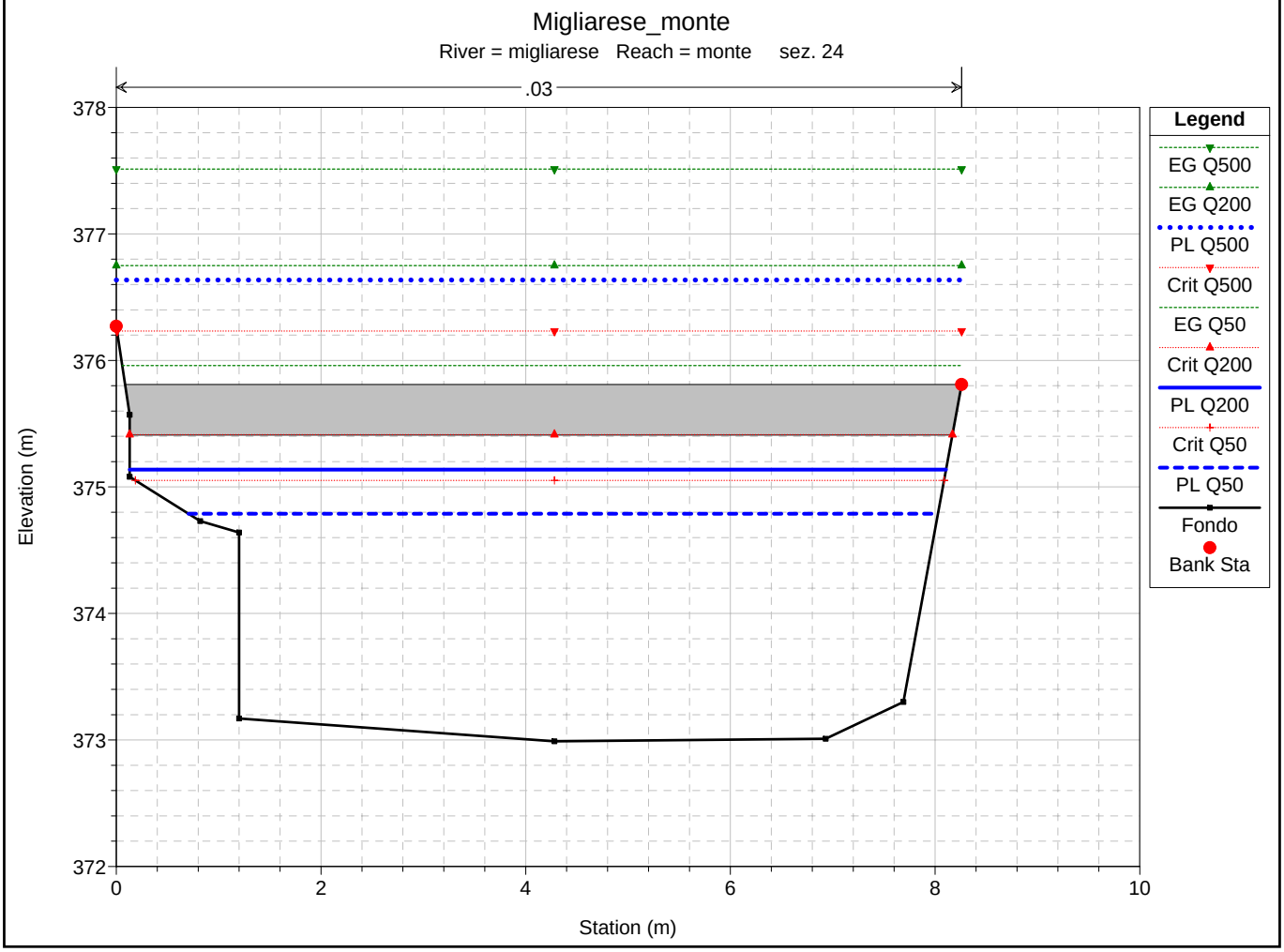

Migliarese_monte
River = migliarese Reach = monte sez. 26
.03
Legend
EG Q500
EG Q200
PL Q200
PL Q500
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
379
378
377
376
375
374
0
2
4
6
8

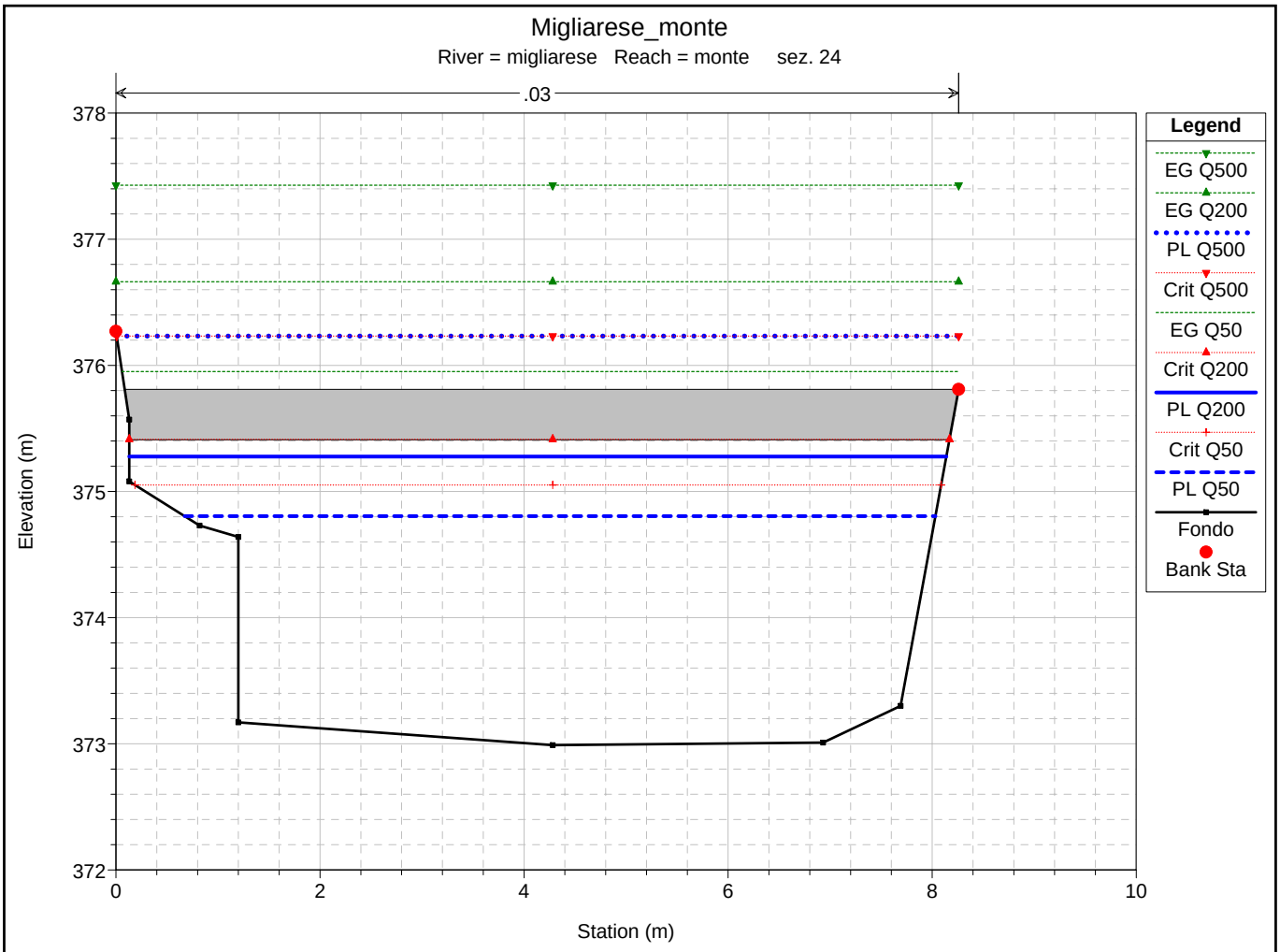

Migliarese_monte
River = migliarese Reach = monte
.03
Legend
EG Q500
EG Q200
PL Q200
PL Q500
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
379
378
377
376
375
374
0
2
4
6
8

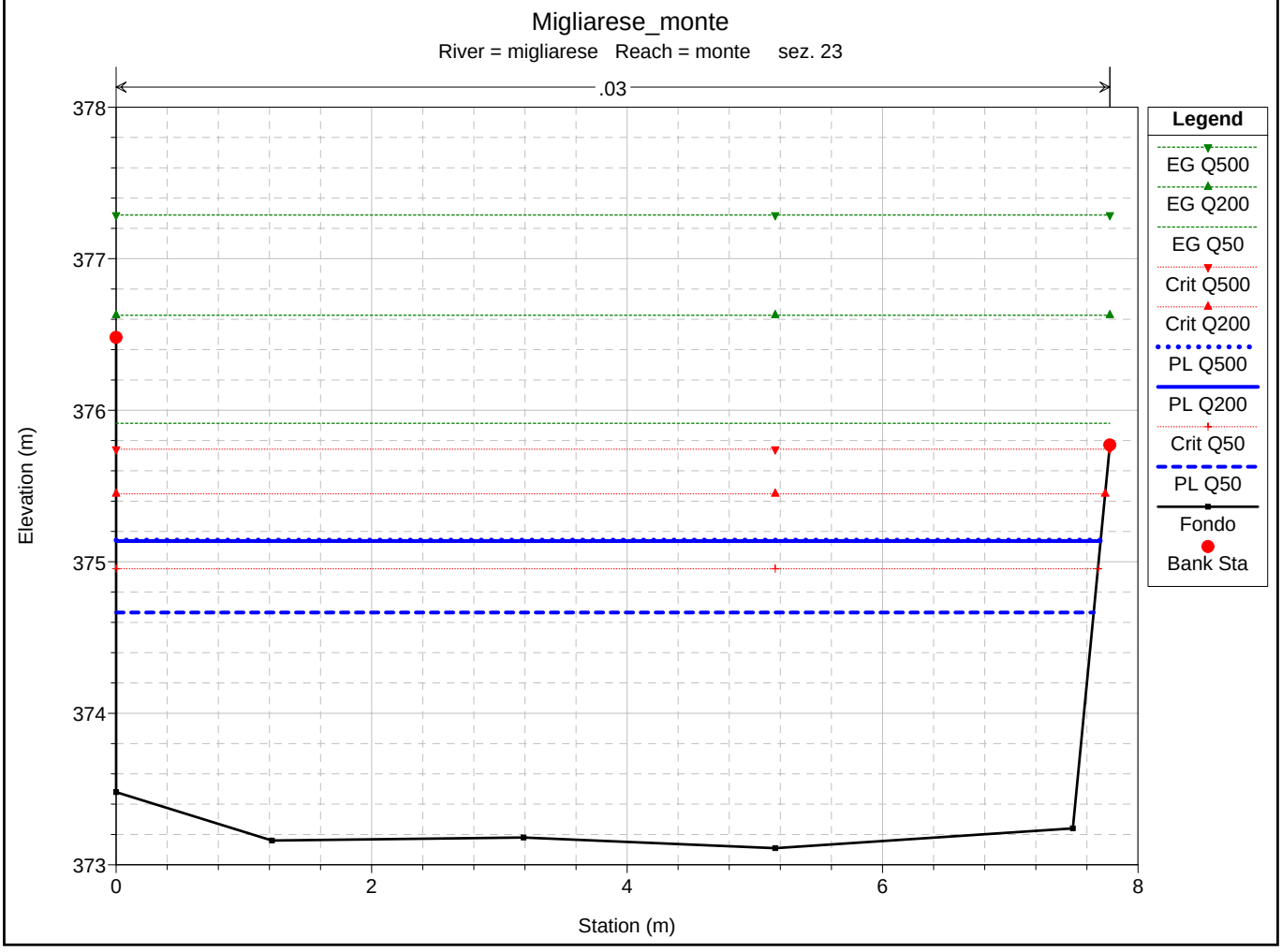

Migliarese_monte
River = migliarese Reach = monte
.03
Legend
EG Q500
EG Q200
PL Q200
PL Q500
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
379
378
377
376
375
374
0
2
4
6
8

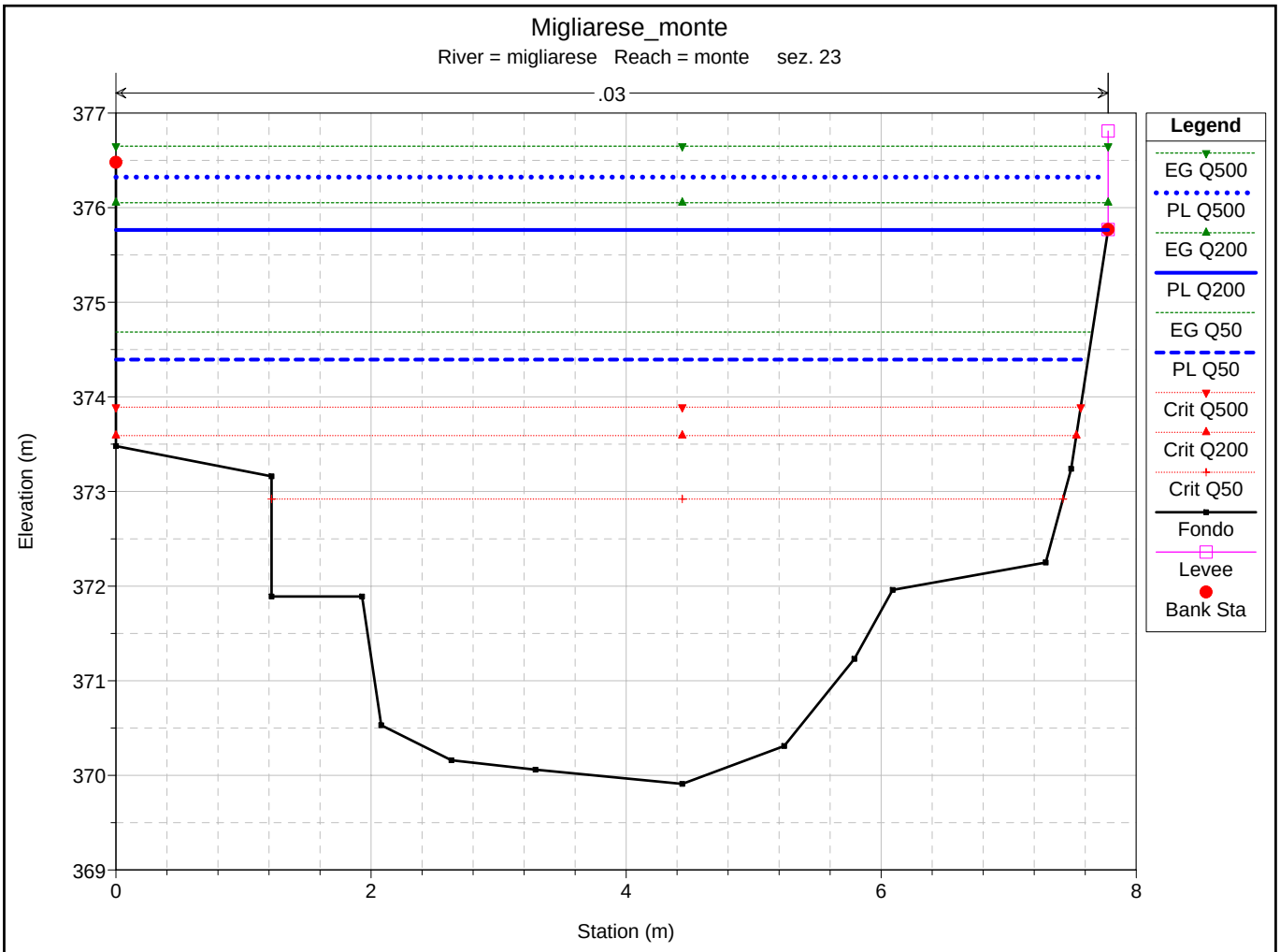

Migliarese_monte
River = migliarese Reach = monte sez. 26
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
379
378
377
376
375
374
0
2
4
6
8

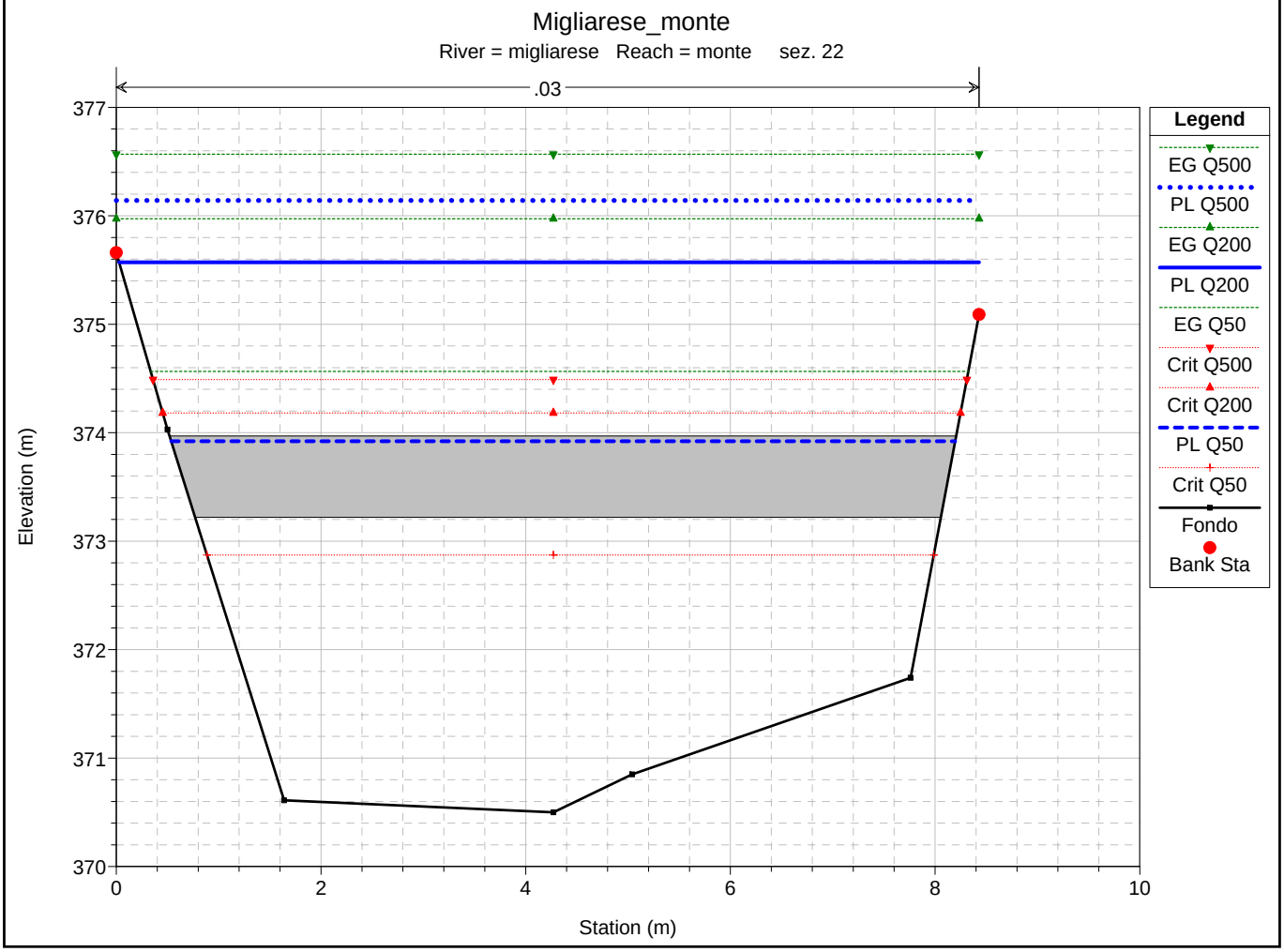

Migliarese_monte
River = migliarese Reach = monte sez. 25
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

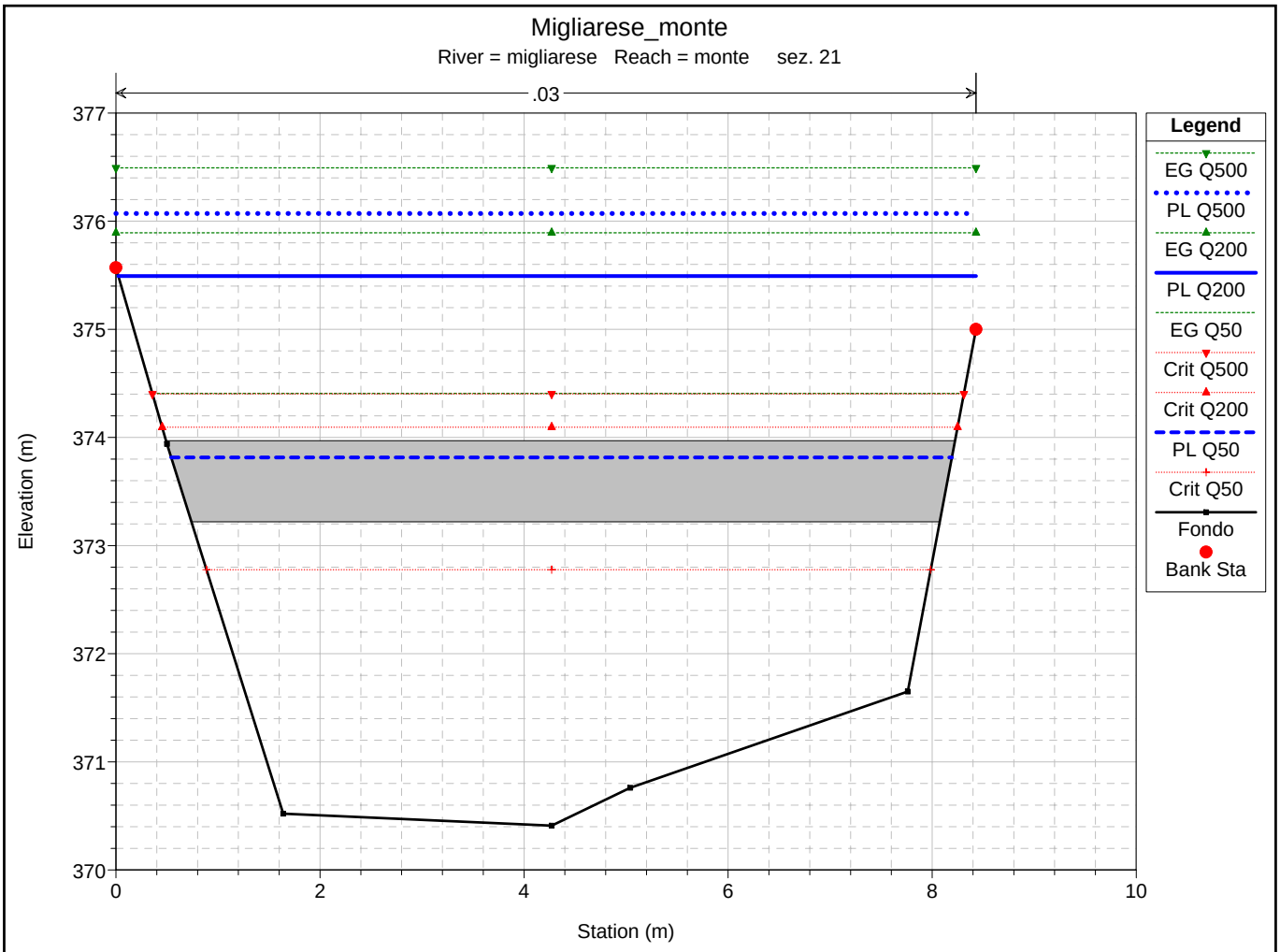

Migliarese_monte
River = migliarese Reach = monte sez. 24
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
Crit Q500
EG Q50
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

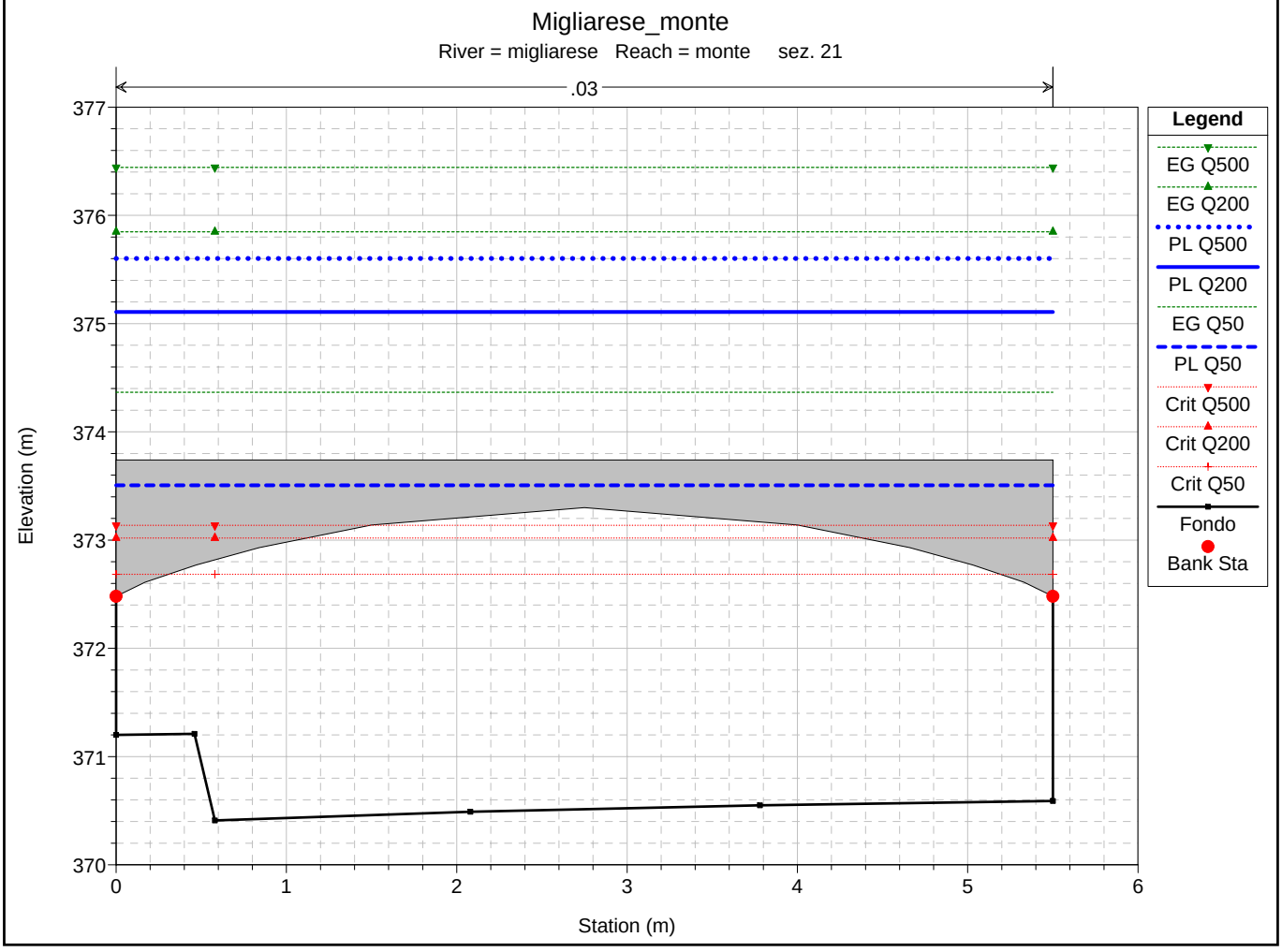

Migliarese_monte
River = migliarese Reach = monte sez. 24
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
Crit Q500
EG Q50
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

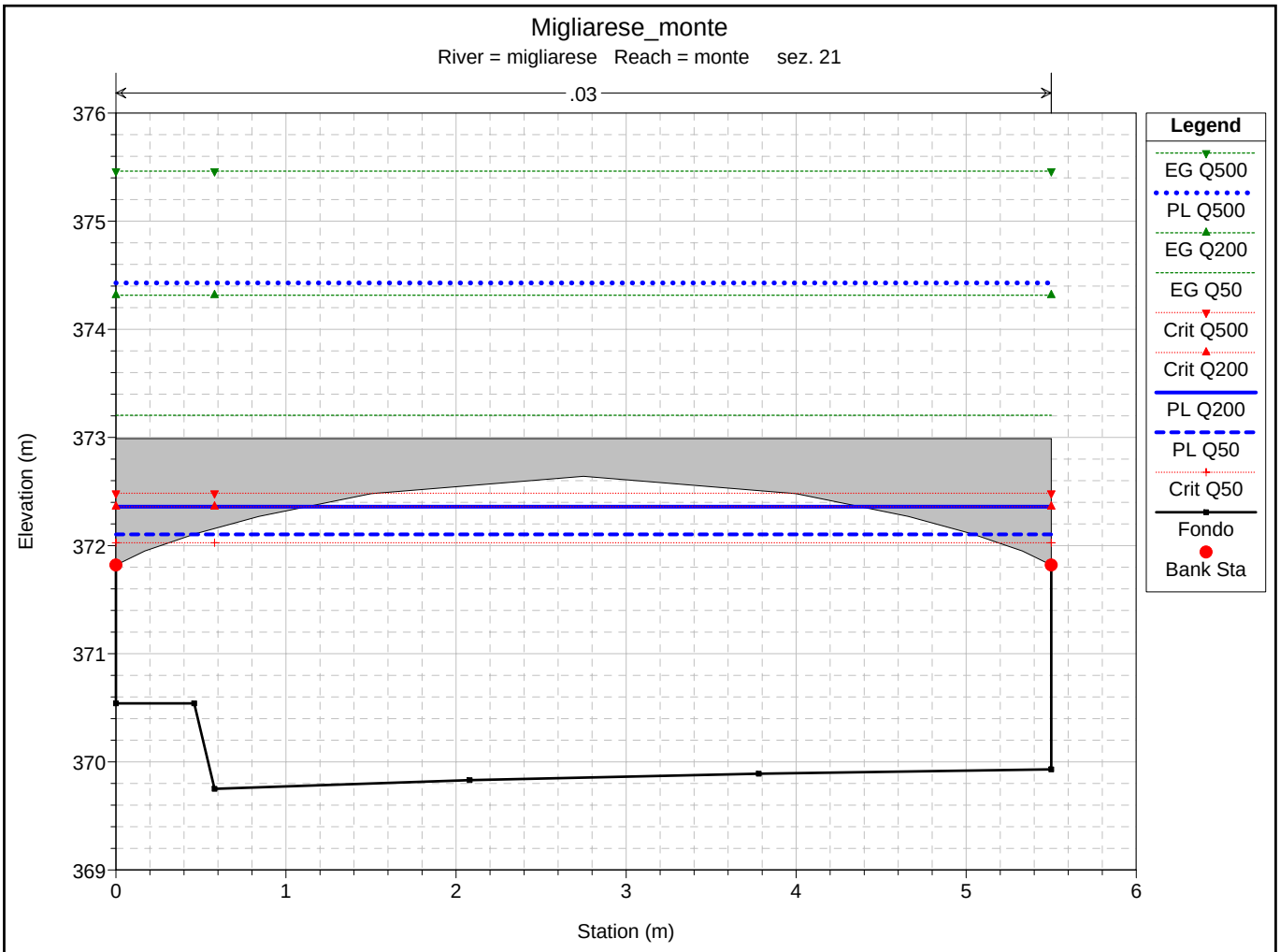

Migliarese_monte
River = migliarese Reach = monte sez. 23
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

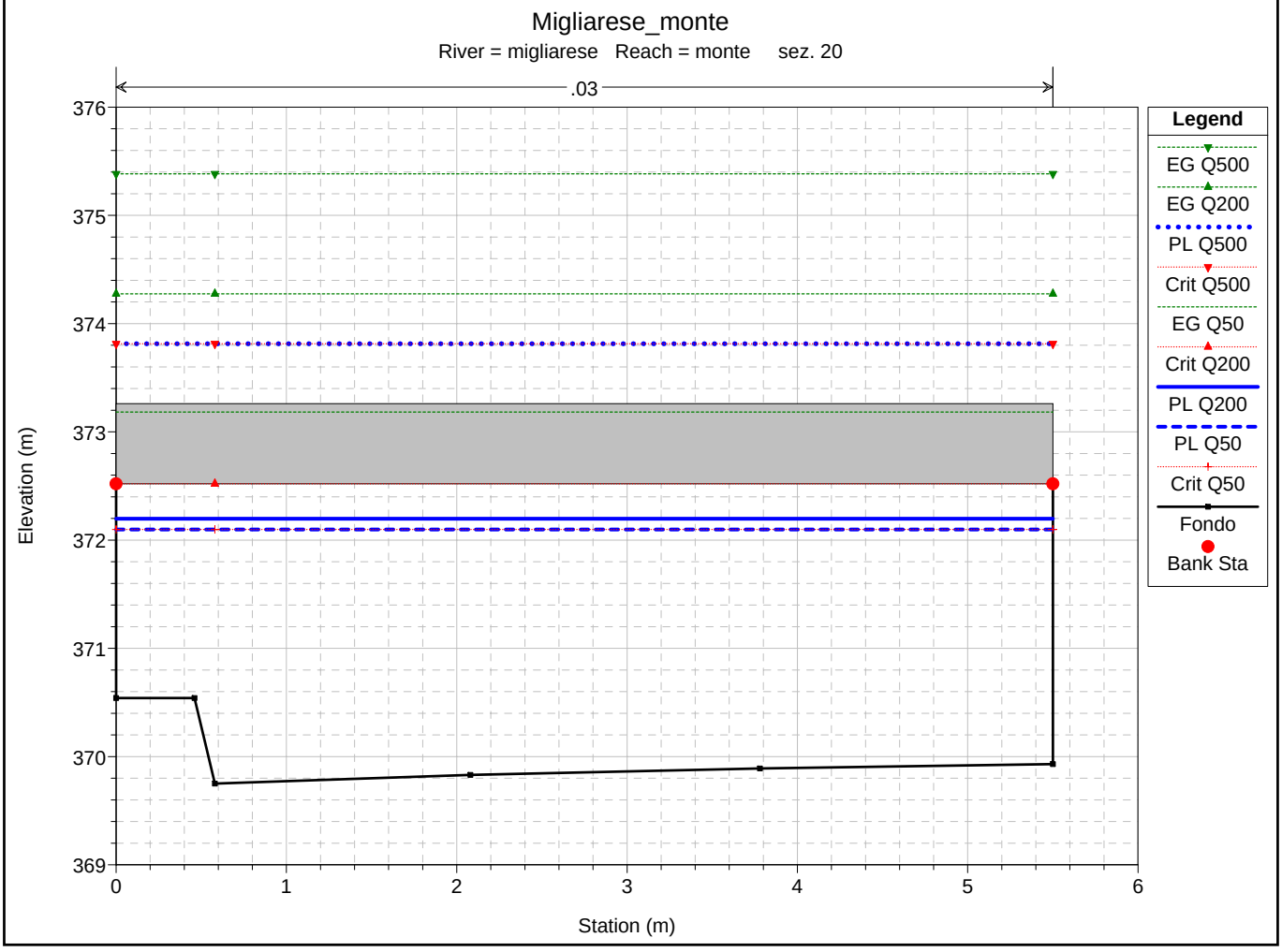

Migliarese_monte
River = migliarese Reach = monte sez. 23
.03
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Levee
Bank Sta

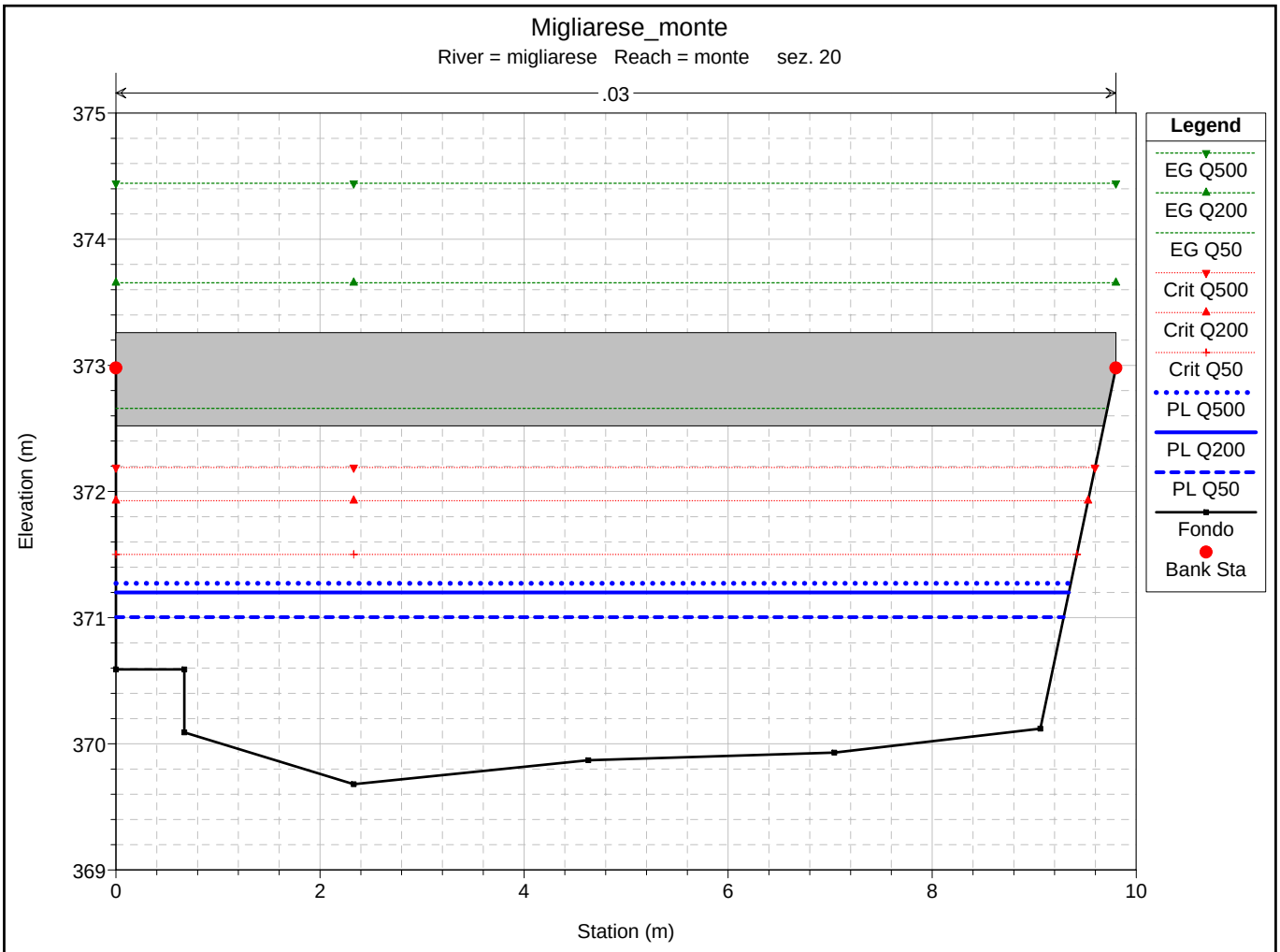

Migliarese_monte
River = migliarese Reach = monte sez. 22
.03
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

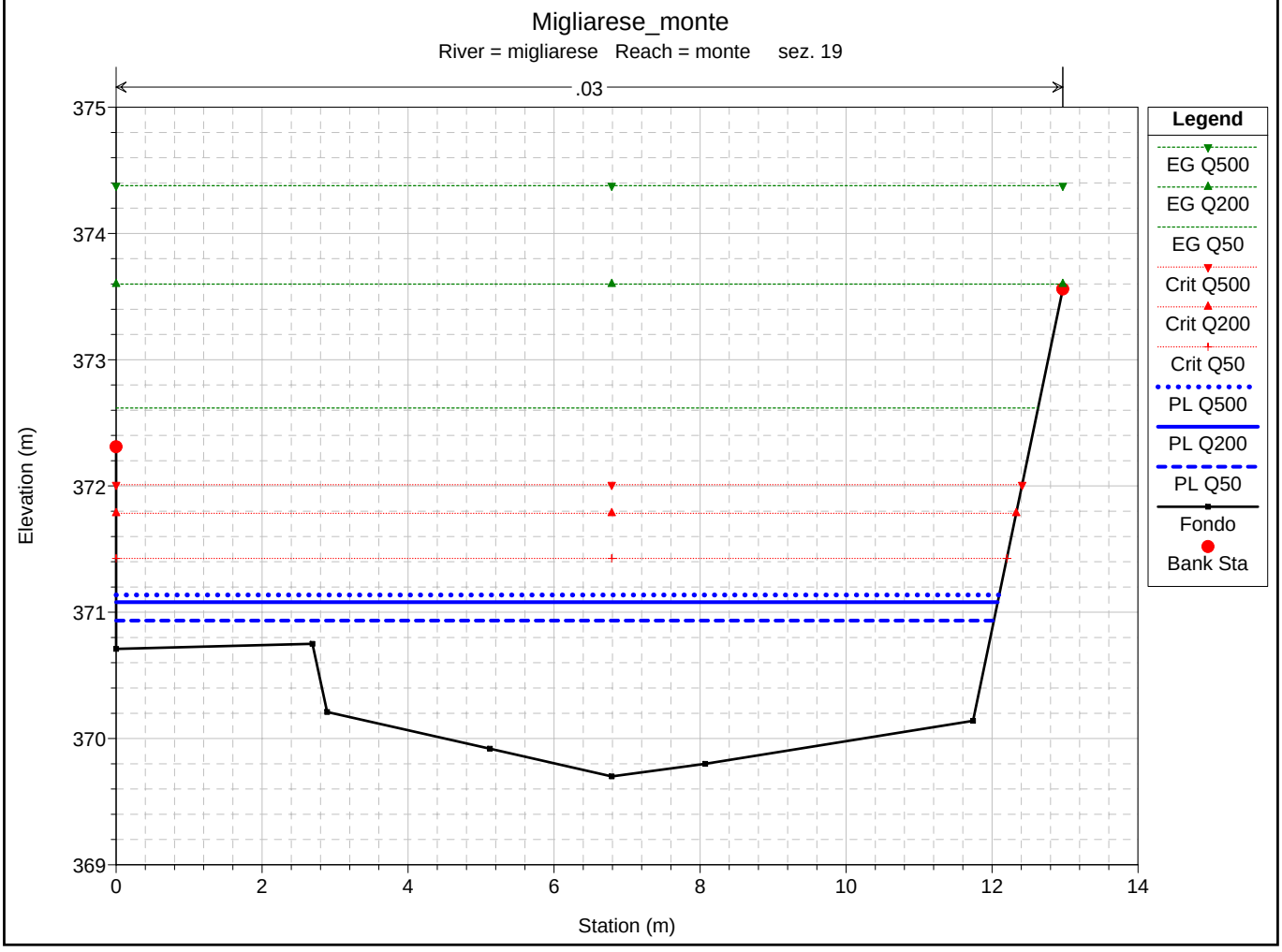

Migliarese_monte
River = migliarese Reach = monte sez. 21
.03
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

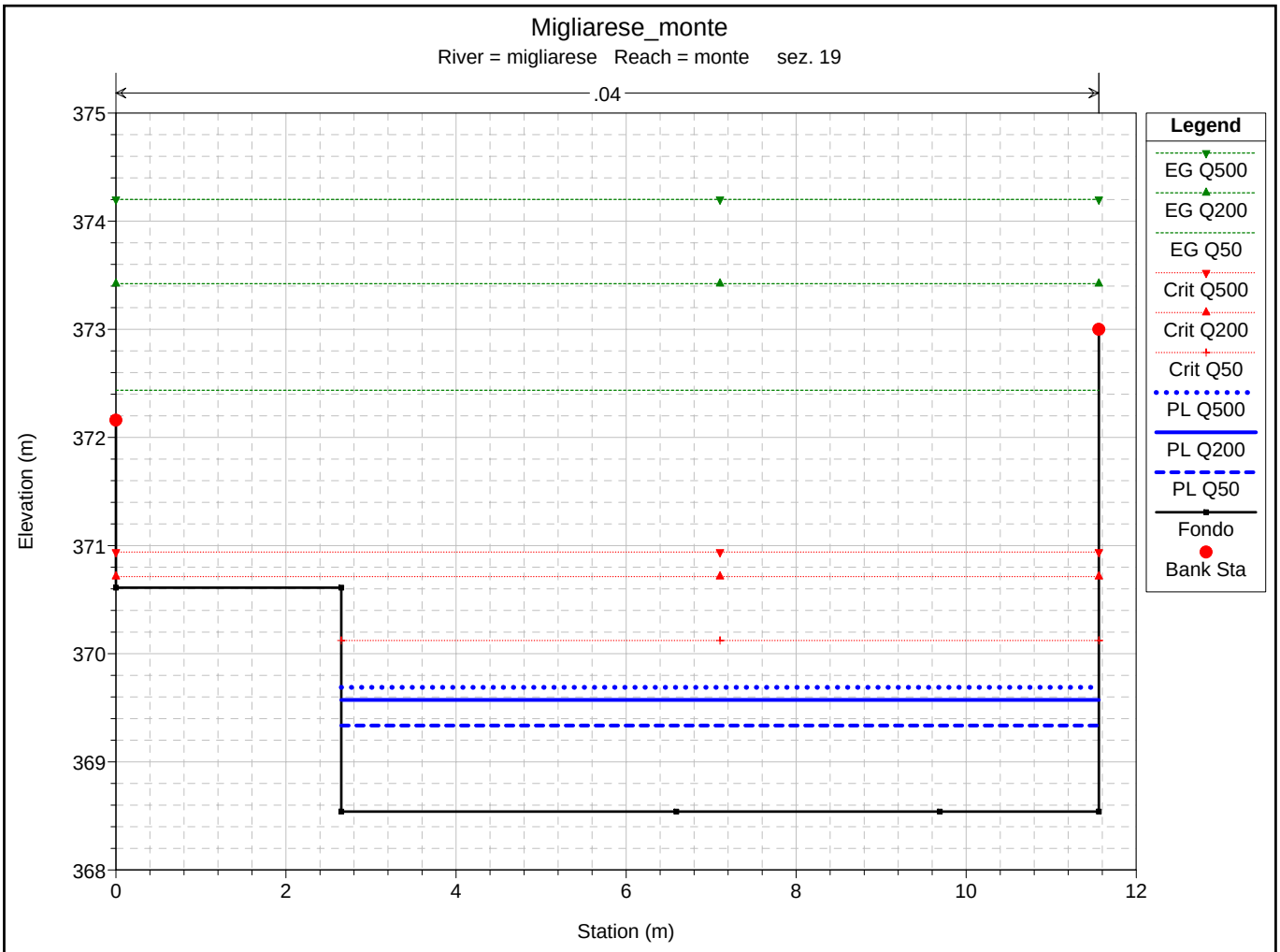

Migliarese_monte
River = migliarese Reach = monte sez. 21
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

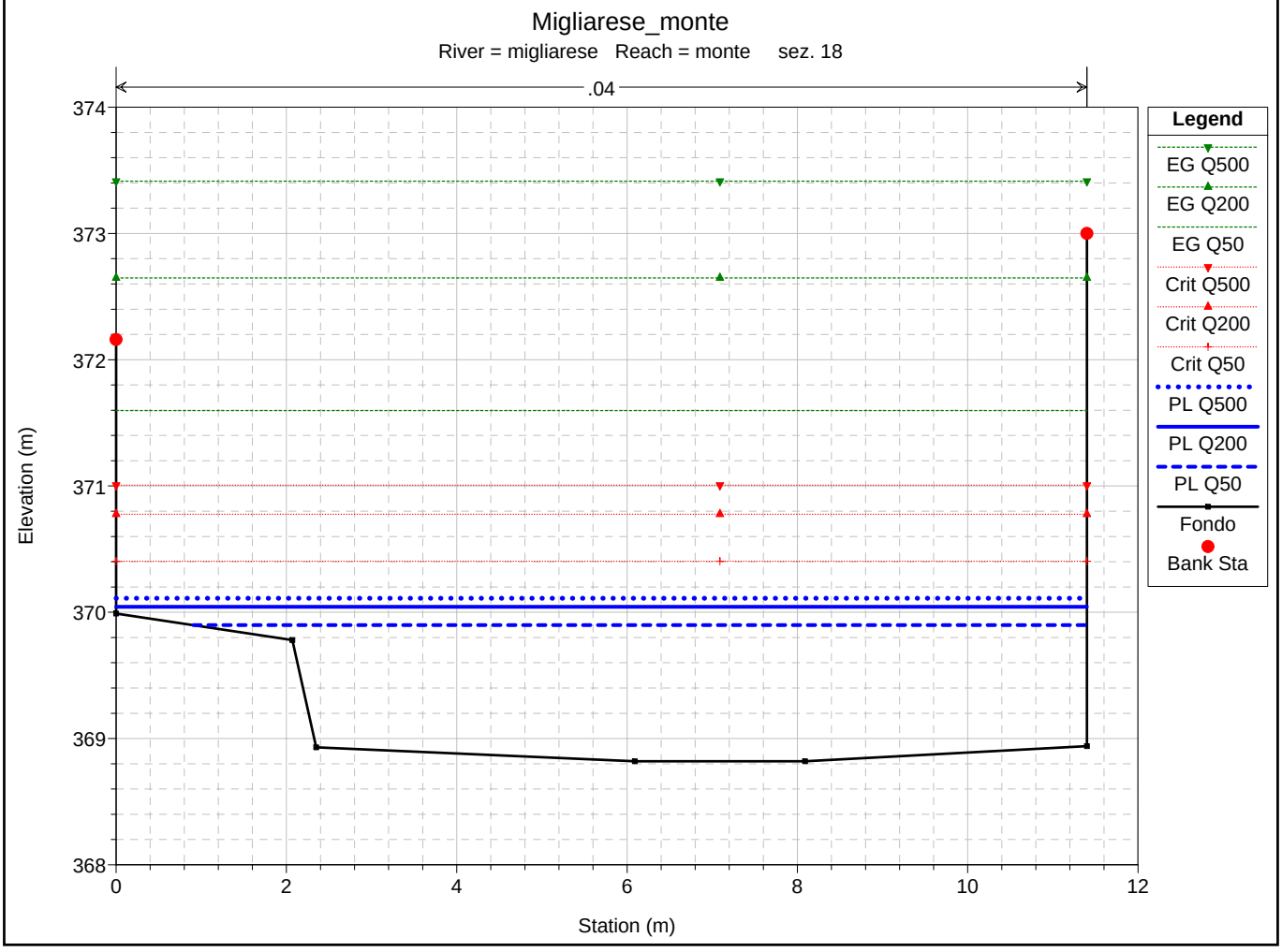

Migliarese_monte
River = migliarese Reach = monte sez. 21
.03
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

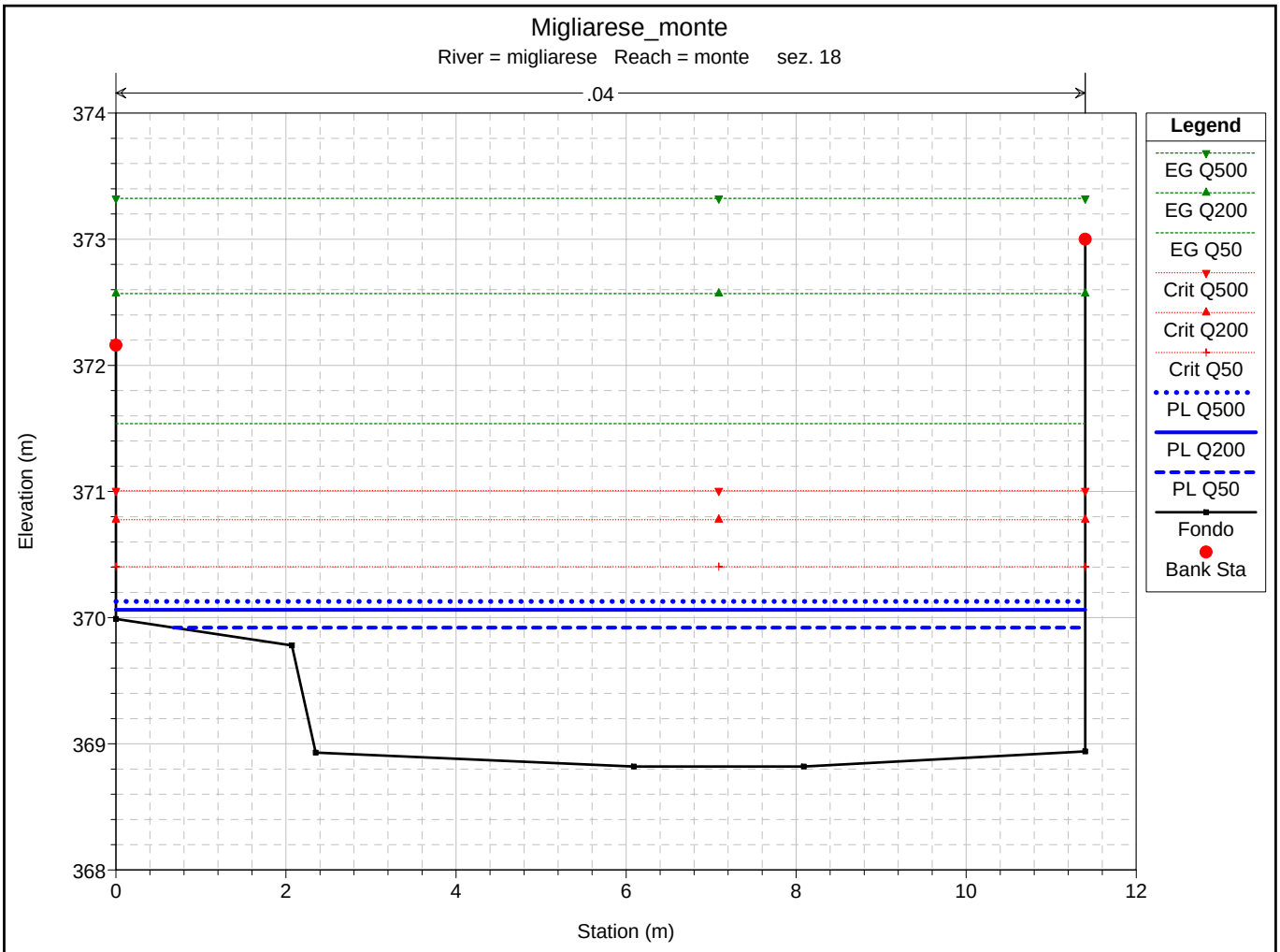

Migliarese_monte
River = migliarese Reach = monte sez. 20
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
Crit Q500
EG Q50
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

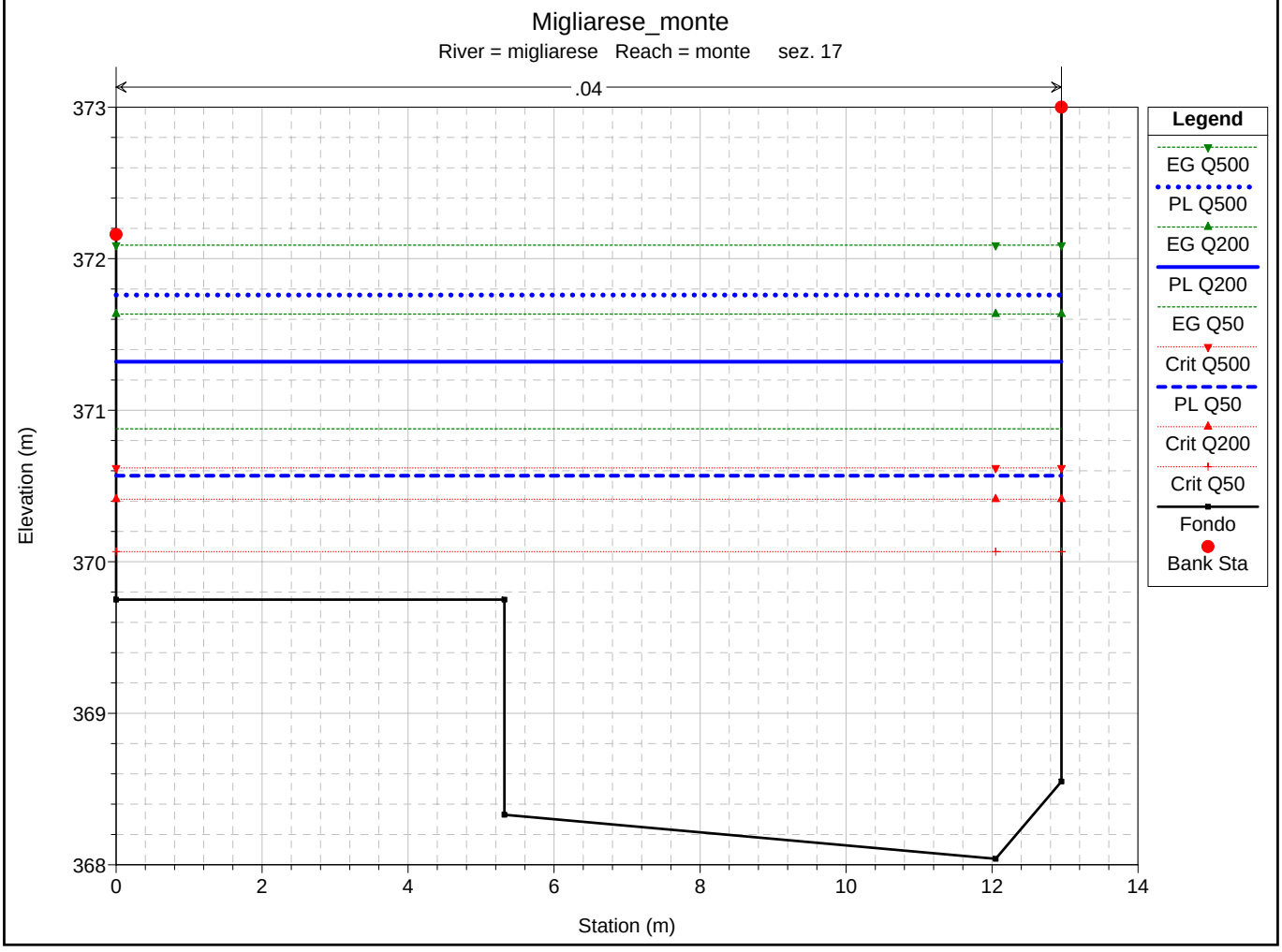

Migliarese_monte
River = migliarese Reach = monte sez. 20
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

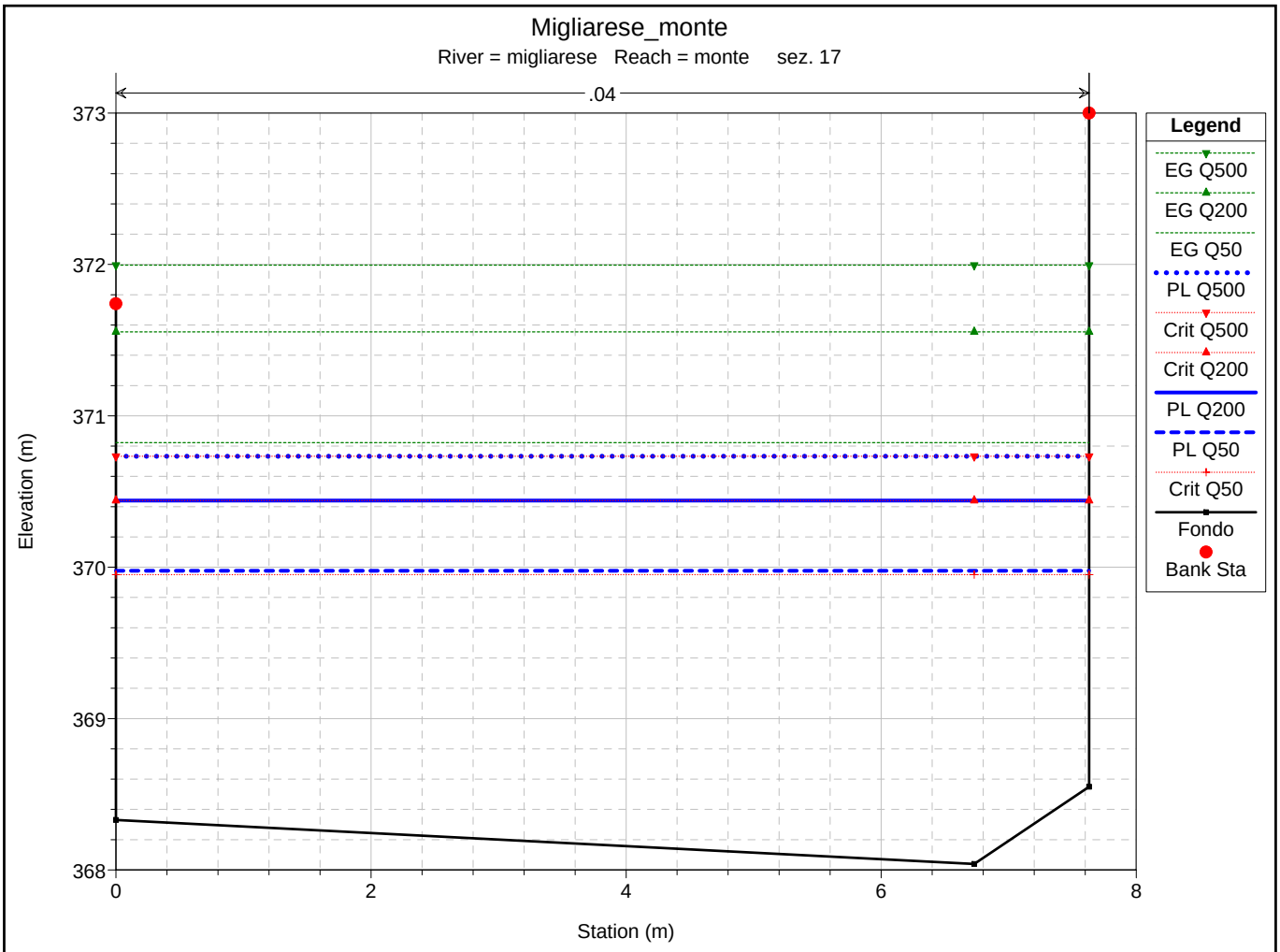

Migliarese_monte
River = migliarese Reach = monte sez. 19
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

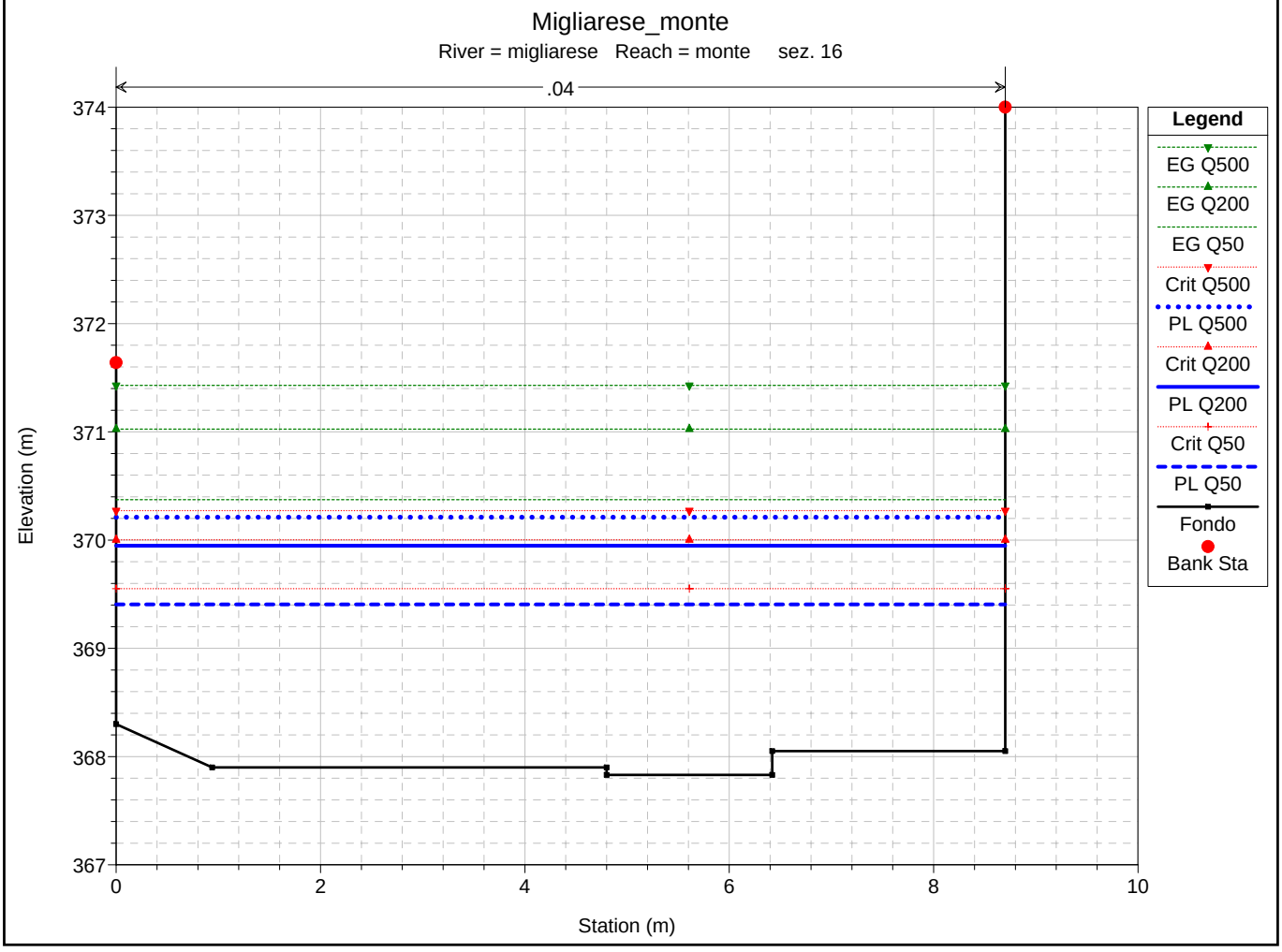

Migliarese_monte
River = migliarese Reach = monte sez. 19
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

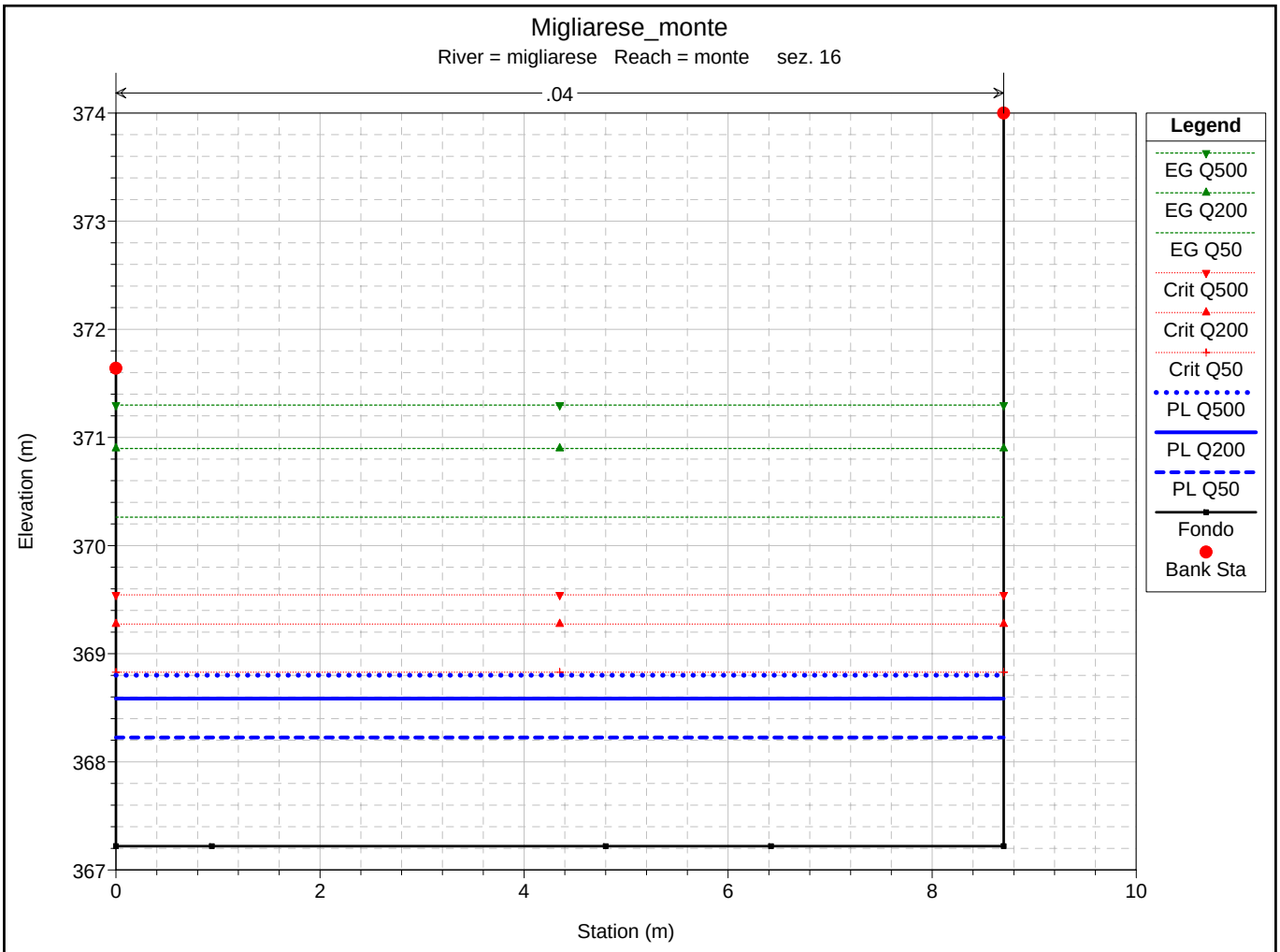

Migliarese_monte
River = migliarese Reach = monte sez. 18
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

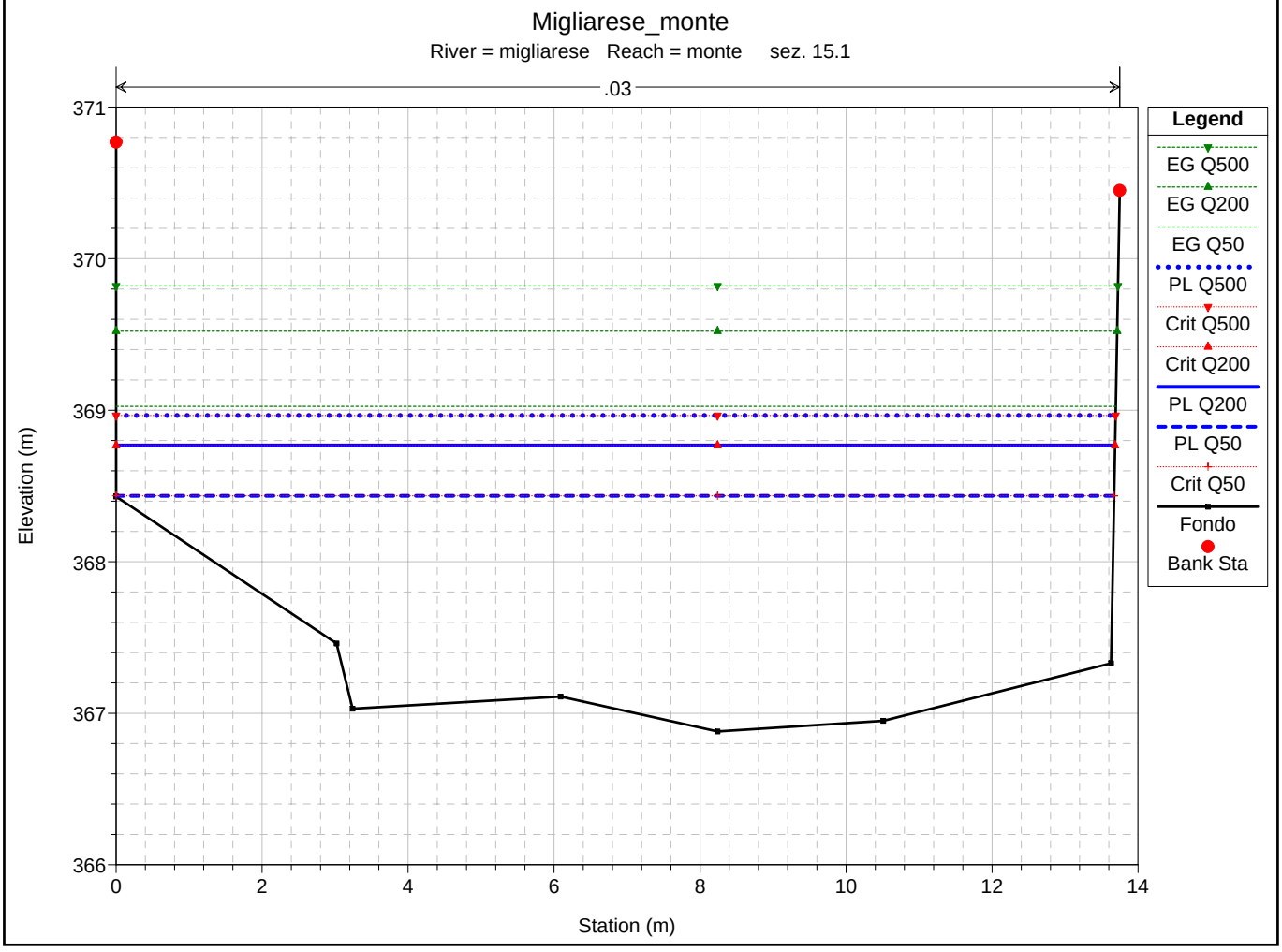

Migliarese_monte
River = migliarese Reach = monte sez. 18
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

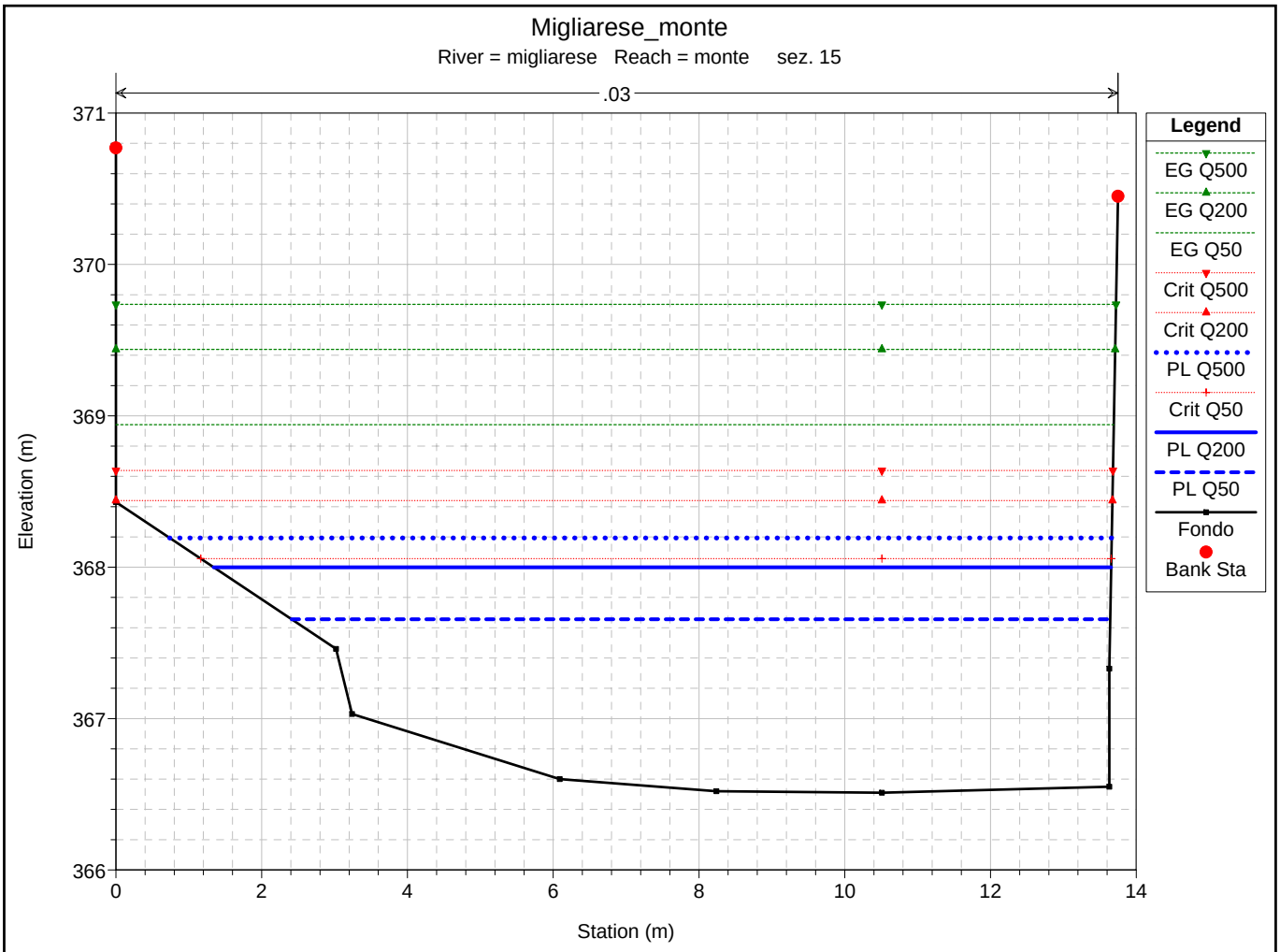

Migliarese_monte
River = migliarese Reach = monte sez. 17
.04
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

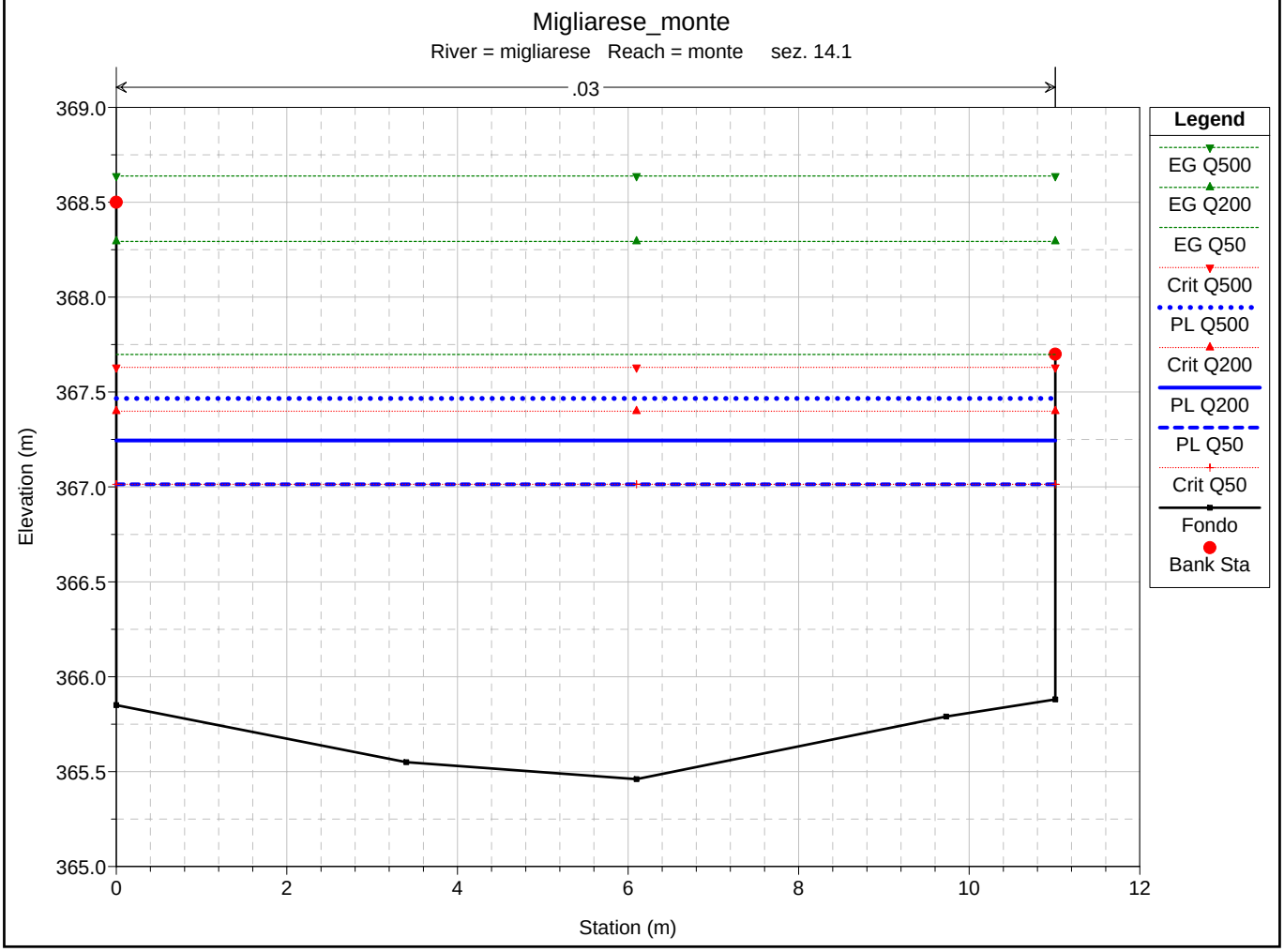

Migliarese_monte
River = migliarese Reach = monte sez. 17
.04
Elevation (m)
373
372
371
370
369
368
0
2
4
6
8
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

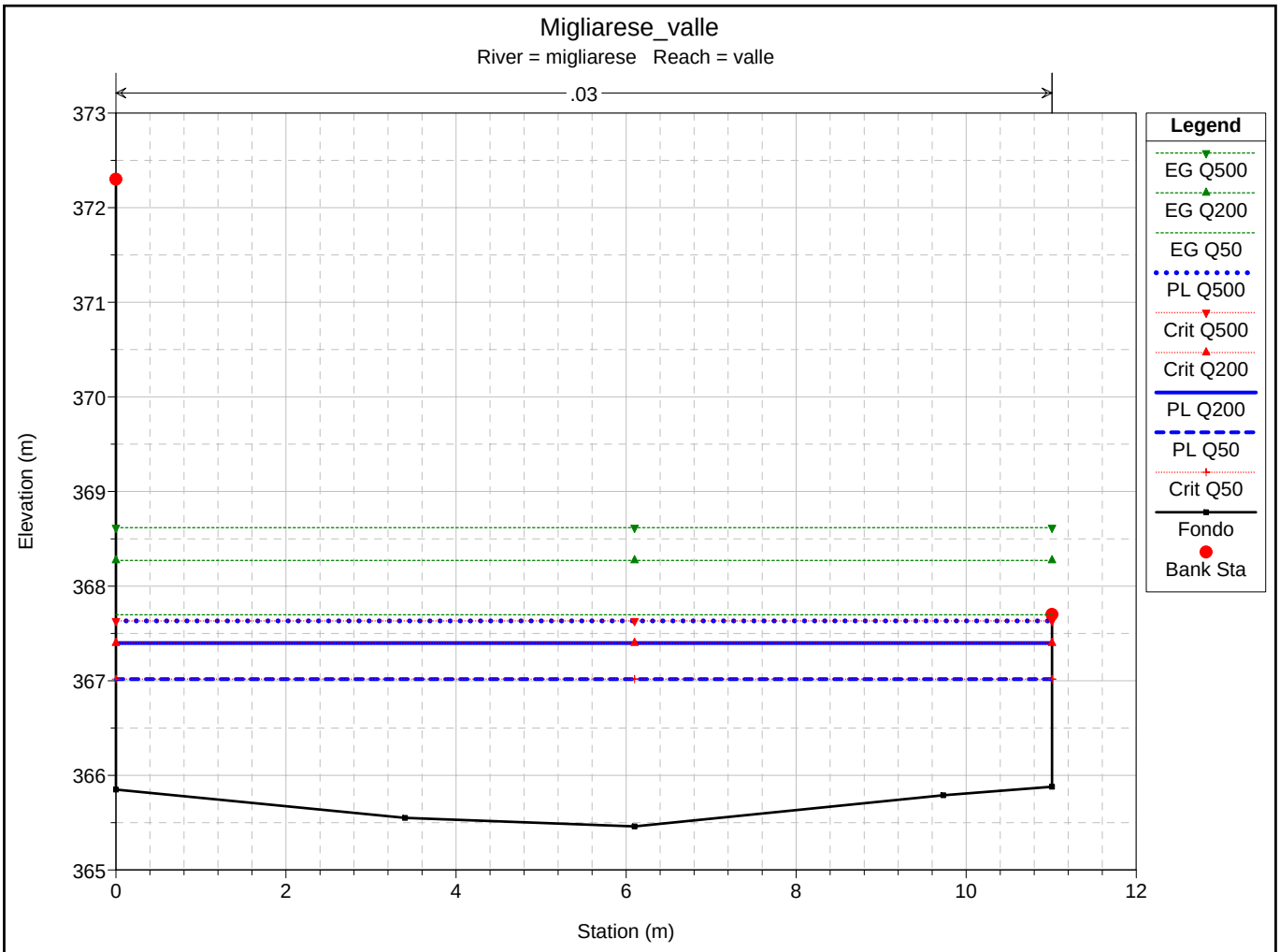

Migliarese_monte
River = migliarese Reach = monte sez. 16
.04
Elevation (m)
374
373
372
371
370
369
368
367
0
2
4
6
8
10
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

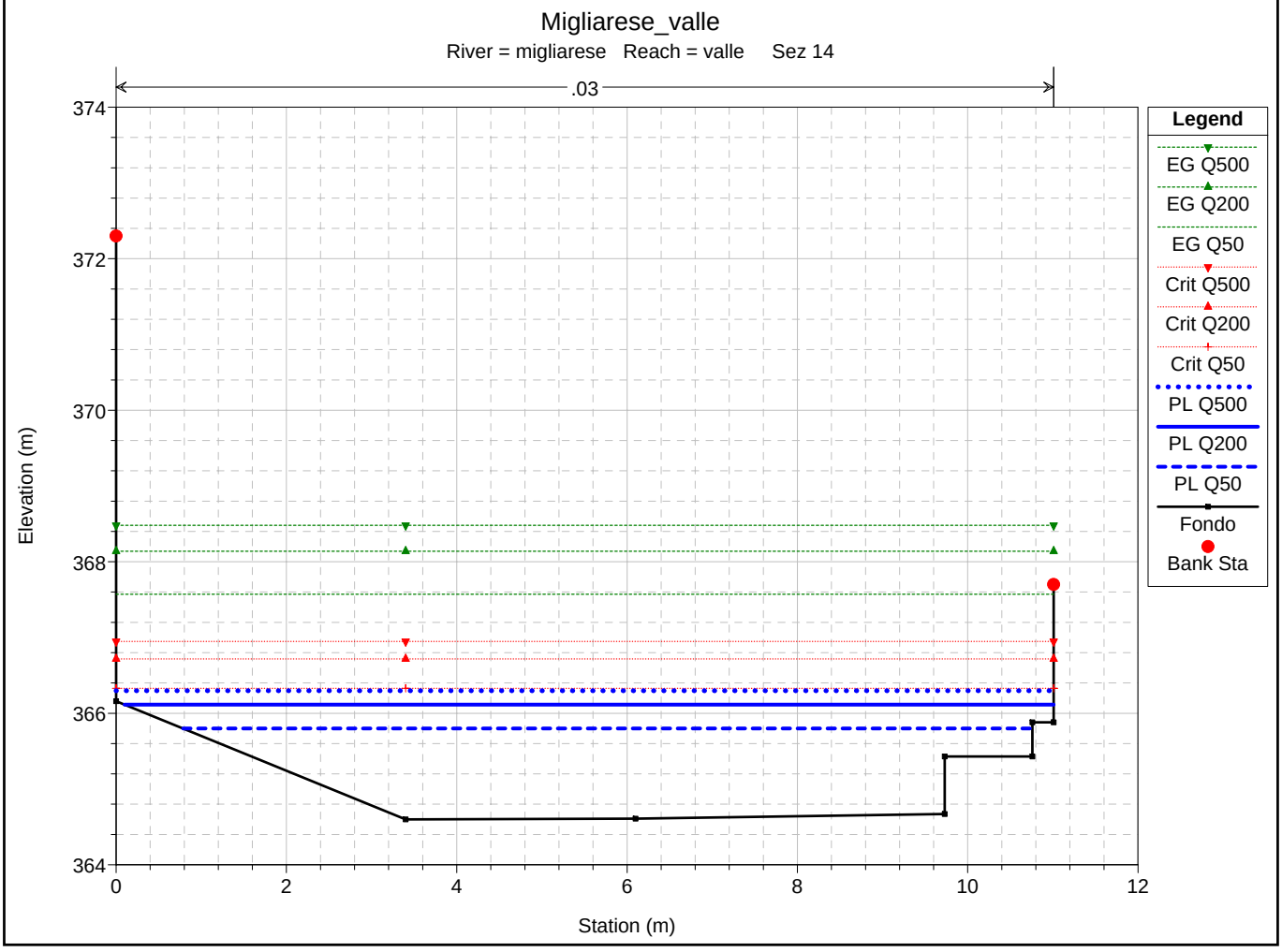

Migliarese_monte
River = migliarese Reach = monte sez. 16
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

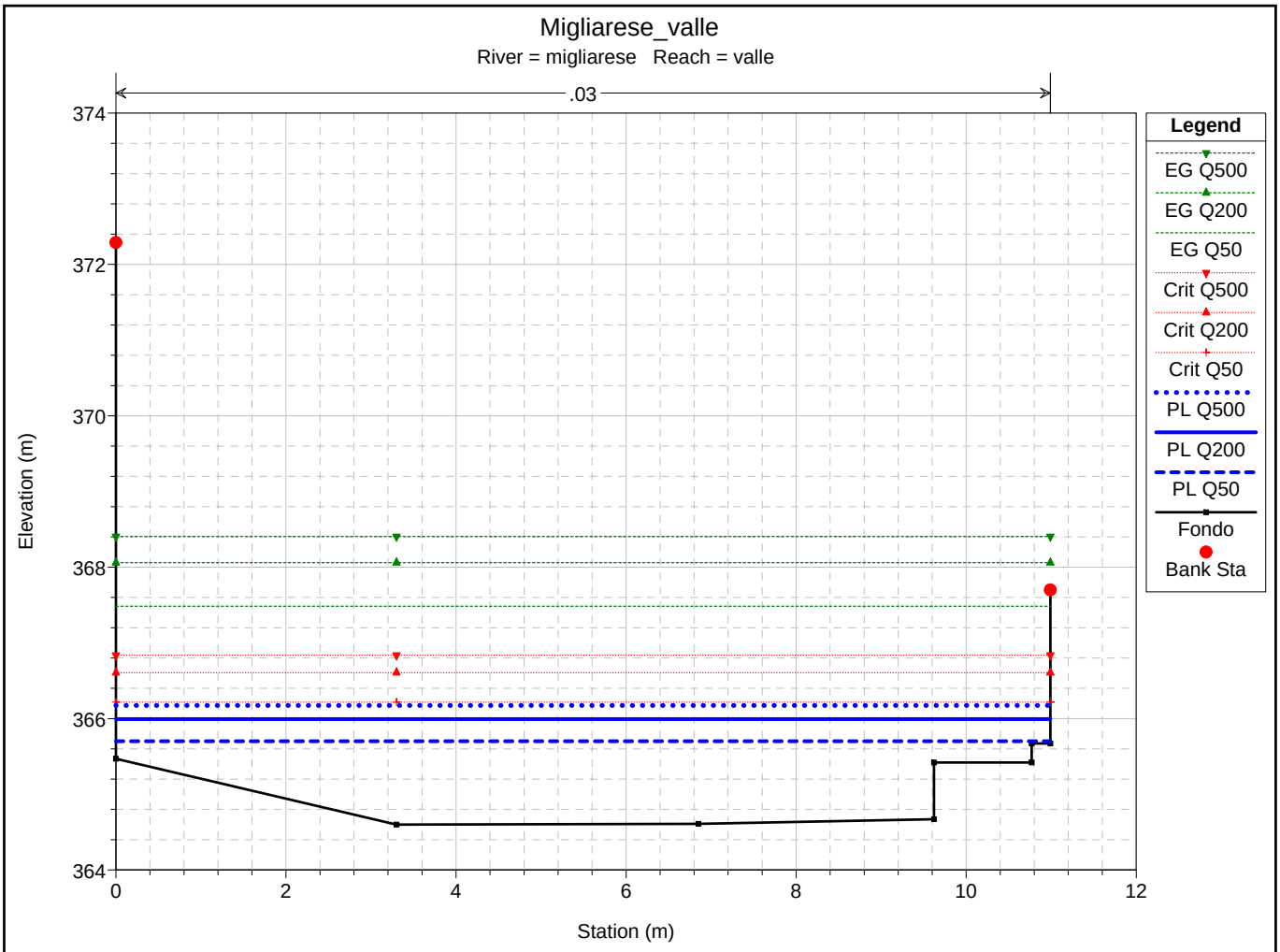

Migliarese_monte
River = migliarese Reach = monte sez. 15.1
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

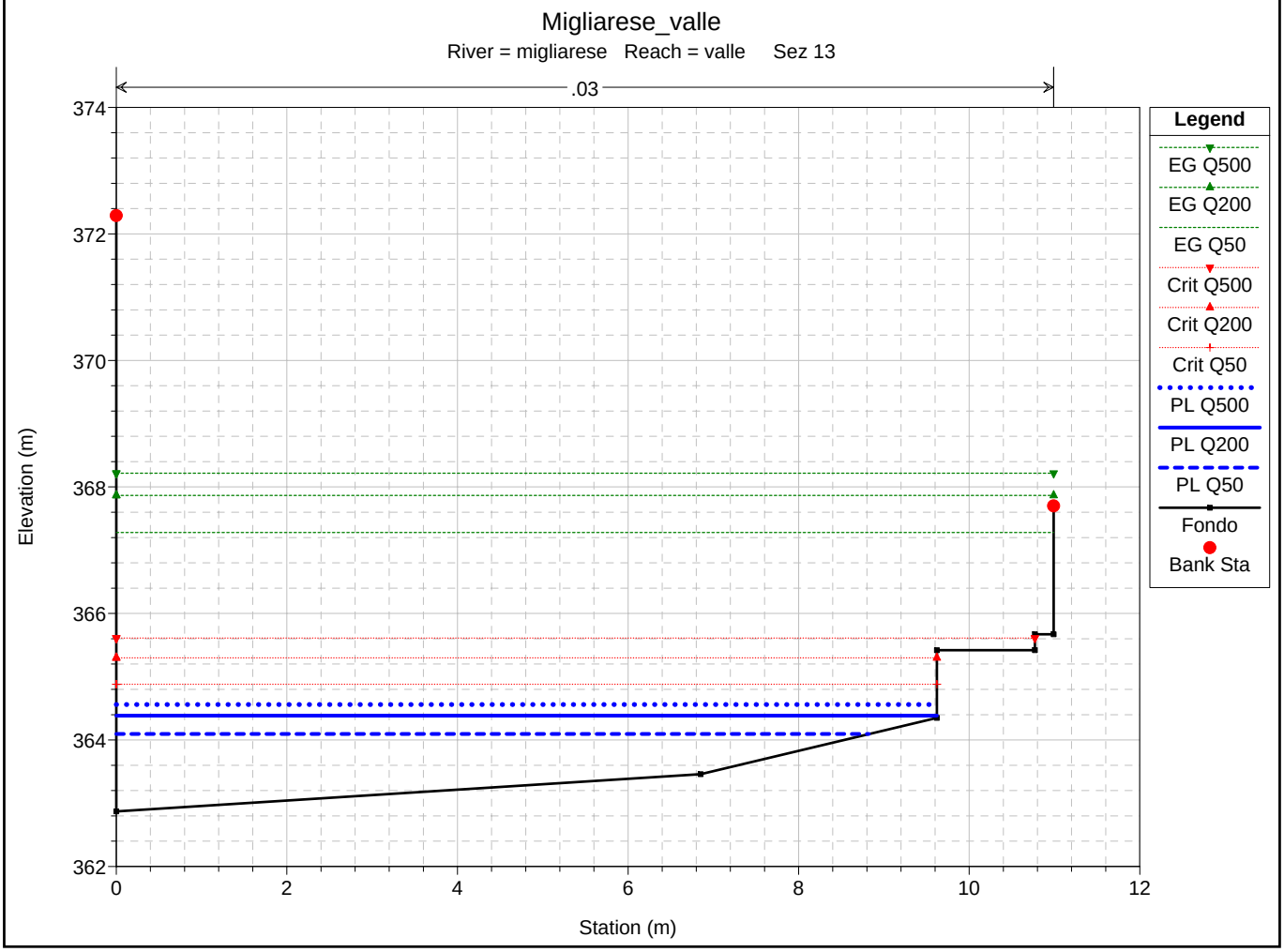

Migliarese_monte
River = migliarese Reach = monte sez. 15
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

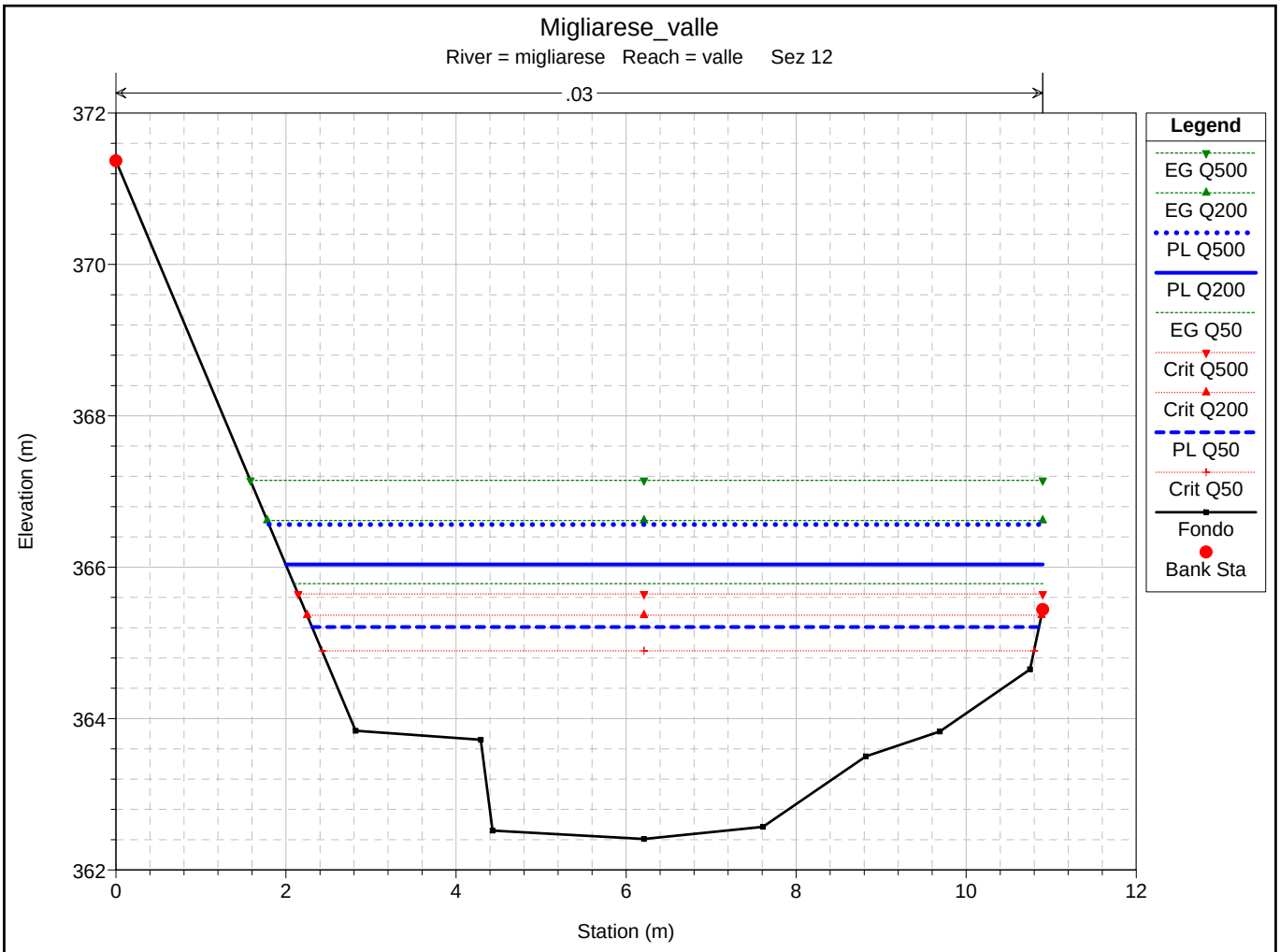

Migliarese_monte
River = migliarese Reach = monte sez. 14.1
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

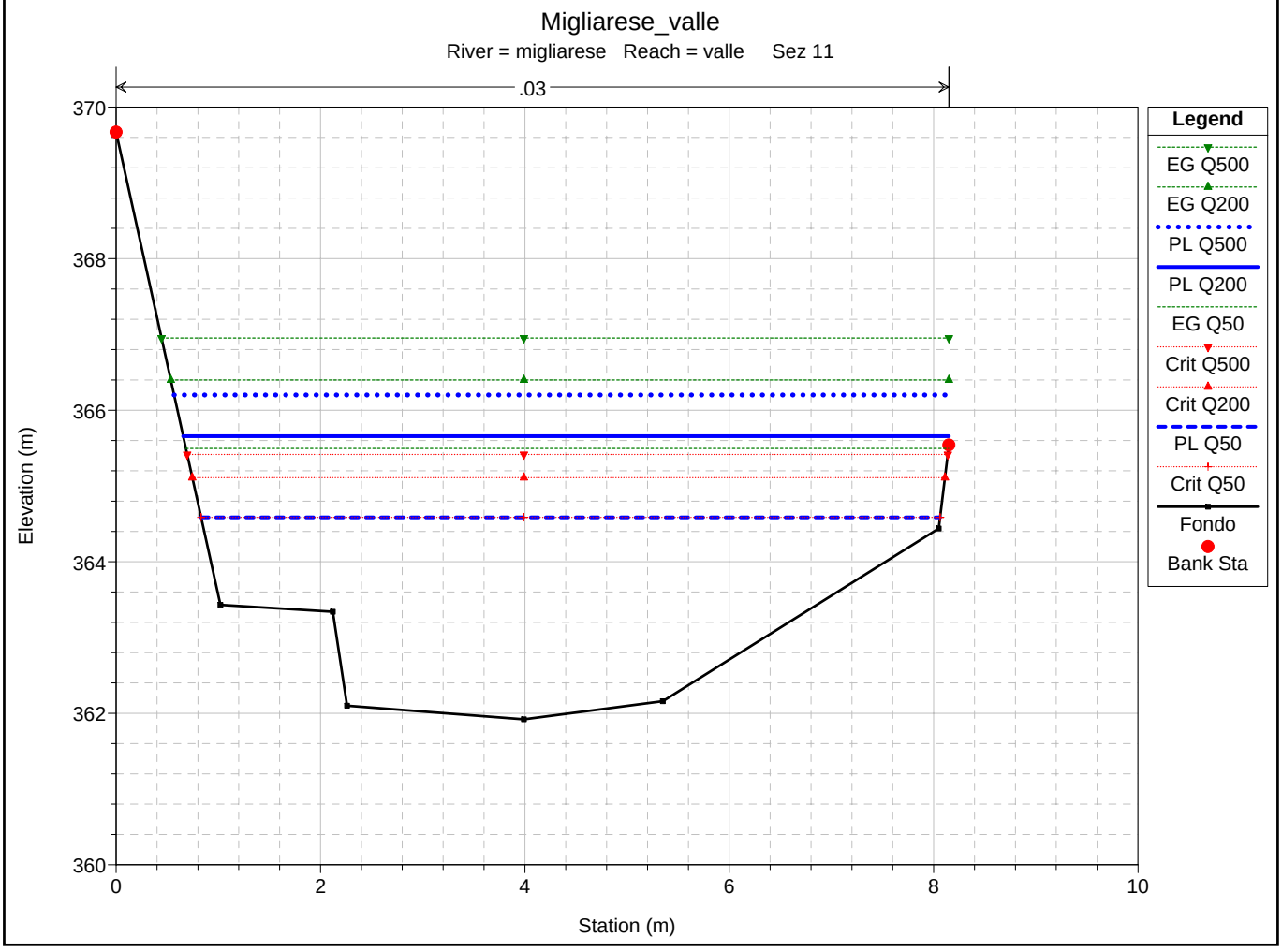

Migliarese_valle
River = migliarese Reach = valle
.03
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
373
372
371
370
369
368
367
366
365
0
2
4
6
8
10
12

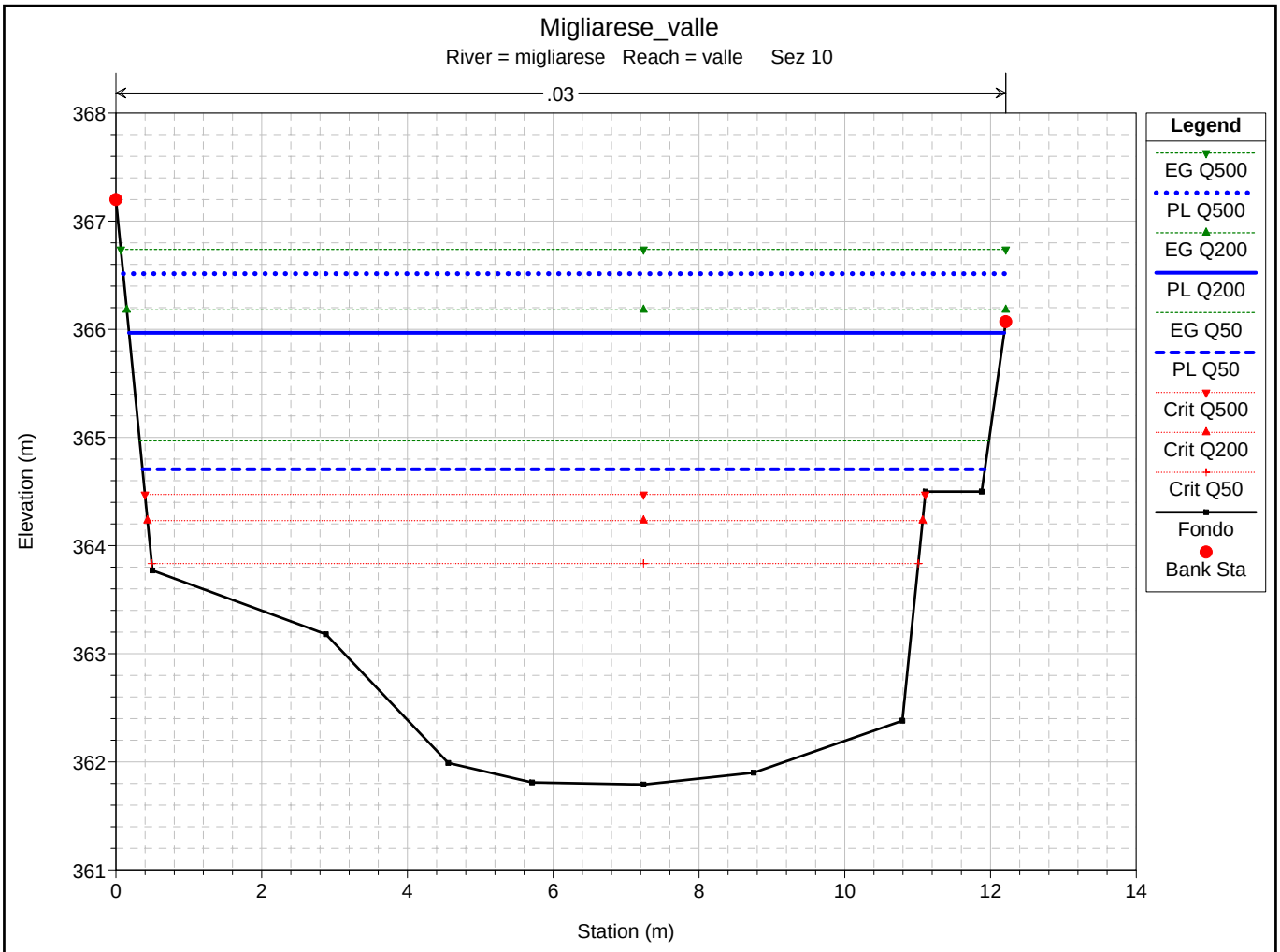

Migliarese_valle
River = migliarese Reach = valle Sez 14
.03
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
374
372
370
368
366
364
0
2
4
6
8
10
12

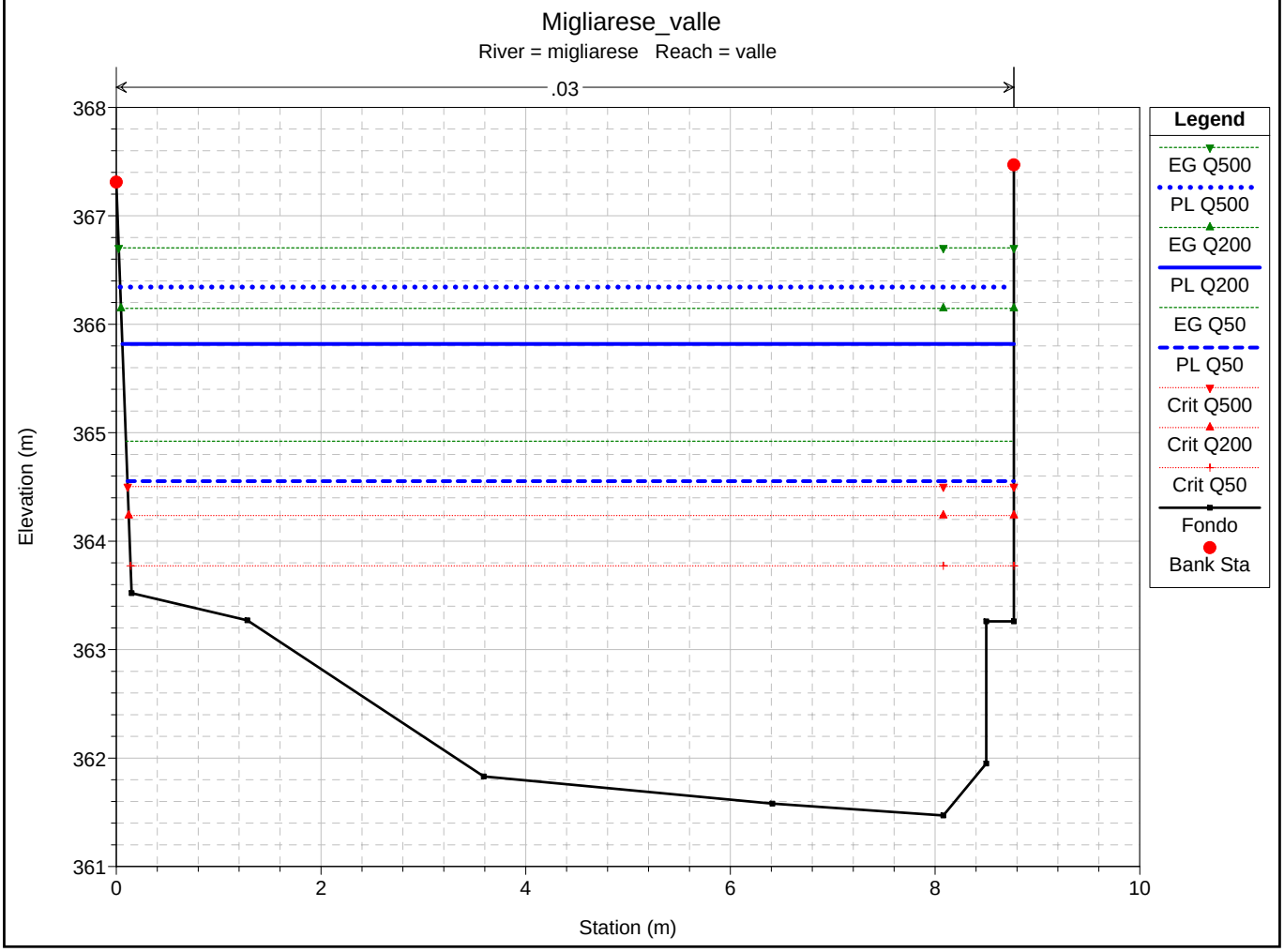

Migliarese_valle
River = migliarese Reach = valle
.03
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
374
372
370
368
366
364
0
2
4
6
8
10
12

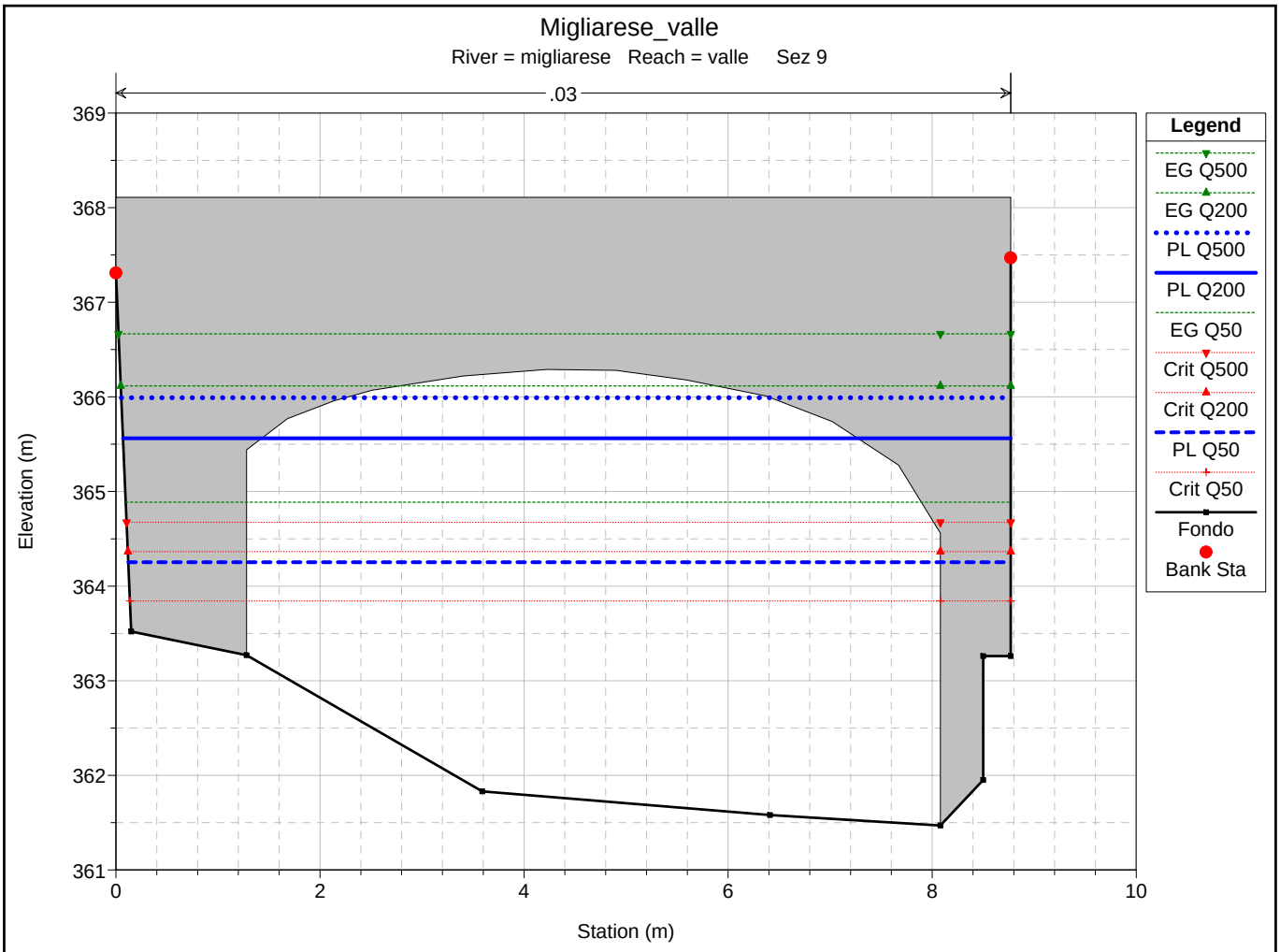

Migliarese_valle
River = migliarese Reach = valle Sez 13
.03
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
374
372
370
368
366
364
362
0
2
4
6
8
10
12

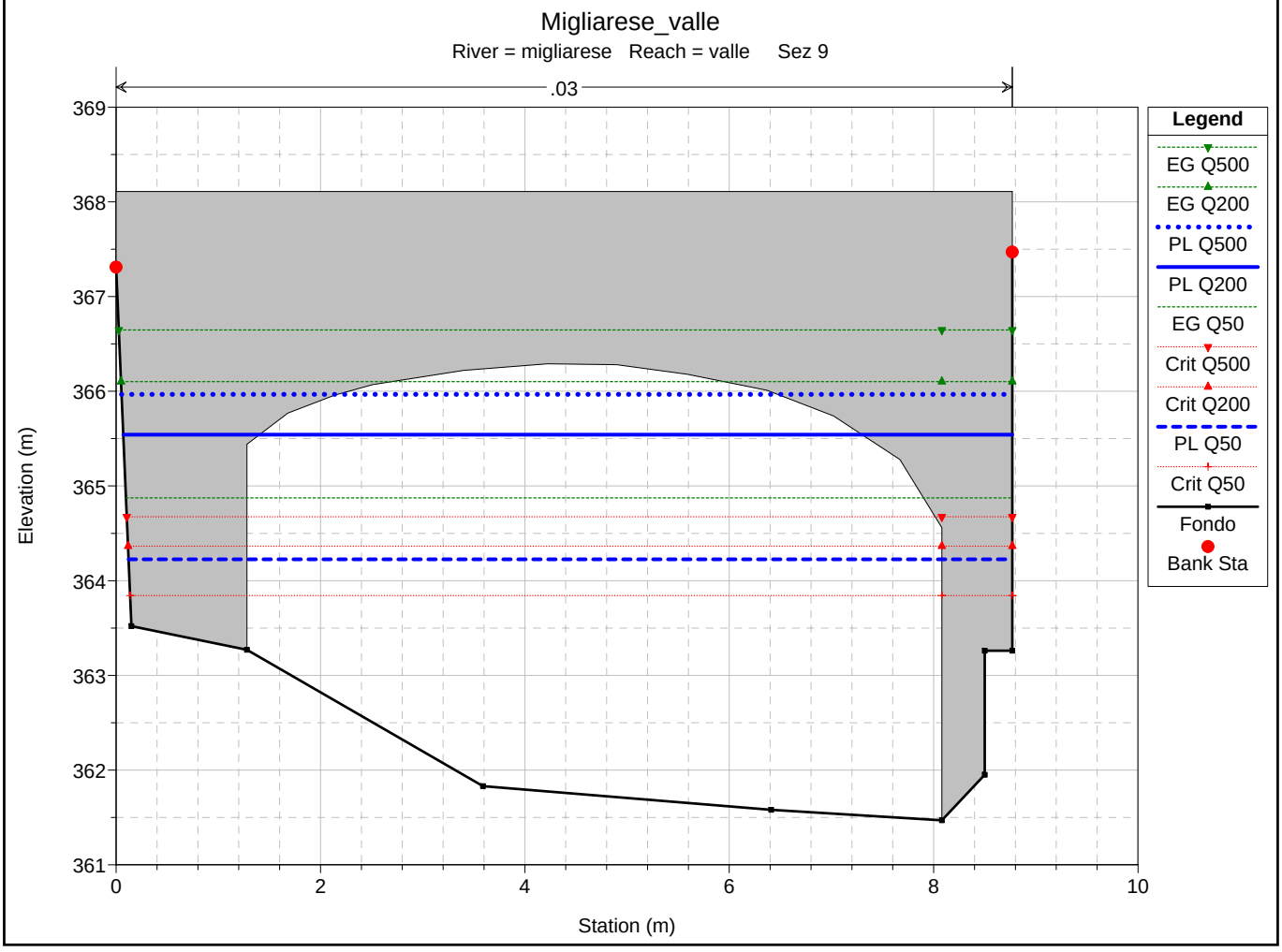

Migliarese_valle
River = migliarese Reach = valle Sez 12
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

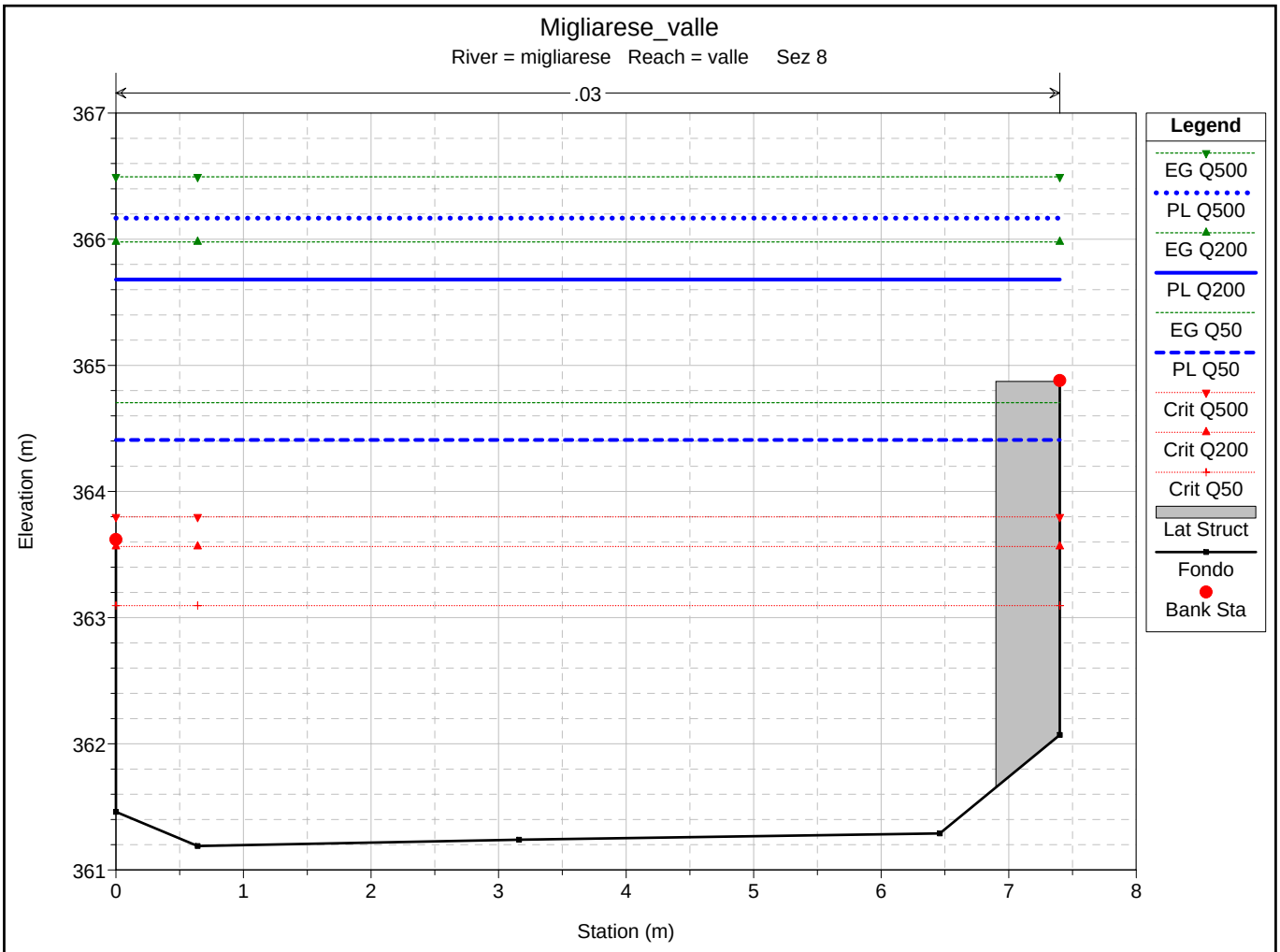

Migliarese_valle
River = migliarese Reach = valle Sez 11
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

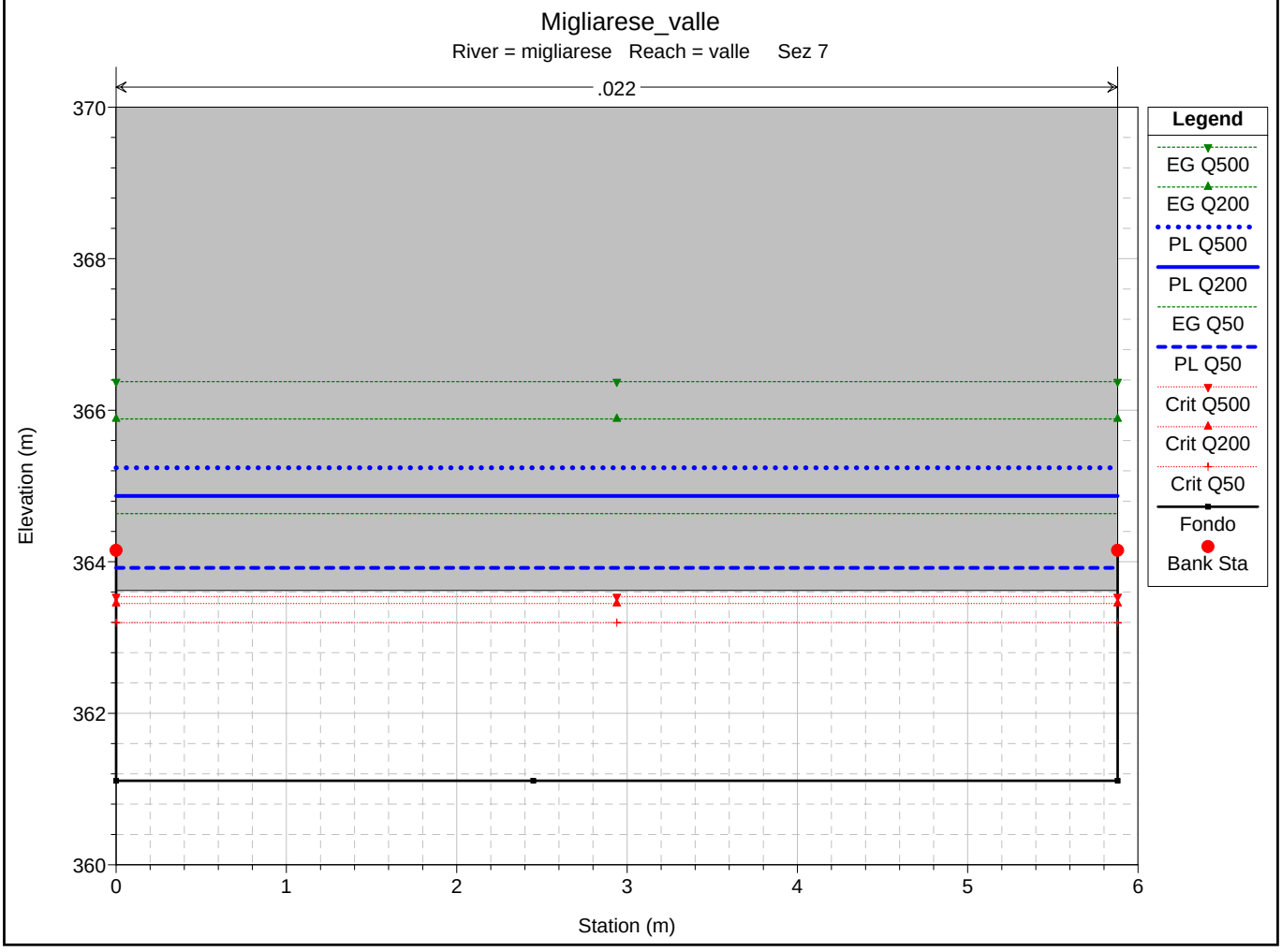

Migliarese_valle
River = migliarese Reach = valle Sez 10
.03
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

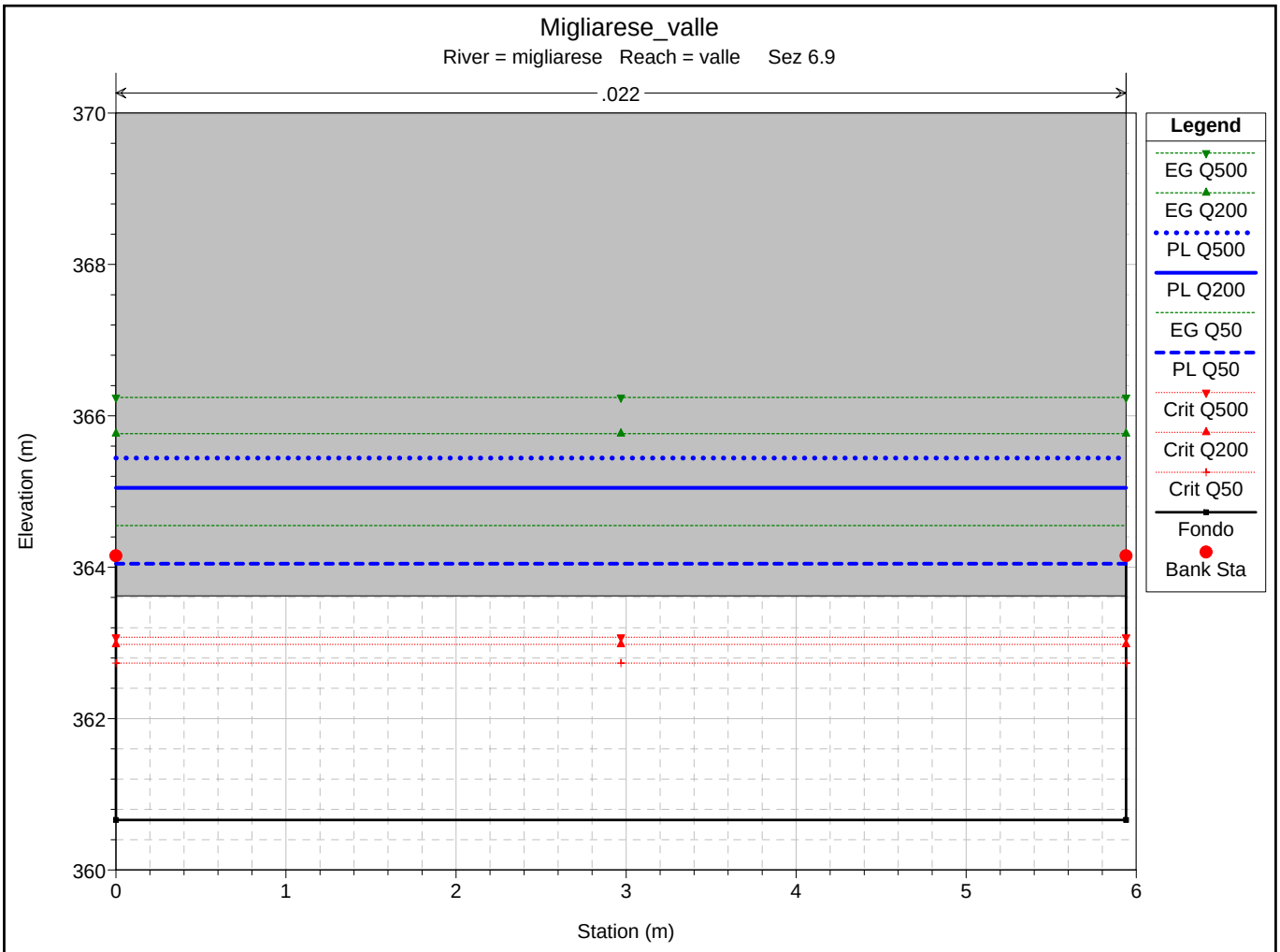

Migliarese_valle
River = migliarese Reach = valle
.03
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

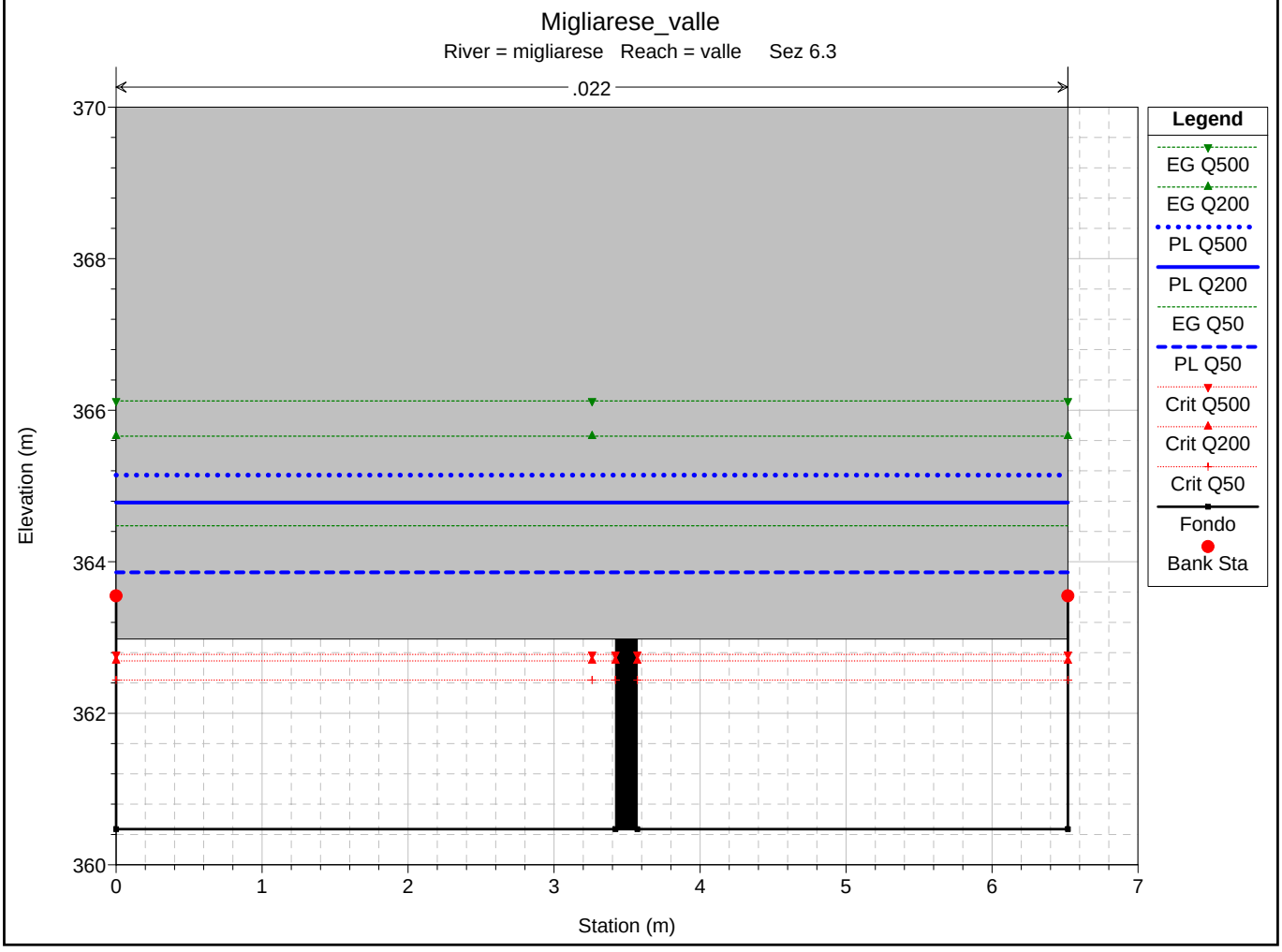

Migliarese_valle
River = migliarese Reach = valle Sez 9
.03
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
369
368
367
366
365
364
363
362
361
0
2
4
6
8
10

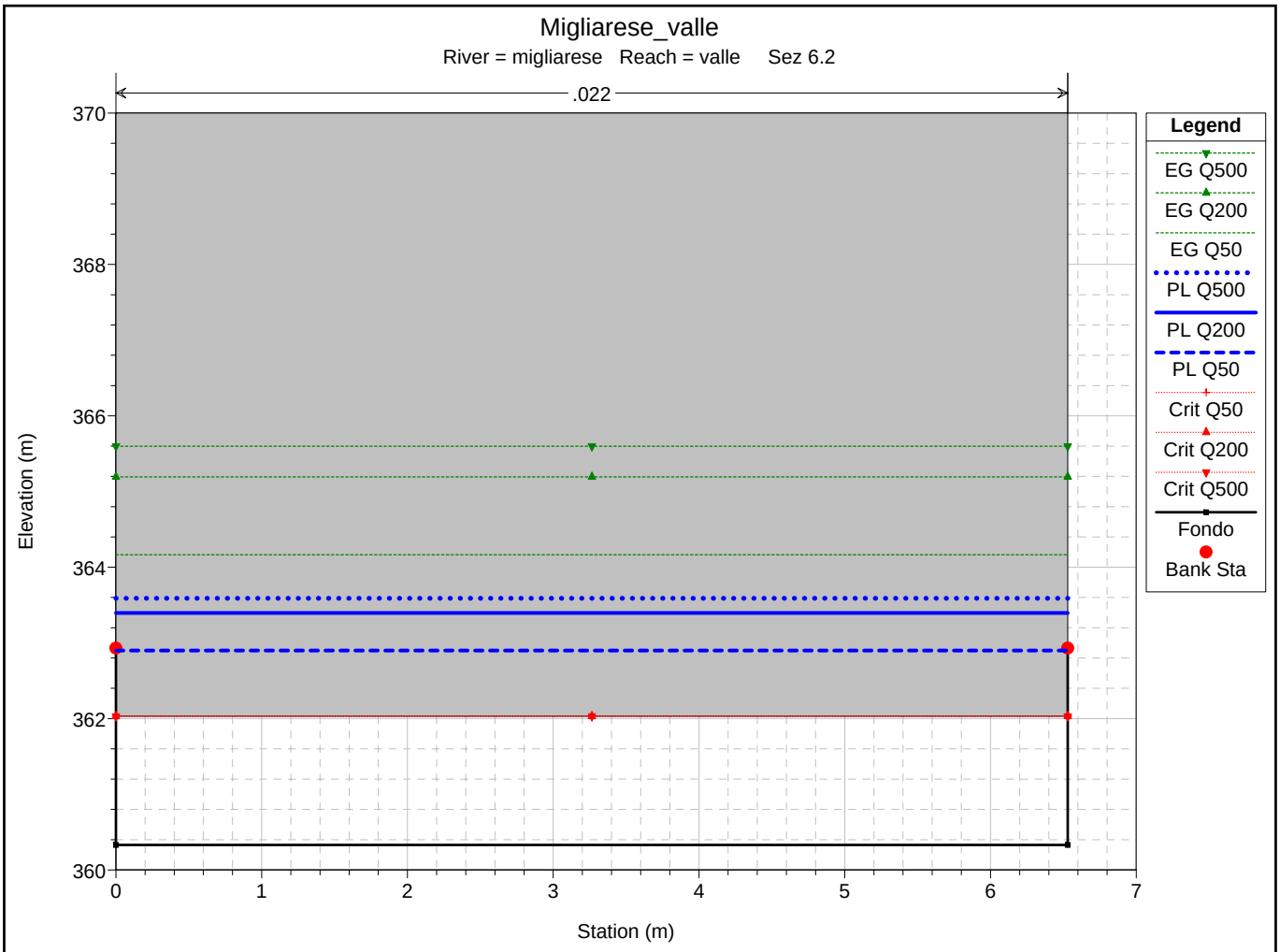

Migliarese_valle
River = migliarese Reach = valle Sez 9
.03
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
369
368
367
366
365
364
363
362
361
0
2
4
6
8
10

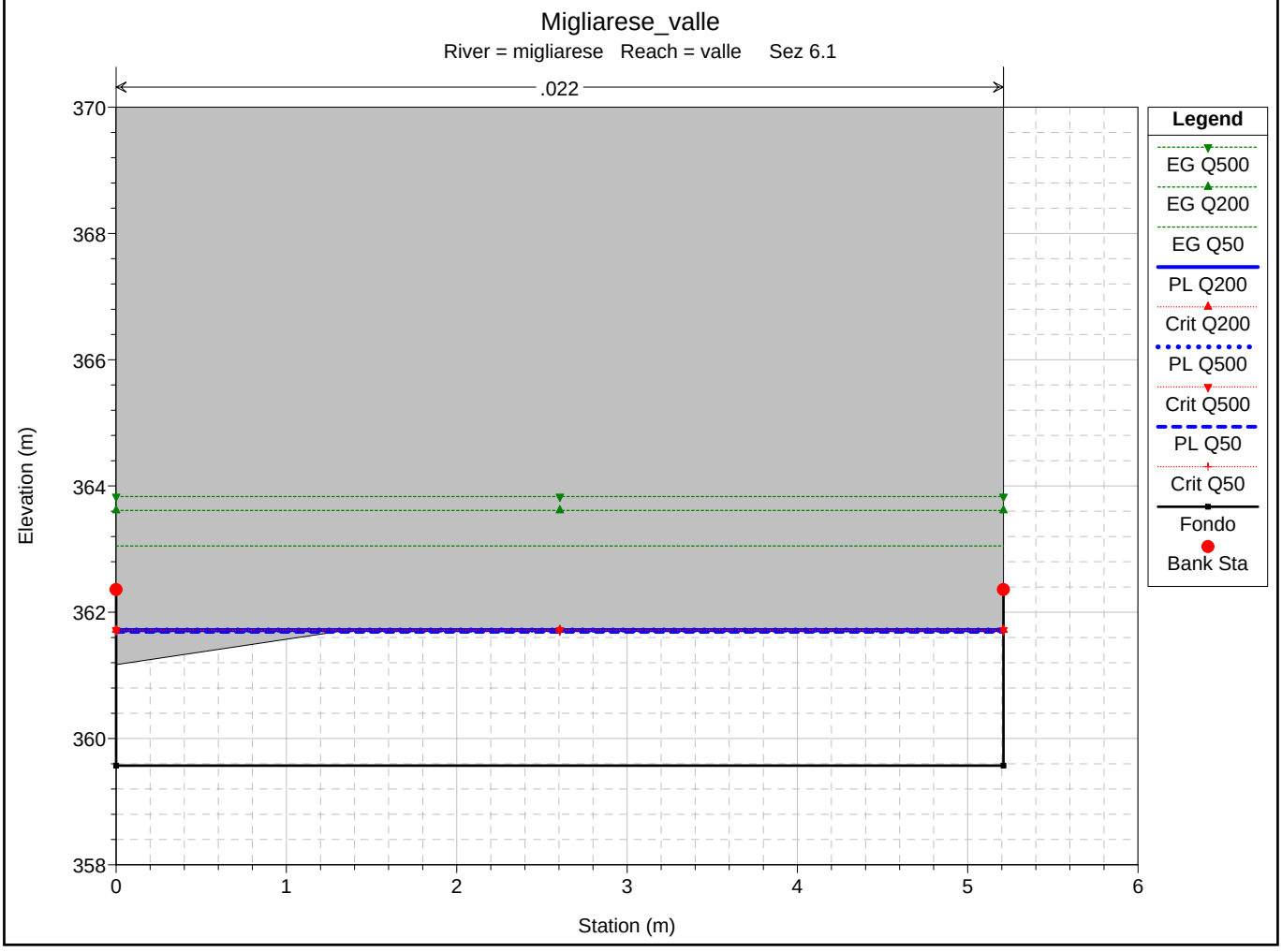

Migliarese_valle
River = migliarese Reach = valle Sez 8
.03
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Lat Struct
Fondo
Bank Sta
Elevation (m)
Station (m)
367
366
365
364
363
362
361
0
1
2
3
4
5
6
7
8

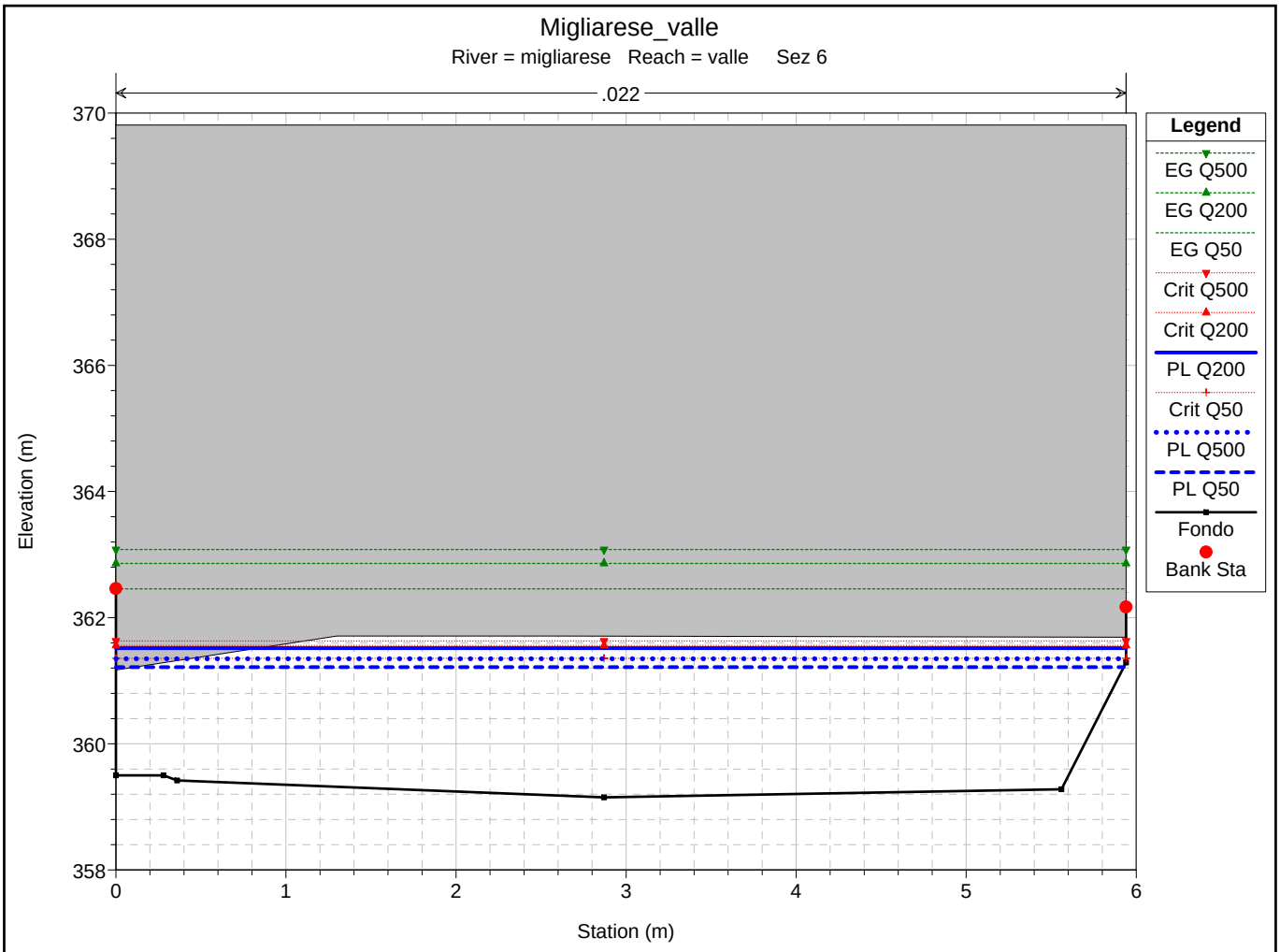

Migliarese_valle
River = migliarese Reach = valle Sez 7
.022
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
370
368
366
364
362
360
0
1
2
3
4
5
6

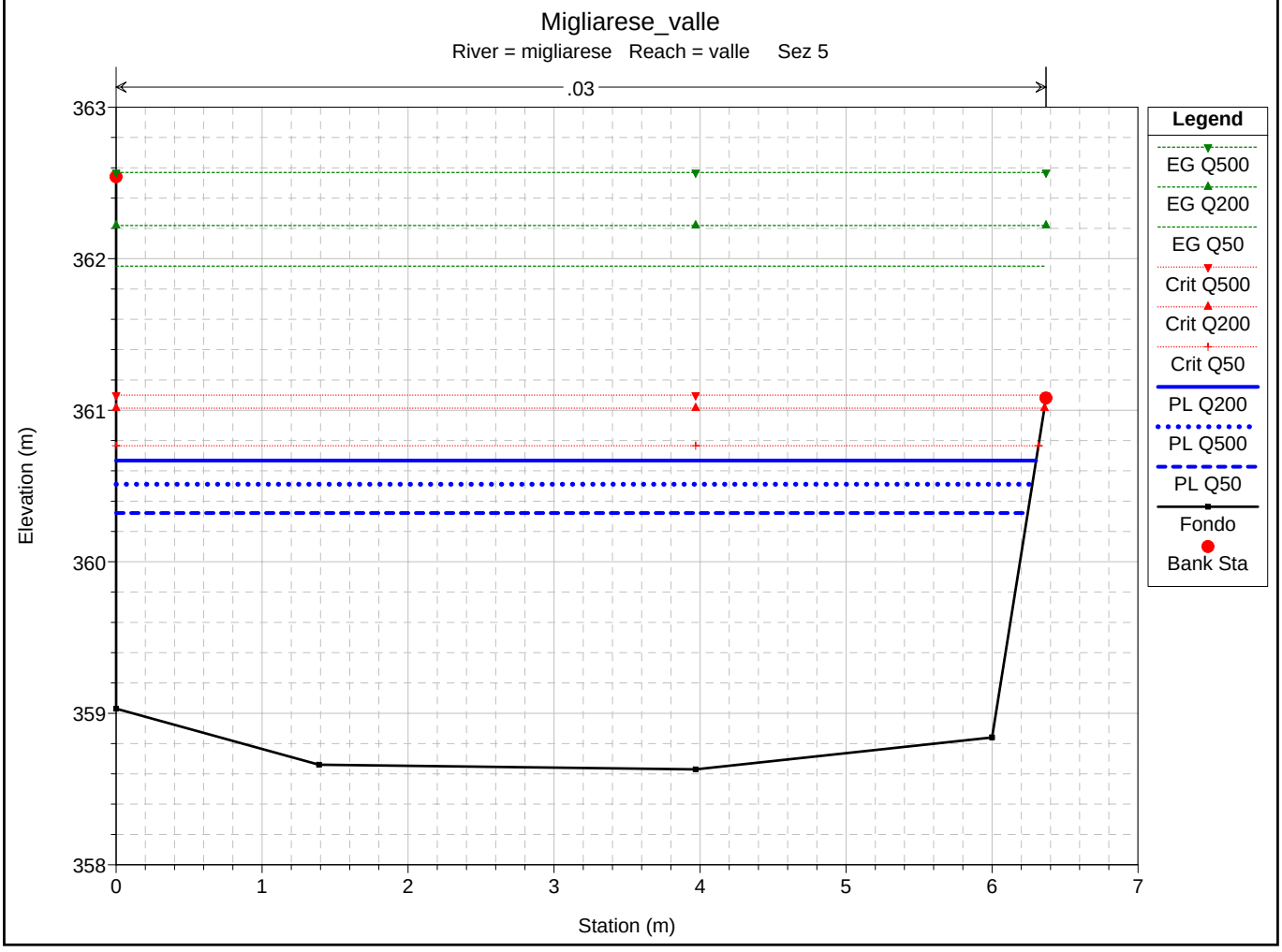

Migliarese_valle
River = migliarese Reach = valle Sez 6.9
.022
Elevation (m)
370
368
366
364
362
360
0
1
2
3
4
5
6
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Migliarese_valle
River = migliarese Reach = valle Sez 6.3
.022
Elevation (m)
370
368
366
364
362
360
0
1
2
3
4
5
6
7
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Migliarese_valle
River = migliarese Reach = valle Sez 6.2
.022
Elevation (m)
370
368
366
364
362
360
0
1
2
3
4
5
6
7
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Crit Q50
Crit Q200
Crit Q500
Fondo
Bank Sta

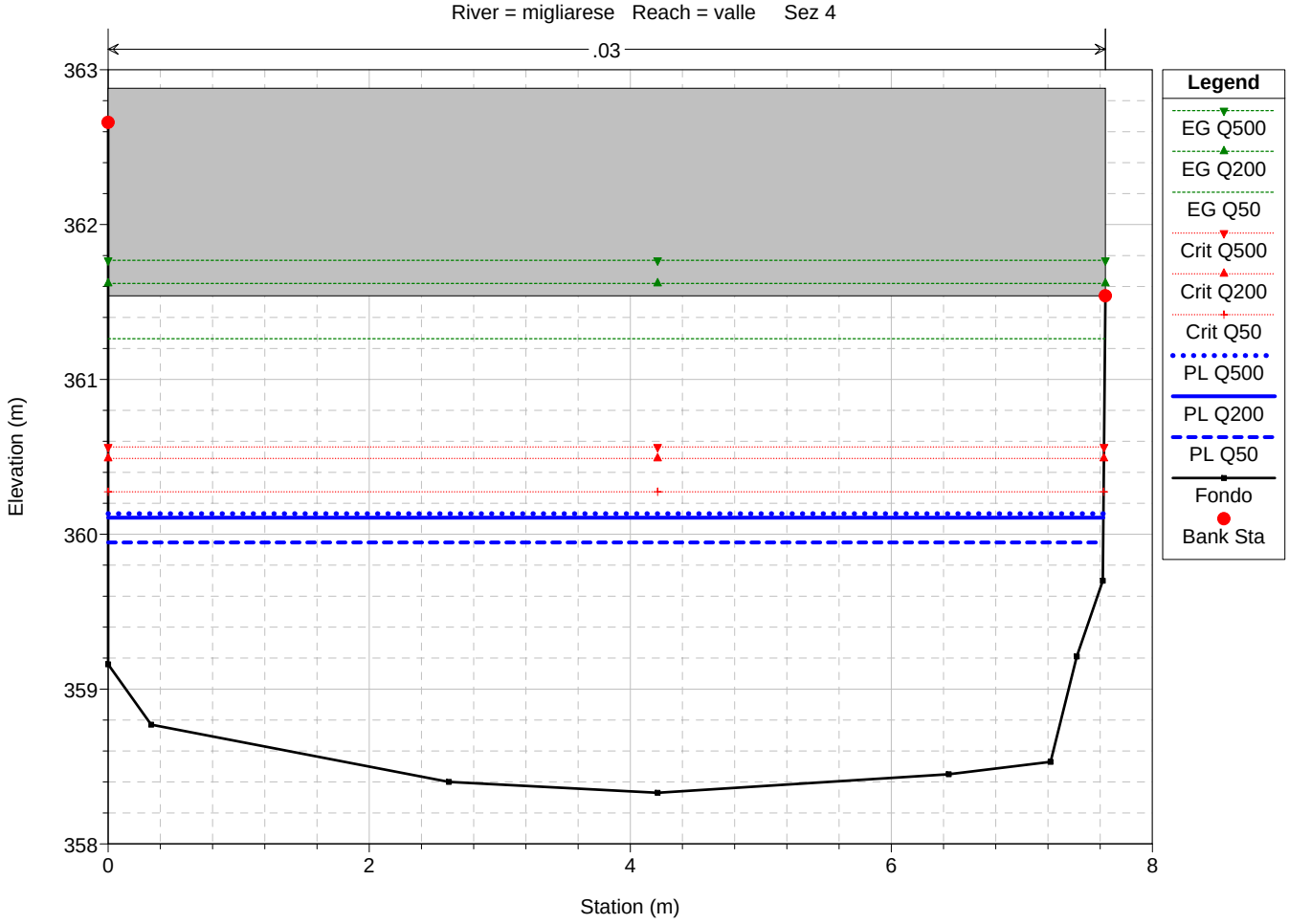

Migliarese_valle
River = migliarese Reach = valle Sez 6.1
.022
Elevation (m)
370
368
366
364
362
360
358
0
1
2
3
4
5
6
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q200
Crit Q200
PL Q500
Crit Q500
PL Q50
Crit Q50
Fondo
Bank Sta


Migliarese_valle
River = migliarese Reach = valle Sez 6
.022
Elevation (m)
370
368
366
364
362
360
358
0
1
2
3
4
5
6
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q200
Crit Q50
PL Q500
PL Q50
Fondo
Bank Sta


Migliarese_valle
River = migliarese Reach = valle Sez 5
.03
Elevation (m)
363
362
361
360
359
358
0
1
2
3
4
5
6
7
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q200
PL Q500
PL Q50
Fondo
Bank Sta

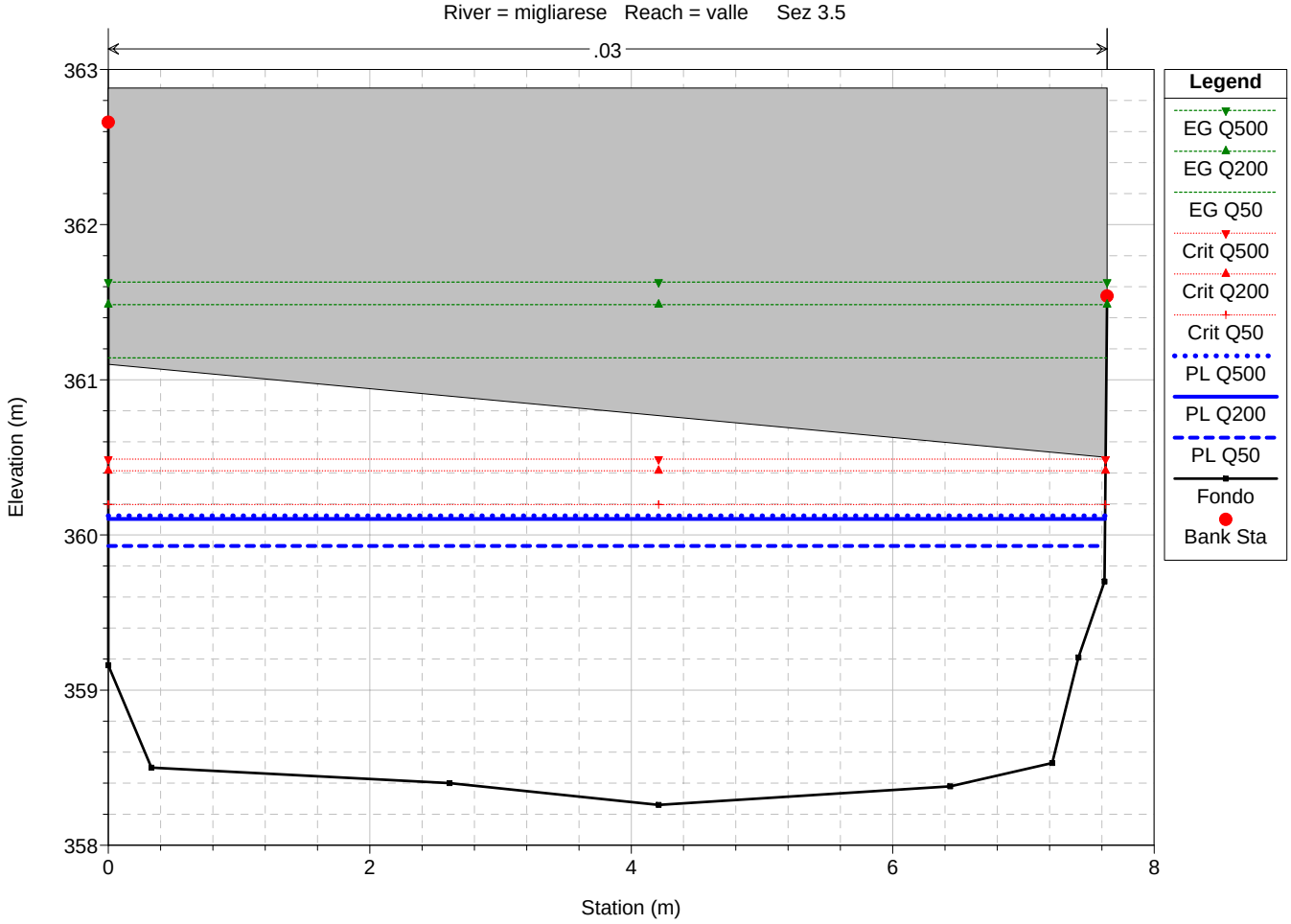
Migliarese_valle

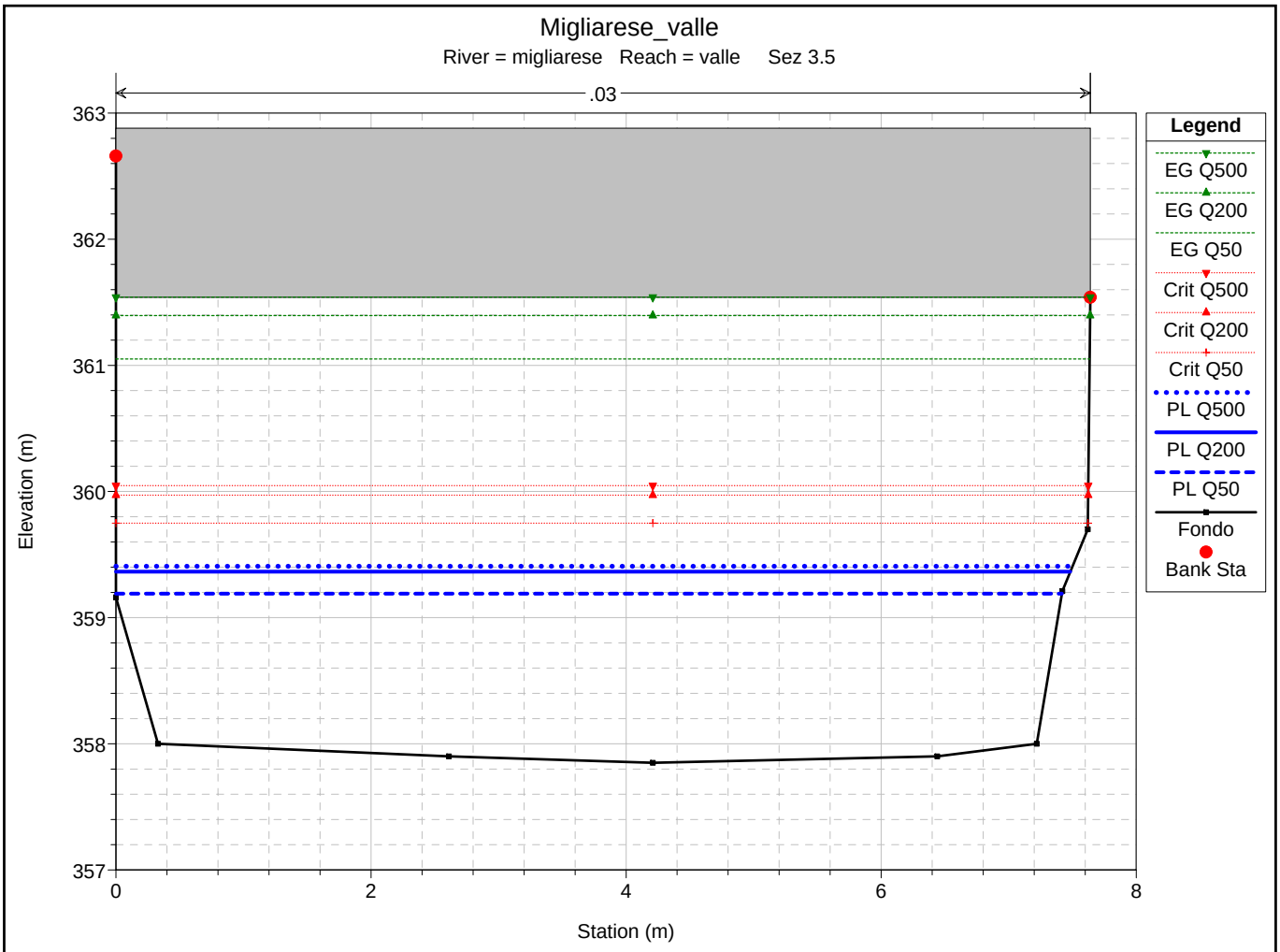
River = migliarese Reach = valle Sez 4

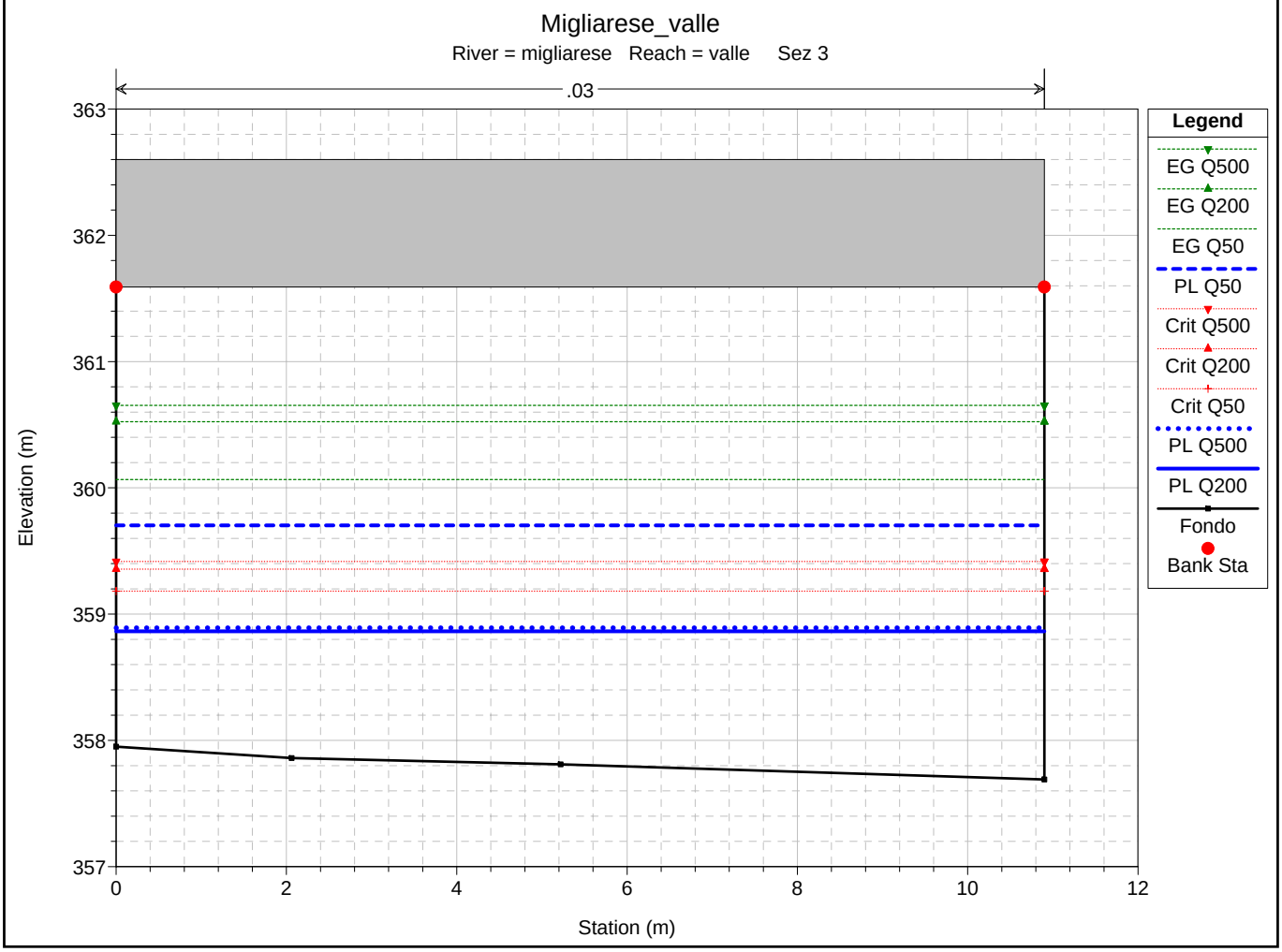


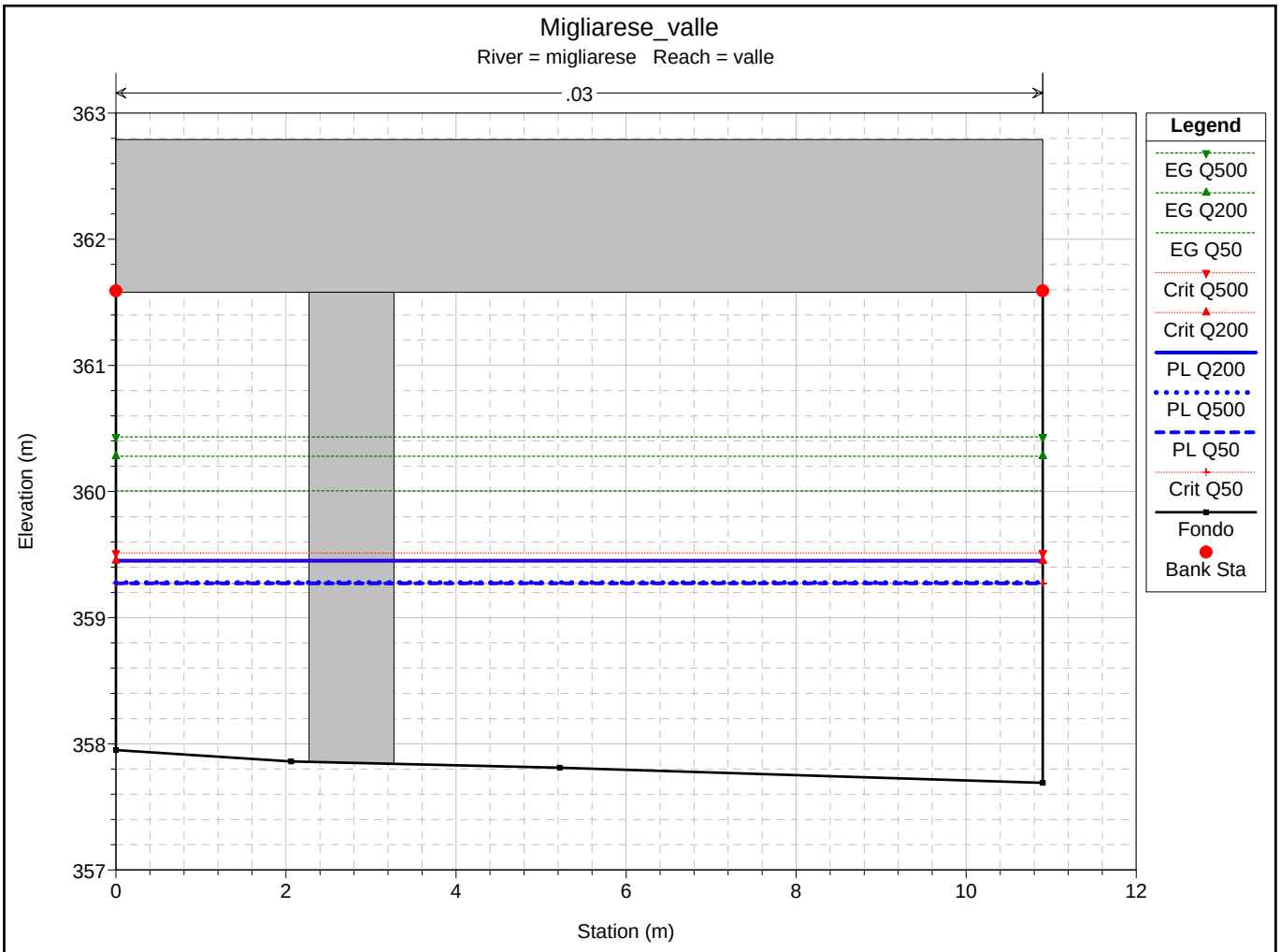
Migliarese_valle

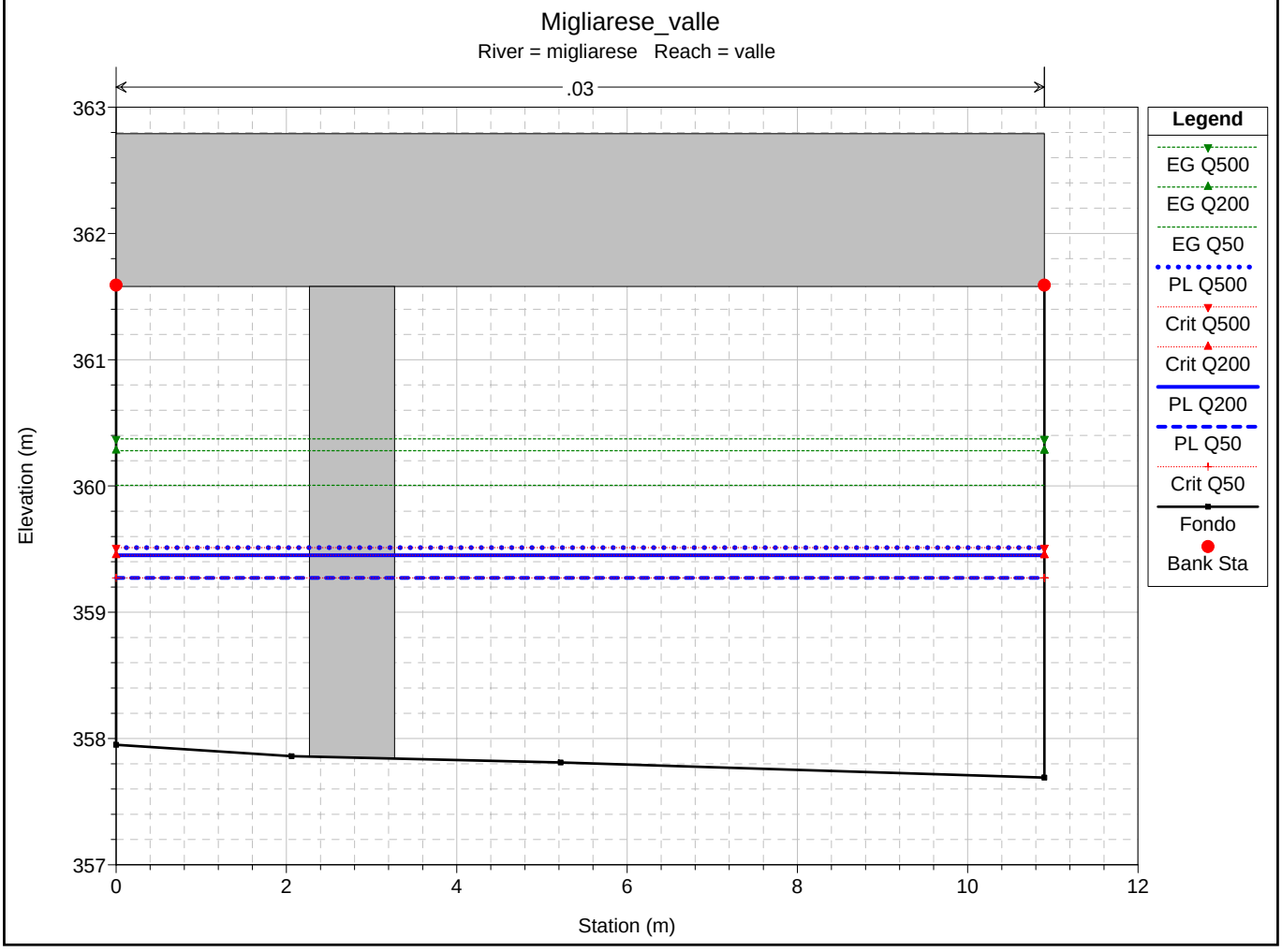
River = migliarese Reach = valle Sez 3.5

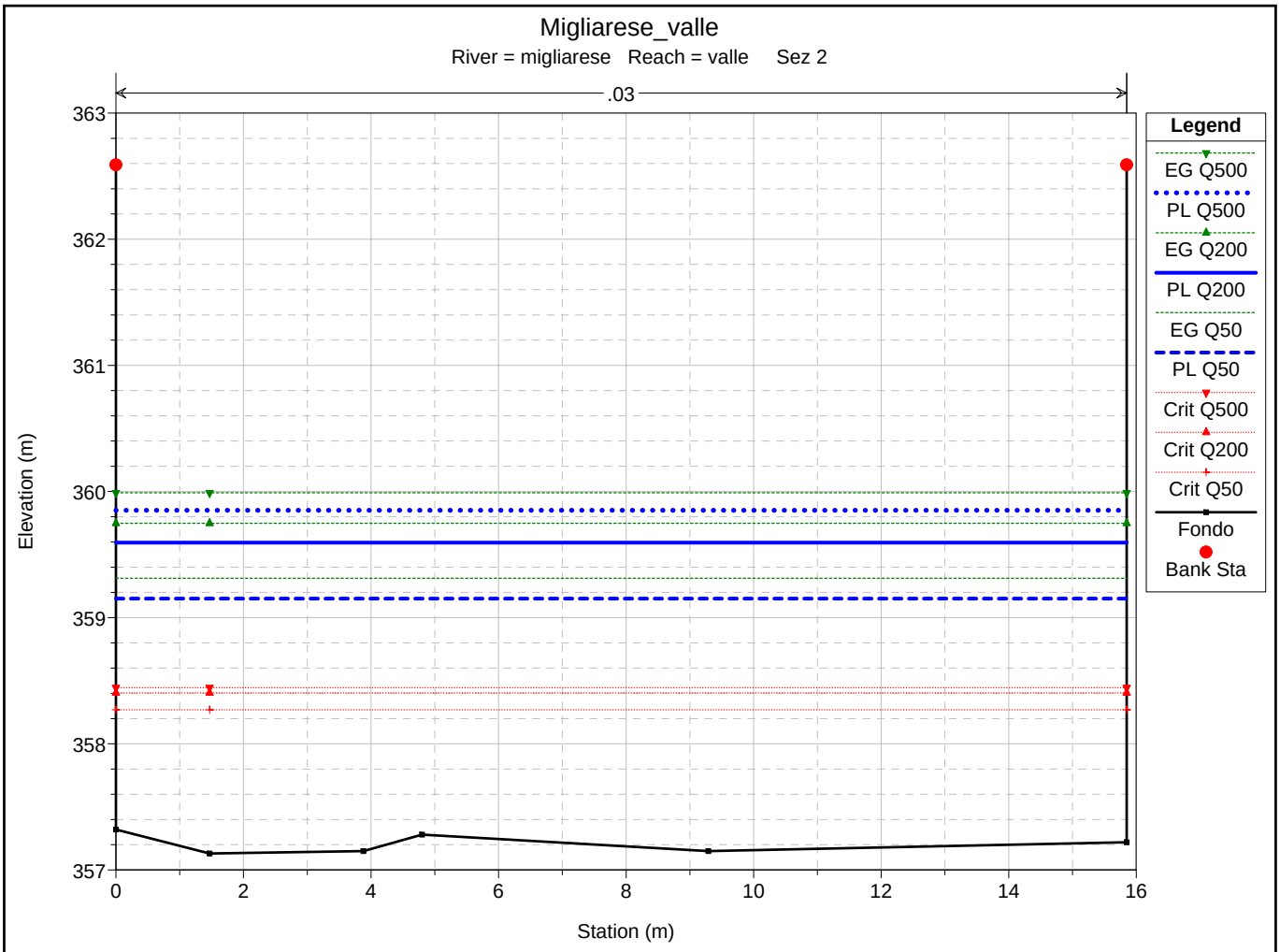


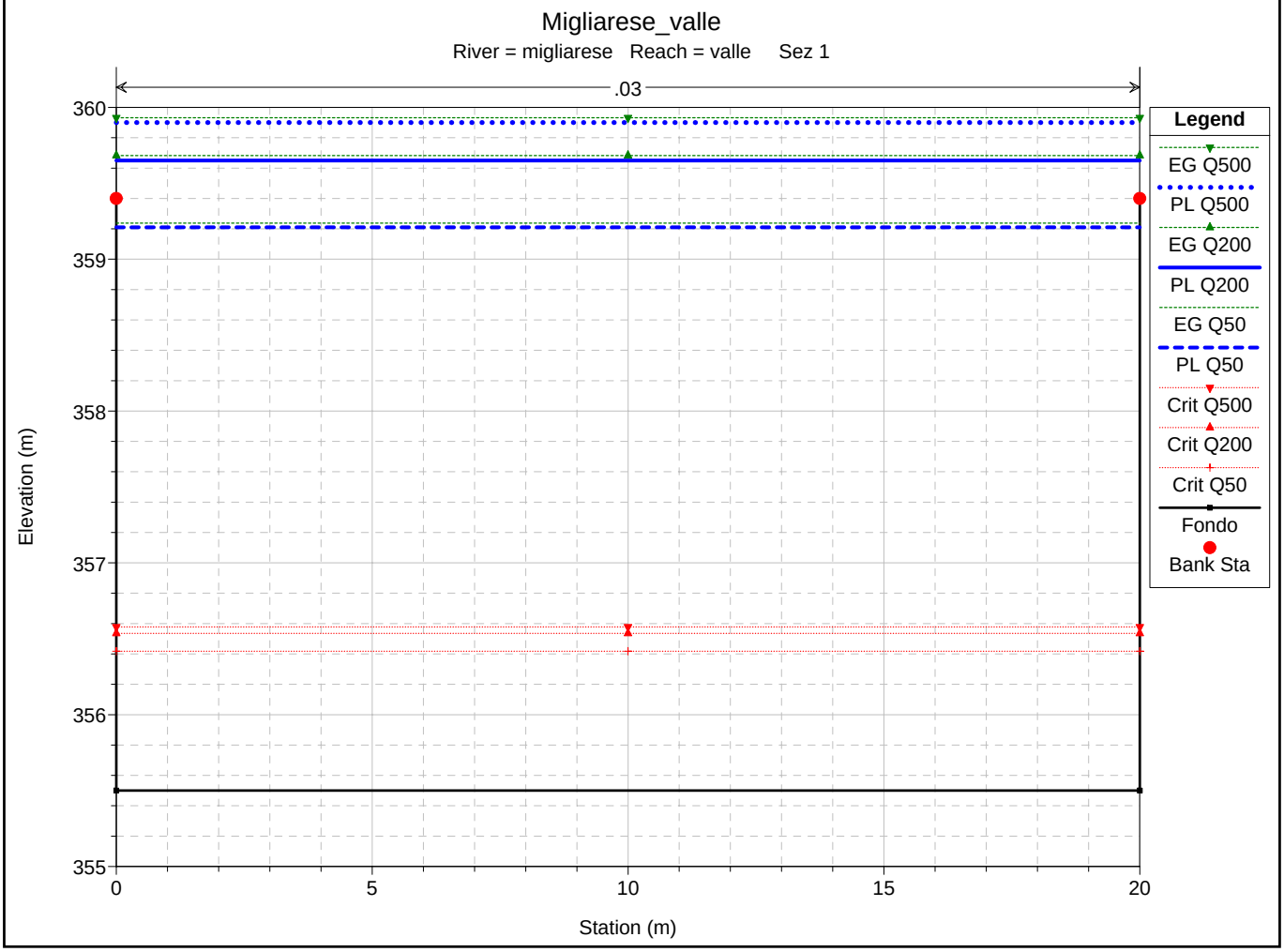

Migliarese_valle
River = migliarese Reach = valle Sez 3.5
.03
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
363
362
361
360
359
358
357
0
2
4
6
8


Migliarese_valle
River = migliarese Reach = valle Sez 3
.03
Legend
EG Q500
EG Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
Fondo
Bank Sta
Elevation (m)
Station (m)
363
362
361
360
359
358
357
0
2
4
6
8
10
12


Migliarese_valle
River = migliarese Reach = valle
.03
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q200
PL Q500
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
363
362
361
360
359
358
357
0
2
4
6
8
10
12


Migliarese_valle
River = migliarese Reach = valle
.03
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
363
362
361
360
359
358
357
0
2
4
6
8
10
12


Migliarese_valle
River = migliarese Reach = valle Sez 2
.03
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
363
362
361
360
359
358
357
0
2
4
6
8
10
12
14
16


Migliarese_valle
River = migliarese Reach = valle Sez 1
.03
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
360
359
358
357
356
355
0
5
10
15
20

HEC-RAS Plan: 02_Feb_08 River: migliarese Reach: monte

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
monte	28.1 sez.28	Q50	55.30	375.59	377.62	377.72	0.10	378.19	0.57	377.62	378.31	0.009835	3.68	15.01	10.87	1.00
monte	28.1 sez.28	Q200	80.00	375.59	378.65	377.72	-0.93	378.19	-0.46	378.01	379.12	0.003900	3.05	26.25	10.99	0.63
monte	28.1 sez.28	Q500	96.30	375.59	378.86	377.72	-1.14	378.19	-0.67	378.24	379.44	0.004420	3.37	28.58	10.99	0.67
monte	28. sez.28	Q50	55.30	374.26	377.60	377.72	0.12	378.19	0.59	376.09	377.77	0.001197	1.81	30.59	10.87	0.34
monte	28. sez.28	Q200	80.00	374.26	378.86	377.72	-1.14	378.19	-0.67	376.51	379.02	0.000885	1.80	44.39	10.99	0.29
monte	28. sez.28	Q500	96.30	374.26	379.11	377.72	-1.39	378.19	-0.92	376.75	379.32	0.001087	2.04	47.17	10.99	0.31
monte	27.5 sez. 27	Q50	55.30	374.50	377.52	377.53	0.01	377.53	0.01	376.31	377.75	0.001927	2.14	25.84	9.67	0.42
monte	27.5 sez. 27	Q200	80.00	374.50	378.79	377.53	-1.26	377.53	-1.26	376.75	379.01	0.001366	2.10	38.12	9.67	0.34
monte	27.5 sez. 27	Q500	96.30	374.50	379.02	377.53	-1.49	377.53	-1.49	377.00	379.31	0.001697	2.39	40.34	9.67	0.37
monte	27.2		Bridge													
monte	27. sez. 27	Q50	55.30	374.50	377.11	377.53	0.42	377.53	0.42	376.31	377.43	0.003095	2.53	21.90	9.58	0.53
monte	27. sez. 27	Q200	80.00	374.50	378.35	377.53	-0.82	377.53	-0.82	376.75	378.63	0.001892	2.36	33.85	9.67	0.40
monte	27. sez. 27	Q500	96.30	374.50	378.42	377.53	-0.89	377.53	-0.89	377.00	378.82	0.002585	2.79	34.58	9.67	0.47
monte	26.5 sez. 26	Q50	55.30	374.00	376.72	377.40	0.68	377.40	0.68	376.37	377.34	0.007016	3.50	15.79	7.44	0.77
monte	26.5 sez. 26	Q200	80.00	374.00	378.10	377.40	-0.70	377.40	-0.70	376.88	378.58	0.003658	3.06	26.16	7.53	0.52
monte	26.5 sez. 26	Q500	96.30	374.00	378.00	377.40	-0.60	377.40	-0.60	377.19	378.73	0.005717	3.79	25.43	7.53	0.66
monte	26.2		Bridge													
monte	26. sez. 26	Q50	55.30	374.00	376.37	377.40	1.03	377.40	1.03	376.37	377.26	0.011719	4.19	13.19	7.37	1.00
monte	26. sez. 26	Q200	80.00	374.00	376.92	377.40	0.48	377.40	0.48	376.88	378.01	0.011433	4.64	17.26	7.48	0.97
monte	26. sez. 26	Q500	96.30	374.00	377.29	377.40	0.11	377.40	0.11	377.19	378.46	0.010847	4.79	20.10	7.53	0.94
monte	25 sez. 25	Q50	55.30	373.00	375.28	375.51	0.23	376.27	0.99	375.28	376.25	0.012081	4.37	12.65	6.47	1.00
monte	25 sez. 25	Q200	80.00	373.00	375.83	375.51	-0.32	376.27	0.44	375.83	377.07	0.012697	4.93	16.24	6.53	1.00
monte	25 sez. 25	Q500	96.30	373.00	376.79	375.51	-1.28	376.27	-0.52	376.17	377.72	0.007655	4.27	22.56	6.58	0.74
monte	24.1 sez. 24	Q50	55.30	372.99	374.79	375.41	0.62	375.41	0.62	375.05	375.96	0.017244	4.79	11.54	7.32	1.22
monte	24.1 sez. 24	Q200	80.00	372.99	375.14	375.41	0.27	375.41	0.27	375.41	376.75	0.020539	5.63	14.22	7.98	1.35
monte	24.1 sez. 24	Q500	96.30	372.99	376.64	375.41	-1.23	375.41	-1.23	376.23	377.51	0.021388	4.15	23.21	8.26	0.73
monte	24 sez. 24	Q50	55.30	372.99	374.80	375.41	0.61	375.41	0.61	375.05	375.95	0.016773	4.74	11.66	7.36	1.20
monte	24 sez. 24	Q200	80.00	372.99	375.28	375.41	0.13	375.41	0.13	375.41	376.66	0.016482	5.21	15.34	8.01	1.20
monte	24 sez. 24	Q500	96.30	372.99	376.23	375.41	-0.82	375.41	-0.82	376.23	377.43	0.034536	4.84	19.88	8.25	0.91
monte	23.1 sez. 23	Q50	55.30	373.11	374.66	376.48	1.82	375.77	1.10	374.95	375.91	0.019440	4.95	11.17	7.65	1.31
monte	23.1 sez. 23	Q200	80.00	373.11	375.14	376.48	1.34	375.77	0.63	375.45	376.63	0.017964	5.41	14.79	7.71	1.25
monte	23.1 sez. 23	Q500	96.30	373.11	375.14	376.48	1.34	375.77	0.63	375.74	377.29	0.025782	6.49	14.84	7.71	1.49
monte	23 sez. 23	Q50	55.30	369.91	374.39	376.48	2.09	375.77	1.38	372.92	374.69	0.002687	2.39	23.11	7.62	0.44
monte	23 sez. 23	Q200	80.00	369.91	375.76	376.48	0.72	375.77	0.01	373.59	376.05	0.002033	2.38	33.66	7.78	0.36
monte	23 sez. 23	Q500	96.30	369.91	376.32	376.48	0.16	375.77	-0.55	373.89	376.65	0.002140	2.53	38.01	7.78	0.37
monte	22 sez. 22	Q50	55.30	370.50	373.92	373.22	-0.70	373.22	-0.70	372.87	374.56	0.013692	3.55	15.56		0.67
monte	22 sez. 22	Q200	80.00	370.50	375.57	373.22	-2.35	373.22	-2.35	374.18	375.97	0.007219	2.81	28.49	8.40	0.42
monte	22 sez. 22	Q500	96.30	370.50	376.14	373.22	-2.92	373.22	-2.92	374.49	376.57	0.006551	2.89	33.30	8.43	0.41
monte	21.2 sez. 21	Q50	55.30	370.41	373.82	373.22	-0.60	373.22	-0.60	372.78	374.41	0.012136	3.41	16.22		0.65

HEC-RAS Plan: 02_Feb_08 River: migliarese Reach: monte (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
monte	21.2 sez. 21	Q200	80.00	370.41	375.49	373.22	-2.27	373.22	-2.27	374.09	375.89	0.007212	2.80	28.55	8.41	0.42
monte	21.2 sez. 21	Q500	96.30	370.41	376.07	373.22	-2.85	373.22	-2.85	374.40	376.49	0.006507	2.88	33.43	8.43	0.41
monte	21.1 sez. 21	Q50	55.30	370.41	373.51	372.48	-1.03	372.48	-1.03	372.68	374.37	0.017860	4.11	13.46		0.77
monte	21.1 sez. 21	Q200	80.00	370.41	375.11	372.48	-2.63	372.48	-2.63	373.02	375.85	0.012841	3.81	20.98	5.50	0.57
monte	21.1 sez. 21	Q500	96.30	370.41	375.60	372.48	-3.12	372.48	-3.12	373.14	376.44	0.012396	4.06	23.70	5.50	0.58
monte	21 sez. 21	Q50	55.30	369.75	372.10	371.82	-0.28	371.82	-0.28	372.03	373.21	0.016335	4.65	11.90	4.58	1.00
monte	21 sez. 21	Q200	80.00	369.75	372.36	371.82	-0.54	371.82	-0.54	372.36	374.32	0.030861	6.20	12.91	3.26	1.27
monte	21 sez. 21	Q500	96.30	369.75	374.43	371.82	-2.61	371.82	-2.61	372.48	375.46	0.017478	4.51	21.37	5.50	0.68
monte	20.1 sez. 20	Q50	55.30	369.75	372.10	372.52	0.42	372.52	0.42	372.10	373.18	0.014887	4.62	11.98	5.50	1.00
monte	20.1 sez. 20	Q200	80.00	369.75	372.20	372.52	0.32	372.52	0.32	372.52	374.28	0.027574	6.39	12.53	5.50	1.35
monte	20.1 sez. 20	Q500	96.30	369.75	373.81	372.52	-1.29	372.52	-1.29	373.81	375.38	0.037486	5.55	17.35	5.50	0.90
monte	20 sez. 20	Q50	55.30	369.68	371.00	372.52	1.52	372.52	1.52	371.50	372.66	0.034364	5.70	9.70	9.29	1.78
monte	20 sez. 20	Q200	80.00	369.68	371.20	372.52	1.32	372.52	1.32	371.93	373.65	0.042493	6.94	11.53	9.34	1.99
monte	20 sez. 20	Q500	96.30	369.68	371.27	372.52	1.25	372.52	1.25	372.19	374.44	0.051748	7.89	12.21	9.36	2.21
monte	19.1 sez. 19	Q50	55.30	369.70	370.93	372.31	1.38	373.56	2.63	371.43	372.62	0.045514	5.75	9.62	12.03	2.05
monte	19.1 sez. 19	Q200	80.00	369.70	371.08	372.31	1.23	373.56	2.48	371.78	373.60	0.056133	7.03	11.38	12.08	2.31
monte	19.1 sez. 19	Q500	96.30	369.70	371.14	372.31	1.17	373.56	2.42	372.01	374.38	0.067468	7.98	12.07	12.10	2.55
monte	19 sez. 19	Q50	55.30	368.54	369.34	372.16	2.82	373.00	3.66	370.12	372.44	0.164470	7.80	7.09	8.91	2.79
monte	19 sez. 19	Q200	80.00	368.54	369.57	372.16	2.59	373.00	3.43	370.71	373.42	0.152846	8.69	9.20	8.91	2.73
monte	19 sez. 19	Q500	96.30	368.54	369.69	372.16	2.47	373.00	3.31	370.94	374.20	0.160022	9.41	10.23	8.91	2.80
monte	18.8	Q50	55.30	368.34	369.16	372.16	3.00	373.00	3.84	369.97	371.93	0.139497	7.37	7.51	9.21	2.60
monte	18.8	Q200	80.00	368.34	369.39	372.16	2.77	373.00	3.61	370.35	372.94	0.137040	8.36	9.57	9.25	2.62
monte	18.8	Q500	96.30	368.34	369.50	372.16	2.66	373.00	3.50	370.58	373.70	0.144856	9.08	10.61	9.28	2.71
monte	18.6 sez. 18	Q50	55.30	368.82	369.90	372.16	2.26	373.00	3.10	370.40	371.60	0.072767	5.78	9.57	10.49	1.93
monte	18.6 sez. 18	Q200	80.00	368.82	370.04	372.16	2.12	373.00	2.96	370.78	372.65	0.101805	7.15	11.19	11.40	2.30
monte	18.6 sez. 18	Q500	96.30	368.82	370.11	372.16	2.05	373.00	2.89	371.01	373.41	0.119762	8.05	11.96	11.40	2.51
monte	18.4 sez. 18	Q50	55.30	368.82	369.92	372.16	2.24	373.00	3.08	370.40	371.54	0.068792	5.63	9.82	10.72	1.88
monte	18.4 sez. 18	Q200	80.00	368.82	370.06	372.16	2.10	373.00	2.94	370.78	372.57	0.095910	7.01	11.40	11.40	2.24
monte	18.4 sez. 18	Q500	96.30	368.82	370.13	372.16	2.03	373.00	2.87	371.01	373.32	0.113701	7.92	12.16	11.40	2.45
monte	18.2	Q50	55.30	368.16	370.73	372.16	1.43	373.00	2.27	369.71	370.97	0.004089	2.17	25.46	11.40	0.46
monte	18.2	Q200	80.00	368.16	371.41	372.16	0.75	373.00	1.59	370.21	371.70	0.003929	2.41	33.22	11.40	0.45
monte	18.2	Q500	96.30	368.16	369.37	372.16	2.79	373.00	3.63	370.43	373.24	0.128297	8.72	11.04	9.26	2.55
monte	18	Q50	55.30	368.20	370.71	372.16	1.45	373.00	2.29	369.81	370.96	0.004307	2.25	24.57	11.55	0.49
monte	18	Q200	80.00	368.20	371.39	372.16	0.77	373.00	1.61	370.28	371.70	0.003984	2.46	32.49	11.55	0.47
monte	18	Q500	96.30	368.20	369.49	372.16	2.67	373.00	3.51	370.50	373.10	0.117383	8.43	11.42	10.22	2.55
monte	17.9 sez. 17	Q50	55.30	368.04	370.57	372.16	1.59	373.00	2.43	370.07	370.88	0.006904	2.47	22.43	12.95	0.60
monte	17.9 sez. 17	Q200	80.00	368.04	371.32	372.16	0.84	373.00	1.68	370.41	371.63	0.004851	2.49	32.17	12.95	0.50
monte	17.9 sez. 17	Q500	96.30	368.04	371.76	372.16	0.40	373.00	1.24	370.62	372.09	0.004336	2.54	37.87	12.95	0.47
monte	17.8 sez. 17	Q50	55.30	368.04	369.98	371.74	1.76	373.00	3.02	369.95	370.82	0.019701	4.07	13.57	7.63	0.98
monte	17.8 sez. 17	Q200	80.00	368.04	370.44	371.74	1.30	373.00	2.56	370.44	371.55	0.021254	4.68	17.11	7.63	1.00

HEC-RAS Plan: 02_Feb_08 River: migliarese Reach: monte (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
monte	17.8 sez. 17	Q500	96.30	368.04	370.73	371.74	1.01	373.00	2.27	370.73	372.00	0.021831	4.98	19.34	7.63	1.00
monte	15.75 sez. 16	Q50	55.30	367.83	369.41	371.64	2.23	374.00	4.59	369.55	370.37	0.026757	4.36	12.69	8.70	1.15
monte	15.75 sez. 16	Q200	80.00	367.83	369.95	371.64	1.69	374.00	4.05	370.00	371.02	0.022001	4.60	17.41	8.70	1.04
monte	15.75 sez. 16	Q500	96.30	367.83	370.21	371.64	1.43	374.00	3.79	370.27	371.43	0.022319	4.89	19.69	8.70	1.04
monte	15.7 sez. 16	Q50	55.30	367.22	368.23	371.64	3.41	374.00	5.77	368.83	370.26	0.083847	6.32	8.74	8.70	2.01
monte	15.7 sez. 16	Q200	80.00	367.22	368.58	371.64	3.06	374.00	5.42	369.27	370.90	0.069034	6.74	11.87	8.70	1.84
monte	15.7 sez. 16	Q500	96.30	367.22	368.80	371.64	2.84	374.00	5.20	369.54	371.30	0.064408	7.00	13.75	8.70	1.78
monte	15.65	Q50	55.30	367.22	368.83	371.64	2.81	374.00	5.17	368.83	369.62	0.020161	3.95	14.00	8.70	0.99
monte	15.65	Q200	80.00	367.22	369.27	371.64	2.37	374.00	4.73	369.27	370.30	0.020546	4.48	17.88	8.70	1.00
monte	15.65	Q500	96.30	367.22	369.54	371.64	2.10	374.00	4.46	369.54	370.70	0.020845	4.76	20.23	8.70	1.00
monte	15.6	Q50	55.30	367.22	368.25	368.53	0.28	374.00	5.75	368.65	369.57	0.056206	5.09	10.86	12.46	1.74
monte	15.6	Q200	80.00	367.22	368.46	368.53	0.07	374.00	5.54	368.98	370.22	0.060786	5.87	13.63	13.25	1.85
monte	15.6	Q500	96.30	367.22	368.58	368.53	-0.05	374.00	5.42	369.19	370.61	0.062534	6.30	15.28	13.50	1.89
monte	15.1 sez. 15.1	Q50	55.30	366.88	368.44	370.77	2.33	370.45	2.01	368.44	369.03	0.009540	3.40	16.24	13.67	1.00
monte	15.1 sez. 15.1	Q200	80.00	366.88	368.77	370.77	2.00	370.45	1.68	368.77	369.52	0.009280	3.85	20.80	13.69	1.00
monte	15.1 sez. 15.1	Q500	96.30	366.88	368.97	370.77	1.80	370.45	1.48	368.97	369.82	0.009244	4.10	23.50	13.69	1.00
monte	15 sez. 15	Q50	55.30	366.51	367.66	370.77	3.11	370.45	2.79	368.06	368.94	0.027360	5.02	11.01	11.23	1.62
monte	15 sez. 15	Q200	80.00	366.51	368.00	370.77	2.77	370.45	2.45	368.44	369.44	0.023342	5.31	15.05	12.32	1.53
monte	15 sez. 15	Q500	96.30	366.51	368.19	370.77	2.58	370.45	2.26	368.64	369.74	0.022107	5.50	17.50	12.93	1.51
monte	14.1 sez. 14.1	Q50	55.30	365.46	367.01	368.50	1.49	367.70	0.69	367.01	367.70	0.010260	3.67	15.09	11.01	1.00
monte	14.1 sez. 14.1	Q200	80.00	365.46	367.25	368.50	1.26	367.70	0.46	367.40	368.29	0.013357	4.54	17.64	11.01	1.14
monte	14.1 sez. 14.1	Q500	96.30	365.46	367.47	368.50	1.03	367.70	0.23	367.63	368.64	0.013113	4.80	20.07	11.01	1.13

HEC-RAS Plan: 01_Feb_08 River: migliarese Reach: valle

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle	14.1	Q50	55.30	365.46	367.02	372.30	5.28	367.70	0.68	367.02	367.70	0.010184	3.66	15.12	11.01	1.00
valle	14.1	Q200	80.00	365.46	367.40	372.30	4.90	367.70	0.30	367.40	368.27	0.010129	4.14	19.33	11.01	1.00
valle	14.1	Q500	96.30	365.46	367.63	372.30	4.67	367.70	0.07	367.63	368.62	0.010114	4.40	21.90	11.01	1.00
valle	14 Sez 14	Q50	55.30	364.60	365.80	372.30	6.50	367.70	1.90	366.33	367.57	0.040461	5.90	9.38	9.97	1.94
valle	14 Sez 14	Q200	80.00	364.60	366.11	372.30	6.19	367.70	1.59	366.72	368.14	0.035749	6.30	12.69	10.91	1.87
valle	14 Sez 14	Q500	96.30	364.60	366.30	372.30	6.00	367.70	1.40	366.95	368.48	0.033089	6.55	14.71	11.01	1.81
valle	13.1	Q50	55.30	364.60	365.70	372.29	6.59	367.70	2.00	366.22	367.48	0.045770	5.92	9.35	10.99	2.05
valle	13.1	Q200	80.00	364.60	365.99	372.29	6.30	367.70	1.71	366.61	368.06	0.038014	6.37	12.56	10.99	1.90
valle	13.1	Q500	96.30	364.60	366.17	372.29	6.12	367.70	1.53	366.84	368.41	0.035056	6.62	14.54	10.99	1.84
valle	13 Sez 13	Q50	55.30	362.87	364.09	372.29	8.20	367.70	3.61	364.88	367.28	0.092796	7.91	6.99	8.82	2.84
valle	13 Sez 13	Q200	80.00	362.87	364.38	372.29	7.91	367.70	3.32	365.30	367.87	0.075902	8.27	9.68	9.62	2.63
valle	13 Sez 13	Q500	96.30	362.87	364.56	372.29	7.73	367.70	3.14	365.61	368.22	0.067026	8.47	11.37	9.62	2.49
valle	12 Sez 12	Q50	55.30	362.41	365.21	371.37	6.16	365.44	0.23	364.89	365.78	0.006438	3.36	16.47	8.55	0.77
valle	12 Sez 12	Q200	80.00	362.41	366.04	371.37	5.33	365.44	-0.60	365.36	366.62	0.004802	3.38	23.70	8.90	0.66
valle	12 Sez 12	Q500	96.30	362.41	366.56	371.37	4.81	365.44	-1.12	365.65	367.15	0.004203	3.39	28.45	9.10	0.61
valle	11 Sez 11	Q50	55.30	361.92	364.59	369.67	5.08	365.54	0.95	364.59	365.50	0.011737	4.23	13.08	7.23	1.00
valle	11 Sez 11	Q200	80.00	361.92	365.66	369.67	4.01	365.54	-0.12	365.11	366.40	0.006554	3.81	20.98	7.49	0.73
valle	11 Sez 11	Q500	96.30	361.92	366.20	369.67	3.47	365.54	-0.66	365.42	366.95	0.005860	3.84	25.07	7.58	0.67
valle	10 Sez 10	Q50	55.30	361.79	364.71	367.20	2.49	366.07	1.36	363.83	364.97	0.002407	2.27	24.35	11.56	0.50
valle	10 Sez 10	Q200	80.00	361.79	365.97	367.20	1.23	366.07	0.10	364.23	366.18	0.001272	2.04	39.22	12.01	0.36
valle	10 Sez 10	Q500	96.30	361.79	366.51	367.20	0.69	366.07	-0.44	364.47	366.74	0.001191	2.10	45.82	12.11	0.34
valle	9.1	Q50	55.30	361.47	364.55	367.31	2.76	367.47	2.92	363.77	364.92	0.003489	2.69	20.59	8.66	0.56
valle	9.1	Q200	80.00	361.47	365.82	367.31	1.49	367.47	1.65	364.24	366.15	0.002227	2.53	31.59	8.71	0.42
valle	9.1	Q500	96.30	361.47	366.34	367.31	0.97	367.47	1.13	364.50	366.70	0.002246	2.66	36.15	8.73	0.42
valle	9	Q50	55.30	361.47	364.55	367.31	2.76	367.47	2.92	363.77	364.92	0.003515	2.69	20.54	8.66	0.56
valle	9	Q200	80.00	361.47	365.82	367.31	1.49	367.47	1.65	364.24	366.14	0.002233	2.54	31.55	8.71	0.43
valle	9	Q500	96.30	361.47	366.34	367.31	0.97	367.47	1.13	364.50	366.70	0.002251	2.67	36.12	8.73	0.42
valle	8.95 Sez 9		Bridge													
valle	8.9	Q50	55.30	361.47	364.38	367.31	2.93	367.47	3.09	363.77	364.81	0.004334	2.90	19.09	8.65	0.62
valle	8.9	Q200	80.00	361.47	365.69	367.31	1.62	367.47	1.78	364.24	366.04	0.002463	2.63	30.44	8.71	0.45
valle	8.9	Q500	96.30	361.47	366.17	367.31	1.14	367.47	1.30	364.50	366.56	0.002521	2.78	34.62	8.72	0.45
valle	8.8	Q50	55.30	361.31	364.39	367.31	2.92	367.47	3.08	363.68	364.78	0.003726	2.75	20.12	8.65	0.58
valle	8.8	Q200	80.00	361.31	365.69	367.31	1.62	367.47	1.78	364.12	366.02	0.002263	2.55	31.40	8.71	0.43
valle	8.8	Q500	96.30	361.31	366.17	367.31	1.14	367.47	1.30	364.40	366.54	0.002343	2.71	35.58	8.72	0.43
valle	8.5		Lat Struct													
valle	8 Sez 8	Q50	55.30	361.19	364.41	363.62	-0.79	364.88	0.47	363.10	364.70	0.002451	2.41	22.96	7.40	0.44
valle	8 Sez 8	Q200	78.32	361.19	365.68	363.62	-2.06	364.88	-0.80	363.56	365.98	0.001985	2.42	32.37	7.40	0.37
valle	8 Sez 8	Q500	91.11	361.19	366.17	363.62	-2.55	364.88	-1.29	363.80	366.49	0.002049	2.53	35.97	7.40	0.37
valle	7 Sez 7	Q50	55.30	361.11	363.92	363.62	-0.30	363.62	-0.30	363.19	364.64	0.008063	3.75	14.76		0.71

HEC-RAS Plan: 01_Feb_08 River: migliarese Reach: valle (Continued)

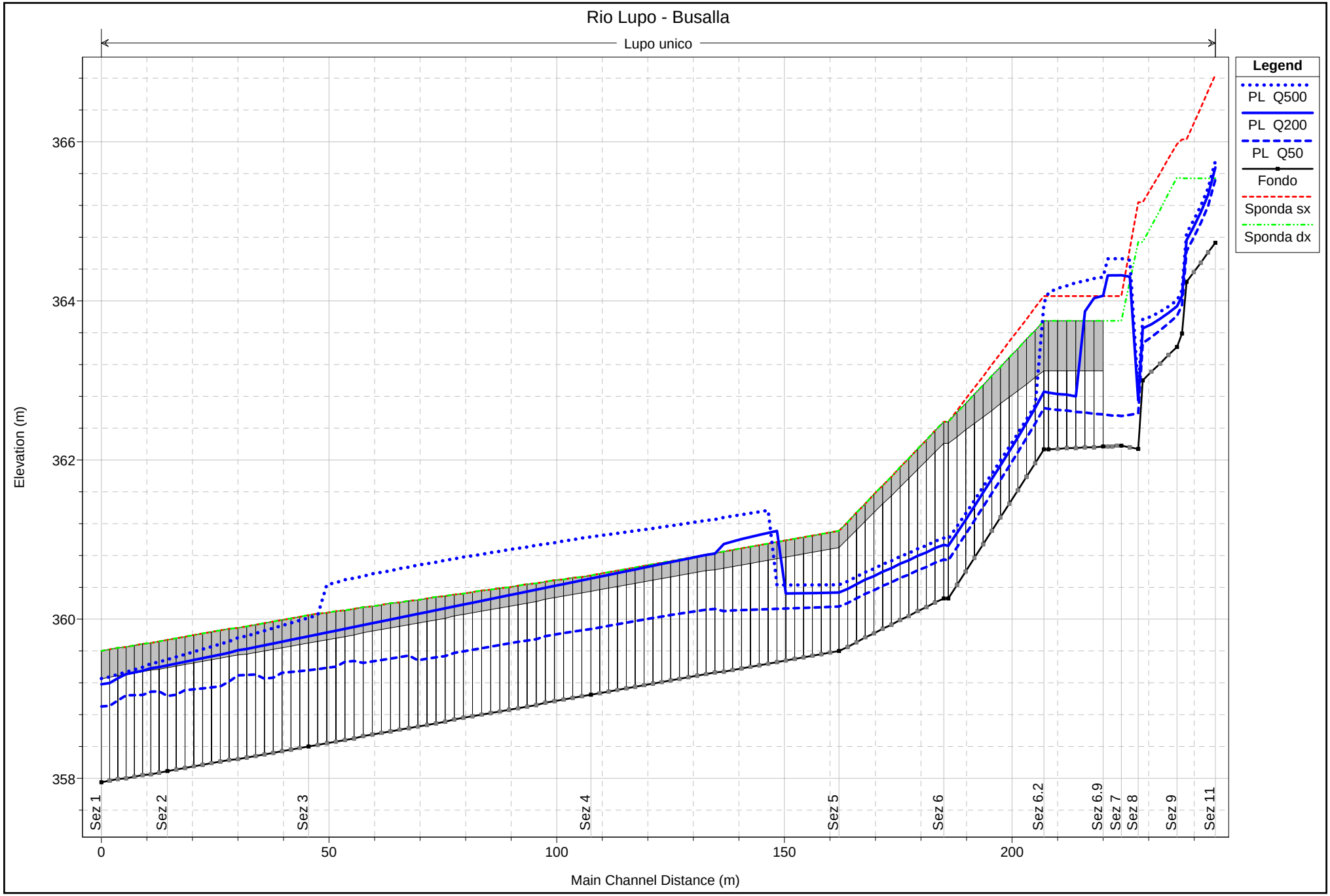
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle	7 Sez 7	Q200	65.95	361.11	364.87	363.62	-1.25	363.62	-1.25	363.45	365.89	0.011470	4.47	14.76		0.74
valle	7 Sez 7	Q500	69.69	361.11	365.24	363.62	-1.62	363.62	-1.62	363.54	366.38	0.012806	4.72	14.76		0.74
valle	6.95	Q50	55.30	361.05	363.94	363.62	-0.32	363.62	-0.32	363.12	364.61	0.007342	3.62	15.27		0.68
valle	6.95	Q200	65.95	361.05	364.89	363.62	-1.27	363.62	-1.27	363.38	365.84	0.010444	4.32	15.27		0.70
valle	6.95	Q500	69.69	361.05	365.27	363.62	-1.65	363.62	-1.65	363.47	366.33	0.011660	4.57	15.27		0.71
valle	6.9 Sez 6.9	Q50	55.30	360.66	364.05	363.62	-0.43	363.62	-0.43	362.73	364.55	0.004867	3.15	17.58		0.55
valle	6.9 Sez 6.9	Q200	65.95	360.66	365.05	363.62	-1.43	363.62	-1.43	362.98	365.77	0.006924	3.75	17.58		0.57
valle	6.9 Sez 6.9	Q500	69.69	360.66	365.44	363.62	-1.82	363.62	-1.82	363.07	366.24	0.007730	3.96	17.58		0.58
valle	6.35	Q50	55.30	360.47	363.95	363.07	-0.88	363.07	-0.88	362.41	364.49	0.005677	3.26	16.95		0.56
valle	6.35	Q200	65.95	360.47	364.91	363.07	-1.84	363.07	-1.84	362.66	365.68	0.008076	3.89	16.95		0.59
valle	6.35	Q500	69.69	360.47	365.28	363.07	-2.21	363.07	-2.21	362.74	366.15	0.009017	4.11	16.95		0.60
valle	6.3 Sez 6.3	Q50	55.30	360.47	363.86	362.98	-0.88	362.98	-0.88	362.44	364.47	0.010184	3.48	15.91		0.60
valle	6.3 Sez 6.3	Q200	65.95	360.47	364.78	362.98	-1.80	362.98	-1.80	362.69	365.66	0.014486	4.15	15.91		0.64
valle	6.3 Sez 6.3	Q500	69.69	360.47	365.14	362.98	-2.16	362.98	-2.16	362.78	366.12	0.016173	4.38	15.91		0.65
valle	6.26	Q50	55.30	360.33	363.45	362.45	-1.00	362.45	-1.00	362.30	364.33	0.017555	4.14	13.35		0.75
valle	6.26	Q200	65.95	360.33	364.18	362.45	-1.73	362.45	-1.73	362.44	365.44	0.027373	4.97	13.26		0.81
valle	6.26	Q500	69.69	360.33	364.47	362.45	-2.02	362.45	-2.02	362.45	365.88	0.030563	5.26	13.26		0.82
valle	6.25	Q50	55.30	360.33	362.80	362.03	-0.77	362.03	-0.77	362.03	364.24	0.035214	5.33	10.38		1.09
valle	6.25	Q200	65.95	360.33	363.23	362.03	-1.20	362.03	-1.20	362.03	365.32	0.054066	6.40	10.31		1.21
valle	6.25	Q500	69.69	360.33	363.40	362.03	-1.37	362.03	-1.37	362.03	365.74	0.062147	6.78	10.28		1.25
valle	6.2 Sez 6.2	Q50	55.30	360.33	362.90	362.03	-0.87	362.03	-0.87	362.03	364.16	0.020313	4.98	11.10		0.99
valle	6.2 Sez 6.2	Q200	65.95	360.33	363.39	362.03	-1.36	362.03	-1.36	362.03	365.19	0.028895	5.94	11.10		1.08
valle	6.2 Sez 6.2	Q500	69.69	360.33	363.59	362.03	-1.56	362.03	-1.56	362.03	365.60	0.032261	6.28	11.10		1.11
valle	6.18	Q50	55.30	360.22	362.81	361.72	-1.10	361.72	-1.10	361.72	364.05	0.021889	4.92	11.25		0.97
valle	6.18	Q200	65.95	360.22	363.27	361.72	-1.55	361.72	-1.55	361.72	365.03	0.031136	5.86	11.25		1.07
valle	6.18	Q500	69.69	360.22	363.46	361.72	-1.74	361.72	-1.74	361.72	365.41	0.034764	6.20	11.25		1.10
valle	6.17	Q50	55.30	359.86	362.48	361.54	-0.93	361.54	-0.93	361.54	363.46	0.015399	4.39	12.60		0.87
valle	6.17	Q200	65.95	359.86	362.79	361.54	-1.25	361.54	-1.25	361.54	364.19	0.021905	5.23	12.60		0.98
valle	6.17	Q500	69.69	359.86	362.92	361.54	-1.38	361.54	-1.38	361.54	364.47	0.024457	5.53	12.60		1.01
valle	6.16	Q50	55.30	359.61	362.17	361.49	-0.68	361.49	-0.68	361.49	363.15	0.014088	4.39	12.60		0.88
valle	6.16	Q200	65.95	359.61	362.36	361.49	-0.86	361.49	-0.86	361.49	363.75	0.020040	5.24	12.60		1.01
valle	6.16	Q500	69.69	359.61	362.43	361.49	-0.94	361.49	-0.94	361.49	363.99	0.022375	5.53	12.60		1.05
valle	6.15	Q50	55.30	359.57	361.79	361.49	-0.30	361.49	-0.30	361.49	363.07	0.018908	5.02	11.02		1.08
valle	6.15	Q200	65.95	359.57	361.81	361.49	-0.32	361.49	-0.32	361.49	363.64	0.026896	5.98	11.02		1.28
valle	6.15	Q500	69.69	359.57	361.83	361.49	-0.34	361.49	-0.34	361.49	363.86	0.030030	6.32	11.02		1.34
valle	6.1 Sez 6.1	Q50	55.30	359.57	361.69	361.17	-0.52	361.72	0.03	361.69	363.05	0.012304	5.17	10.71	3.92	1.13
valle	6.1 Sez 6.1	Q200	65.95	359.57	361.72	361.17	-0.55	361.72	0.00	361.72	363.61	0.017124	6.09	10.82	3.84	1.33
valle	6.1 Sez 6.1	Q500	69.69	359.57	361.72	361.17	-0.55	361.72	0.00	361.72	363.83	0.019121	6.44	10.82	3.84	1.40
valle	6.06	Q50	55.30	359.51	361.03	361.17	0.14	361.72	0.69	361.50	362.94	0.018022	6.12	9.03	5.94	1.59
valle	6.06	Q200	65.95	359.51	361.15	361.17	0.02	361.72	0.57	361.71	363.49	0.020734	6.78	9.72	5.94	1.69

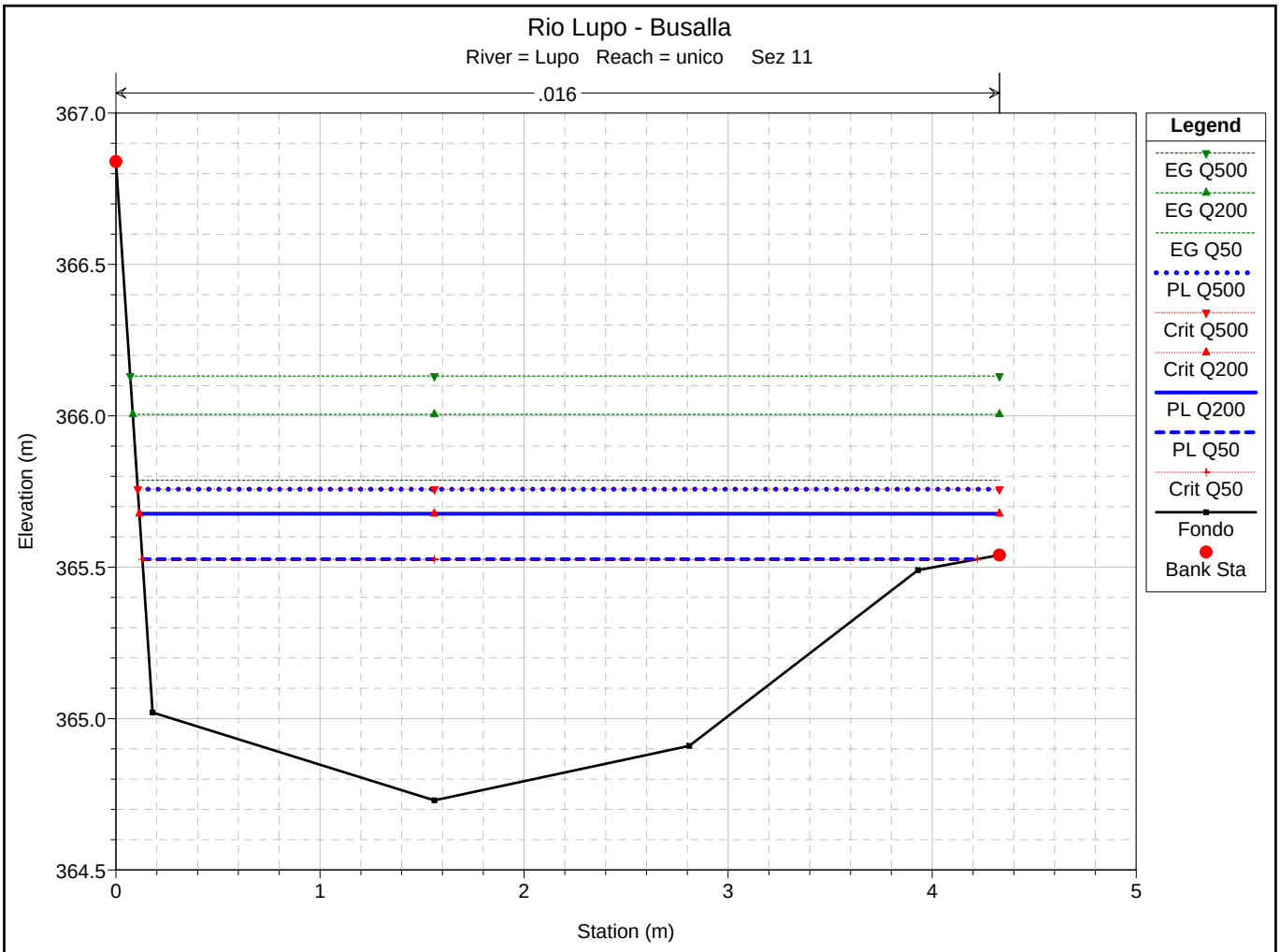
HEC-RAS Plan: 01_Feb_08 River: migliarese Reach: valle (Continued)

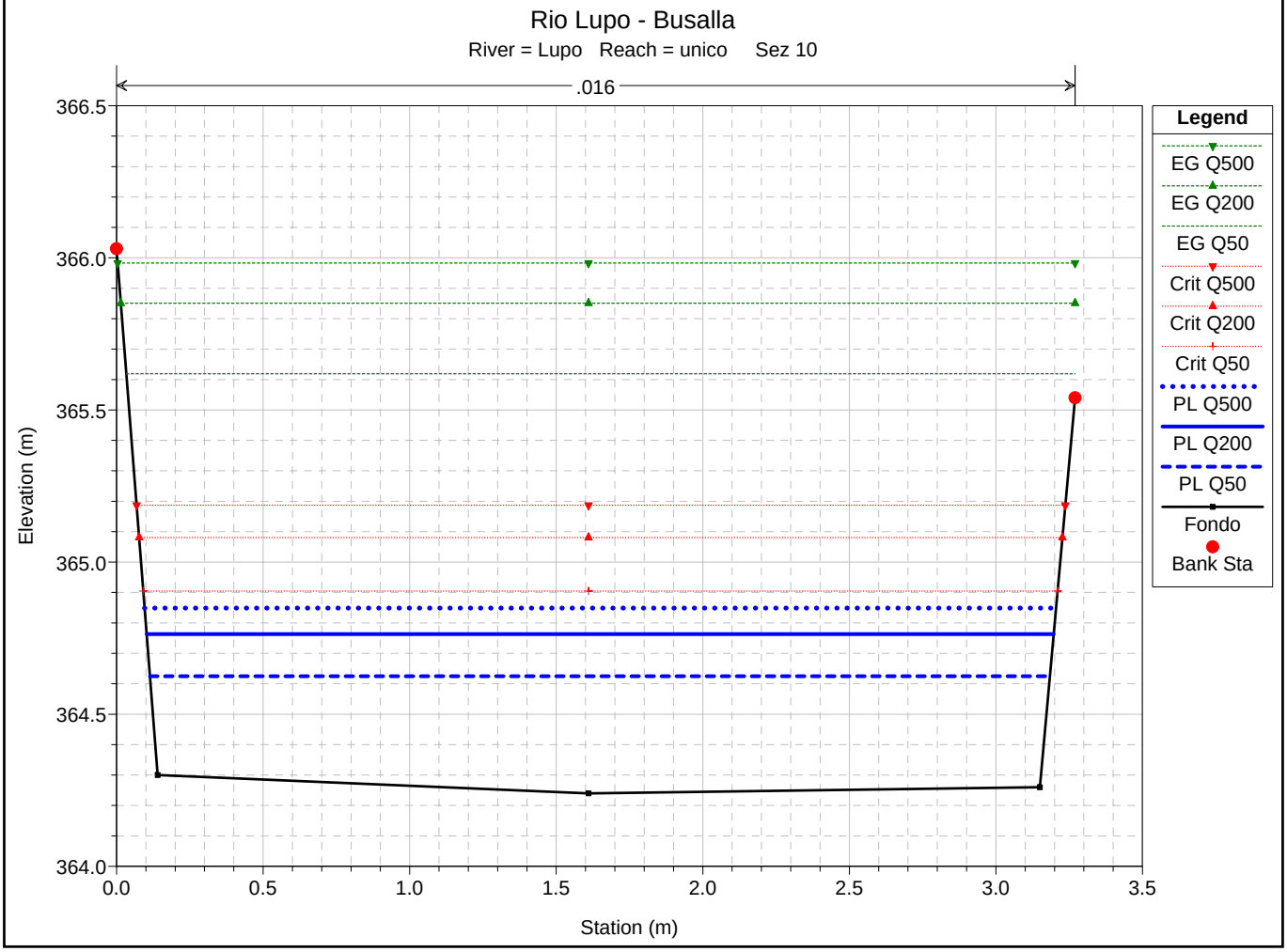
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle	6.06	Q500	69.69	359.51	361.17	361.17	0.00	361.72	0.55	361.72	363.71	0.022158	7.06	9.87	5.94	1.75
valle	6.05	Q50	55.30	359.51	361.04	361.17	0.13	361.72	0.68	361.50	362.93	0.017720	6.09	9.08	5.94	1.57
valle	6.05	Q200	65.95	359.51	361.15	361.17	0.02	361.72	0.57	361.71	363.48	0.020447	6.75	9.77	5.94	1.68
valle	6.05	Q500	69.69	359.51	361.18	361.17	-0.01	361.72	0.54	361.72	363.70	0.021927	7.03	9.92	5.92	1.74
valle	6 Sez 6	Q50	55.30	359.15	361.22	361.17	-0.05	361.69	0.47	361.36	362.46	0.009293	4.94	11.20	5.81	1.15
valle	6 Sez 6	Q200	65.95	359.15	361.52	361.17	-0.35	361.69	0.17	361.56	362.86	0.009707	5.14	12.84	5.11	1.11
valle	6 Sez 6	Q500	69.69	359.15	361.35	361.17	-0.18	361.69	0.34	361.63	363.08	0.012715	5.83	11.95	5.51	1.31
valle	5 Sez 5	Q50	55.30	358.63	360.32	362.54	2.22	361.08	0.76	360.77	361.95	0.025205	5.66	9.78	6.24	1.44
valle	5 Sez 5	Q200	65.95	358.63	360.67	362.54	1.87	361.08	0.41	361.01	362.22	0.020326	5.52	11.95	6.30	1.28
valle	5 Sez 5	Q500	69.69	358.63	360.51	362.54	2.03	361.08	0.57	361.10	362.57	0.028904	6.36	10.97	6.28	1.53
valle	4 Sez 4	Q50	55.30	358.33	359.95	361.54	1.59	361.54	1.59	360.27	361.26	0.019973	5.08	10.88	7.62	1.36
valle	4 Sez 4	Q200	65.95	358.33	360.11	361.54	1.43	361.54	1.43	360.49	361.62	0.020824	5.45	12.10	7.62	1.38
valle	4 Sez 4	Q500	69.69	358.33	360.13	361.54	1.41	361.54	1.41	360.56	361.77	0.022183	5.67	12.30	7.62	1.42
valle	3.5 Sez 3.5	Q50	55.30	358.26	359.93	361.10	1.17	360.50	0.57	360.20	361.14	0.017837	4.88	11.34	7.62	1.28
valle	3.5 Sez 3.5	Q200	65.95	358.26	360.10	361.10	1.00	360.50	0.40	360.41	361.48	0.018374	5.21	12.67	7.62	1.29
valle	3.5 Sez 3.5	Q500	69.69	358.26	360.12	361.10	0.98	360.50	0.38	360.49	361.63	0.019838	5.44	12.81	7.62	1.34
valle	3.4 Sez 3.5	Q50	55.30	357.85	359.19	361.54	2.35	361.54	2.35	359.75	361.05	0.033799	6.04	9.15	7.42	1.74
valle	3.4 Sez 3.5	Q200	65.95	357.85	359.36	361.54	2.18	361.54	2.18	359.97	361.39	0.032506	6.31	10.45	7.48	1.71
valle	3.4 Sez 3.5	Q500	69.69	357.85	359.41	361.54	2.13	361.54	2.13	360.05	361.54	0.033200	6.47	10.77	7.50	1.72
valle	3 Sez 3	Q50	55.30	357.69	359.70	361.59	1.89	361.59	1.89	359.18	360.07	0.004063	2.67	20.69	10.90	0.62
valle	3 Sez 3	Q200	65.95	357.69	358.86	361.59	2.73	361.59	2.73	359.36	360.52	0.034287	5.71	11.55	10.90	1.77
valle	3 Sez 3	Q500	69.69	357.69	358.89	361.59	2.70	361.59	2.70	359.42	360.65	0.035371	5.88	11.85	10.90	1.80
valle	2.9	Q50	55.30	357.69	359.69	361.59	1.90	361.59	1.90	359.19	360.06	0.004118	2.68	20.60	10.90	0.62
valle	2.9	Q200	65.95	357.69	358.89	361.59	2.70	361.59	2.70	359.36	360.47	0.031488	5.55	11.87	10.90	1.70
valle	2.9	Q500	69.69	357.69	358.92	361.59	2.67	361.59	2.67	359.40	360.59	0.032641	5.73	12.16	10.90	1.73
valle	2.5		Bridge													
valle	2.1	Q50	55.30	357.69	358.92	361.59	2.67	361.59	2.67	359.19	359.97	0.020642	4.55	12.14	10.90	1.38
valle	2.1	Q200	65.95	357.69	359.06	361.59	2.53	361.59	2.53	359.36	360.25	0.020456	4.83	13.65	10.90	1.38
valle	2.1	Q500	69.69	357.69	359.10	361.59	2.49	361.59	2.49	359.40	360.34	0.020370	4.92	14.17	10.90	1.38
valle	2 Sez 2	Q50	55.30	357.13	359.15	362.59	3.44	362.59	3.44	358.27	359.31	0.001550	1.78	31.04	15.85	0.41
valle	2 Sez 2	Q200	65.95	357.13	359.60	362.59	2.99	362.59	2.99	358.40	359.75	0.001183	1.73	38.09	15.85	0.36
valle	2 Sez 2	Q500	69.69	357.13	359.85	362.59	2.74	362.59	2.74	358.44	359.99	0.000975	1.65	42.14	15.85	0.32
valle	1 Sez 1	Q50	55.30	355.50	359.21	359.40	0.19	359.40	0.19	356.42	359.24	0.000133	0.75	74.19	20.00	0.12
valle	1 Sez 1	Q200	65.95	355.50	359.65	359.40	-0.25	359.40	-0.25	356.54	359.68	0.000135	0.79	83.00	20.00	0.12
valle	1 Sez 1	Q500	69.69	355.50	359.90	359.40	-0.50	359.40	-0.50	356.58	359.93	0.000127	0.79	88.00	20.00	0.12

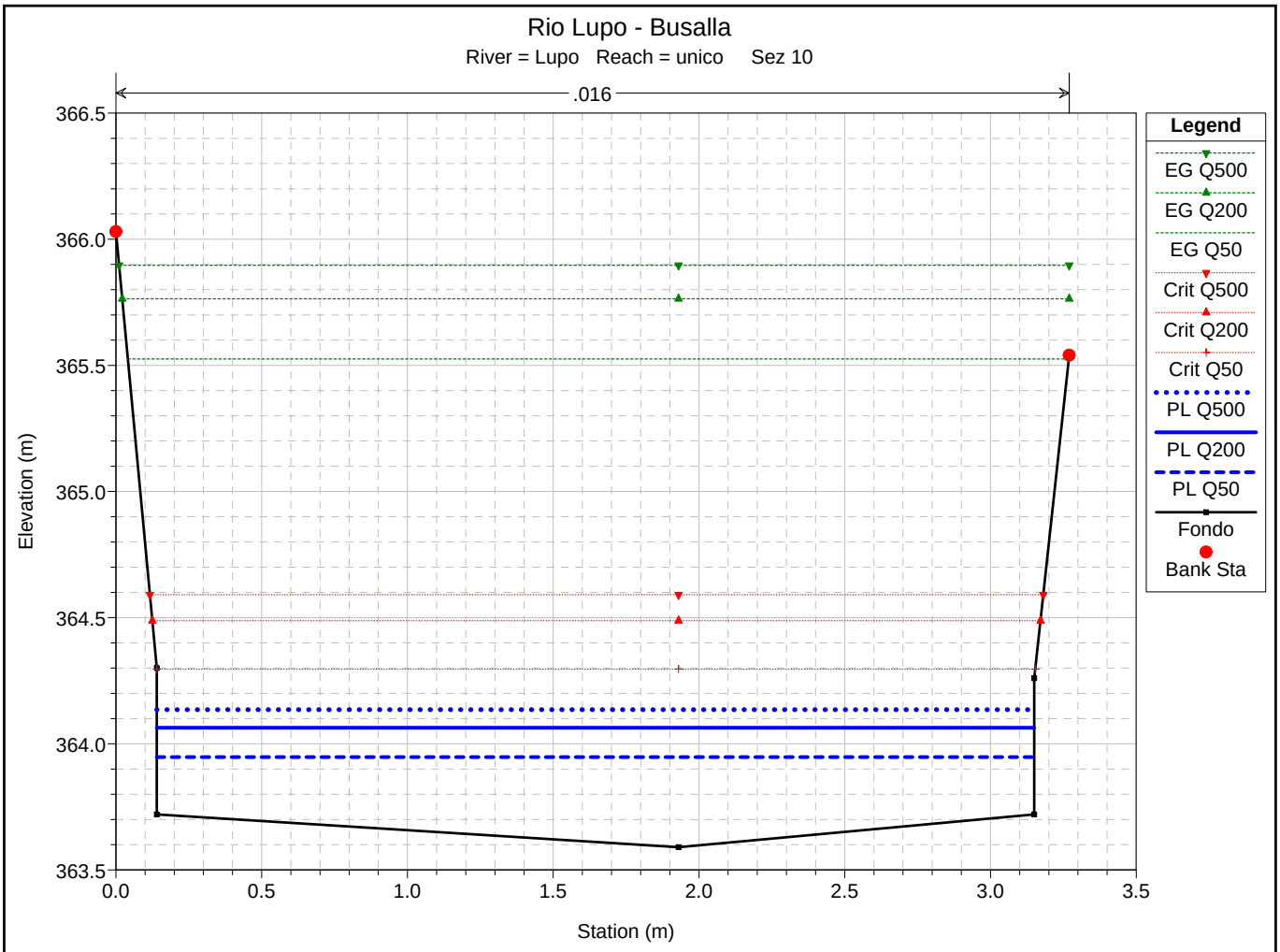
Rio Lupo

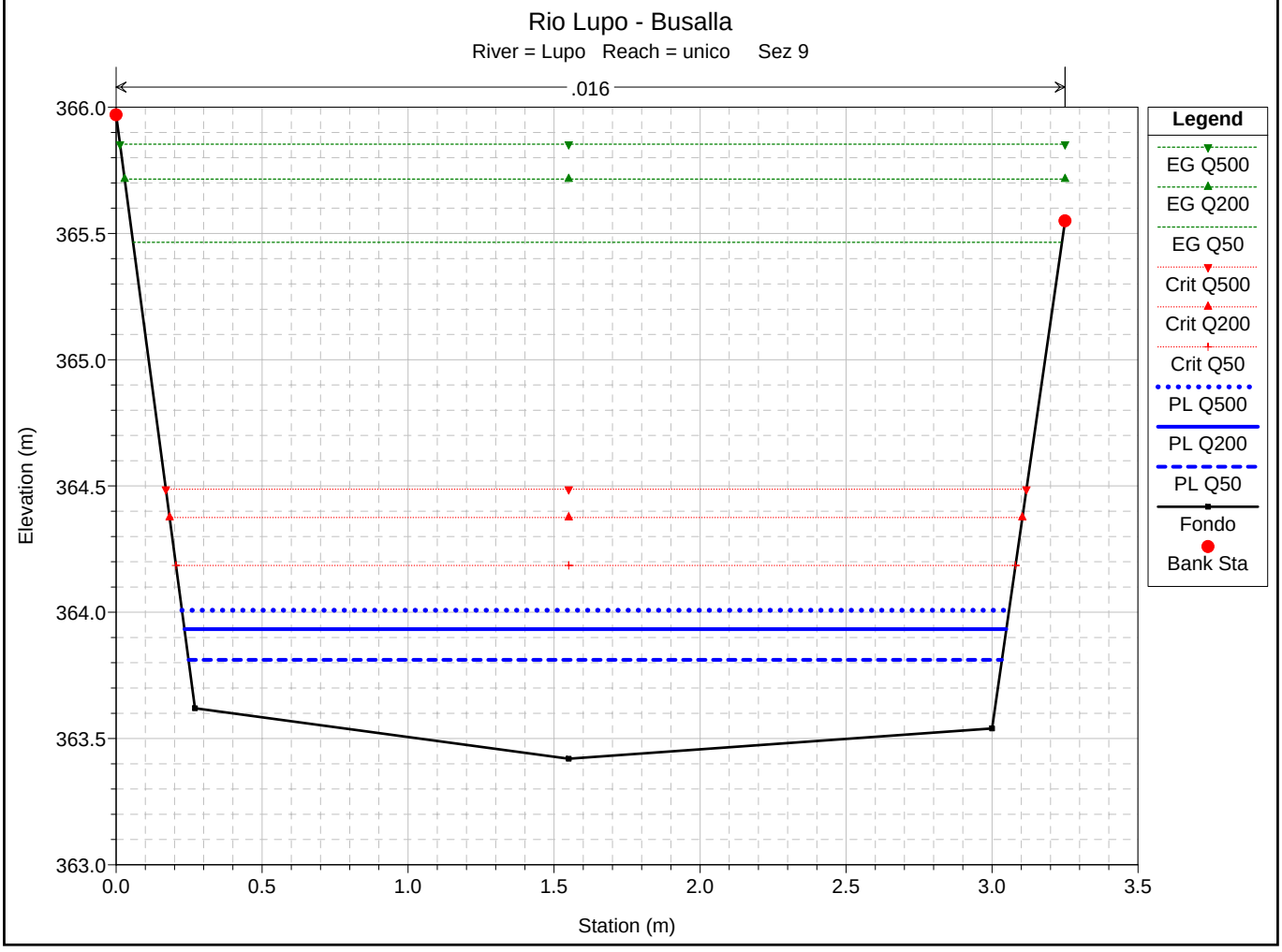
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

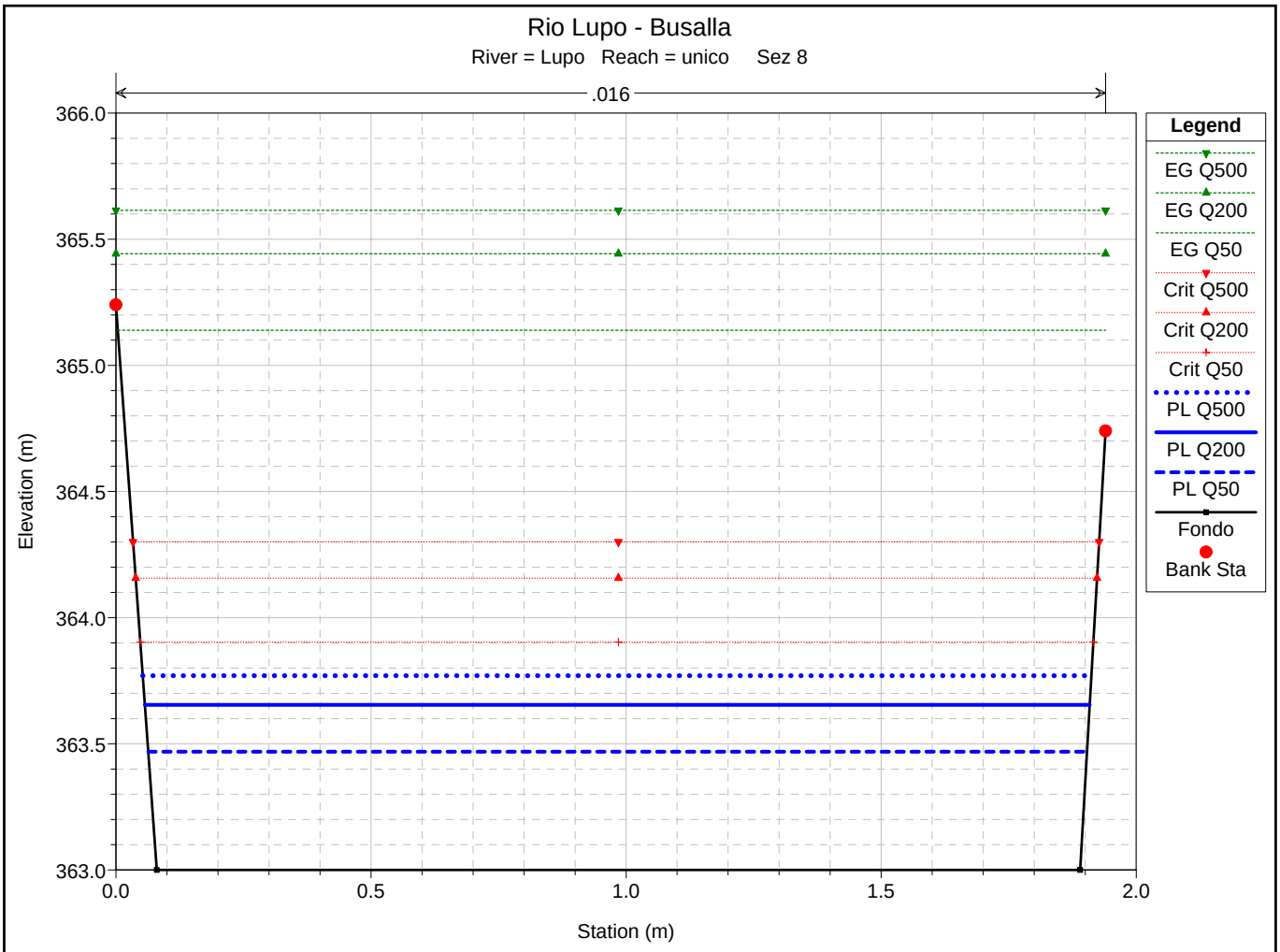

Rio Lupo - Busalla
Lupo unico
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
366
364
362
360
358
Sez 1
Sez 2
Sez 3
Sez 4
Sez 5
Sez 6
Sez 6.2
Sez 6.9
Sez 7
Sez 8
Sez 9
Sez 11
0
50
100
150
200
Main Channel Distance (m)

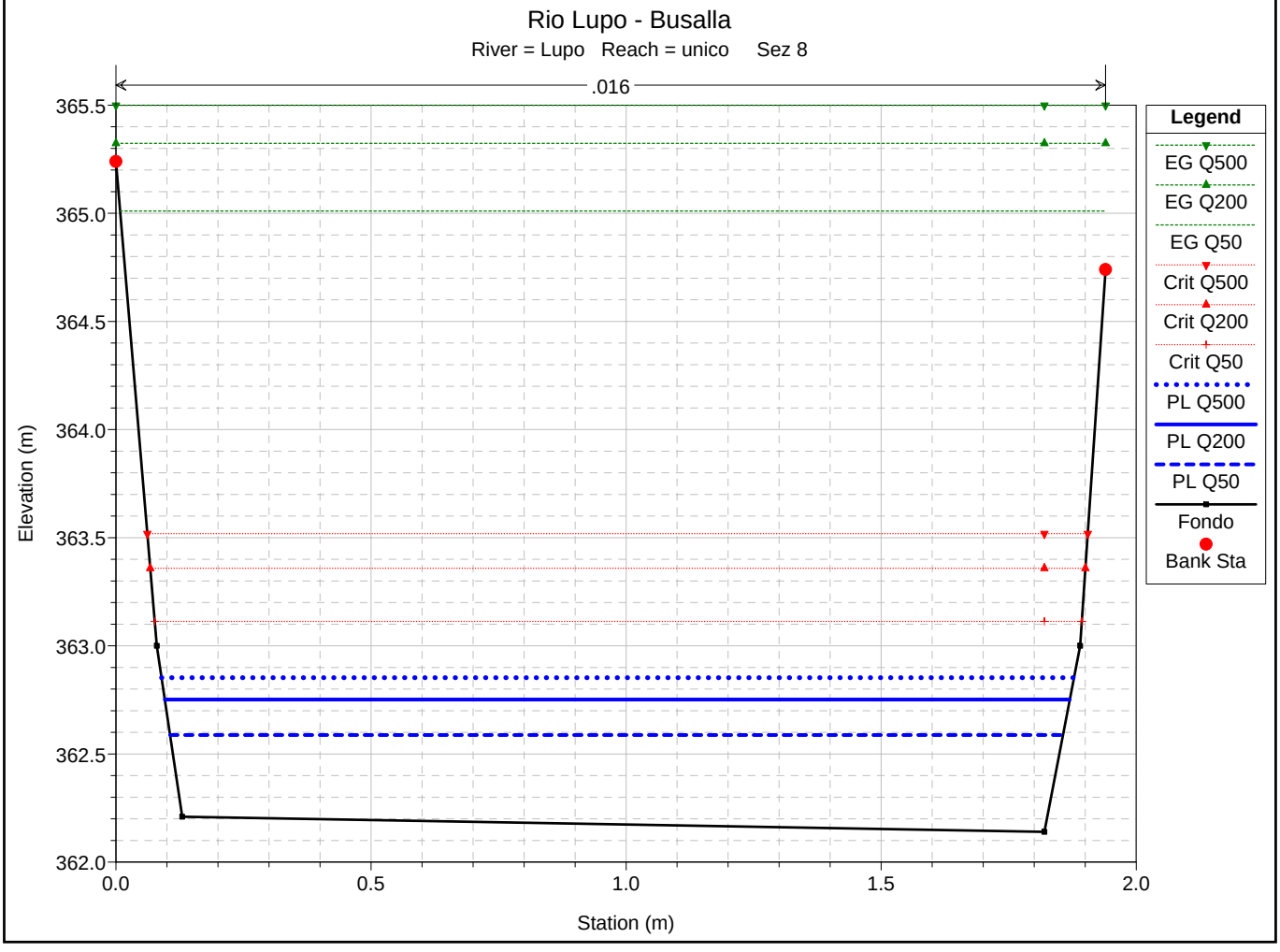

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 11
.016
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

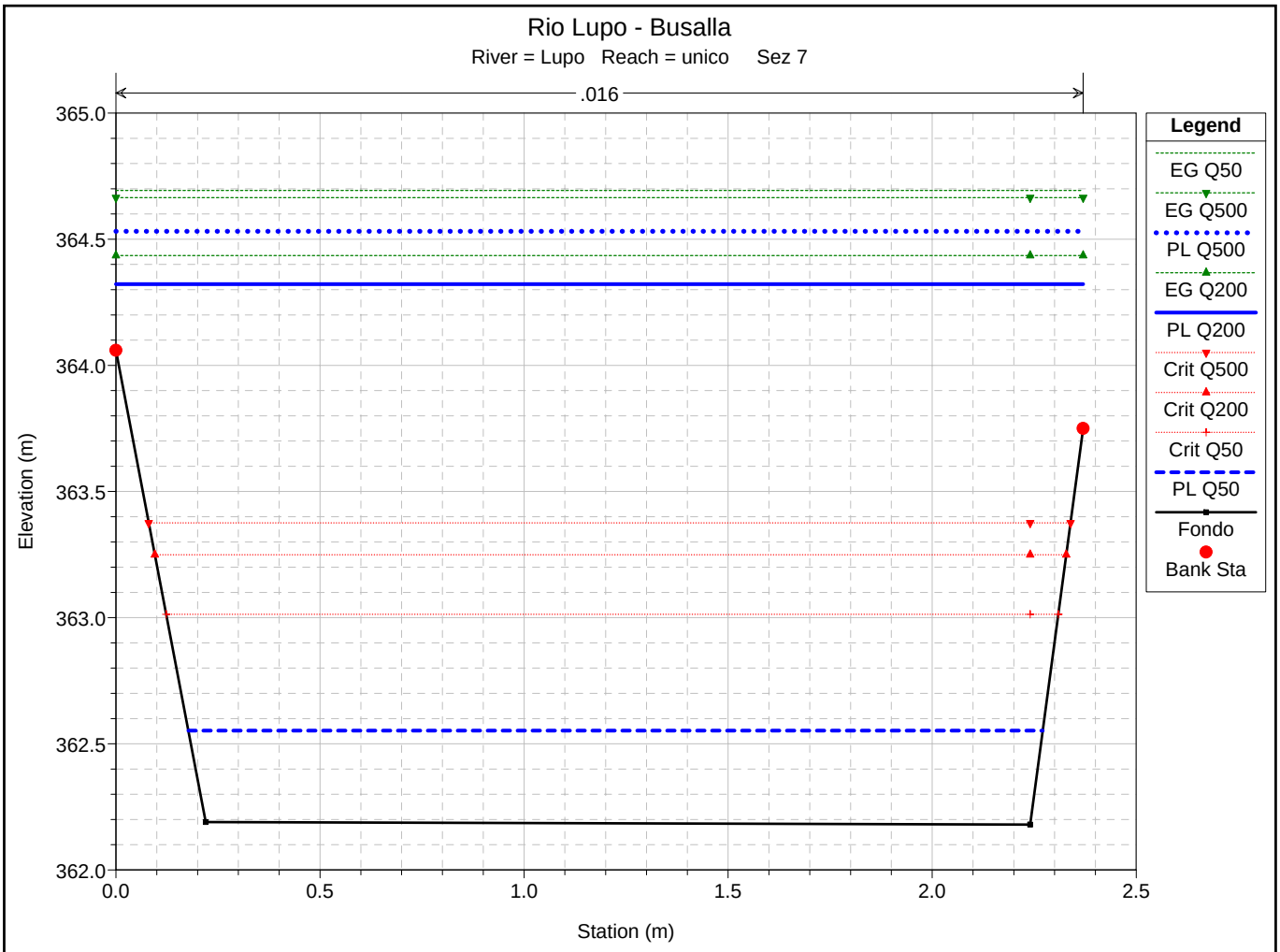

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 10
.016
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

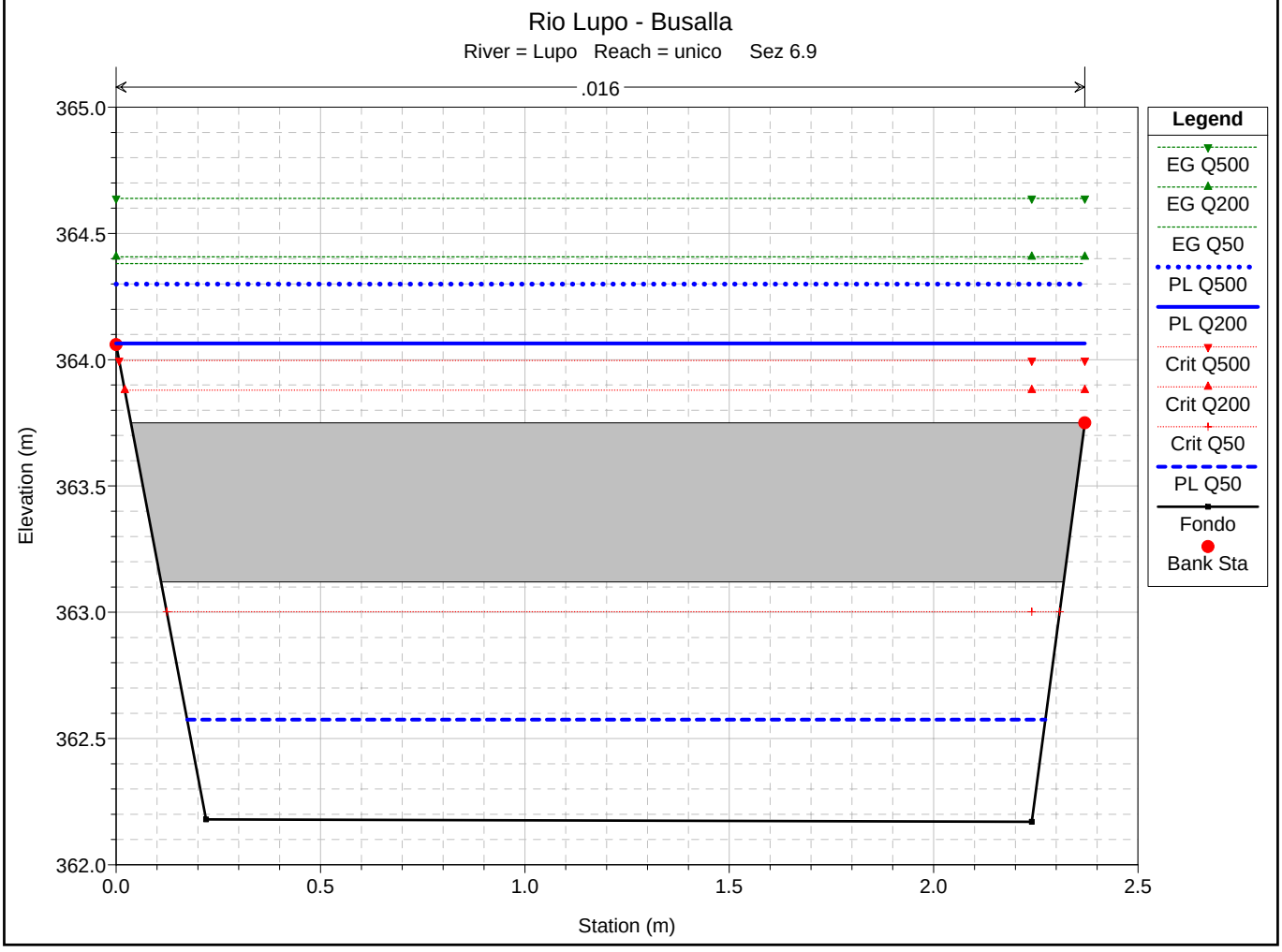

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 10
.016
Elevation (m)
366.5
366.0
365.5
365.0
364.5
364.0
363.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

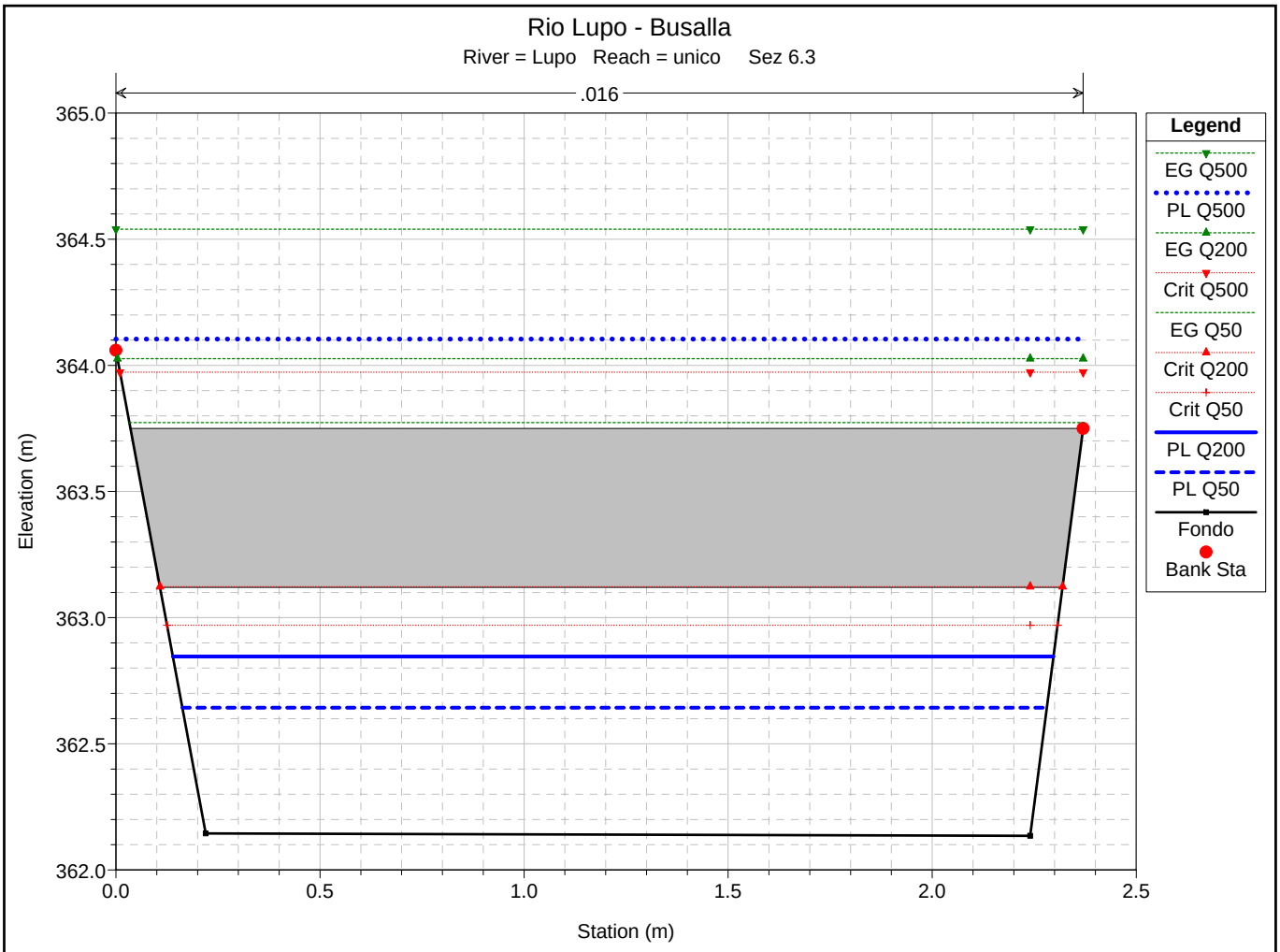

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 9
.016
Elevation (m)
366.0
365.5
365.0
364.5
364.0
363.5
363.0
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

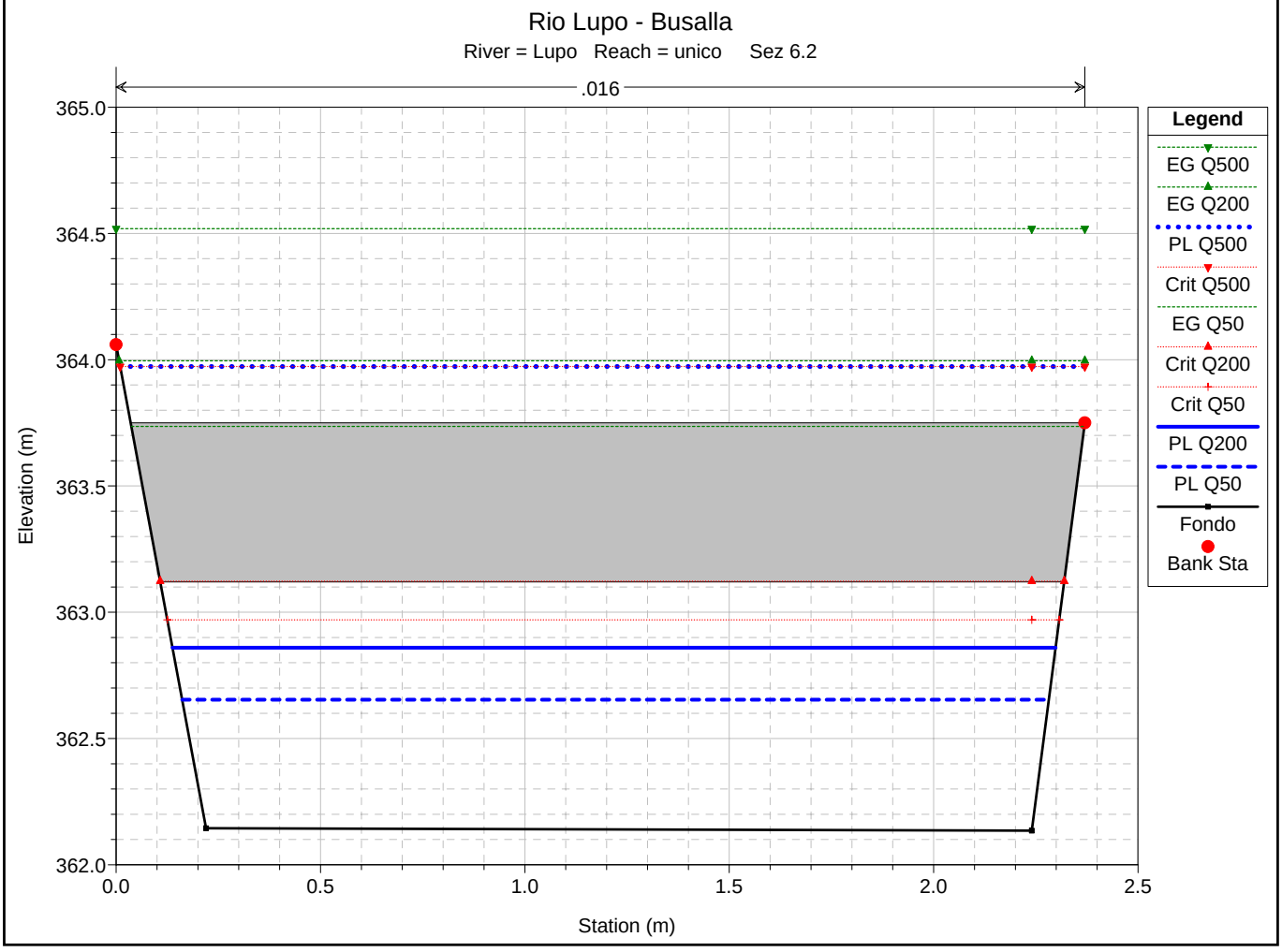

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 8
.016
366.0
365.5
365.0
364.5
364.0
363.5
363.0
Elevation (m)
0.0
0.5
1.0
1.5
2.0
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

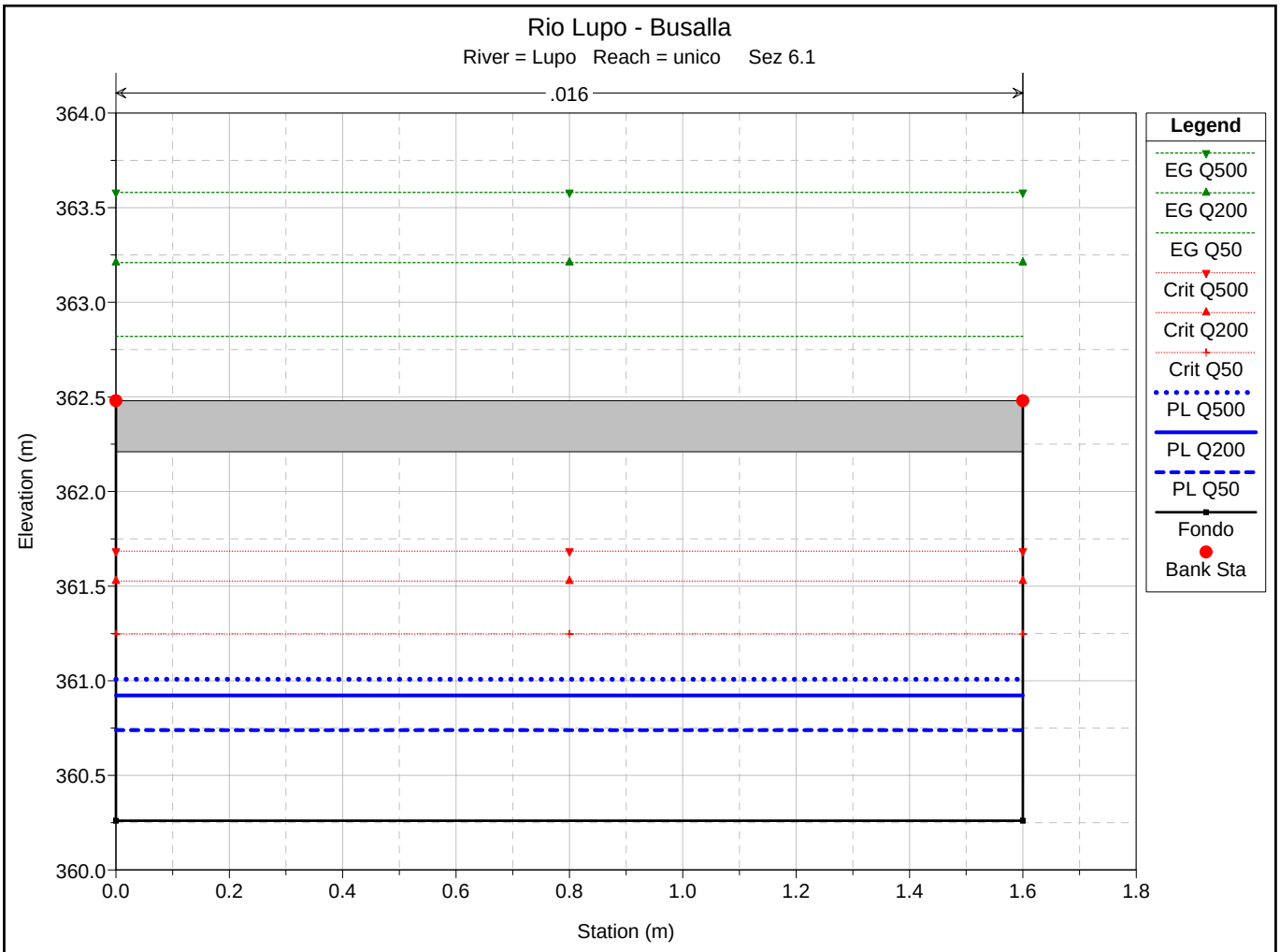

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 8
.016
365.5
365.0
364.5
364.0
363.5
363.0
362.5
362.0
Elevation (m)
0.0
0.5
1.0
1.5
2.0
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

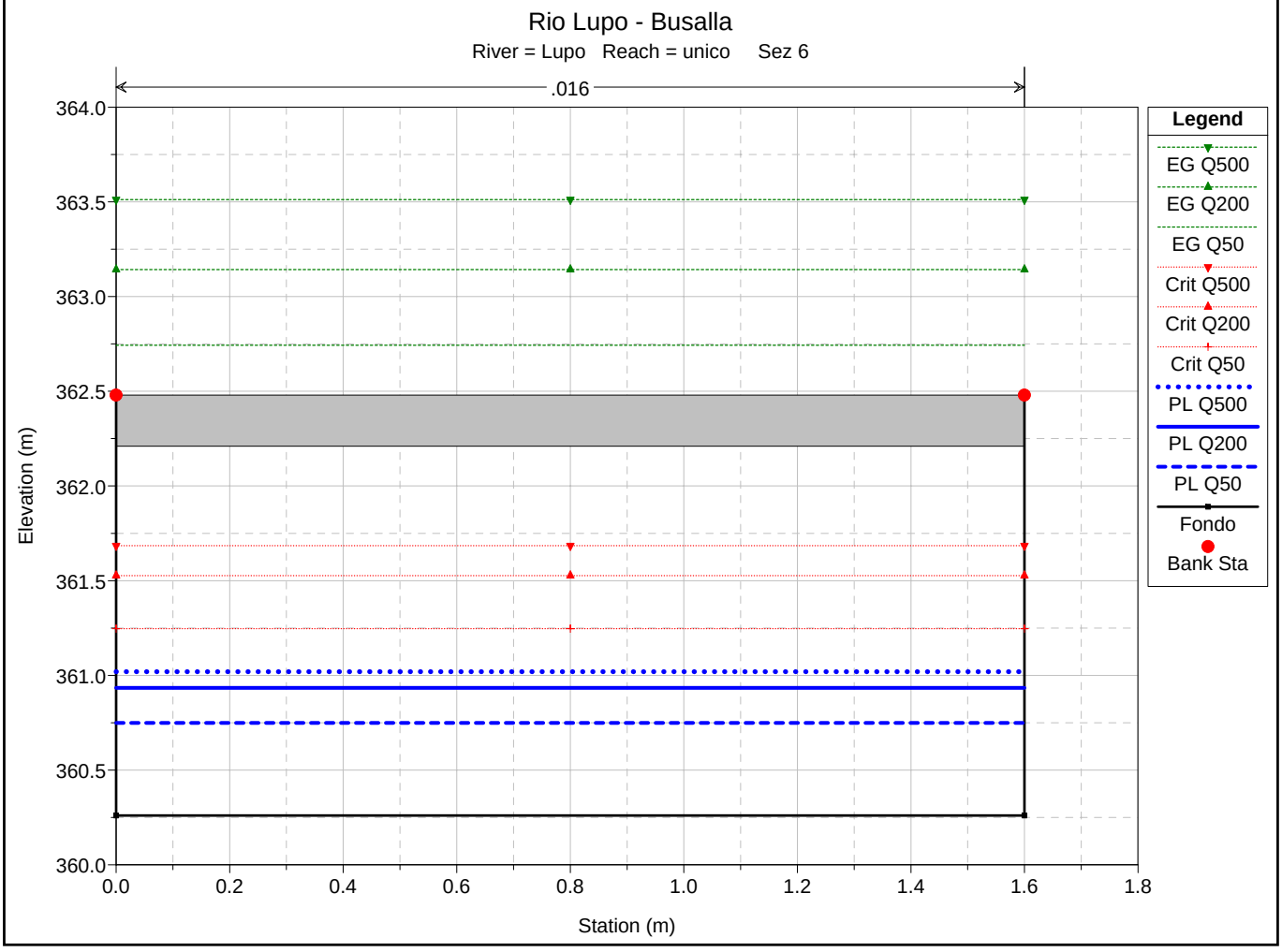

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 7
.016
Legend
EG Q50
EG Q500
PL Q500
EG Q200
PL Q200
Crit Q500
Crit Q200
Crit Q50
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
365.0
364.5
364.0
363.5
363.0
362.5
362.0
0.0
0.5
1.0
1.5
2.0
2.5

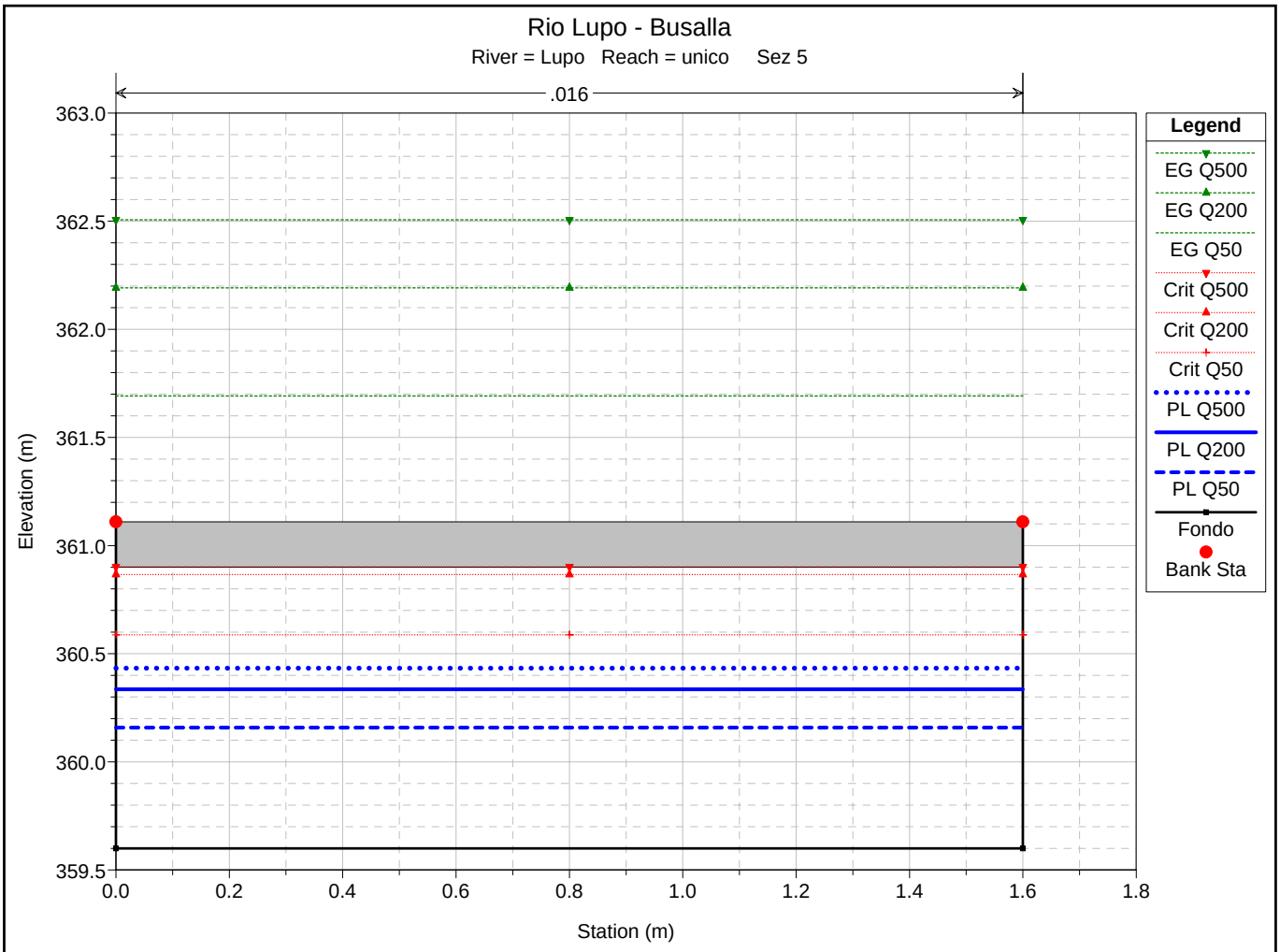

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 6.9
.016
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
Crit Q200
Crit Q50
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
365.0
364.5
364.0
363.5
363.0
362.5
362.0
0.0
0.5
1.0
1.5
2.0
2.5

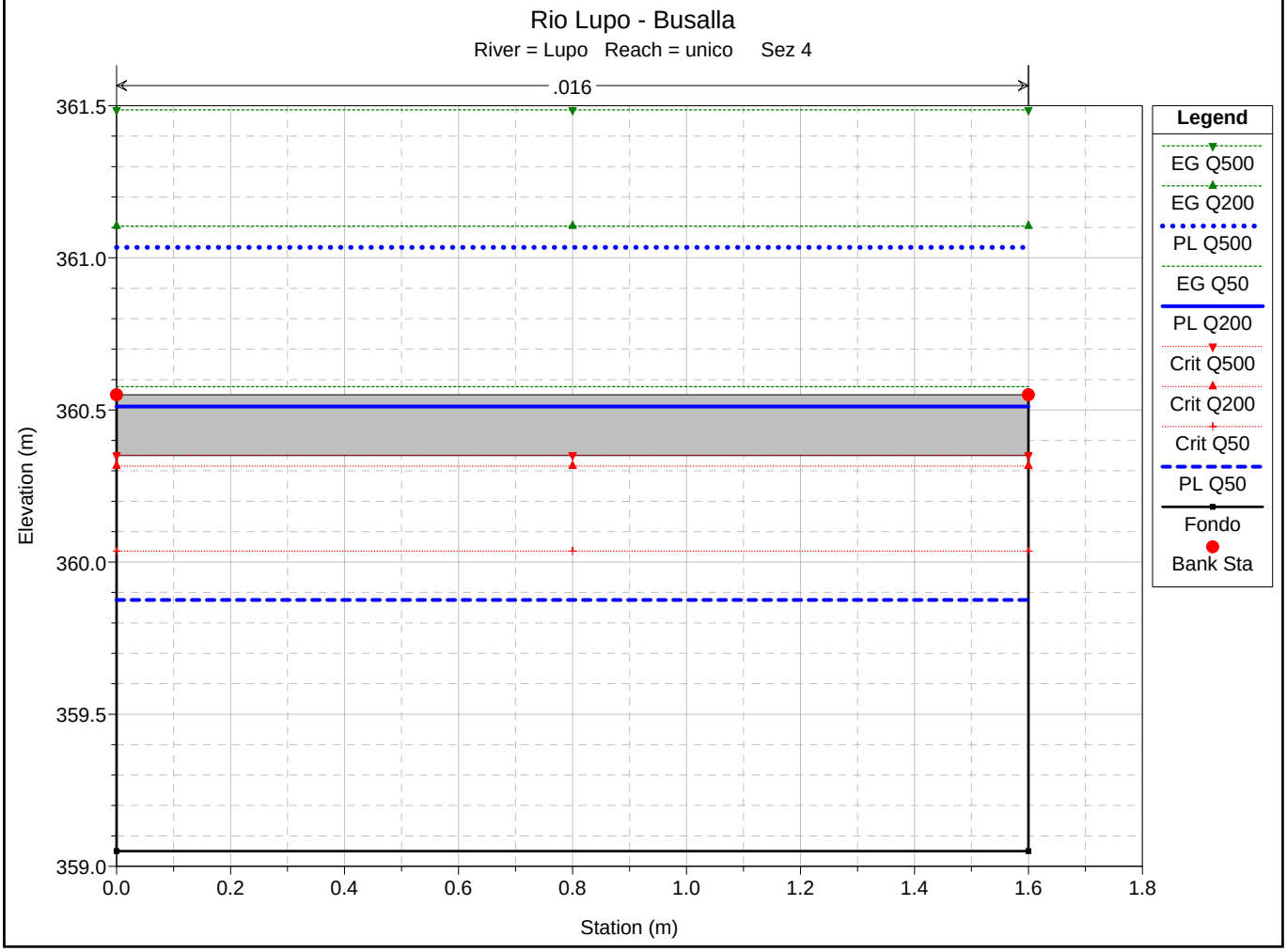

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 6.3
.016
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
Crit Q500
EG Q50
Crit Q200
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

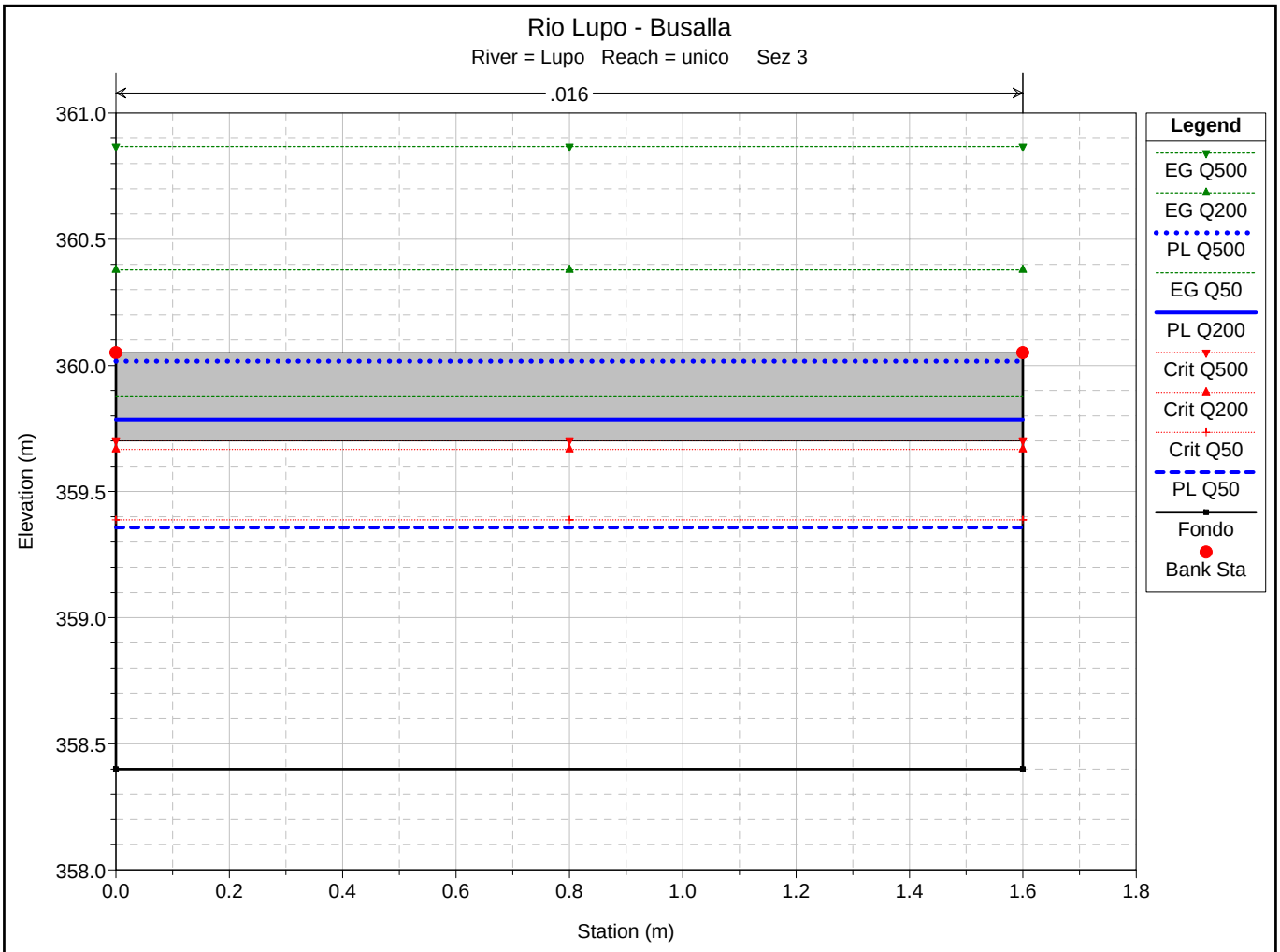

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 6.2
.016
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
Crit Q500
EG Q50
Crit Q200
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

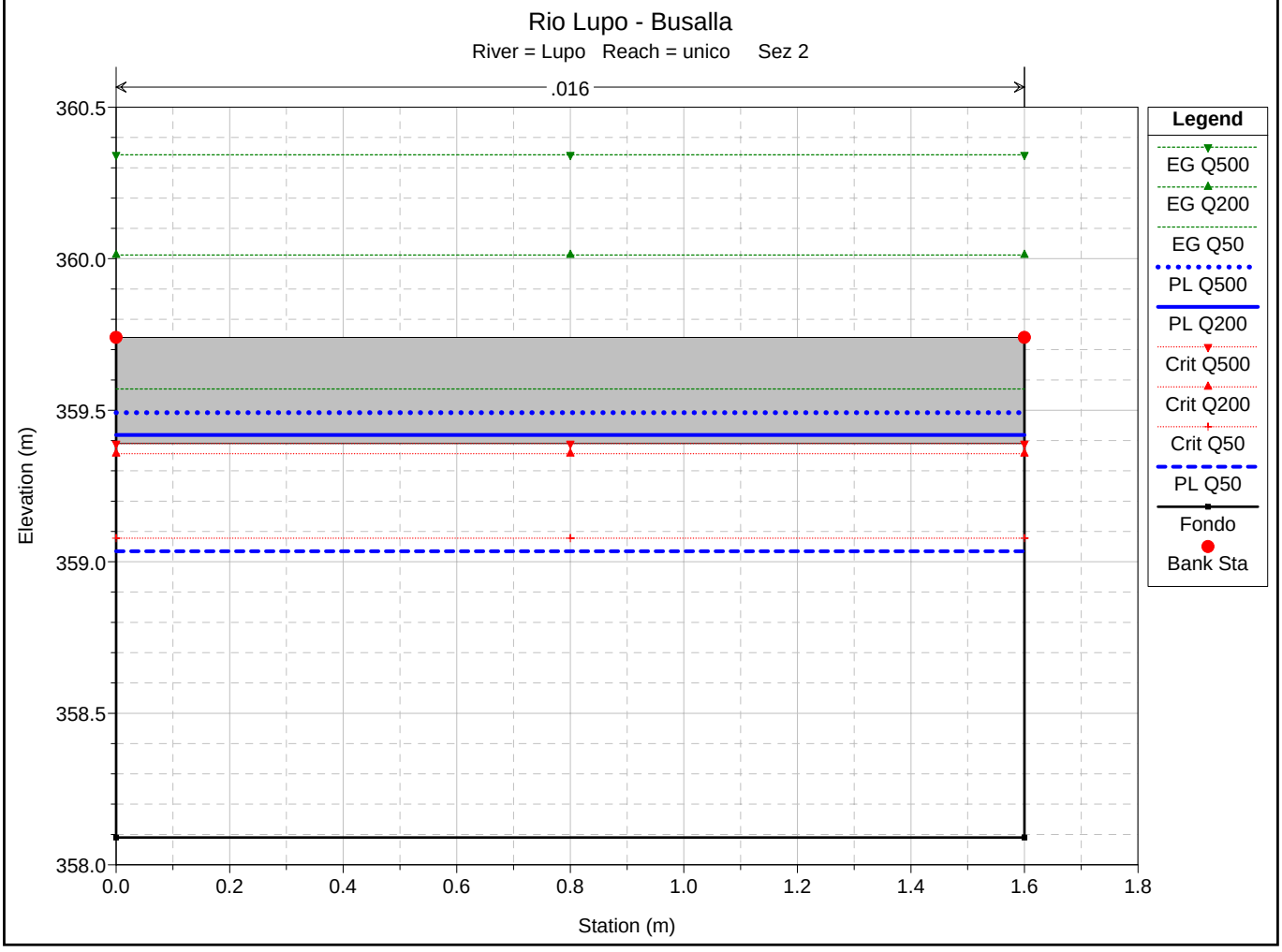

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 6.1
.016
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

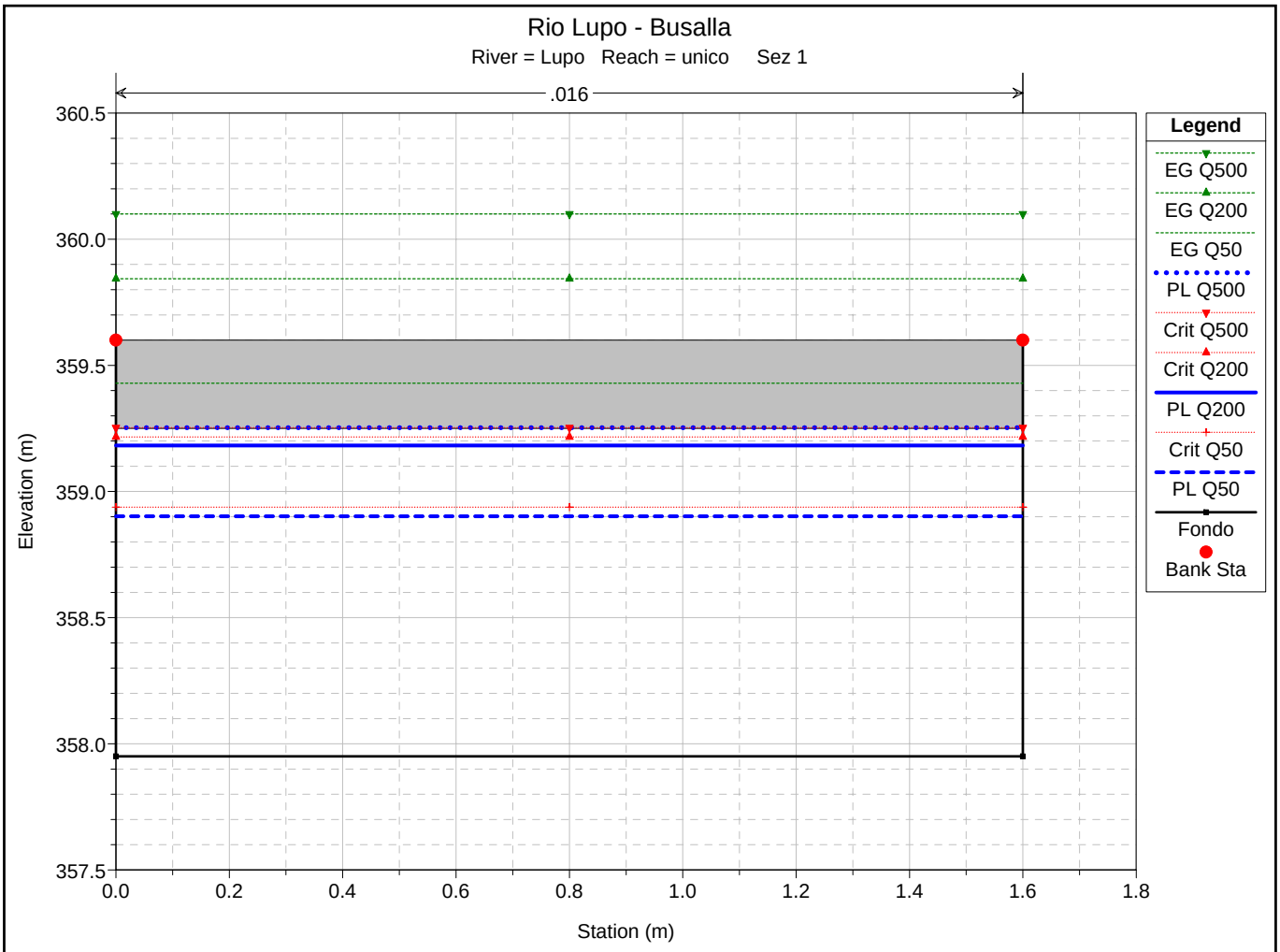

Rio Lupo - Busalla
River = Lupo Reach = unico Sez 6
.016
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Rio Lupo - Busalla
River = Lupo Reach = unico Sez 5
.016
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Rio Lupo - Busalla
River = Lupo Reach = unico Sez 4
.016
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
Crit Q50
PL Q50
Fondo
Bank Sta


Rio Lupo - Busalla
River = Lupo Reach = unico Sez 3
.016
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
Crit Q50
PL Q50
Fondo
Bank Sta


Rio Lupo - Busalla
River = Lupo Reach = unico Sez 2
.016
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
Crit Q200
Crit Q50
PL Q50
Fondo
Bank Sta


Rio Lupo - Busalla
River = Lupo Reach = unico Sez 1
.016
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
360.5
360.0
359.5
359.0
358.5
358.0
357.5
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8

HEC-RAS Plan: 00_Lupo River: Lupo Reach: unico

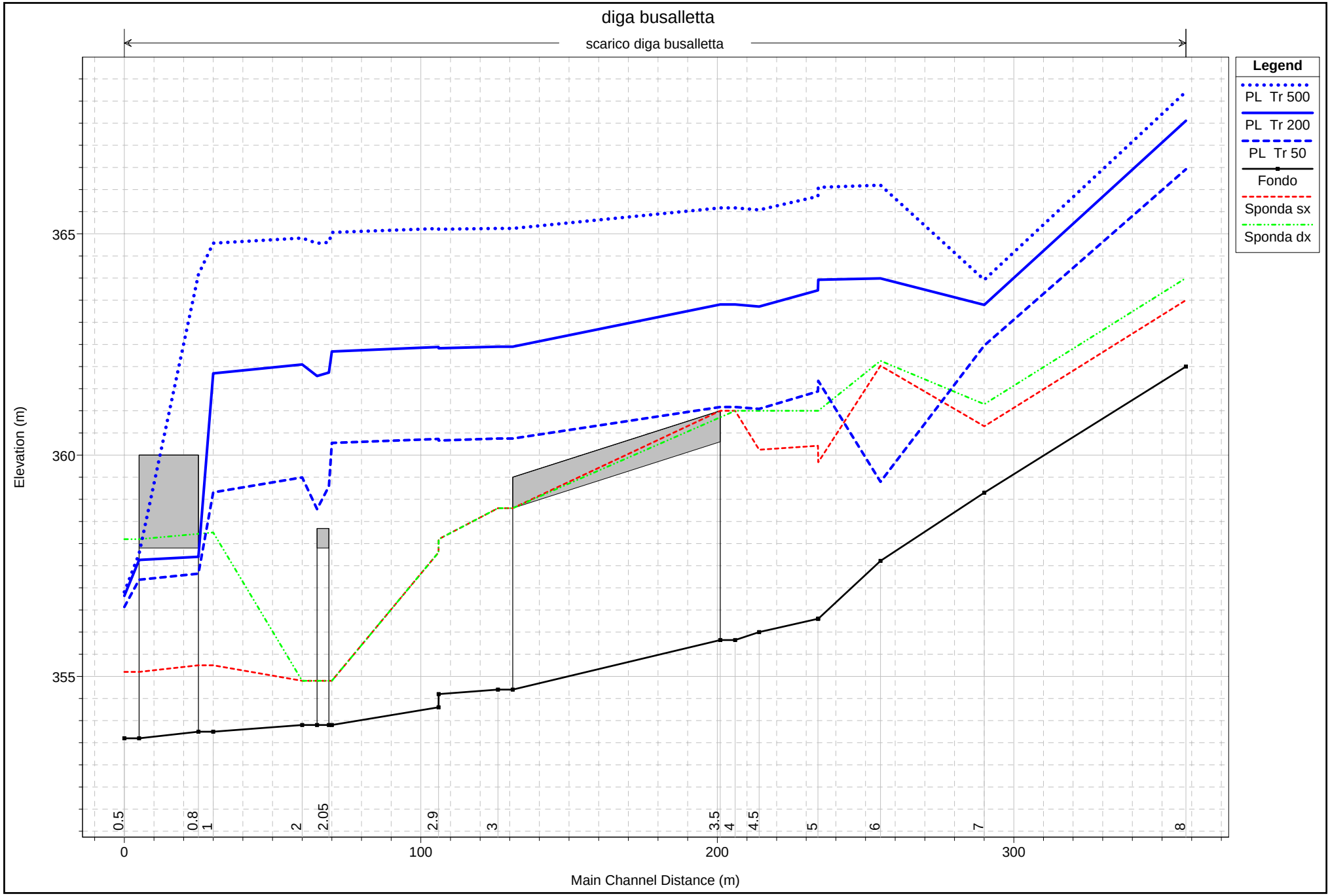
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
unico	11 Sez 11	Q50	4.90	364.73	365.53	366.84	1.31	365.54	0.01	365.53	365.79	0.003722	2.26	2.17	4.09	0.99
unico	11 Sez 11	Q200	7.10	364.73	365.68	366.84	1.16	365.54	-0.14	365.68	366.00	0.003712	2.54	2.80	4.21	1.00
unico	11 Sez 11	Q500	8.50	364.73	365.76	366.84	1.08	365.54	-0.22	365.76	366.13	0.003774	2.71	3.14	4.22	1.00
unico	10.1 Sez 10	Q50	4.90	364.24	364.62	366.03	1.41	365.54	0.92	364.90	365.62	0.024936	4.42	1.11	3.07	2.35
unico	10.1 Sez 10	Q200	7.10	364.24	364.76	366.03	1.27	365.54	0.78	365.08	365.85	0.019453	4.62	1.54	3.09	2.09
unico	10.1 Sez 10	Q500	8.50	364.24	364.85	366.03	1.18	365.54	0.69	365.19	365.98	0.017354	4.72	1.80	3.11	1.98
unico	10 Sez 10	Q50	4.90	363.59	363.95	366.03	2.08	365.54	1.59	364.30	365.53	0.049495	5.57	0.88	3.01	3.28
unico	10 Sez 10	Q200	7.10	363.59	364.06	366.03	1.97	365.54	1.48	364.49	365.76	0.037256	5.78	1.23	3.01	2.89
unico	10 Sez 10	Q500	8.50	363.59	364.14	366.03	1.89	365.54	1.40	364.59	365.90	0.032701	5.88	1.45	3.01	2.71
unico	9 Sez 9	Q50	4.90	363.42	363.81	365.97	2.16	365.55	1.74	364.19	365.47	0.048242	5.70	0.86	2.79	3.27
unico	9 Sez 9	Q200	7.10	363.42	363.93	365.97	2.04	365.55	1.62	364.38	365.72	0.036763	5.92	1.20	2.81	2.89
unico	9 Sez 9	Q500	8.50	363.42	364.01	365.97	1.96	365.55	1.54	364.49	365.85	0.032442	6.02	1.41	2.83	2.72
unico	8.1 Sez 8	Q50	4.90	363.00	363.47	365.24	1.77	364.74	1.27	363.90	365.14	0.039767	5.73	0.86	1.84	2.68
unico	8.1 Sez 8	Q200	7.10	363.00	363.65	365.24	1.59	364.74	1.09	364.16	365.44	0.032170	5.92	1.20	1.85	2.35
unico	8.1 Sez 8	Q500	8.50	363.00	363.77	365.24	1.47	364.74	0.97	364.30	365.61	0.029318	6.02	1.41	1.86	2.20
unico	8 Sez 8	Q50	4.90	362.14	362.59	365.24	2.65	364.74	2.15	363.11	365.01	0.065842	6.90	0.71	1.75	3.46
unico	8 Sez 8	Q200	7.10	362.14	362.75	365.24	2.49	364.74	1.99	363.36	365.32	0.052216	7.10	1.00	1.77	3.02
unico	8 Sez 8	Q500	8.50	362.14	362.85	365.24	2.39	364.74	1.89	363.52	365.50	0.047221	7.21	1.18	1.79	2.83
unico	7 Sez 7	Q50	4.90	362.18	362.55	364.06	1.51	363.75	1.20	363.01	364.69	0.060456	6.48	0.76	2.09	3.44
unico	7 Sez 7	Q200	7.10	362.18	364.32	364.06	-0.26	363.75	-0.57	363.25	364.44	0.000832	1.49	4.76	2.37	0.34
unico	7 Sez 7	Q500	8.50	362.18	364.53	364.06	-0.47	363.75	-0.78	363.38	364.66	0.000933	1.62	5.25	2.37	0.35
unico	6.9 Sez 6.9	Q50	4.90	362.17	362.57	363.12	0.55	363.12	0.55	363.00	364.38	0.046958	5.95	0.82	2.10	3.04
unico	6.9 Sez 6.9	Q200	7.10	362.17	364.06	363.12	-0.94	363.12	-0.94	363.88	364.41	0.008542	2.59	2.74	2.37	0.61
unico	6.9 Sez 6.9	Q500	8.50	362.17	364.30	363.12	-1.18	363.12	-1.18	364.00	364.64	0.007062	2.58	3.29	2.37	0.57
unico	6.3 Sez 6.3	Q50	4.90	362.14	362.64	363.12	0.48	363.12	0.48	362.97	363.77	0.023621	4.71	1.04	2.12	2.14
unico	6.3 Sez 6.3	Q200	7.10	362.14	362.85	363.12	0.27	363.12	0.27	363.12	364.03	0.018340	4.81	1.47	2.16	1.86
unico	6.3 Sez 6.3	Q500	8.50	362.14	364.10	363.12	-0.98	363.12	-0.98	363.97	364.54	0.010239	2.92	2.91	2.37	0.67
unico	6.2 Sez 6.2	Q50	4.90	362.14	362.65	363.12	0.47	363.12	0.47	362.97	363.74	0.022185	4.61	1.06	2.12	2.08
unico	6.2 Sez 6.2	Q200	7.10	362.14	362.86	363.12	0.26	363.12	0.26	363.12	364.00	0.017386	4.72	1.50	2.16	1.81
unico	6.2 Sez 6.2	Q500	8.50	362.14	363.97	363.12	-0.85	363.12	-0.85	363.97	364.52	0.014354	3.27	2.60	2.36	0.78
unico	6.1 Sez 6.1	Q50	4.90	360.26	360.74	362.21	1.47	362.21	1.47	361.25	362.82	0.052125	6.39	0.77	1.60	2.95
unico	6.1 Sez 6.1	Q200	7.10	360.26	360.92	362.21	1.29	362.21	1.29	361.53	363.21	0.044500	6.70	1.06	1.60	2.63
unico	6.1 Sez 6.1	Q500	8.50	360.26	361.01	362.21	1.20	362.21	1.20	361.68	363.58	0.045949	7.11	1.20	1.60	2.62
unico	6 Sez 6	Q50	4.90	360.26	360.75	362.21	1.46	362.21	1.46	361.25	362.74	0.049078	6.26	0.78	1.60	2.85
unico	6 Sez 6	Q200	7.10	360.26	360.93	362.21	1.28	362.21	1.28	361.53	363.14	0.042428	6.58	1.08	1.60	2.56
unico	6 Sez 6	Q500	8.50	360.26	361.02	362.21	1.19	362.21	1.19	361.68	363.51	0.044011	6.99	1.22	1.60	2.56
unico	5 Sez 5	Q50	4.90	359.60	360.16	360.90	0.74	360.90	0.74	360.59	361.69	0.033959	5.49	0.89	1.60	2.34
unico	5 Sez 5	Q200	7.10	359.60	360.34	360.90	0.56	360.90	0.56	360.87	362.19	0.033526	6.04	1.18	1.60	2.25
unico	5 Sez 5	Q500	8.50	359.60	360.43	360.90	0.47	360.90	0.47	360.90	362.51	0.034443	6.38	1.33	1.60	2.23
unico	4 Sez 4	Q50	4.90	359.05	359.88	360.35	0.47	360.35	0.47	360.04	360.58	0.011707	3.71	1.32	1.60	1.30

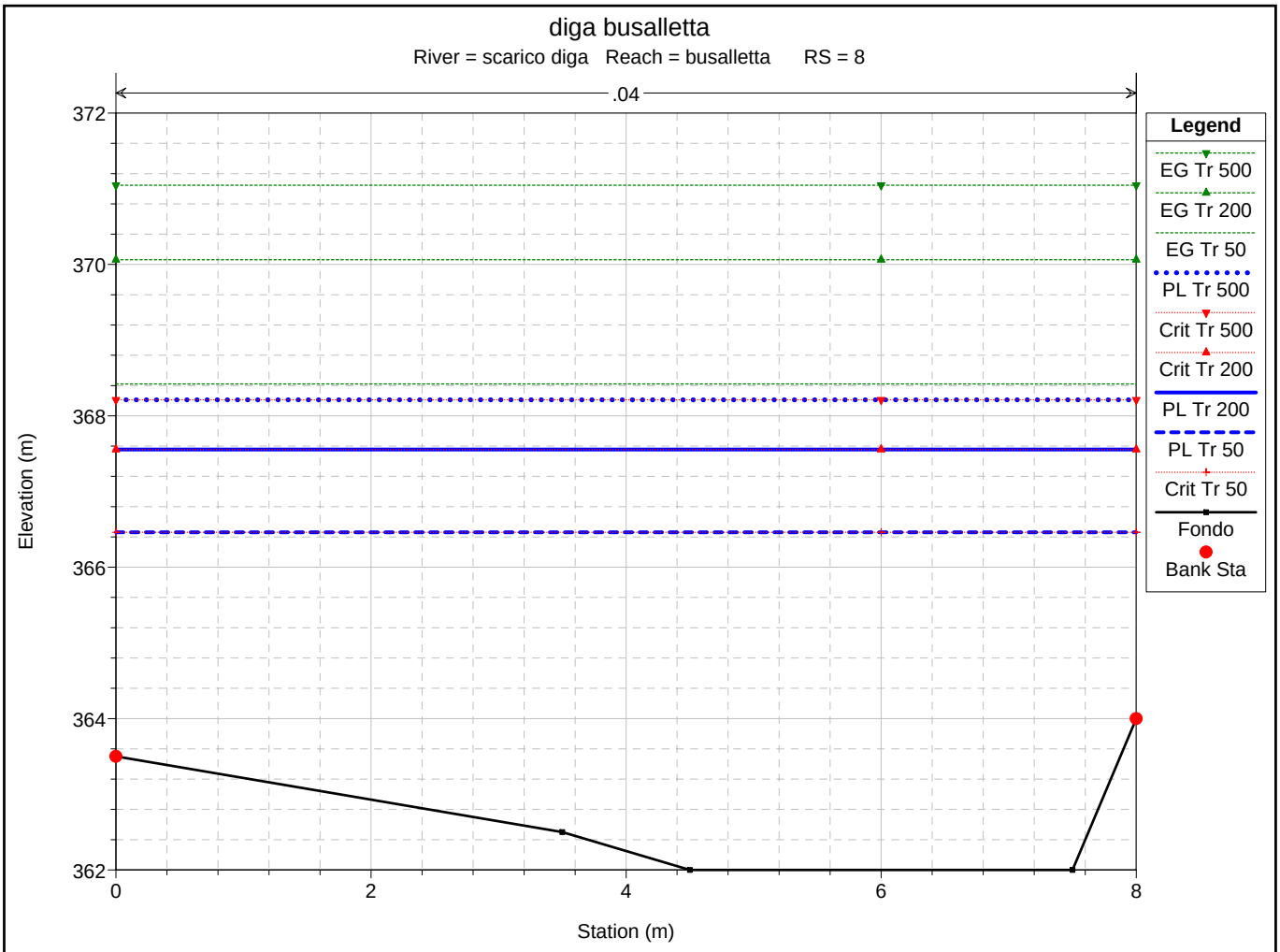
HEC-RAS Plan: 00_Lupo River: Lupo Reach: unico (Continued)

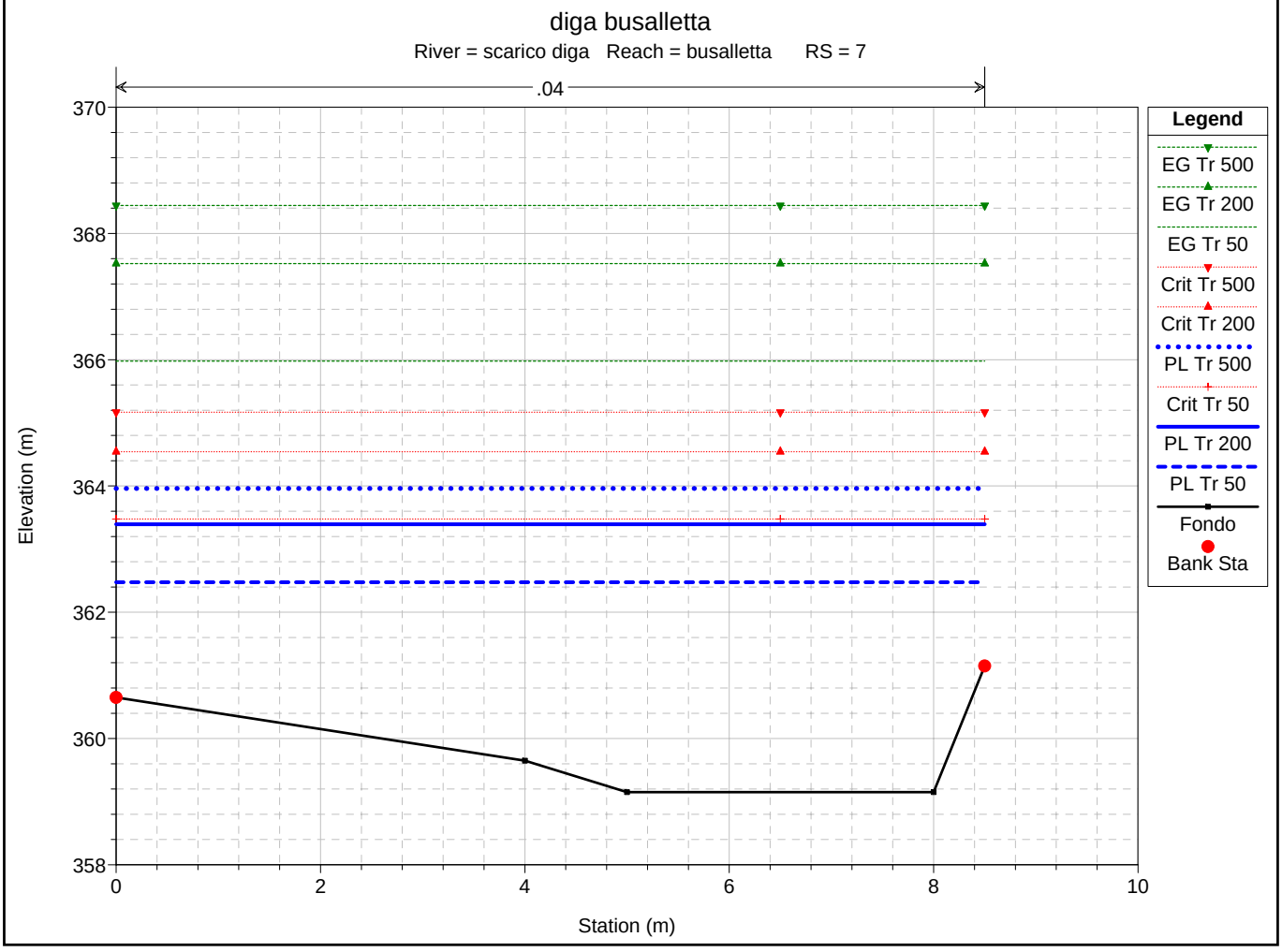
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
unico	4 Sez 4	Q200	7.10	359.05	360.51	360.35	-0.16	360.35	-0.16	360.32	361.10	0.011702	3.41	2.08		0.90
unico	4 Sez 4	Q500	8.50	359.05	361.03	360.35	-0.68	360.35	-0.68	360.35	361.49	0.008076	2.98	2.86	1.60	0.67
unico	3 Sez 3	Q50	4.90	358.40	359.36	359.70	0.34	359.70	0.34	359.39	359.88	0.007926	3.20	1.53	1.60	1.04
unico	3 Sez 3	Q200	7.10	358.40	359.78	359.70	-0.08	359.70	-0.08	359.67	360.38	0.011710	3.41	2.08		0.93
unico	3 Sez 3	Q500	8.50	358.40	360.02	359.70	-0.32	359.70	-0.32	359.70	360.87	0.016783	4.09	2.08		1.03
unico	2 Sez 2	Q50	4.90	358.09	359.03	359.39	0.36	359.39	0.36	359.08	359.57	0.008214	3.24	1.51	1.60	1.07
unico	2 Sez 2	Q200	7.10	358.09	359.42	359.39	-0.03	359.39	-0.03	359.36	360.01	0.011711	3.41	2.08		0.95
unico	2 Sez 2	Q500	8.50	358.09	359.49	359.39	-0.10	359.39	-0.10	359.39	360.34	0.016784	4.09	2.08		1.10
unico	1 Sez 1	Q50	4.90	357.95	358.90	359.25	0.35	359.25	0.35	358.94	359.43	0.008049	3.22	1.52	1.60	1.05
unico	1 Sez 1	Q200	7.10	357.95	359.18	359.25	0.07	359.25	0.07	359.22	359.84	0.008714	3.60	1.97	1.60	1.04
unico	1 Sez 1	Q500	8.50	357.95	359.25	359.25	0.00	359.25	0.00	359.25	360.10	0.010830	4.08	2.08	1.60	1.14

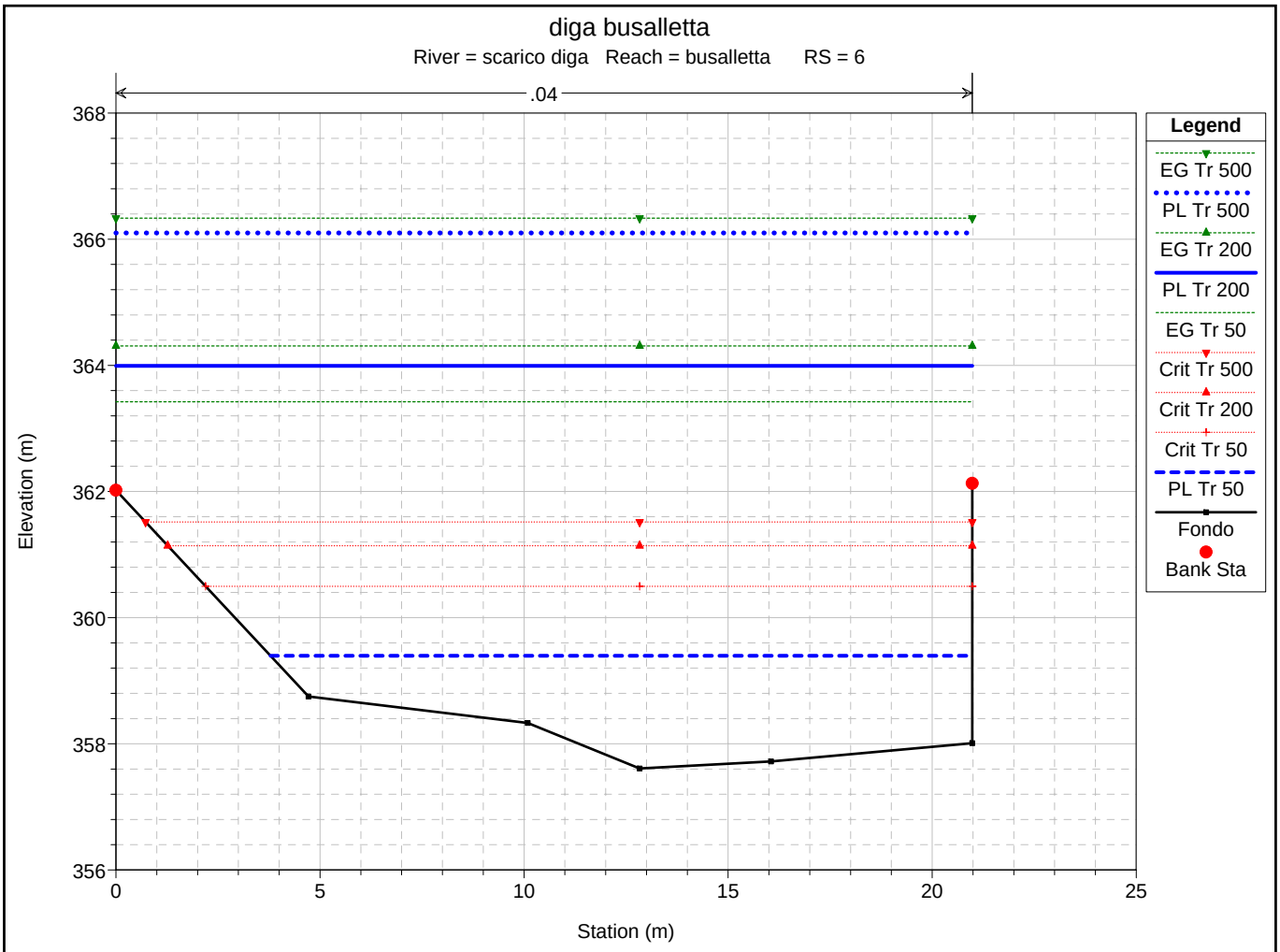
Torrente Busalletta

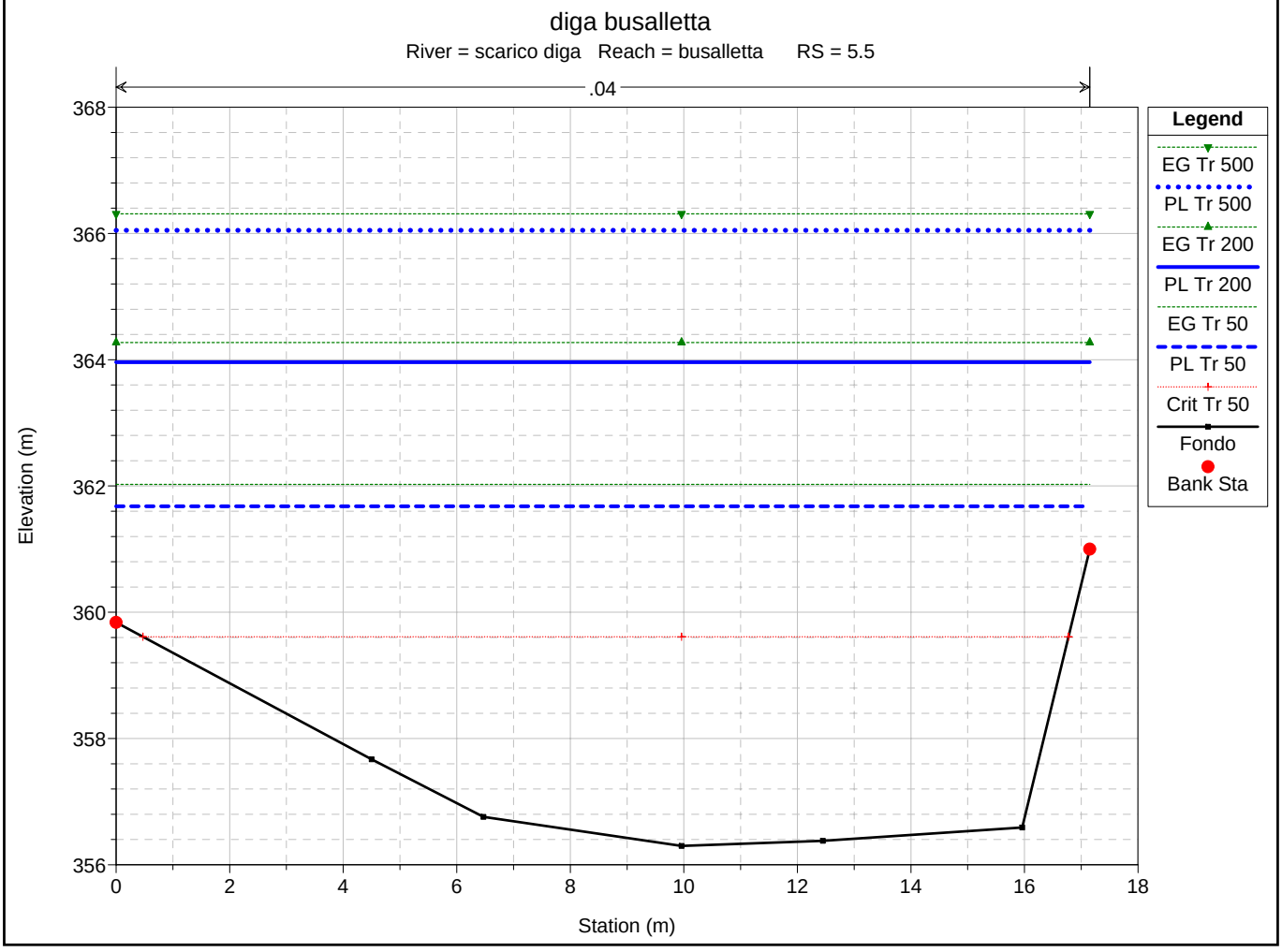
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

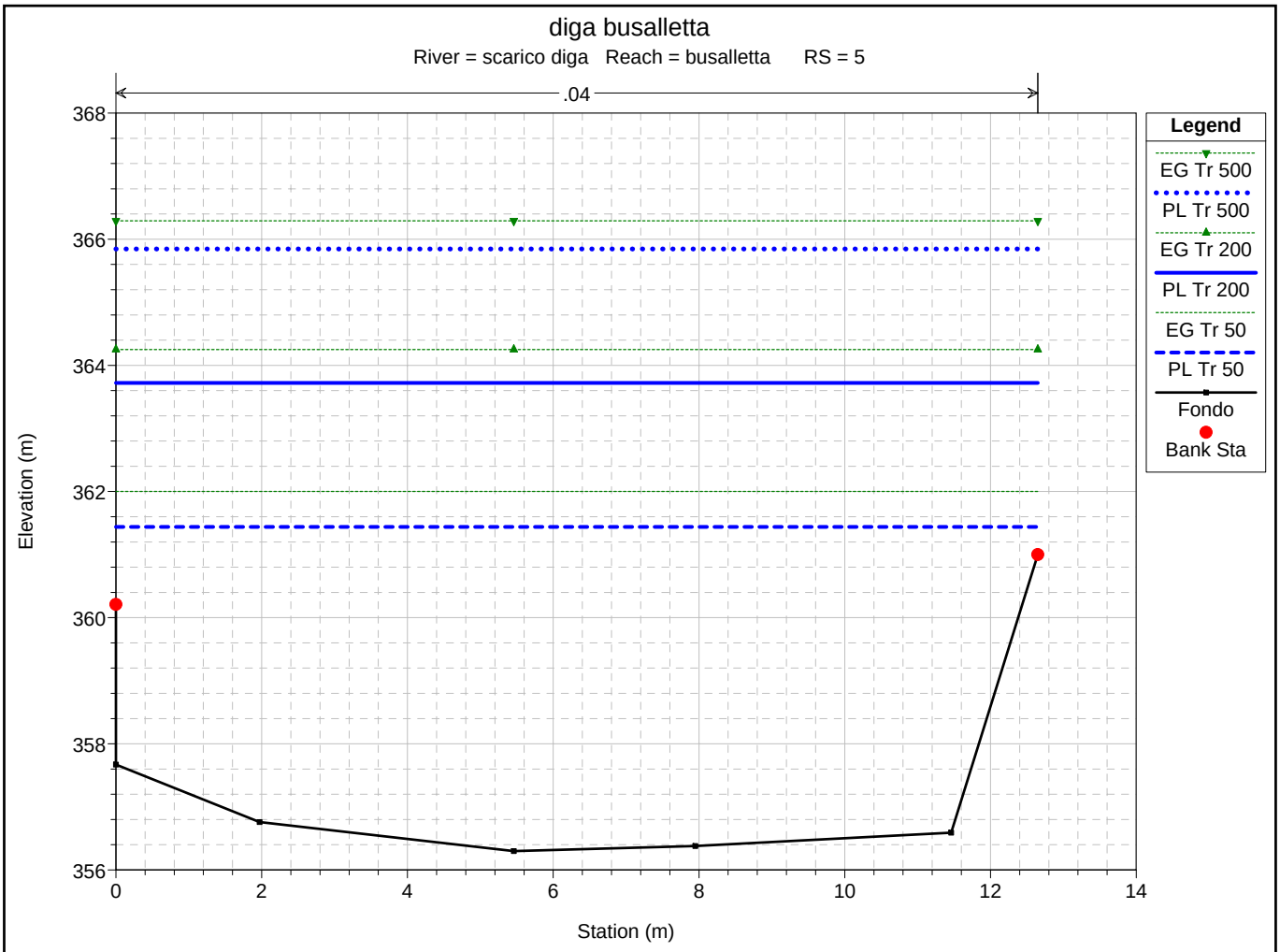

diga busalletta
scarico diga busalletta
Legend
PL Tr 500
PL Tr 200
PL Tr 50
Fondo
Sponda sx
Sponda dx
Elevation (m)
365
360
355
0.5
0.8
1
2
2.05
2.9
3
3.5
4
4.5
5
6
7
8
0
100
200
300
Main Channel Distance (m)

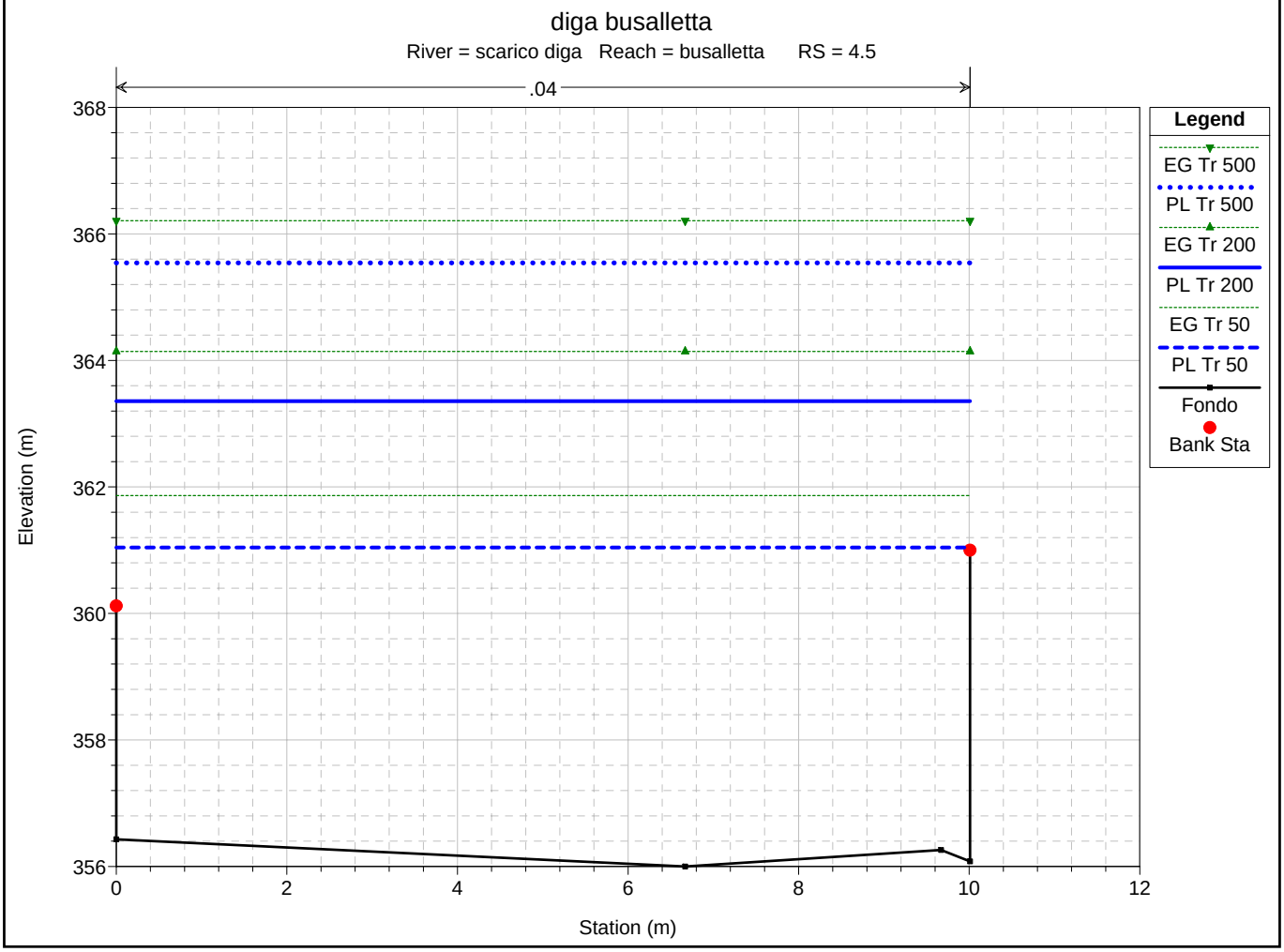

diga busalletta
River = scarico diga Reach = busalletta RS = 8
.04
Elevation (m)
372
370
368
366
364
362
0
2
4
6
8
Station (m)
Legend
EG Tr 500
EG Tr 200
EG Tr 50
PL Tr 500
Crit Tr 500
Crit Tr 200
PL Tr 200
PL Tr 50
Crit Tr 50
Fondo
Bank Sta

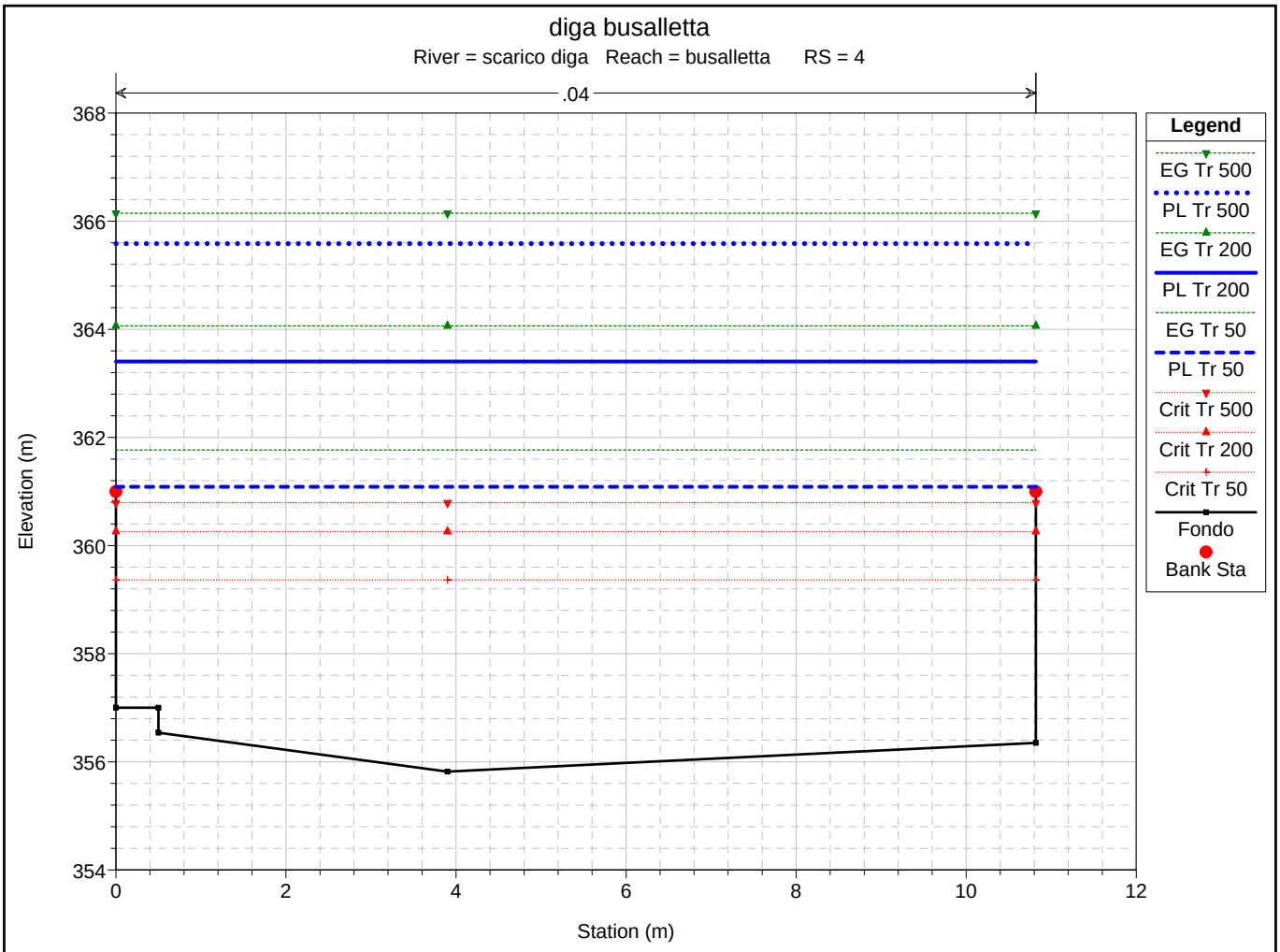

diga busalletta
River = scarico diga Reach = busalletta RS = 7
.04
Elevation (m)
370
368
366
364
362
360
358
0
2
4
6
8
10
Station (m)
Legend
EG Tr 500
EG Tr 200
EG Tr 50
Crit Tr 500
Crit Tr 200
PL Tr 500
Crit Tr 50
PL Tr 200
PL Tr 50
Fondo
Bank Sta

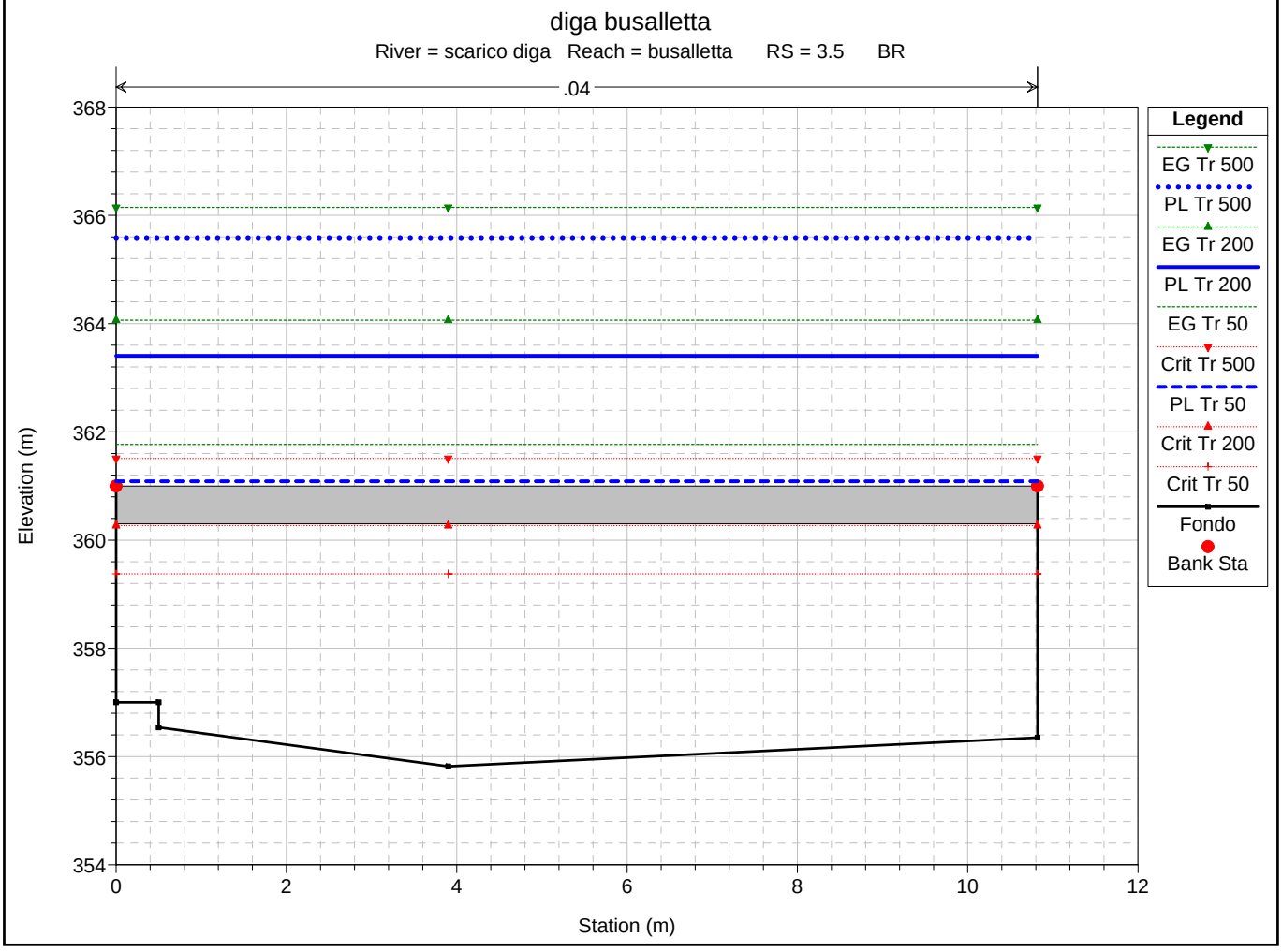

diga busalletta
River = scarico diga Reach = busalletta RS = 6
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
Crit Tr 500
Crit Tr 200
Crit Tr 50
PL Tr 50
Fondo
Bank Sta

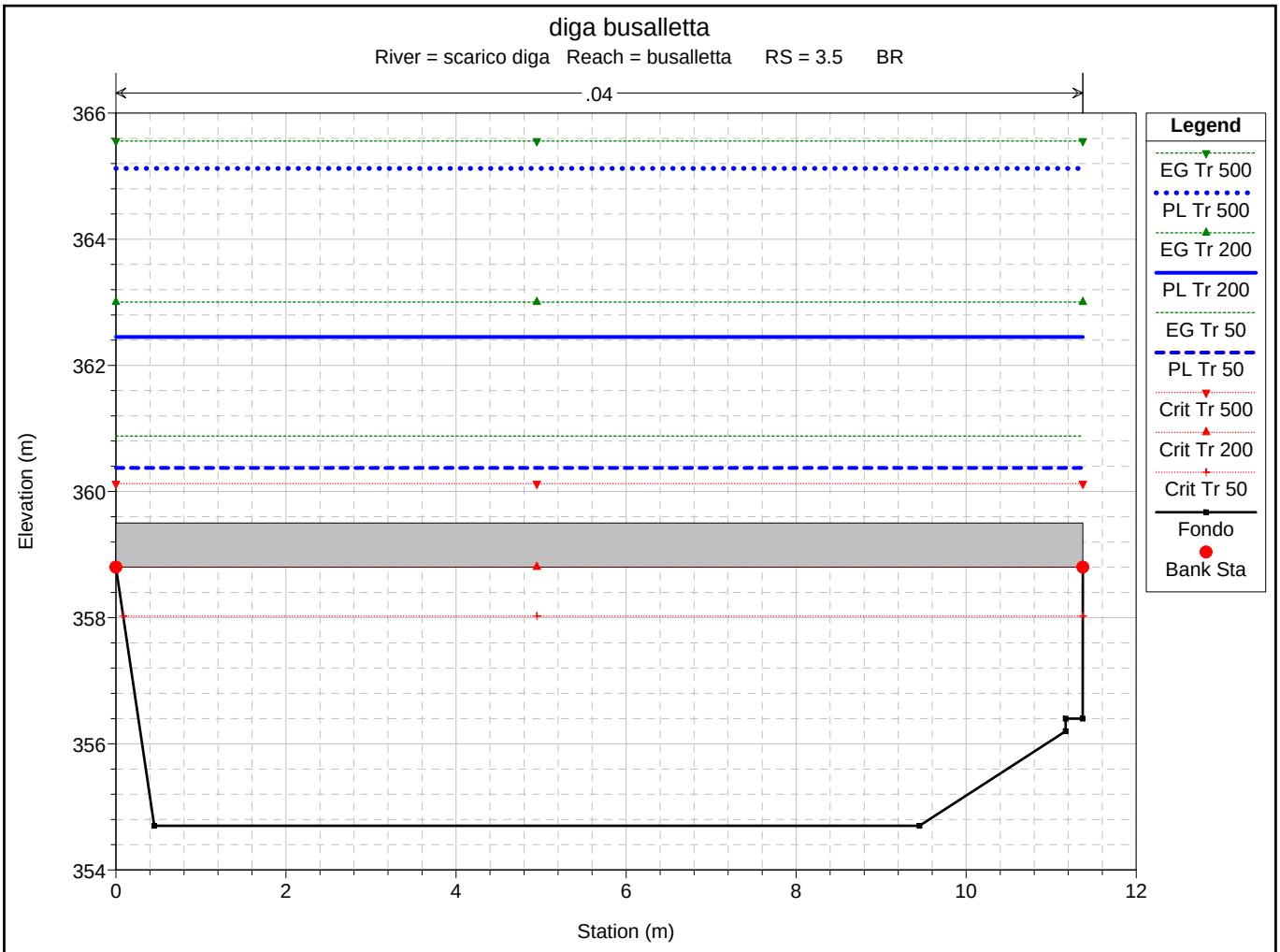

diga busalletta
River = scarico diga Reach = busalletta RS = 5.5
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Crit Tr 50
Fondo
Bank Sta

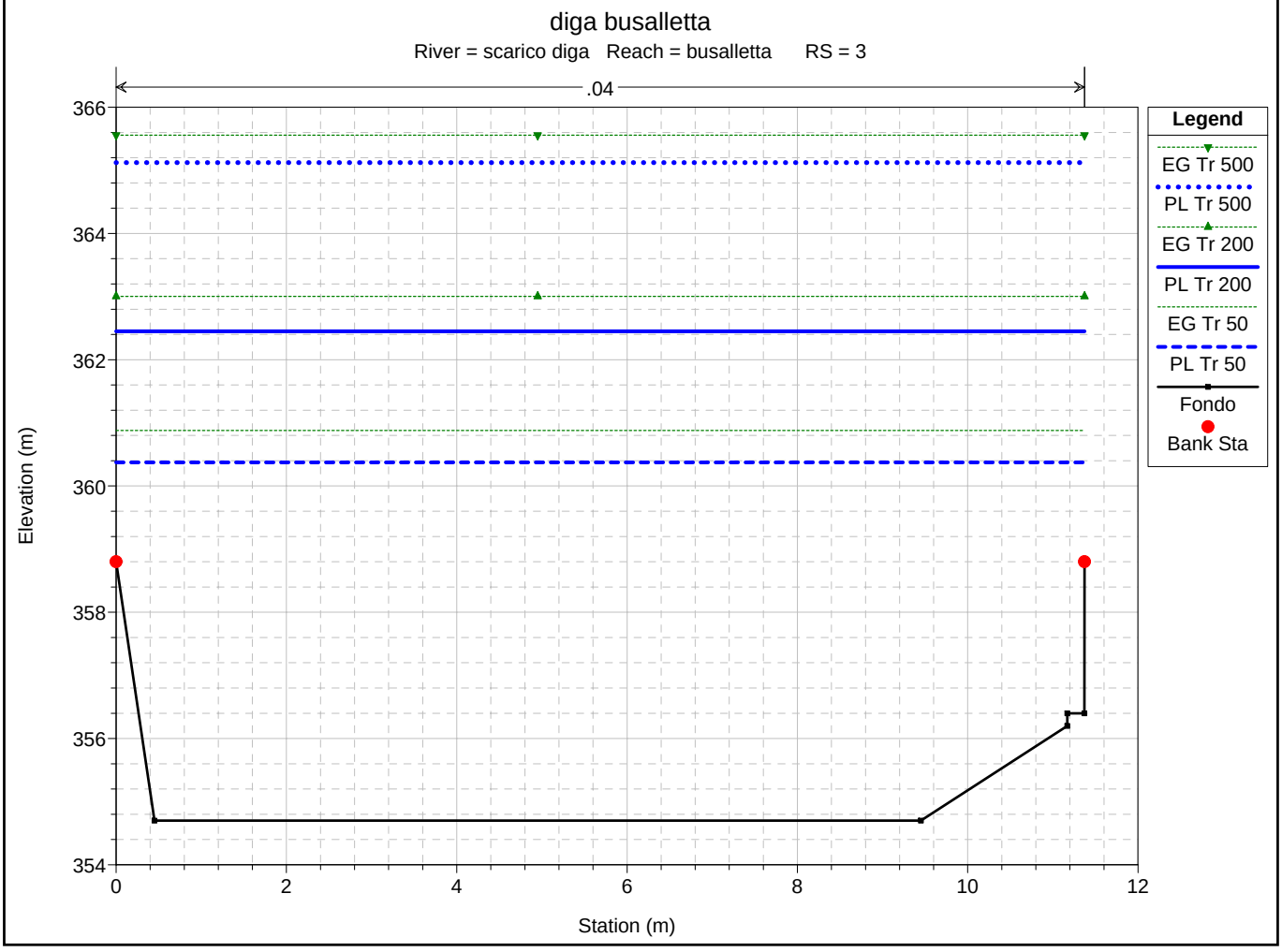

diga busalletta
River = scarico diga Reach = busalletta RS = 5
.04
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Fondo
Bank Sta
Elevation (m)
Station (m)
368
366
364
362
360
358
356
0
2
4
6
8
10
12
14

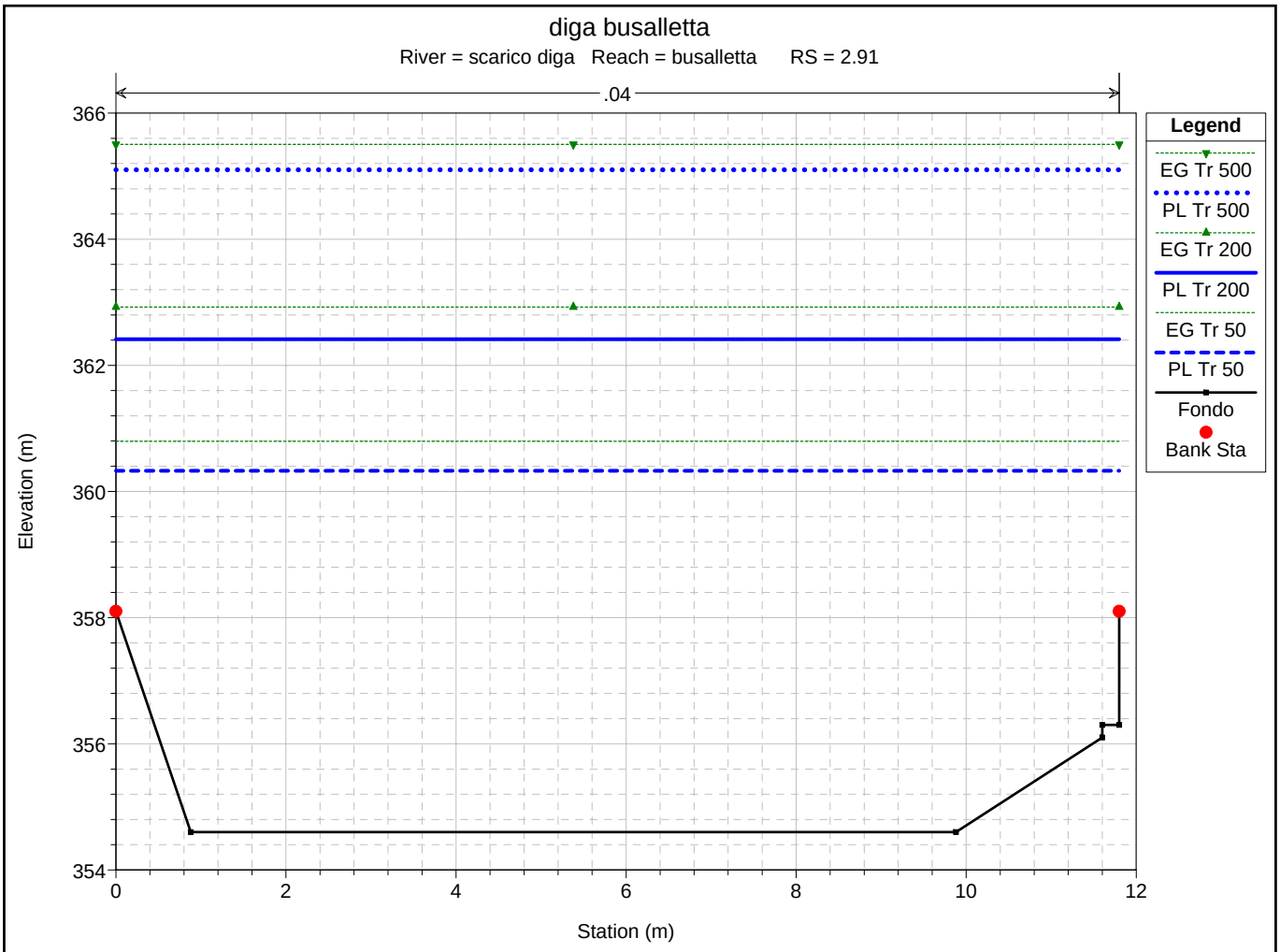

diga busalletta
River = scarico diga Reach = busalletta RS = 4.5
.04
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Fondo
Bank Sta
Elevation (m)
Station (m)
368
366
364
362
360
358
356
0
2
4
6
8
10
12

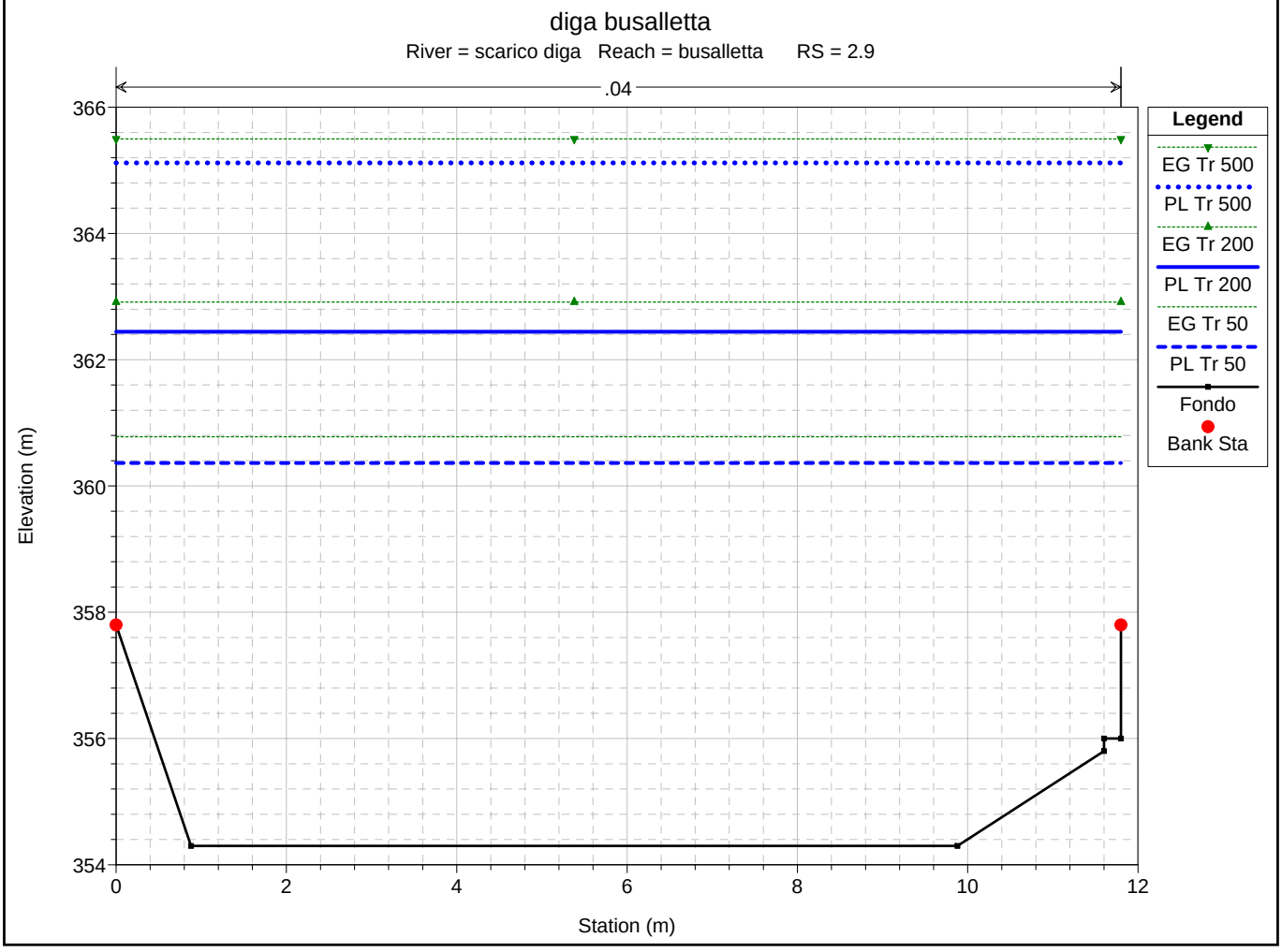

diga busalletta
River = scarico diga Reach = busalletta RS = 4
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Crit Tr 500
Crit Tr 200
Crit Tr 50
Fondo
Bank Sta

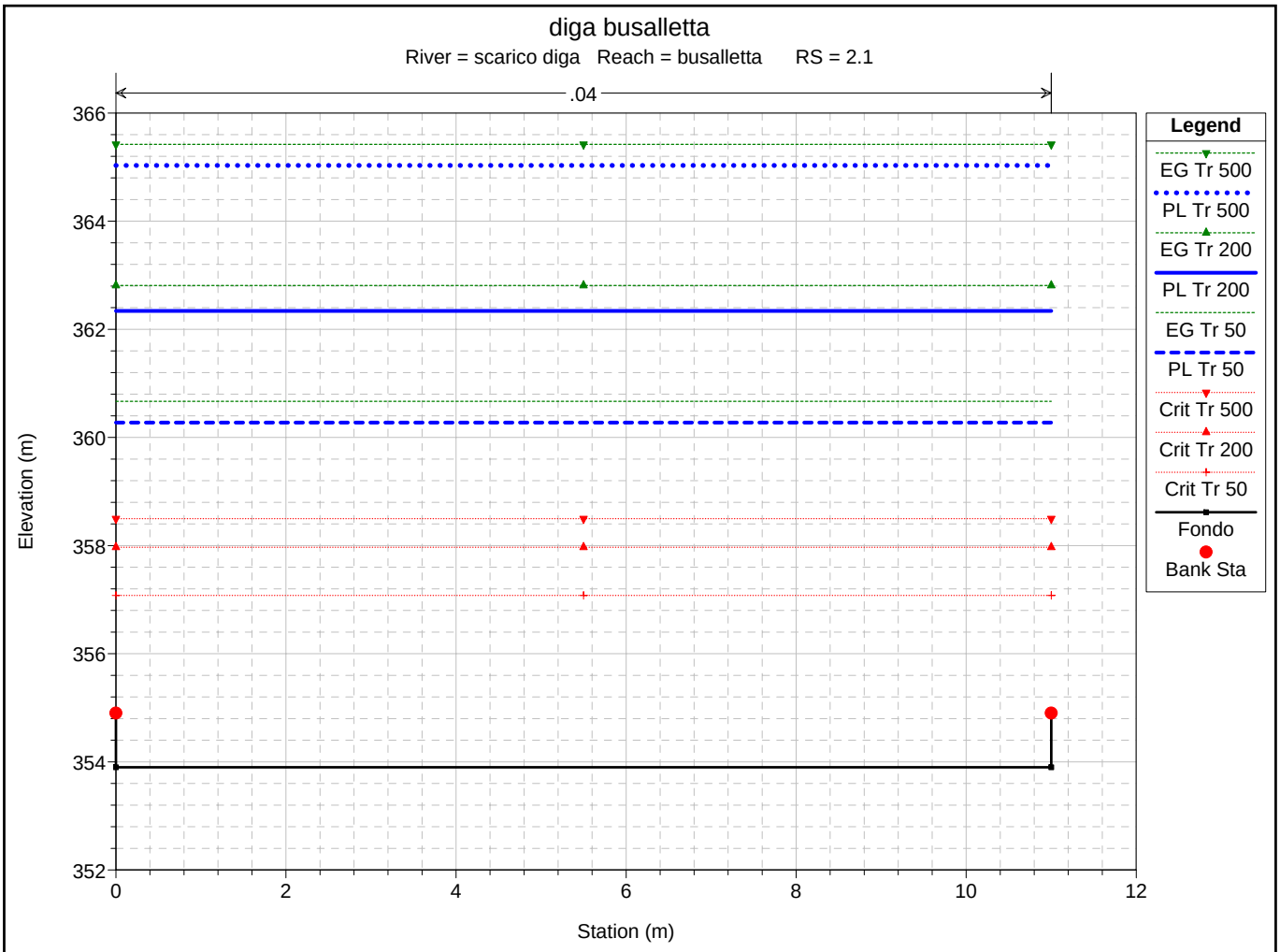

diga busalletta
River = scarico diga Reach = busalletta RS = 3.5 BR
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
Crit Tr 500
PL Tr 50
Crit Tr 200
Crit Tr 50
Fondo
Bank Sta

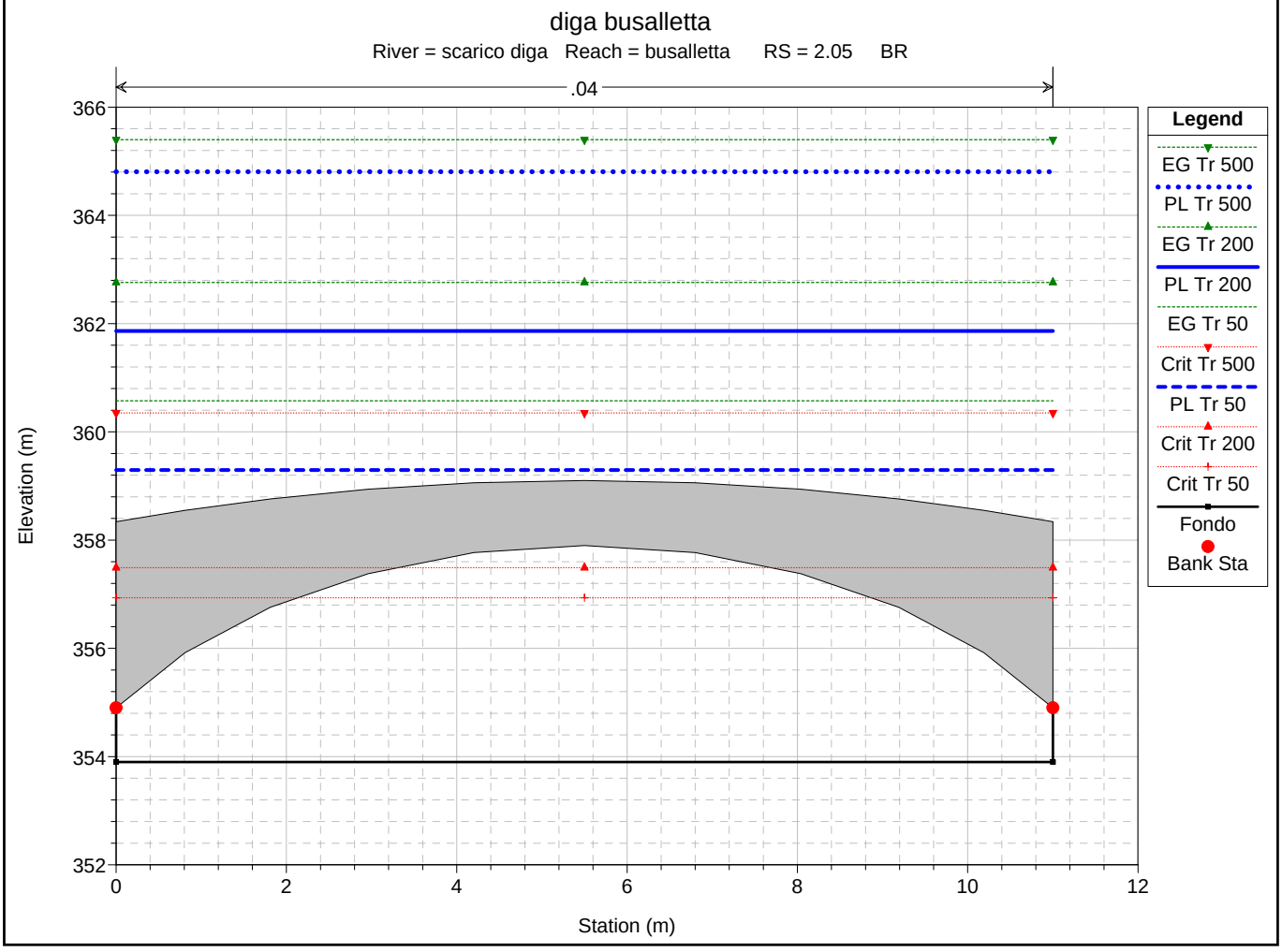

diga busalletta
River = scarico diga Reach = busalletta RS = 3.5 BR
.04
Elevation (m)
366
364
362
360
358
356
354
0
2
4
6
8
10
12
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Crit Tr 500
Crit Tr 200
Crit Tr 50
Fondo
Bank Sta

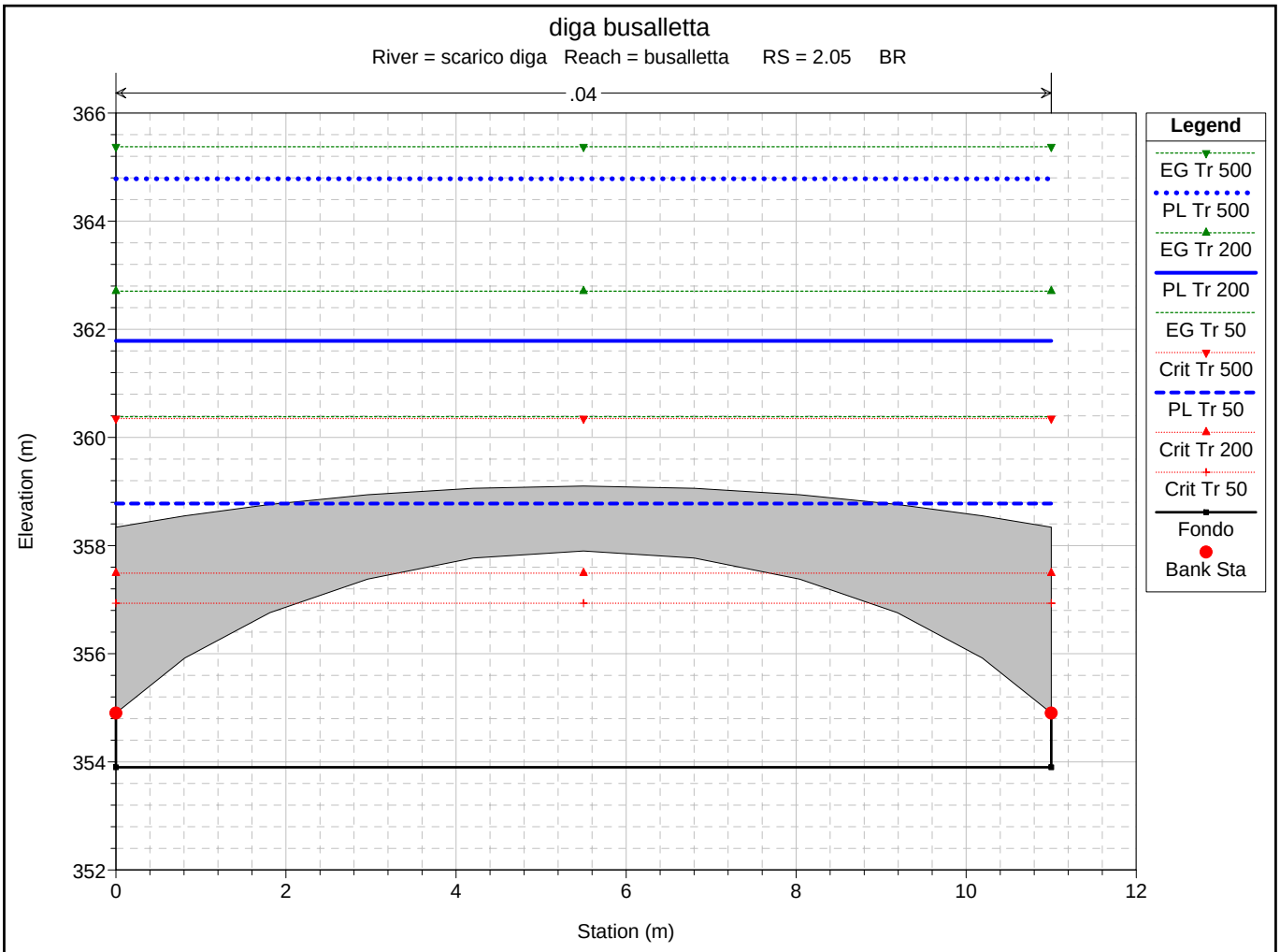

diga busalletta
River = scarico diga Reach = busalletta RS = 3
.04
Elevation (m)
366
364
362
360
358
356
354
0
2
4
6
8
10
12
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Fondo
Bank Sta

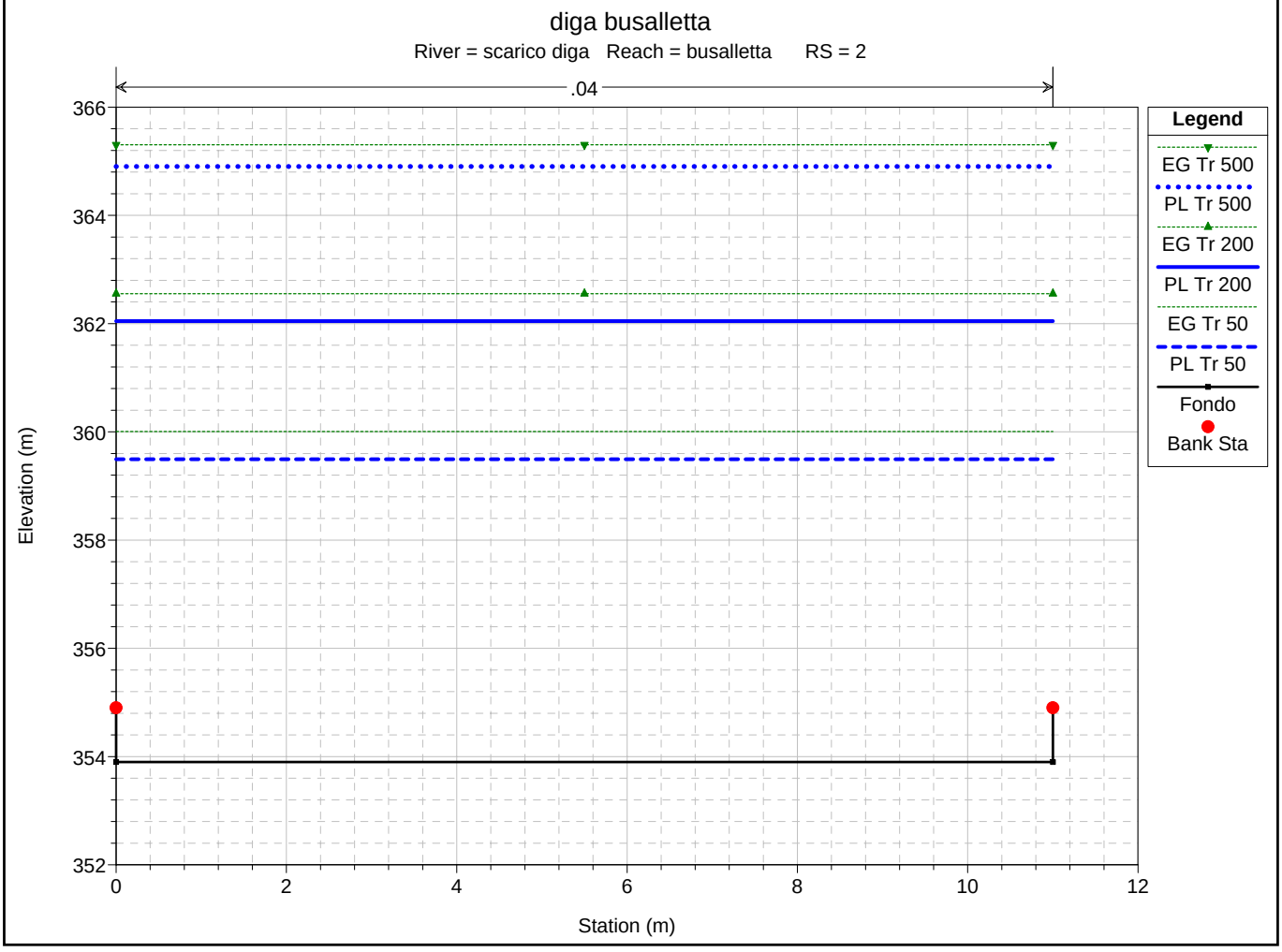

diga busalletta
River = scarico diga Reach = busalletta RS = 2.91
.04
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Fondo
Bank Sta
Elevation (m)
Station (m)
366
364
362
360
358
356
354
0
2
4
6
8
10
12

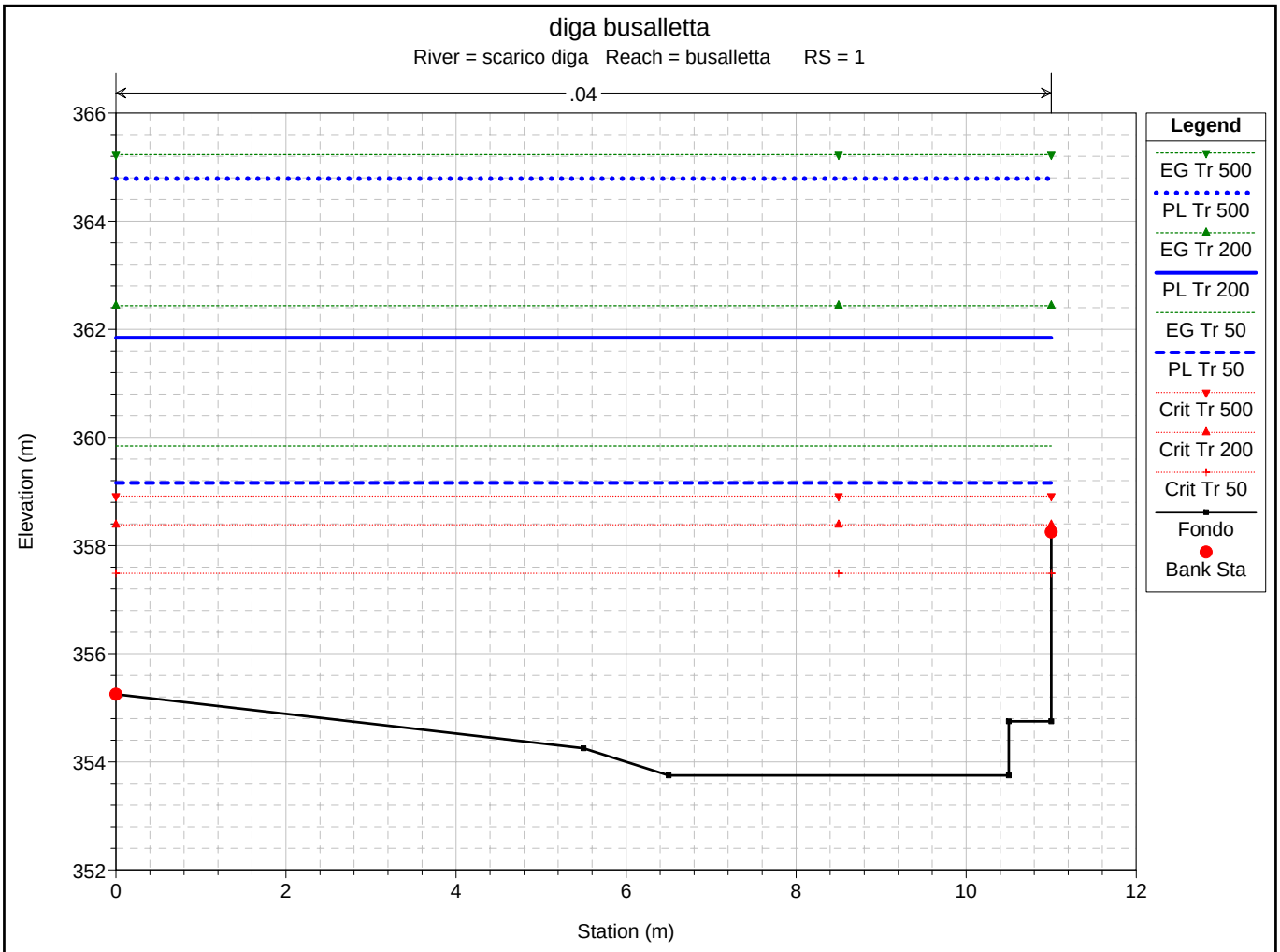

diga busalletta
River = scarico diga Reach = busalletta RS = 2.9
.04
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Fondo
Bank Sta
Elevation (m)
Station (m)
366
364
362
360
358
356
354
0
2
4
6
8
10
12

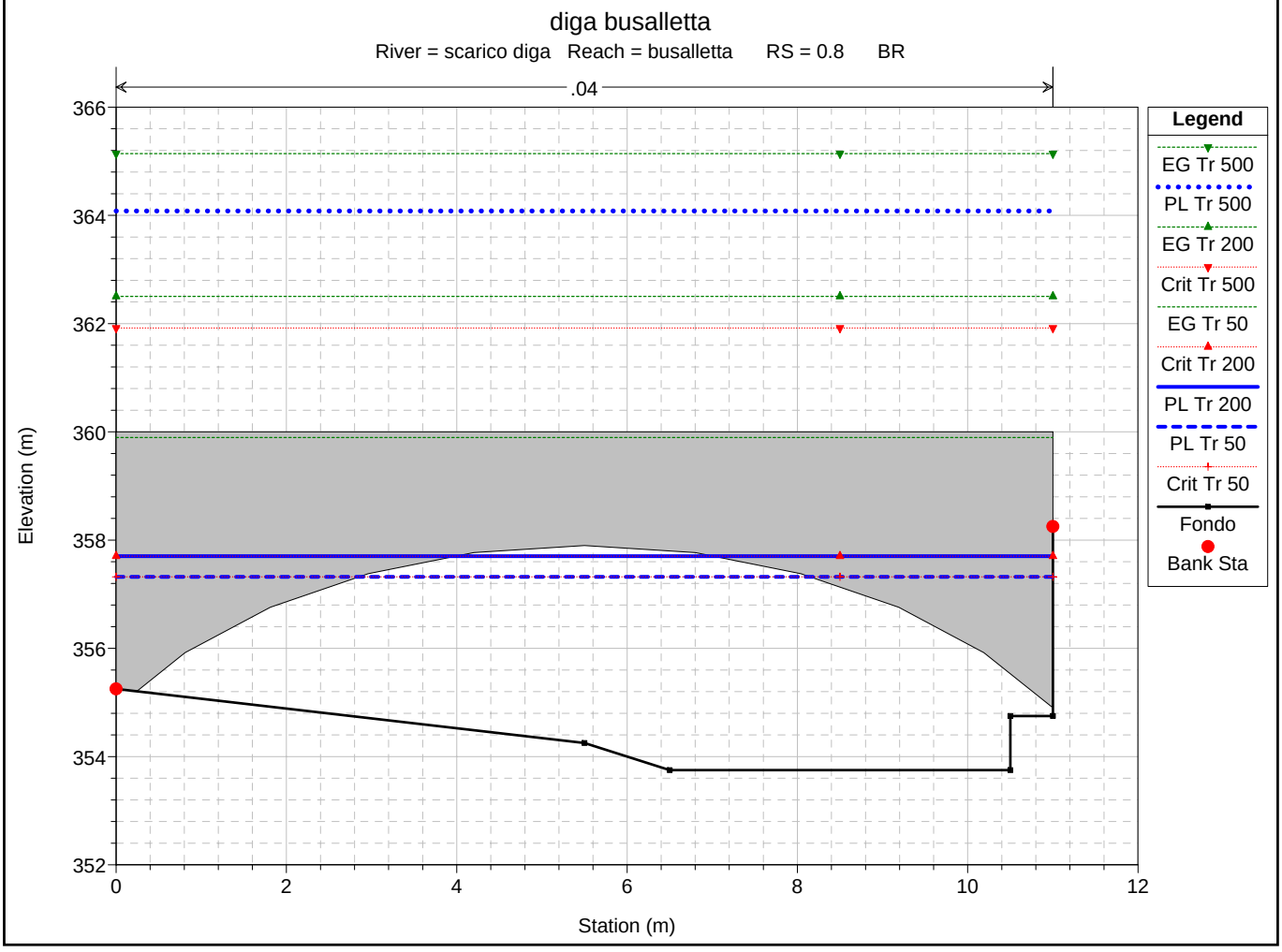

diga busalletta
River = scarico diga Reach = busalletta RS = 2.1
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Crit Tr 500
Crit Tr 200
Crit Tr 50
Fondo
Bank Sta

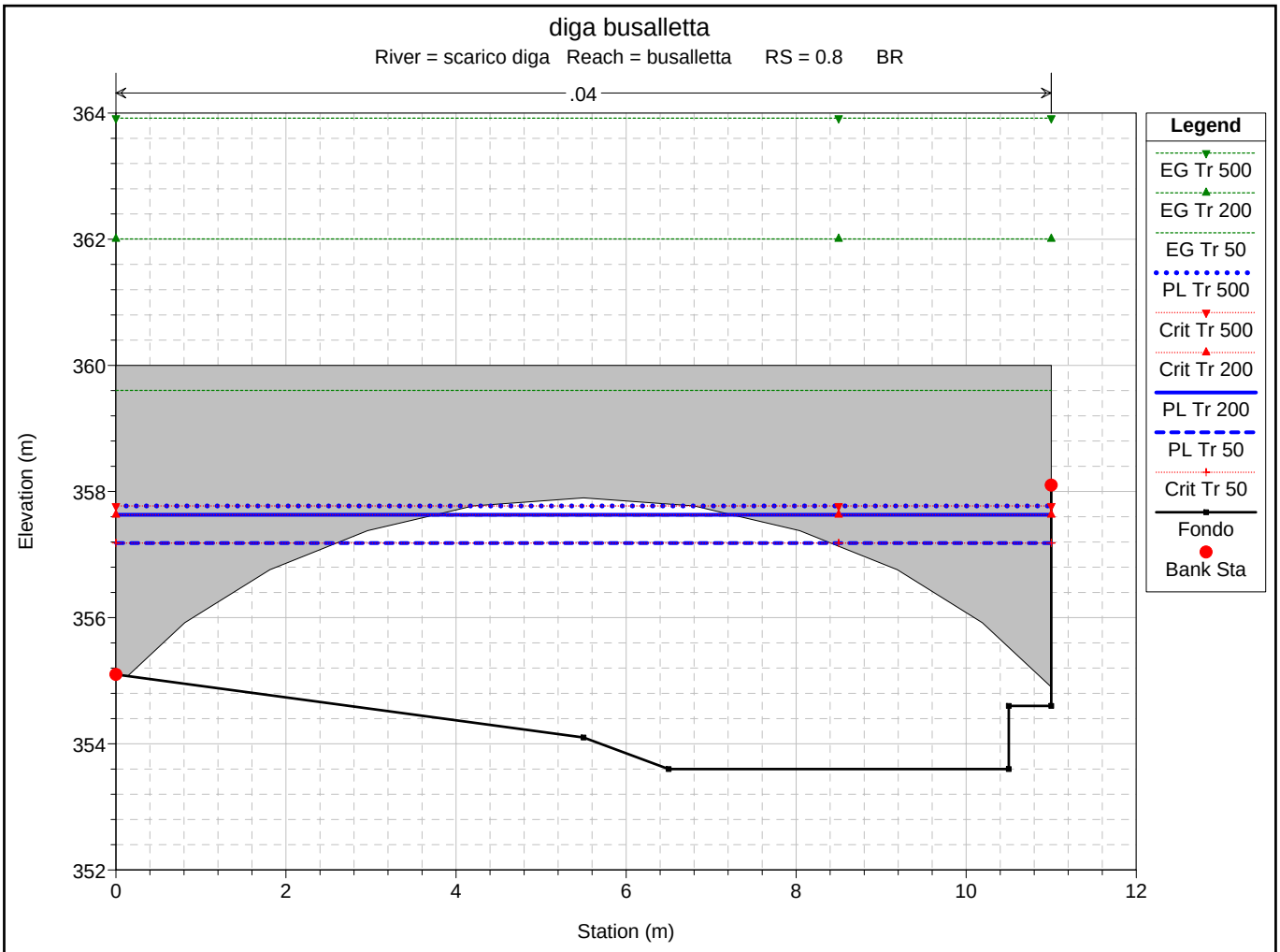

diga busalletta
River = scarico diga Reach = busalletta RS = 2.05 BR
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
Crit Tr 500
PL Tr 50
Crit Tr 200
Crit Tr 50
Fondo
Bank Sta

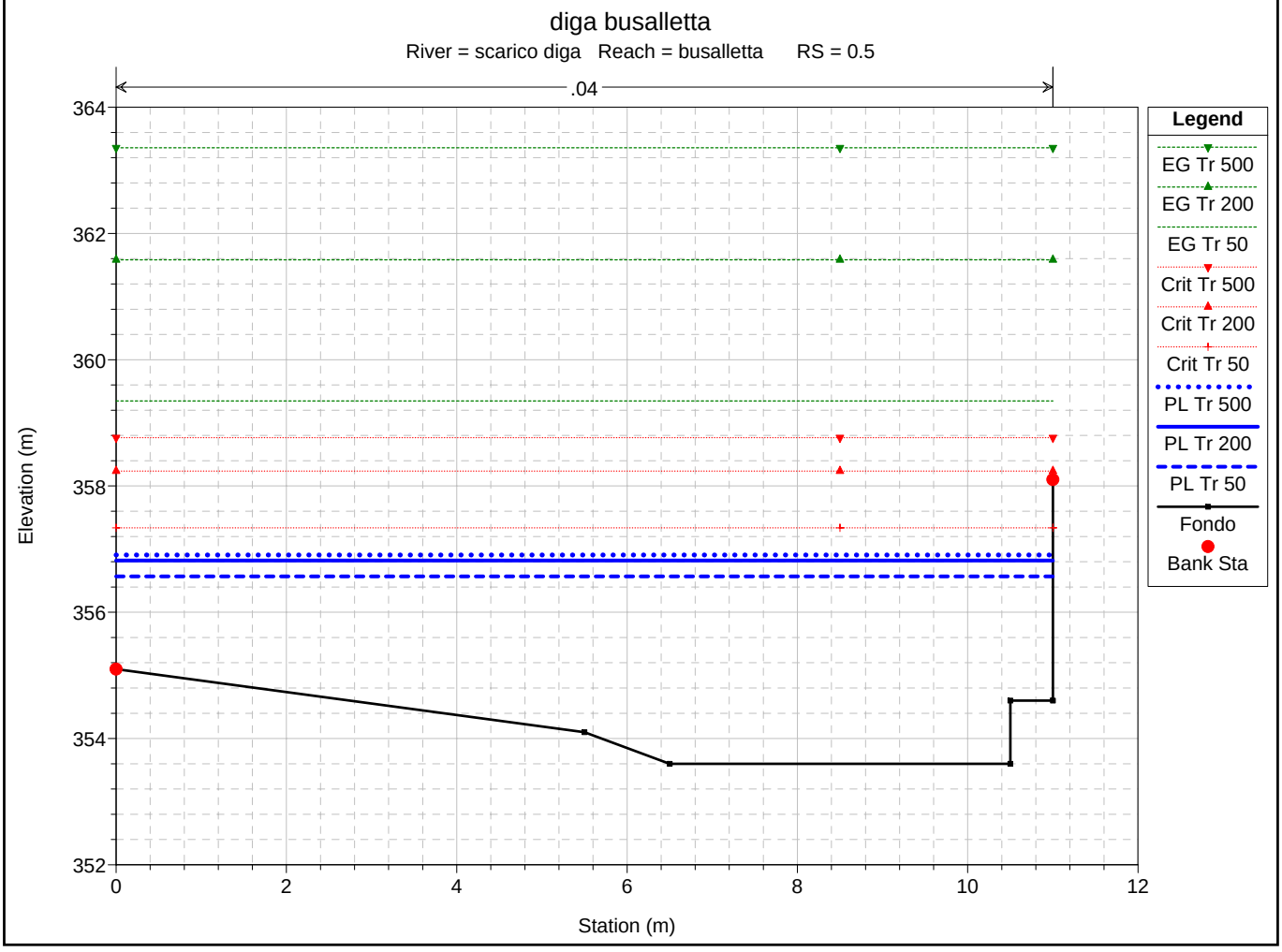

diga busalletta
River = scarico diga Reach = busalletta RS = 2.05 BR
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
Crit Tr 500
PL Tr 50
Crit Tr 200
Crit Tr 50
Fondo
Bank Sta


diga busalletta
River = scarico diga Reach = busalletta RS = 2
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Fondo
Bank Sta


diga busalletta
River = scarico diga Reach = busalletta RS = 1
.04
Elevation (m)
366
364
362
360
358
356
354
352
0
2
4
6
8
10
12
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
PL Tr 200
EG Tr 50
PL Tr 50
Crit Tr 500
Crit Tr 200
Crit Tr 50
Fondo
Bank Sta


diga busalletta
River = scarico diga Reach = busalletta RS = 0.8 BR
.04
Elevation (m)
366
364
362
360
358
356
354
352
0
2
4
6
8
10
12
Station (m)
Legend
EG Tr 500
PL Tr 500
EG Tr 200
Crit Tr 500
EG Tr 50
Crit Tr 200
PL Tr 200
PL Tr 50
Crit Tr 50
Fondo
Bank Sta


diga busalletta
River = scarico diga Reach = busalletta RS = 0.8 BR
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
EG Tr 200
EG Tr 50
PL Tr 500
Crit Tr 500
Crit Tr 200
PL Tr 200
PL Tr 50
Crit Tr 50
Fondo
Bank Sta


diga busalletta
River = scarico diga Reach = busalletta RS = 0.5
.04
Elevation (m)
Station (m)
Legend
EG Tr 500
EG Tr 200
EG Tr 50
Crit Tr 500
Crit Tr 200
Crit Tr 50
PL Tr 500
PL Tr 200
PL Tr 50
Fondo
Bank Sta

HEC-RAS Plan: Busalletta River: scarico diga Reach: busalletta

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
busalletta	8	Tr 50	195.00	362.00	366.46	363.50	-2.96	364.00	-2.46	366.46	368.42	0.023456	6.20	31.43	8.00	1.00
busalletta	8	Tr 200	282.00	362.00	367.55	363.50	-4.05	364.00	-3.55	367.55	370.06	0.025870	7.02	40.18	8.00	1.00
busalletta	8	Tr 500	339.00	362.00	368.21	363.50	-4.71	364.00	-4.21	368.21	371.05	0.027338	7.46	45.44	8.00	1.00
busalletta	7	Tr 50	195.00	359.15	362.48	360.65	-1.83	361.15	-1.33	363.48	365.98	0.052264	8.29	23.51	8.50	1.59
busalletta	7	Tr 200	282.00	359.15	363.39	360.65	-2.74	361.15	-2.24	364.54	367.52	0.049862	9.00	31.32	8.50	1.50
busalletta	7	Tr 500	339.00	359.15	363.96	360.65	-3.31	361.15	-2.81	365.17	368.44	0.049197	9.38	36.14	8.50	1.45
busalletta	6	Tr 50	195.00	357.61	359.40	362.02	2.62	362.13	2.73	360.50	363.42	0.103734	8.89	21.93	17.19	2.51
busalletta	6	Tr 200	282.00	357.61	363.99	362.02	-1.97	362.13	-1.86	361.14	364.31	0.001686	2.49	113.39	20.98	0.34
busalletta	6	Tr 500	339.00	357.61	366.10	362.02	-4.08	362.13	-3.97	361.52	366.34	0.000969	2.15	157.59	20.98	0.25
busalletta	5.5	Tr 50	195.00	356.30	361.68	359.84	-1.84	361.00	-0.68	359.61	362.02	0.002352	2.60	74.87	17.15	0.40
busalletta	5.5	Tr 200	282.00	356.30	363.96	359.84	-4.12	361.00	-2.96		364.27	0.001530	2.47	114.02	17.15	0.31
busalletta	5.5	Tr 500	339.00	356.30	366.05	359.84	-6.21	361.00	-5.05		366.31	0.001068	2.26	149.85	17.15	0.24
busalletta	5	Tr 50	195.00	356.30	361.44	360.21	-1.23	361.00	-0.44		362.00	0.004338	3.32	58.69	12.65	0.49
busalletta	5	Tr 200	282.00	356.30	363.72	360.21	-3.51	361.00	-2.72		364.25	0.003125	3.22	87.57	12.65	0.39
busalletta	5	Tr 500	339.00	356.30	365.85	360.21	-5.64	361.00	-4.85		366.29	0.002282	2.96	114.42	12.65	0.31
busalletta	4.5	Tr 50	195.00	356.00	361.04	360.12	-0.92	361.00	-0.04		361.86	0.007705	4.01	48.60	10.01	0.58
busalletta	4.5	Tr 200	282.00	356.00	363.36	360.12	-3.24	361.00	-2.36		364.14	0.005830	3.93	71.74	10.01	0.47
busalletta	4.5	Tr 500	339.00	356.00	365.54	360.12	-5.42	361.00	-4.54		366.21	0.004325	3.62	93.63	10.01	0.38
busalletta	4	Tr 50	195.00	355.82	361.09	361.00	-0.09	361.00	-0.09	359.37	361.77	0.005861	3.66	53.33	10.82	0.53
busalletta	4	Tr 200	282.00	355.82	363.40	361.00	-2.40	361.00	-2.40	360.26	364.06	0.004468	3.60	78.41	10.82	0.43
busalletta	4	Tr 500	339.00	355.82	365.58	361.00	-4.58	361.00	-4.58	360.79	366.15	0.003333	3.32	102.01	10.82	0.35
busalletta	3.5		Bridge													
busalletta	3	Tr 50	195.00	354.70	360.37	358.80	-1.57	358.80	-1.57		360.88	0.003829	3.15	61.96	11.37	0.43
busalletta	3	Tr 200	282.00	354.70	362.45	358.80	-3.65	358.80	-3.65		363.00	0.003460	3.30	85.57	11.37	0.38
busalletta	3	Tr 500	339.00	354.70	365.12	358.80	-6.32	358.80	-6.32		365.56	0.002340	2.92	115.95	11.37	0.29
busalletta	2.91	Tr 50	195.00	354.60	360.33	358.10	-2.23	358.10	-2.23		360.80	0.003403	3.03	64.43	11.80	0.41
busalletta	2.91	Tr 200	282.00	354.60	362.41	358.10	-4.31	358.10	-4.31		362.93	0.003065	3.17	89.04	11.80	0.37
busalletta	2.91	Tr 500	339.00	354.60	365.10	358.10	-7.00	358.10	-7.00		365.50	0.002066	2.81	120.75	11.80	0.28
busalletta	2.9	Tr 50	195.00	354.30	360.37	357.80	-2.56	357.80	-2.56		360.78	0.002904	2.85	68.40	11.80	0.38
busalletta	2.9	Tr 200	282.00	354.30	362.44	357.80	-4.64	357.80	-4.64		362.91	0.002749	3.03	92.93	11.80	0.35
busalletta	2.9	Tr 500	339.00	354.30	365.12	357.80	-7.32	357.80	-7.32		365.50	0.001917	2.72	124.49	11.80	0.27
busalletta	2.1	Tr 50	195.00	353.90	360.27	354.90	-5.37	354.90	-5.37	357.08	360.67	0.002922	2.78	70.12	11.00	0.35
busalletta	2.1	Tr 200	282.00	353.90	362.34	354.90	-7.44	354.90	-7.44	357.97	362.81	0.002969	3.04	92.84	11.00	0.33
busalletta	2.1	Tr 500	339.00	353.90	365.03	354.90	-10.13	354.90	-10.13	358.50	365.42	0.002158	2.77	122.44	11.00	0.26
busalletta	2.05		Bridge													

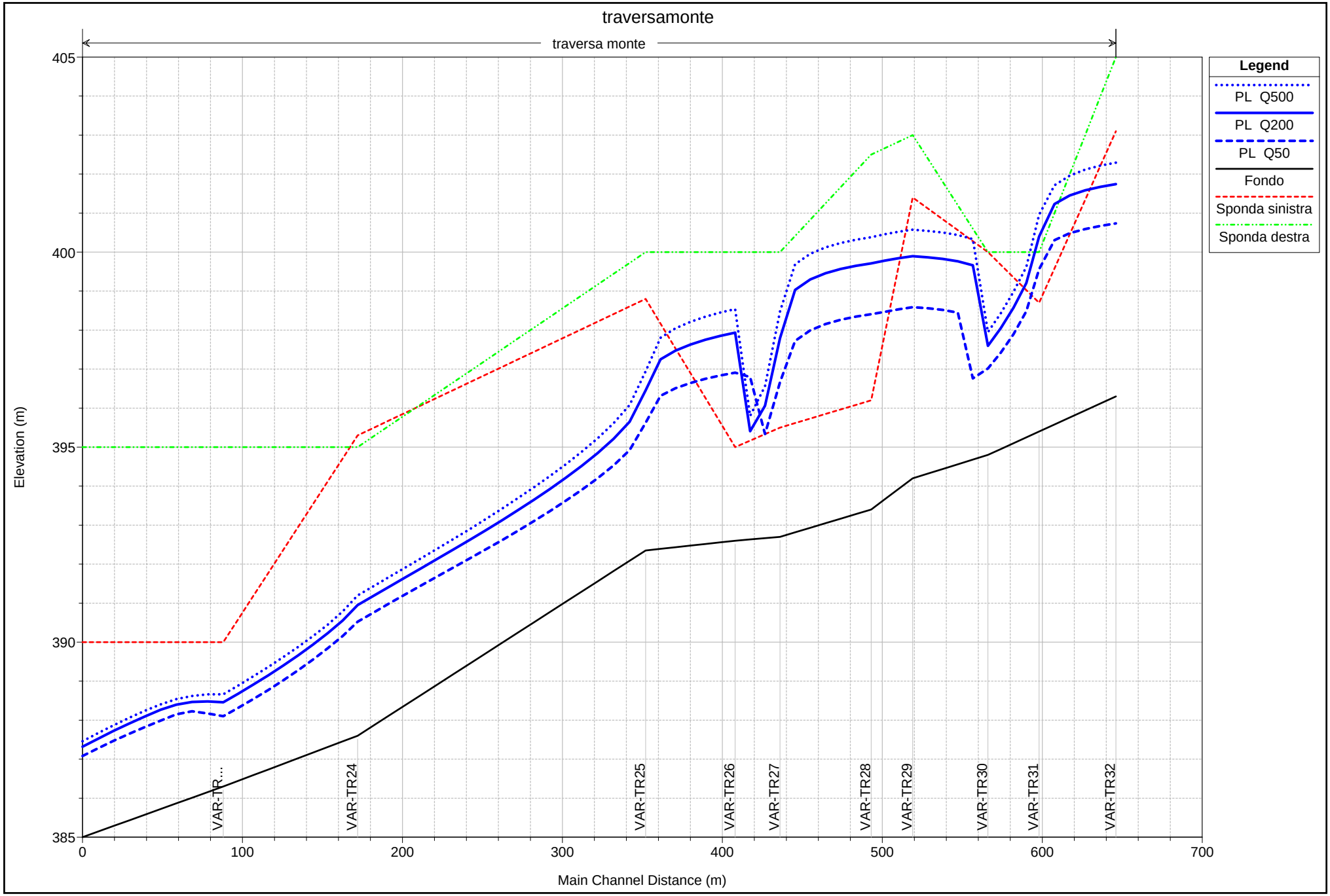
HEC-RAS Plan: Busalletta River: scarico diga Reach: busalletta (Continued)

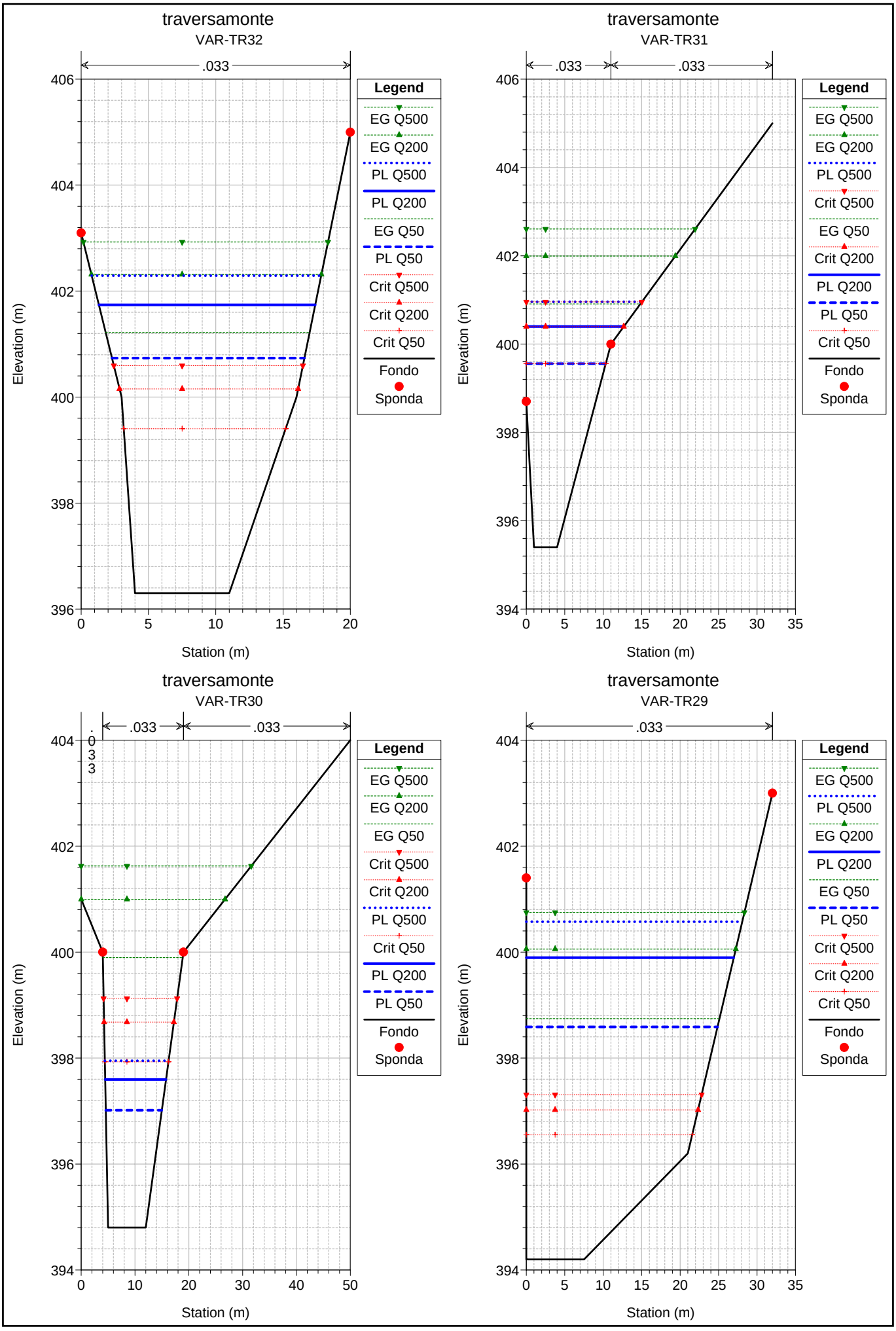
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
busalletta	2	Tr 50	195.00	353.90	359.50	354.90	-4.60	354.90	-4.60		360.01	0.004121	3.17	61.55	11.00	0.43
busalletta	2	Tr 200	282.00	353.90	362.05	354.90	-7.15	354.90	-7.15		362.55	0.003245	3.15	89.63	11.00	0.35
busalletta	2	Tr 500	339.00	353.90	364.90	354.90	-10.00	354.90	-10.00		365.30	0.002219	2.80	121.05	11.00	0.27
busalletta	1	Tr 50	195.00	353.75	359.16	355.25	-3.91	358.25	-0.91	357.49	359.84	0.006023	3.66	53.24	11.00	0.53
busalletta	1	Tr 200	282.00	353.75	361.85	355.25	-6.60	358.25	-3.60	358.38	362.44	0.003941	3.41	82.80	11.00	0.40
busalletta	1	Tr 500	339.00	353.75	364.79	355.25	-9.54	358.25	-6.54	358.91	365.23	0.002491	2.94	115.17	11.00	0.29
busalletta	0.8		Bridge													
busalletta	0.5	Tr 50	195.00	353.60	356.57	355.10	-1.47	358.10	1.53	357.34	359.35	0.043424	7.38	26.41	11.00	1.52
busalletta	0.5	Tr 200	282.00	353.60	356.82	355.10	-1.72	358.10	1.28	358.24	361.58	0.068020	9.67	29.16	11.00	1.90
busalletta	0.5	Tr 500	339.00	353.60	356.91	355.10	-1.81	358.10	1.19	358.77	363.36	0.089436	11.25	30.13	11.00	2.17

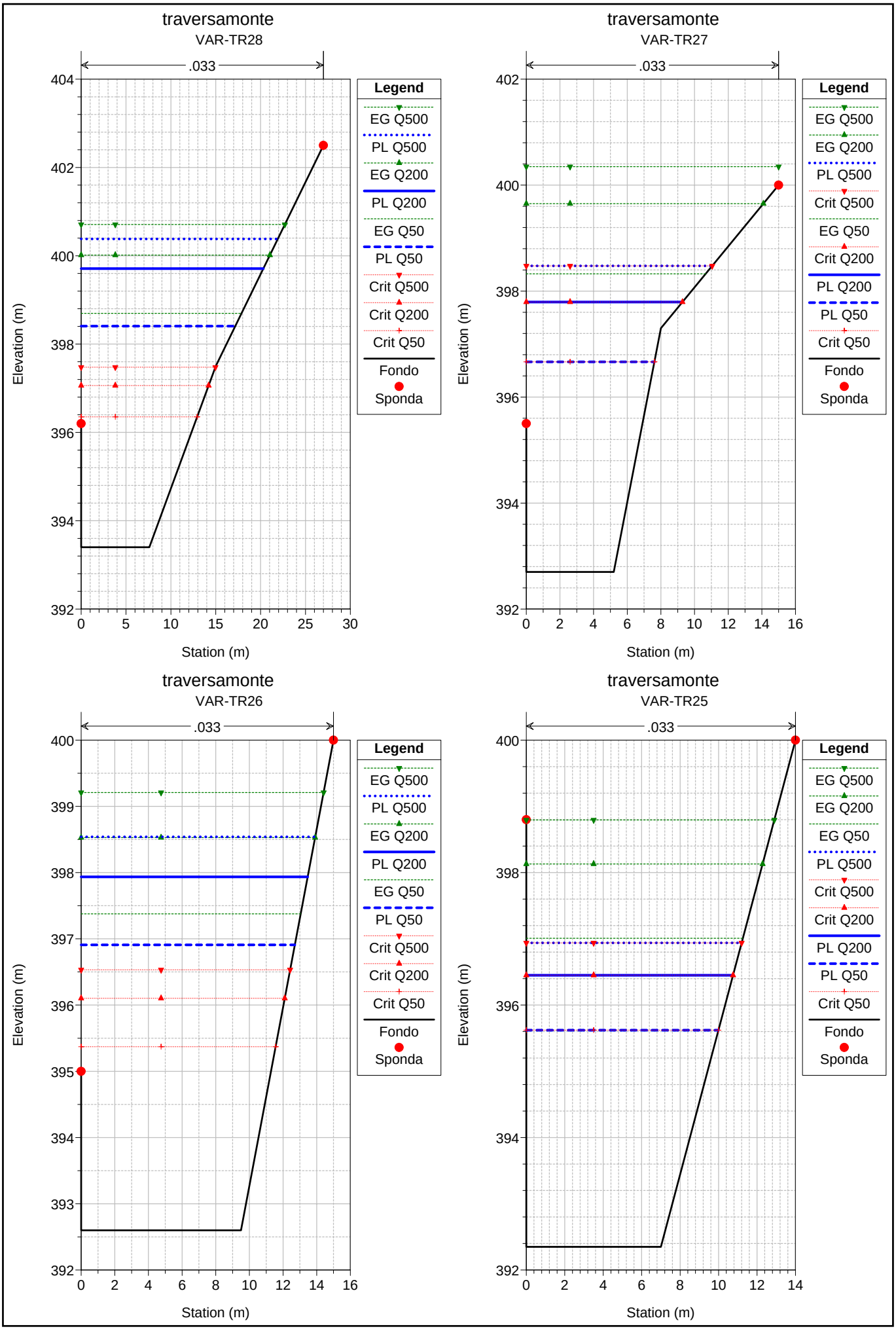
Rio Traversa

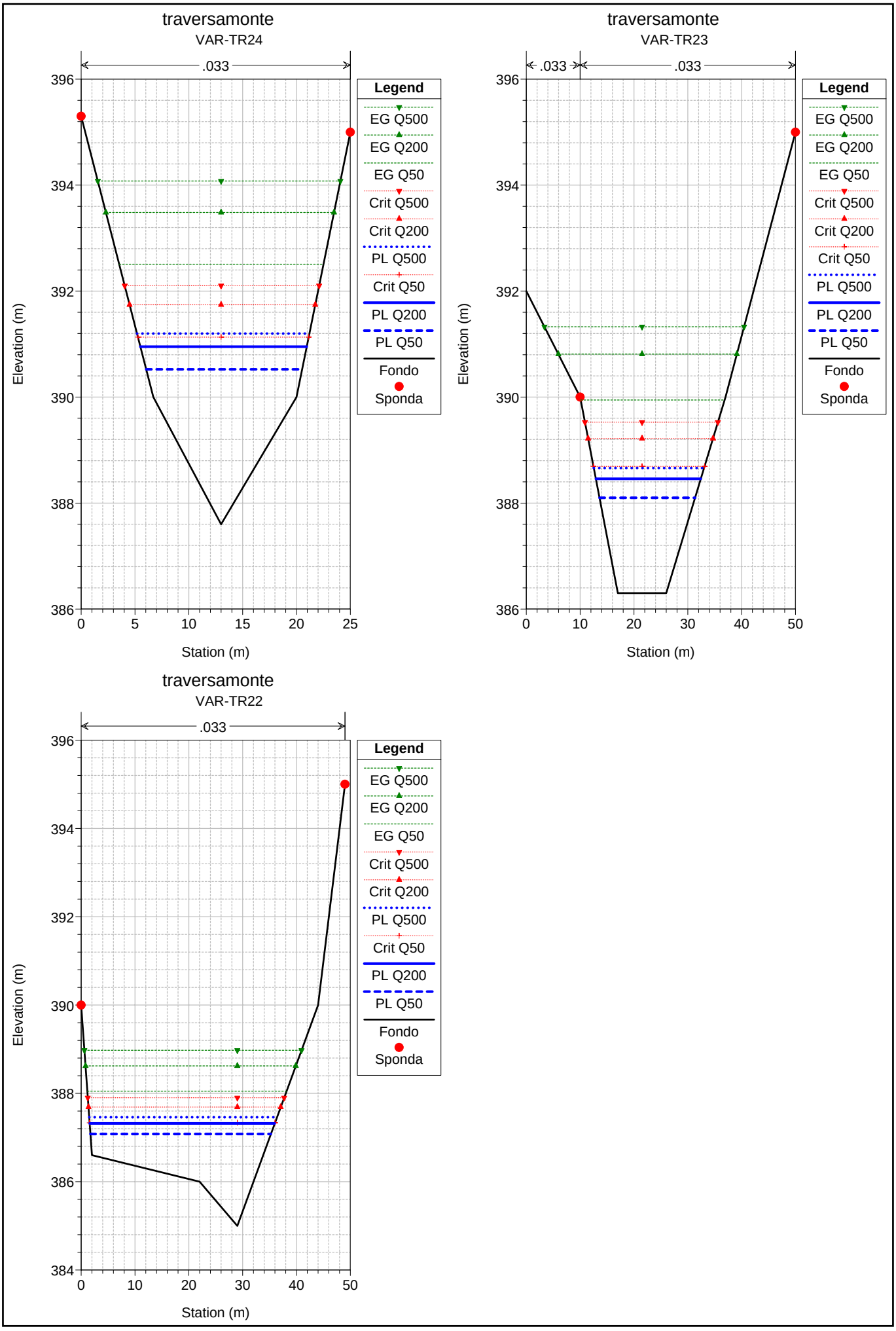
tratto di monte
(TR32-TR22)

- **Profili di corrente**
- **Sezioni idrauliche**
- **Tabelle dei risultati**


traversamonte
traversa monte
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sinistra
Sponda destra
Elevation (m)
405
400
395
390
385
0
100
200
300
400
500
600
700
Main Channel Distance (m)
VAR-TR...
VAR-TR24
VAR-TR25
VAR-TR26
VAR-TR27
VAR-TR28
VAR-TR29
VAR-TR30
VAR-TR31
VAR-TR32


traversamonte
VAR-TR32
.033
406
404
402
400
398
396
0
5
10
15
20
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
traversamonte
VAR-TR31
.033
.033
406
404
402
400
398
396
394
0
5
10
15
20
25
30
35
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
Crit Q500
EG Q50
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
traversamonte
VAR-TR30
.033
.033
.033
404
402
400
398
396
394
0
10
20
30
40
50
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda
traversamonte
VAR-TR29
.033
404
402
400
398
396
394
0
5
10
15
20
25
30
35
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda


traversamonte
VAR-TR28
.033
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
traversamonte
VAR-TR27
.033
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
Crit Q500
EG Q50
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
traversamonte
VAR-TR26
.033
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
traversamonte
VAR-TR25
.033
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda


traversamonte
VAR-TR24
.033
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)
traversamonte
VAR-TR23
.033
.033
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)
traversamonte
VAR-TR22
.033
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)

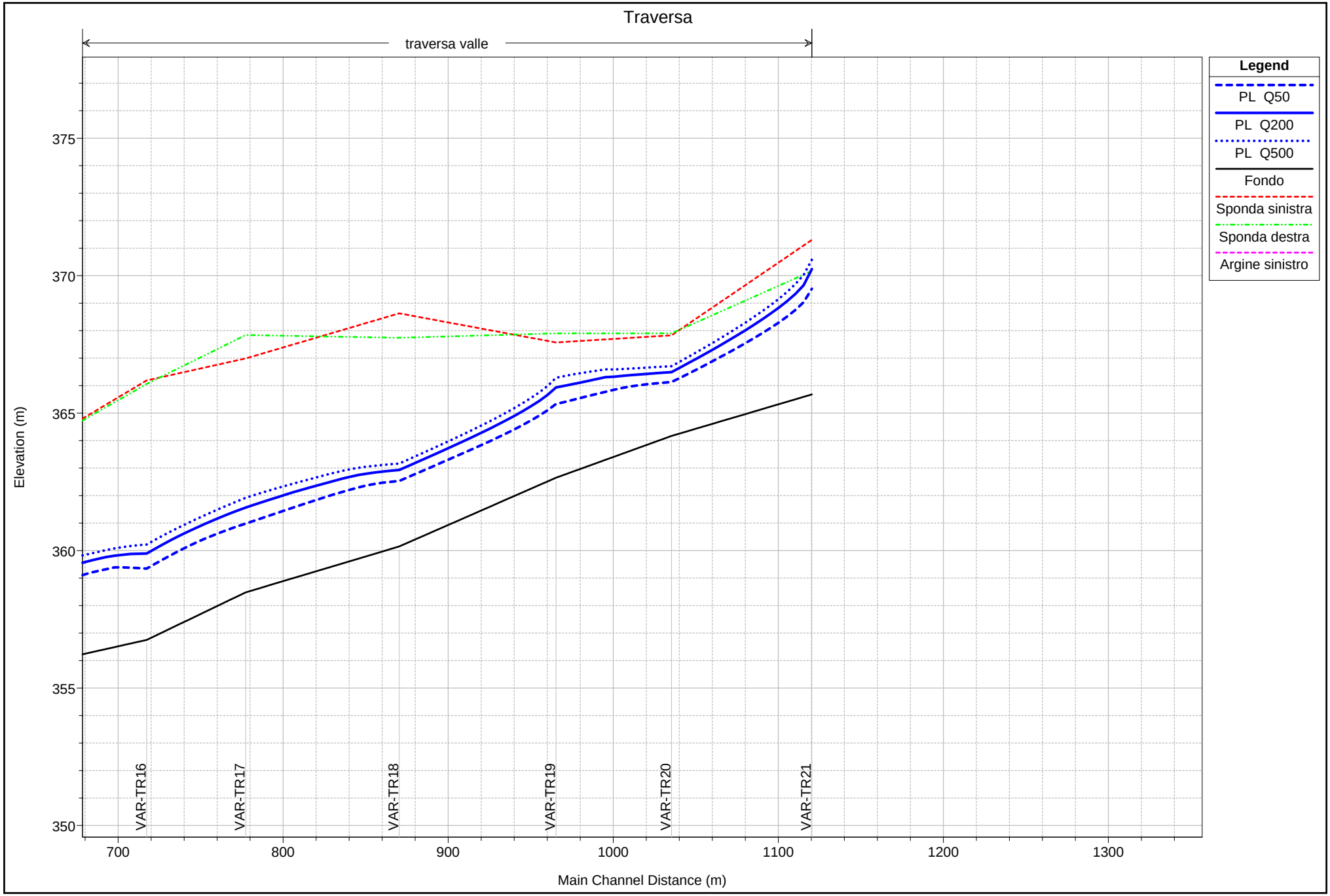
HEC-RAS Plan: Plan 02 River: traversa Reach: monte

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
monte	90 VAR-TR32	Q50	145.00	396.30	400.74	403.10	2.36	405.00	4.26	399.40	401.22	0.003090	3.08	47.06	14.30	0.54
monte	90 VAR-TR32	Q200	209.00	396.30	401.74	403.10	1.36	405.00	3.26	400.15	402.31	0.003002	3.35	62.32	16.08	0.54
monte	90 VAR-TR32	Q500	252.00	396.30	402.29	403.10	0.81	405.00	2.71	400.59	402.93	0.003020	3.53	71.44	17.05	0.55
monte	80 VAR-TR31	Q50	145.00	395.40	399.56	398.70	-0.86	400.00	0.44	399.56	400.91	0.012360	5.15	28.14	10.33	1.00
monte	80 VAR-TR31	Q200	209.00	395.40	400.40	398.70	-1.70	400.00	-0.40	400.40	402.00	0.011582	5.60	37.56	12.67	0.97
monte	80 VAR-TR31	Q500	252.00	395.40	400.96	398.70	-2.26	400.00	-0.96	400.96	402.61	0.010316	5.73	45.29	15.02	0.92
monte	70 VAR-TR30	Q50	145.00	394.80	397.02	400.00	2.98	400.00	2.98	397.93	399.90	0.036302	7.52	19.28	10.41	1.76
monte	70 VAR-TR30	Q200	209.00	394.80	397.60	400.00	2.40	400.00	2.40	398.68	401.00	0.034213	8.17	25.58	11.30	1.73
monte	70 VAR-TR30	Q500	252.00	394.80	397.95	400.00	2.05	400.00	2.05	399.12	401.63	0.033034	8.50	29.66	11.84	1.71
monte	60 VAR-TR29	Q50	145.00	394.20	398.59	401.40	2.81	403.00	4.41	396.55	398.74	0.000849	1.74	83.27	24.86	0.30
monte	60 VAR-TR29	Q200	209.00	394.20	399.90	401.40	1.50	403.00	3.10	397.02	400.06	0.000663	1.78	117.14	26.98	0.27
monte	60 VAR-TR29	Q500	252.00	394.20	400.57	401.40	0.83	403.00	2.43	397.31	400.75	0.000635	1.86	135.81	28.07	0.27
monte	50 VAR-TR28	Q50	145.00	393.40	398.41	396.20	-2.21	402.50	4.09	396.35	398.70	0.001725	2.38	60.92	17.18	0.40
monte	50 VAR-TR28	Q200	209.00	393.40	399.71	396.20	-3.51	402.50	2.79	397.06	400.02	0.001485	2.45	85.36	20.31	0.38
monte	50 VAR-TR28	Q500	252.00	393.40	400.38	396.20	-4.18	402.50	2.12	397.48	400.71	0.001445	2.53	99.51	21.92	0.38
monte	40 VAR-TR27	Q50	145.00	392.70	396.67	395.50	-1.17	400.00	3.33	396.67	398.33	0.015729	5.71	25.41	7.61	1.00
monte	40 VAR-TR27	Q200	209.00	392.70	397.79	395.50	-2.29	400.00	2.21	397.79	399.65	0.015428	6.04	34.63	9.28	1.00
monte	40 VAR-TR27	Q500	252.00	392.70	398.48	395.50	-2.98	400.00	1.52	398.48	400.35	0.014724	6.06	41.56	11.05	1.00
monte	30 VAR-TR26	Q50	145.00	392.60	396.91	395.00	-1.91	400.00	3.09	395.37	397.38	0.002959	3.03	47.83	12.70	0.50
monte	30 VAR-TR26	Q200	209.00	392.60	397.94	395.00	-2.94	400.00	2.06	396.10	398.53	0.003133	3.41	61.27	13.47	0.51
monte	30 VAR-TR26	Q500	252.00	392.60	398.54	395.00	-3.54	400.00	1.46	396.53	399.21	0.003240	3.62	69.55	13.92	0.52
monte	20 VAR-TR25	Q50	145.00	392.35	395.62	398.80	3.18	400.00	4.38	395.62	397.01	0.012687	5.22	27.79	9.99	1.00
monte	20 VAR-TR25	Q200	209.00	392.35	396.45	398.80	2.35	400.00	3.55	396.45	398.13	0.012667	5.74	36.40	10.75	1.00
monte	20 VAR-TR25	Q500	252.00	392.35	396.94	398.80	1.86	400.00	3.06	396.94	398.79	0.012740	6.04	41.75	11.20	1.00
monte	10 VAR-TR24	Q50	145.00	387.60	390.52	395.30	4.78	395.00	4.48	391.13	392.51	0.025172	6.24	23.24	14.49	1.57
monte	10 VAR-TR24	Q200	209.00	387.60	390.95	395.30	4.35	395.00	4.05	391.74	393.48	0.025843	7.05	29.64	15.45	1.63
monte	10 VAR-TR24	Q500	252.00	387.60	391.20	395.30	4.10	395.00	3.80	392.10	394.08	0.026394	7.52	33.52	16.01	1.66
monte	5 VAR-TR23	Q50	145.00	386.30	388.10	390.00	1.90	395.00	6.90	388.69	389.95	0.027719	6.02	24.10	17.76	1.65
monte	5 VAR-TR23	Q200	209.00	386.30	388.46	390.00	1.54	395.00	6.54	389.22	390.81	0.029069	6.80	30.76	19.50	1.73
monte	5 VAR-TR23	Q500	252.00	386.30	388.66	390.00	1.34	395.00	6.34	389.53	391.33	0.029876	7.23	34.84	20.49	1.77
monte	3 VAR-TR22	Q50	145.00	385.00	387.08	390.00	2.92	395.00	7.92	387.33	388.05	0.021523	4.36	33.25	33.53	1.40
monte	3 VAR-TR22	Q200	209.00	385.00	387.32	390.00	2.68	395.00	7.68	387.69	388.62	0.022531	5.06	41.32	34.38	1.47
monte	3 VAR-TR22	Q500	252.00	385.00	387.46	390.00	2.54	395.00	7.54	387.90	388.98	0.023127	5.46	46.19	34.88	1.51

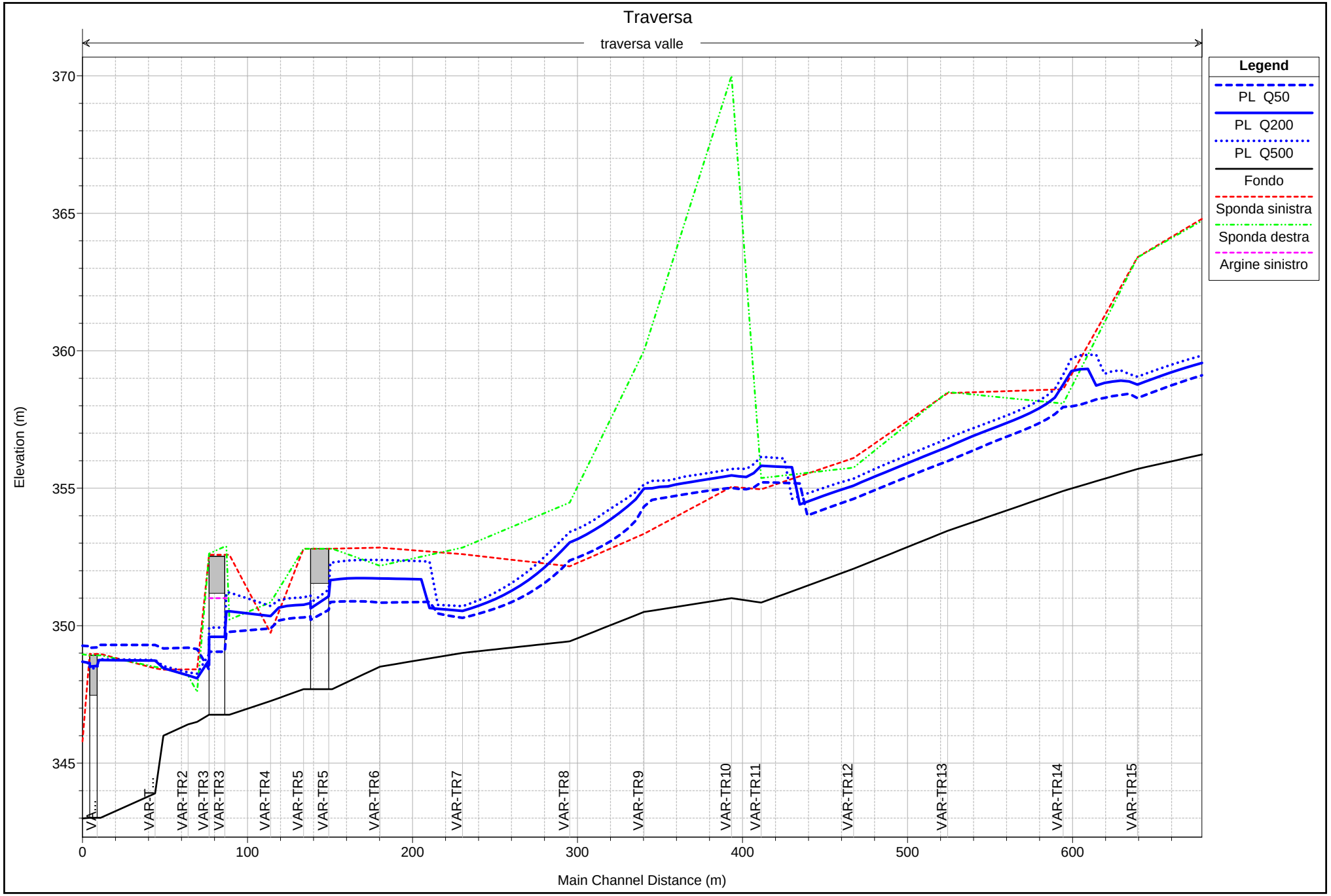
Rio Traversa

tratto di valle
(TR21-TR1)

- **Profili di corrente**
- **Sezioni idrauliche**
- **Tabelle dei risultati**



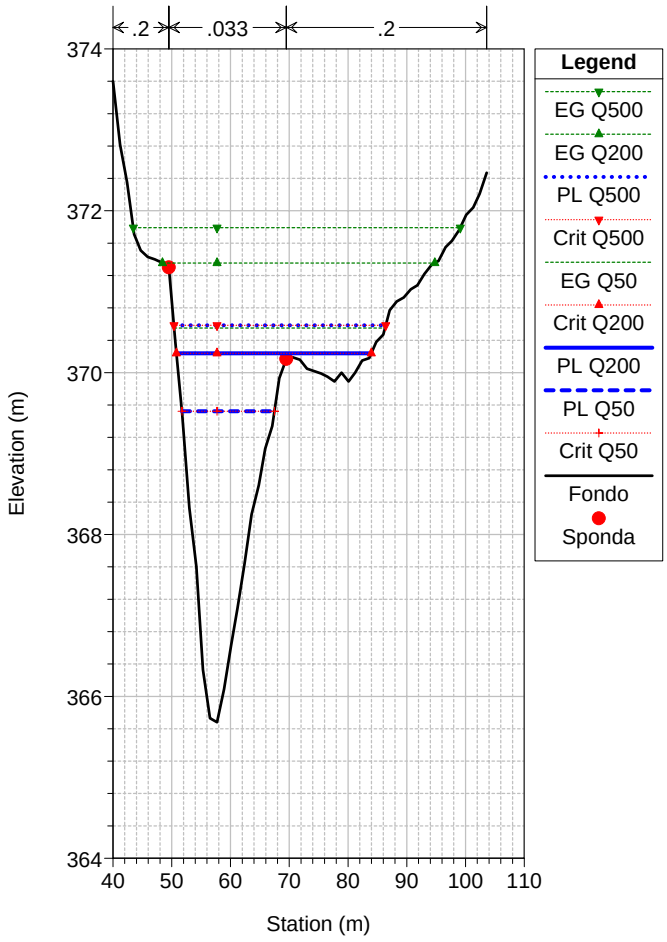
1 cm Horiz. = 30 m 1 cm Vert. = 1.8 m



1 cm Horiz. = 30 m 1 cm Vert. = 1.8 m

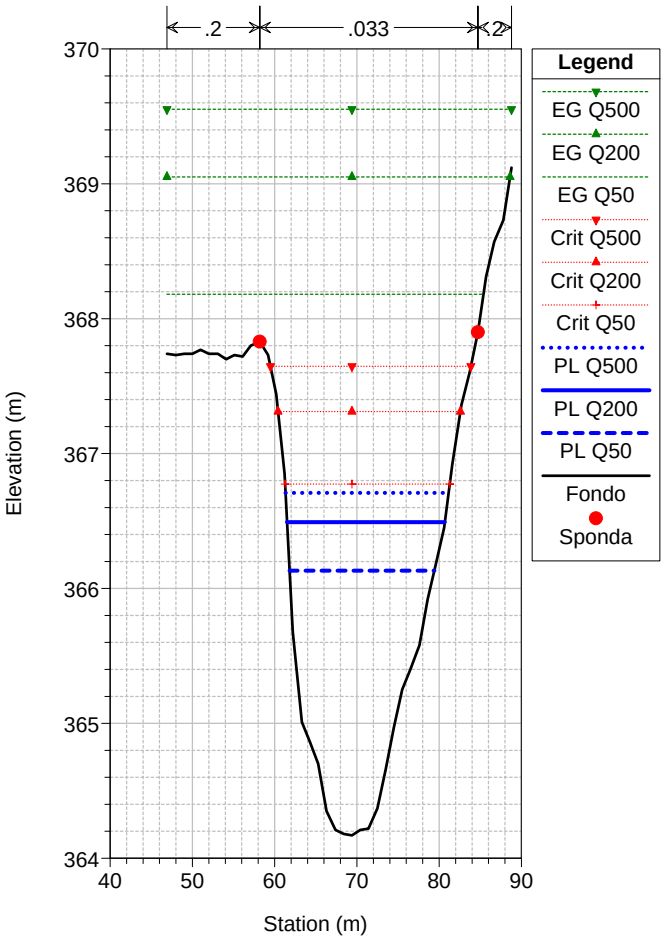
Traversa

VAR-TR21



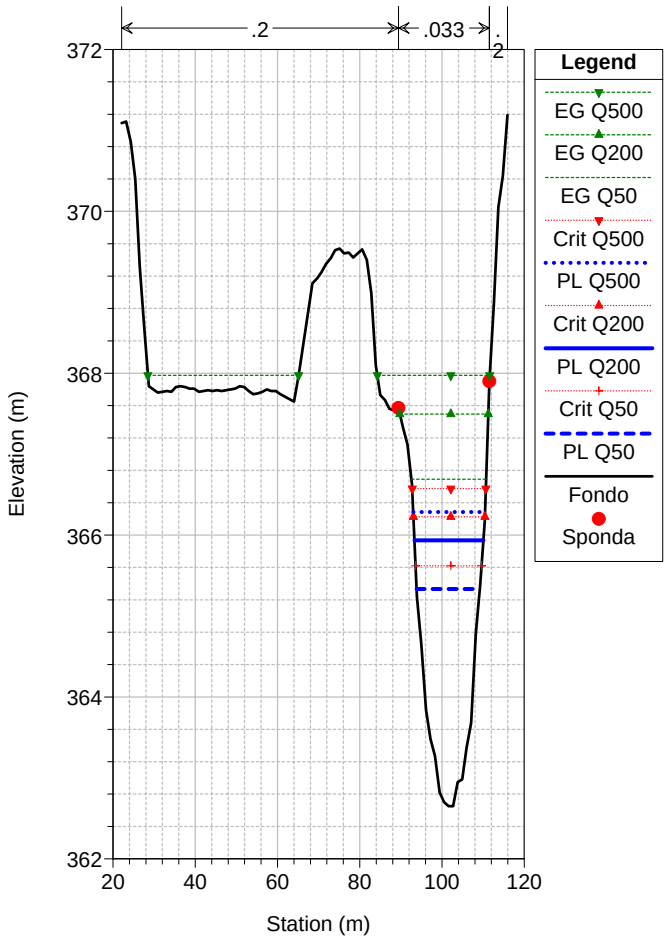
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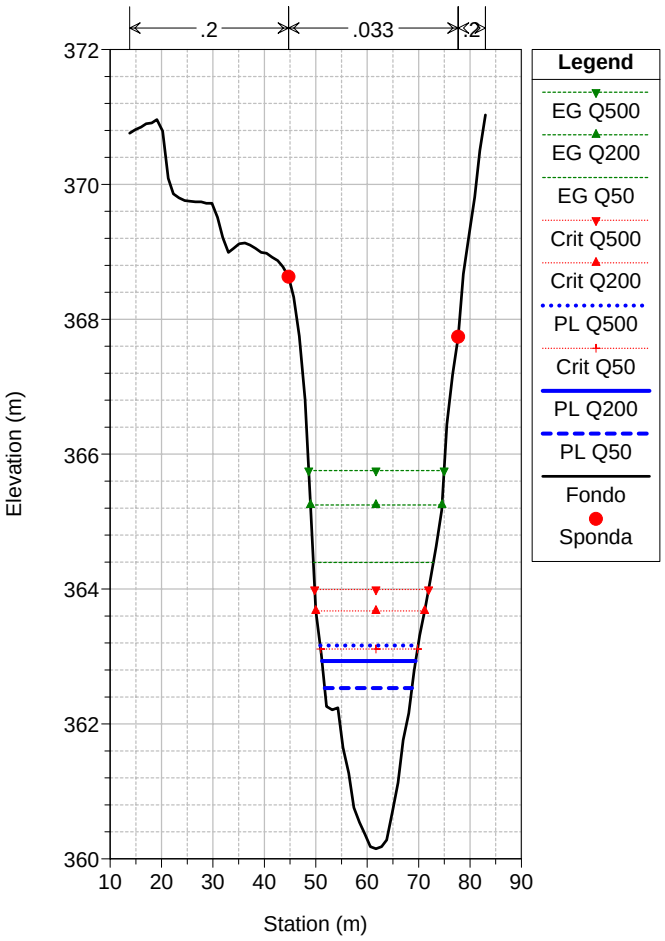
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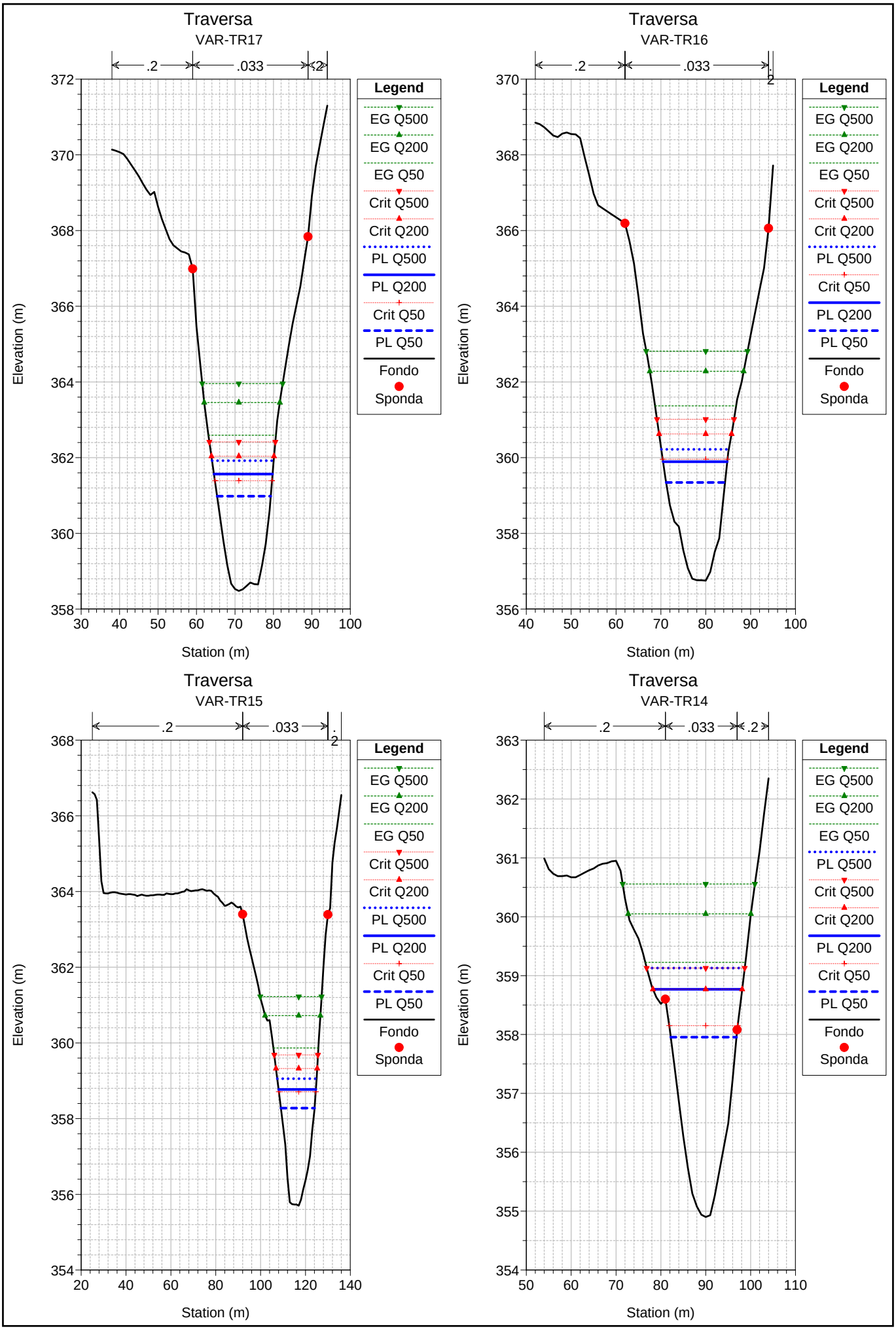
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Traversa

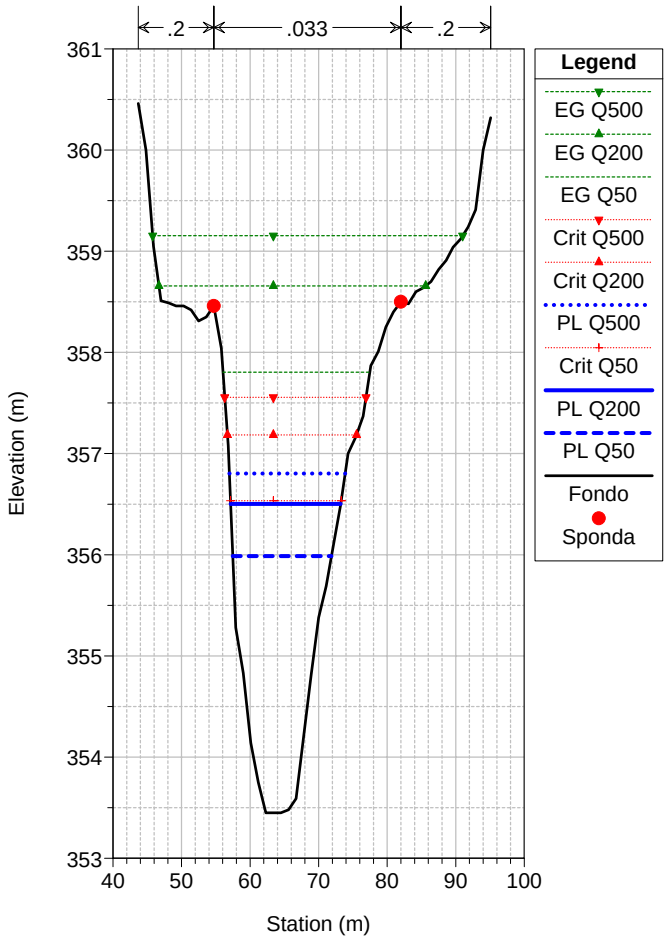
VAR-TR18




Traversa
VAR-TR17
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.033
.2
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Sponda
Traversa
VAR-TR16
.2
.033
.2
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda
Traversa
VAR-TR15
.2
.033
.2
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Sponda
Traversa
VAR-TR14
.2
.033
.2
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Sponda

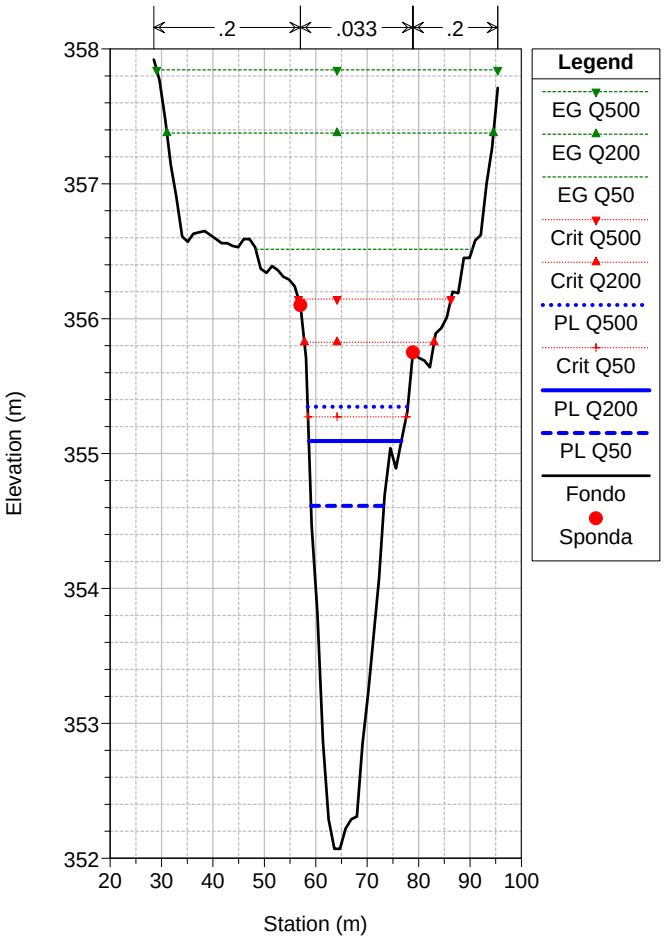
Traversa

VAR-TR13



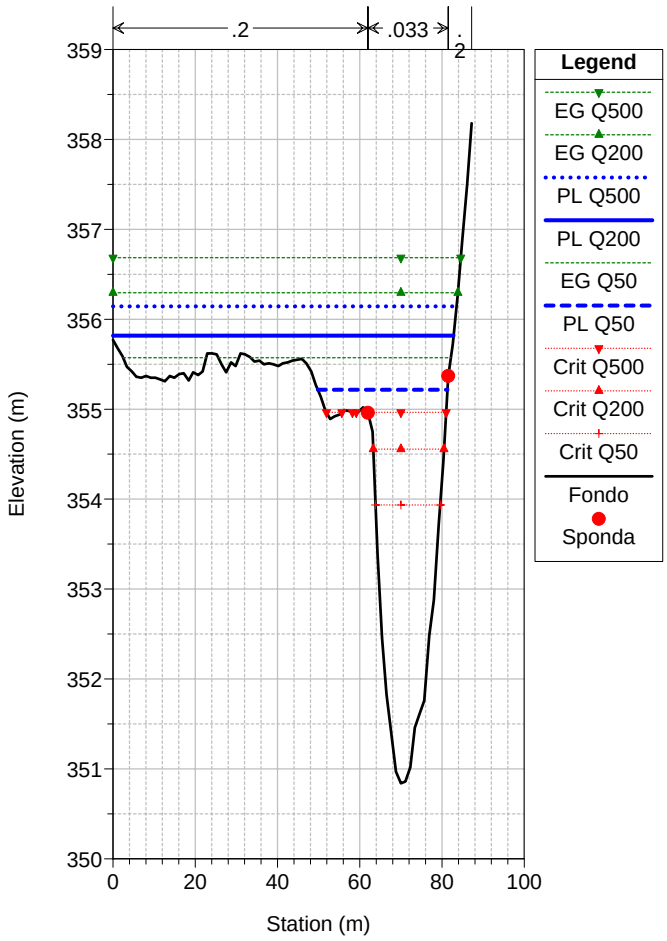
Traversa

VAR-TR12



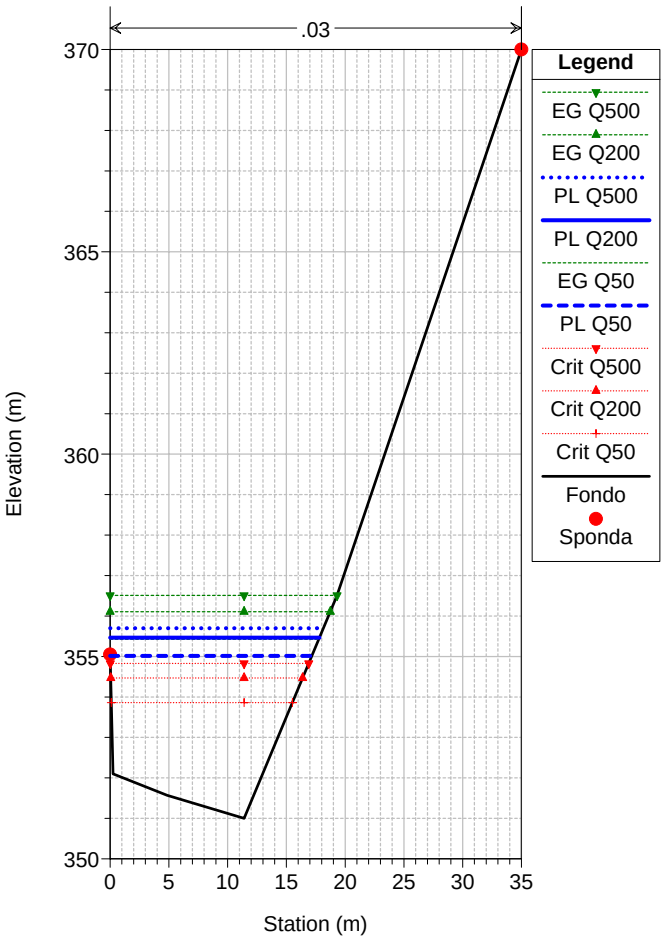
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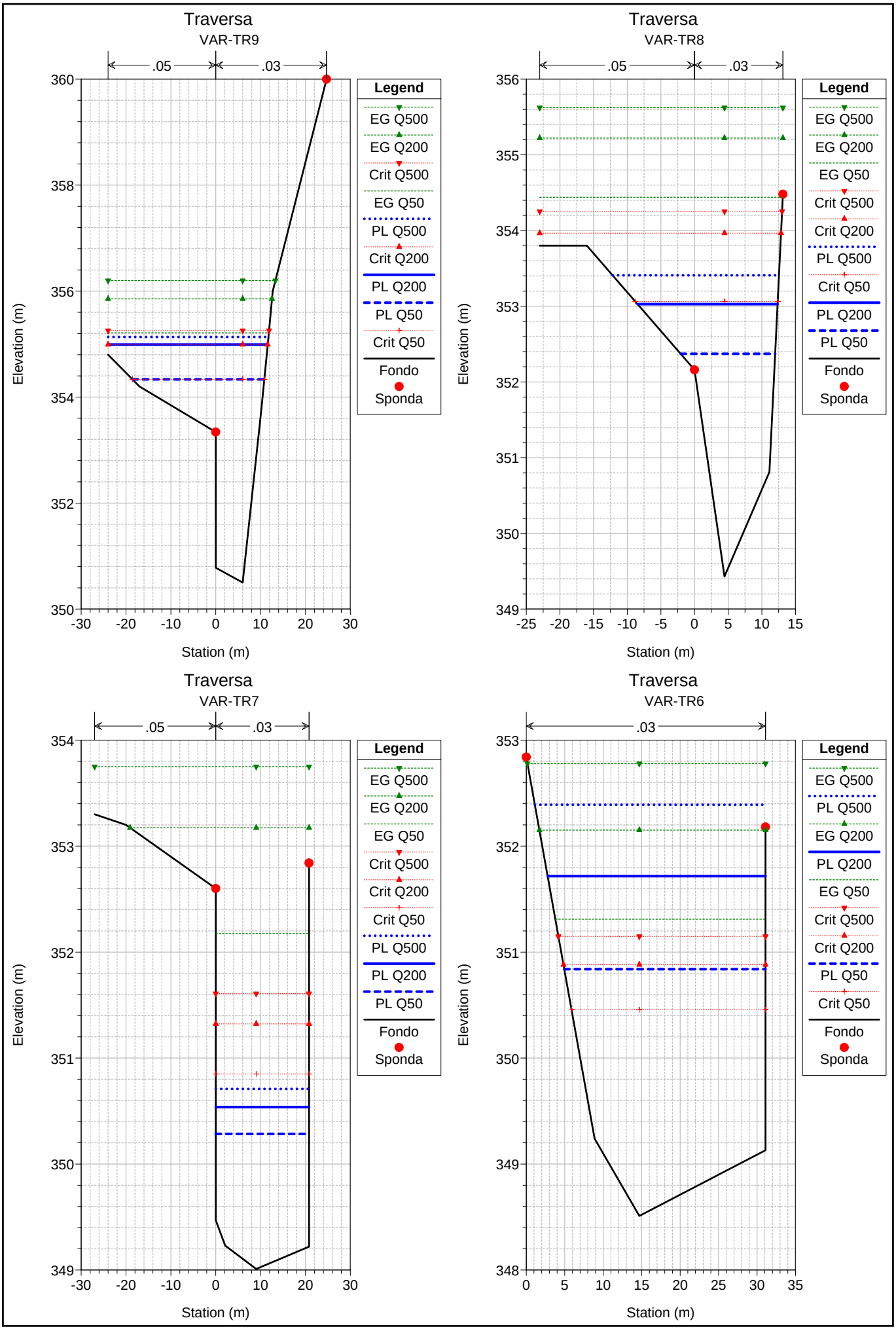
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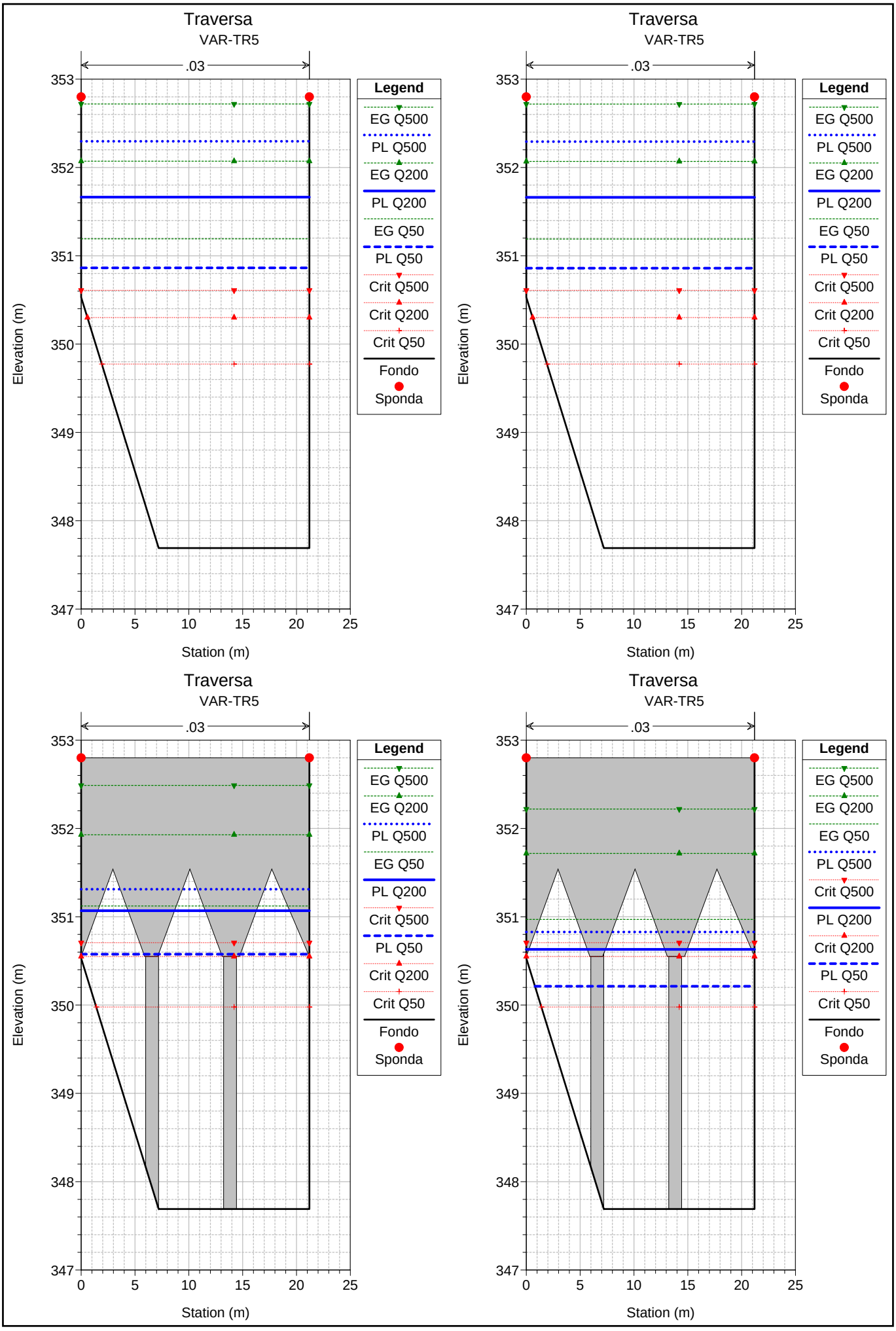


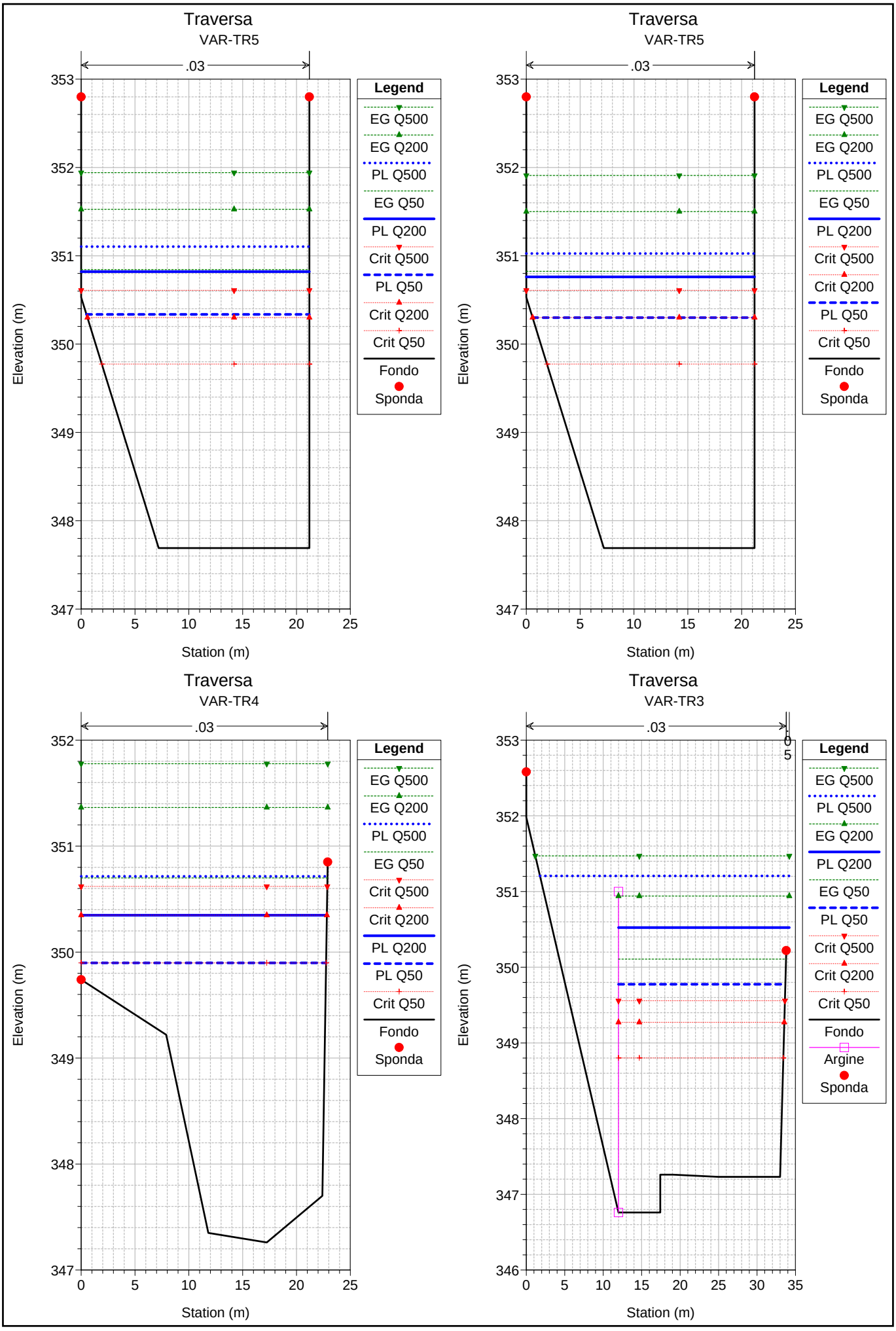
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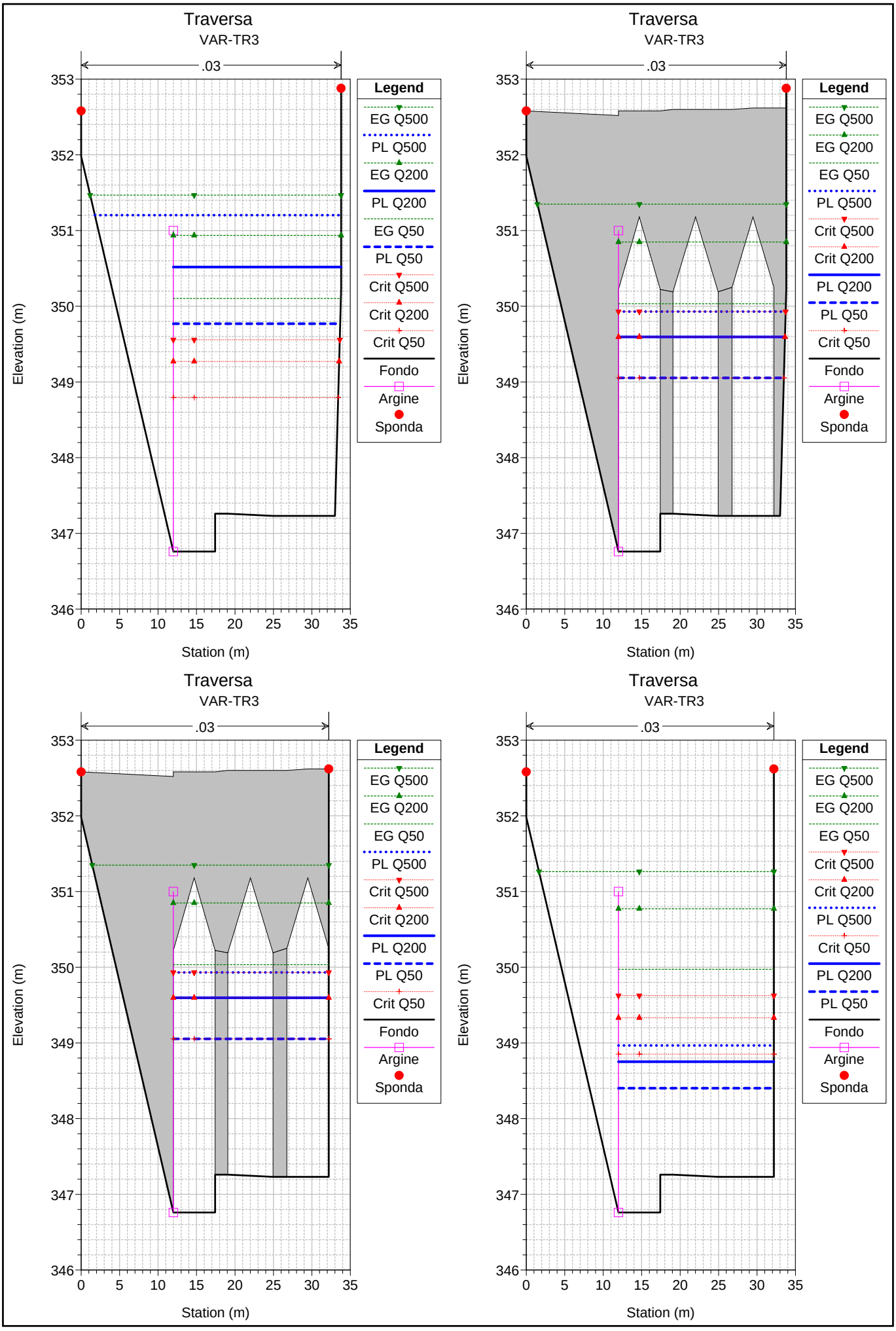
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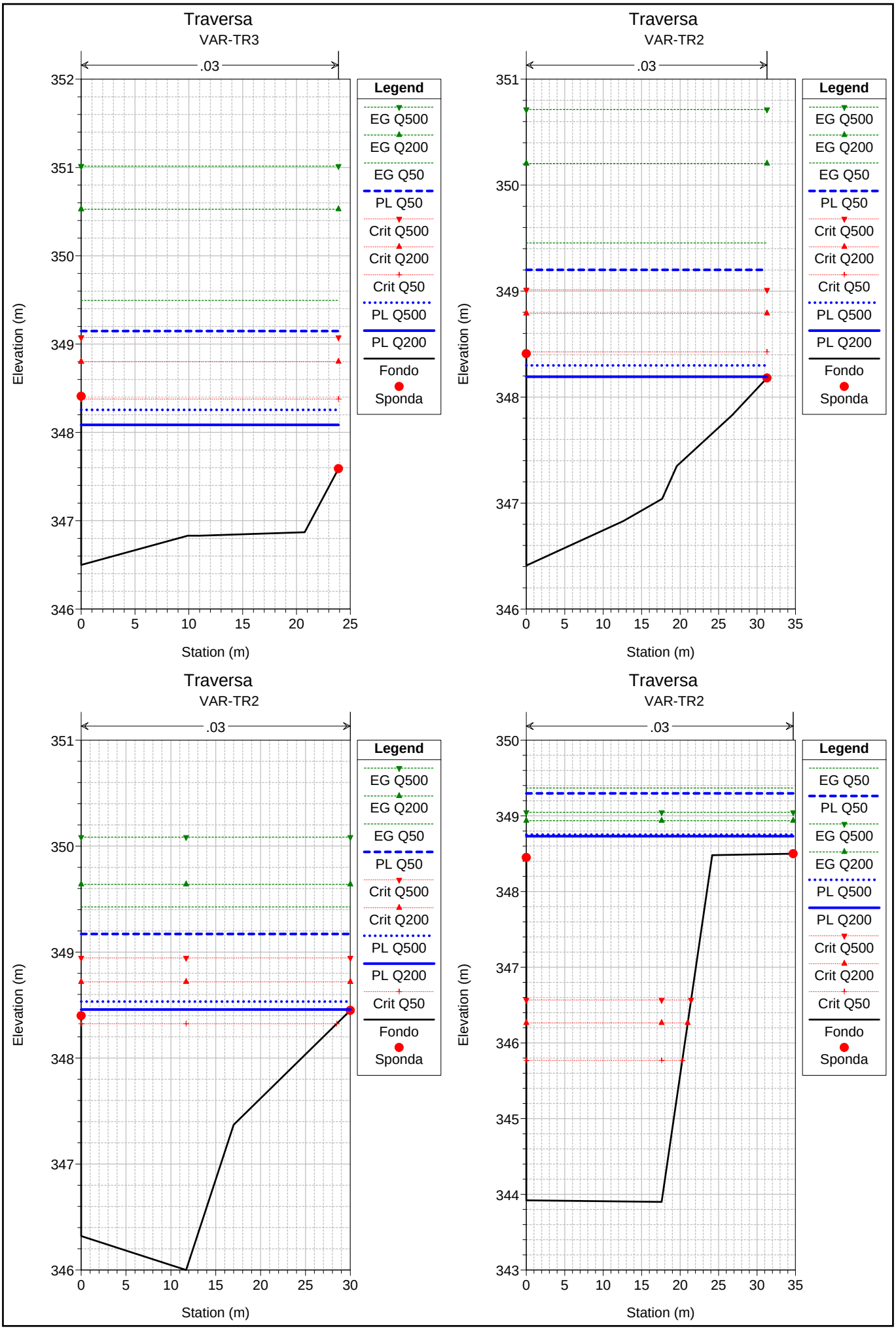


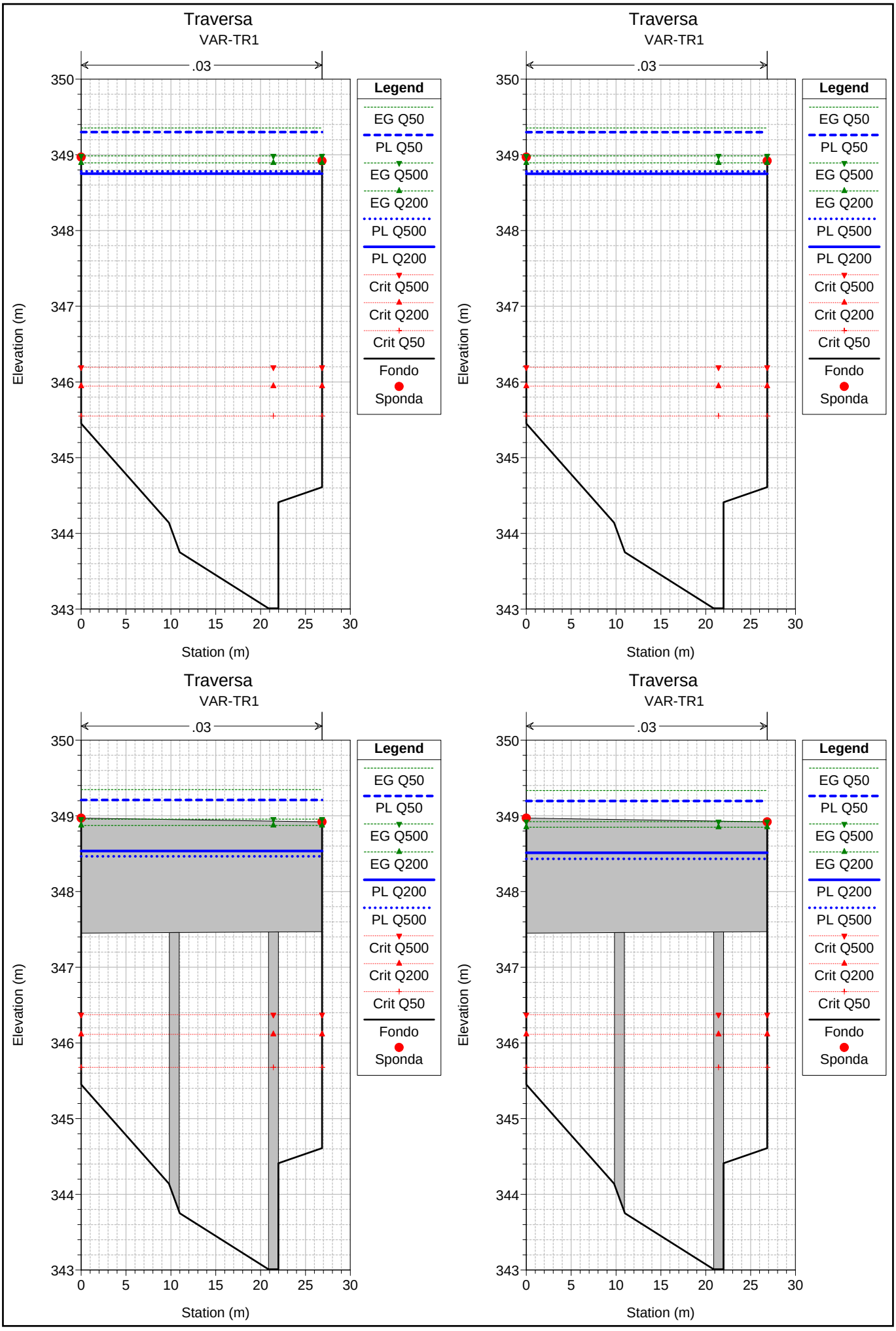

Traversa
VAR-TR9
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.03
Legend
EG Q500
EG Q200
Crit Q500
EG Q50
PL Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)
Traversa
VAR-TR8
.05
.03
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)
Traversa
VAR-TR7
.05
.03
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Sponda
Elevation (m)
Station (m)
Traversa
VAR-TR6
.03
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)

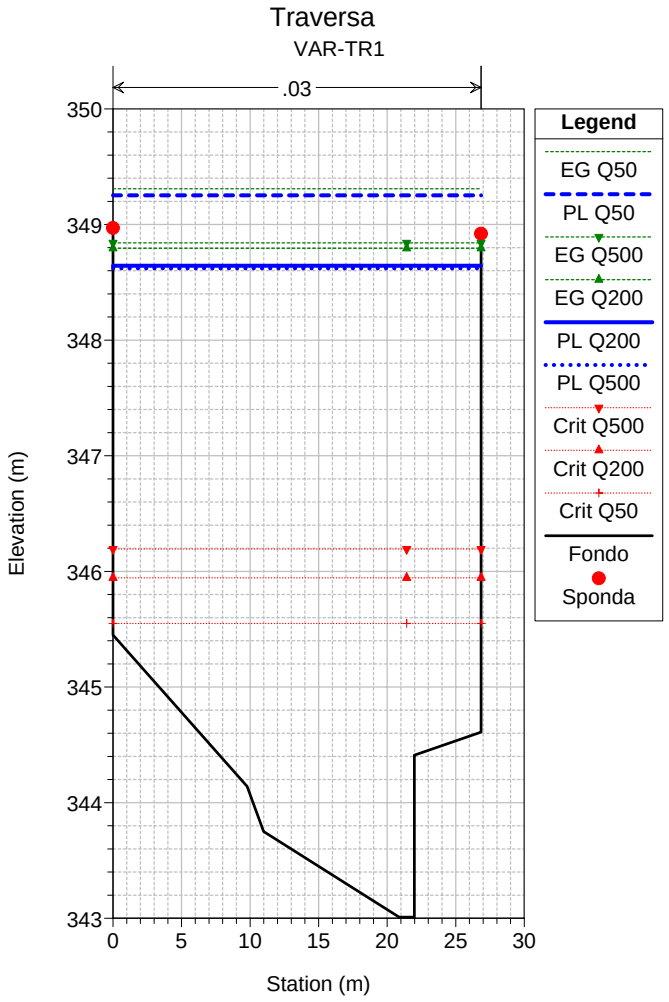

Traversa
VAR-TR5
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Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)
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352
351
350
349
348
347
0
5
10
15
20
25

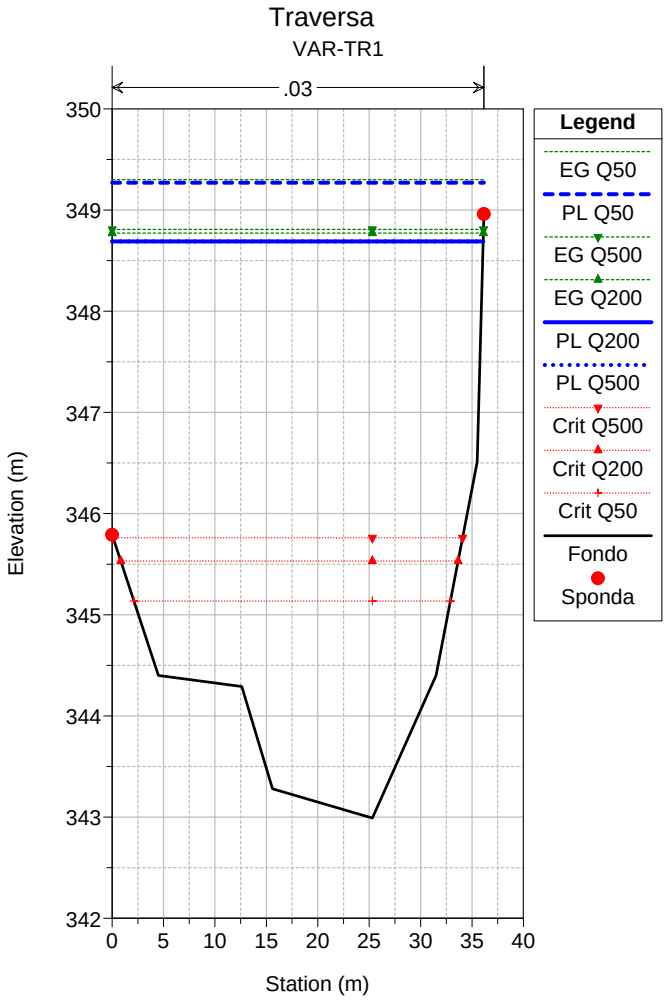

Traversa
VAR-TR5
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)
Traversa
VAR-TR5
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)
Traversa
VAR-TR4
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)
Traversa
VAR-TR3
.03
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Argine
Sponda
Elevation (m)
Station (m)


Traversa
VAR-TR3
.03
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Argine
Sponda
Elevation (m)
Station (m)
Traversa
VAR-TR3
.03
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Argine
Sponda
Elevation (m)
Station (m)
Traversa
VAR-TR3
.03
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Argine
Sponda
Elevation (m)
Station (m)
Traversa
VAR-TR3
.03
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Argine
Sponda
Elevation (m)
Station (m)


Traversa
VAR-TR3
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
Fondo
Sponda
Traversa
VAR-TR2
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
Fondo
Sponda
Traversa
VAR-TR2
.03
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
Fondo
Sponda
Traversa
VAR-TR2
.03
Elevation (m)
Station (m)
Legend
EG Q50
PL Q50
EG Q500
EG Q200
PL Q500
PL Q200
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda


Traversa
VAR-TR1
.03
Legend
EG Q50
PL Q50
EG Q500
EG Q200
PL Q500
PL Q200
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)
350
349
348
347
346
345
344
343
0
5
10
15
20
25
30


Traversa
VAR-TR1
.03
Elevation (m)
Station (m)
Legend
EG Q50
PL Q50
EG Q500
EG Q200
PL Q200
PL Q500
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda


Traversa
VAR-TR1
.03
Elevation (m)
Station (m)
Legend
EG Q50
PL Q50
EG Q500
EG Q200
PL Q200
PL Q500
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda

HEC-RAS Plan: SA River: traversa Reach: valle

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle	120 VAR-TR21	Q50	145.00	365.68	369.52	371.30	1.78	370.17	0.65	369.52	370.55	0.010029	4.49	32.26	15.74	1.00
valle	120 VAR-TR21	Q200	209.00	365.68	370.24	371.30	1.06	370.17	-0.07	370.24	371.35	0.008902	4.68	47.34	33.15	0.97
valle	120 VAR-TR21	Q500	252.00	365.68	370.58	371.30	0.72	370.17	-0.41	370.58	371.79	0.008354	4.89	59.35	36.06	0.96
valle	110 VAR-TR20	Q50	145.00	364.17	366.13	367.83	1.70	367.90	1.77	366.77	368.18	0.032648	6.34	22.86	17.60	1.78
valle	110 VAR-TR20	Q200	209.00	364.17	366.49	367.83	1.34	367.90	1.41	367.31	369.05	0.032897	7.09	29.49	19.18	1.82
valle	110 VAR-TR20	Q500	252.00	364.17	366.71	367.83	1.12	367.90	1.19	367.65	369.55	0.032182	7.47	33.73	19.83	1.83
valle	100 VAR-TR19	Q50	145.00	362.65	365.33	367.57	2.24	367.90	2.57	365.62	366.69	0.014563	5.16	28.09	15.36	1.22
valle	100 VAR-TR19	Q200	209.00	362.65	365.94	367.57	1.63	367.90	1.96	366.23	367.50	0.012983	5.53	37.76	16.77	1.18
valle	100 VAR-TR19	Q500	252.00	362.65	366.29	367.57	1.28	367.90	1.62	366.57	367.97	0.012390	5.76	43.76	17.48	1.16
valle	90 VAR-TR18	Q50	145.00	360.15	362.53	368.63	6.10	367.74	5.21	363.11	364.40	0.027150	6.05	23.97	16.96	1.62
valle	90 VAR-TR18	Q200	209.00	360.15	362.93	368.63	5.70	367.74	4.81	363.68	365.25	0.026588	6.74	31.00	18.20	1.65
valle	90 VAR-TR18	Q500	252.00	360.15	363.16	368.63	5.47	367.74	4.58	363.99	365.76	0.026677	7.13	35.33	19.04	1.67
valle	80 VAR-TR17	Q50	145.00	358.48	360.98	366.99	6.01	367.84	6.86	361.39	362.59	0.017414	5.63	25.77	13.96	1.32
valle	80 VAR-TR17	Q200	209.00	358.48	361.57	366.99	5.42	367.84	6.27	362.04	363.46	0.016068	6.09	34.32	15.23	1.30
valle	80 VAR-TR17	Q500	252.00	358.48	361.92	366.99	5.07	367.84	5.92	362.41	363.96	0.015390	6.33	39.84	16.01	1.28
valle	70 VAR-TR16	Q50	145.00	356.75	359.35	366.19	6.84	366.06	6.71	359.96	361.37	0.023646	6.30	23.02	13.13	1.52
valle	70 VAR-TR16	Q200	209.00	356.75	359.89	366.19	6.30	366.06	6.17	360.63	362.28	0.022053	6.85	30.51	14.30	1.50
valle	70 VAR-TR16	Q500	252.00	356.75	360.22	366.19	5.97	366.06	5.84	361.01	362.81	0.021293	7.13	35.33	15.04	1.49
valle	60 VAR-TR15	Q50	145.00	355.70	358.28	363.40	5.12	363.39	5.11	358.71	359.87	0.018247	5.58	25.97	15.02	1.36
valle	60 VAR-TR15	Q200	209.00	355.70	358.77	363.40	4.63	363.39	4.62	359.32	360.72	0.018325	6.19	33.76	16.63	1.39
valle	60 VAR-TR15	Q500	252.00	355.70	359.06	363.40	4.34	363.39	4.33	359.68	361.22	0.018367	6.52	38.64	17.55	1.40
valle	50 VAR-TR14	Q50	145.00	354.90	357.96	358.60	0.64	358.08	0.12	358.15	359.23	0.012470	4.99	29.03	14.66	1.13
valle	50 VAR-TR14	Q200	209.00	354.90	358.77	358.60	-0.17	358.08	-0.69	358.77	360.05	0.008787	5.02	42.48	19.89	0.99
valle	50 VAR-TR14	Q500	252.00	354.90	359.13	358.60	-0.53	358.08	-1.05	359.13	360.56	0.008249	5.30	50.03	21.85	0.98
valle	40 VAR-TR13	Q50	145.00	353.45	355.99	358.46	2.47	358.50	2.51	356.53	357.81	0.021857	5.98	24.27	14.41	1.47
valle	40 VAR-TR13	Q200	209.00	353.45	356.50	358.46	1.96	358.50	2.00	357.18	358.66	0.020981	6.51	32.13	16.07	1.47
valle	40 VAR-TR13	Q500	252.00	353.45	356.80	358.46	1.66	358.50	1.70	357.56	359.15	0.020421	6.79	37.09	16.90	1.46
valle	30 VAR-TR12	Q50	145.00	352.07	354.61	356.10	1.49	355.75	1.14	355.27	356.51	0.022958	6.11	23.73	14.19	1.51
valle	30 VAR-TR12	Q200	209.00	352.07	355.09	356.10	1.01	355.75	0.66	355.82	357.38	0.026244	6.69	31.22	18.02	1.62
valle	30 VAR-TR12	Q500	252.00	352.07	355.35	356.10	0.75	355.75	0.40	356.15	357.84	0.026363	7.00	35.99	19.47	1.64
valle	20 VAR-TR11	Q50	145.00	350.84	355.22	354.96	-0.26	355.37	0.15	353.93	355.57	0.002228	2.65	57.55	31.51	0.50
valle	20 VAR-TR11	Q200	209.00	350.84	355.82	354.96	-0.86	355.37	-0.45	354.56	356.29	0.002379	3.09	94.12	82.81	0.53
valle	20 VAR-TR11	Q500	252.00	350.84	356.14	354.96	-1.18	355.37	-0.77	354.97	356.68	0.002444	3.33	121.21	83.52	0.55
valle	10 VAR-TR10	Q50	145.00	351.00	355.01	355.05	0.04	370.00	14.99	353.86	355.43	0.002254	2.84	50.98	17.16	0.53
valle	10 VAR-TR10	Q200	209.00	351.00	355.46	355.05	-0.41	370.00	14.54	354.47	356.11	0.003129	3.55	58.86	17.81	0.62
valle	10 VAR-TR10	Q500	252.00	351.00	355.70	355.05	-0.65	370.00	14.30	354.83	356.51	0.003755	4.00	63.05	18.15	0.68
valle	9 VAR-TR9	Q50	145.00	350.50	354.33	353.34	-0.99	360.00	5.67	354.33	355.21	0.006015	4.29	41.21	29.39	0.80
valle	9 VAR-TR9	Q200	209.00	350.50	354.99	353.34	-1.65	360.00	5.01	354.99	355.85	0.005372	4.46	63.08	35.59	0.78
valle	9 VAR-TR9	Q500	252.00	350.50	355.14	353.34	-1.80	360.00	4.86	355.26	356.20	0.006519	5.01	68.25	35.75	0.86
valle	8 VAR-TR8	Q50	145.00	349.43	352.37	352.16	-0.21	354.48	2.11	353.06	354.44	0.018837	6.37	22.95	14.04	1.48

HEC-RAS Plan: SA River: traversa Reach: valle (Continued)

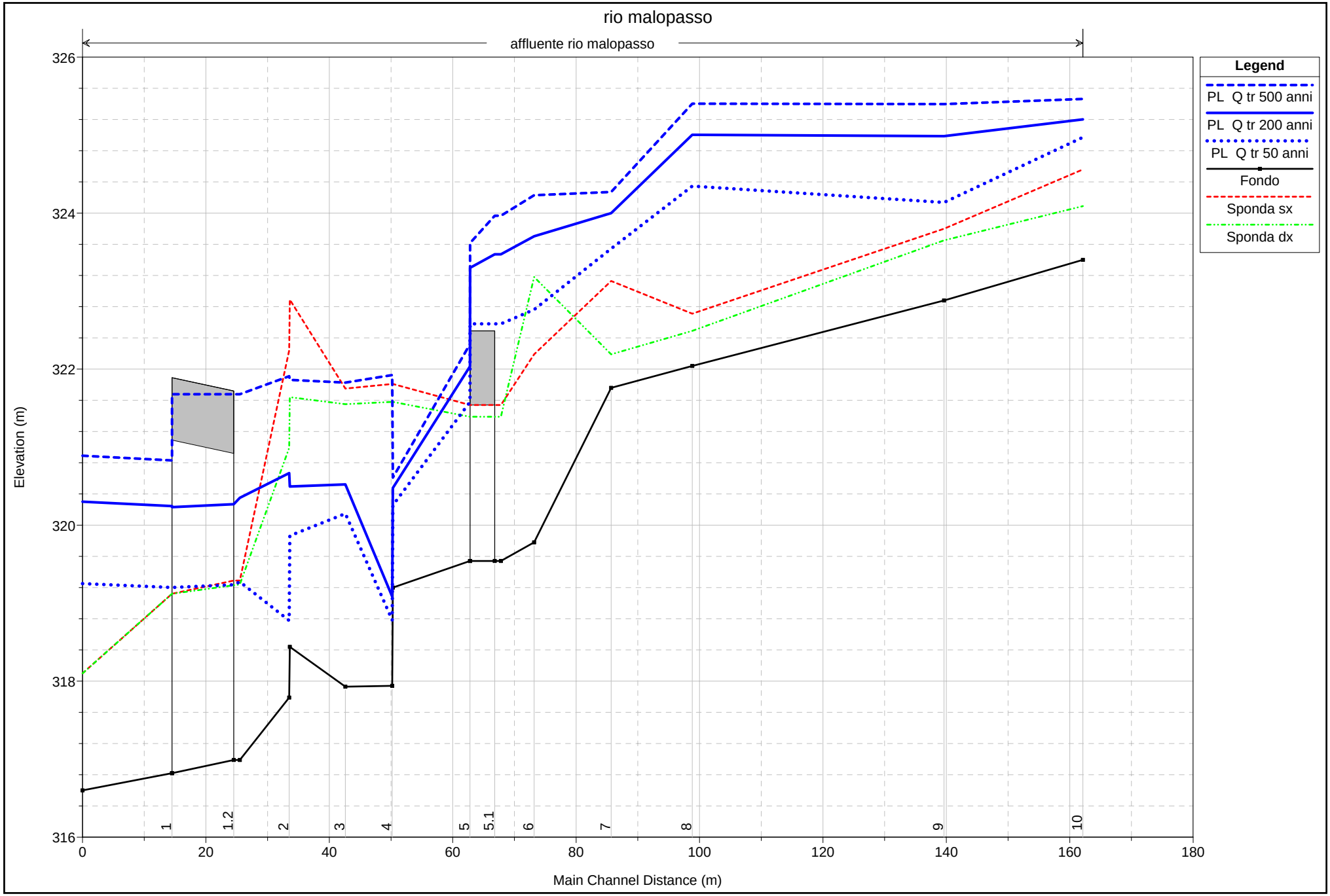
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle	8 VAR-TR8	Q200	209.00	349.43	353.03	352.16	-0.87	354.48	1.45	353.96	355.22	0.014689	6.64	34.38	20.80	1.34
valle	8 VAR-TR8	Q500	252.00	349.43	353.41	352.16	-1.25	354.48	1.07	354.25	355.62	0.013051	6.75	43.04	24.72	1.28
valle	7 VAR-TR7	Q50	145.00	349.01	350.28	352.60	2.32	352.84	2.56	350.85	352.18	0.031370	6.09	23.80	20.80	1.82
valle	7 VAR-TR7	Q200	209.00	349.01	350.54	352.60	2.06	352.84	2.30	351.32	353.17	0.034490	7.19	29.06	20.80	1.94
valle	7 VAR-TR7	Q500	252.00	349.01	350.71	352.60	1.89	352.84	2.13	351.61	353.75	0.034808	7.73	32.61	20.80	1.97
valle	6 VAR-TR6	Q50	145.00	348.51	350.84	352.84	2.00	352.18	1.34	350.46	351.31	0.004139	3.04	47.68	26.16	0.72
valle	6 VAR-TR6	Q200	209.00	348.51	351.72	352.84	1.12	352.18	0.46	350.88	352.15	0.002562	2.92	71.59	28.33	0.59
valle	6 VAR-TR6	Q500	252.00	348.51	352.39	352.84	0.45	352.18	-0.21	351.15	352.78	0.001836	2.76	91.23	29.99	0.51
valle	5.3 VAR-TR5	Q50	145.00	347.69	350.86	352.80	1.94	352.80	1.94	349.77	351.19	0.001962	2.54	57.04	21.20	0.49
valle	5.3 VAR-TR5	Q200	209.00	347.69	351.66	352.80	1.14	352.80	1.14	350.30	352.07	0.001855	2.82	74.04	21.20	0.48
valle	5.3 VAR-TR5	Q500	252.00	347.69	352.30	352.80	0.50	352.80	0.50	350.61	352.72	0.001647	2.88	87.43	21.20	0.45
valle	5.2 VAR-TR5	Q50	145.00	347.69	350.86	352.80	1.94	352.80	1.94	349.77	351.19	0.001969	2.55	56.97	21.20	0.50
valle	5.2 VAR-TR5	Q200	209.00	347.69	351.66	352.80	1.14	352.80	1.14	350.30	352.07	0.001860	2.83	73.97	21.20	0.48
valle	5.2 VAR-TR5	Q500	252.00	347.69	352.29	352.80	0.51	352.80	0.51	350.61	352.72	0.001651	2.88	87.37	21.20	0.45
valle	5.15 VAR-TR5		Bridge													
valle	5.1 VAR-TR5	Q50	145.00	347.69	350.34	352.80	2.46	352.80	2.46	349.77	350.84	0.003744	3.16	45.94	20.71	0.68
valle	5.1 VAR-TR5	Q200	209.00	347.69	350.82	352.80	1.98	352.80	1.98	350.30	351.53	0.004275	3.72	56.15	21.20	0.73
valle	5.1 VAR-TR5	Q500	252.00	347.69	351.10	352.80	1.70	352.80	1.70	350.61	351.94	0.004562	4.05	62.16	21.20	0.76
valle	5 VAR-TR5	Q50	145.00	347.69	350.30	352.80	2.50	352.80	2.50	349.77	350.82	0.003930	3.21	45.17	20.62	0.69
valle	5 VAR-TR5	Q200	209.00	347.69	350.76	352.80	2.04	352.80	2.04	350.30	351.50	0.004582	3.81	54.90	21.20	0.76
valle	5 VAR-TR5	Q500	252.00	347.69	351.03	352.80	1.77	352.80	1.77	350.61	351.91	0.004954	4.17	60.50	21.20	0.79
valle	4 VAR-TR4	Q50	145.00	347.26	349.90	349.74	-0.16	350.85	0.95	349.90	350.70	0.008646	3.97	36.55	22.75	1.00
valle	4 VAR-TR4	Q200	209.00	347.26	350.35	349.74	-0.61	350.85	0.50	350.35	351.36	0.008260	4.47	46.80	22.82	1.00
valle	4 VAR-TR4	Q500	252.00	347.26	350.71	349.74	-0.97	350.85	0.14	350.62	351.78	0.007201	4.57	55.17	22.88	0.94
valle	3.3 VAR-TR3	Q50	145.00	346.76	349.77	352.58	2.81	350.22	0.45	348.80	350.11	0.002197	2.55	56.78	21.70	0.50
valle	3.3 VAR-TR3	Q200	209.00	346.76	350.52	352.58	2.06	350.22	-0.30	349.27	350.94	0.002083	2.86	73.22	22.22	0.50
valle	3.3 VAR-TR3	Q500	252.00	346.76	351.21	352.58	1.37	350.22	-0.99	349.56	351.47	0.001372	2.28	111.07	32.42	0.39
valle	3.2 VAR-TR3	Q50	145.00	346.76	349.77	352.58	2.81	352.88	3.11	348.79	350.10	0.002211	2.56	56.66	21.70	0.51
valle	3.2 VAR-TR3	Q200	209.00	346.76	350.52	352.58	2.06	352.88	2.36	349.27	350.94	0.002124	2.86	72.98	21.82	0.50
valle	3.2 VAR-TR3	Q500	252.00	346.76	351.20	352.58	1.38	352.88	1.68	349.56	351.47	0.001419	2.28	110.56	32.02	0.39
valle	3.15 VAR-TR3		Bridge													
valle	3.1 VAR-TR3	Q50	145.00	346.76	348.40	352.58	4.18	352.62	4.22	348.85	349.97	0.024189	5.56	26.10	20.22	1.56
valle	3.1 VAR-TR3	Q200	209.00	346.76	348.75	352.58	3.83	352.62	3.87	349.33	350.77	0.023481	6.30	33.18	20.22	1.57
valle	3.1 VAR-TR3	Q500	252.00	346.76	348.97	352.58	3.61	352.62	3.65	349.63	351.26	0.023161	6.71	37.54	20.22	1.57
valle	3 VAR-TR3	Q50	145.00	346.50	349.15	348.41	-0.74	347.59	-1.56	348.38	349.49	0.002477	2.61	55.59	23.90	0.55
valle	3 VAR-TR3	Q200	209.00	346.50	348.09	348.41	0.32	347.59	-0.50	348.80	350.53	0.035468	6.92	30.19	23.90	1.97
valle	3 VAR-TR3	Q500	252.00	346.50	348.26	348.41	0.15	347.59	-0.67	349.08	351.01	0.034486	7.36	34.24	23.90	1.96
valle	2.2 VAR-TR2	Q50	145.00	346.41	349.20	348.41	-0.79	348.18	-1.02	348.43	349.46	0.001994	2.24	64.81	31.30	0.50
valle	2.2 VAR-TR2	Q200	209.00	346.41	348.19	348.41	0.22	348.18	-0.01	348.79	350.20	0.035395	6.28	33.26	31.30	1.95

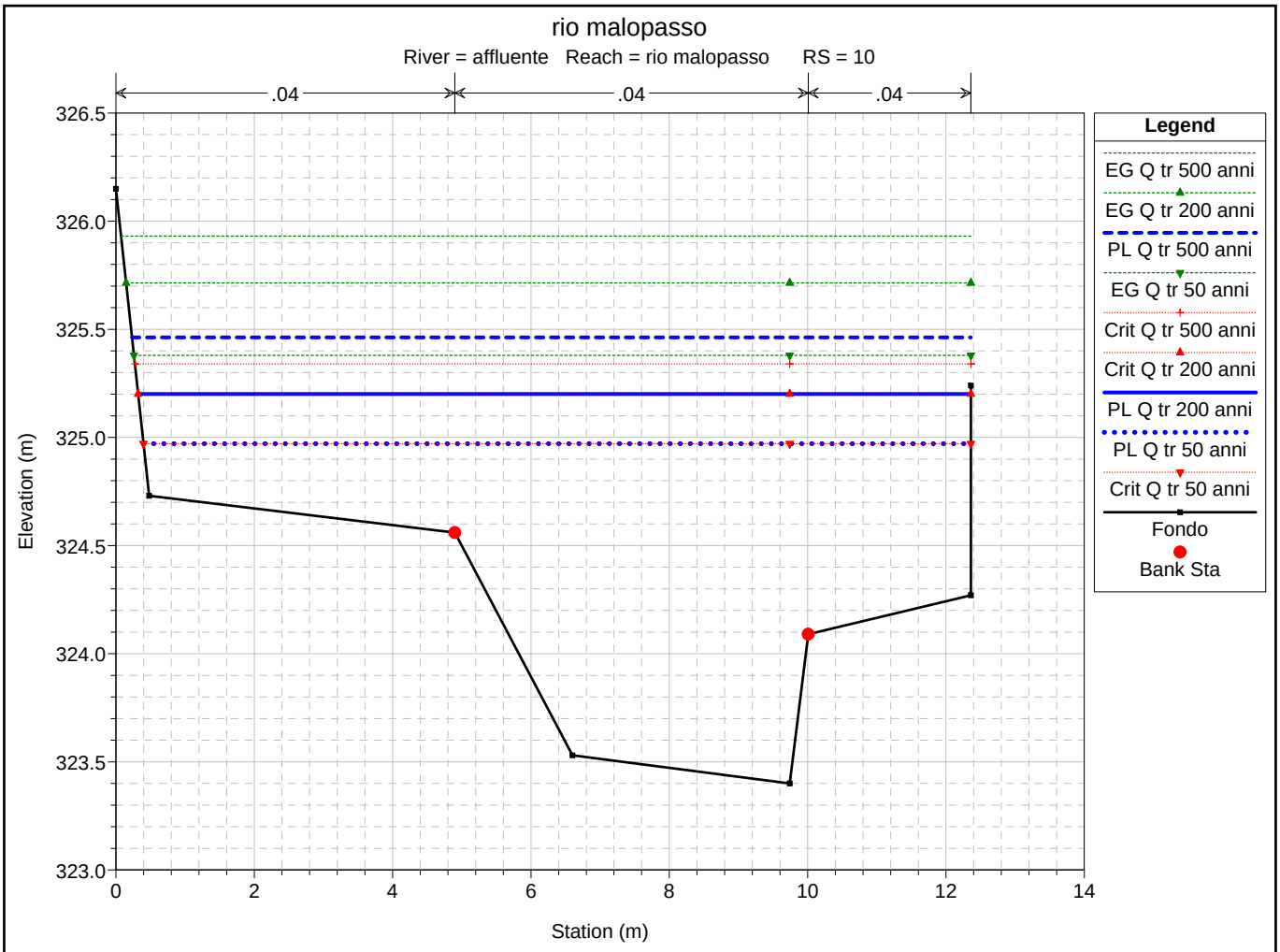
HEC-RAS Plan: SA River: traversa Reach: valle (Continued)

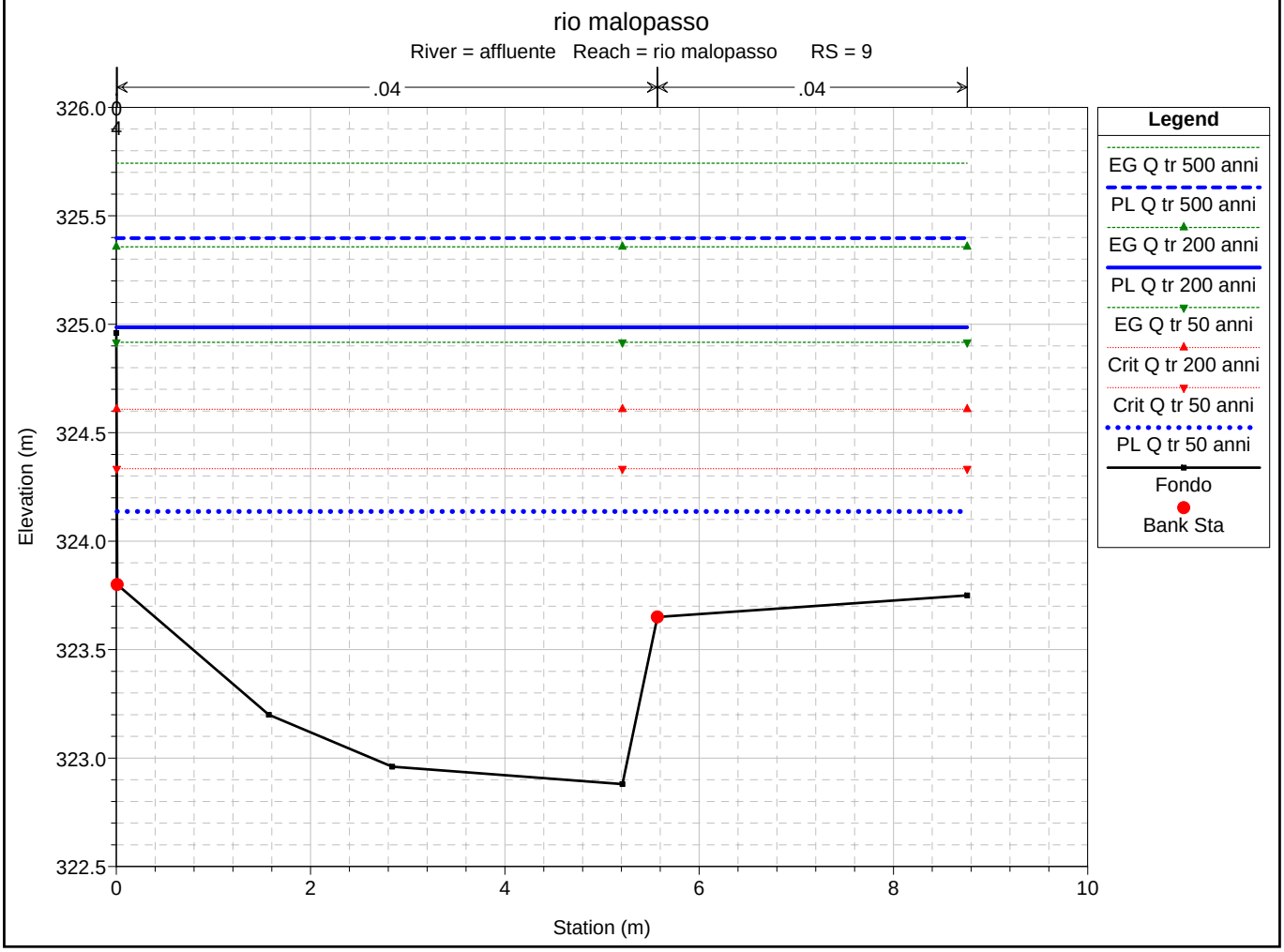
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle	2.2 VAR-TR2	Q500	252.00	346.41	348.30	348.41	0.11	348.18	-0.12	349.01	350.71	0.037695	6.88	36.61	31.30	2.03
valle	2.1 VAR-TR2	Q50	145.00	346.00	349.17	348.40	-0.77	348.45	-0.72	348.32	349.43	0.001893	2.24	64.79	30.00	0.49
valle	2.1 VAR-TR2	Q200	209.00	346.00	348.46	348.40	-0.06	348.45	-0.01	348.72	349.64	0.014118	4.82	43.40	30.00	1.28
valle	2.1 VAR-TR2	Q500	252.00	346.00	348.53	348.40	-0.13	348.45	-0.08	348.95	350.08	0.017439	5.52	45.66	30.00	1.43
valle	2 VAR-TR2	Q50	145.00	343.90	349.30	348.45	-0.85	348.50	-0.80	345.77	349.37	0.000296	1.17	123.73	34.70	0.20
valle	2 VAR-TR2	Q200	209.00	343.90	348.73	348.45	-0.28	348.50	-0.23	346.26	348.94	0.001055	2.01	104.04	34.70	0.37
valle	2 VAR-TR2	Q500	252.00	343.90	348.75	348.45	-0.30	348.50	-0.25	346.57	349.05	0.001500	2.40	104.79	34.70	0.44
valle	1.3 VAR-TR1	Q50	145.00	343.01	349.30	348.97	-0.33	348.92	-0.38	345.55	349.36	0.000166	1.04	139.36	26.85	0.15
valle	1.3 VAR-TR1	Q200	209.00	343.01	348.75	348.97	0.22	348.92	0.17	345.94	348.89	0.000481	1.68	124.60	26.85	0.25
valle	1.3 VAR-TR1	Q500	252.00	343.01	348.78	348.97	0.19	348.92	0.14	346.19	348.99	0.000686	2.01	125.42	26.85	0.30
valle	1.2 VAR-TR1	Q50	145.00	343.01	349.30	348.97	-0.33	348.92	-0.38	345.55	349.36	0.000166	1.04	139.35	26.85	0.15
valle	1.2 VAR-TR1	Q200	209.00	343.01	348.75	348.97	0.22	348.92	0.17	345.94	348.89	0.000482	1.68	124.58	26.85	0.25
valle	1.2 VAR-TR1	Q500	252.00	343.01	348.78	348.97	0.19	348.92	0.14	346.19	348.99	0.000687	2.01	125.40	26.85	0.30
valle	1.15 VAR-TR1		Bridge													
valle	1.1 VAR-TR1	Q50	145.00	343.01	349.25	348.97	-0.28	348.92	-0.33	345.55	349.31	0.000171	1.05	138.08	26.85	0.15
valle	1.1 VAR-TR1	Q200	209.00	343.01	348.64	348.97	0.33	348.92	0.28	345.94	348.79	0.000516	1.72	121.73	26.85	0.26
valle	1.1 VAR-TR1	Q500	252.00	343.01	348.62	348.97	0.35	348.92	0.30	346.19	348.84	0.000762	2.08	121.12	26.85	0.31
valle	1 VAR-TR1	Q50	145.00	342.99	349.27	345.79	-3.48	348.96	-0.31	345.14	349.30	0.000078	0.78	185.48	36.16	0.11
valle	1 VAR-TR1	Q200	209.00	342.99	348.69	345.79	-2.90	348.96	0.27	345.53	348.77	0.000233	1.27	164.52	36.09	0.19
valle	1 VAR-TR1	Q500	252.00	342.99	348.69	345.79	-2.90	348.96	0.27	345.76	348.81	0.000339	1.53	164.52	36.09	0.23

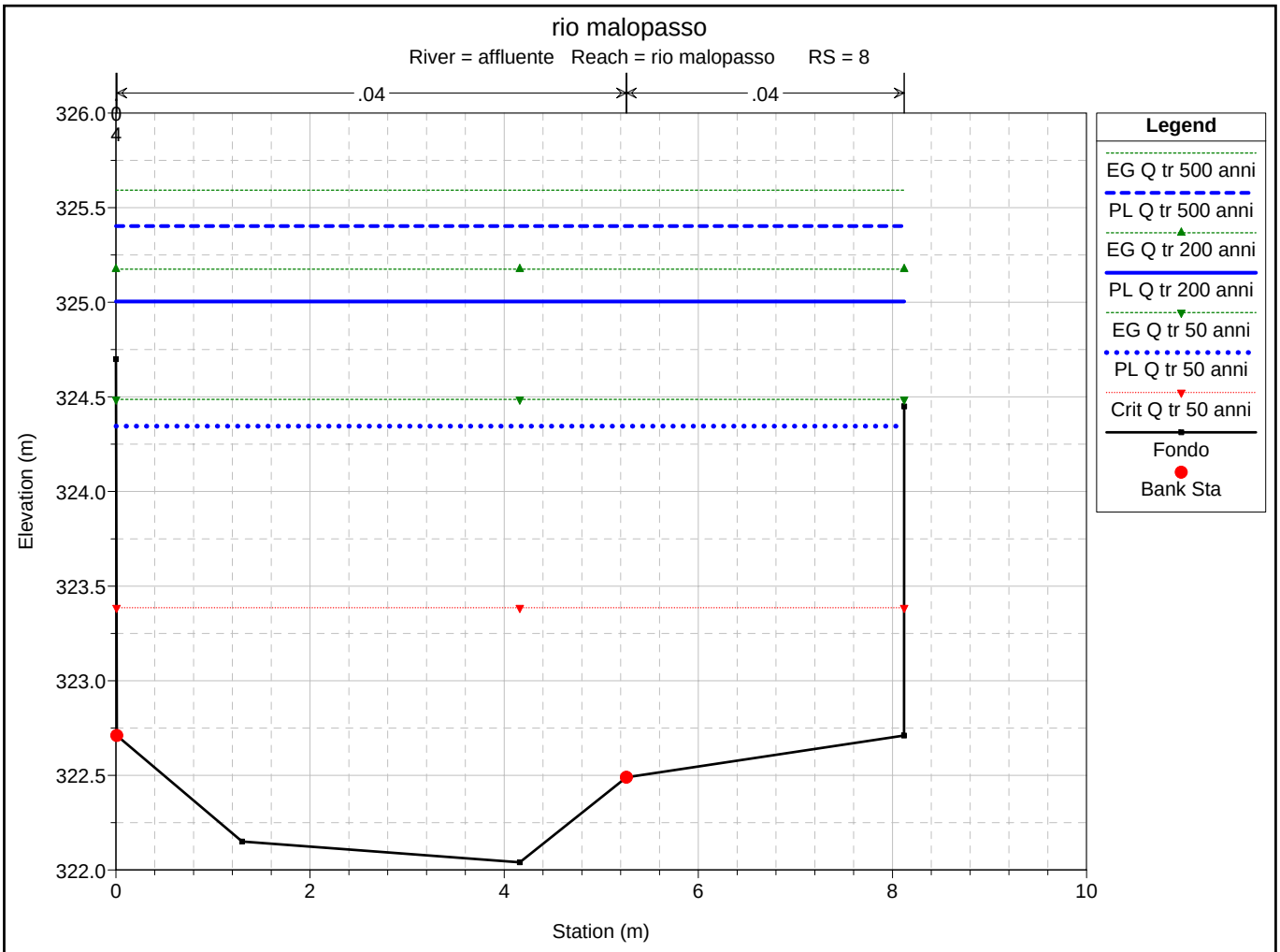
Rio Malopasso

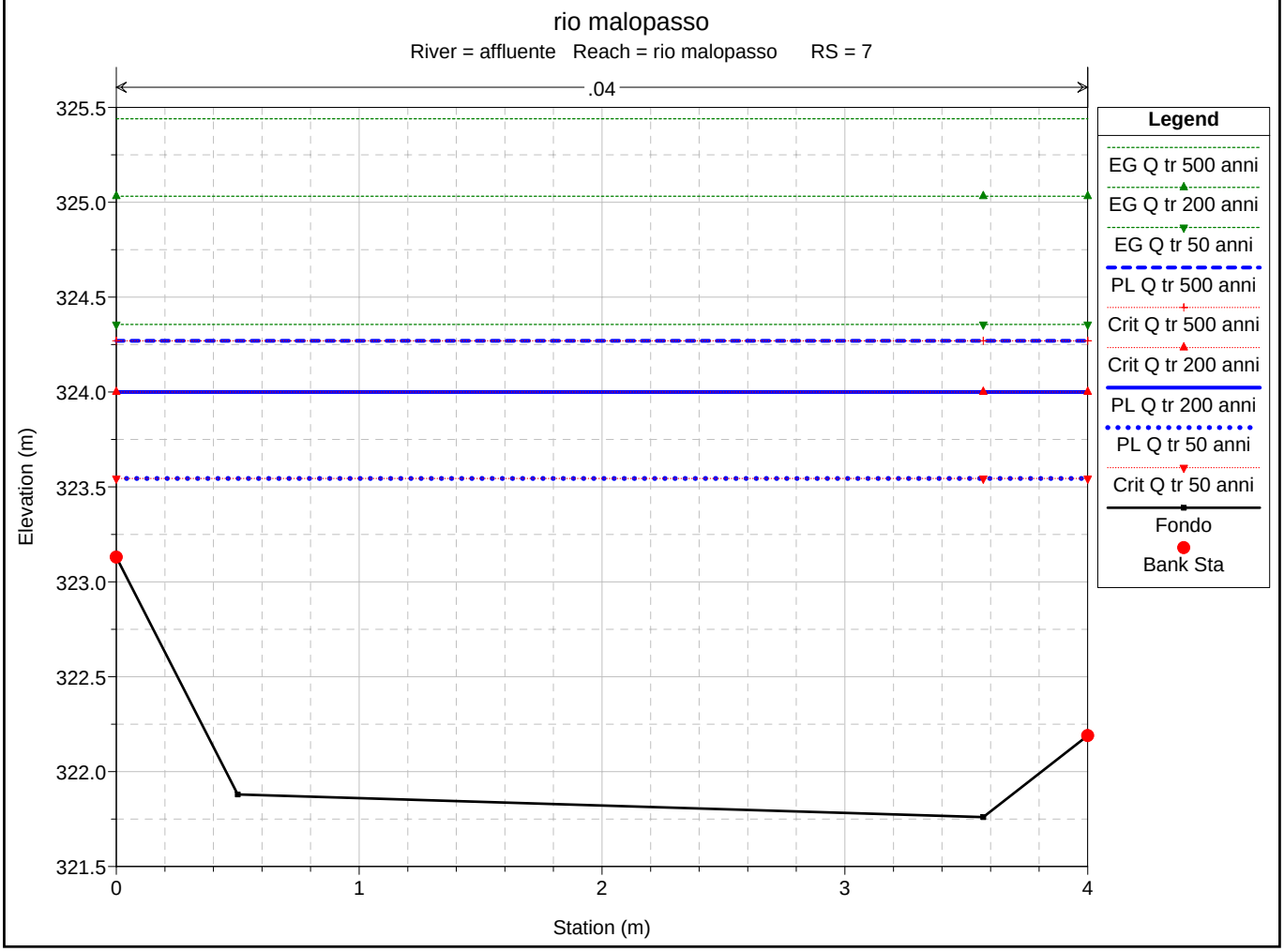
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

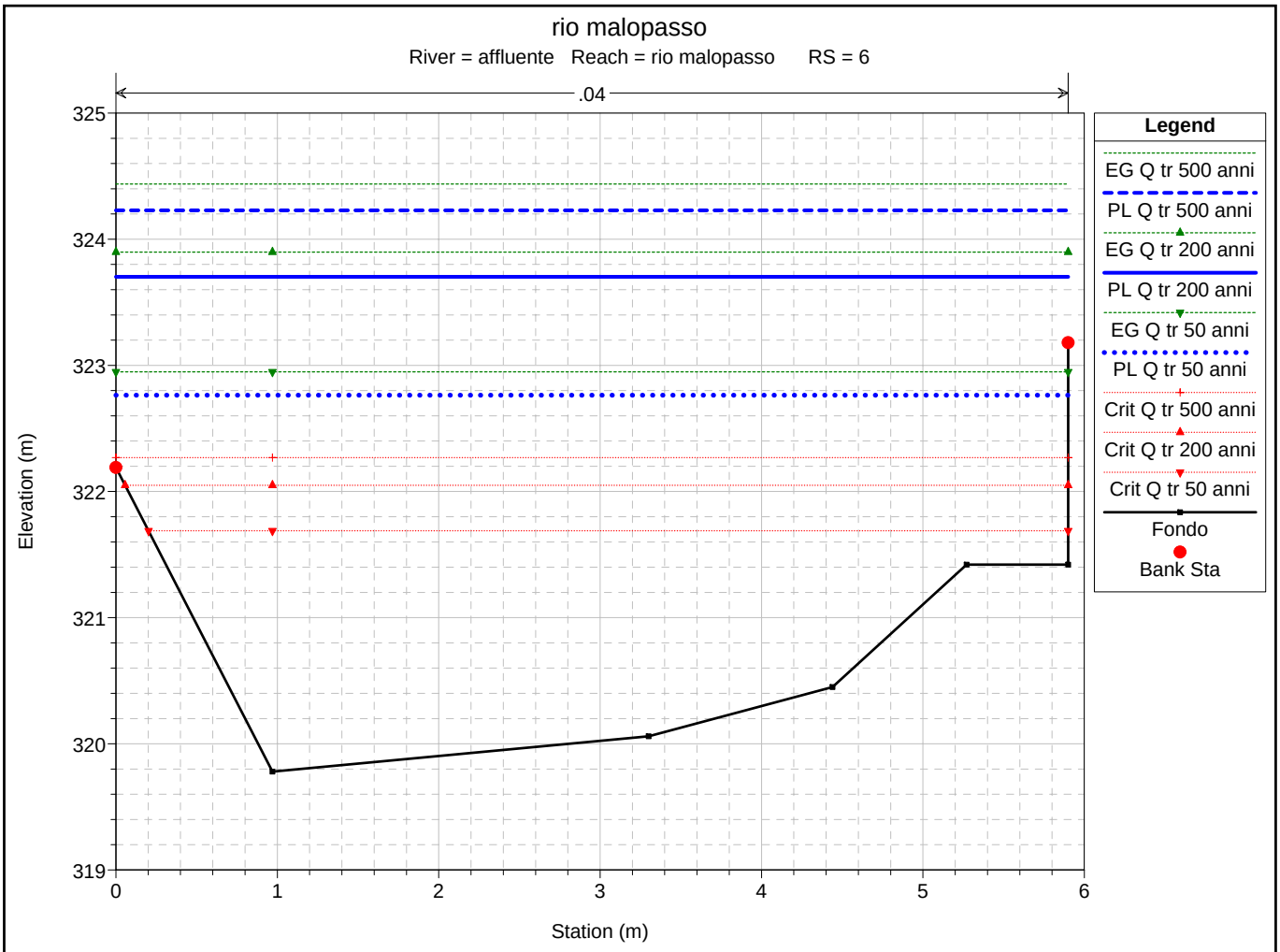

rio malopasso
affluente rio malopasso
Legend
PL Q tr 500 anni
PL Q tr 200 anni
PL Q tr 50 anni
Fondo
Sponda sx
Sponda dx
Elevation (m)
Main Channel Distance (m)
326
324
322
320
318
316
0
20
40
60
80
100
120
140
160
180
1
1.2
2
3
4
5
5.1
6
7
8
9
10

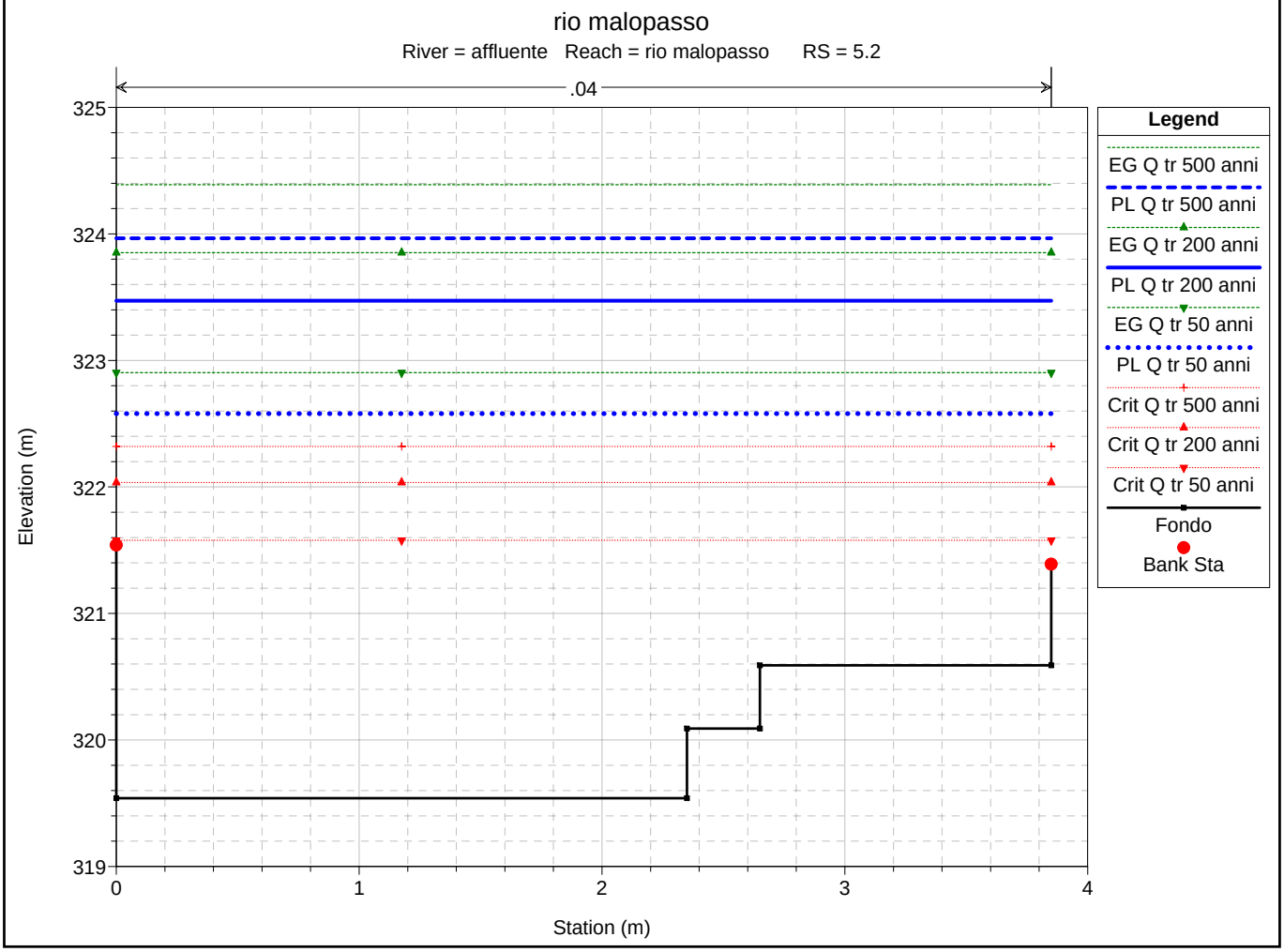

rio malopasso
River = affluente Reach = rio malopasso RS = 10
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
EG Q tr 200 anni
PL Q tr 500 anni
EG Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
PL Q tr 200 anni
PL Q tr 50 anni
Crit Q tr 50 anni
Fondo
Bank Sta

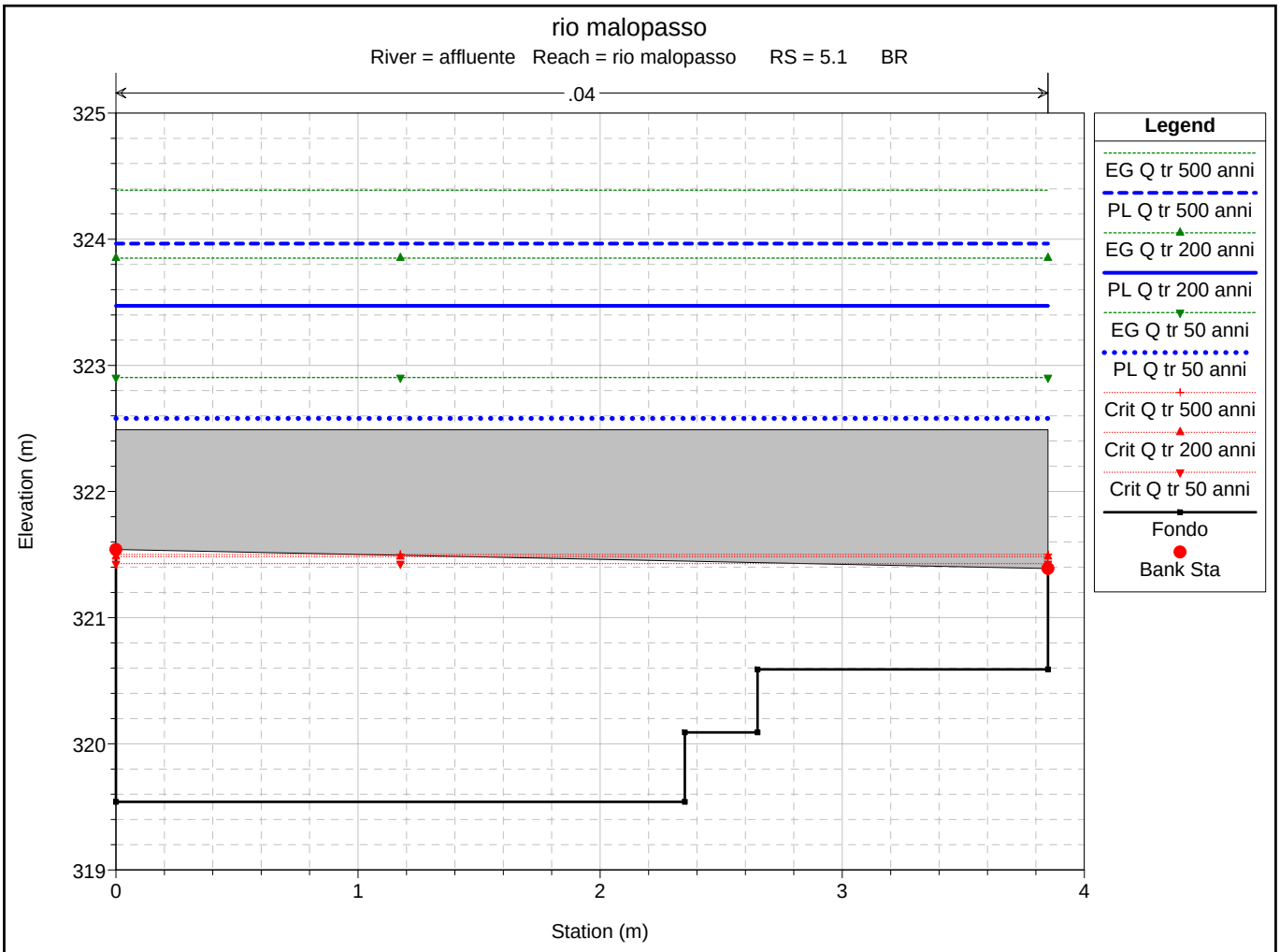

rio malopasso
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.04
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
Crit Q tr 200 anni
Crit Q tr 50 anni
PL Q tr 50 anni
Fondo
Bank Sta

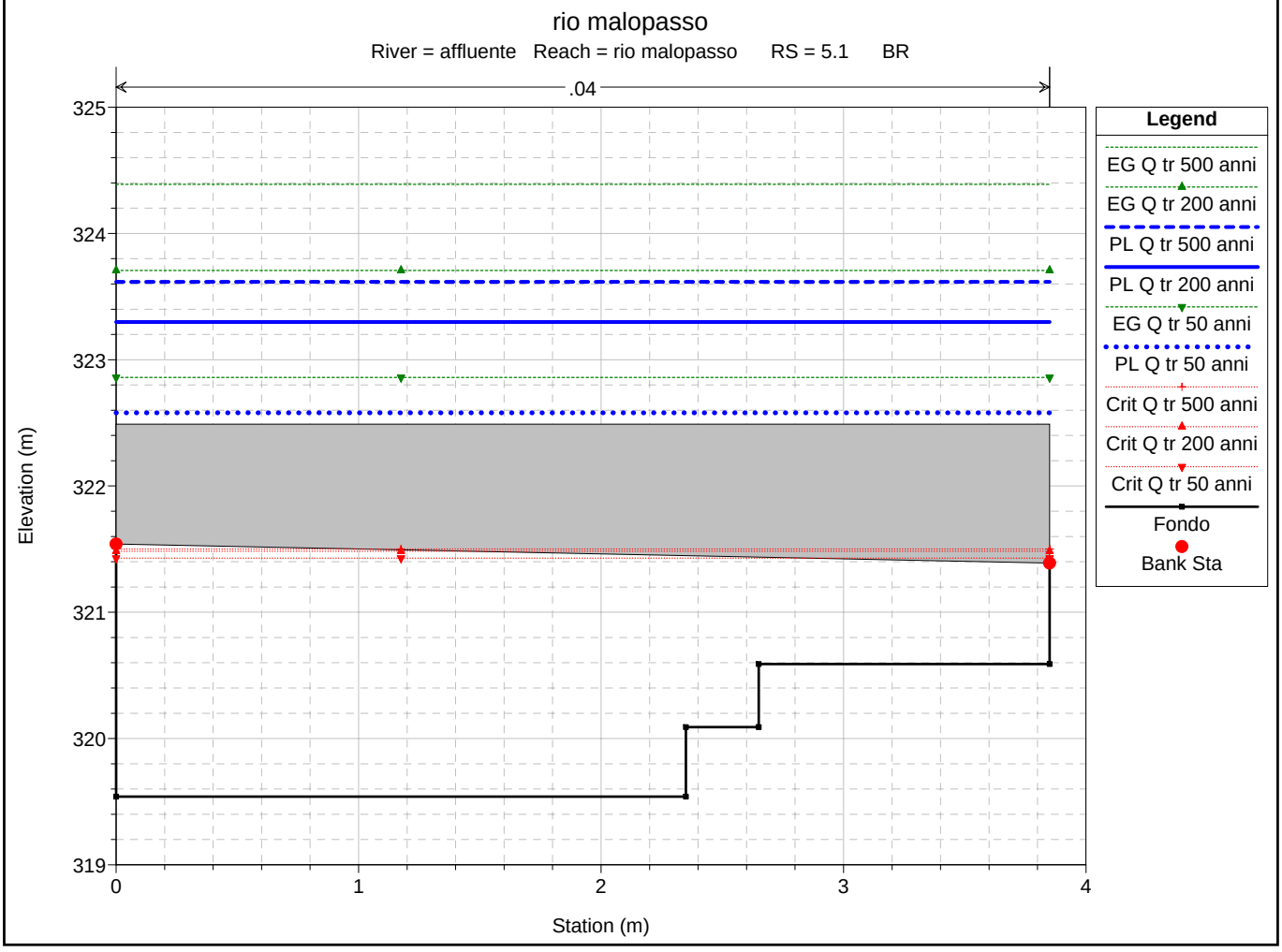

rio malopasso
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.04
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
PL Q tr 50 anni
Crit Q tr 50 anni
Fondo
Bank Sta

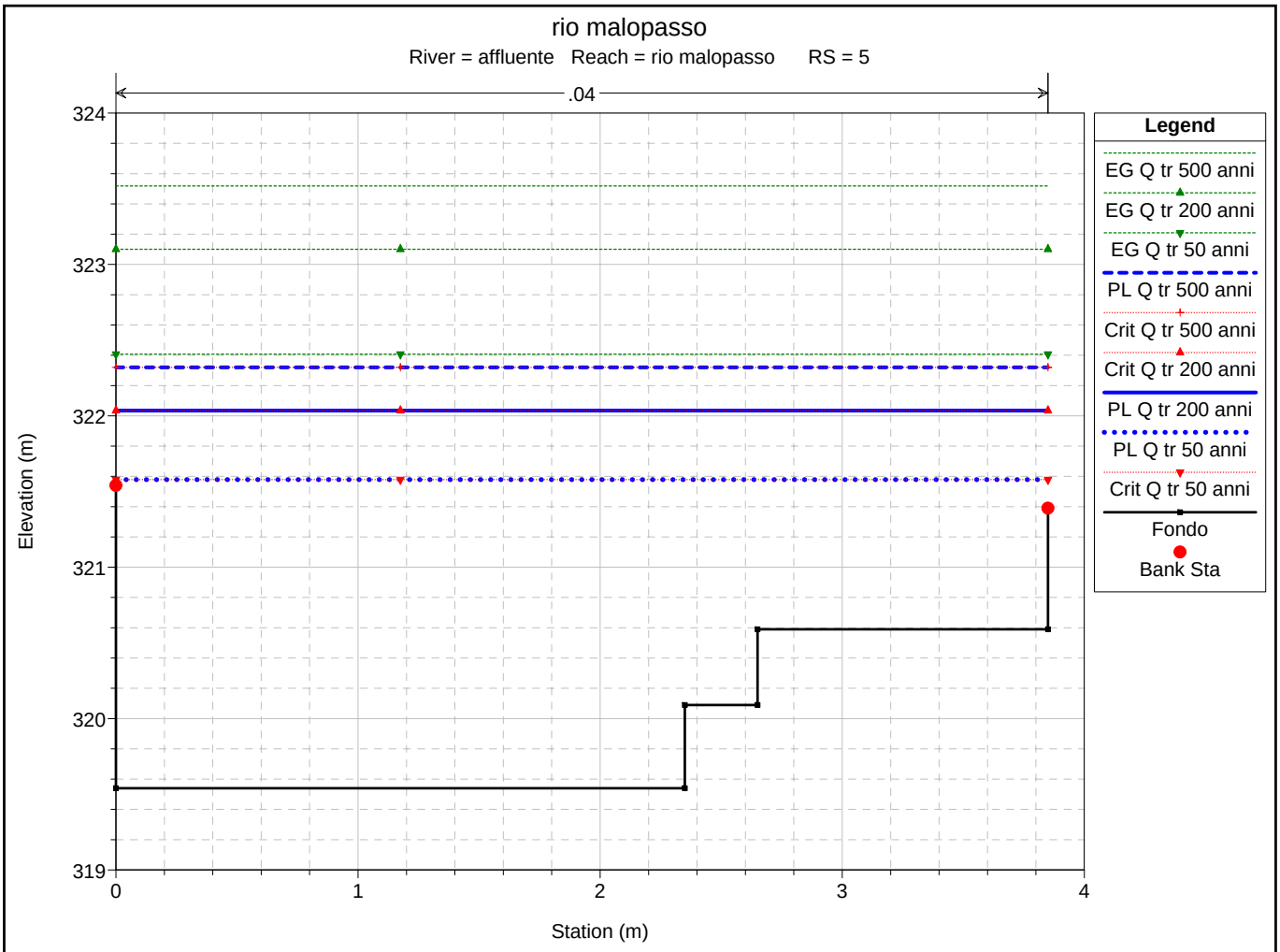

rio malopasso
River = affluente Reach = rio malopasso RS = 7
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
EG Q tr 200 anni
EG Q tr 50 anni
PL Q tr 500 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
PL Q tr 200 anni
PL Q tr 50 anni
Crit Q tr 50 anni
Fondo
Bank Sta

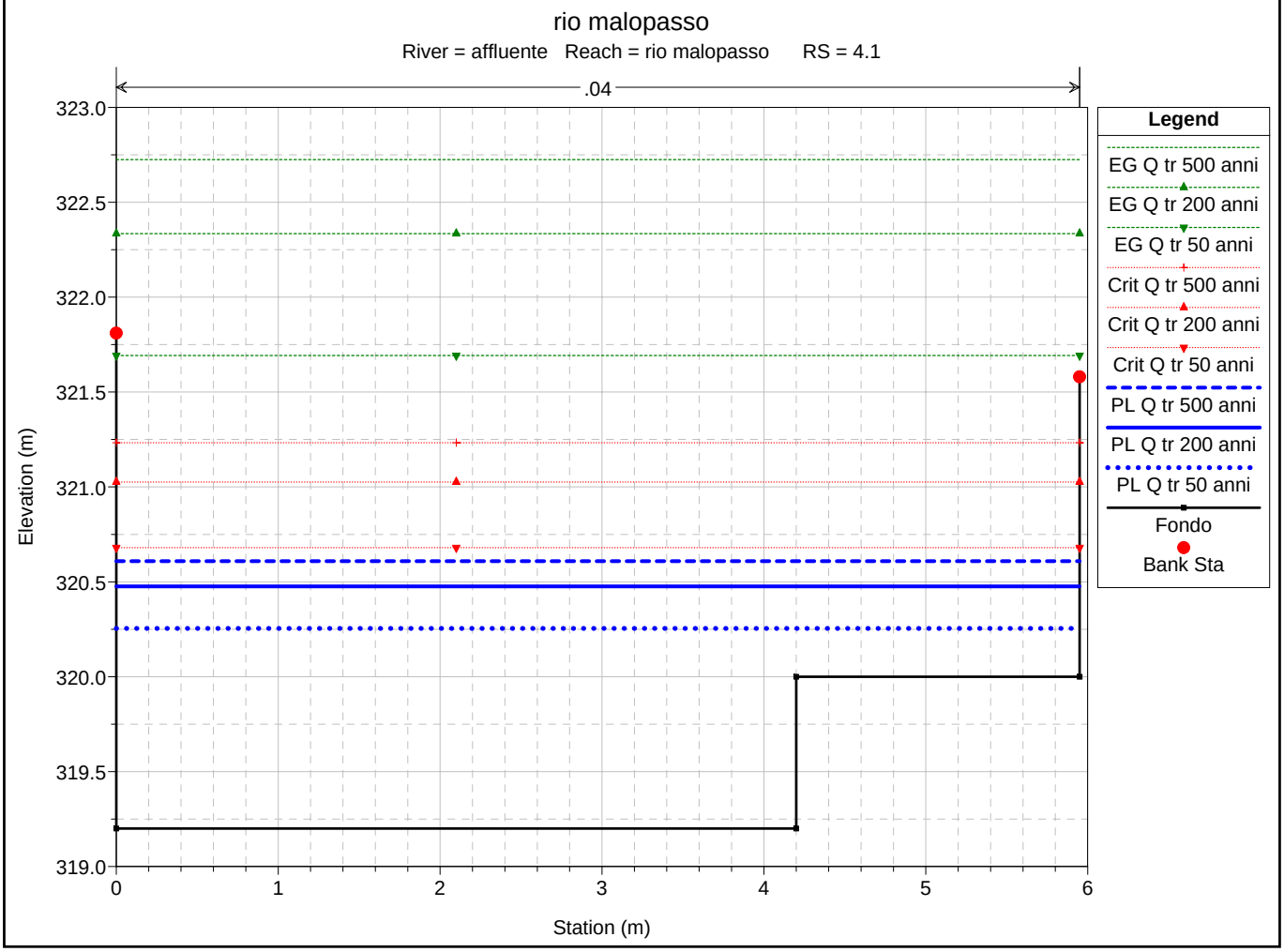

rio malopasso
River = affluente Reach = rio malopasso RS = 6
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
PL Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
Crit Q tr 50 anni
Fondo
Bank Sta

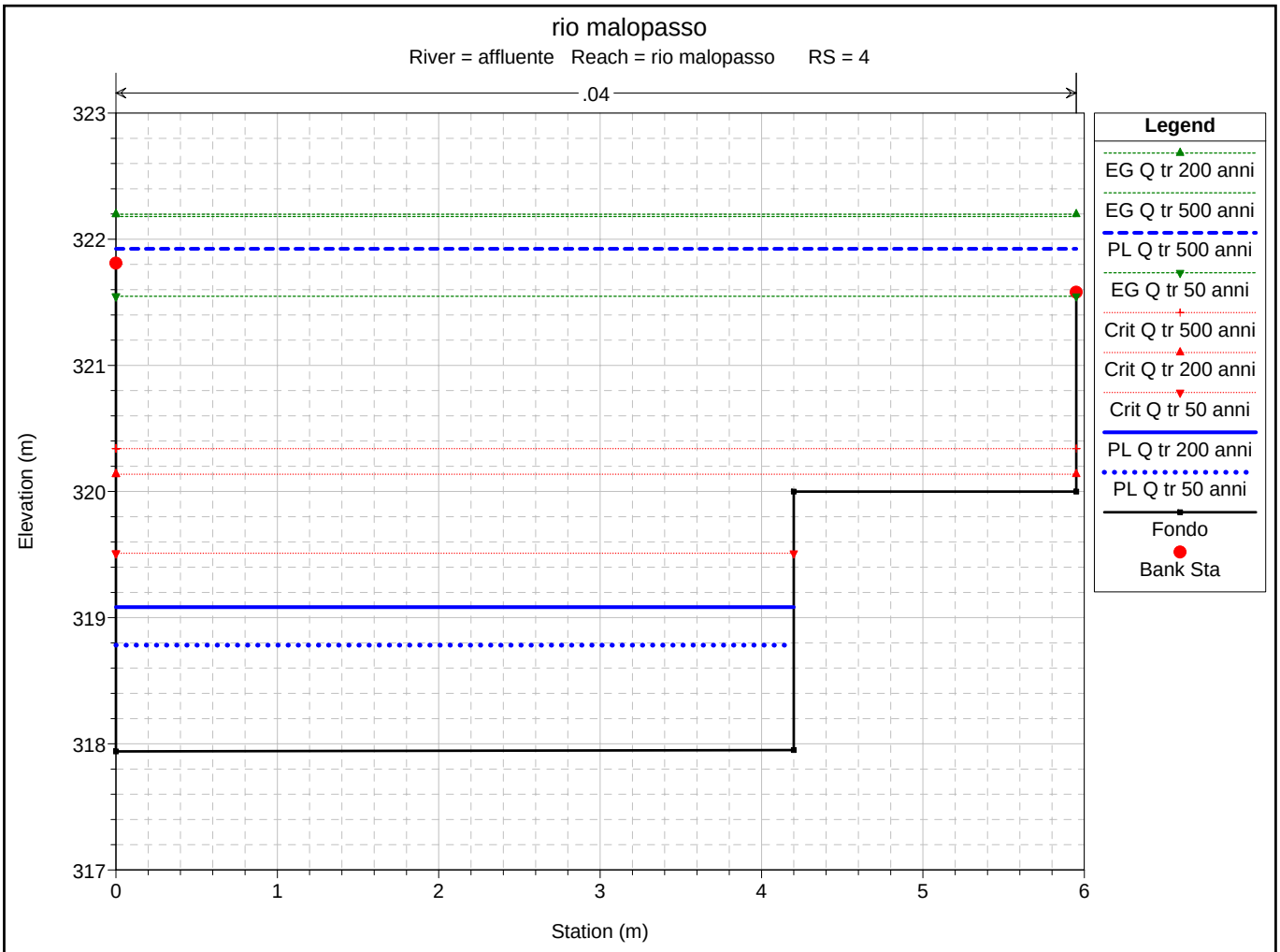

rio malopasso
River = affluente Reach = rio malopasso RS = 5.2
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
PL Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
Crit Q tr 50 anni
Fondo
Bank Sta

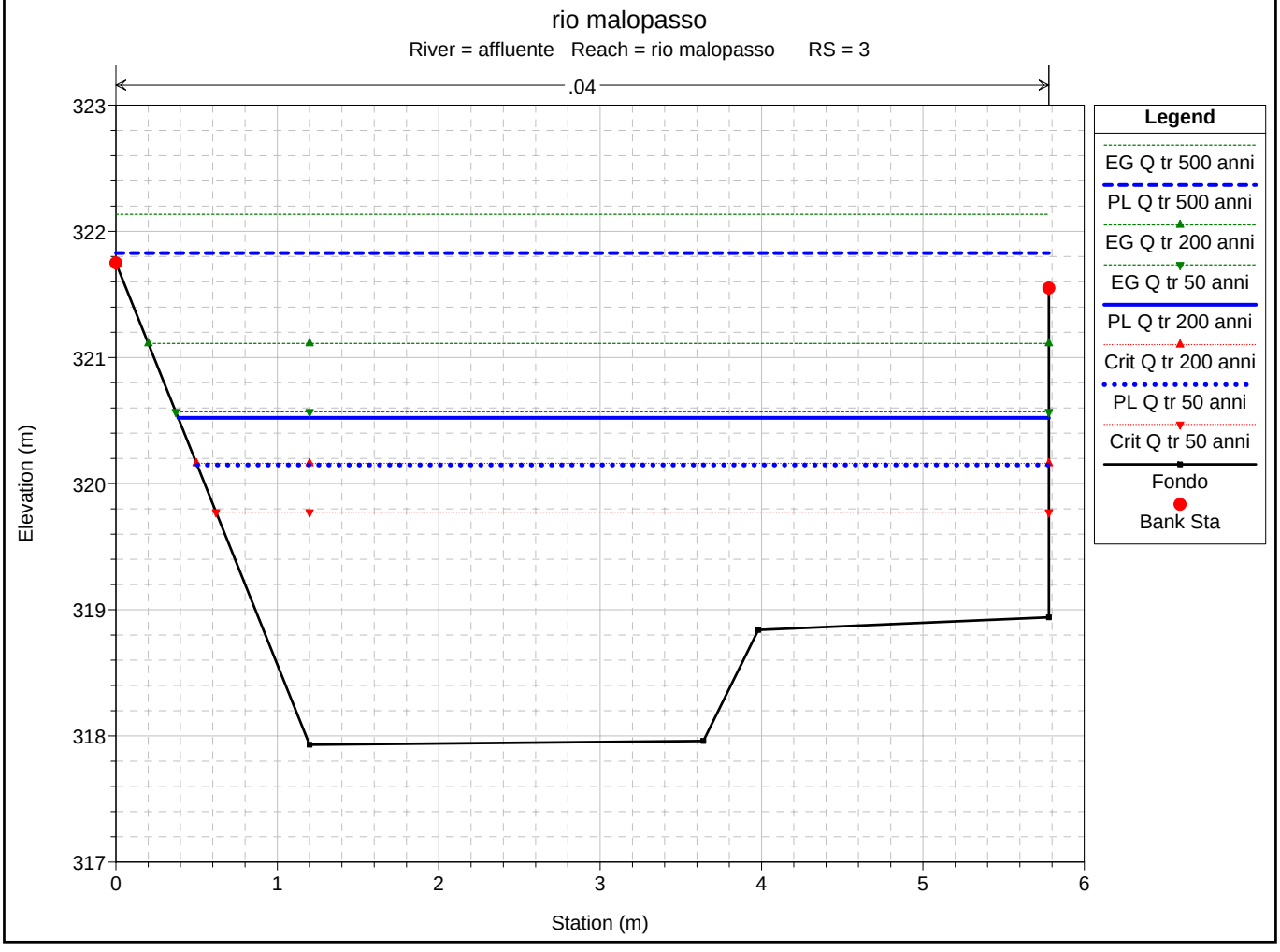

rio malopasso
River = affluente Reach = rio malopasso RS = 5.1 BR
.04
Elevation (m)
325
324
323
322
321
320
319
0
1
2
3
4
Station (m)
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
PL Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
Crit Q tr 50 anni
Fondo
Bank Sta

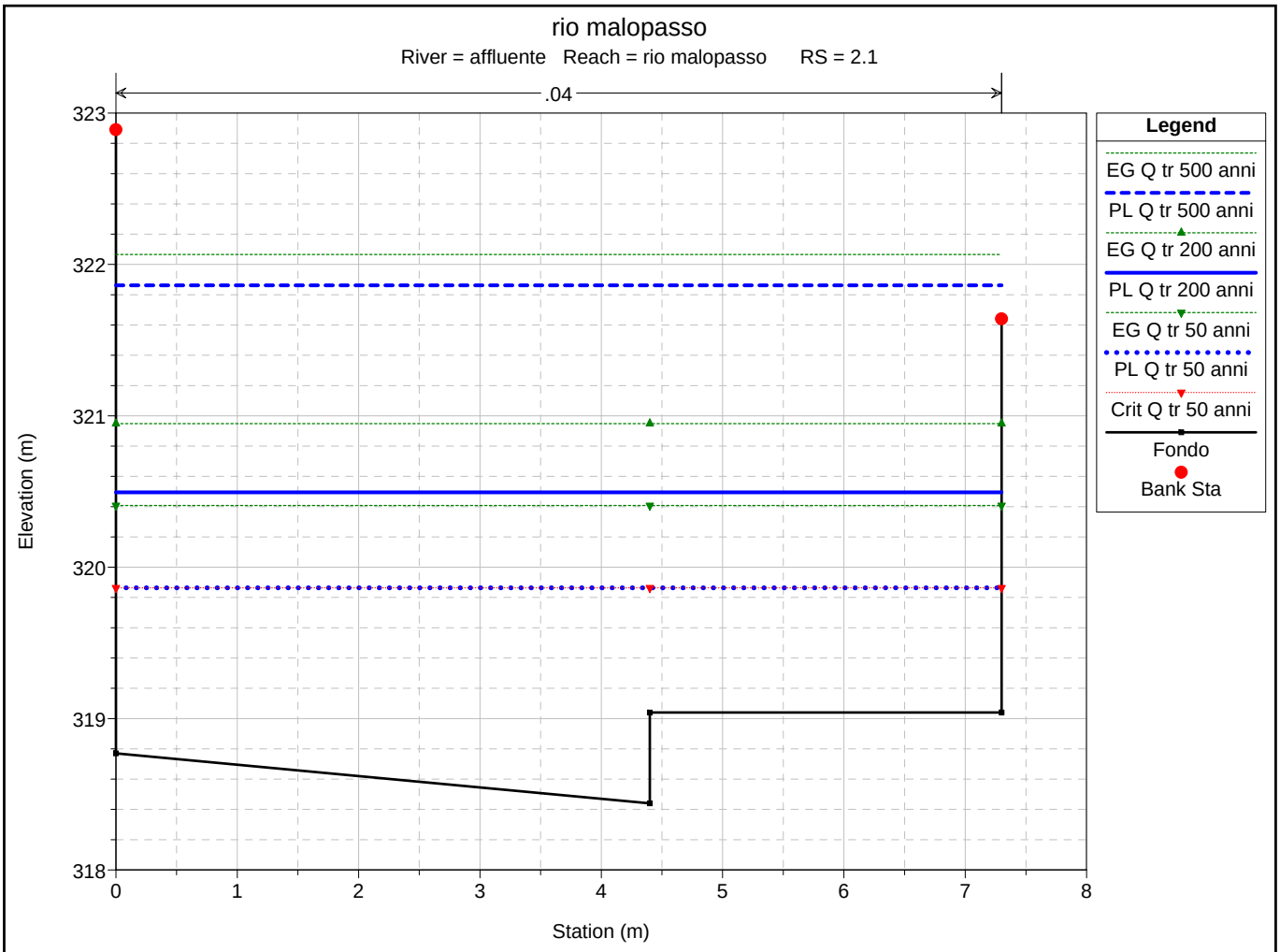

rio malopasso
River = affluente Reach = rio malopasso RS = 5.1 BR
.04
Elevation (m)
325
324
323
322
321
320
319
0
1
2
3
4
Station (m)
Legend
EG Q tr 500 anni
EG Q tr 200 anni
PL Q tr 500 anni
PL Q tr 200 anni
EG Q tr 50 anni
PL Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
Crit Q tr 50 anni
Fondo
Bank Sta

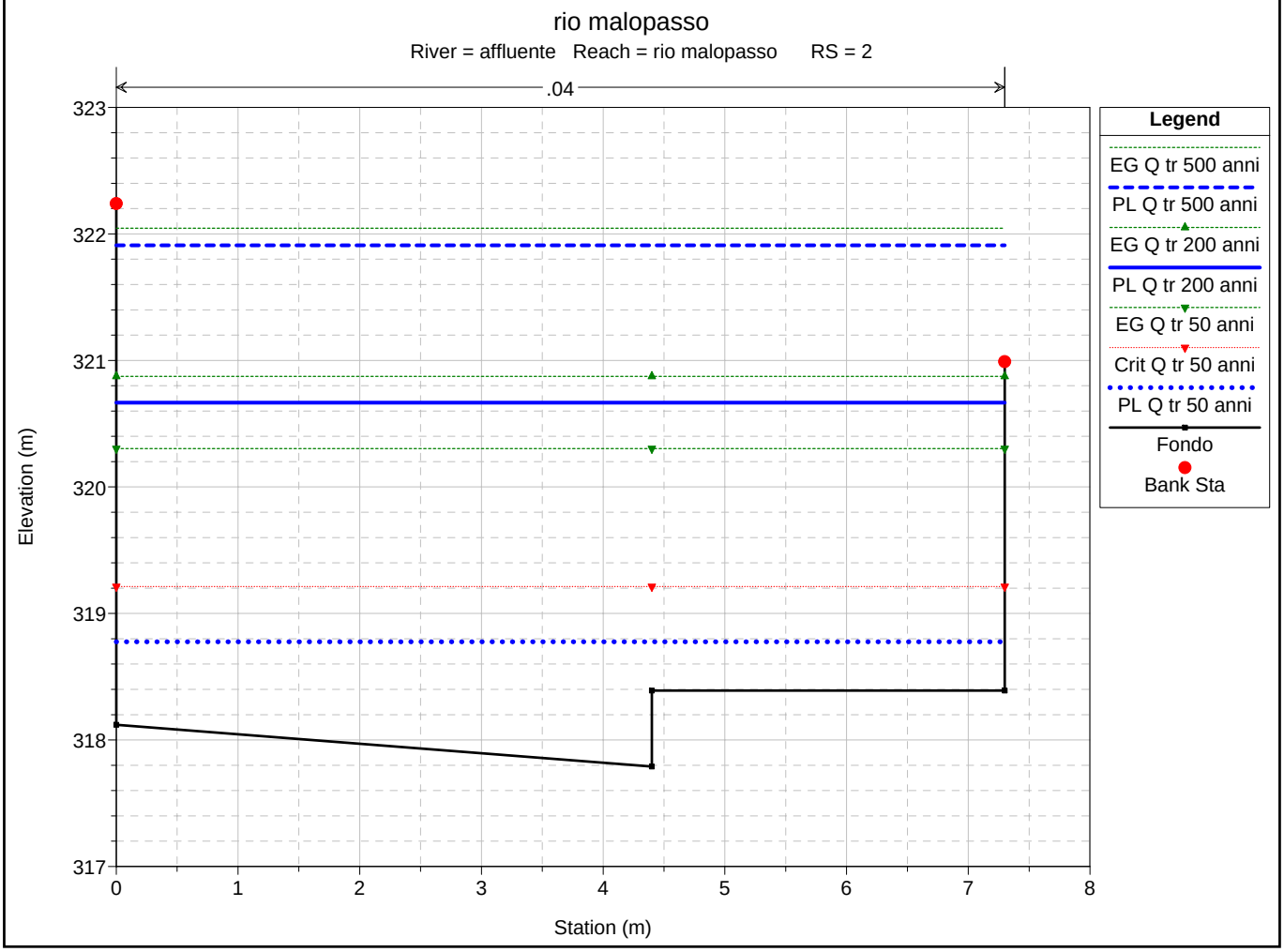

rio malopasso
River = affluente Reach = rio malopasso RS = 5
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
EG Q tr 200 anni
EG Q tr 50 anni
PL Q tr 500 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
PL Q tr 200 anni
PL Q tr 50 anni
Crit Q tr 50 anni
Fondo
Bank Sta

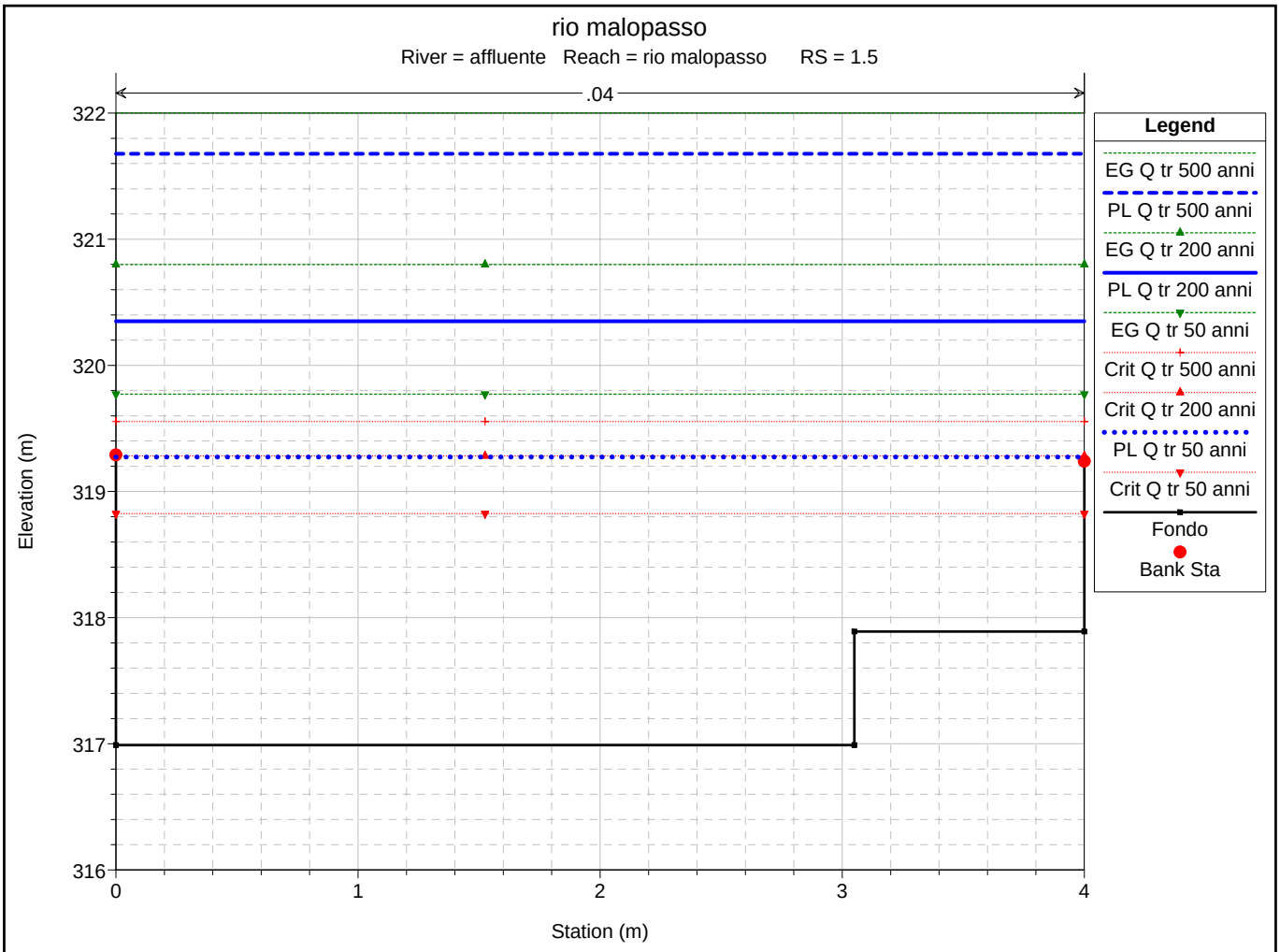

rio malopasso
River = affluente Reach = rio malopasso RS = 4.1
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
EG Q tr 200 anni
EG Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
Crit Q tr 50 anni
PL Q tr 500 anni
PL Q tr 200 anni
PL Q tr 50 anni
Fondo
Bank Sta

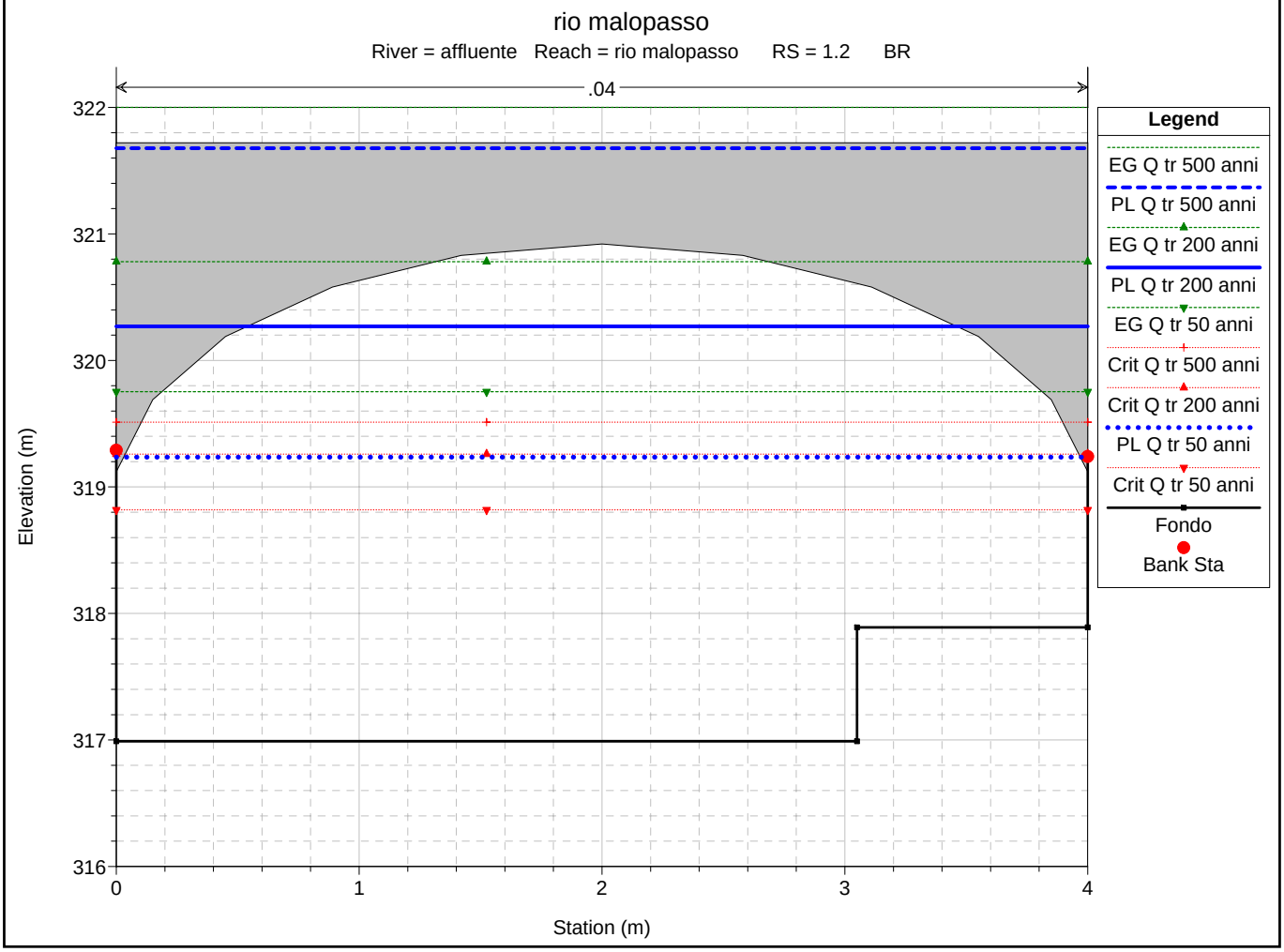

rio malopasso
River = affluente Reach = rio malopasso RS = 4
.04
Elevation (m)
Station (m)
Legend
EG Q tr 200 anni
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
Crit Q tr 50 anni
PL Q tr 200 anni
PL Q tr 50 anni
Fondo
Bank Sta

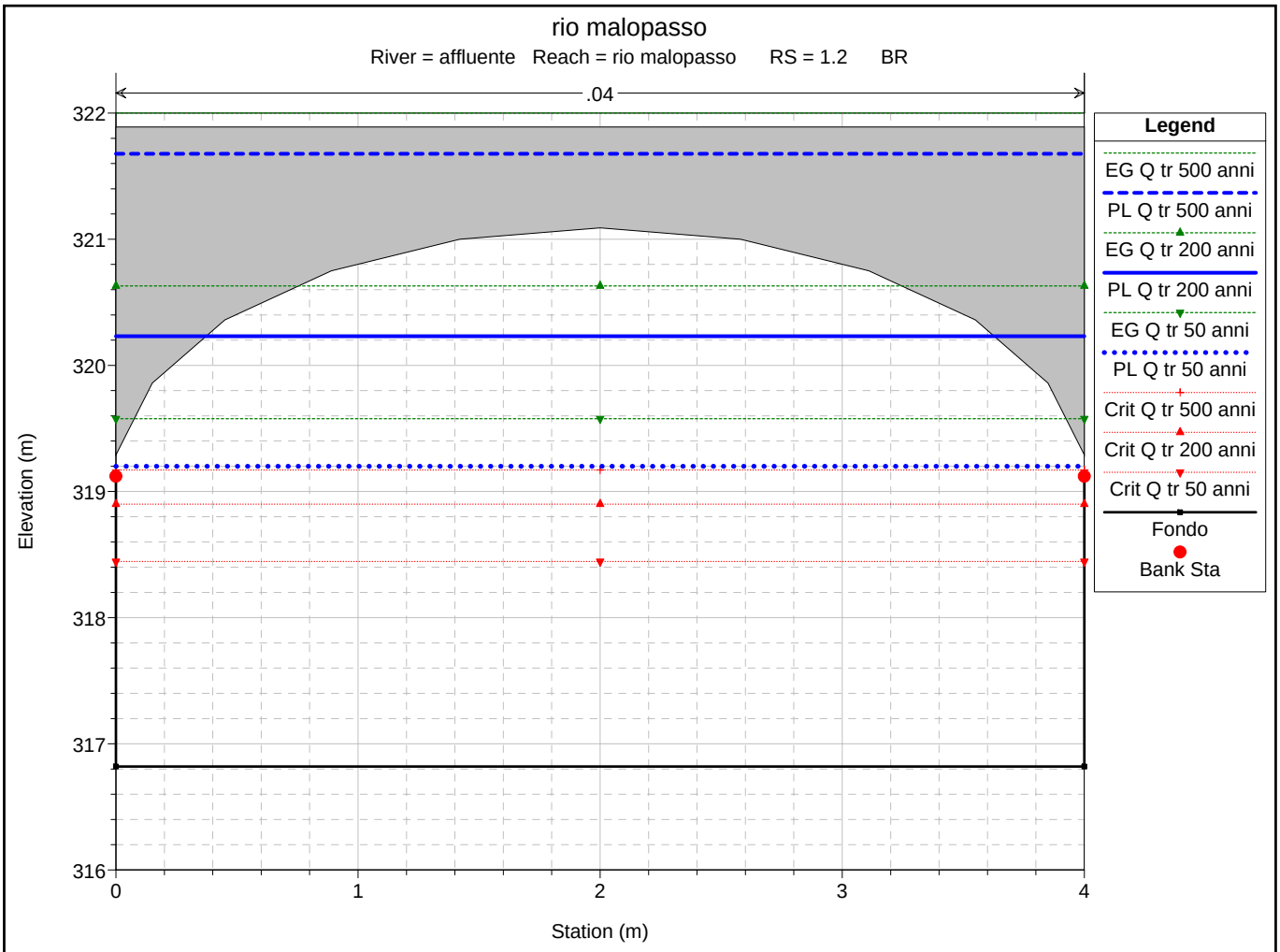

rio malopasso
River = affluente Reach = rio malopasso RS = 3
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
EG Q tr 50 anni
PL Q tr 200 anni
Crit Q tr 200 anni
PL Q tr 50 anni
Crit Q tr 50 anni
Fondo
Bank Sta

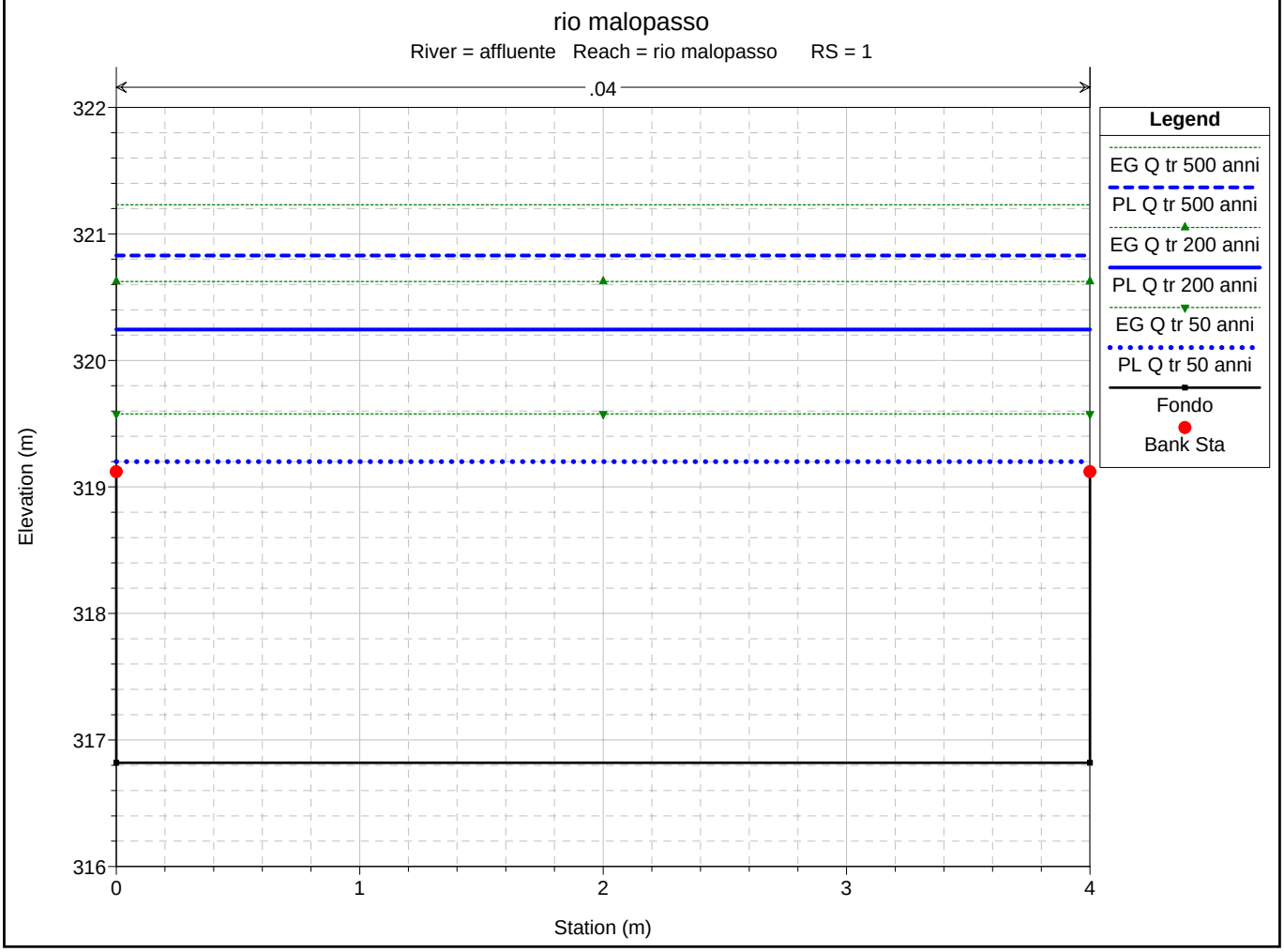

rio malopasso
River = affluente Reach = rio malopasso RS = 2.1
.04
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
PL Q tr 50 anni
Crit Q tr 50 anni
Fondo
Bank Sta
Elevation (m)
Station (m)
323
322
321
320
319
318
0
1
2
3
4
5
6
7
8

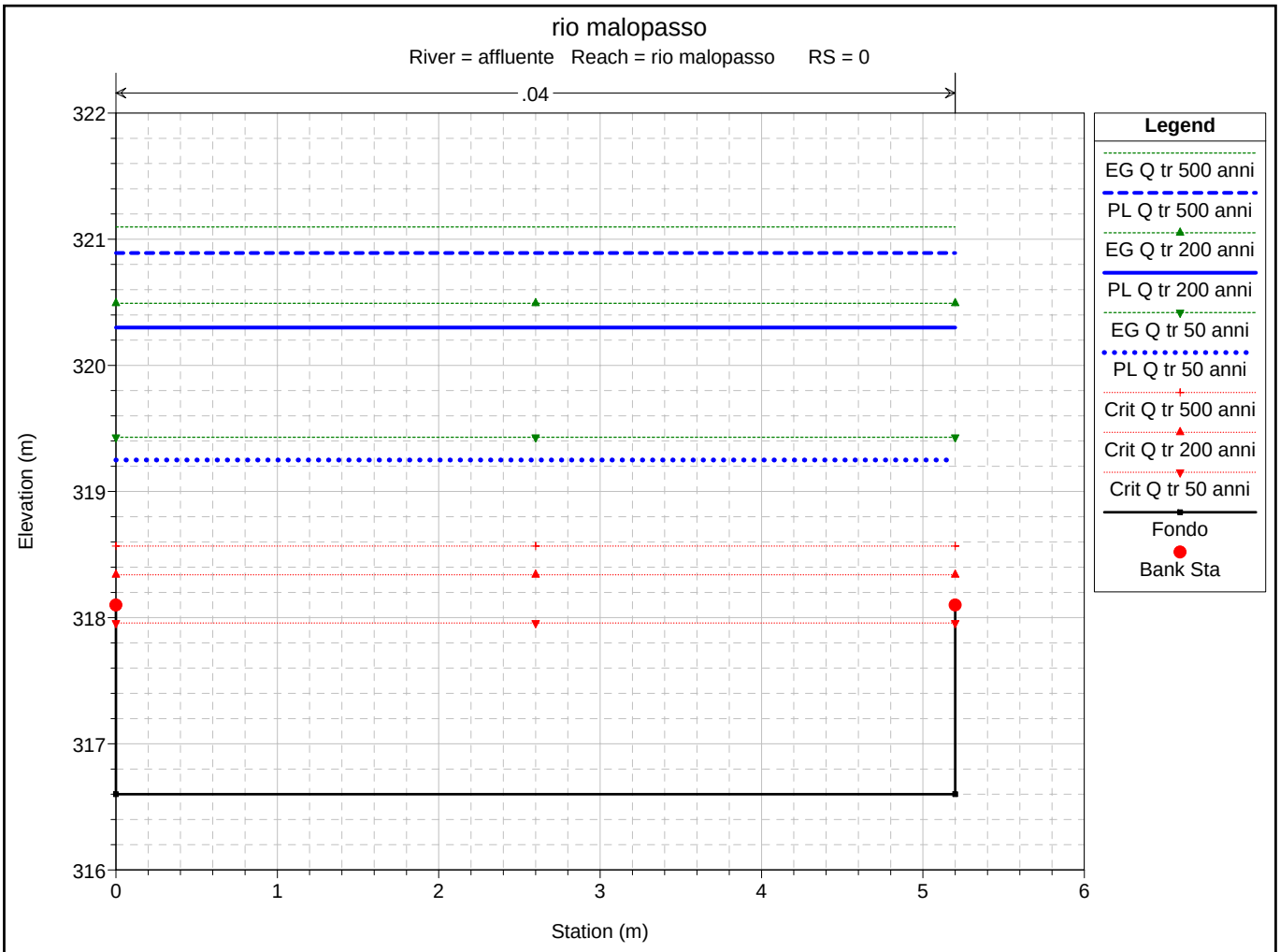

rio malopasso
River = affluente Reach = rio malopasso RS = 2
.04
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
Crit Q tr 50 anni
PL Q tr 50 anni
Fondo
Bank Sta
Elevation (m)
Station (m)
323
322
321
320
319
318
317
0
1
2
3
4
5
6
7
8


rio malopasso
River = affluente Reach = rio malopasso RS = 1.5
.04
Elevation (m)
Station (m)
322
321
320
319
318
317
316
0
1
2
3
4
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
PL Q tr 50 anni
Crit Q tr 50 anni
Fondo
Bank Sta


rio malopasso
River = affluente Reach = rio malopasso RS = 1.2 BR
.04
Elevation (m)
Station (m)
322
321
320
319
318
317
316
0
1
2
3
4
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
PL Q tr 50 anni
Crit Q tr 50 anni
Fondo
Bank Sta


rio malopasso
River = affluente Reach = rio malopasso RS = 1.2 BR
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
PL Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
Crit Q tr 50 anni
Fondo
Bank Sta


rio malopasso
River = affluente Reach = rio malopasso RS = 1
.04
Elevation (m)
Station (m)
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
PL Q tr 50 anni
Fondo
Bank Sta


rio malopasso
River = affluente Reach = rio malopasso RS = 0
.04
Elevation (m)
322
321
320
319
318
317
316
0
1
2
3
4
5
6
Station (m)
Legend
EG Q tr 500 anni
PL Q tr 500 anni
EG Q tr 200 anni
PL Q tr 200 anni
EG Q tr 50 anni
PL Q tr 50 anni
Crit Q tr 500 anni
Crit Q tr 200 anni
Crit Q tr 50 anni
Fondo
Bank Sta

HEC-RAS Plan: Malopasso River: affluente Reach: rio malopasso

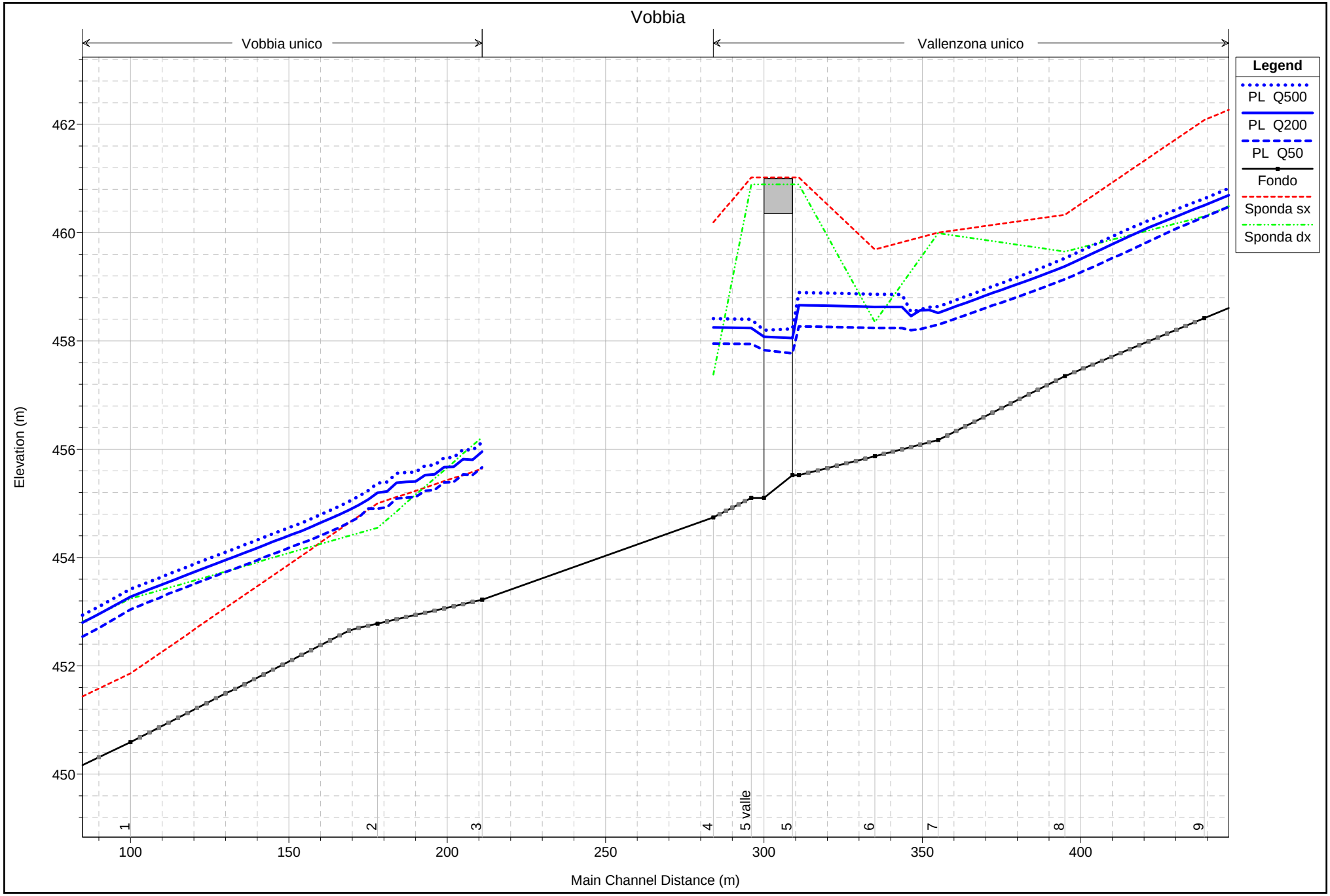
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
rio malopasso	10	Q tr 500 anni	45.00	323.40	325.46	324.56	-0.90	324.09	-1.37	325.34	325.93	0.010056	3.37	15.86	12.13	0.80
rio malopasso	10	Q tr 200 anni	37.40	323.40	325.20	324.56	-0.64	324.09	-1.11	325.20	325.71	0.013302	3.49	12.70	12.04	0.90
rio malopasso	10	Q tr 50 anni	25.90	323.40	324.97	324.56	-0.41	324.09	-0.88	324.97	325.38	0.012694	3.06	9.94	11.96	0.86
rio malopasso	9	Q tr 500 anni	45.00	322.88	325.40	323.80	-1.60	323.65	-1.75		325.74	0.004820	2.78	17.97	8.76	0.59
rio malopasso	9	Q tr 200 anni	37.40	322.88	324.99	323.80	-1.19	323.65	-1.34	324.61	325.36	0.006714	2.87	14.36	8.76	0.67
rio malopasso	9	Q tr 50 anni	25.90	322.88	324.14	323.80	-0.34	323.65	-0.49	324.33	324.92	0.031055	4.09	6.93	8.75	1.31
rio malopasso	8	Q tr 500 anni	45.00	322.04	325.40	322.71	-2.69	322.49	-2.91		325.59	0.001558	2.08	24.78	8.12	0.37
rio malopasso	8	Q tr 200 anni	37.40	322.04	325.00	322.71	-2.29	322.49	-2.51		325.18	0.001667	1.97	21.54	8.12	0.38
rio malopasso	8	Q tr 50 anni	25.90	322.04	324.35	322.71	-1.64	322.49	-1.86	323.39	324.49	0.001956	1.79	16.20	8.12	0.39
rio malopasso	7	Q tr 500 anni	45.00	321.76	324.27	323.13	-1.14	322.19	-2.08	324.27	325.44	0.030897	4.79	9.39	4.00	1.00
rio malopasso	7	Q tr 200 anni	37.40	321.76	324.00	323.13	-0.87	322.19	-1.81	324.00	325.03	0.029306	4.50	8.31	4.00	1.00
rio malopasso	7	Q tr 50 anni	25.90	321.76	323.54	323.13	-0.41	322.19	-1.35	323.54	324.36	0.027117	3.99	6.49	4.00	1.00
rio malopasso	6	Q tr 500 anni	45.00	319.78	324.23	322.19	-2.04	323.18	-1.05	322.27	324.44	0.003179	2.03	22.22	5.90	0.33
rio malopasso	6	Q tr 200 anni	37.40	319.78	323.70	322.19	-1.51	323.18	-0.52	322.05	323.90	0.003239	1.96	19.11	5.90	0.35
rio malopasso	6	Q tr 50 anni	25.90	319.78	322.76	322.19	-0.57	323.18	0.42	321.69	322.95	0.003863	1.91	13.57	5.90	0.40
rio malopasso	5.2	Q tr 500 anni	45.00	319.54	323.97	321.54	-2.43	321.39	-2.58	322.32	324.39	0.010095	2.88	15.61	3.85	0.46
rio malopasso	5.2	Q tr 200 anni	37.40	319.54	323.47	321.54	-1.93	321.39	-2.08	322.03	323.85	0.009647	2.73	13.71	3.85	0.46
rio malopasso	5.2	Q tr 50 anni	25.90	319.54	322.58	321.54	-1.04	321.39	-1.19	321.58	322.90	0.009701	2.52	10.28	3.85	0.49
rio malopasso	5.1		Bridge													
rio malopasso	5	Q tr 500 anni	45.00	319.54	322.32	321.54	-0.78	321.39	-0.93	322.32	323.52	0.038361	4.85	9.28	3.85	1.00
rio malopasso	5	Q tr 200 anni	37.40	319.54	322.03	321.54	-0.49	321.39	-0.64	322.03	323.10	0.037099	4.57	8.18	3.85	1.00
rio malopasso	5	Q tr 50 anni	25.90	319.54	321.58	321.54	-0.04	321.39	-0.19	321.58	322.41	0.034455	4.03	6.42	3.85	1.00
rio malopasso	4.1	Q tr 500 anni	45.00	319.20	320.61	321.81	1.20	321.58	0.97	321.23	322.72	0.090029	6.44	6.98	5.95	1.90
rio malopasso	4.1	Q tr 200 anni	37.40	319.20	320.48	321.81	1.33	321.58	1.10	321.03	322.34	0.089129	6.04	6.19	5.95	1.89
rio malopasso	4.1	Q tr 50 anni	25.90	319.20	320.25	321.81	1.56	321.58	1.33	320.68	321.69	0.088317	5.31	4.87	5.95	1.87
rio malopasso	4	Q tr 500 anni	45.00	317.94	321.92	321.81	-0.11	321.58	-0.34	320.34	322.18	0.004924	2.24	20.08	5.95	0.39
rio malopasso	4	Q tr 200 anni	37.40	317.94	319.08	321.81	2.73	321.58	2.50	320.14	322.20	0.146548	7.82	4.78	4.20	2.34
rio malopasso	4	Q tr 50 anni	25.90	317.94	318.78	321.81	3.03	321.58	2.80	319.51	321.55	0.172255	7.37	3.52	4.20	2.57
rio malopasso	3	Q tr 500 anni	45.00	317.93	321.83	321.75	-0.08	321.55	-0.28		322.14	0.005596	2.46	18.31	5.78	0.44
rio malopasso	3	Q tr 200 anni	37.40	317.93	320.52	321.75	1.23	321.55	1.03	320.16	321.11	0.015173	3.40	11.00	5.39	0.76
rio malopasso	3	Q tr 50 anni	25.90	317.93	320.15	321.75	1.60	321.55	1.40	319.77	320.57	0.012680	2.88	9.00	5.28	0.70
rio malopasso	2.1	Q tr 500 anni	45.00	318.44	321.86	322.89	1.03	321.64	-0.22		322.07	0.003336	2.00	22.52	7.30	0.36
rio malopasso	2.1	Q tr 200 anni	37.40	318.44	320.49	322.89	2.39	321.64	1.14		320.95	0.012100	2.98	12.54	7.30	0.73
rio malopasso	2.1	Q tr 50 anni	25.90	318.44	319.86	322.89	3.03	321.64	1.78	319.86	320.41	0.022727	3.27	7.93	7.30	1.00
rio malopasso	2	Q tr 500 anni	45.00	317.79	321.91	322.24	0.33	320.99	-0.92		322.04	0.001922	1.63	27.61	7.30	0.27
rio malopasso	2	Q tr 200 anni	37.40	317.79	320.67	322.24	1.57	320.99	0.32		320.87	0.003952	2.02	18.53	7.30	0.40
rio malopasso	2	Q tr 50 anni	25.90	317.79	318.78	322.24	3.46	320.99	2.21	319.21	320.30	0.112260	5.47	4.73	7.30	2.17
rio malopasso	1.5	Q tr 500 anni	45.00	316.99	321.68	319.29	-2.39	319.24	-2.44	319.55	322.00	0.006862	2.51	17.90	4.00	0.38
rio malopasso	1.5	Q tr 200 anni	37.40	316.99	320.35	319.29	-1.06	319.24	-1.11	319.28	320.80	0.011414	2.97	12.58	4.00	0.53

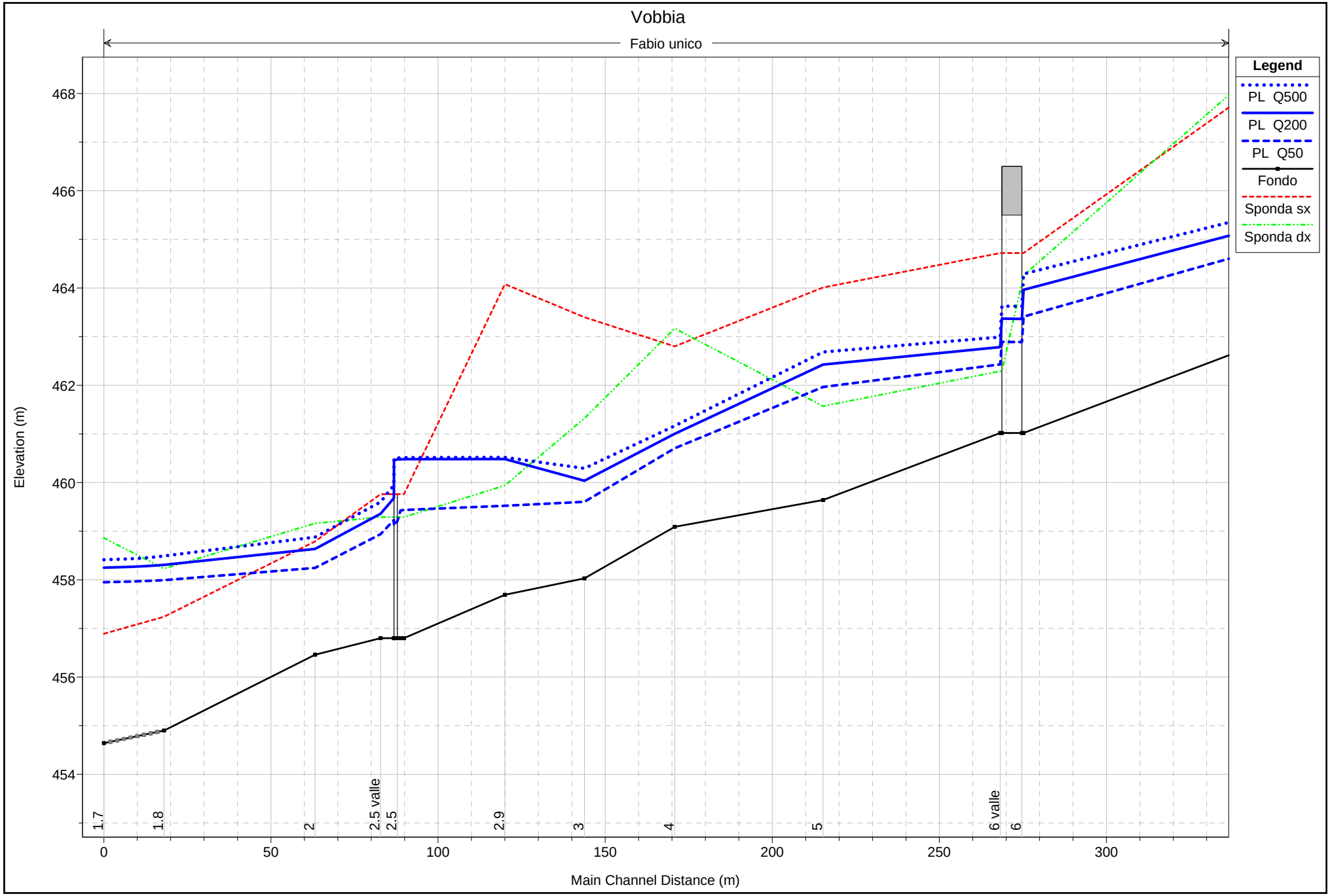
HEC-RAS Plan: Malopasso River: affluente Reach: rio malopasso (Continued)

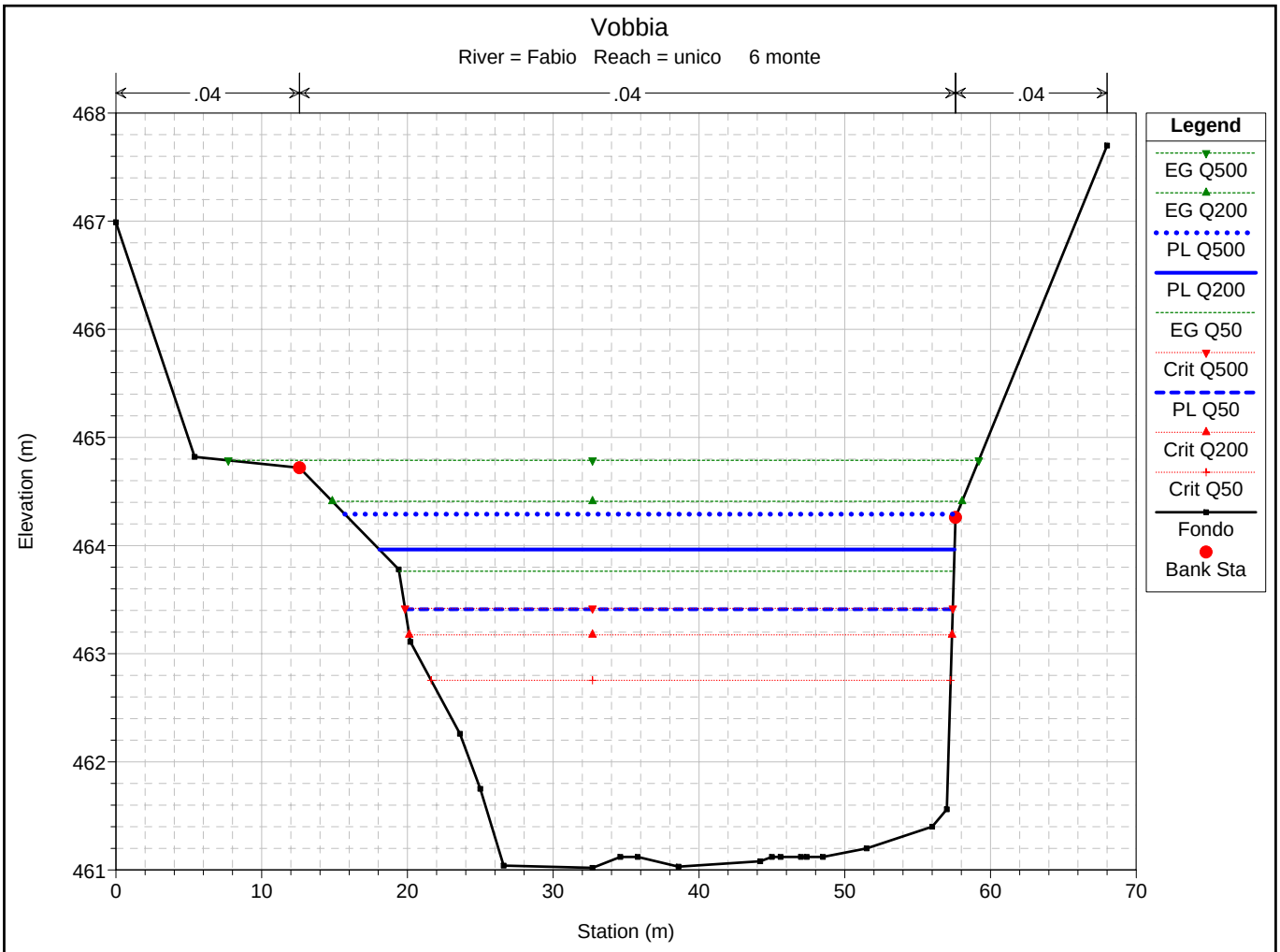
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
rio malopasso	1.5	Q tr 50 anni	25.90	316.99	319.27	319.29	0.02	319.24	-0.03	318.82	319.77	0.016387	3.13	8.28	4.00	0.69
rio malopasso	1.2		Bridge													
rio malopasso	1	Q tr 500 anni	45.00	316.82	320.83	319.12	-1.71	319.12	-1.71		321.23	0.008578	2.81	16.04	4.00	0.45
rio malopasso	1	Q tr 200 anni	37.40	316.82	320.24	319.12	-1.12	319.12	-1.12		320.62	0.008743	2.73	13.70	4.00	0.47
rio malopasso	1	Q tr 50 anni	25.90	316.82	319.20	319.12	-0.08	319.12	-0.08		319.58	0.010597	2.72	9.52	4.00	0.56
rio malopasso	0	Q tr 500 anni	45.00	316.60	320.89	318.10	-2.79	318.10	-2.79	318.57	321.10	0.003425	2.02	22.31	5.20	0.31
rio malopasso	0	Q tr 200 anni	37.40	316.60	320.30	318.10	-2.20	318.10	-2.20	318.34	320.49	0.003439	1.94	19.24	5.20	0.32
rio malopasso	0	Q tr 50 anni	25.90	316.60	319.25	318.10	-1.15	318.10	-1.15	317.96	319.43	0.003934	1.88	13.78	5.20	0.37

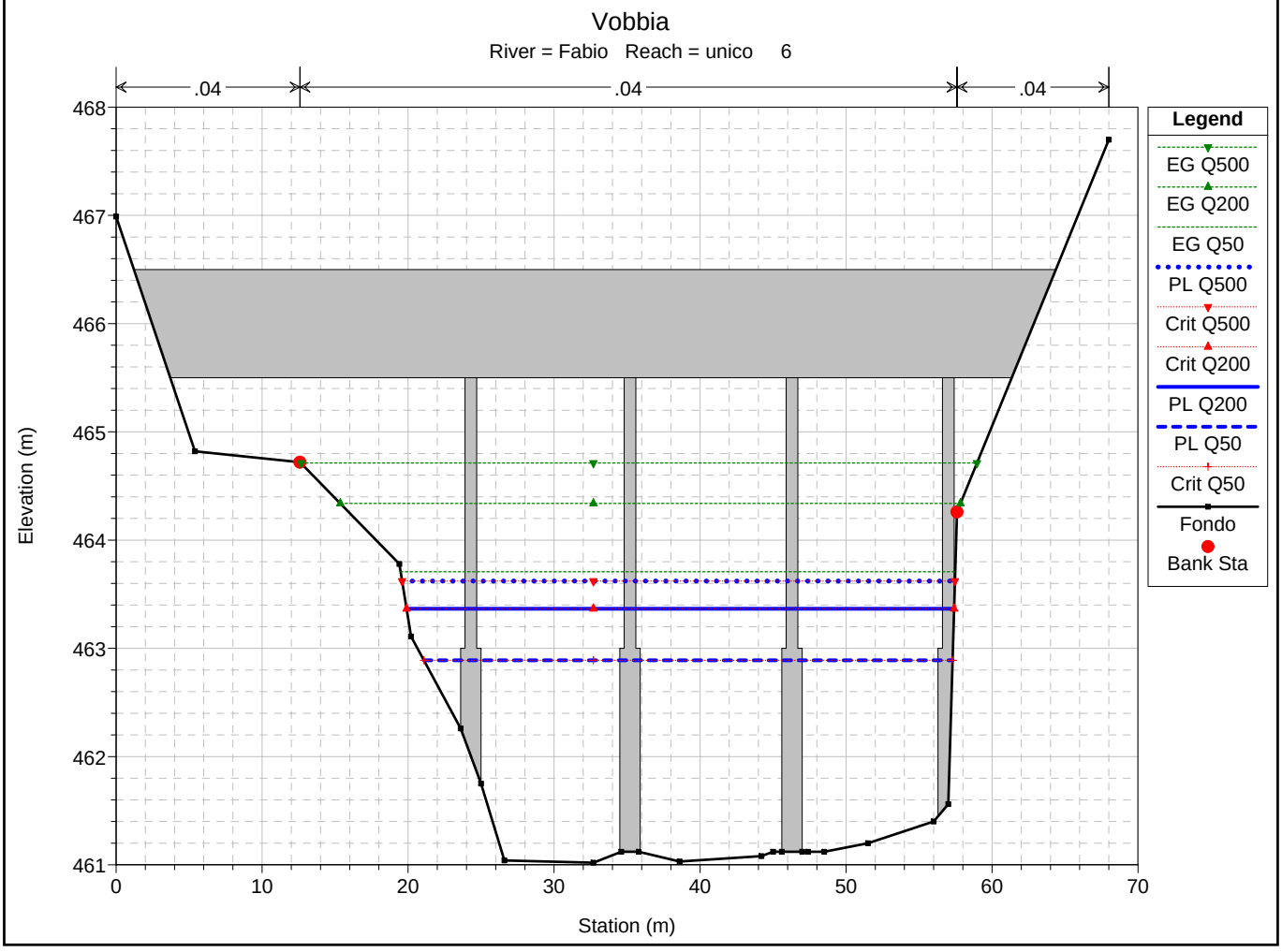
Torrente Vobbia (loc. Vobbia)

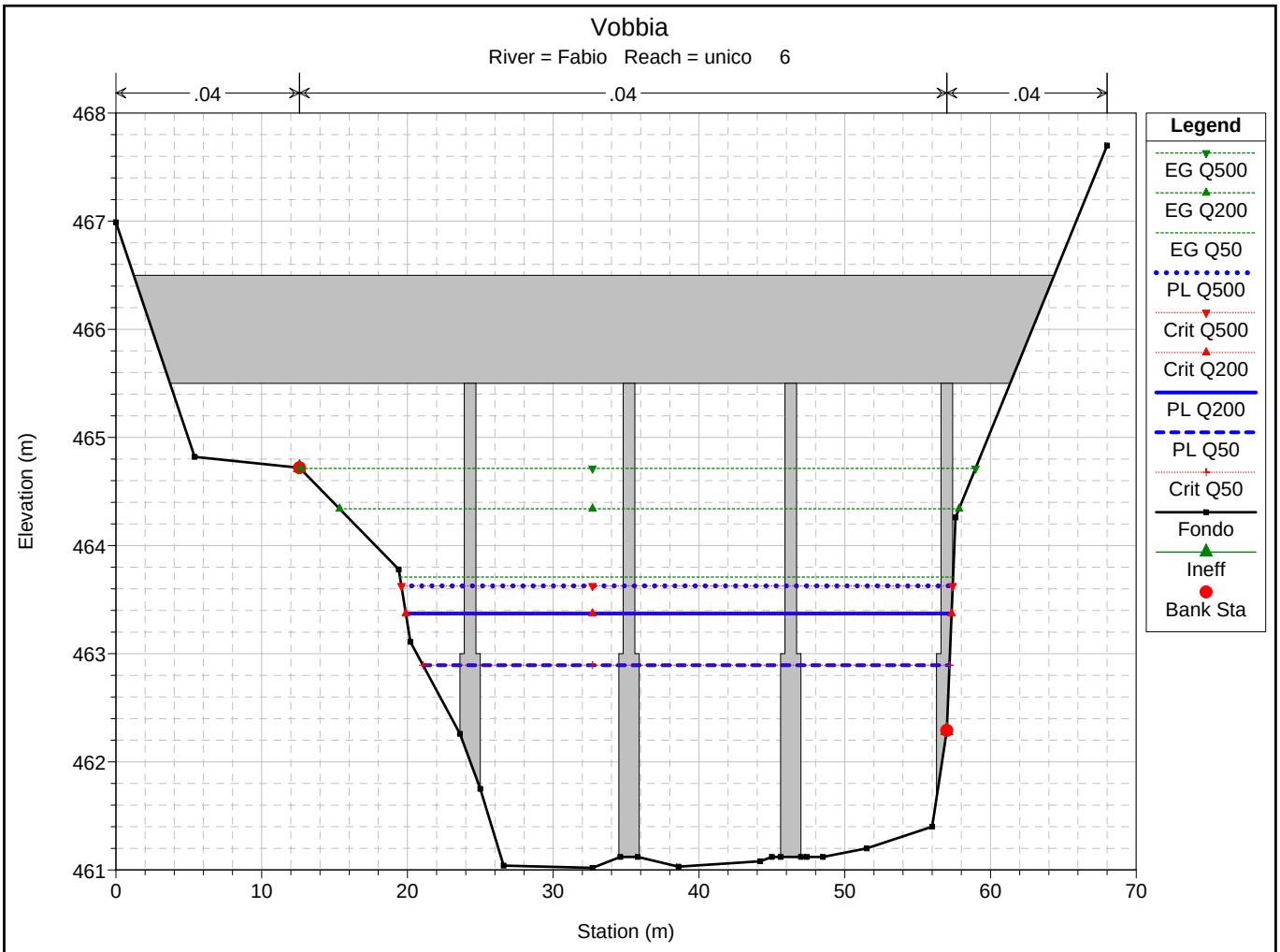
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

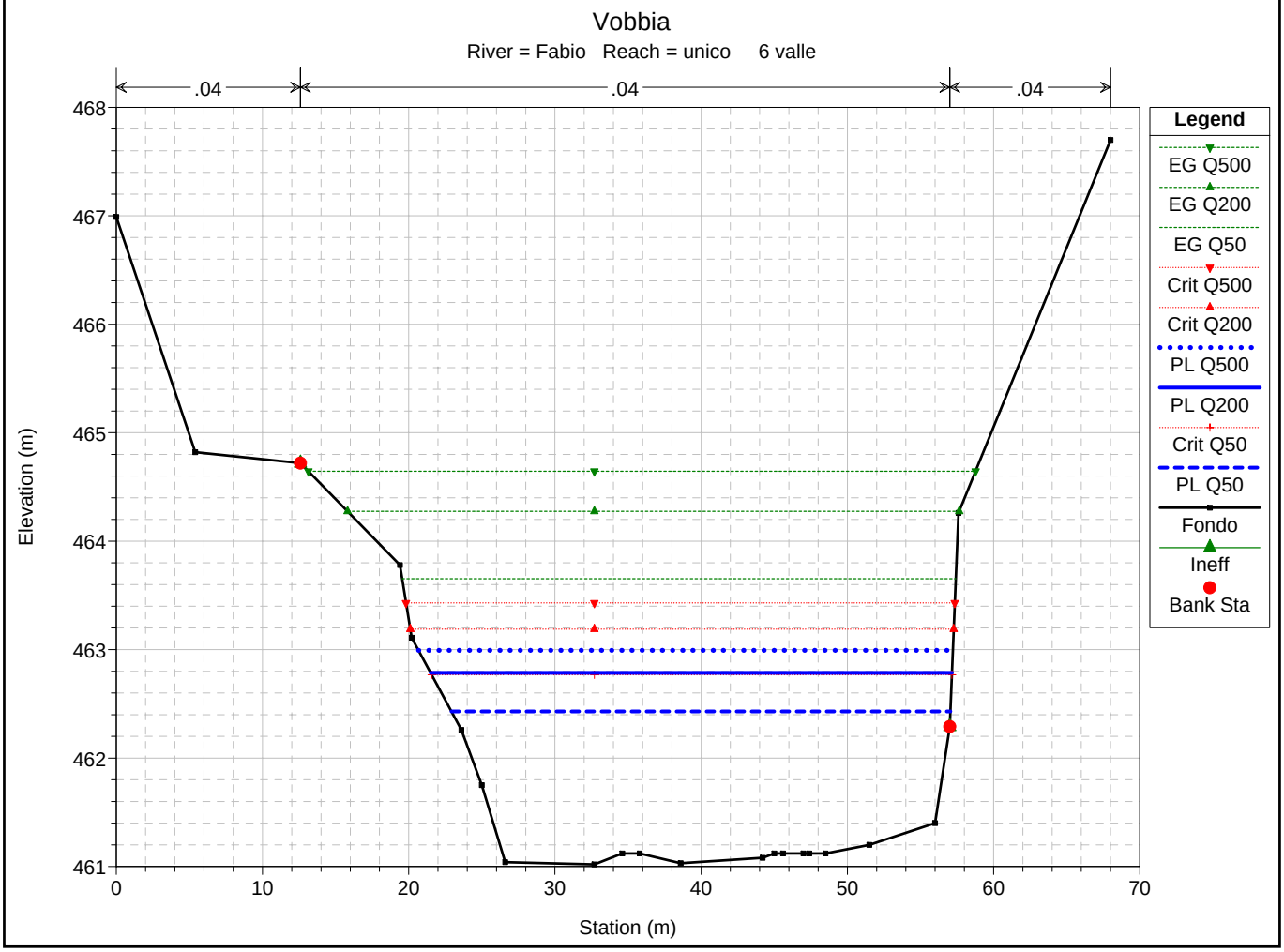

Vobbia
Vobbia unico
Vallenzona unico
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
462
460
458
456
454
452
450
100
150
200
250
300
350
400
Main Channel Distance (m)
1
2
3
4
5 valle
5
6
7
8
9

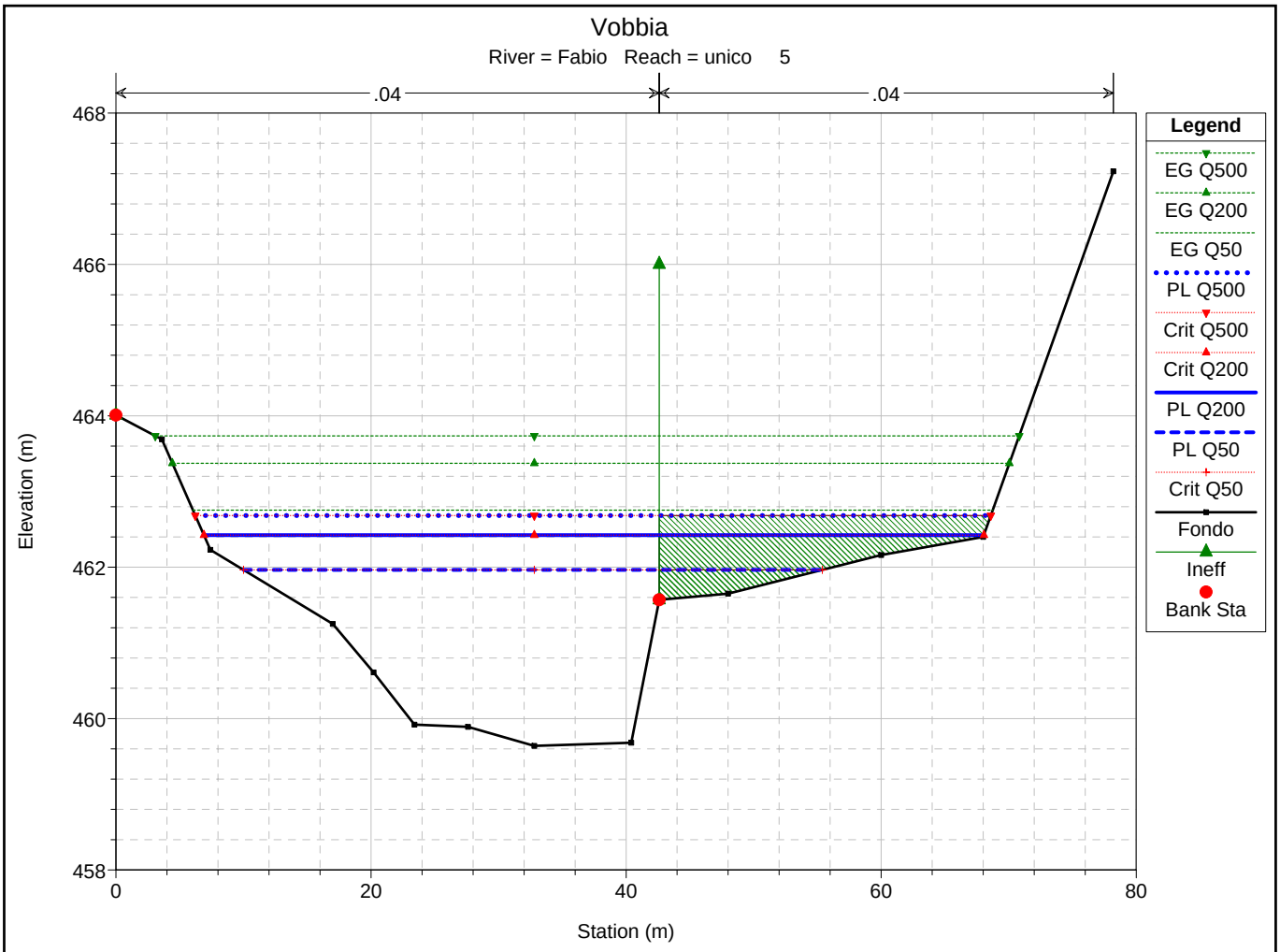

Vobbia
Fabio unico
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
468
466
464
462
460
458
456
454
0
50
100
150
200
250
300
Main Channel Distance (m)
1.7
1.8
2
2.5 valle
2.5
2.9
3
4
5
6 valle
6

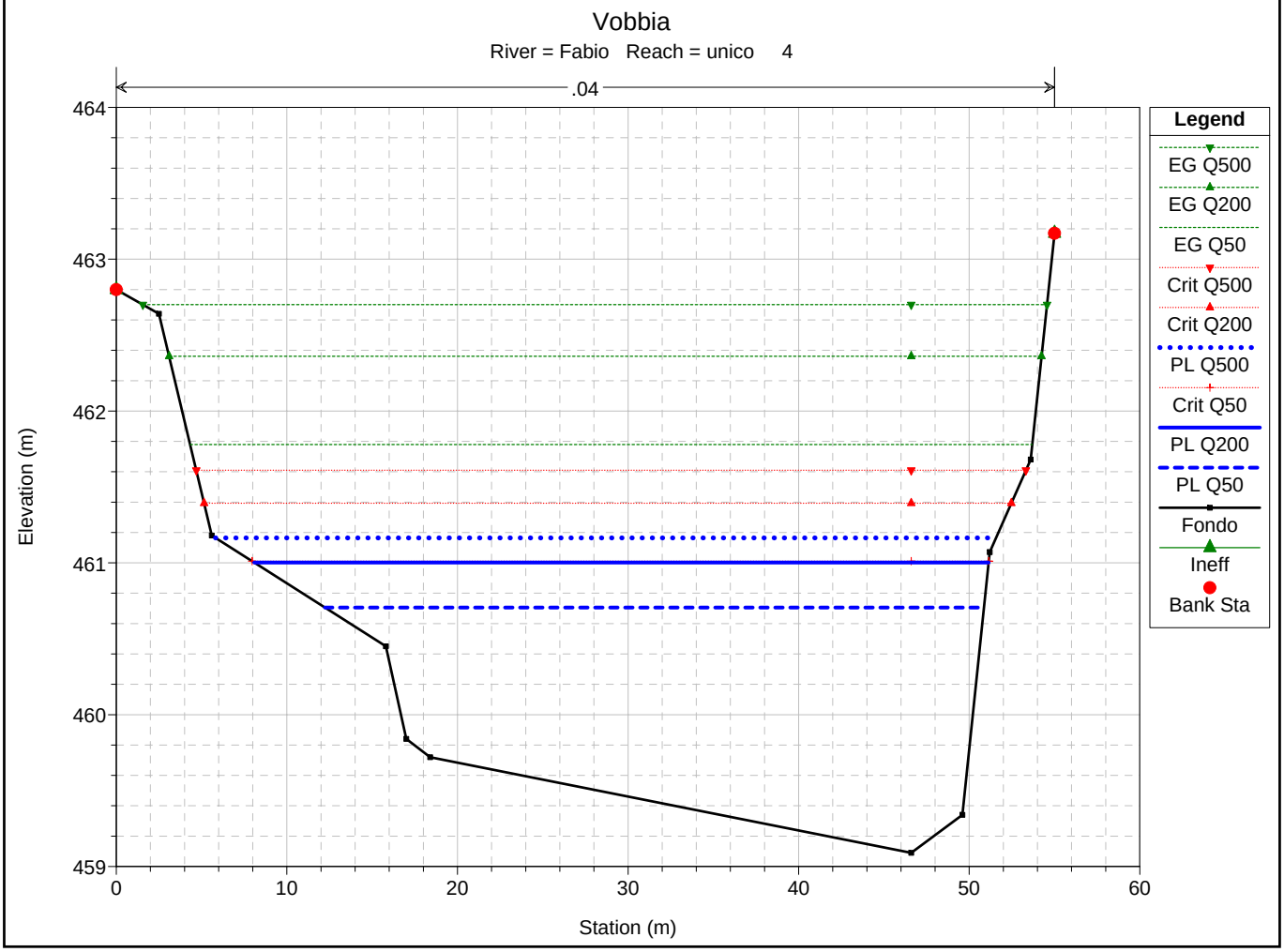

Vobbia
River = Fabio Reach = unico 6 monte
.04
.04
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
468
467
466
465
464
463
462
461
0
10
20
30
40
50
60
70

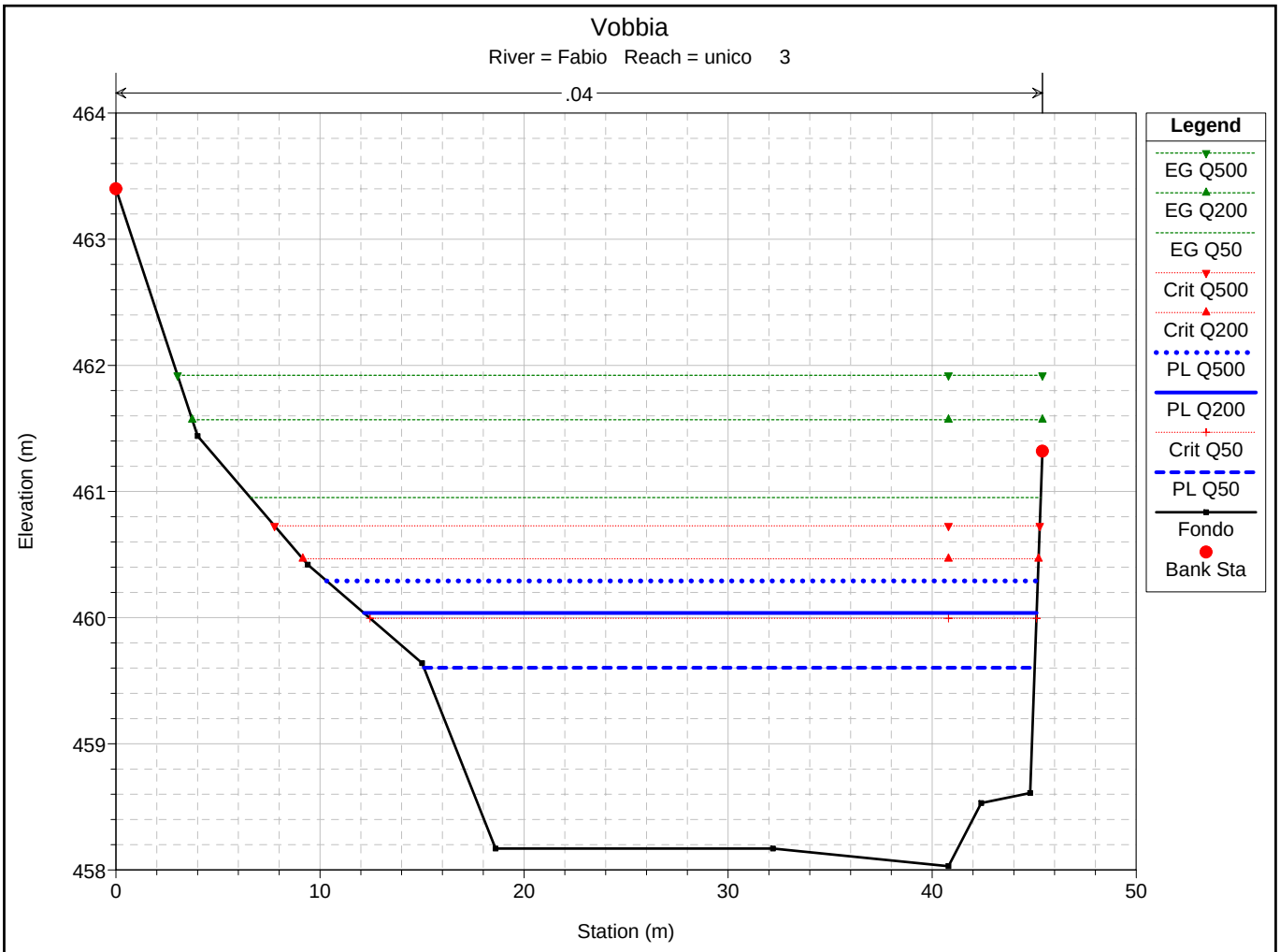

Vobbia
River = Fabio Reach = unico 6
.04
.04
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
468
467
466
465
464
463
462
461
0
10
20
30
40
50
60
70

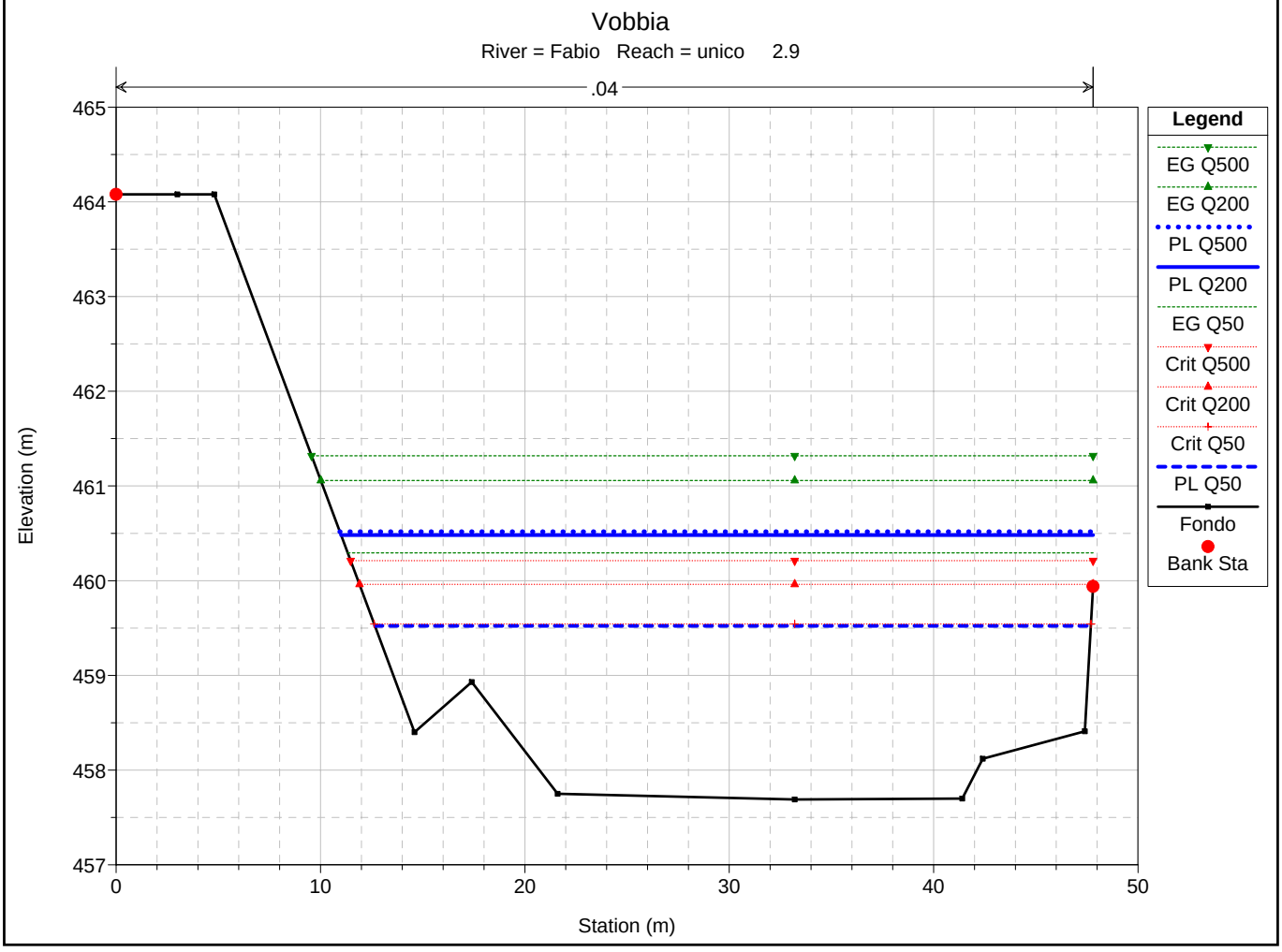

Vobbia
River = Fabio Reach = unico 6
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Ineff
Bank Sta

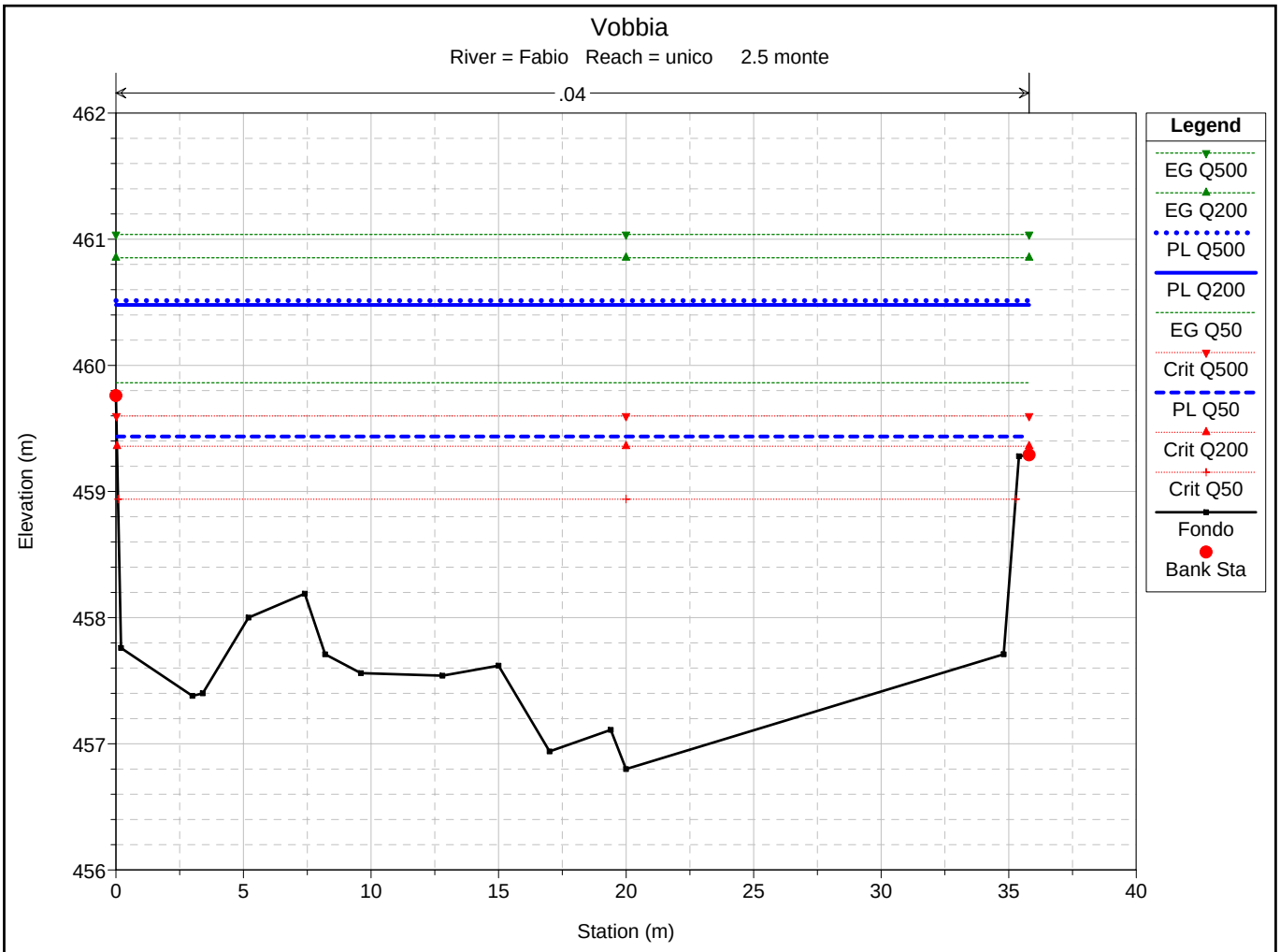

Vobbia
River = Fabio Reach = unico 6 valle
.04
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Ineff
Bank Sta

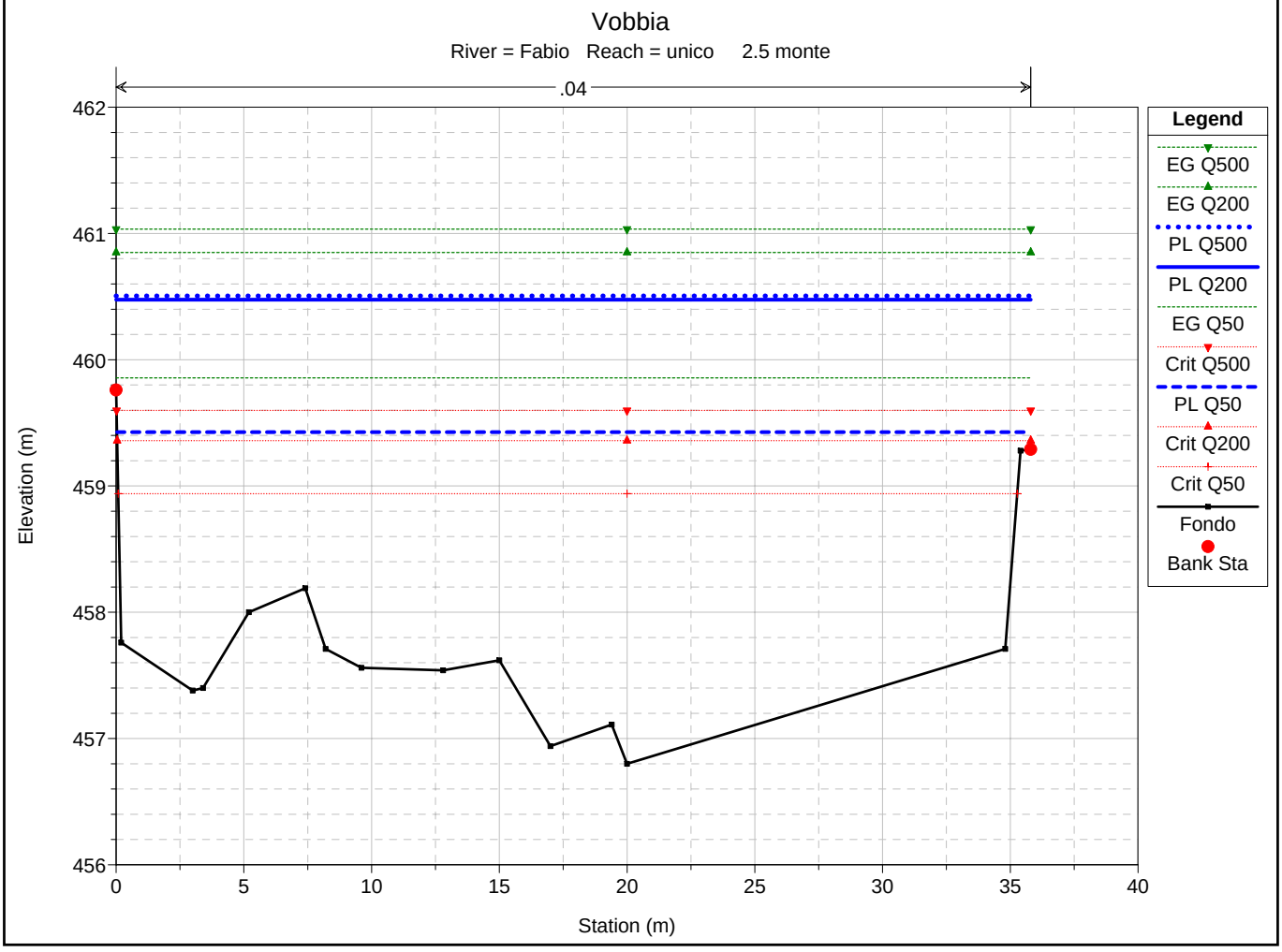

Vobbia
River = Fabio Reach = unico 5
.04
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Ineff
Bank Sta

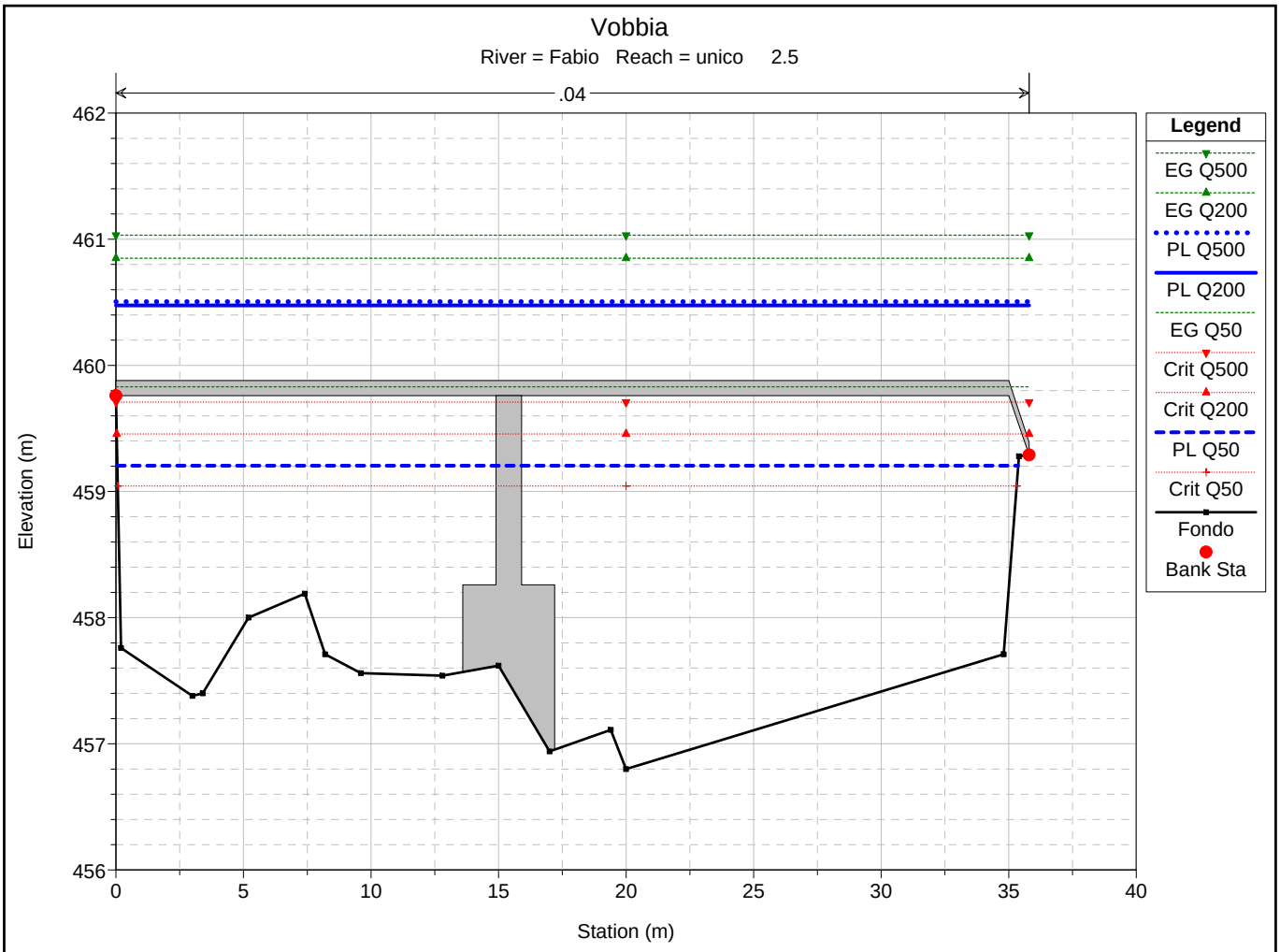

Vobbia
River = Fabio Reach = unico 4
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Ineff
Bank Sta

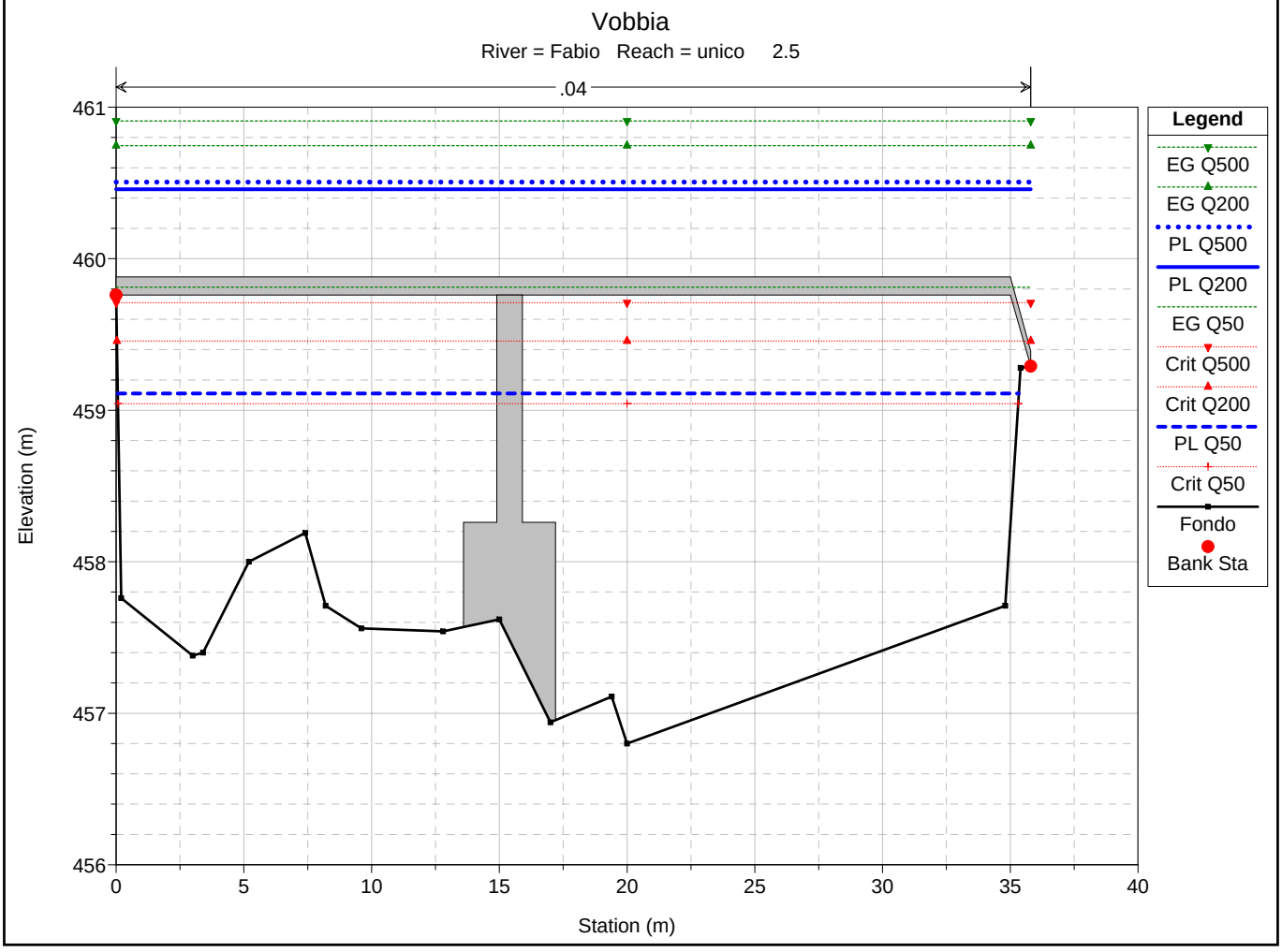

Vobbia
River = Fabio Reach = unico 3
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

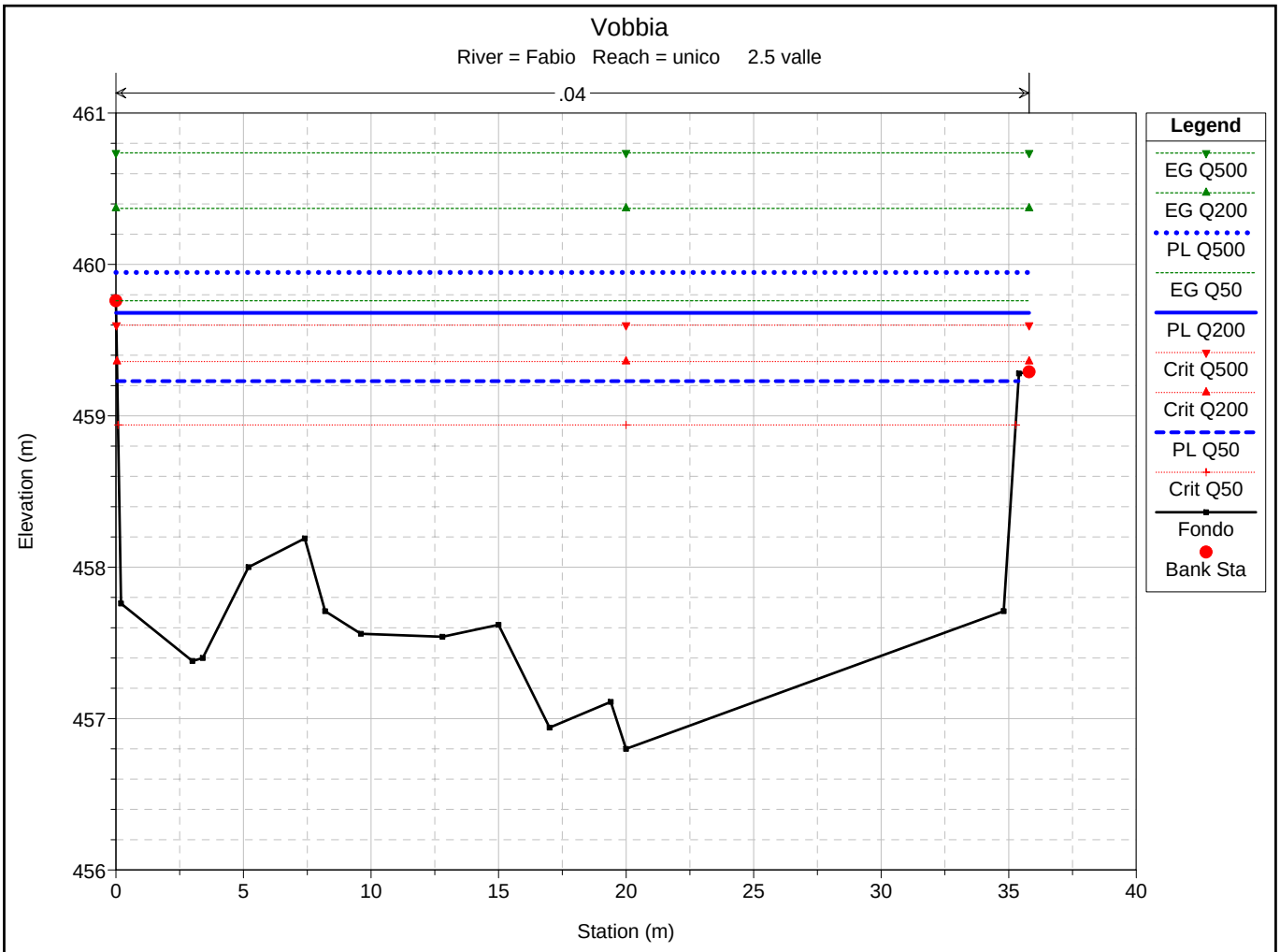

Vobbia
River = Fabio Reach = unico 2.9
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q50
Fondo
Bank Sta

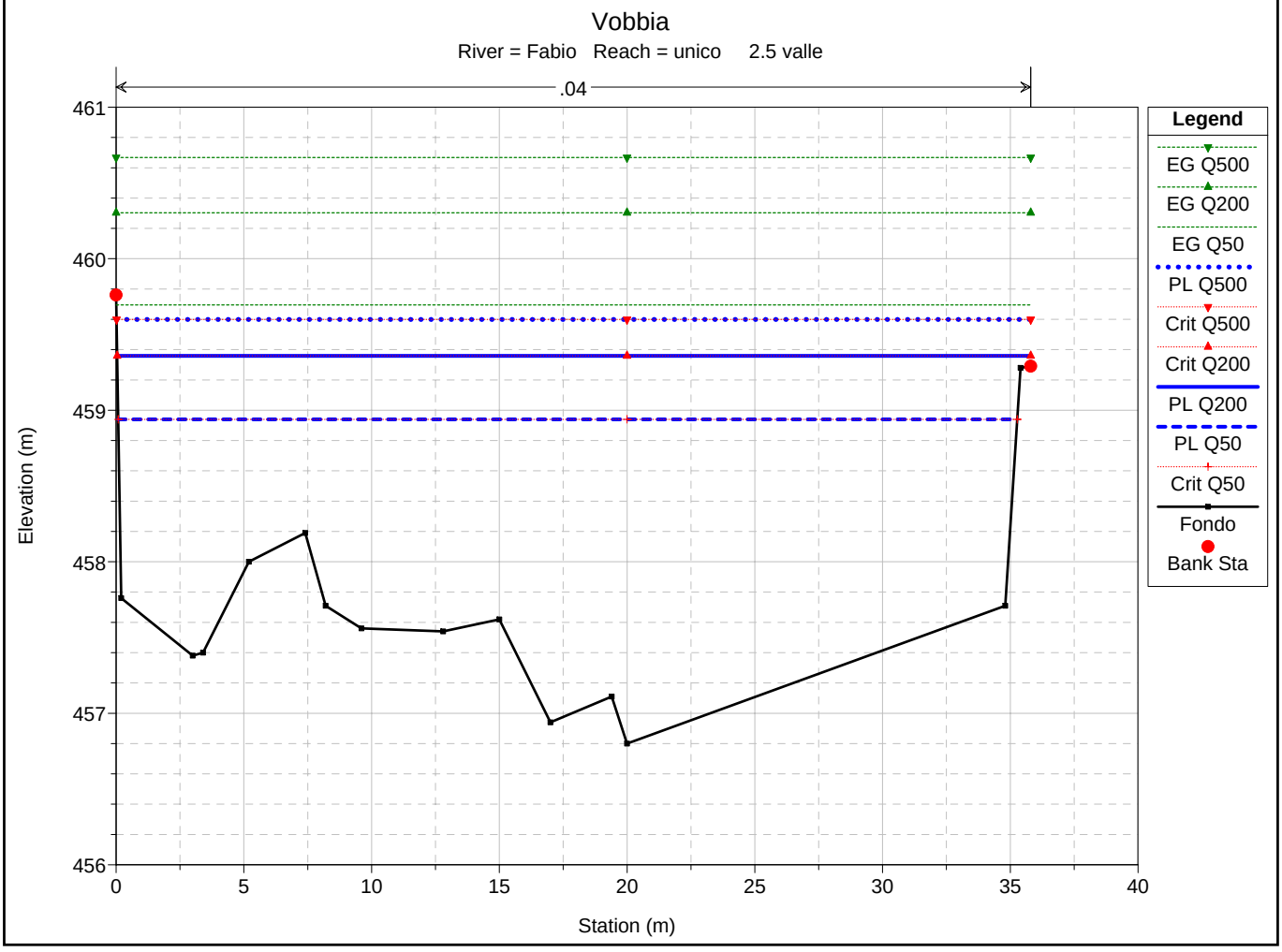

Vobbia
River = Fabio Reach = unico 2.5 monte
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

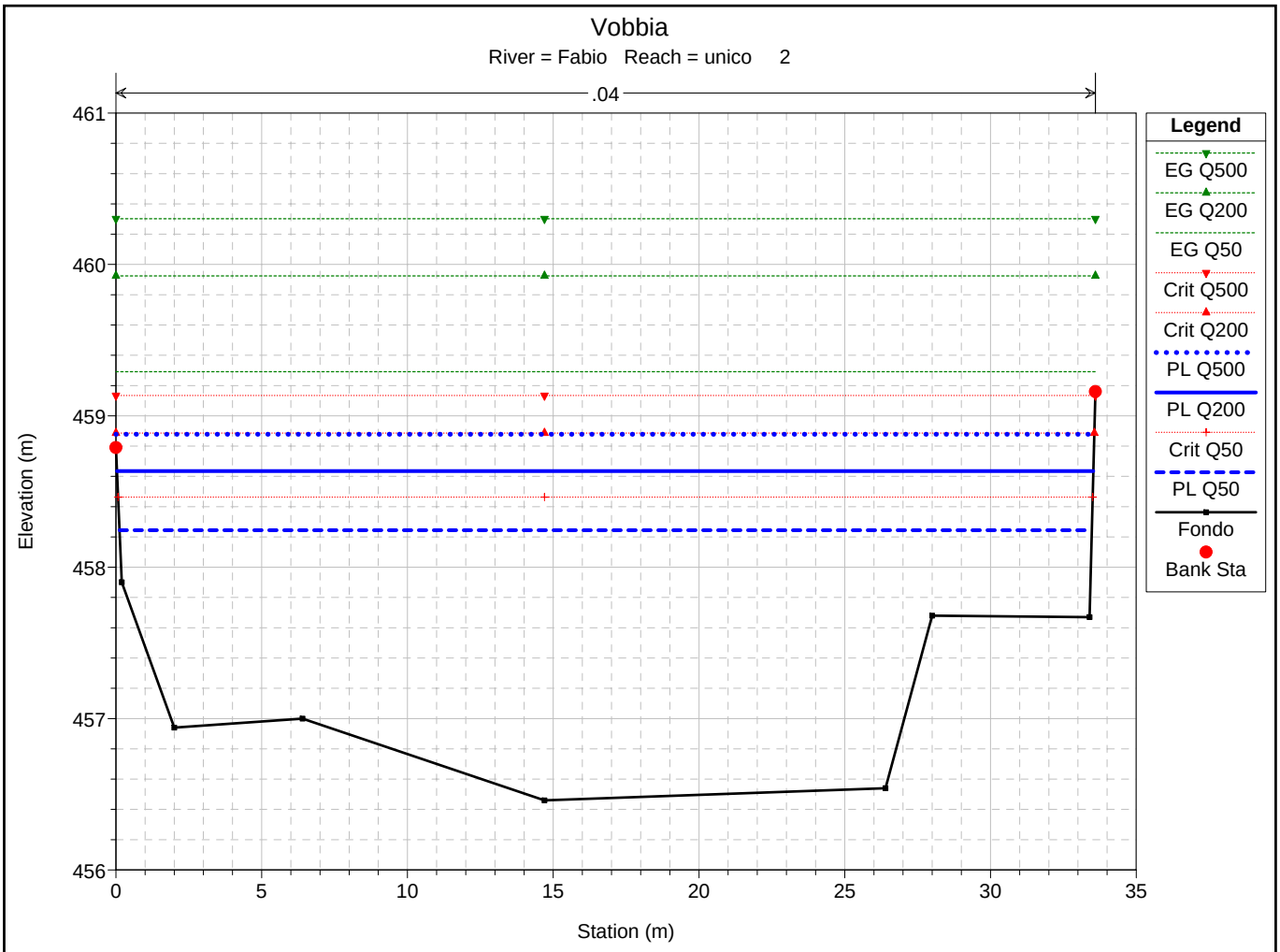

Vobbia
River = Fabio Reach = unico 2.5 monte
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta

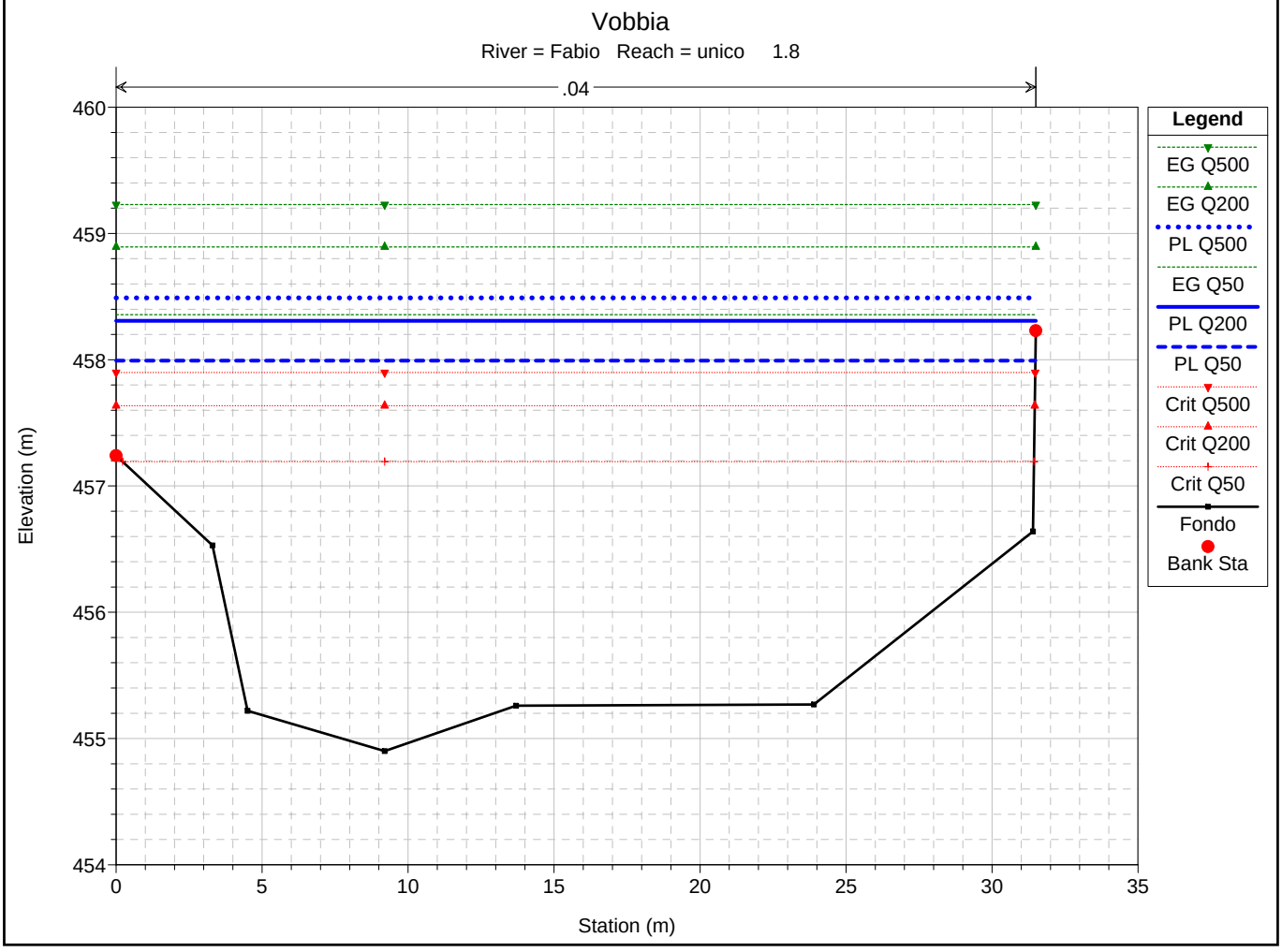

Vobbia
River = Fabio Reach = unico 2.5
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

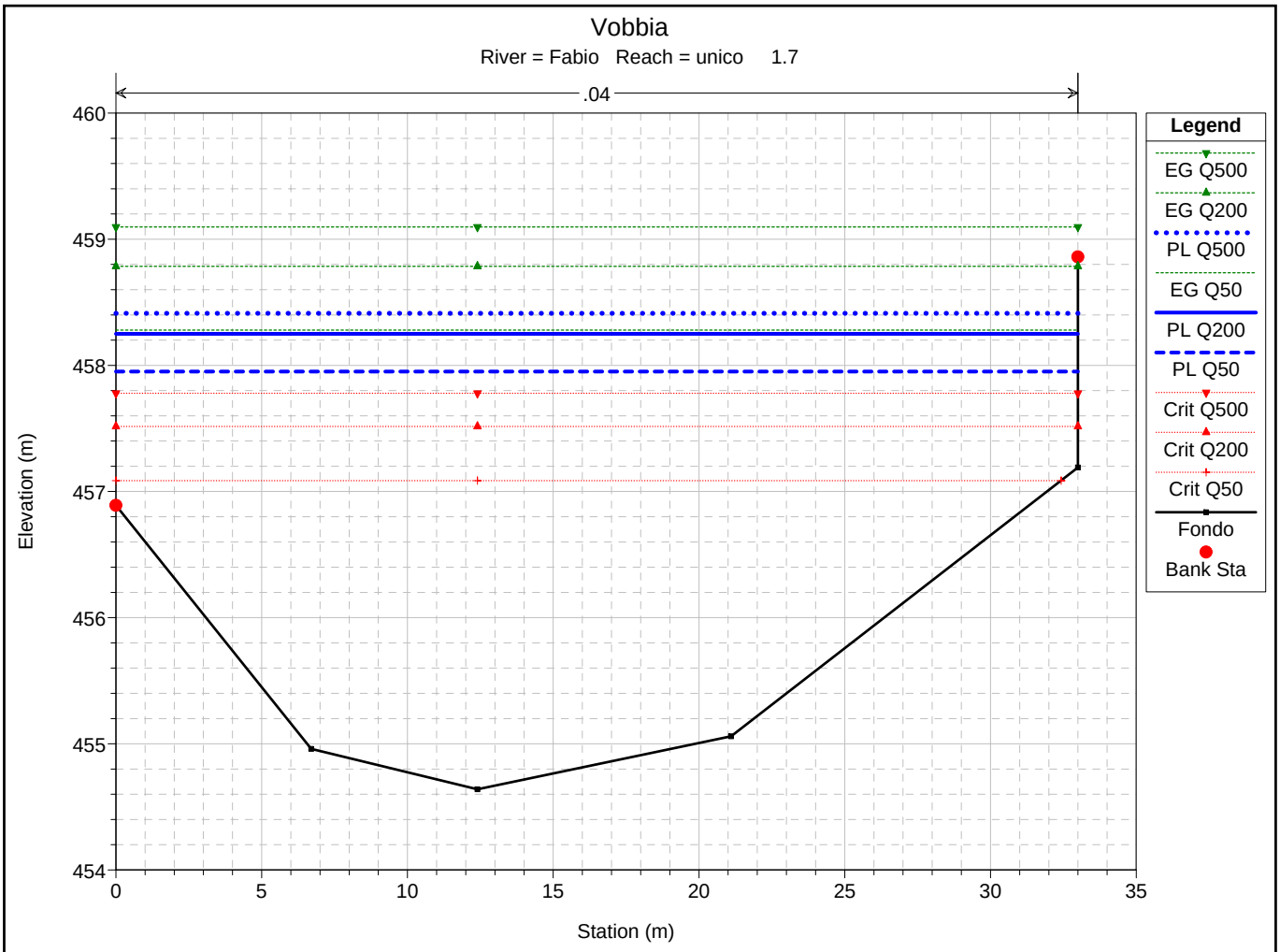

Vobbia
River = Fabio Reach = unico 2.5
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

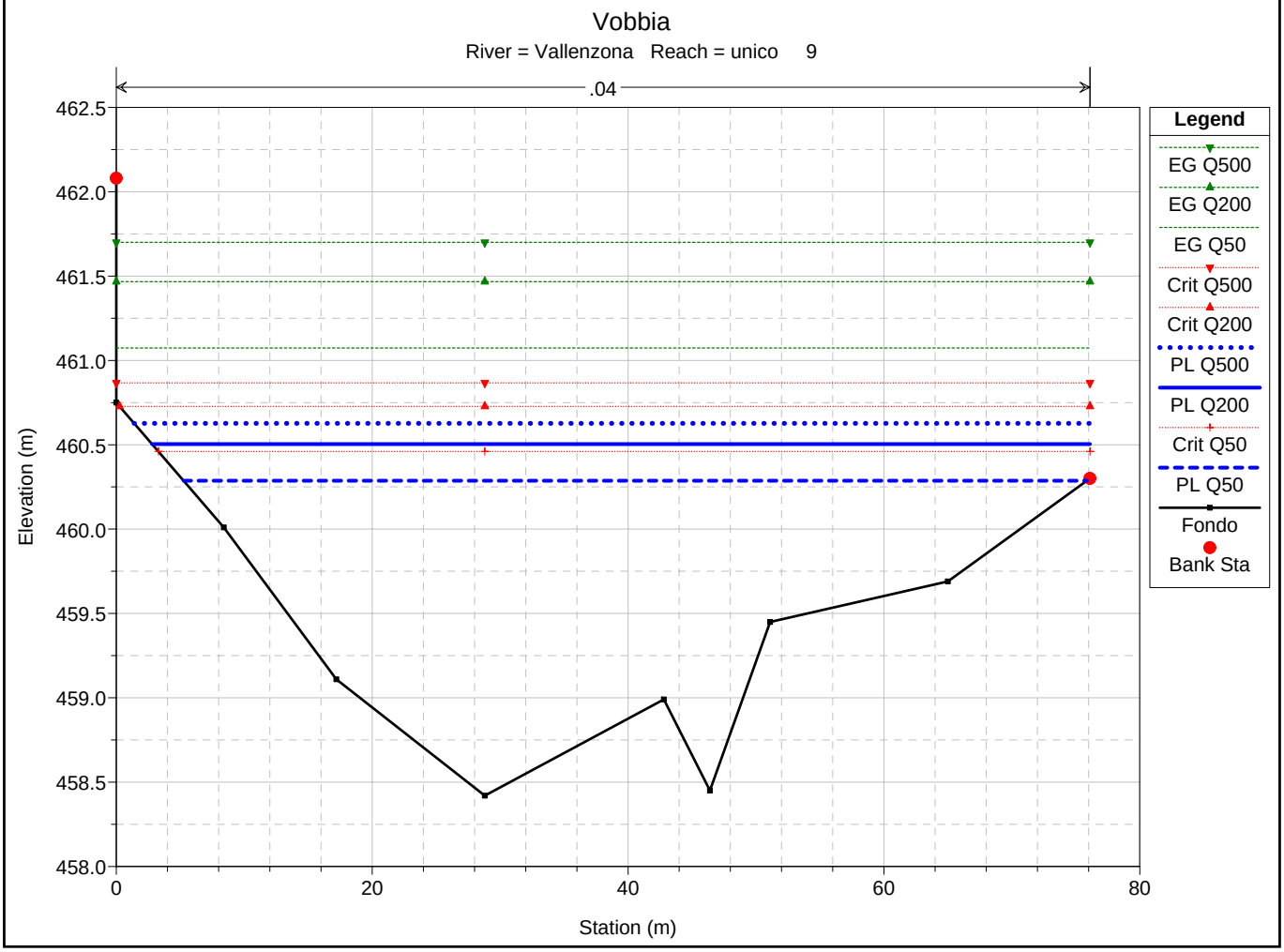

Vobbia
River = Fabio Reach = unico 2.5 valle
.04
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
461
460
459
458
457
456
0
5
10
15
20
25
30
35
40

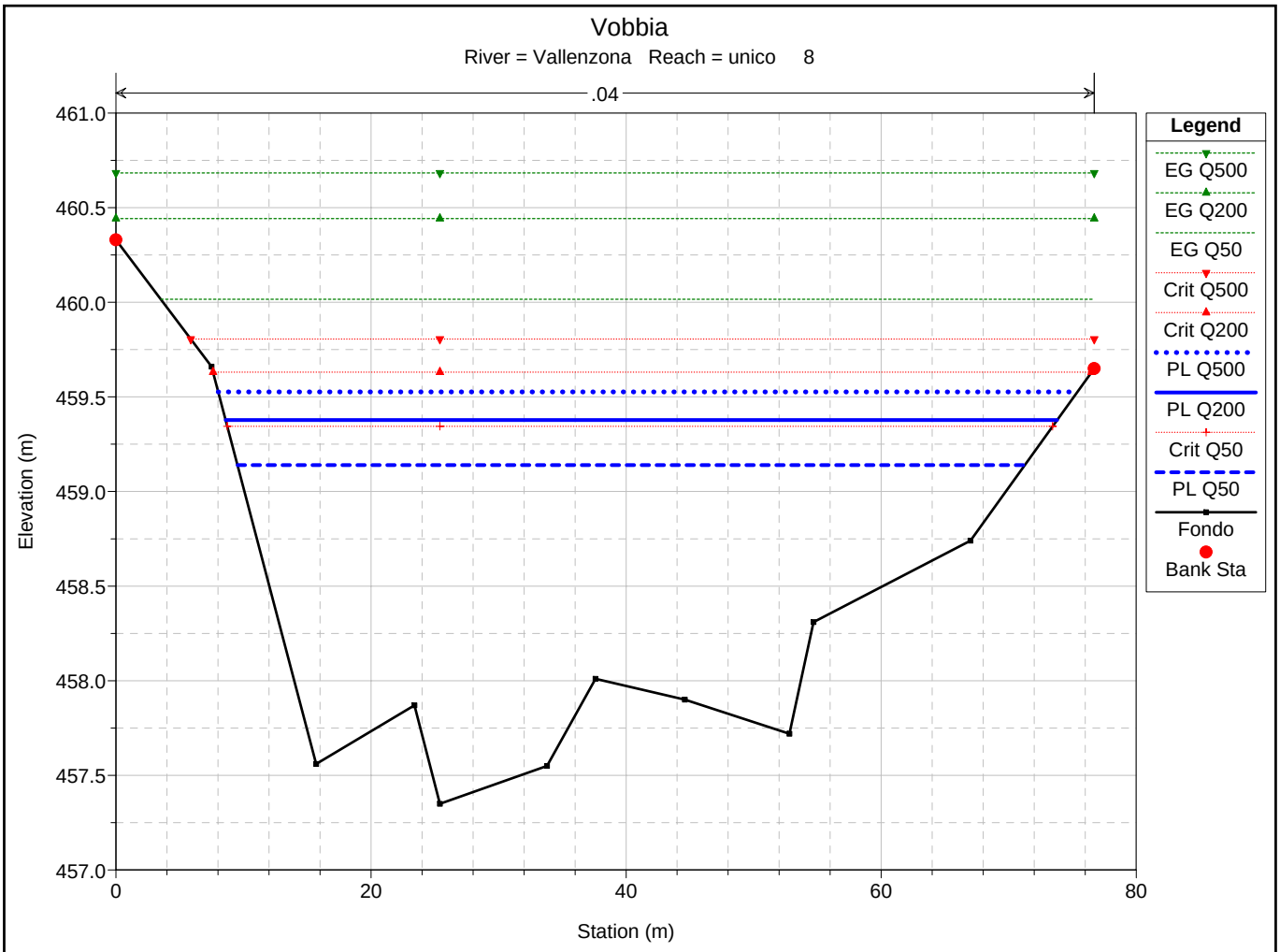

Vobbia
River = Fabio Reach = unico 2.5 valle
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
461
460
459
458
457
456
0
5
10
15
20
25
30
35
40

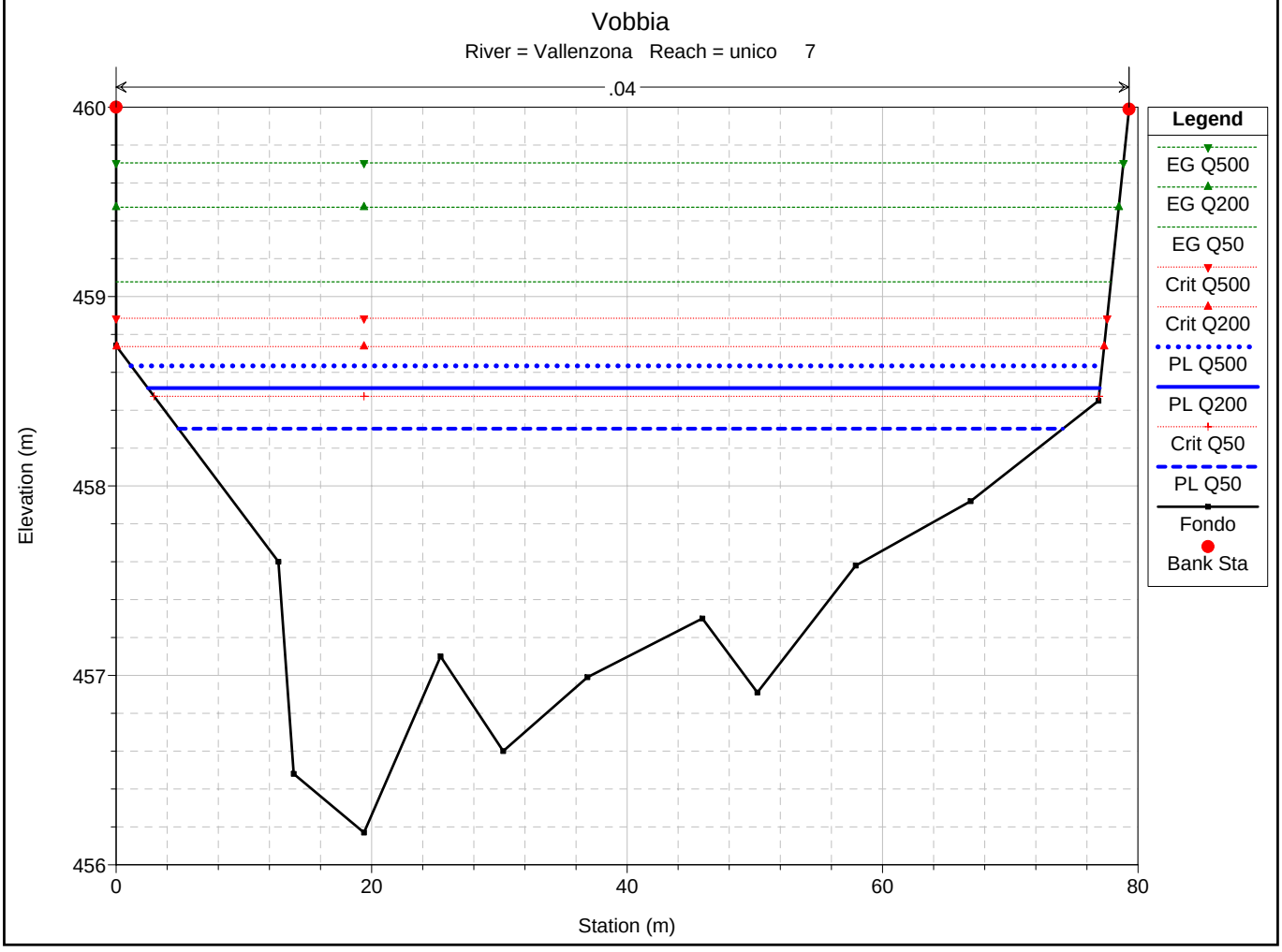

Vobbia
River = Fabio Reach = unico 2
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta


Vobbia
River = Fabio Reach = unico 1.8
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Vobbia
River = Fabio Reach = unico 1.7
.04
Elevation (m)
Station (m)
460
459
458
457
456
455
454
0
5
10
15
20
25
30
35
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

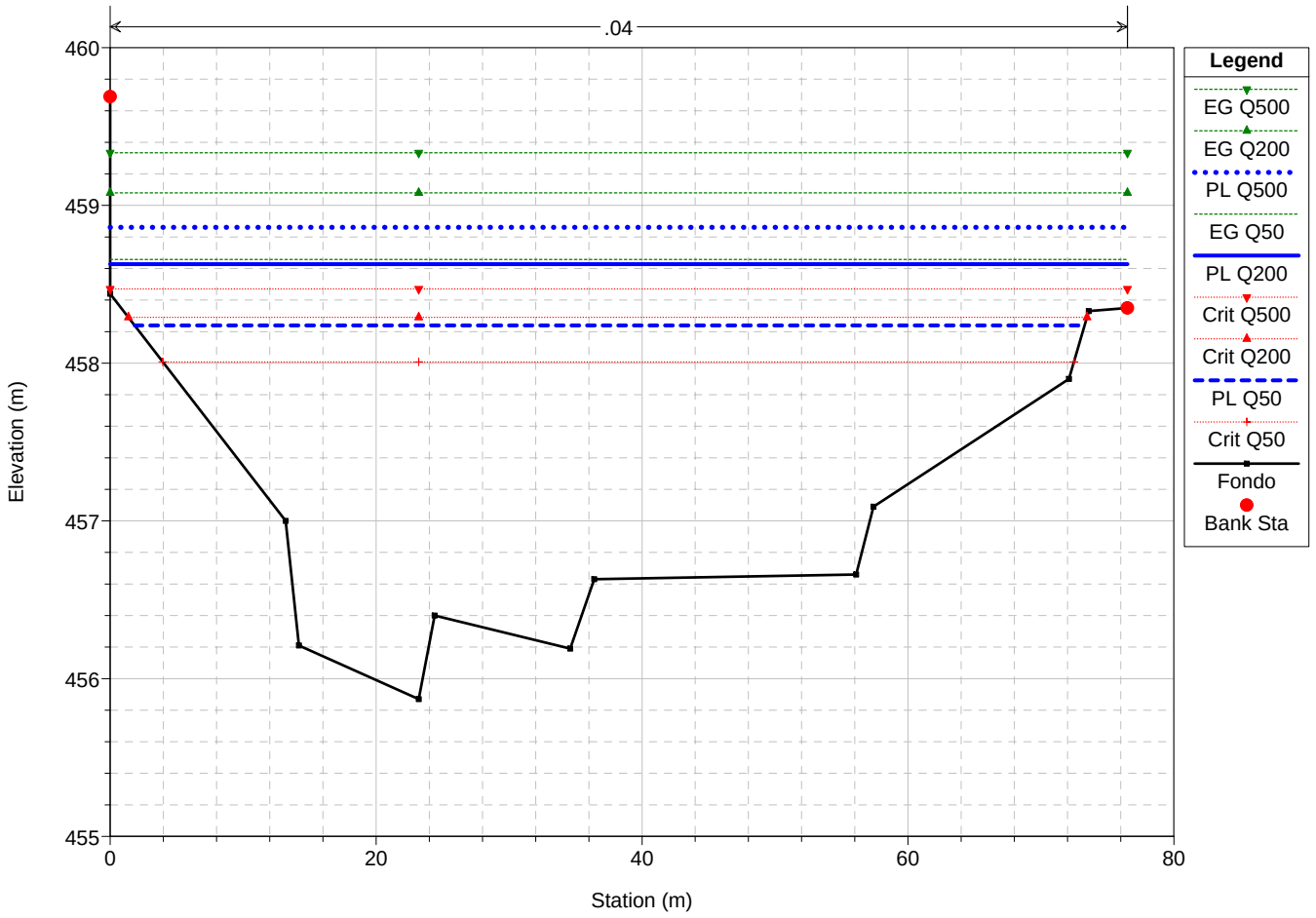

Vobbia
River = Vallenzona Reach = unico 9
.04
Elevation (m)
Station (m)
462.5
462.0
461.5
461.0
460.5
460.0
459.5
459.0
458.5
458.0
0
20
40
60
80
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta


Vobbia
River = Vallenzona Reach = unico 8
.04
461.0
460.5
460.0
459.5
459.0
458.5
458.0
457.5
457.0
Elevation (m)
0
20
40
60
80
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta


Vobbia
River = Vallenzona Reach = unico 7
.04
460
459
458
457
456
Elevation (m)
0
20
40
60
80
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

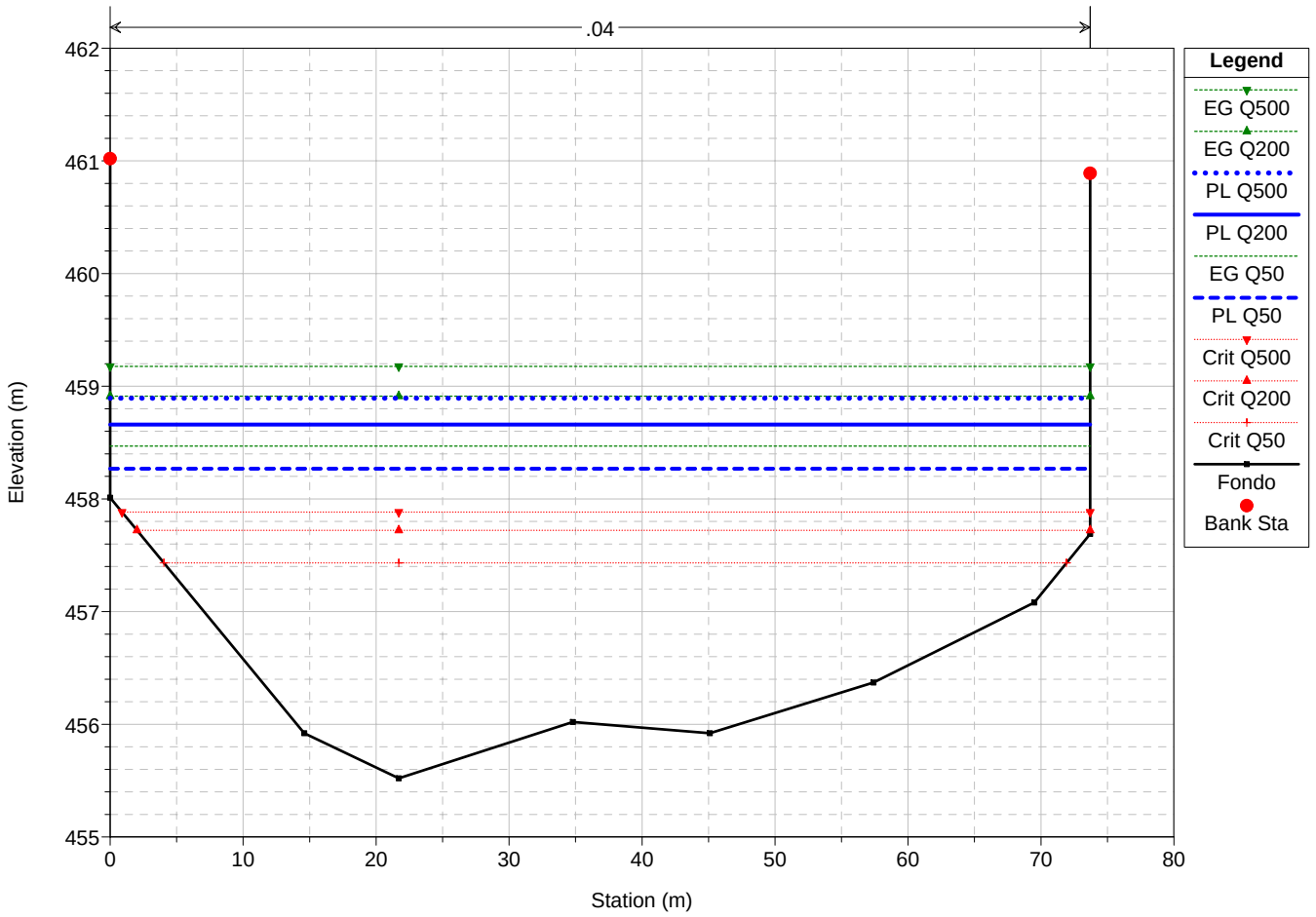
Vobbia

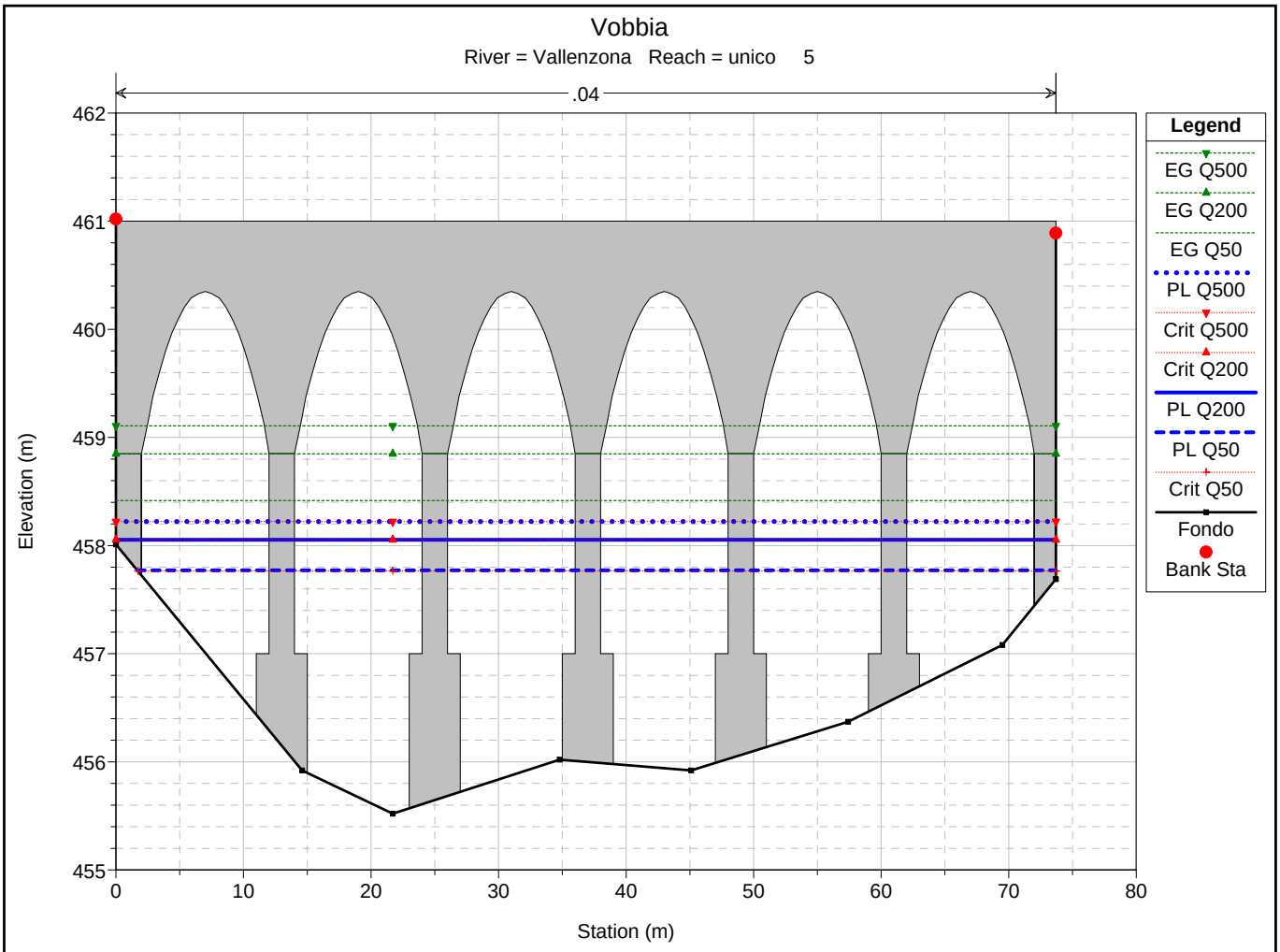
River = Vallenzona Reach = unico 6

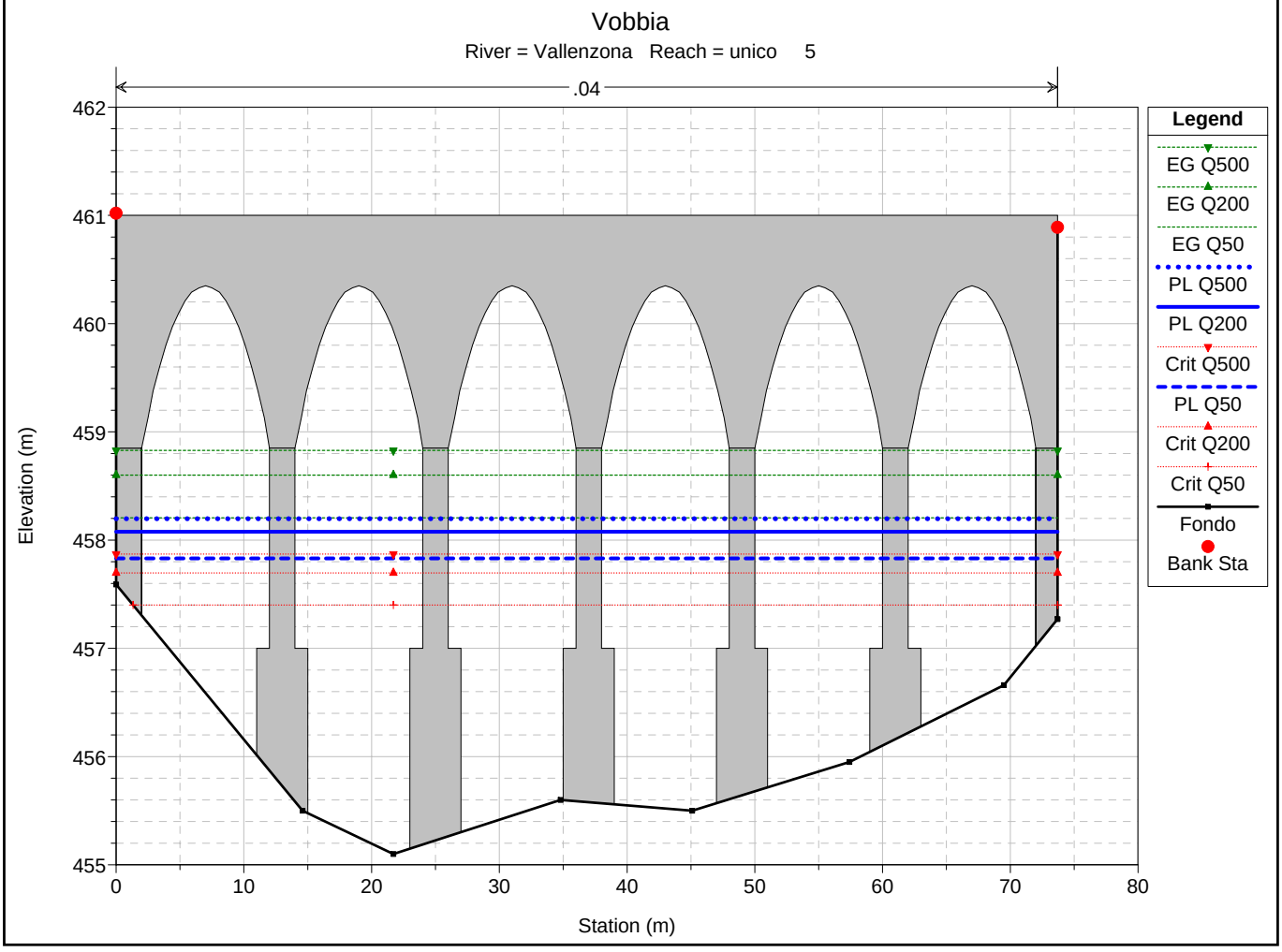


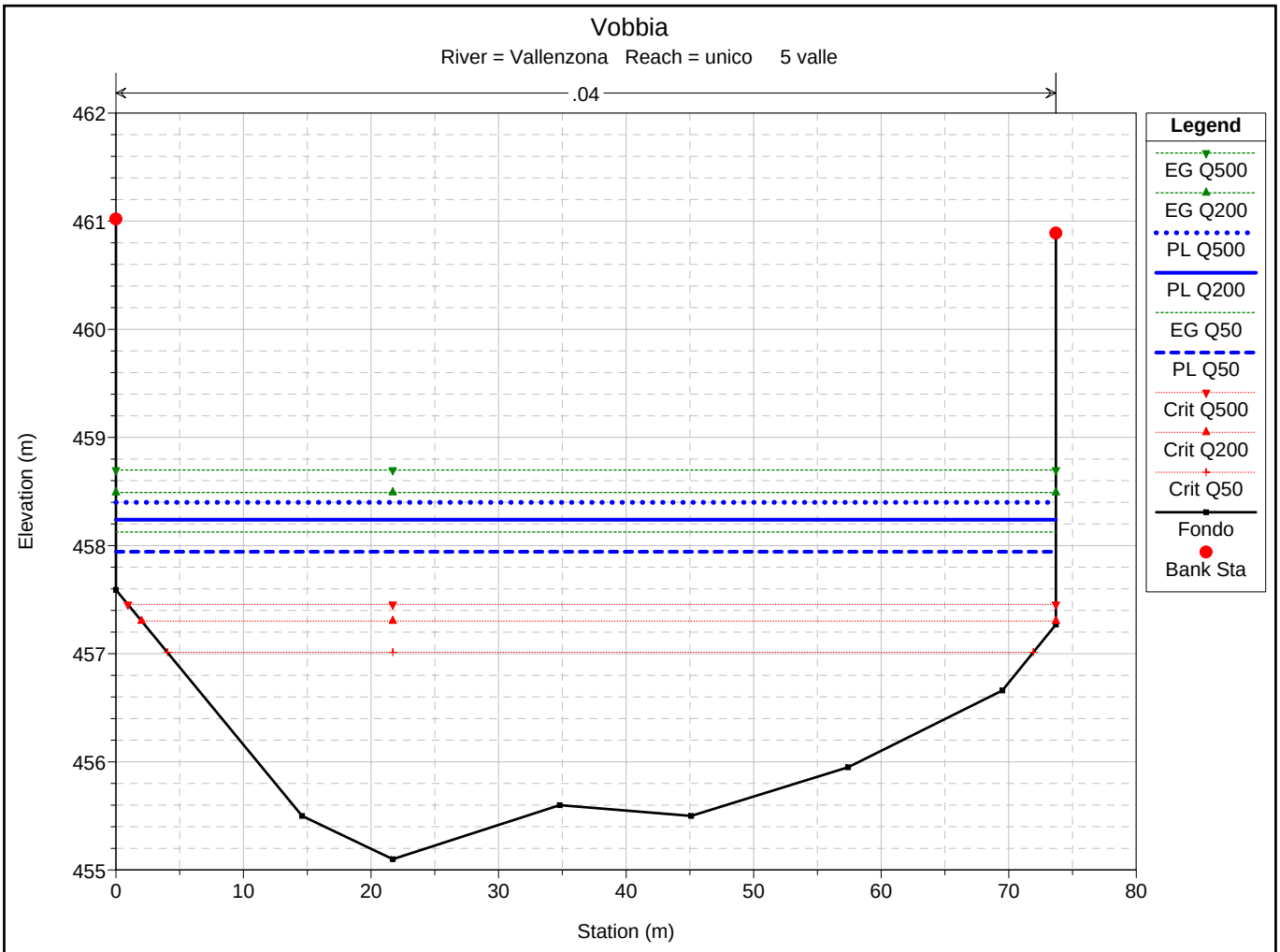
Vobbia

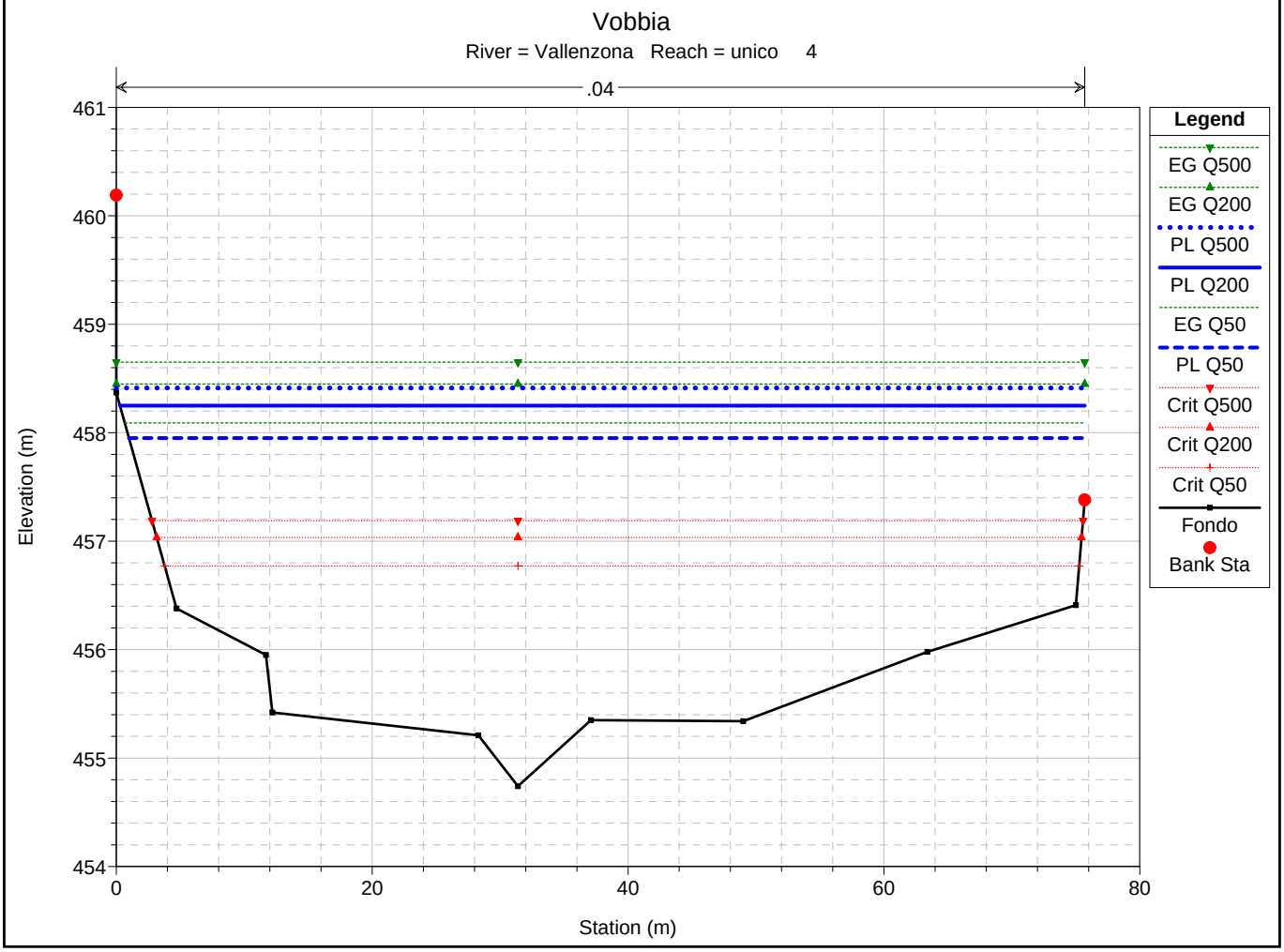
River = Vallenzona Reach = unico 5 monte

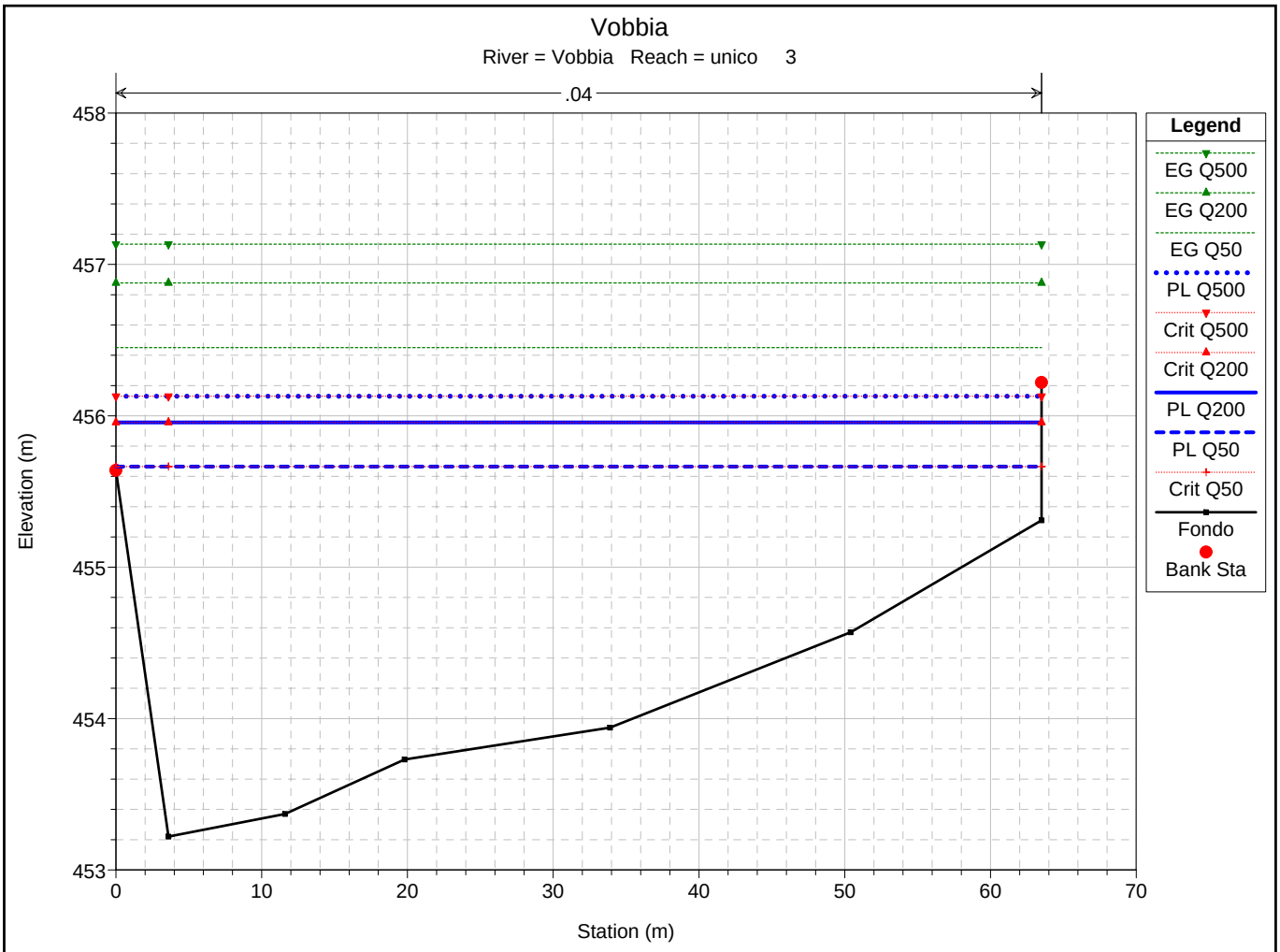


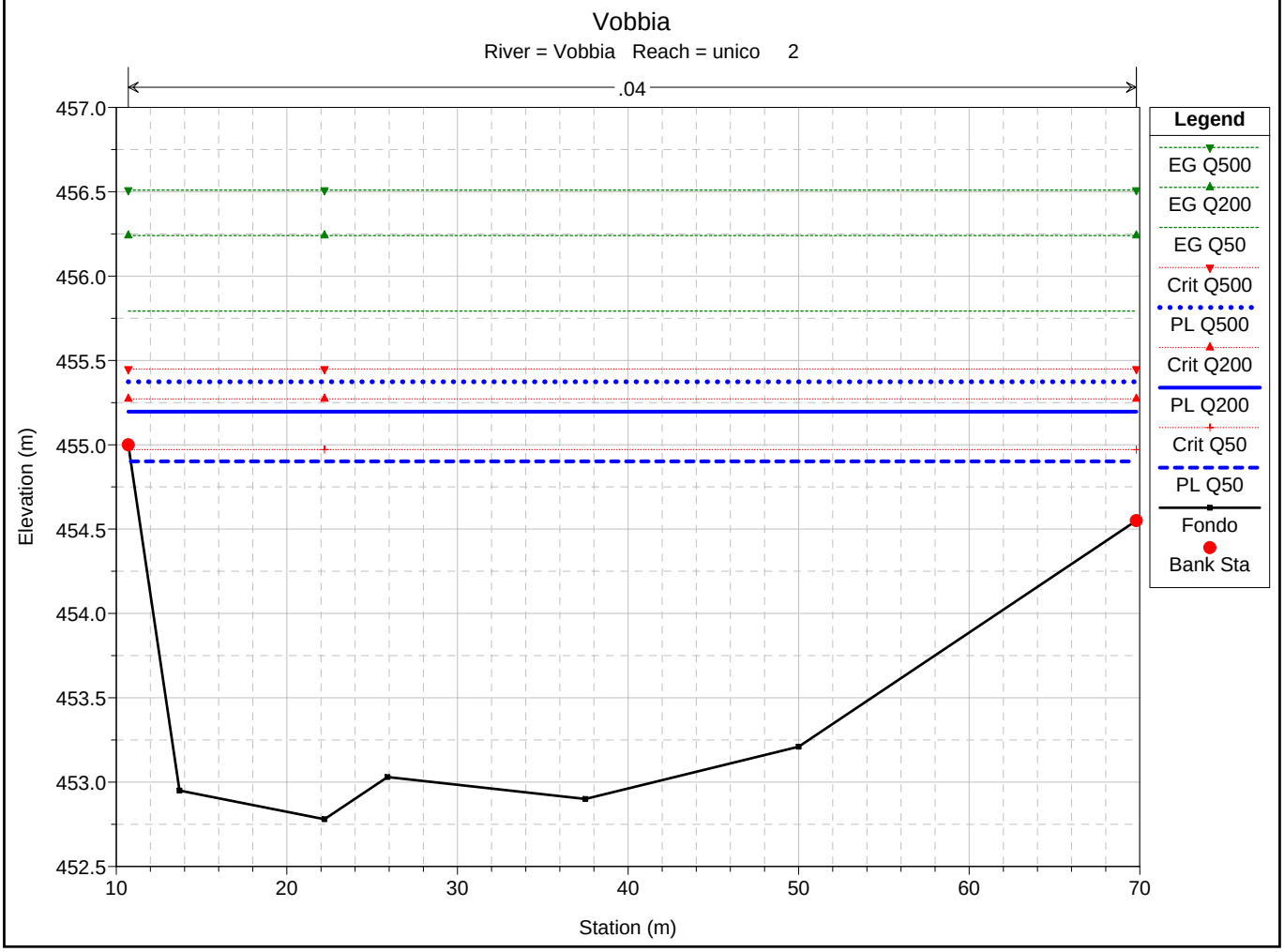

Vobbia
River = Vallenzona Reach = unico 5
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
462
461
460
459
458
457
456
455
0
10
20
30
40
50
60
70
80

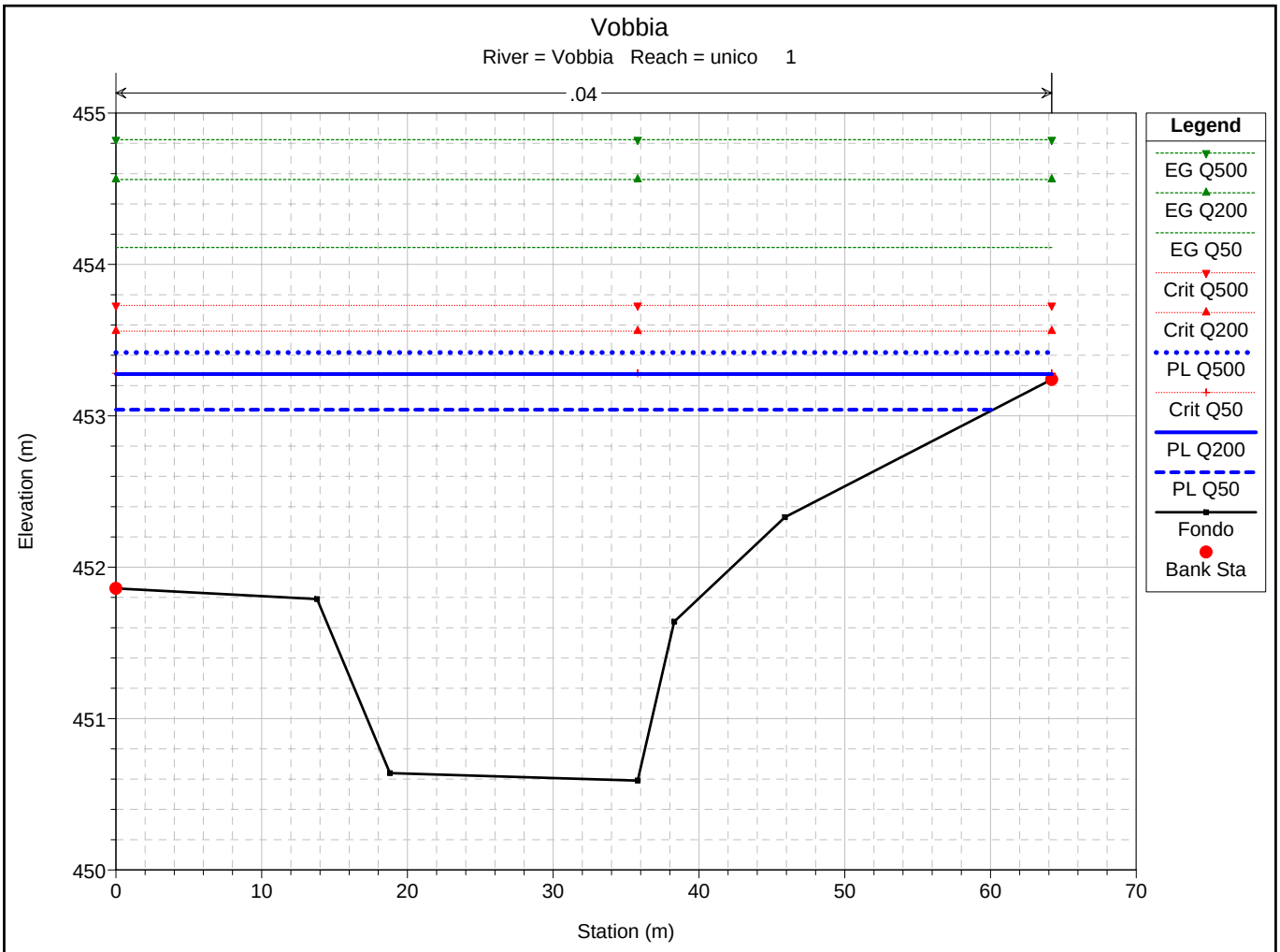

Vobbia
River = Vallenzona Reach = unico 5
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
PL Q50
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
462
461
460
459
458
457
456
455
0
10
20
30
40
50
60
70
80


Vobbia
River = Vallenzona Reach = unico 5 valle
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
462
461
460
459
458
457
456
455
0
10
20
30
40
50
60
70
80


Vobbia
River = Vallenzona Reach = unico 4
.04
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
461
460
459
458
457
456
455
454
0
20
40
60
80


Vobbia
River = Vobbia Reach = unico 3
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Vobbia
River = Vobbia Reach = unico 2
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
PL Q500
Crit Q200
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta


Vobbia
River = Vobbia Reach = unico 1
.04
Elevation (m)
455
454
453
452
451
450
0
10
20
30
40
50
60
70
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

HEC-RAS Plan: 03_momentum

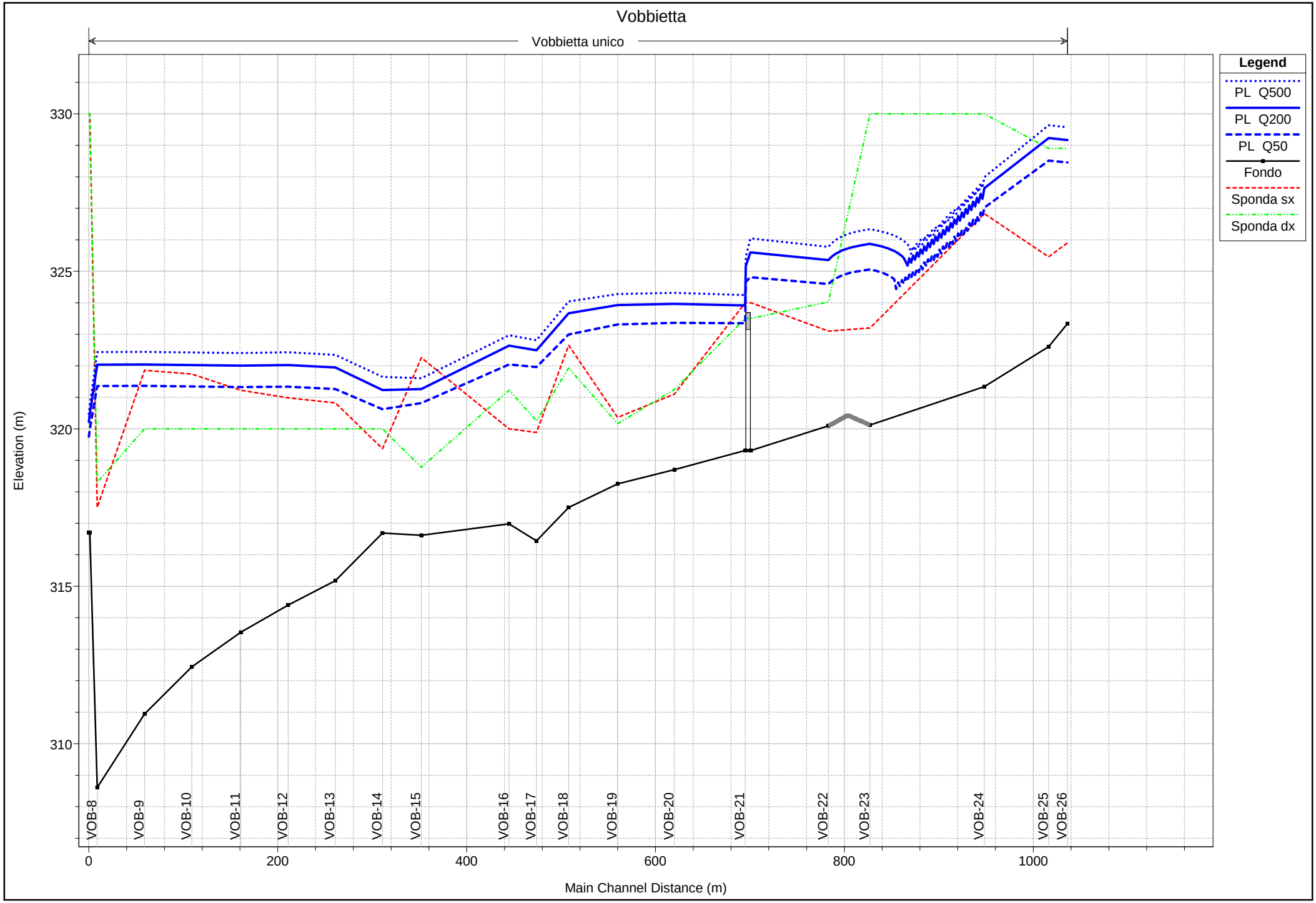
River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Vobbia	unico	30 3	Q50	390.00	453.22	455.66	455.64	-0.02	456.22	0.56	455.66	456.45	0.013921	3.93	99.32	63.50	1.00
Vobbia	unico	30 3	Q200	501.00	453.22	455.96	455.64	-0.32	456.22	0.26	455.96	456.88	0.013149	4.25	117.84	63.50	1.00
Vobbia	unico	30 3	Q500	572.00	453.22	456.13	455.64	-0.49	456.22	0.09	456.13	457.13	0.012838	4.44	128.78	63.50	1.00
Vobbia	unico	20 2	Q50	390.00	452.78	454.90	455.00	0.10	454.55	-0.35	454.97	455.79	0.015512	4.18	93.29	58.96	1.06
Vobbia	unico	20 2	Q200	501.00	452.78	455.20	455.00	-0.20	454.55	-0.65	455.27	456.24	0.014691	4.53	110.69	59.10	1.06
Vobbia	unico	20 2	Q500	572.00	452.78	455.37	455.00	-0.37	454.55	-0.82	455.45	456.51	0.014283	4.72	121.15	59.10	1.05
Vobbia	unico	10 1	Q50	390.00	450.59	453.04	451.86	-1.18	453.24	0.20	453.28	454.11	0.021980	4.59	85.02	60.18	1.23
Vobbia	unico	10 1	Q200	501.00	450.59	453.28	451.86	-1.42	453.24	-0.04	453.56	454.56	0.023324	5.02	99.71	64.20	1.29
Vobbia	unico	10 1	Q500	572.00	450.59	453.42	451.86	-1.56	453.24	-0.18	453.73	454.82	0.022812	5.25	108.87	64.20	1.29
Vobbia	unico	0	Q50	390.00	447.79	450.12	449.06	-1.06	450.44	0.32	450.48	451.40	0.027829	5.01	77.88	57.74	1.38
Vobbia	unico	0	Q200	501.00	447.79	450.39	449.06	-1.33	450.44	0.06	450.76	451.83	0.027726	5.33	93.96	63.09	1.39
Vobbia	unico	0	Q500	572.00	447.79	450.52	449.06	-1.46	450.44	-0.08	450.93	452.10	0.027724	5.58	102.56	64.20	1.41
Vallenzona	unico	1000	Q50	282.00	460.85	462.78	464.51	1.73	462.73	-0.05	462.89	463.48	0.020002	3.69	76.52	71.60	1.14
Vallenzona	unico	1000	Q200	380.00	460.85	463.01	464.51	1.50	462.73	-0.28	463.15	463.86	0.020002	4.09	92.92	74.16	1.17
Vallenzona	unico	1000	Q500	443.00	460.85	463.14	464.51	1.37	462.73	-0.41	463.30	464.09	0.020011	4.31	102.75	75.65	1.18
Vallenzona	unico	60 9	Q50	282.00	458.42	460.29	462.08	1.79	460.30	0.01	460.46	461.07	0.024266	3.93	71.79	70.61	1.24
Vallenzona	unico	60 9	Q200	380.00	458.42	460.50	462.08	1.58	460.30	-0.20	460.73	461.47	0.024133	4.35	87.39	73.31	1.27
Vallenzona	unico	60 9	Q500	443.00	458.42	460.63	462.08	1.45	460.30	-0.33	460.87	461.70	0.024209	4.59	96.52	74.70	1.29
Vallenzona	unico	50 8	Q50	282.00	457.35	459.14	460.33	1.19	459.65	0.51	459.34	460.02	0.024409	4.15	68.00	61.73	1.26
Vallenzona	unico	50 8	Q200	380.00	457.35	459.38	460.33	0.95	459.65	0.27	459.63	460.44	0.024421	4.57	83.12	65.20	1.29
Vallenzona	unico	50 8	Q500	443.00	457.35	459.53	460.33	0.80	459.65	0.12	459.81	460.68	0.023888	4.77	92.94	67.36	1.30
Vallenzona	unico	40 7	Q50	282.00	456.17	458.30	460.00	1.70	459.99	1.69	458.47	459.08	0.023287	3.90	72.29	69.25	1.22
Vallenzona	unico	40 7	Q200	380.00	456.17	458.52	460.00	1.48	459.99	1.47	458.74	459.47	0.024428	4.33	87.75	74.52	1.27
Vallenzona	unico	40 7	Q500	443.00	456.17	458.63	460.00	1.37	459.99	1.36	458.89	459.71	0.024752	4.59	96.61	76.01	1.30
Vallenzona	unico	30 6	Q50	282.00	455.87	458.24	459.69	1.45	458.35	0.11	458.01	458.66	0.008679	2.87	98.40	71.44	0.78
Vallenzona	unico	30 6	Q200	380.00	455.87	458.63	459.69	1.06	458.35	-0.28	458.29	459.08	0.007301	2.98	127.68	76.50	0.74
Vallenzona	unico	30 6	Q500	443.00	455.87	458.86	459.69	0.83	458.35	-0.51	458.47	459.33	0.006467	3.04	145.53	76.50	0.70
Vallenzona	unico	22 5 monte	Q50	282.00	455.52	458.27	461.02	2.75	460.89	2.62	457.43	458.47	0.002683	1.99	142.02	73.70	0.46
Vallenzona	unico	22 5 monte	Q200	380.00	455.52	458.66	461.02	2.36	460.89	2.23	457.72	458.91	0.002665	2.22	170.88	73.70	0.47
Vallenzona	unico	22 5 monte	Q500	443.00	455.52	458.89	461.02	2.13	460.89	2.00	457.88	459.18	0.002653	2.36	188.08	73.70	0.47
Vallenzona	unico	20 5		Bridge													
Vallenzona	unico	18 5 valle	Q50	282.00	455.10	457.94	461.02	3.08	460.89	2.95	457.01	458.13	0.002292	1.89	149.03	73.70	0.42
Vallenzona	unico	18 5 valle	Q200	380.00	455.10	458.24	461.02	2.78	460.89	2.65	457.30	458.49	0.002669	2.22	170.81	73.70	0.47
Vallenzona	unico	18 5 valle	Q500	443.00	455.10	458.40	461.02	2.62	460.89	2.49	457.46	458.70	0.002920	2.43	182.61	73.70	0.49
Vallenzona	unico	10 4	Q50	282.00	454.74	457.95	460.19	2.24	457.38	-0.57	456.77	458.09	0.001521	1.66	169.85	74.71	0.35
Vallenzona	unico	10 4	Q200	380.00	454.74	458.25	460.19	1.94	457.38	-0.87	457.03	458.45	0.001859	1.98	192.32	75.42	0.39
Vallenzona	unico	10 4	Q500	443.00	454.74	458.41	460.19	1.78	457.38	-1.03	457.19	458.65	0.002073	2.16	204.63	75.70	0.42
Fabio	unico	35.	Q50	204.00	463.62	465.35	469.59	4.24	470.30	4.95	465.35	466.10	0.014340	3.83	53.32	35.63	1.00
Fabio	unico	35.	Q200	292.00	463.62	465.77	469.59	3.82	470.30	4.53	465.77	466.69	0.013519	4.25	68.75	37.24	1.00
Fabio	unico	35.	Q500	350.00	463.62	466.01	469.59	3.58	470.30	4.29	466.01	467.05	0.013186	4.50	77.71	37.57	1.00
Fabio	unico	34.6 6 monte	Q50	204.00	461.02	463.41	464.72	1.31	464.26	0.85	462.75	463.76	0.004498	2.63	77.61	37.57	0.58
Fabio	unico	34.6 6 monte	Q200	292.00	461.02	463.96	464.72	0.76	464.26	0.30	463.17	464.41	0.004487	2.96	98.69	39.46	0.60
Fabio	unico	34.6 6 monte	Q500	350.00	461.02	464.29	464.72	0.43	464.26	-0.03	463.42	464.79	0.004597	3.13	111.97	41.98	0.61

HEC-RAS Plan: 03_momentum (Continued)

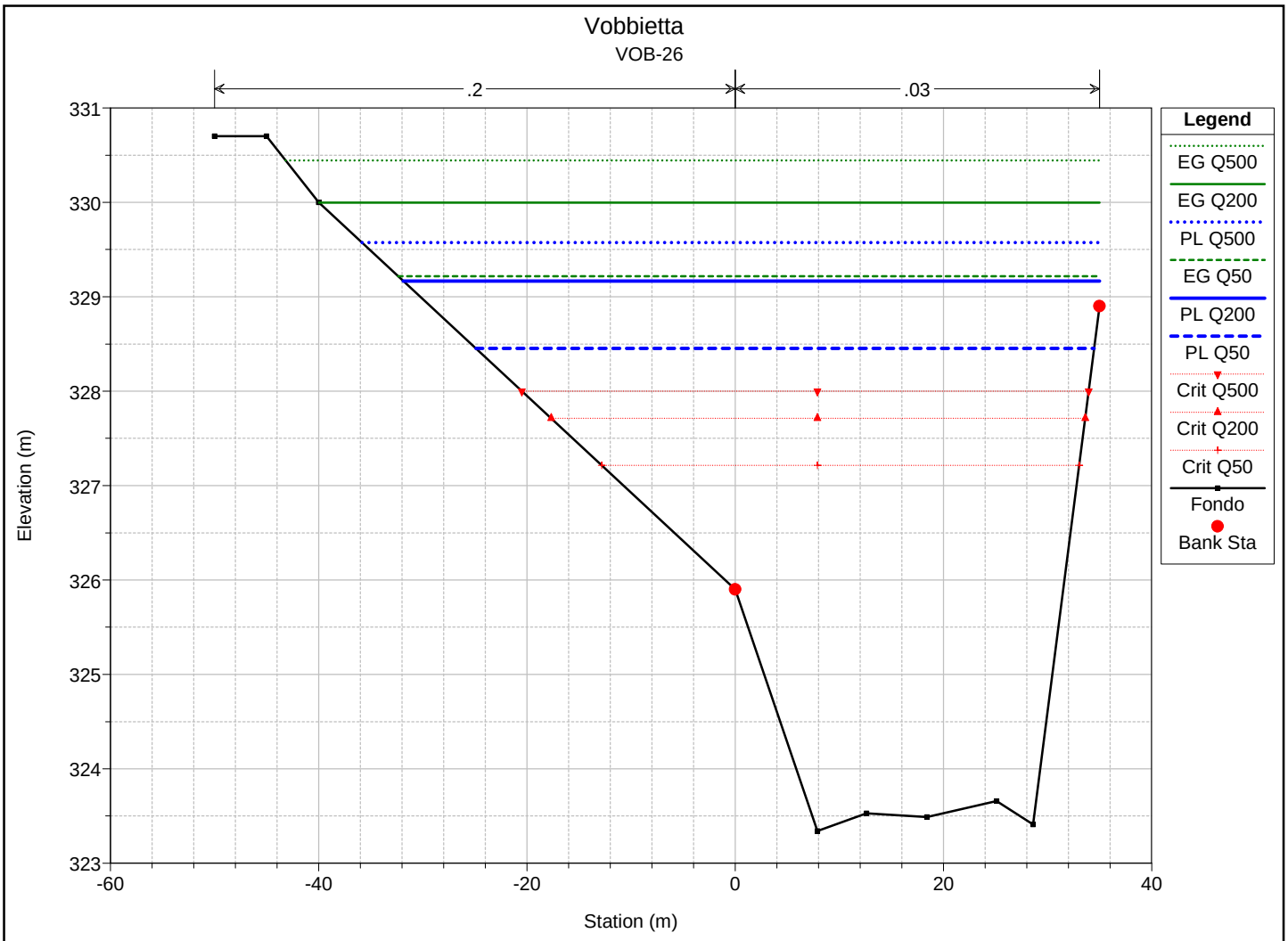
River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Fabio	unico	34.5 6		Bridge													
Fabio	unico	34. 6 valle	Q50	204.00	461.02	462.43	464.72	2.29	462.29	-0.14	462.77	463.65	0.030178	4.90	41.61	34.12	1.42
Fabio	unico	34. 6 valle	Q200	292.00	461.02	462.79	464.72	1.94	462.29	-0.50	463.19	464.28	0.027439	5.41	54.01	35.65	1.40
Fabio	unico	34. 6 valle	Q500	350.00	461.02	462.99	464.72	1.73	462.29	-0.70	463.43	464.65	0.026415	5.70	61.51	36.54	1.40
Fabio	unico	33. 5	Q50	204.00	459.64	461.96	464.01	2.05	461.57	-0.39	461.96	462.75	0.013877	3.94	51.79	45.39	1.00
Fabio	unico	33. 5	Q200	292.00	459.64	462.42	464.01	1.59	461.57	-0.85	462.42	463.37	0.013130	4.31	67.69	61.16	1.00
Fabio	unico	33. 5	Q500	350.00	459.64	462.68	464.01	1.33	461.57	-1.11	462.68	463.74	0.012595	4.54	77.01	62.38	1.00
Fabio	unico	32. 4	Q50	204.00	459.09	460.71	462.80	2.09	463.17	2.46	461.01	461.78	0.028755	4.59	44.42	38.63	1.37
Fabio	unico	32. 4	Q200	292.00	459.09	461.00	462.80	1.80	463.17	2.17	461.39	462.36	0.030501	5.16	56.55	43.05	1.44
Fabio	unico	32. 4	Q500	350.00	459.09	461.16	462.80	1.64	463.17	2.01	461.61	462.70	0.031870	5.49	63.75	45.75	1.48
Fabio	unico	31. 3	Q50	204.00	458.03	459.60	463.40	3.80	461.32	1.72	459.99	460.95	0.030645	5.15	39.64	29.93	1.43
Fabio	unico	31. 3	Q200	292.00	458.03	460.04	463.40	3.36	461.32	1.28	460.47	461.57	0.026969	5.48	53.26	32.97	1.38
Fabio	unico	31. 3	Q500	350.00	458.03	460.29	463.40	3.11	461.32	1.03	460.73	461.92	0.025430	5.66	61.88	34.85	1.36
Fabio	unico	30.9 2.9	Q50	204.00	457.69	459.52	464.08	4.56	459.94	0.42	459.54	460.29	0.014946	3.89	52.43	35.03	1.02
Fabio	unico	30.9 2.9	Q200	292.00	457.69	460.48	464.08	3.60	459.94	-0.54	459.96	461.06	0.006289	3.36	86.90	36.79	0.70
Fabio	unico	30.9 2.9	Q500	350.00	457.69	460.52	464.08	3.56	459.94	-0.58	460.21	461.32	0.008642	3.97	88.16	36.85	0.82
Fabio	unico	30.7 2.5 monte	Q50	204.00	456.80	459.44	459.76	0.32	459.29	-0.15	458.94	459.86	0.006057	2.89	70.60	35.77	0.66
Fabio	unico	30.7 2.5 monte	Q200	292.00	456.80	460.48	459.76	-0.72	459.29	-1.19	459.36	460.85	0.003232	2.71	107.93	35.80	0.50
Fabio	unico	30.7 2.5 monte	Q500	350.00	456.80	460.51	459.76	-0.75	459.29	-1.22	459.60	461.04	0.004482	3.21	109.15	35.80	0.59
Fabio	unico	30.6 2.5 monte	Q50	204.00	456.80	459.43	459.76	0.33	459.29	-0.14	458.94	459.86	0.006156	2.90	70.24	35.77	0.66
Fabio	unico	30.6 2.5 monte	Q200	292.00	456.80	460.48	459.76	-0.72	459.29	-1.19	459.36	460.85	0.003245	2.71	107.79	35.80	0.50
Fabio	unico	30.6 2.5 monte	Q500	350.00	456.80	460.51	459.76	-0.75	459.29	-1.22	459.60	461.03	0.004520	3.22	108.86	35.80	0.59
Fabio	unico	30.5 2.5		Bridge													
Fabio	unico	30.4 2.5 valle	Q50	204.00	456.80	459.23	459.76	0.53	459.29	0.06	458.94	459.76	0.008514	3.23	63.21	35.33	0.77
Fabio	unico	30.4 2.5 valle	Q200	292.00	456.80	459.68	459.76	0.08	459.29	-0.39	459.36	460.37	0.008562	3.68	79.31	35.79	0.79
Fabio	unico	30.4 2.5 valle	Q500	350.00	456.80	459.95	459.76	-0.19	459.29	-0.66	459.60	460.74	0.008569	3.94	88.87	35.80	0.80
Fabio	unico	30.3 2.5 valle	Q50	204.00	456.80	458.94	459.76	0.82	459.29	0.35	458.94	459.69	0.015017	3.85	52.98	35.19	1.00
Fabio	unico	30.3 2.5 valle	Q200	292.00	456.80	459.36	459.76	0.40	459.29	-0.07	459.36	460.30	0.014106	4.30	67.83	35.76	1.00
Fabio	unico	30.3 2.5 valle	Q500	350.00	456.80	459.60	459.76	0.16	459.29	-0.31	459.60	460.67	0.013860	4.58	76.39	35.78	1.00
Fabio	unico	30. 2	Q50	204.00	456.46	458.24	458.79	0.55	459.16	0.92	458.46	459.29	0.023293	4.53	45.00	33.35	1.25
Fabio	unico	30. 2	Q200	292.00	456.46	458.63	458.79	0.16	459.16	0.53	458.89	459.92	0.021070	5.03	58.04	33.49	1.22
Fabio	unico	30. 2	Q500	350.00	456.46	458.88	458.79	-0.09	459.16	0.28	459.13	460.30	0.019885	5.29	66.20	33.56	1.20
Fabio	unico	20 1.8	Q50	204.00	454.90	457.99	457.24	-0.75	458.23	0.24	457.19	458.36	0.003950	2.68	76.24	31.48	0.55
Fabio	unico	20 1.8	Q200	292.00	454.90	458.31	457.24	-1.07	458.23	-0.08	457.64	458.89	0.005513	3.39	86.18	31.50	0.65
Fabio	unico	20 1.8	Q500	350.00	454.90	458.49	457.24	-1.25	458.23	-0.26	457.90	459.23	0.006481	3.81	91.90	31.50	0.71
Fabio	unico	10 1.7	Q50	204.00	454.64	457.95	456.89	-1.06	458.86	0.91	457.09	458.28	0.003462	2.54	80.23	33.00	0.52
Fabio	unico	10 1.7	Q200	292.00	454.64	458.25	456.89	-1.36	458.86	0.61	457.52	458.78	0.004927	3.24	90.10	33.00	0.63
Fabio	unico	10 1.7	Q500	350.00	454.64	458.41	456.89	-1.52	458.86	0.45	457.78	459.10	0.005906	3.67	95.48	33.00	0.69

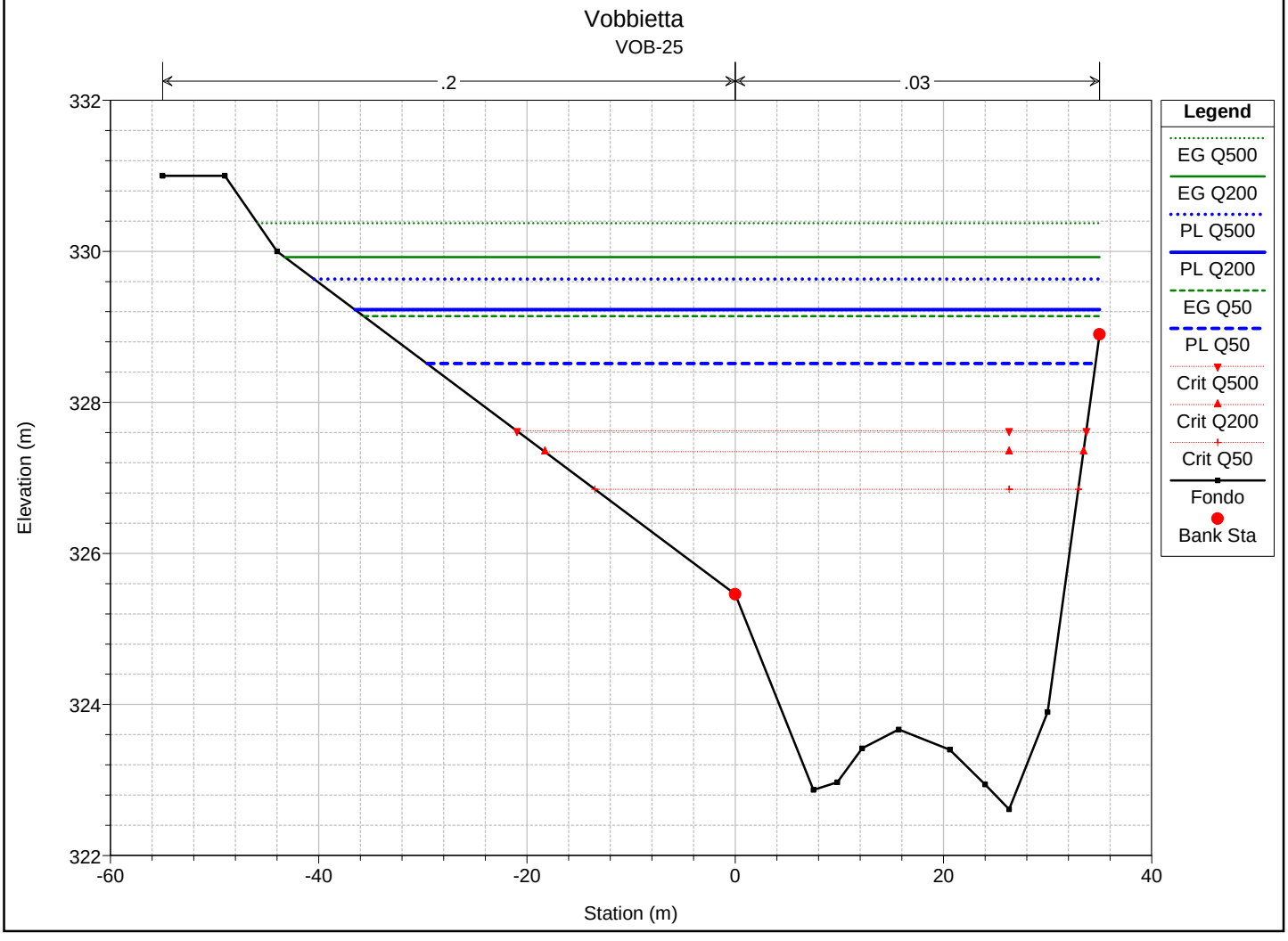
Torrente Vobbia (loc. Vobbietta)

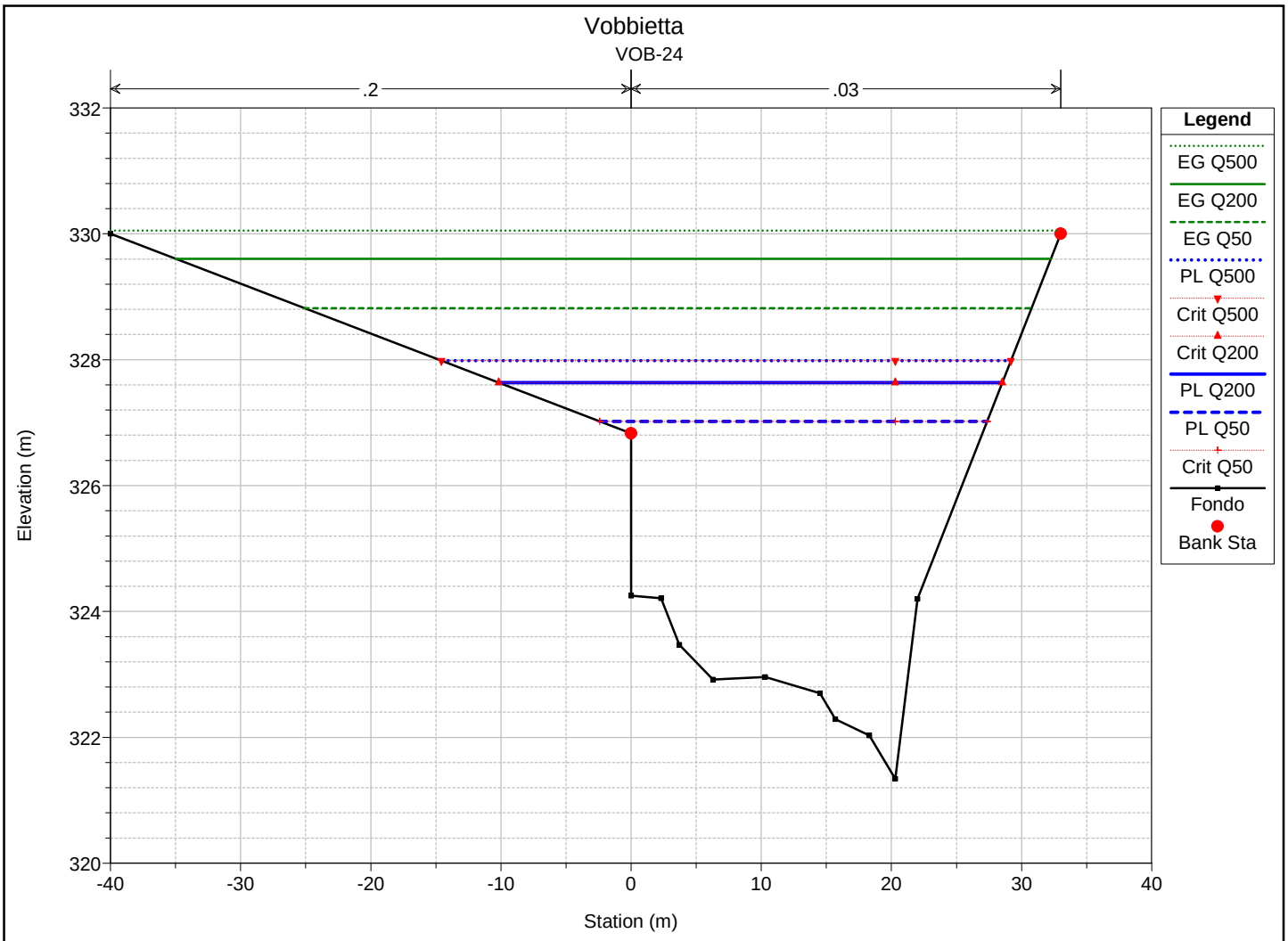
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

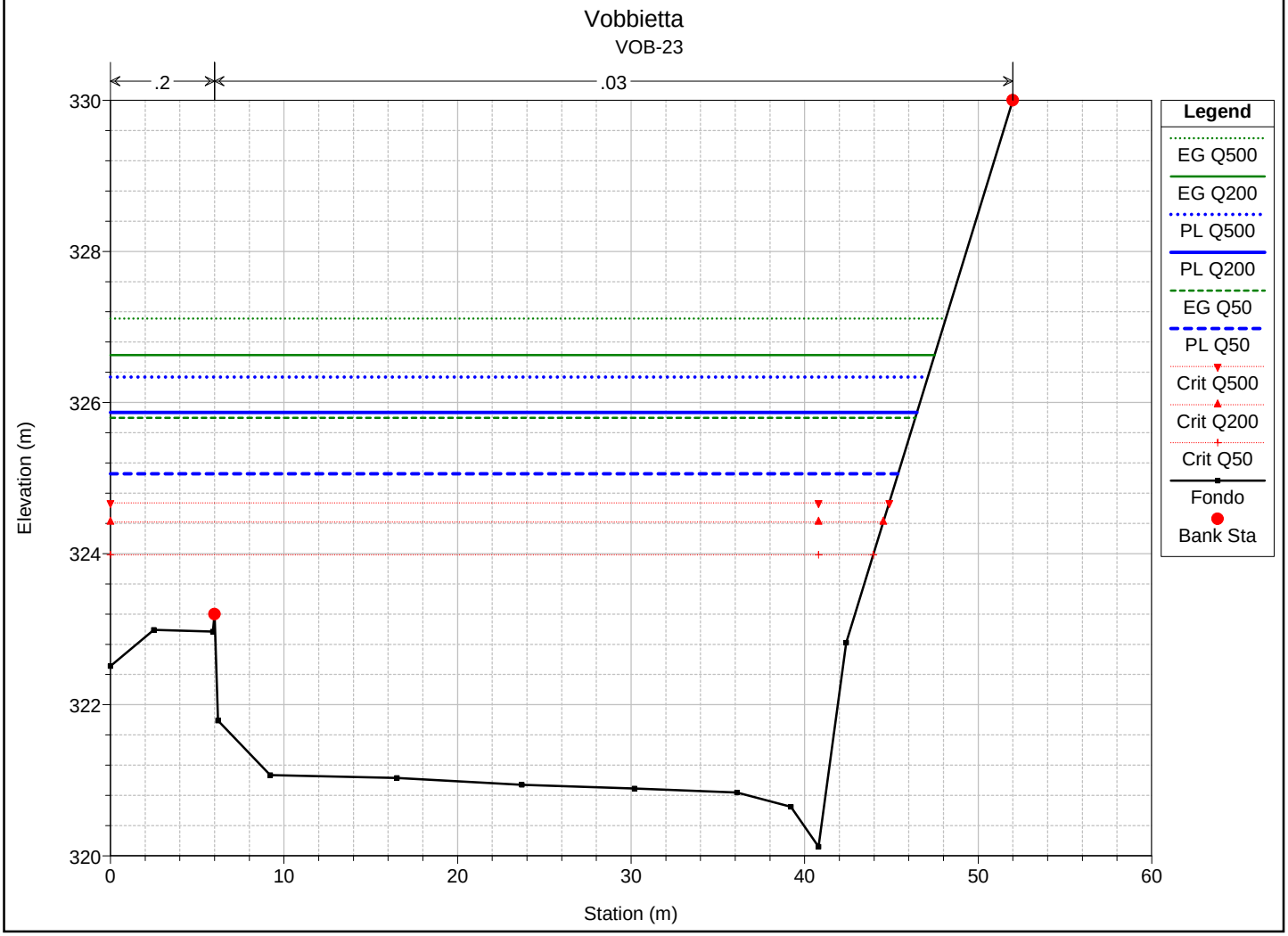


1 cm Horiz. = 50 m 1 cm Vert. = 1.5 m


Vobbietta
VOB-26
.2
.03
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
331
330
329
328
327
326
325
324
323
-60
-40
-20
0
20
40

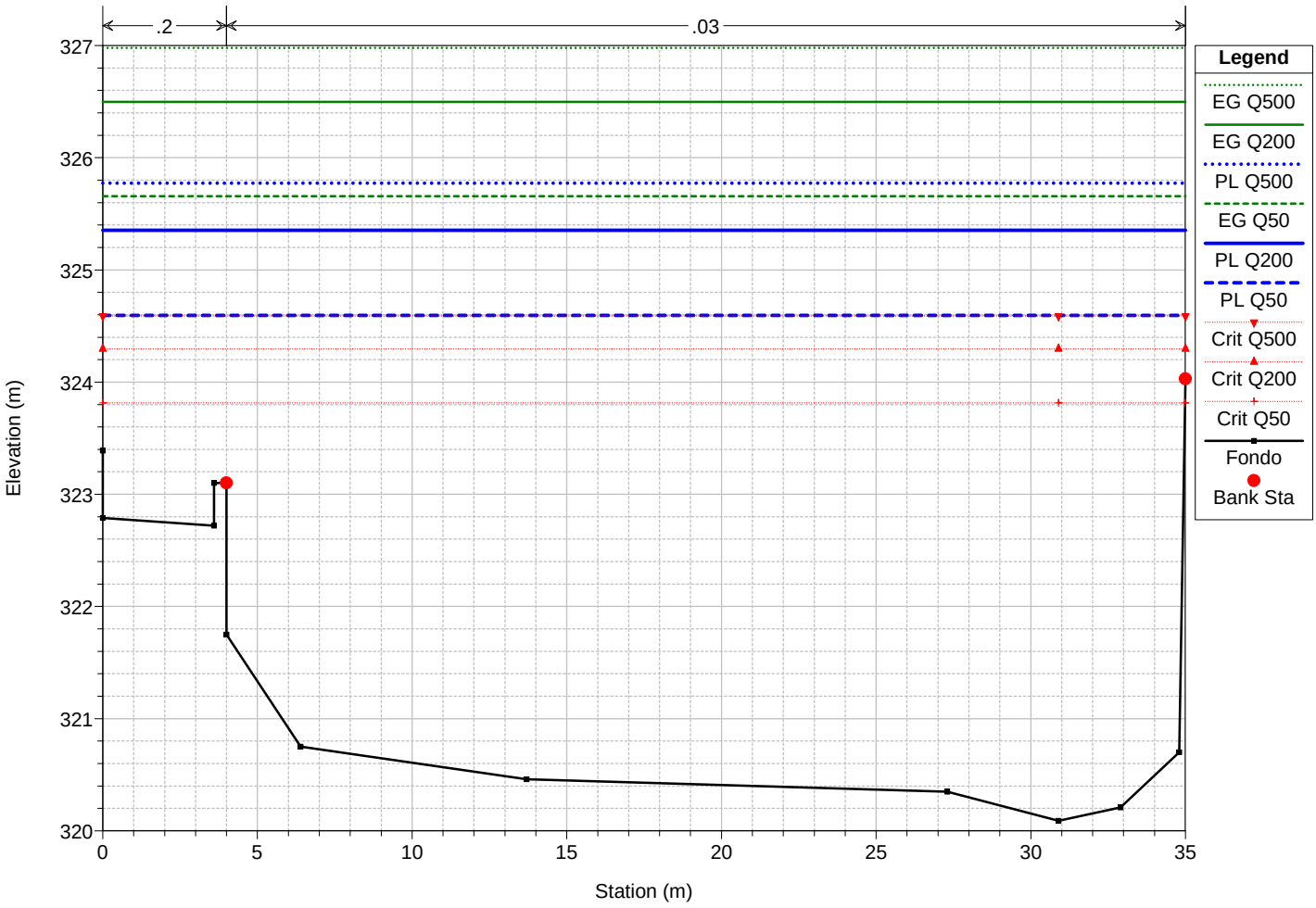

Vobbietta
VOB-25
.2
.03
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
332
330
328
326
324
322
-60
-40
-20
0
20
40


Vobbietta
VOB-24
.2
.03
332
330
328
326
324
322
320
-40
-30
-20
-10
0
10
20
30
40
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-23
.2
.03
330
328
326
324
322
320
0
10
20
30
40
50
60
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta

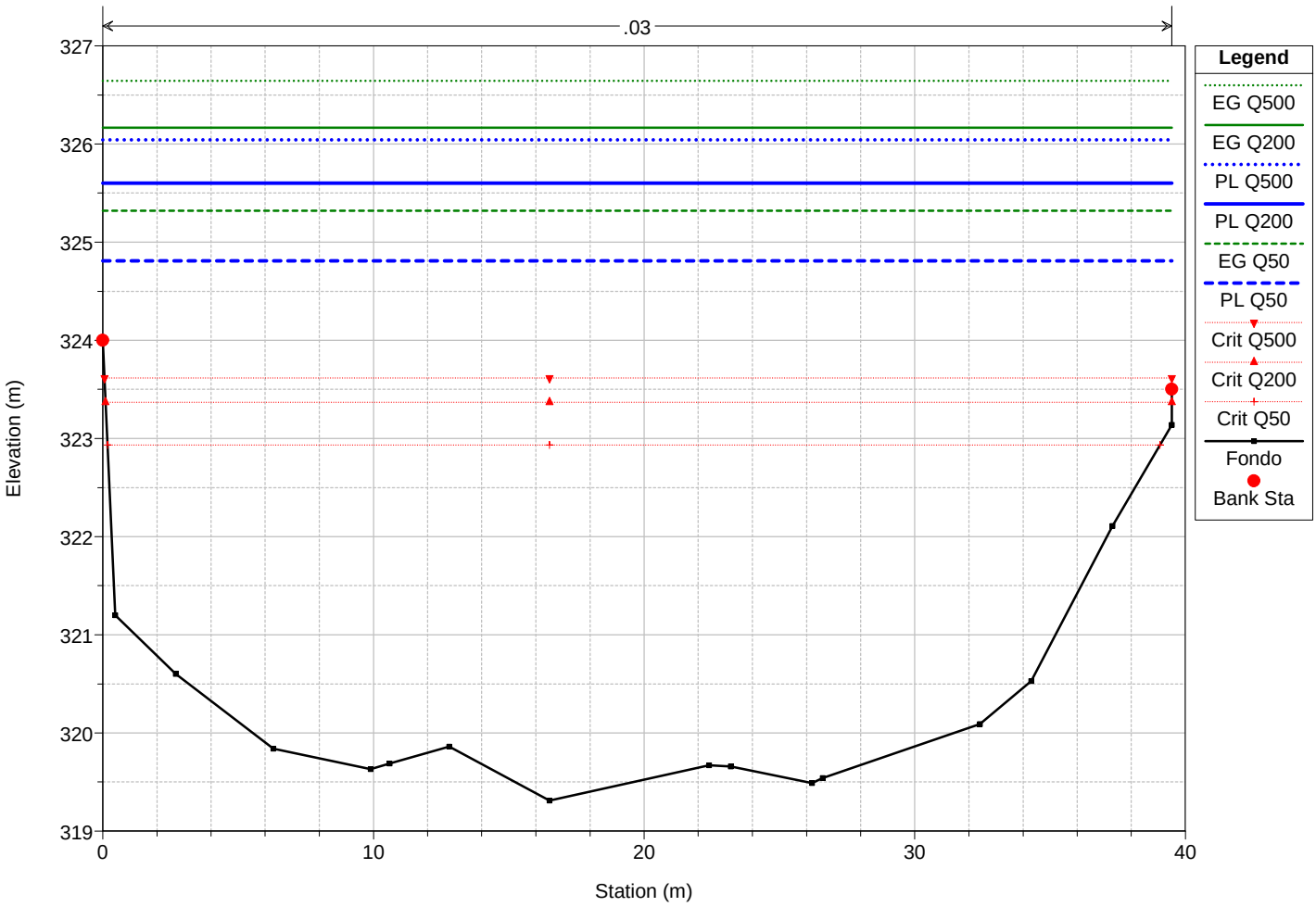
Vobbietta

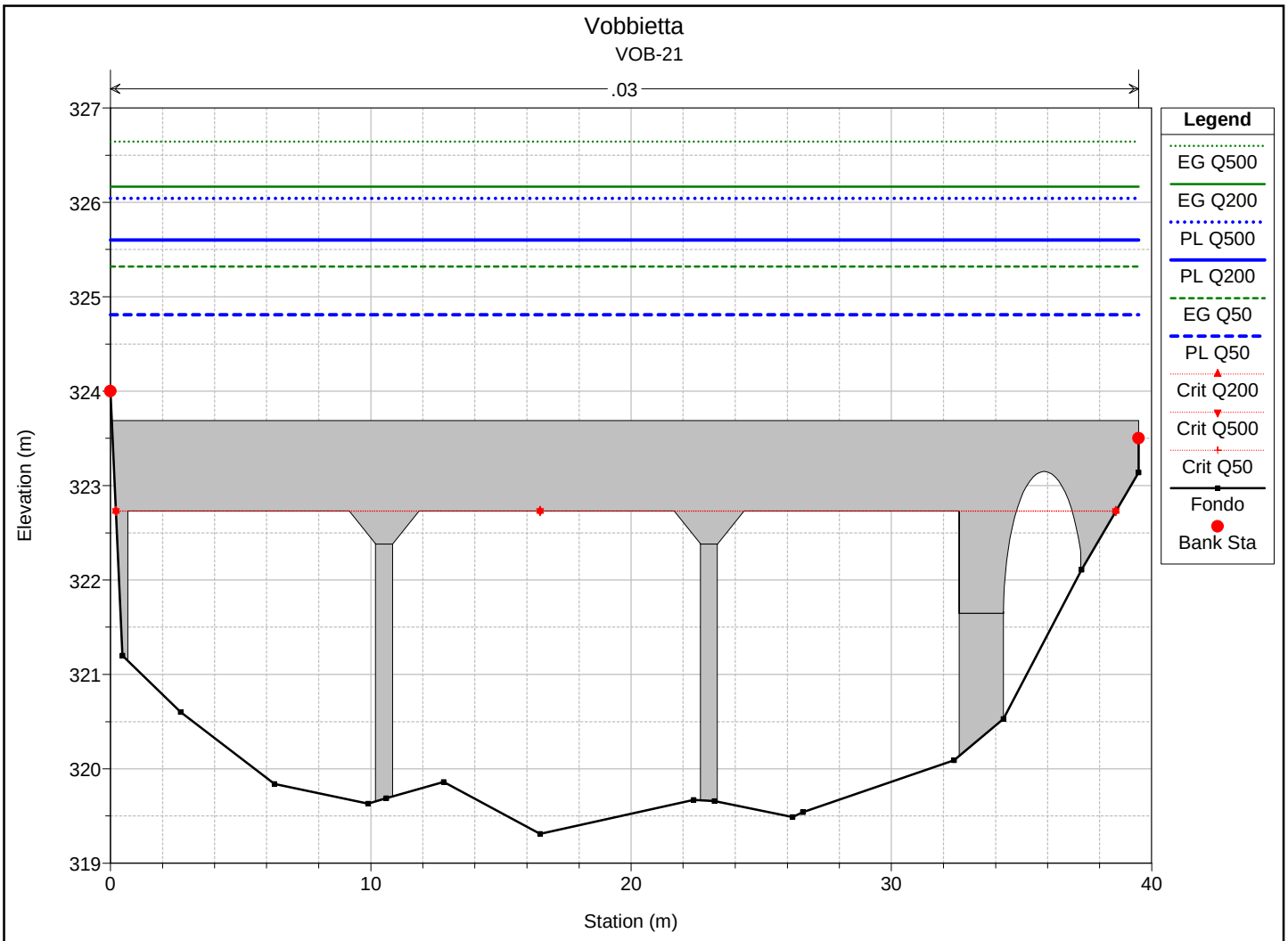
VOB-22

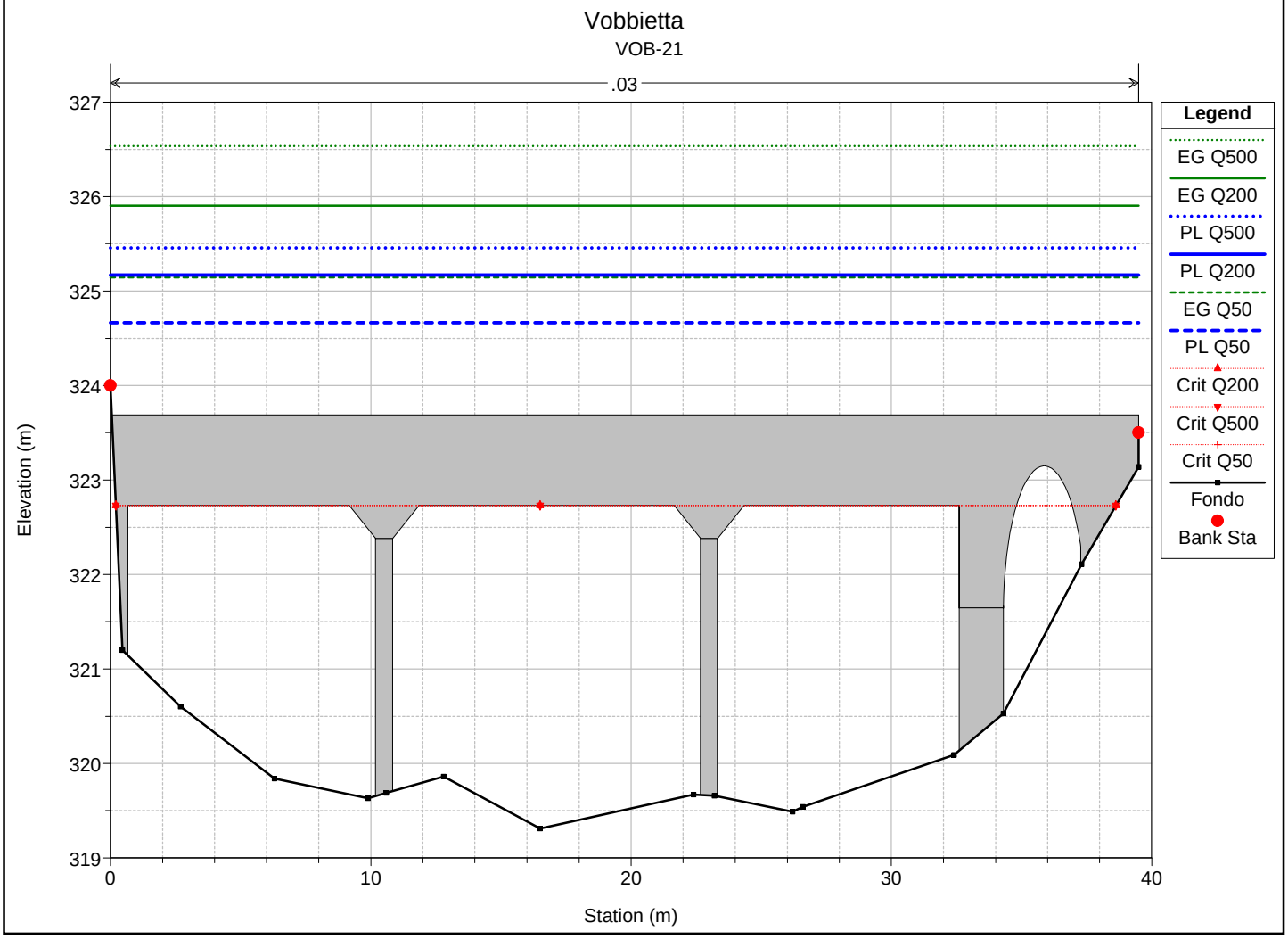


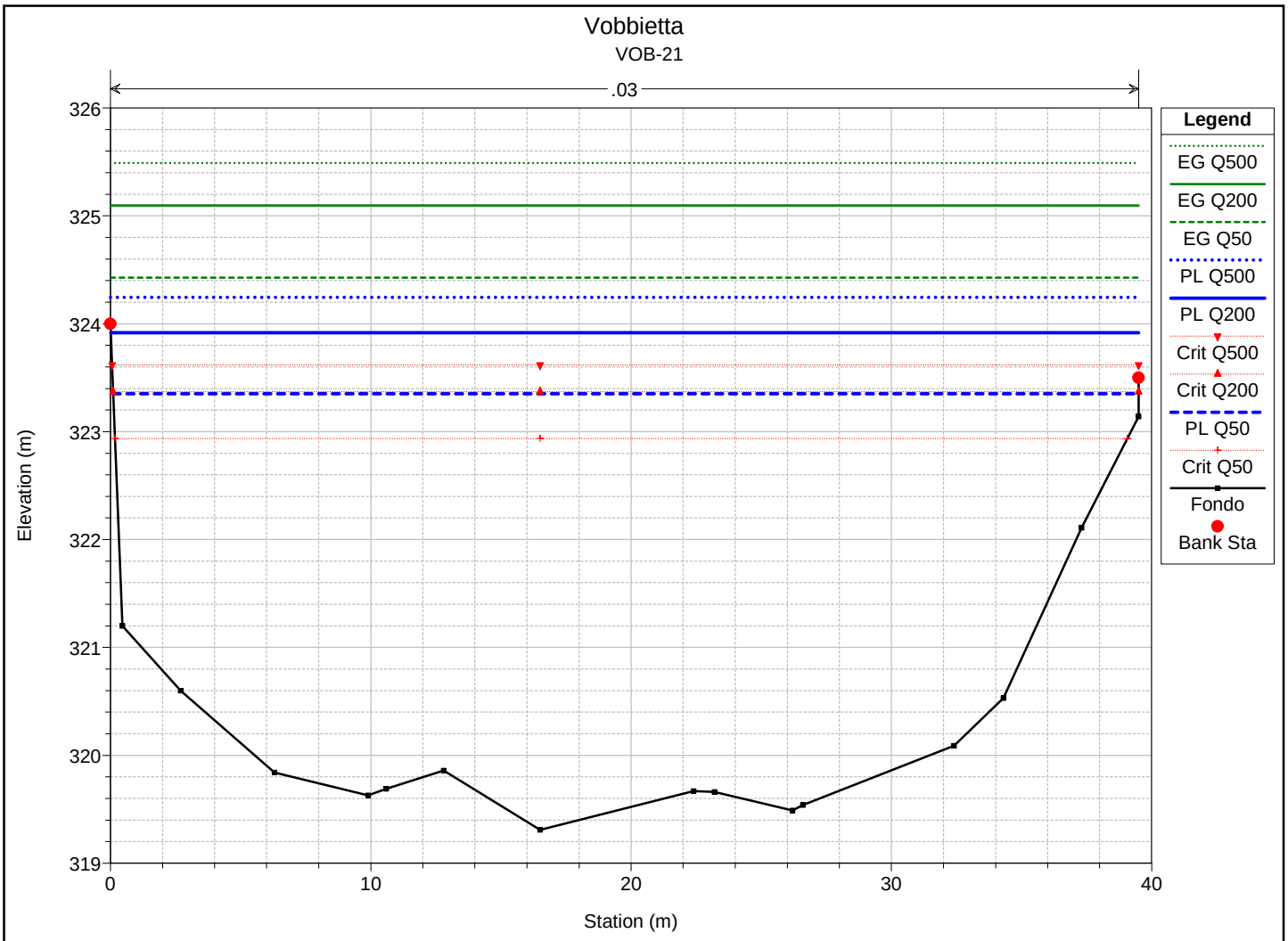
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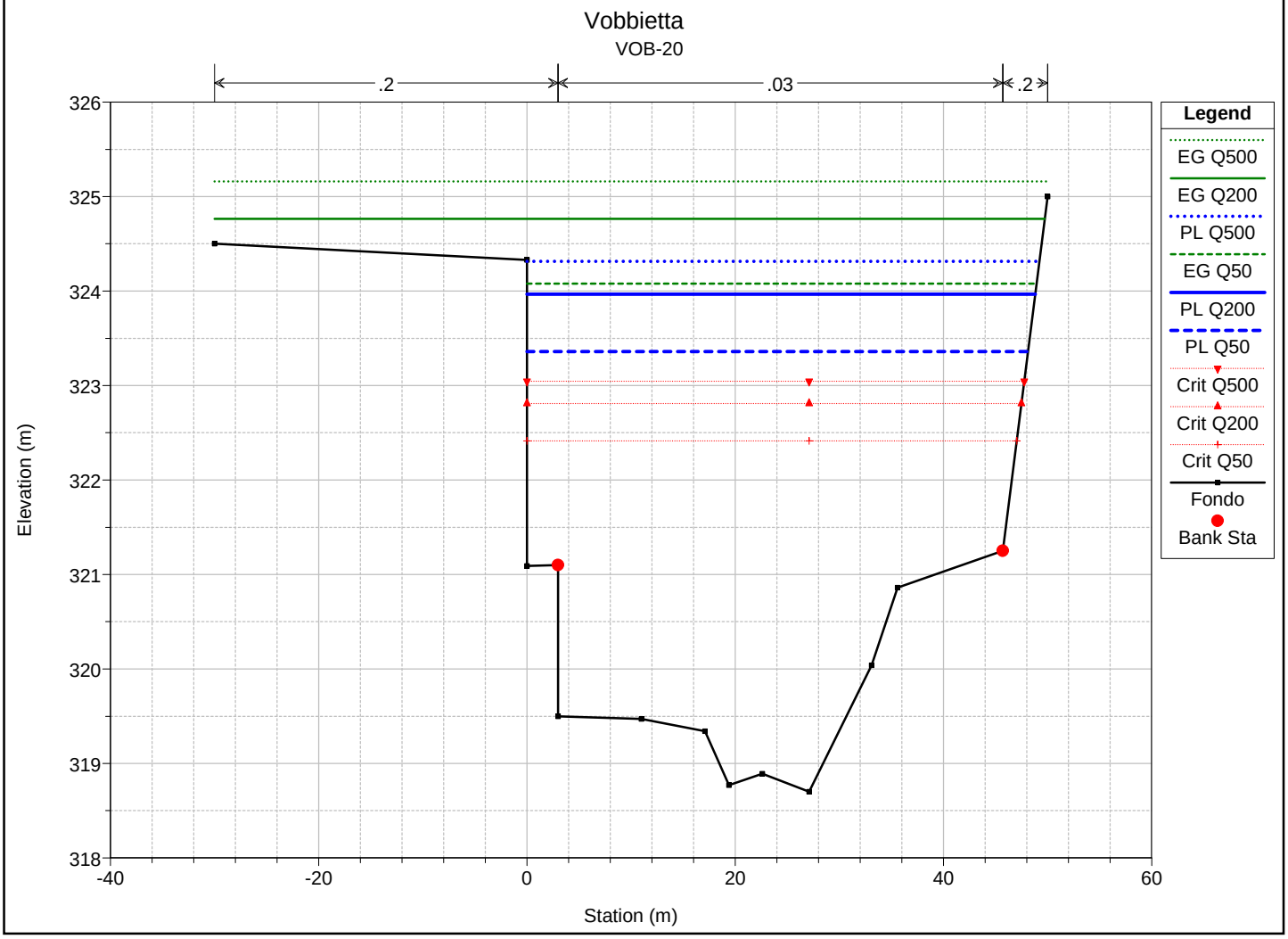
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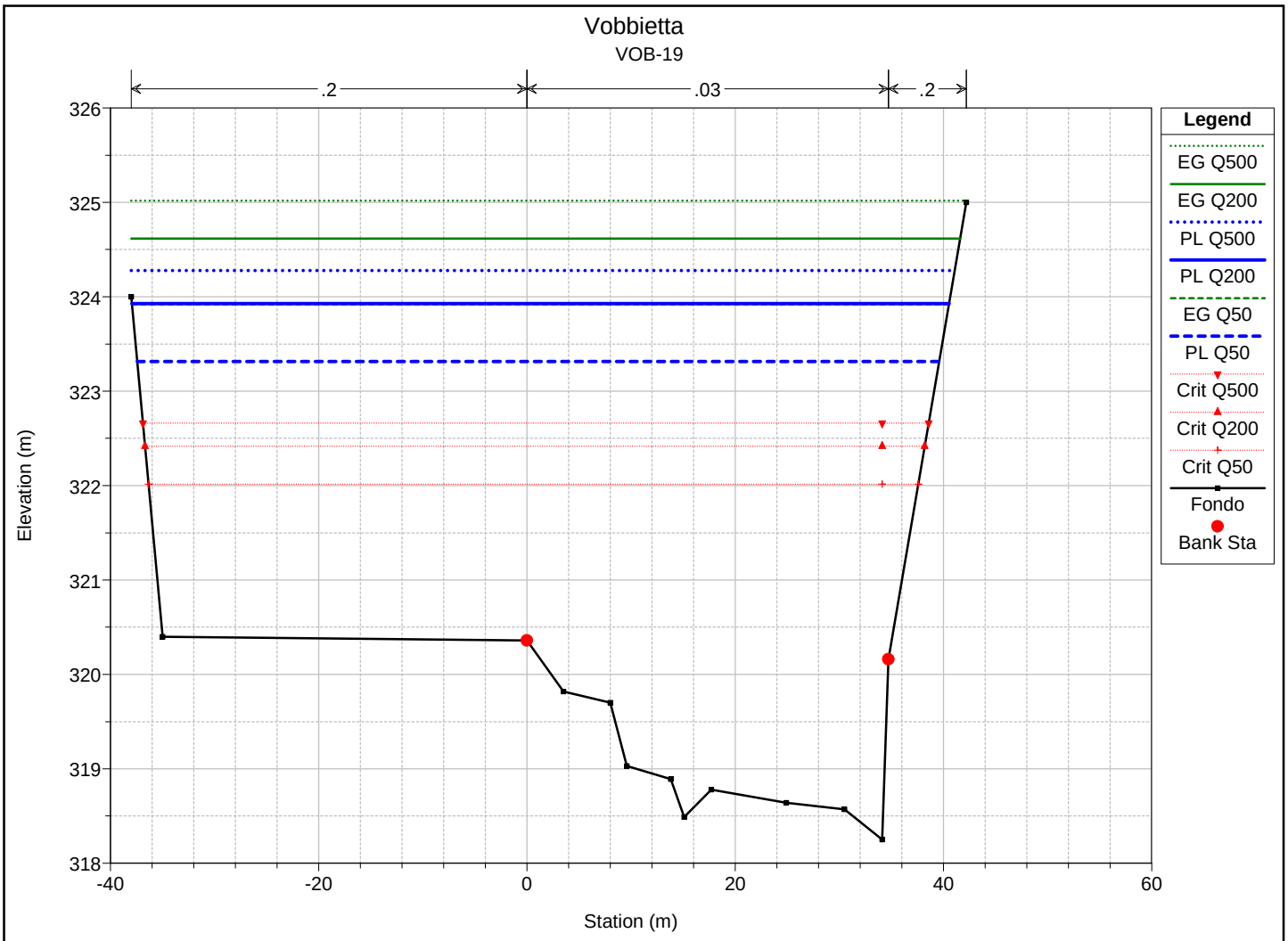


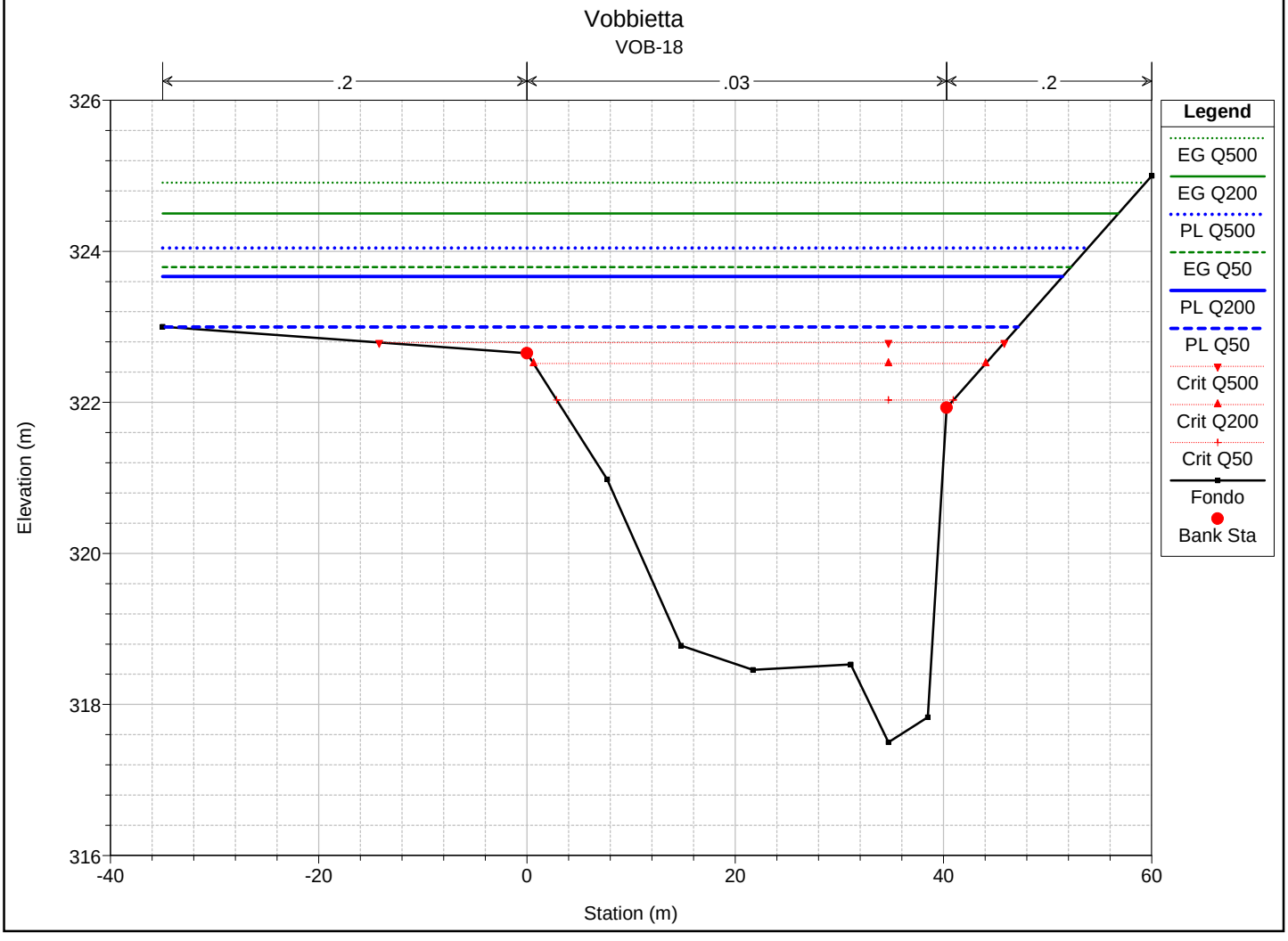

Vobbietta
VOB-21
.03
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q200
Crit Q500
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
327
326
325
324
323
322
321
320
319
0
10
20
30
40

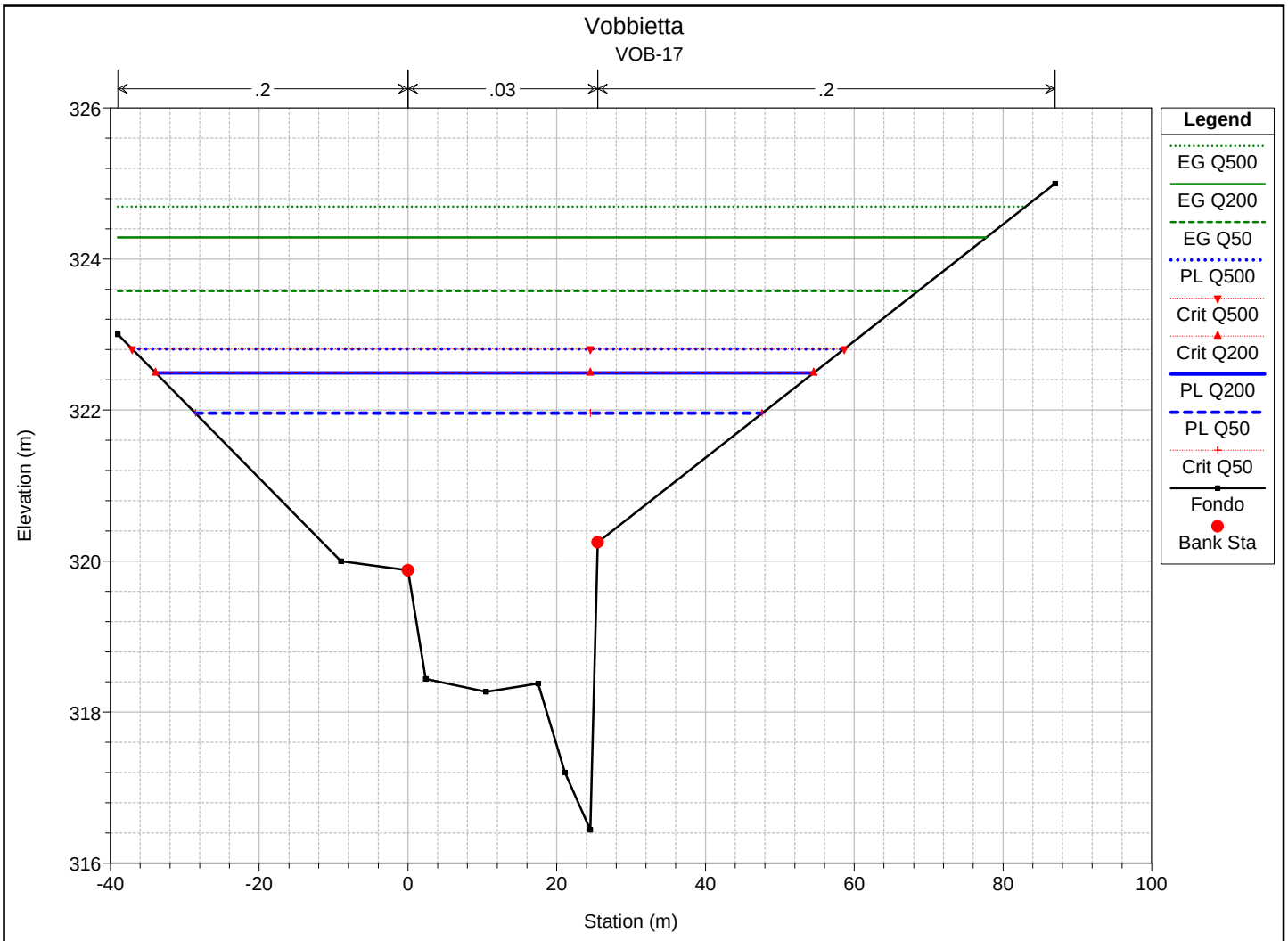

Vobbietta
VOB-21
.03
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q200
Crit Q500
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
327
326
325
324
323
322
321
320
319
0
10
20
30
40

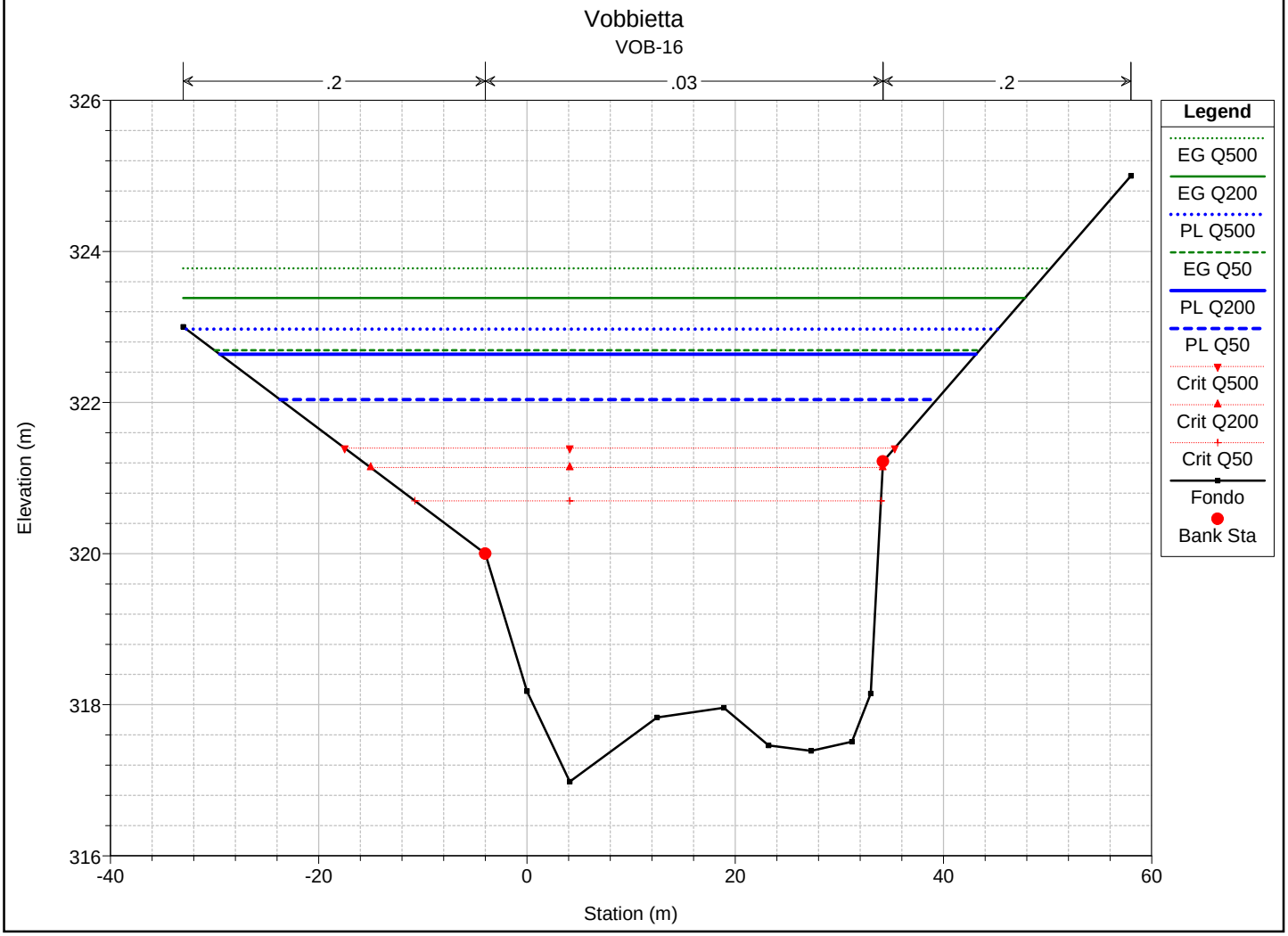

Vobbietta
VOB-21
.03
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
Crit Q500
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
326
325
324
323
322
321
320
319
0
10
20
30
40

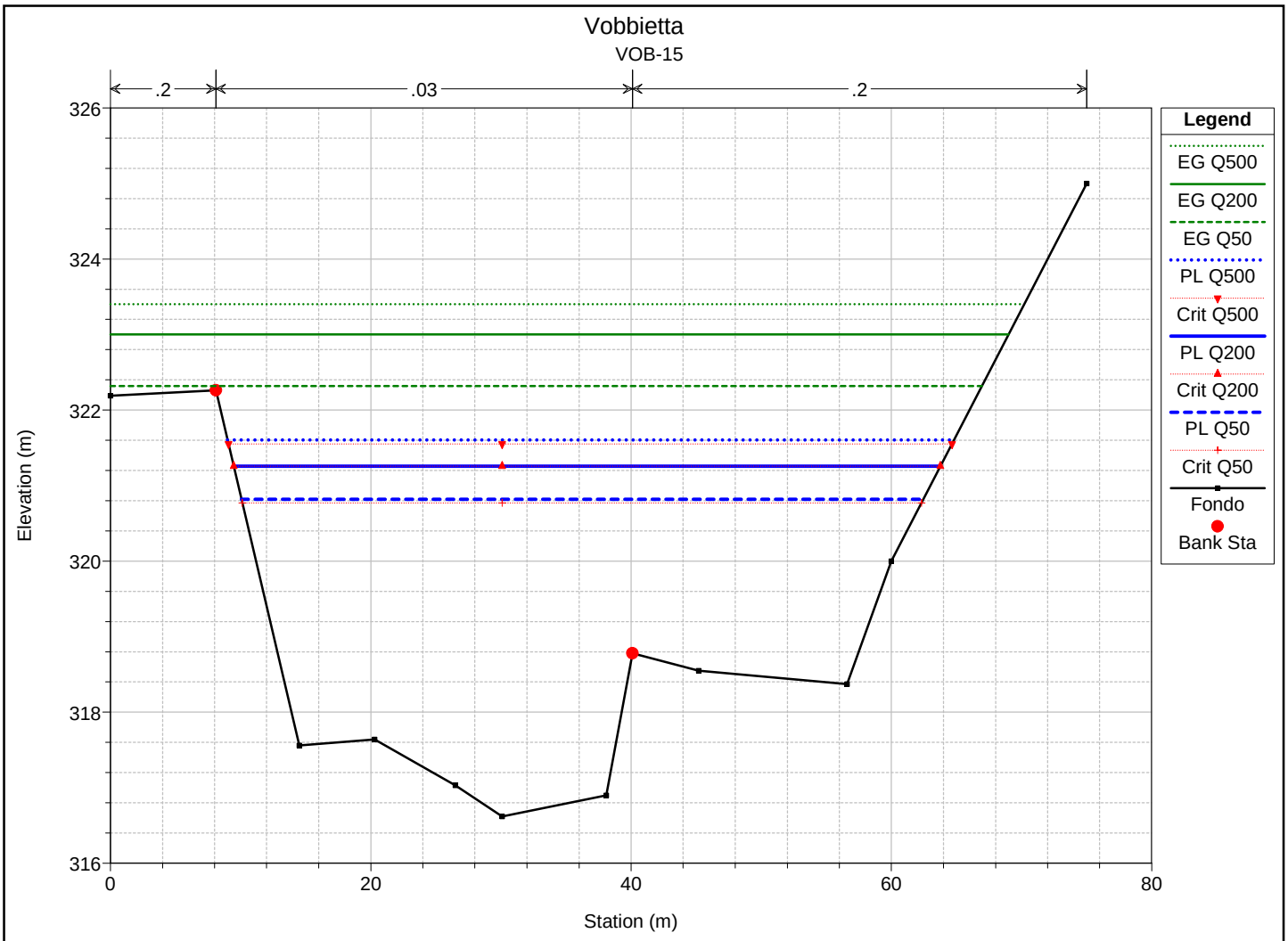

Vobbietta
VOB-20
.2
.03
.2
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
326
325
324
323
322
321
320
319
318
-40
-20
0
20
40
60

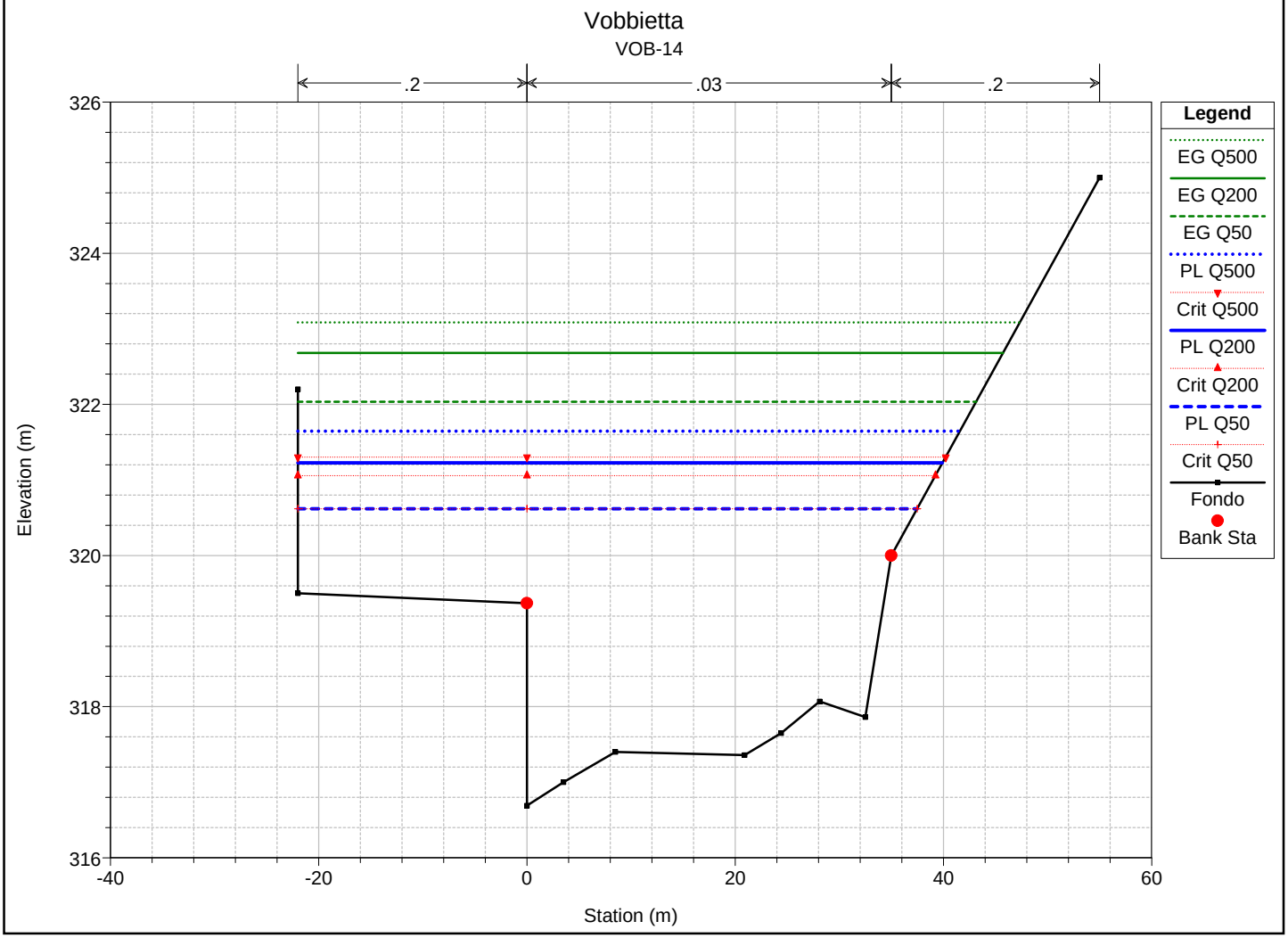

Vobbietta
VOB-19
.2
.03
.2
326
325
324
323
322
321
320
319
318
-40
-20
0
20
40
60
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-18
.2
.03
.2
326
324
322
320
318
316
-40
-20
0
20
40
60
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-17
.2
.03
.2
326
324
322
320
318
316
Elevation (m)
-40
-20
0
20
40
60
80
100
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

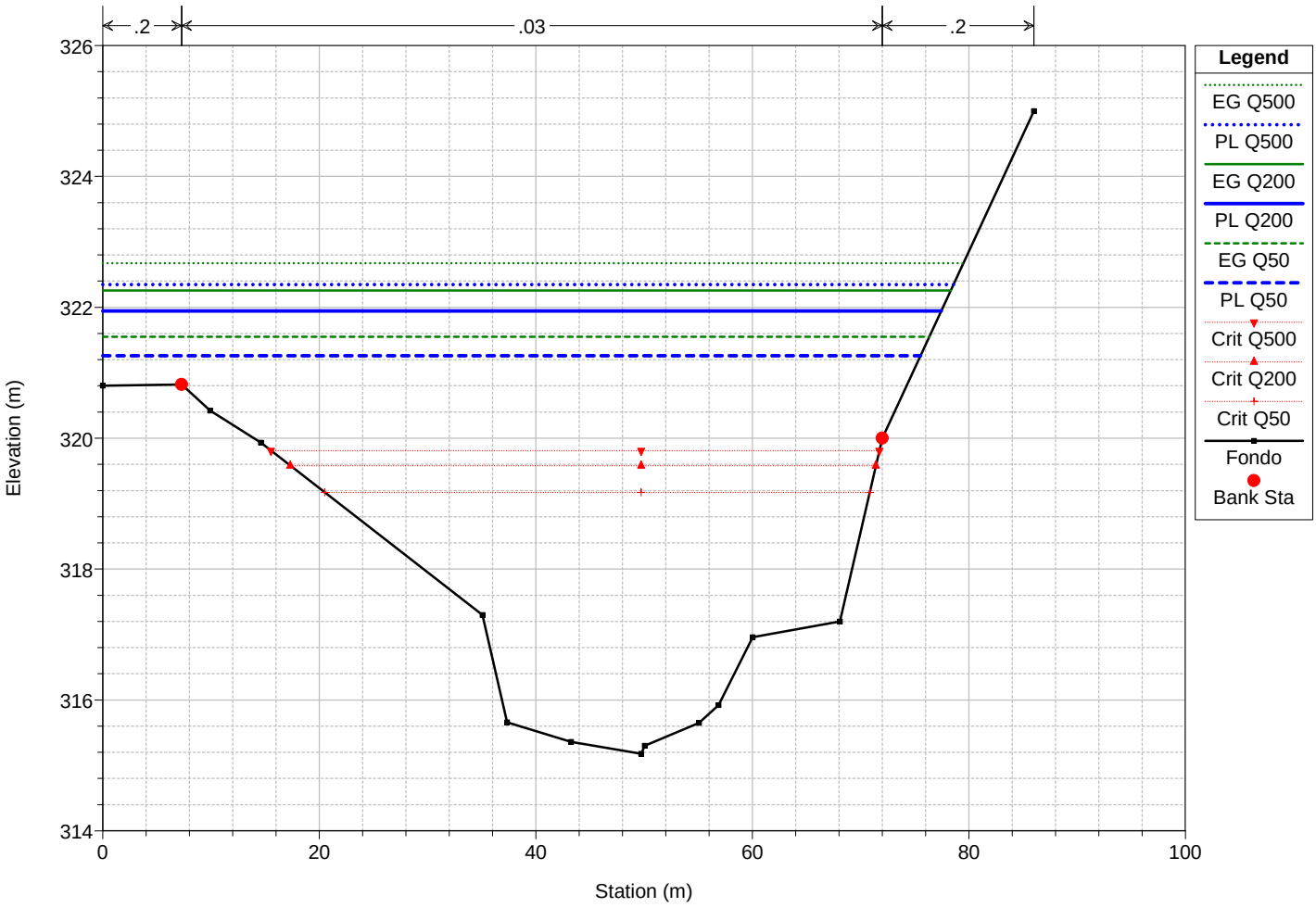

Vobbietta
VOB-16
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.03
.2
326
324
322
320
318
316
Elevation (m)
-40
-20
0
20
40
60
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-15
.2
.03
.2
326
324
322
320
318
316
0
20
40
60
80
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-14
.2
.03
.2
326
324
322
320
318
316
-40
-20
0
20
40
60
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta

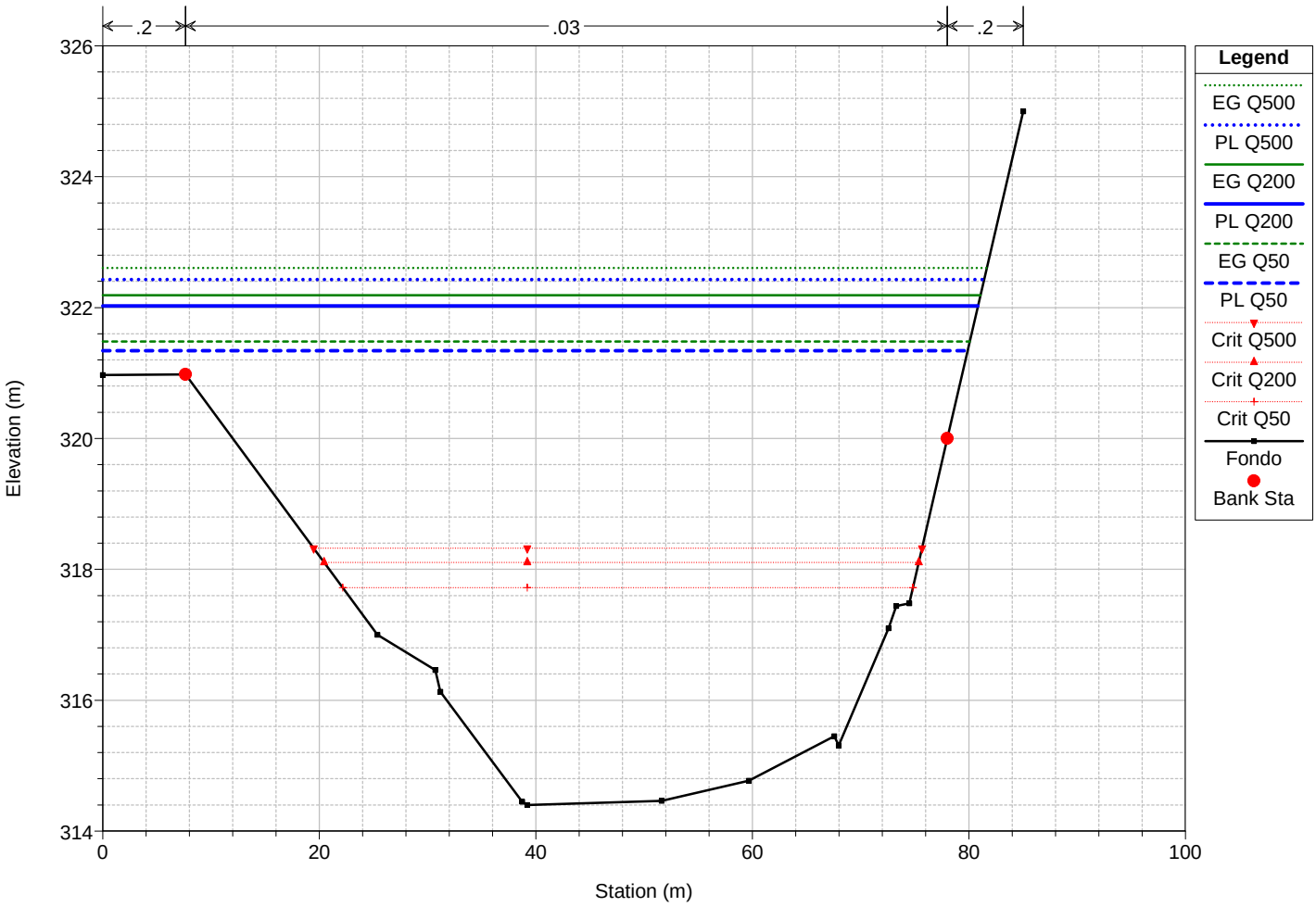
Vobbietta

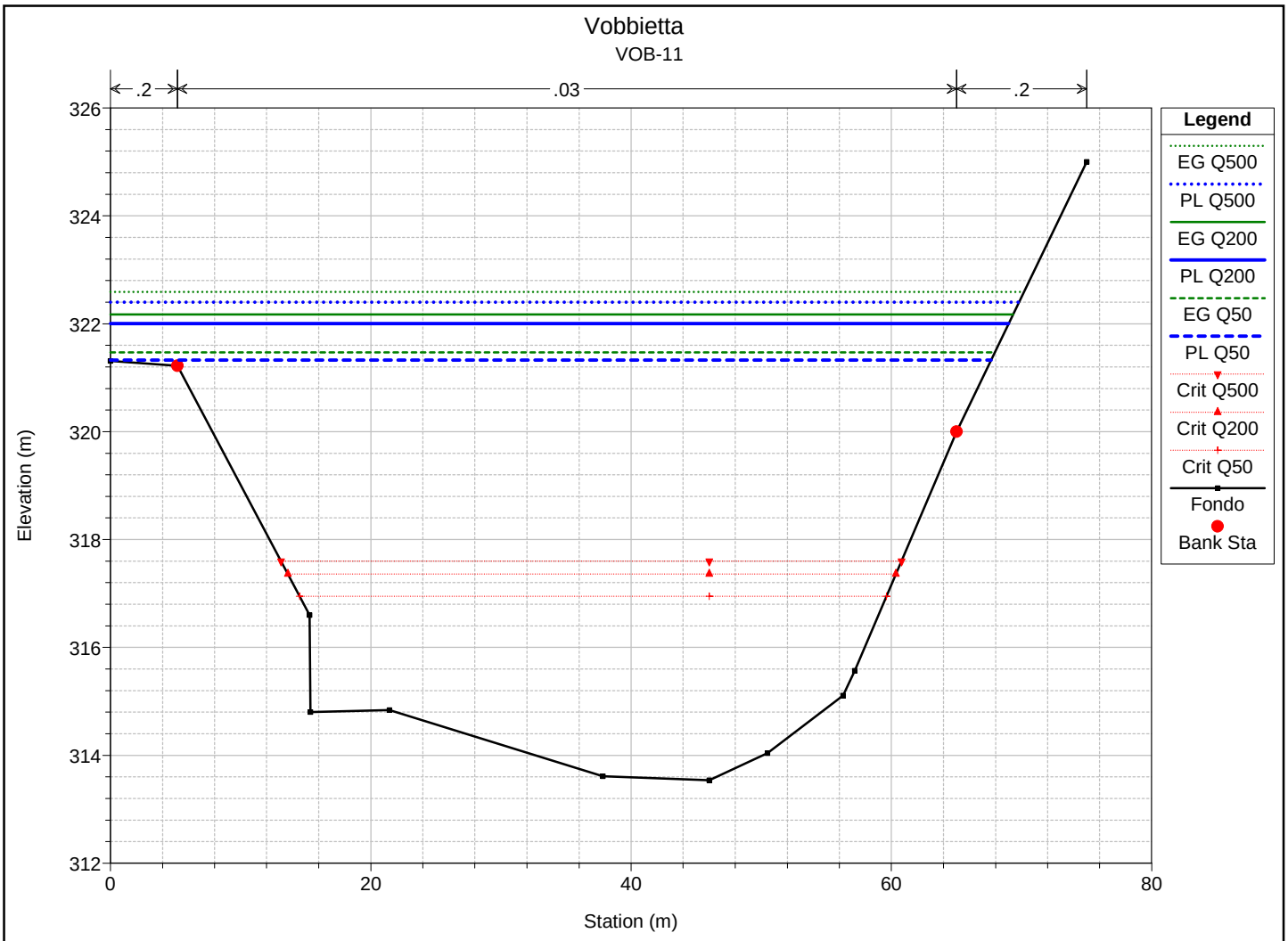
VOB-13

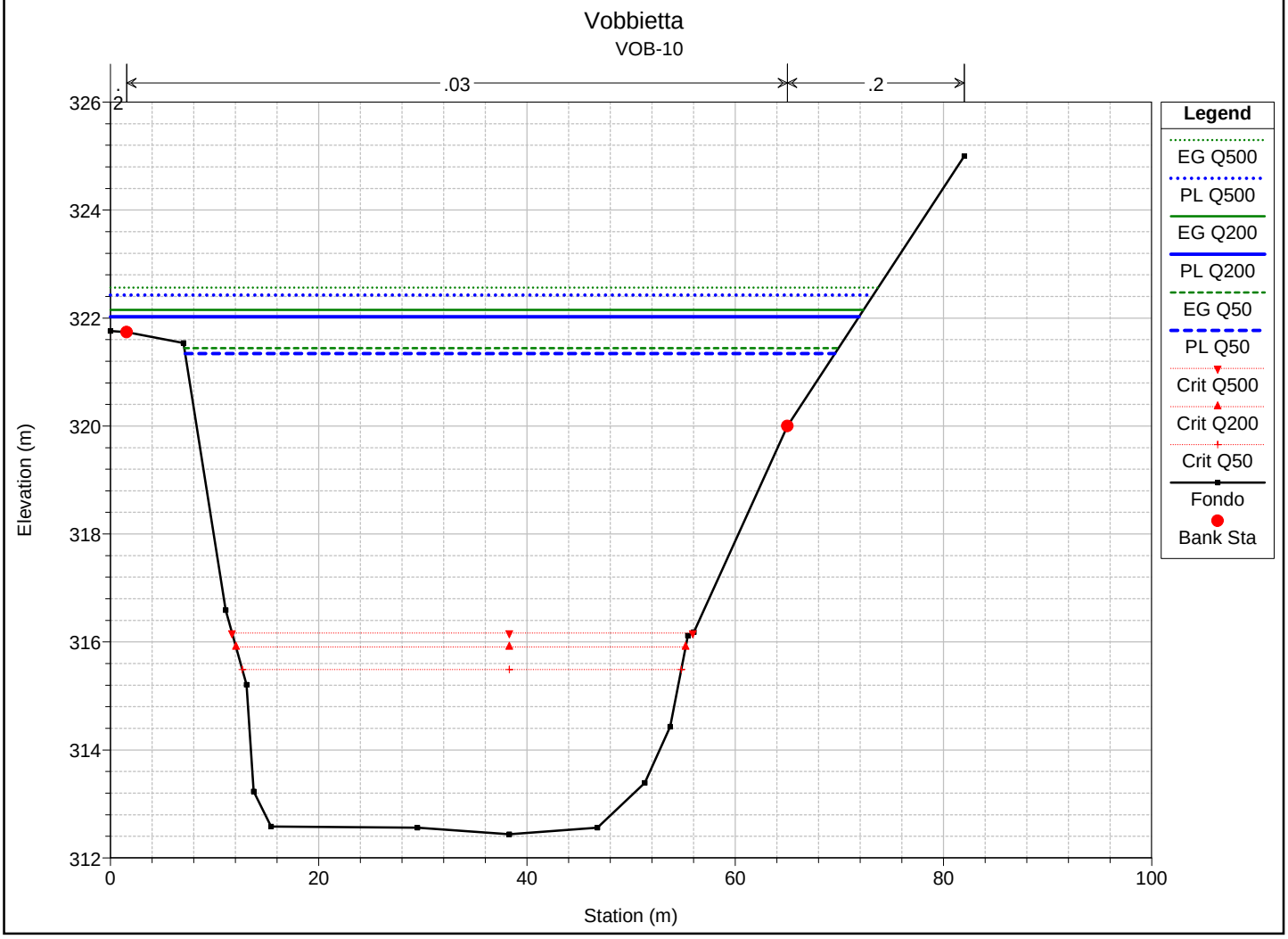


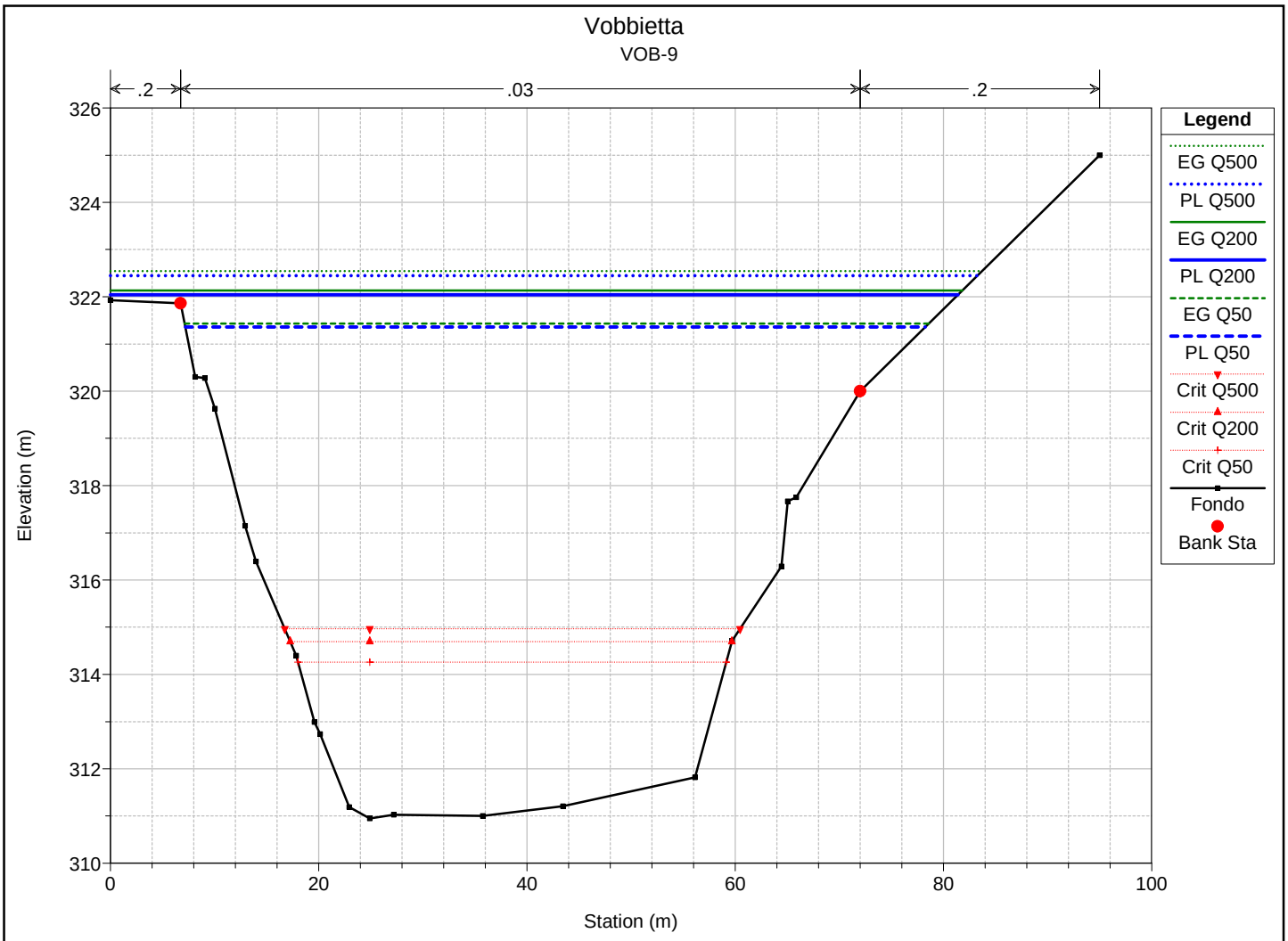
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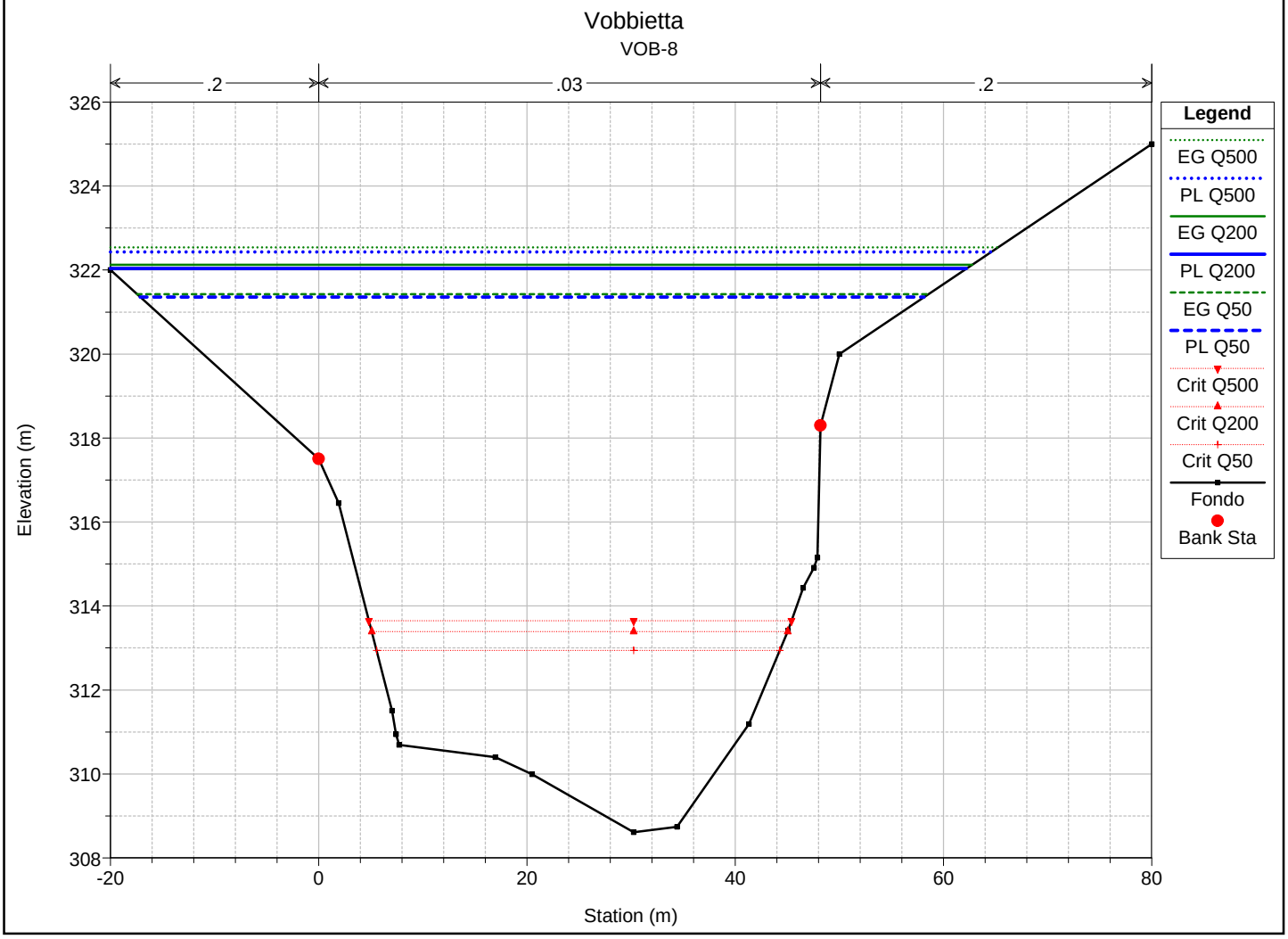
VOB-12

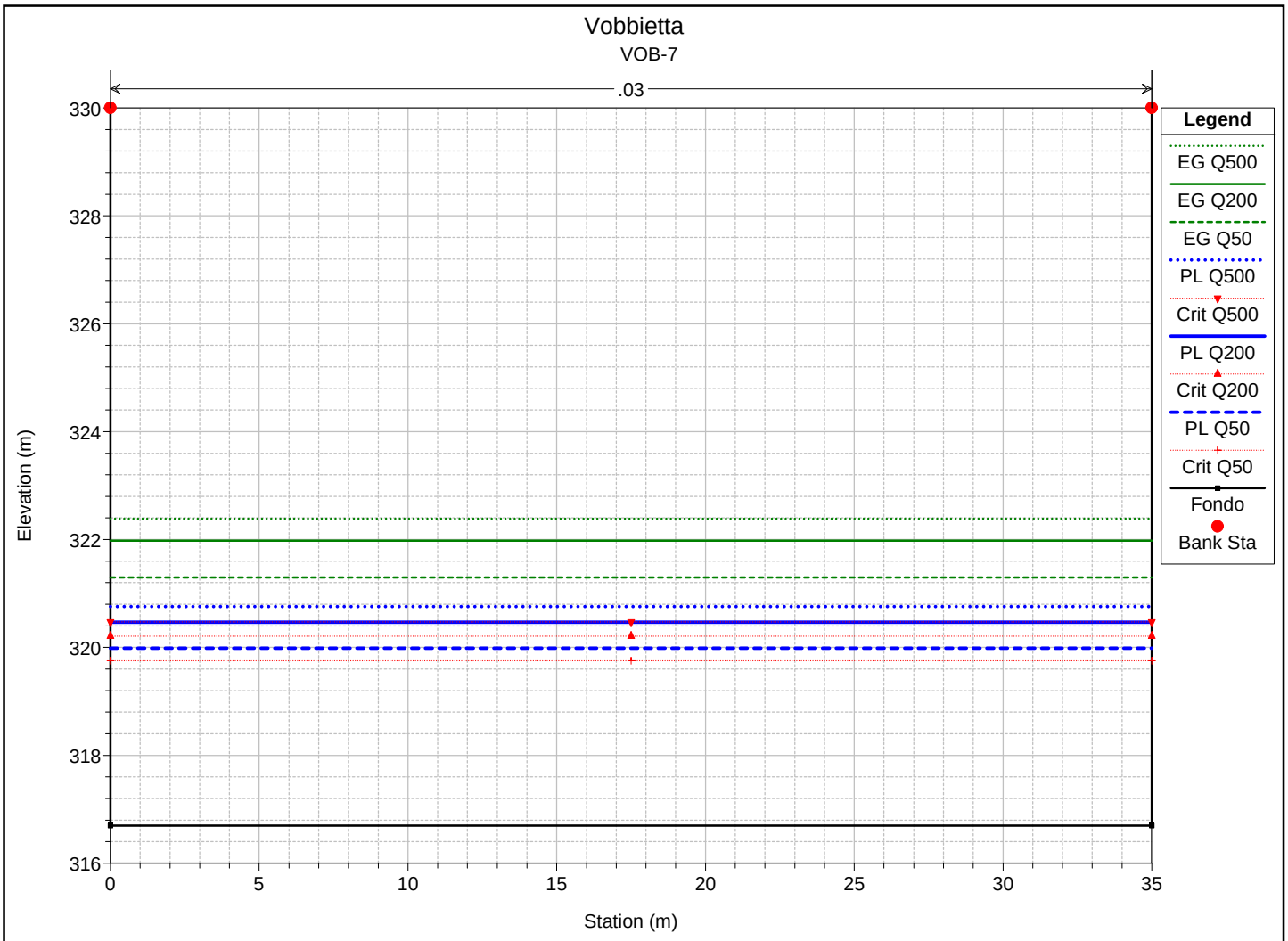


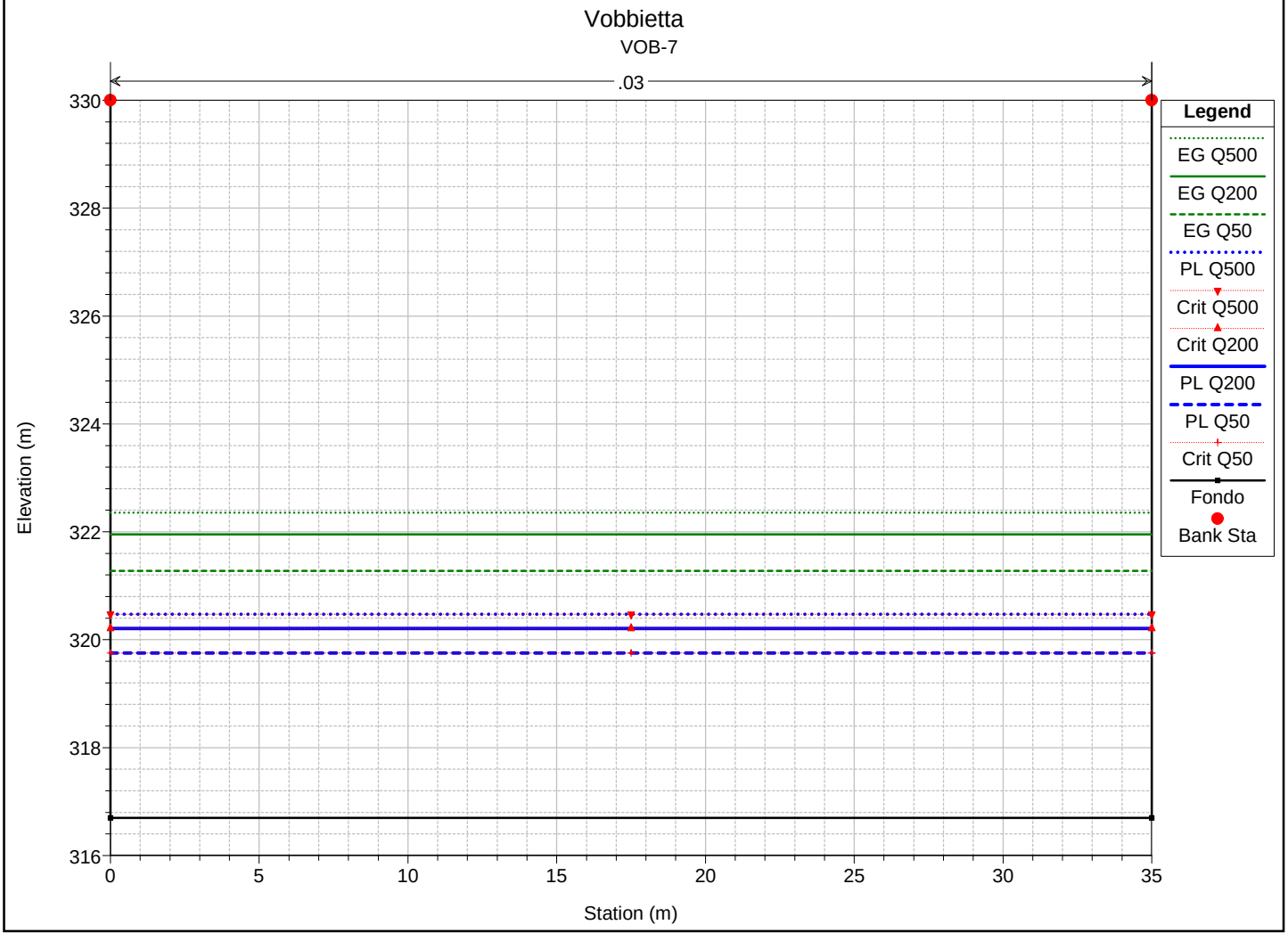

Vobbietta
VOB-11
.2
.03
.2
326
324
322
320
318
316
314
312
Elevation (m)
0
20
40
60
80
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-10
.2
.03
.2
326
324
322
320
318
316
314
312
Elevation (m)
0
20
40
60
80
100
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-9
.2
.03
.2
326
324
322
320
318
316
314
312
310
Elevation (m)
0
20
40
60
80
100
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-8
.2
.03
.2
326
324
322
320
318
316
314
312
310
308
Elevation (m)
-20
0
20
40
60
80
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-7
.03
330
328
326
324
322
320
318
316
0
5
10
15
20
25
30
35
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
PL Q200
Crit Q200
PL Q50
Crit Q50
Fondo
Bank Sta


Vobbietta
VOB-7
.03
330
328
326
324
322
320
318
316
0
5
10
15
20
25
30
35
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

HEC-RAS Plan: PdB2011 River: Vobbietta Reach: unico

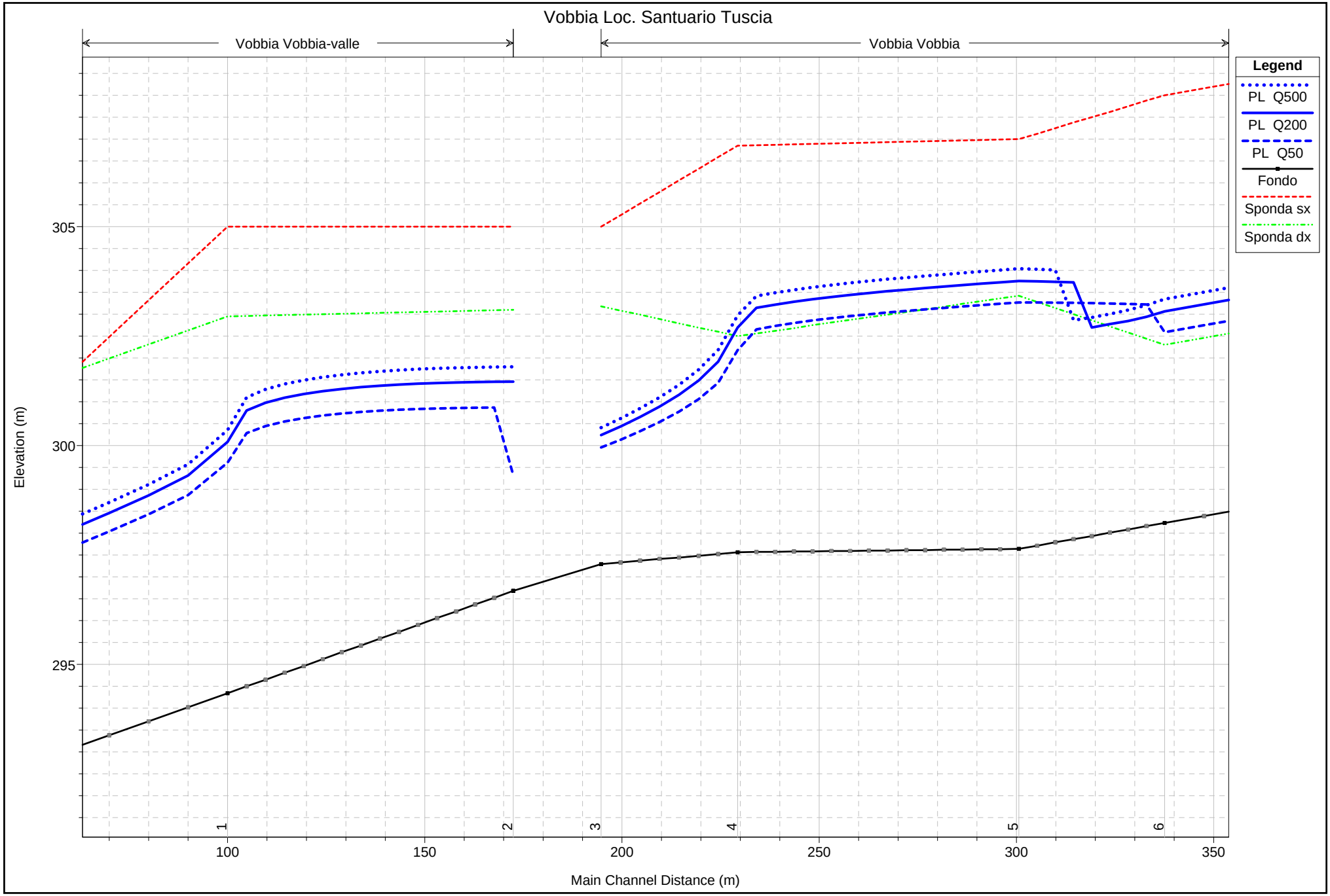
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
unico	130 VOB-26	Q50	584.00	323.34	328.45	325.90	-2.55	328.90	0.45	327.22	329.22	0.002161	3.91	179.02	59.38	0.60
unico	130 VOB-26	Q200	719.00	323.34	329.17	325.90	-3.27	328.90	-0.27	327.71	330.00	0.001982	4.08	224.23	66.88	0.59
unico	130 VOB-26	Q500	803.00	323.34	329.57	325.90	-3.67	328.90	-0.67	328.00	330.45	0.001908	4.19	252.16	70.84	0.58
unico	120 VOB-25	Q50	584.00	322.61	328.51	325.46	-3.05	328.90	0.39	326.85	329.14	0.001600	3.54	206.70	64.21	0.52
unico	120 VOB-25	Q200	719.00	322.61	329.23	325.46	-3.77	328.90	-0.33	327.35	329.92	0.001525	3.75	255.22	71.52	0.52
unico	120 VOB-25	Q500	803.00	322.61	329.63	325.46	-4.17	328.90	-0.73	327.62	330.37	0.001496	3.87	285.03	75.45	0.52
unico	110 VOB-24	Q50	584.00	321.34	327.02	326.83	-0.19	330.00	2.98	327.02	328.82	0.007329	5.94	98.51	29.77	1.00
unico	110 VOB-24	Q200	719.00	321.34	327.64	326.83	-0.81	330.00	2.36	327.64	329.60	0.006829	6.22	119.54	38.69	0.99
unico	110 VOB-24	Q500	803.00	321.34	327.98	326.83	-1.15	330.00	2.02	327.98	330.05	0.006615	6.38	133.91	43.75	0.98
unico	100 VOB-23	Q50	584.00	320.12	325.06	323.20	-1.86	330.00	4.94	323.98	325.80	0.002460	3.82	164.63	45.39	0.62
unico	100 VOB-23	Q200	719.00	320.12	325.87	323.20	-2.67	330.00	4.13	324.42	326.63	0.002030	3.87	201.93	46.48	0.58
unico	100 VOB-23	Q500	803.00	320.12	326.34	323.20	-3.14	330.00	3.66	324.67	327.11	0.001866	3.92	223.75	47.10	0.56
unico	90 VOB-22	Q50	584.00	320.09	324.59	323.10	-1.49	324.03	-0.56	323.81	325.66	0.003553	4.58	134.27	35.00	0.72
unico	90 VOB-22	Q200	719.00	320.09	325.35	323.10	-2.25	324.03	-1.32	324.30	326.50	0.003133	4.75	160.88	35.00	0.69
unico	90 VOB-22	Q500	803.00	320.09	325.77	323.10	-2.67	324.03	-1.74	324.59	326.98	0.003008	4.88	175.55	35.00	0.68
unico	81 VOB-21	Q50	584.00	319.31	324.81	324.00	-0.81	323.50	-1.31	322.94	325.32	0.001381	3.16	184.69	39.50	0.47
unico	81 VOB-21	Q200	719.00	319.31	325.60	324.00	-1.60	323.50	-2.10	323.37	326.17	0.001301	3.33	215.95	39.50	0.45
unico	81 VOB-21	Q500	803.00	319.31	326.04	324.00	-2.04	323.50	-2.54	323.62	326.64	0.001285	3.44	233.34	39.50	0.45
unico	80 VOB-21		Bridge													
unico	79 VOB-21	Q50	584.00	319.31	323.35	324.00	0.65	323.50	0.15	322.94	324.43	0.004394	4.60	127.07	39.39	0.82
unico	79 VOB-21	Q200	719.00	319.31	323.92	324.00	0.08	323.50	-0.42	323.37	325.10	0.004017	4.81	149.46	39.49	0.79
unico	79 VOB-21	Q500	803.00	319.31	324.24	324.00	-0.24	323.50	-0.74	323.62	325.49	0.003877	4.94	162.39	39.50	0.78
unico	70 VOB-20	Q50	584.00	318.70	323.36	321.10	-2.26	321.25	-2.11	322.41	324.08	0.002433	3.76	163.91	48.12	0.63
unico	70 VOB-20	Q200	719.00	318.70	323.97	321.10	-2.87	321.25	-2.72	322.81	324.76	0.002197	3.96	193.34	48.82	0.62
unico	70 VOB-20	Q500	803.00	318.70	324.31	321.10	-3.21	321.25	-3.06	323.04	325.16	0.002105	4.09	210.33	49.21	0.61
unico	60 VOB-19	Q50	584.00	318.25	323.31	320.36	-2.95	320.16	-3.15	322.02	323.92	0.001766	3.60	263.59	77.01	0.55
unico	60 VOB-19	Q200	719.00	318.25	323.93	320.36	-3.57	320.16	-3.77	322.42	324.62	0.001690	3.84	311.32	78.48	0.55
unico	60 VOB-19	Q500	803.00	318.25	324.28	320.36	-3.92	320.16	-4.12	322.66	325.02	0.001663	3.99	338.87	79.08	0.55
unico	50 VOB-18	Q50	584.00	317.50	323.00	322.65	-0.35	321.93	-1.07	322.03	323.79	0.002767	3.95	157.27	81.90	0.66
unico	50 VOB-18	Q200	719.00	317.50	323.67	322.65	-1.02	321.93	-1.74	322.51	324.50	0.002354	4.07	213.55	86.43	0.62
unico	50 VOB-18	Q500	803.00	317.50	324.04	322.65	-1.39	321.93	-2.11	322.79	324.91	0.002189	4.15	246.79	88.87	0.61
unico	40 VOB-17	Q50	584.00	316.44	321.96	319.88	-2.08	320.25	-1.71	321.96	323.58	0.005947	5.75	153.65	76.20	0.94
unico	40 VOB-17	Q200	719.00	316.44	322.49	319.88	-2.61	320.25	-2.24	322.49	324.29	0.005630	6.11	197.71	88.48	0.93
unico	40 VOB-17	Q500	803.00	316.44	322.81	319.88	-2.93	320.25	-2.56	322.81	324.69	0.005444	6.29	226.84	95.74	0.93
unico	30 VOB-16	Q50	584.00	316.98	322.04	320.00	-2.04	321.22	-0.82	320.70	322.69	0.001870	3.59	183.58	63.07	0.56
unico	30 VOB-16	Q200	719.00	316.98	322.64	320.00	-2.64	321.22	-1.42	321.14	323.38	0.001801	3.85	224.28	72.65	0.56
unico	30 VOB-16	Q500	803.00	316.98	322.97	320.00	-2.97	321.22	-1.75	321.40	323.78	0.001787	4.01	249.23	77.94	0.56
unico	20 VOB-15	Q50	584.00	316.62	320.82	322.26	1.44	318.78	-2.04	320.77	322.32	0.006039	5.56	144.66	52.39	0.97
unico	20 VOB-15	Q200	719.00	316.62	321.26	322.26	1.00	318.78	-2.48	321.26	323.00	0.006152	6.00	168.18	54.31	1.00

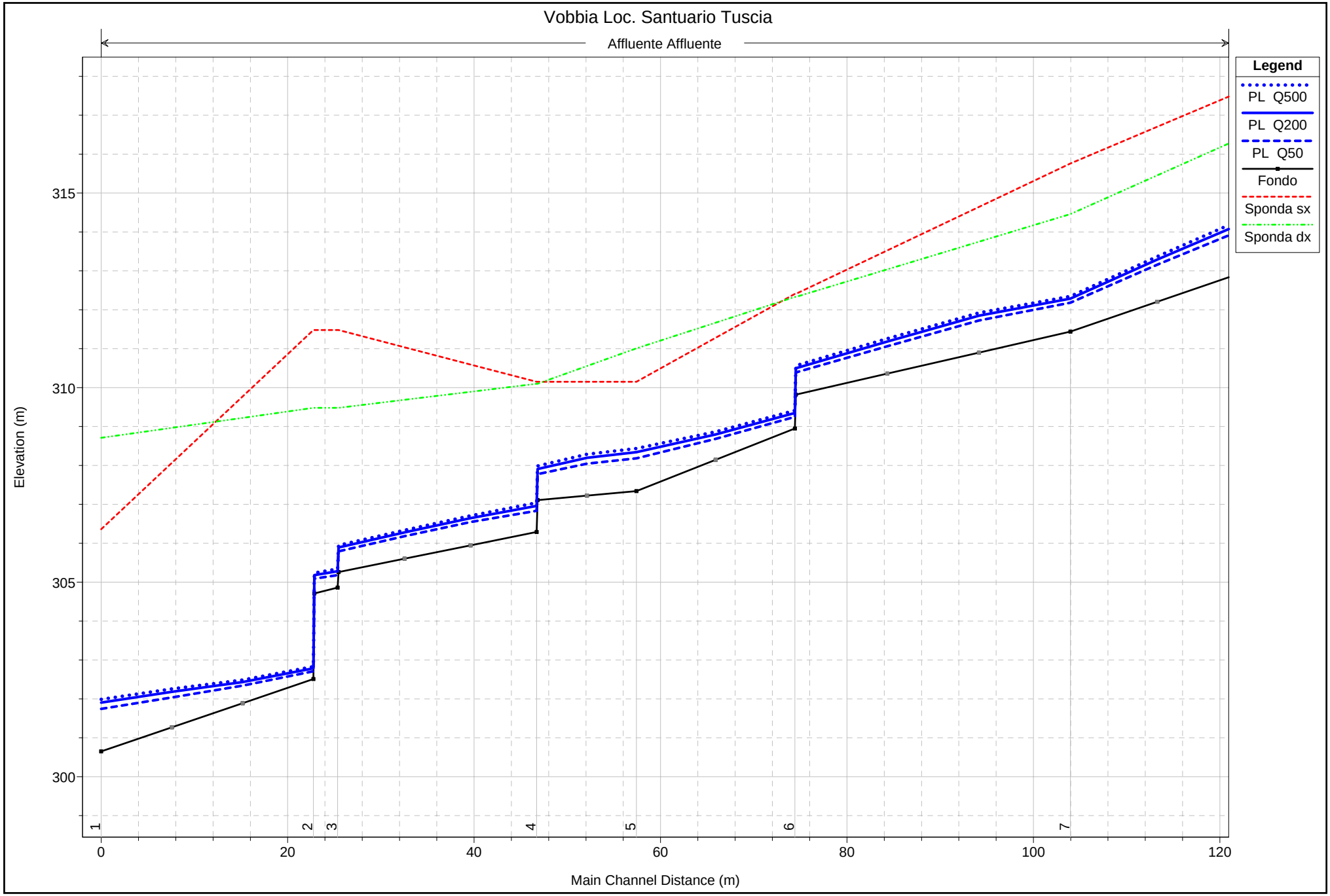
HEC-RAS Plan: PdB2011 River: Vobbietta Reach: unico (Continued)

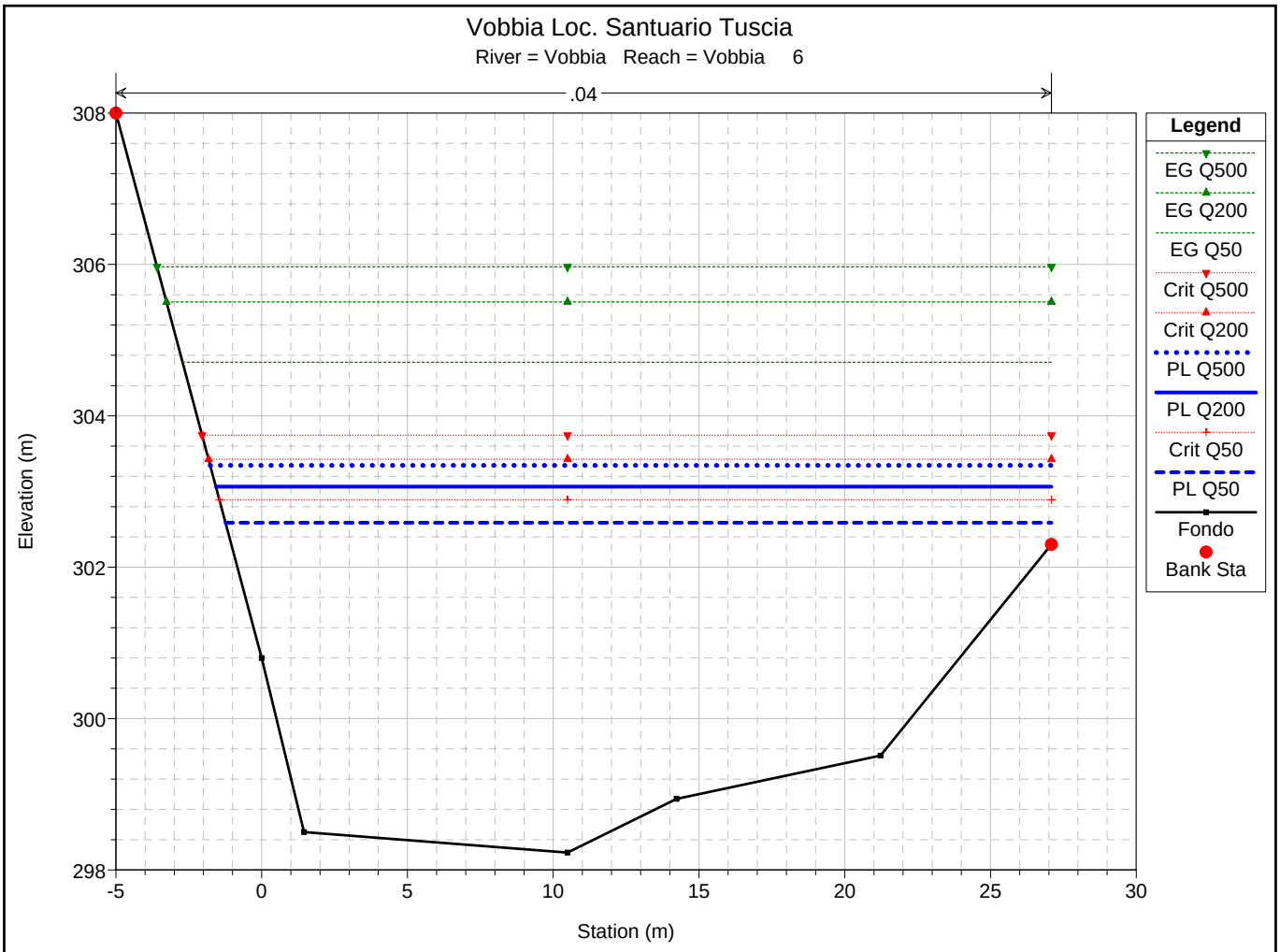
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
unico	20 VOB-15	Q500	803.00	316.62	321.60	322.26	0.66	318.78	-2.82	321.55	323.40	0.005784	6.11	187.19	55.82	0.98
unico	10 VOB-14	Q50	584.00	316.69	320.62	319.37	-1.25	320.00	-0.62	320.62	322.04	0.006513	5.33	134.23	59.47	0.97
unico	10 VOB-14	Q200	719.00	316.69	321.23	319.37	-1.86	320.00	-1.23	321.06	322.68	0.005303	5.42	171.12	61.90	0.90
unico	10 VOB-14	Q500	803.00	316.69	321.65	319.37	-2.28	320.00	-1.65	321.30	323.08	0.004563	5.41	197.44	63.58	0.85
unico	9 VOB-13	Q50	584.00	315.18	321.26	320.82	-0.44	320.00	-1.26	319.17	321.55	0.000902	2.38	250.27	75.53	0.39
unico	9 VOB-13	Q200	719.00	315.18	321.94	320.82	-1.12	320.00	-1.94	319.58	322.26	0.000784	2.48	302.49	77.44	0.37
unico	9 VOB-13	Q500	803.00	315.18	322.35	320.82	-1.53	320.00	-2.35	319.81	322.67	0.000731	2.54	333.95	78.57	0.37
unico	8 VOB-12	Q50	584.00	314.40	321.34	320.98	-0.36	320.00	-1.34	317.72	321.48	0.000308	1.67	353.48	79.88	0.24
unico	8 VOB-12	Q200	719.00	314.40	322.02	320.98	-1.04	320.00	-2.02	318.10	322.19	0.000303	1.81	408.45	80.83	0.24
unico	8 VOB-12	Q500	803.00	314.40	322.43	320.98	-1.45	320.00	-2.43	318.32	322.61	0.000300	1.88	441.25	81.40	0.24
unico	7 VOB-11	Q50	584.00	313.54	321.33	321.22	-0.11	320.00	-1.33	316.95	321.47	0.000260	1.67	352.22	67.65	0.22
unico	7 VOB-11	Q200	719.00	313.54	322.00	321.22	-0.78	320.00	-2.00	317.36	322.17	0.000273	1.84	398.47	69.00	0.23
unico	7 VOB-11	Q500	803.00	313.54	322.40	321.22	-1.18	320.00	-2.40	317.60	322.59	0.000279	1.93	426.18	69.80	0.23
unico	6 VOB-10	Q50	584.00	312.44	321.34	321.74	0.40	320.00	-1.34	315.49	321.45	0.000148	1.41	417.09	62.40	0.17
unico	6 VOB-10	Q200	719.00	312.44	322.02	321.74	-0.28	320.00	-2.02	315.91	322.15	0.000183	1.58	462.83	71.88	0.19
unico	6 VOB-10	Q500	803.00	312.44	322.42	321.74	-0.68	320.00	-2.42	316.17	322.57	0.000190	1.67	491.95	73.24	0.19
unico	5 VOB-9	Q50	584.00	310.95	321.36	321.86	0.50	320.00	-1.36	314.26	321.43	0.000092	1.17	501.81	71.06	0.14
unico	5 VOB-9	Q200	719.00	310.95	322.04	321.86	-0.18	320.00	-2.04	314.70	322.13	0.000106	1.33	552.53	81.39	0.15
unico	5 VOB-9	Q500	803.00	310.95	322.44	321.86	-0.58	320.00	-2.44	314.96	322.55	0.000113	1.41	585.71	83.25	0.15
unico	4 VOB-8	Q50	584.00	308.61	321.36	317.50	-3.86	318.30	-3.06	312.94	321.43	0.000066	1.17	539.35	75.28	0.12
unico	4 VOB-8	Q200	719.00	308.61	322.03	317.50	-4.53	318.30	-3.73	313.39	322.13	0.000081	1.35	592.77	82.20	0.13
unico	4 VOB-8	Q500	803.00	308.61	322.43	317.50	-4.93	318.30	-4.13	313.65	322.54	0.000089	1.45	626.13	84.60	0.14
unico	3.1 VOB-7	Q50	584.00	316.70	319.99	330.00	10.01	330.00	10.01	319.75	321.30	0.005965	5.08	115.07	35.00	0.89
unico	3.1 VOB-7	Q200	719.00	316.70	320.47	330.00	9.53	330.00	9.53	320.21	321.98	0.005924	5.45	131.83	35.00	0.90
unico	3.1 VOB-7	Q500	803.00	316.70	320.76	330.00	9.24	330.00	9.24	320.47	322.39	0.005874	5.66	141.99	35.00	0.90
unico	3 VOB-7	Q50	584.00	316.70	319.75	330.00	10.25	330.00	10.25	319.75	321.27	0.007526	5.47	106.83	35.00	1.00
unico	3 VOB-7	Q200	719.00	316.70	320.21	330.00	9.79	330.00	9.79	320.21	321.96	0.007370	5.85	122.88	35.00	1.00
unico	3 VOB-7	Q500	803.00	316.70	320.47	330.00	9.53	330.00	9.53	320.47	322.36	0.007348	6.08	132.07	35.00	1.00

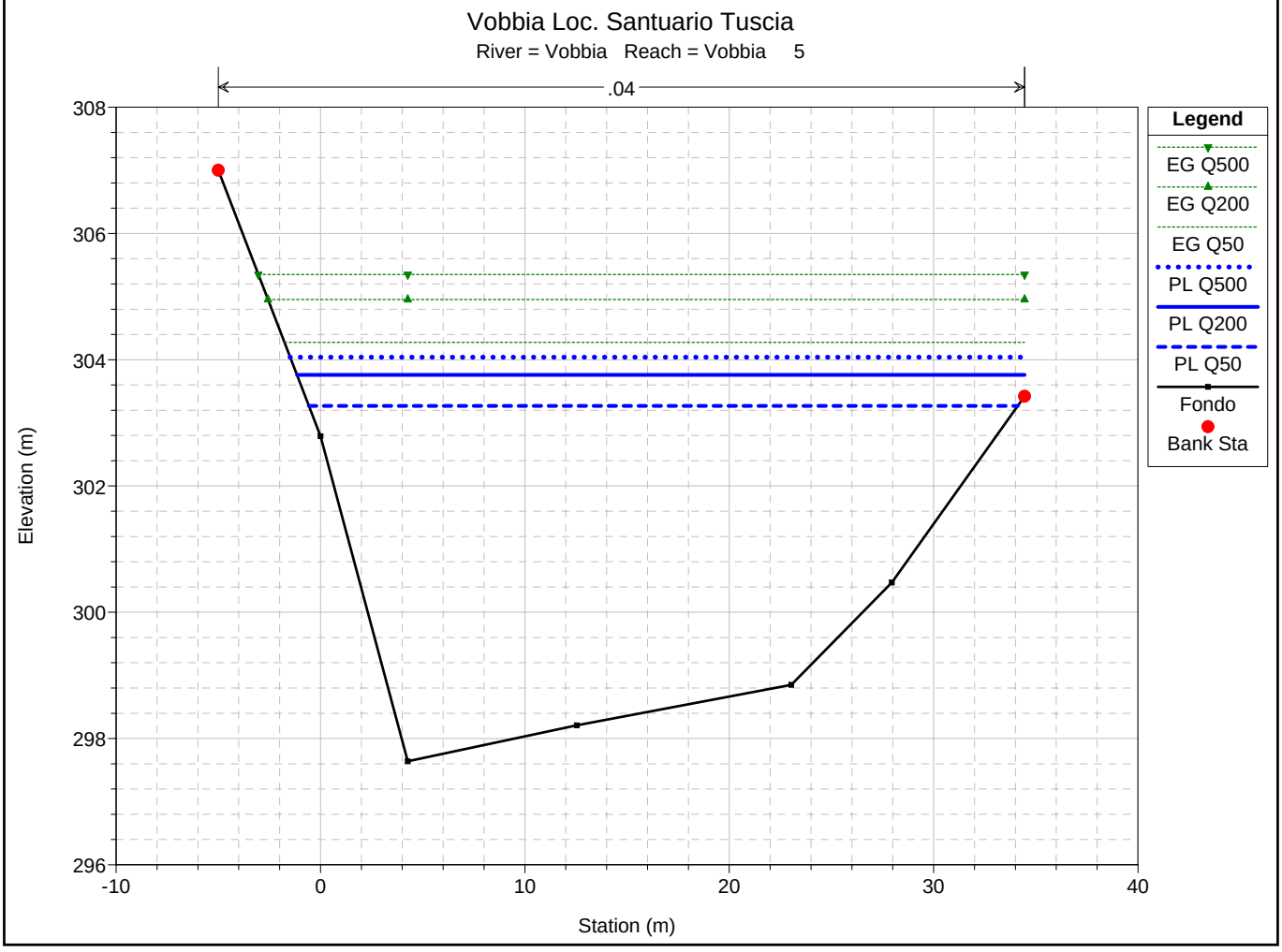
Torrente Vobbia (loc. Tuscia)

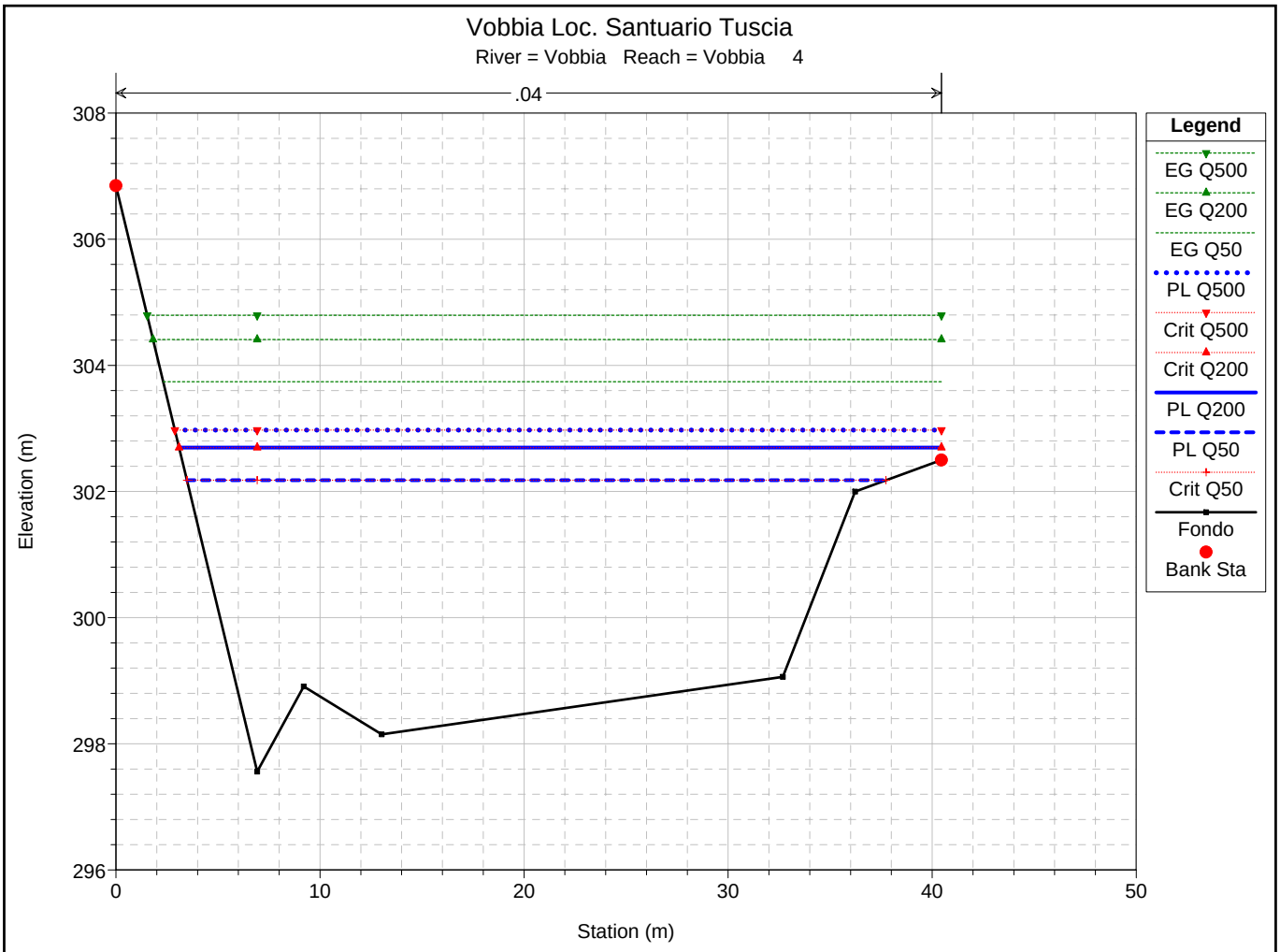
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

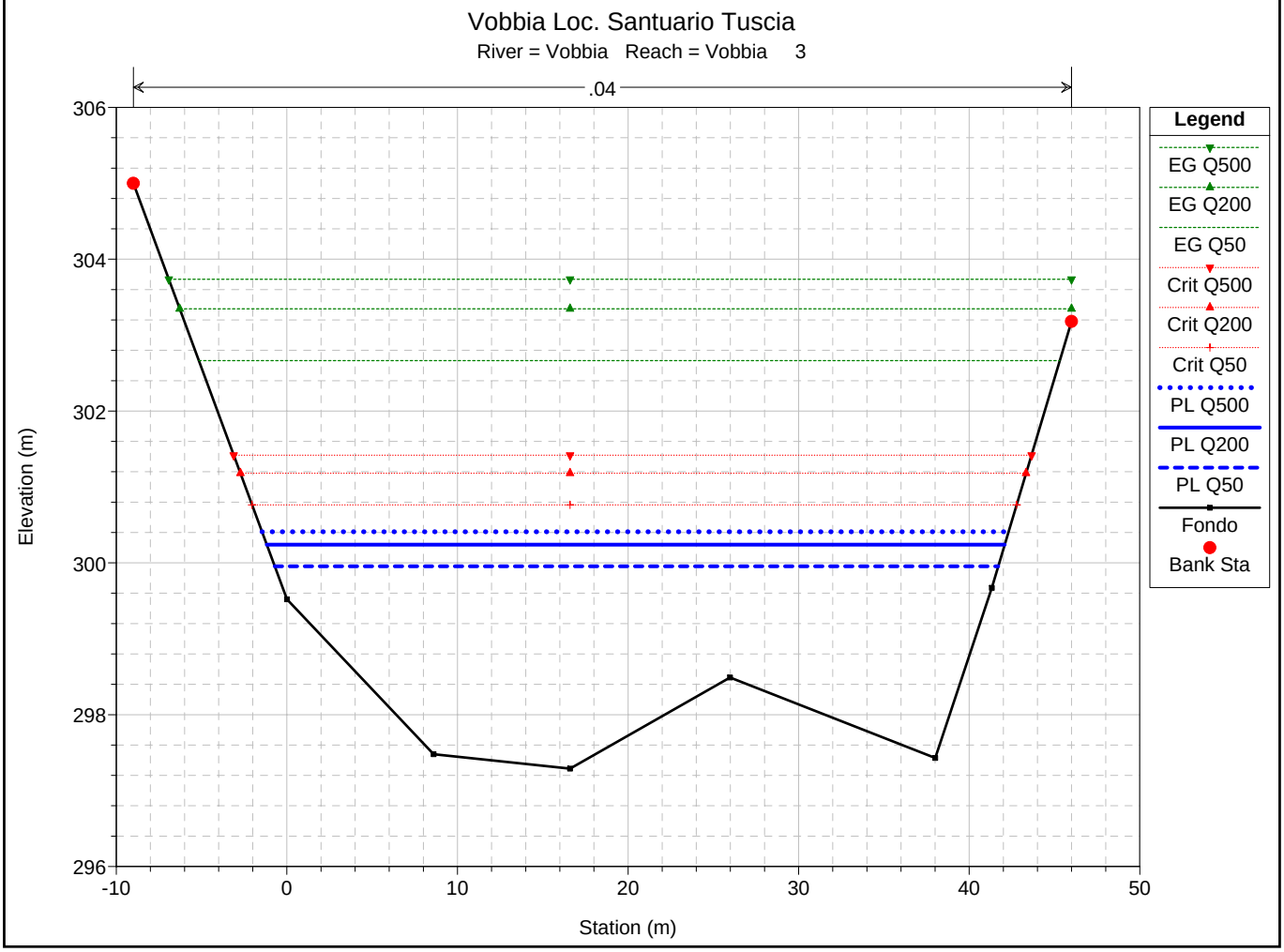

Vobbia Loc. Santuario Tuscia
Vobbia Vobbia-valle
Vobbia Vobbia
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
305
300
295
100
150
200
250
300
350
Main Channel Distance (m)
1
2
3
4
5
6

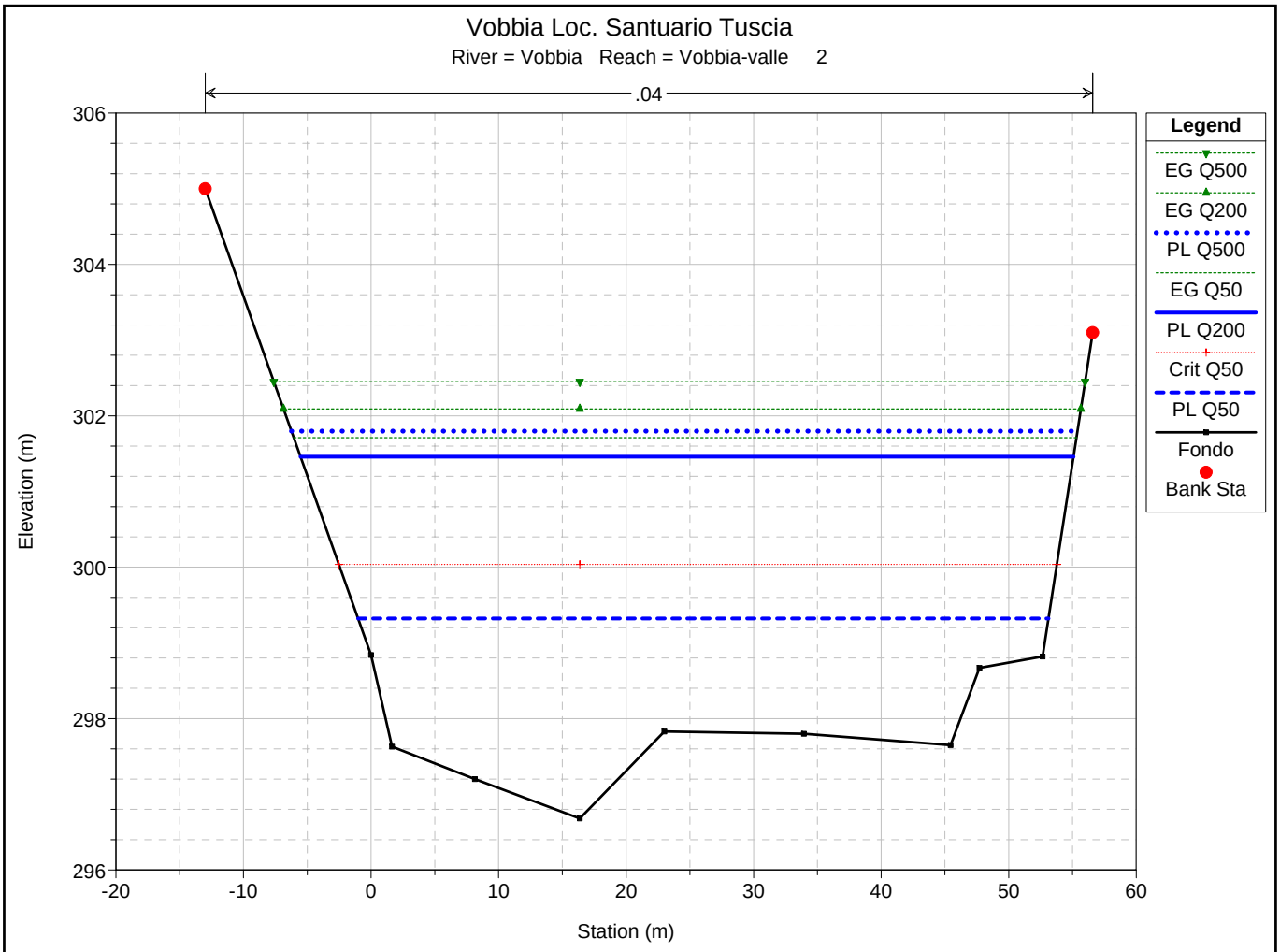

Vobbia Loc. Santuario Tuscia
Affluente Affluente
Legend
PL Q500
PL Q200
PL Q50
Fondo
Sponda sx
Sponda dx
Elevation (m)
315
310
305
300
0
20
40
60
80
100
120
Main Channel Distance (m)
1
2
3
4
5
6
7

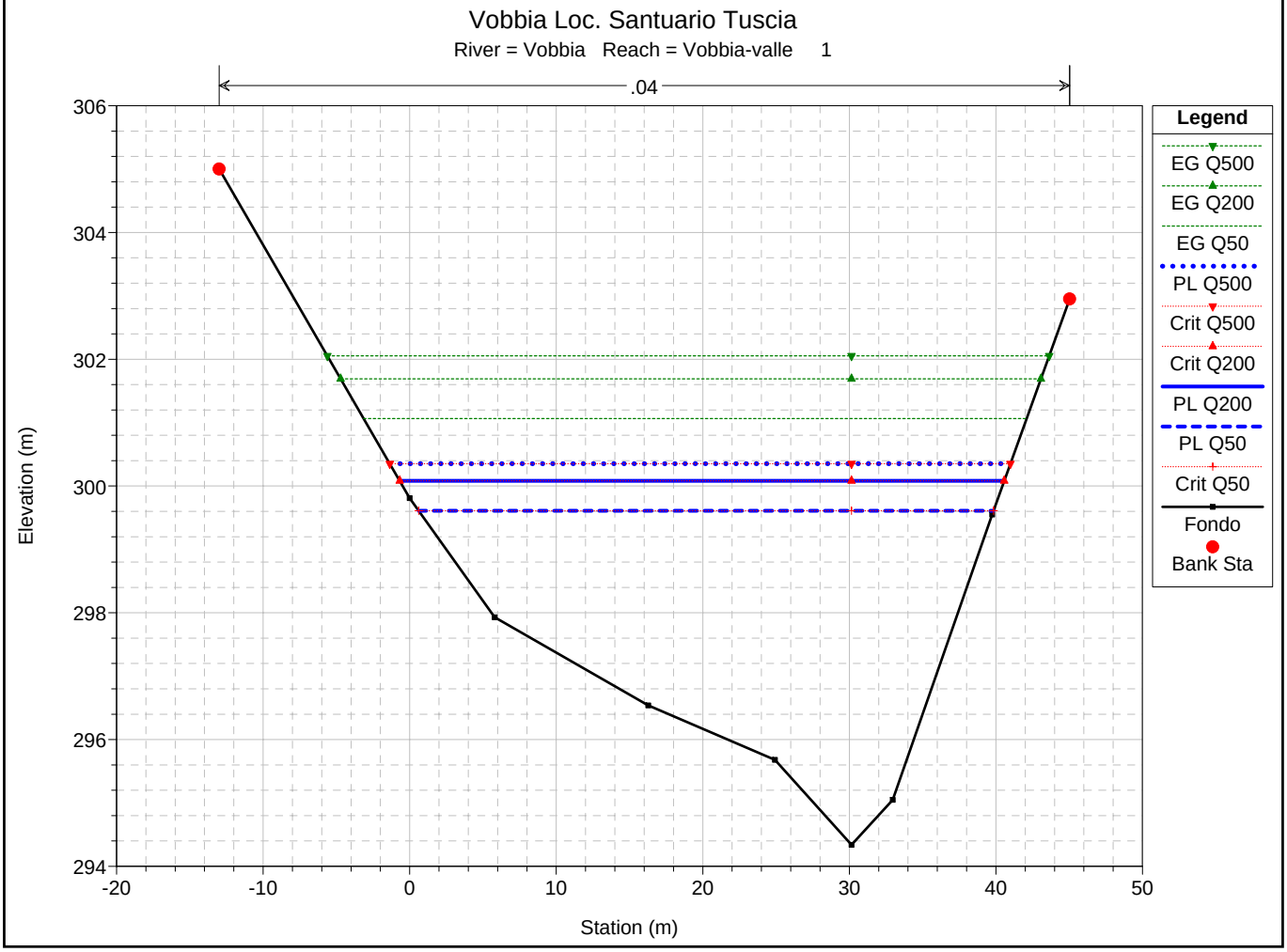

Vobbia Loc. Santuario Tuscia
River = Vobbia Reach = Vobbia 6
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

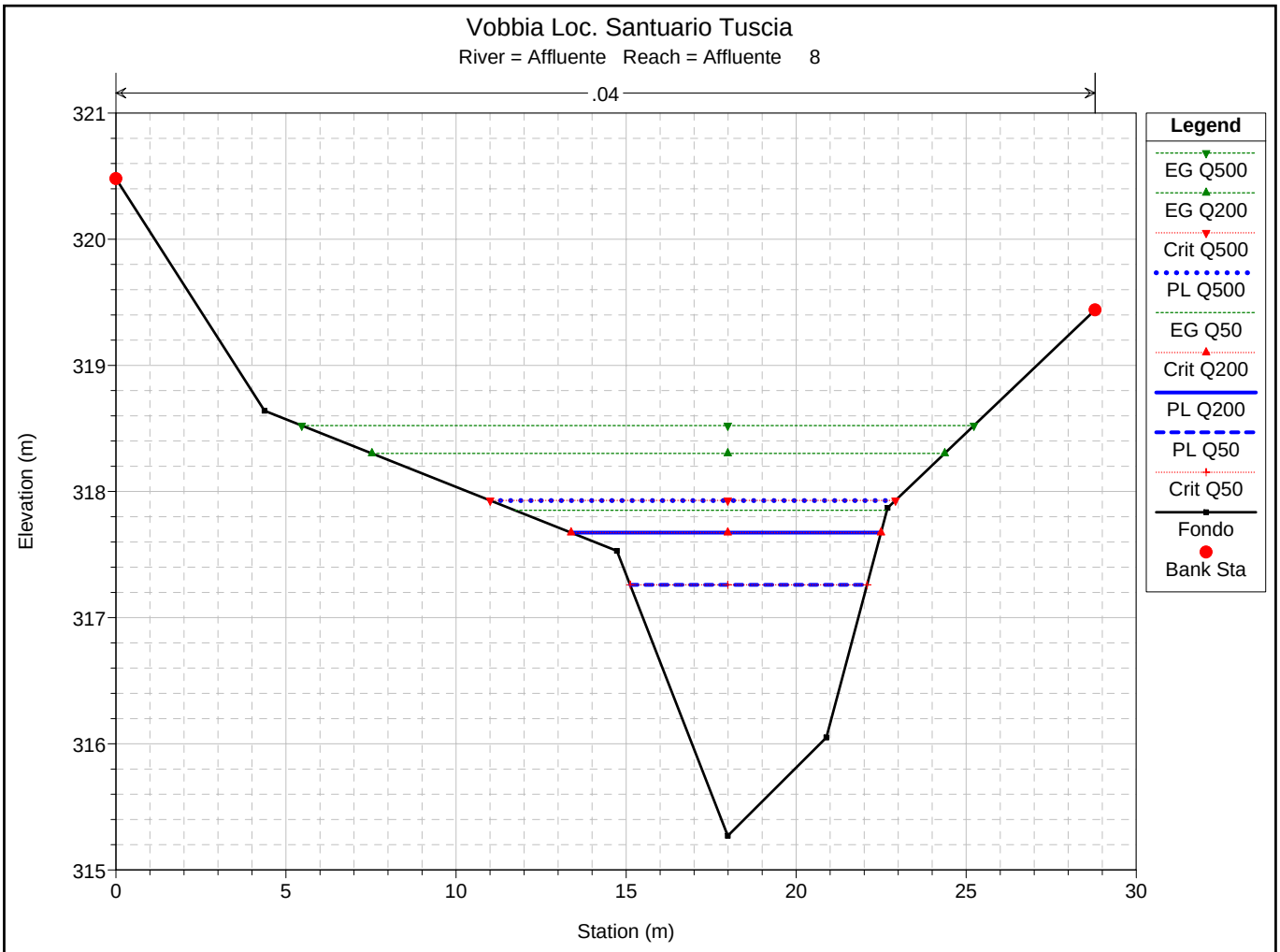

Vobbia Loc. Santuario Tuscia
River = Vobbia Reach = Vobbia 5
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

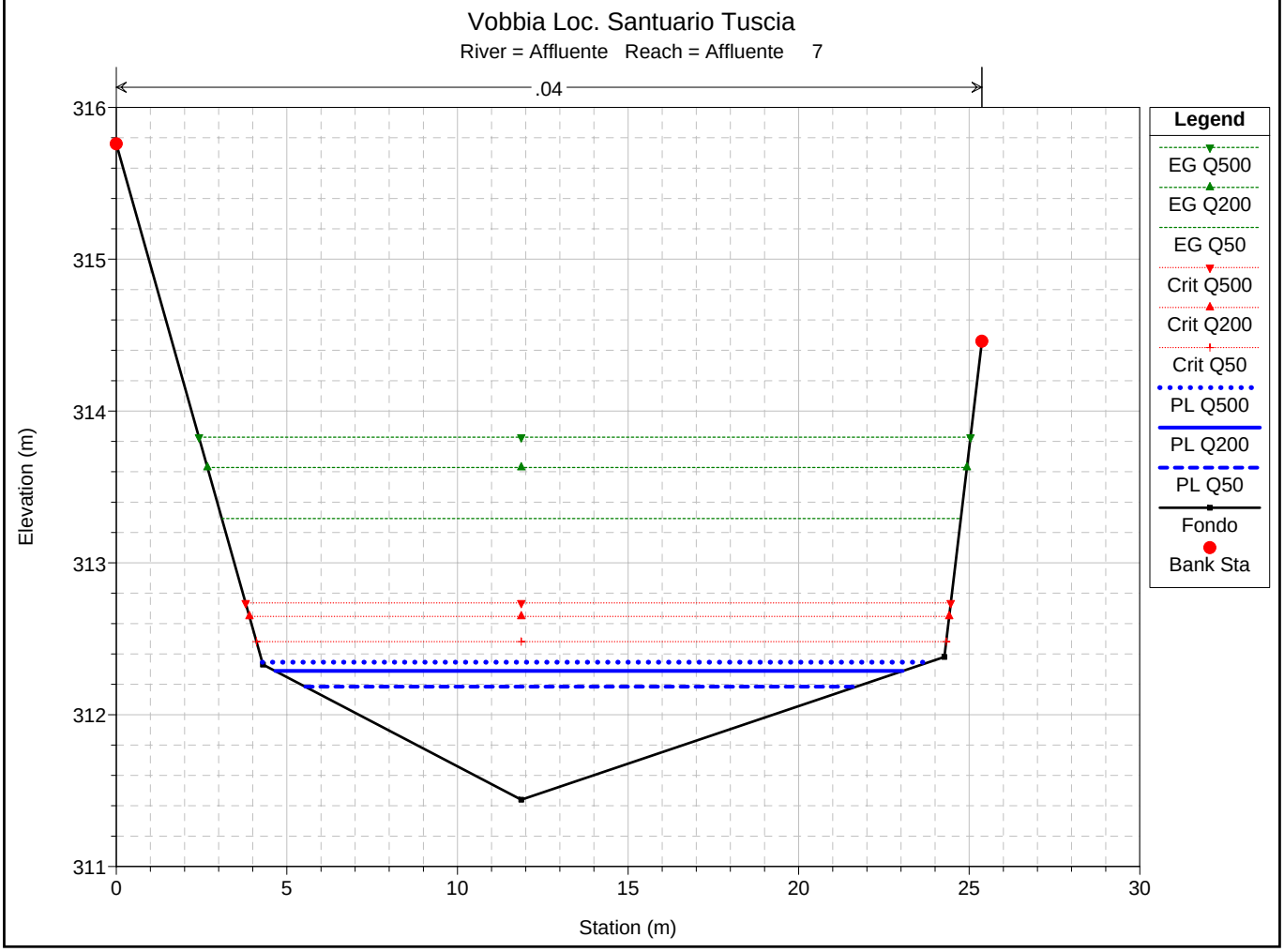

Vobbia Loc. Santuario Tuscia
River = Vobbia Reach = Vobbia 4
.04
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
308
306
304
302
300
298
296
0
10
20
30
40
50

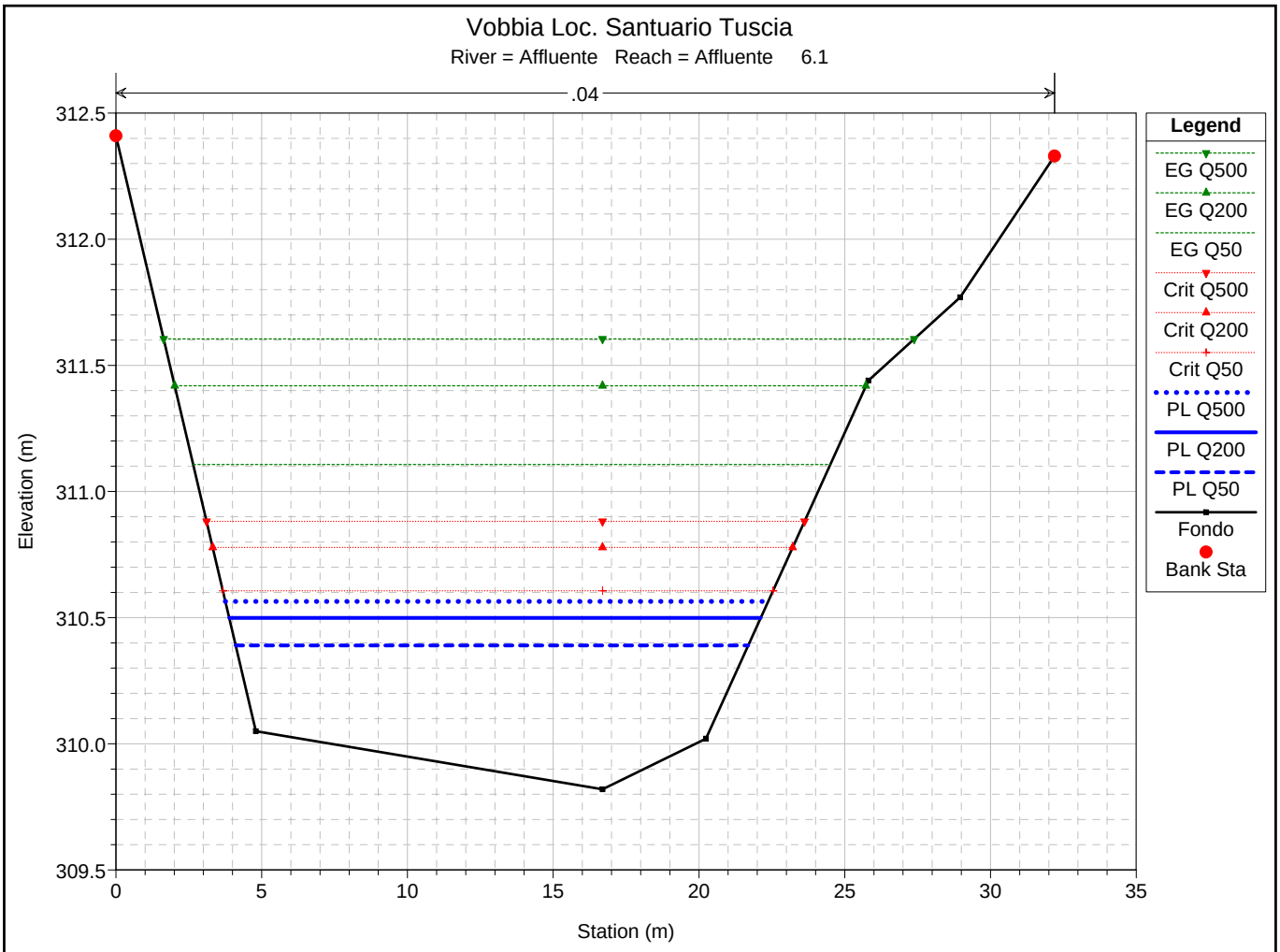

Vobbia Loc. Santuario Tuscia
River = Vobbia Reach = Vobbia 3
.04
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta
Elevation (m)
Station (m)
306
304
302
300
298
296
-10
0
10
20
30
40
50

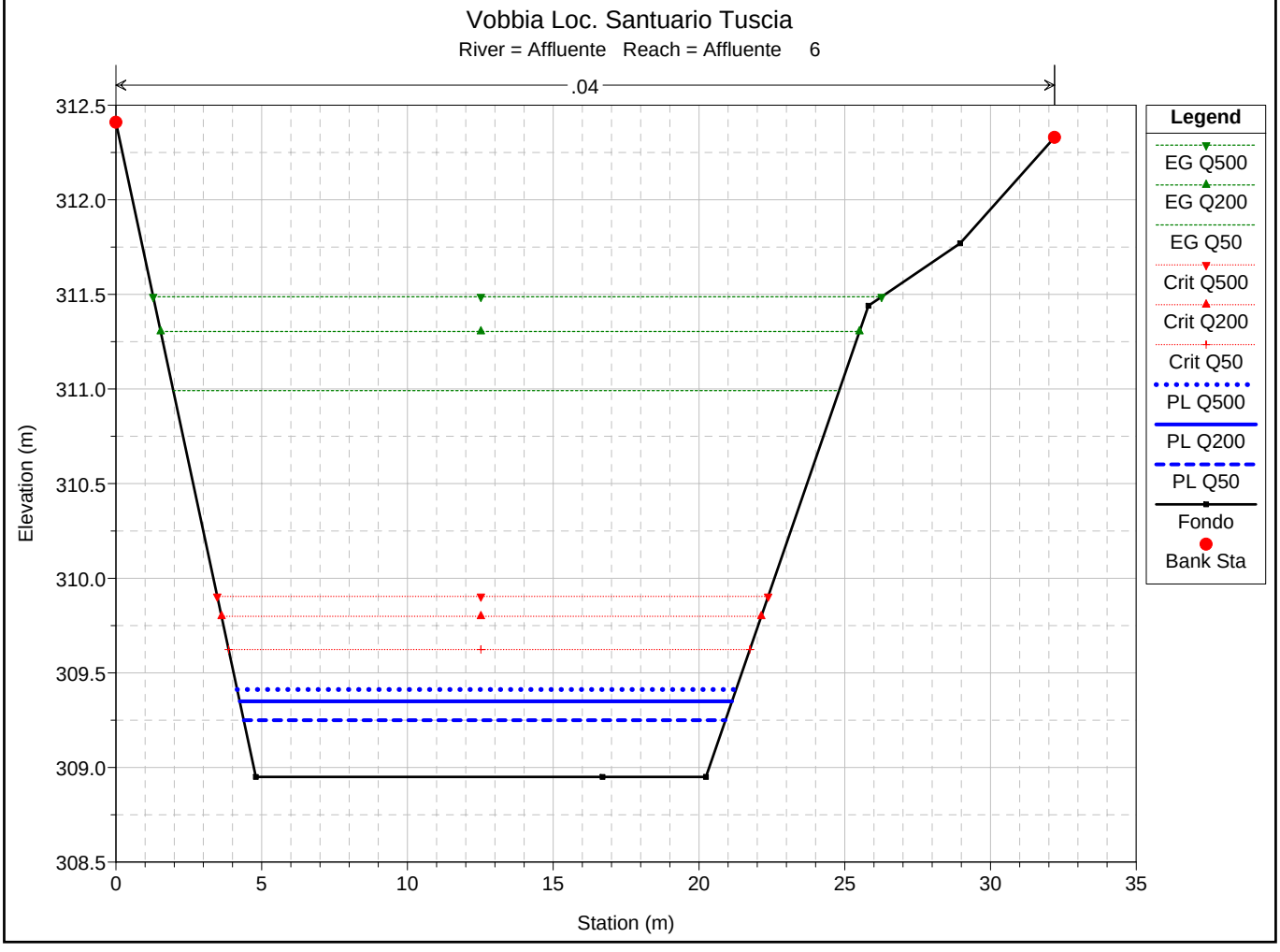

Vobbia Loc. Santuario Tuscia
River = Vobbia Reach = Vobbia-valle 2
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
EG Q50
PL Q200
Crit Q50
PL Q50
Fondo
Bank Sta

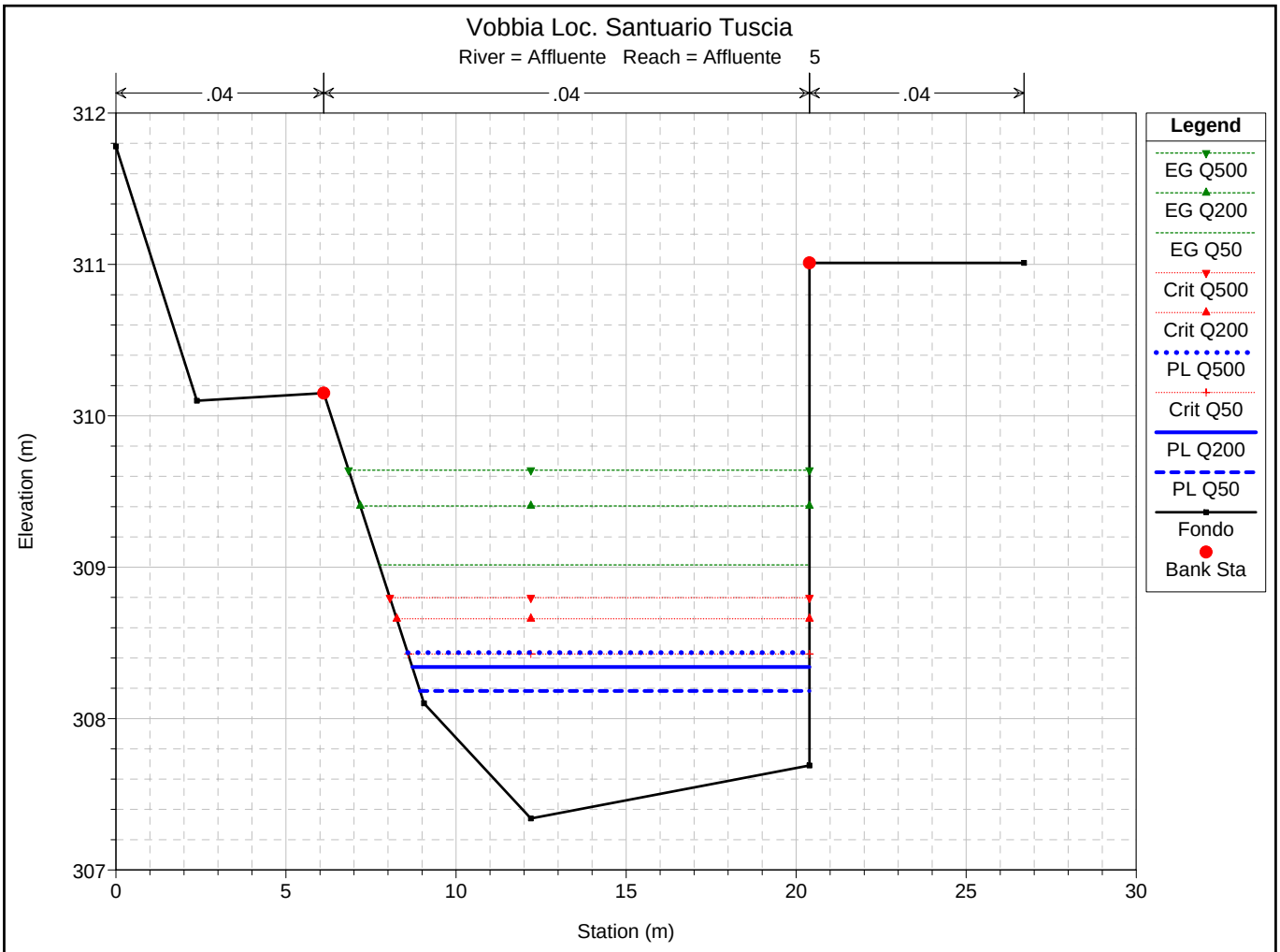

Vobbia Loc. Santuario Tuscia
River = Vobbia Reach = Vobbia-valle 1
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
PL Q500
Crit Q500
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

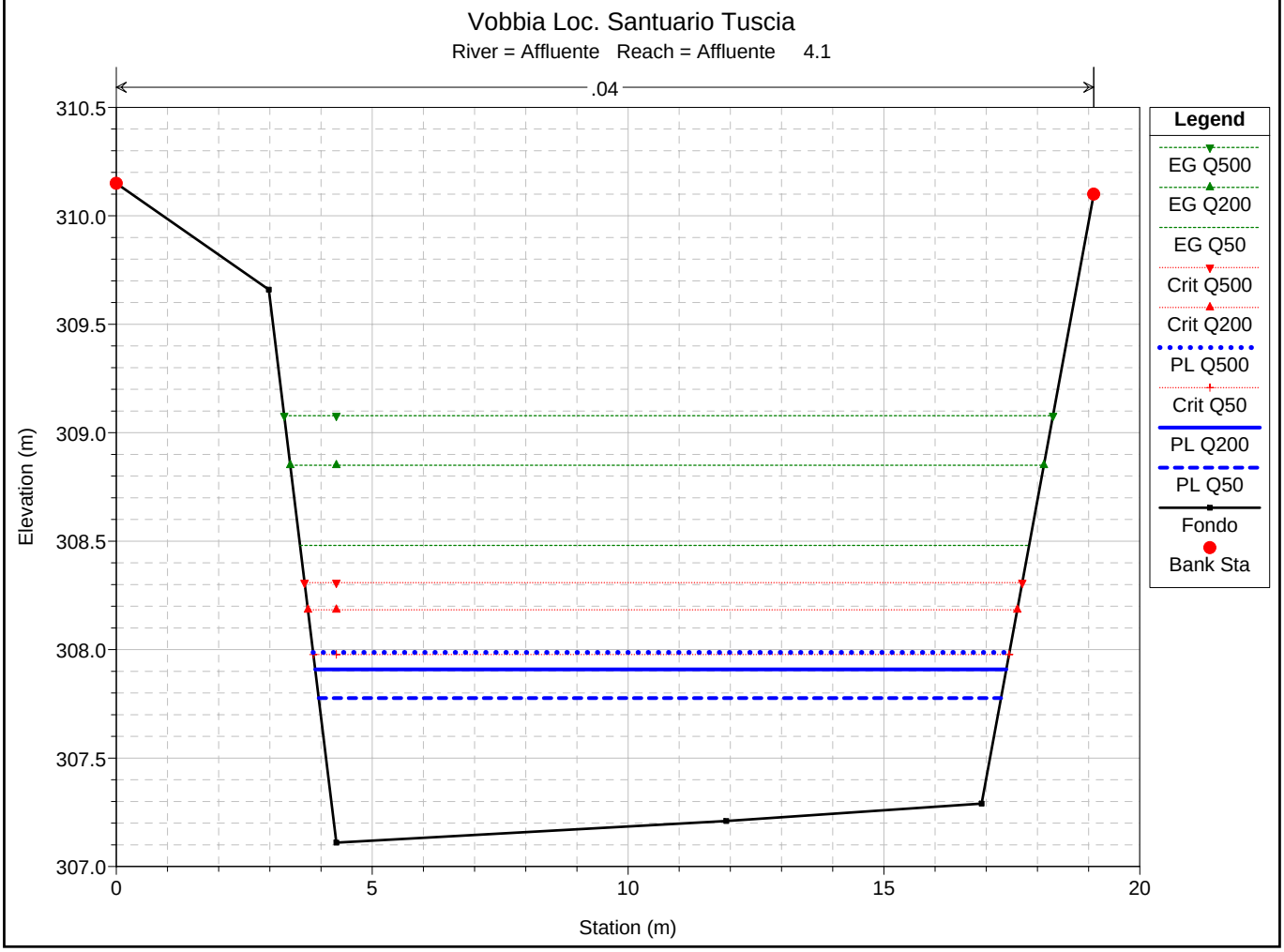

Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 8
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
Crit Q500
PL Q500
EG Q50
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Bank Sta

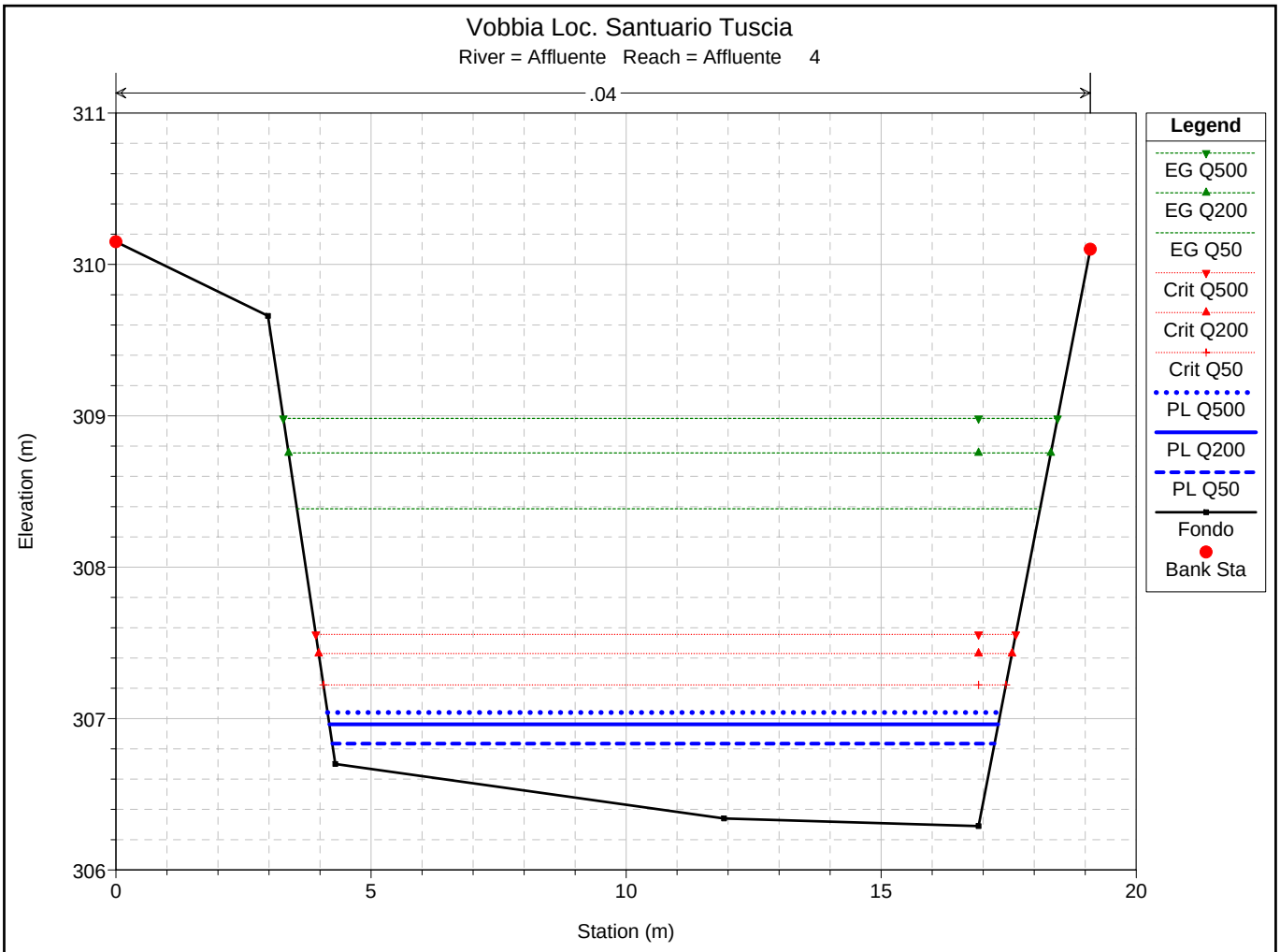

Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 7
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

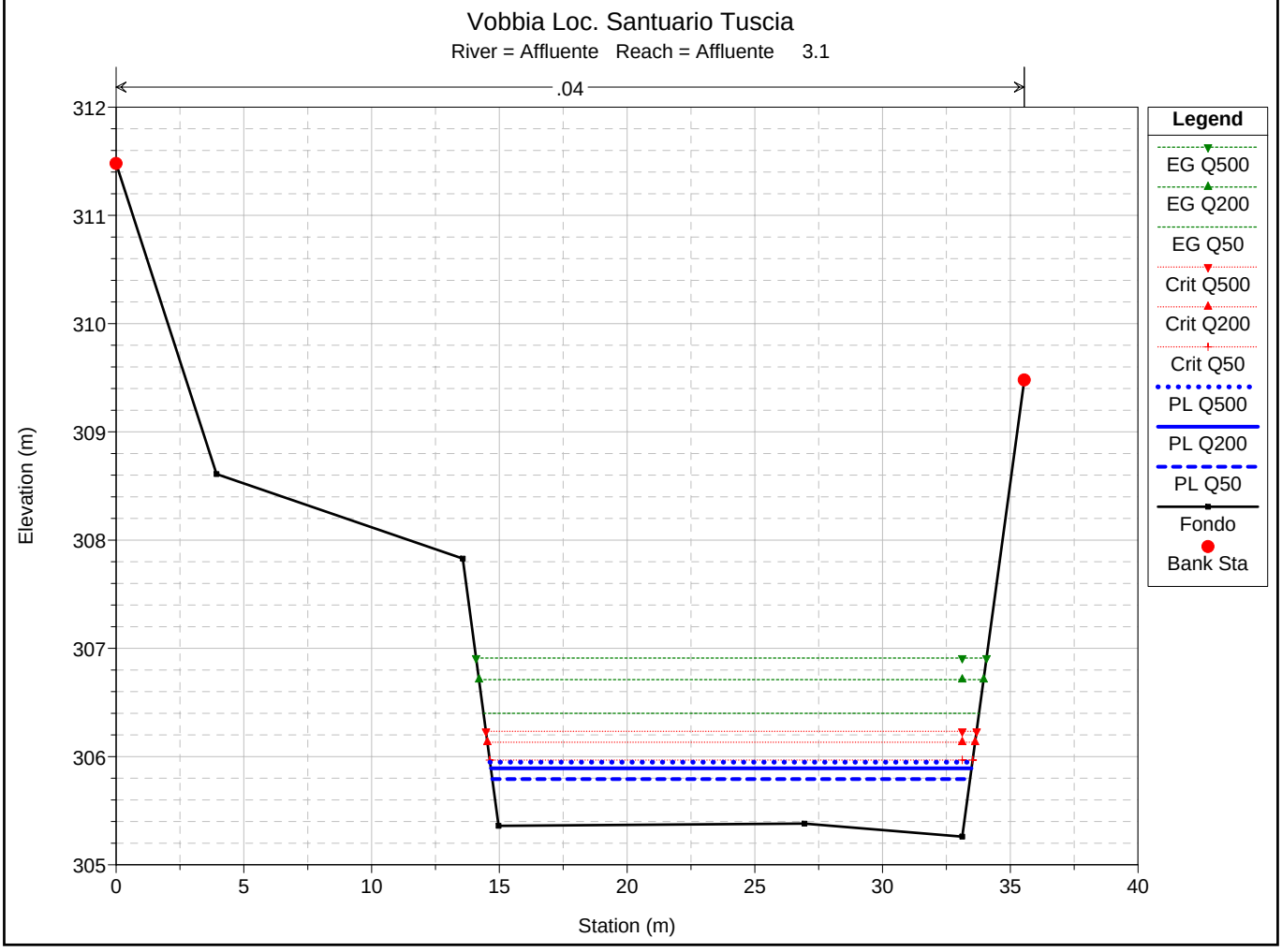

Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 6.1
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

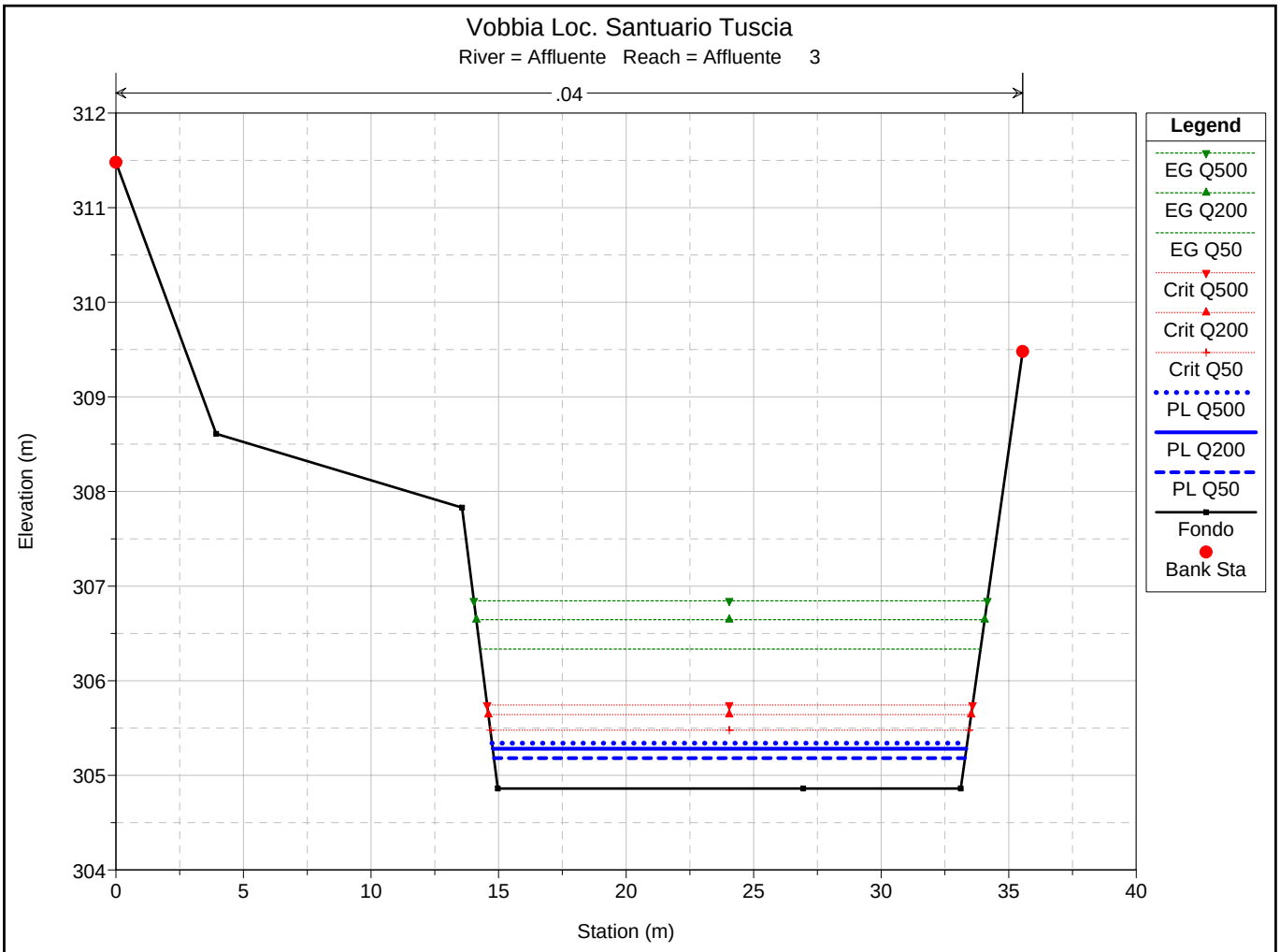

Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 6
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta

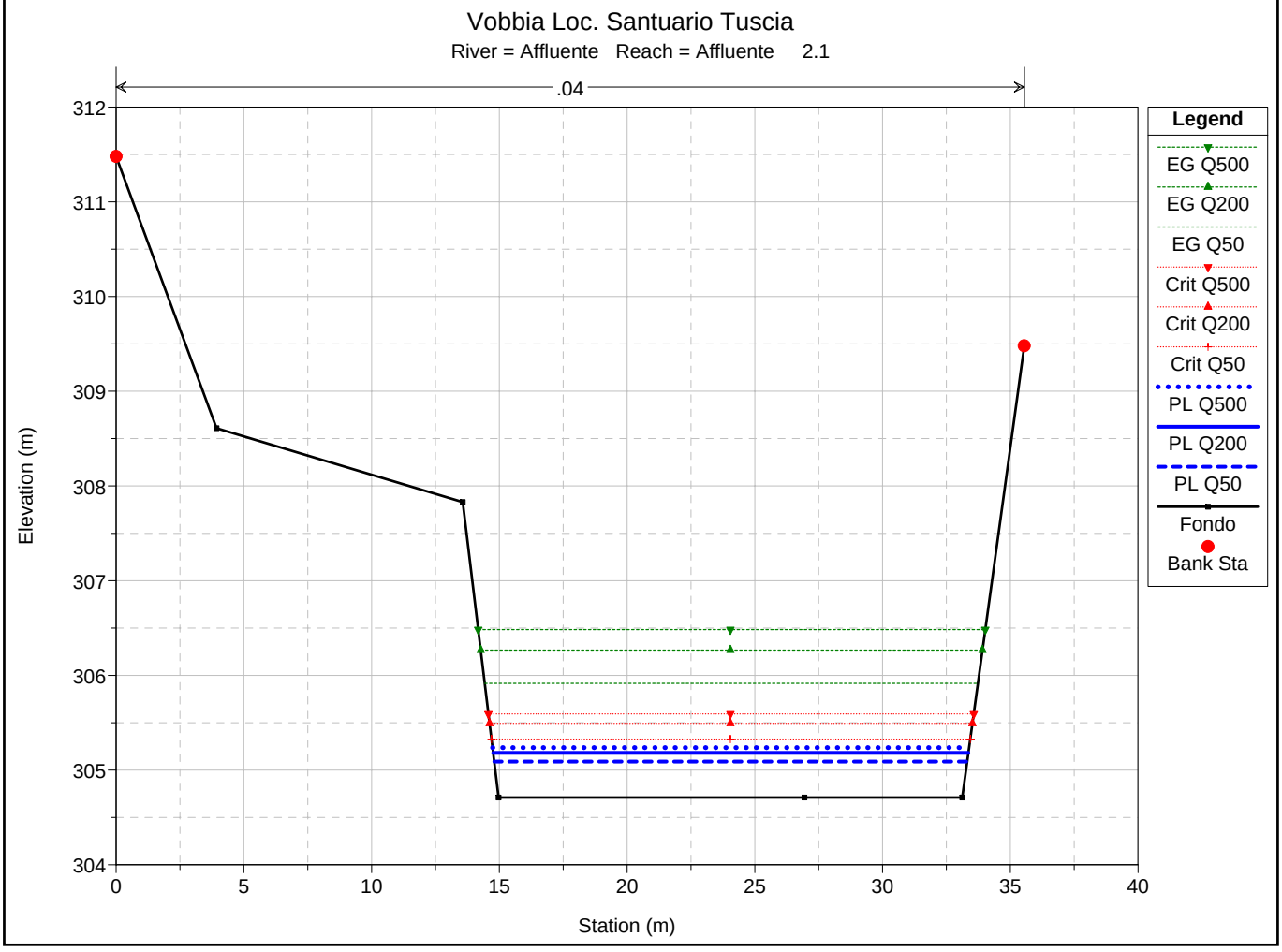

Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 5
.04
.04
.04
312
311
310
309
308
307
Elevation (m)
0
5
10
15
20
25
30
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

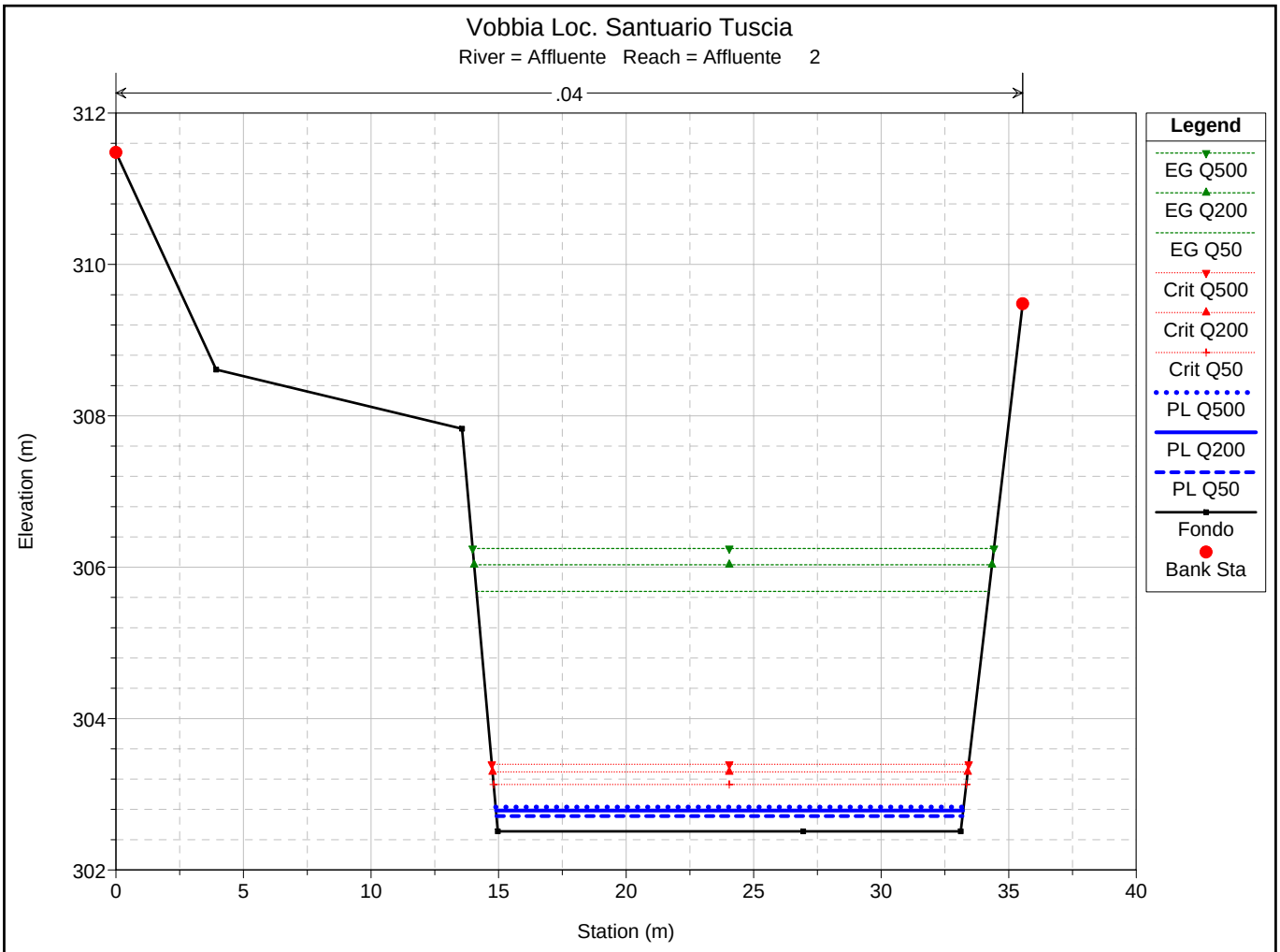

Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 4.1
.04
310.5
310.0
309.5
309.0
308.5
308.0
307.5
307.0
Elevation (m)
0
5
10
15
20
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

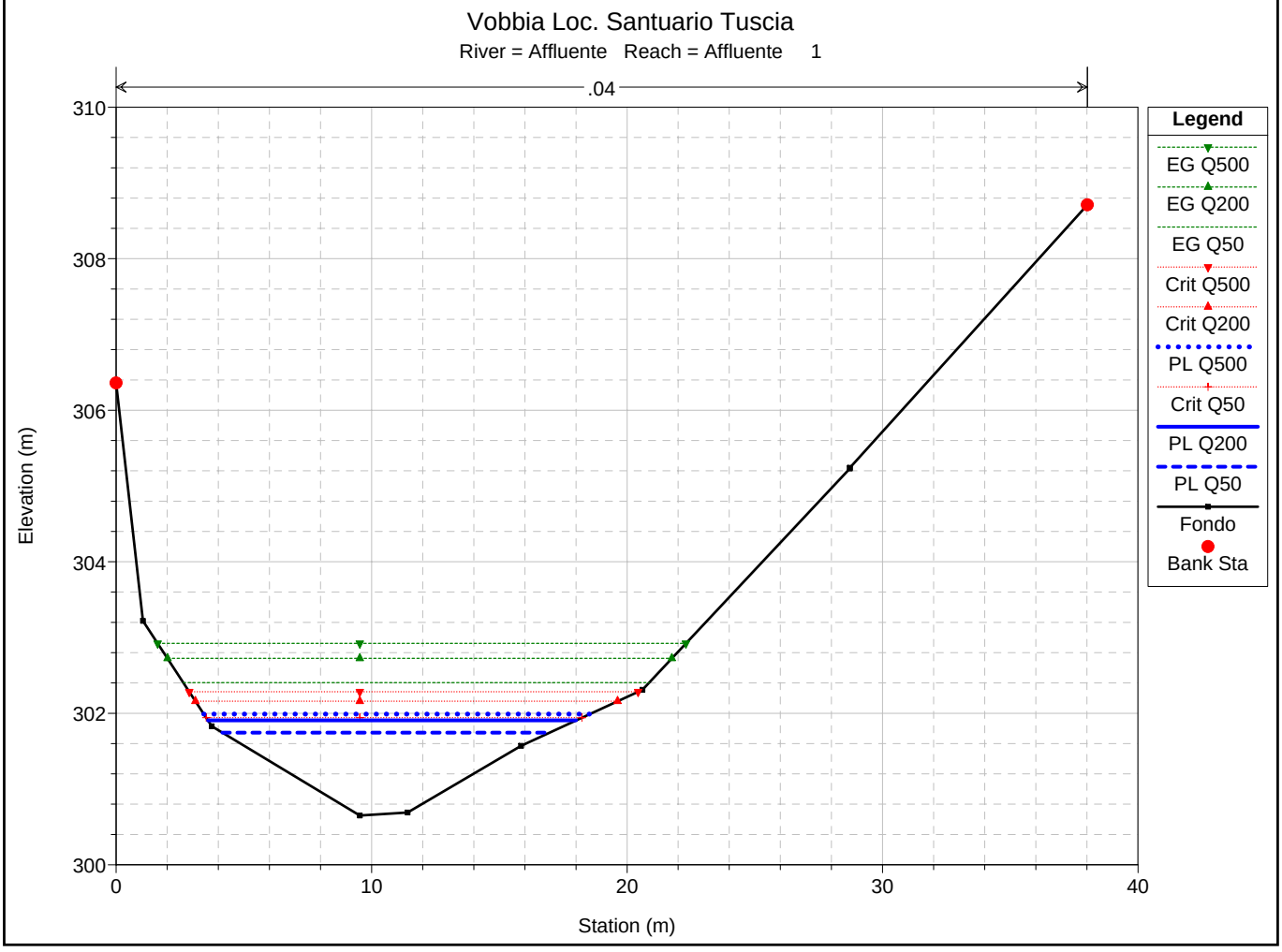

Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 4
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 3.1
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 3
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 2.1
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 2
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
Crit Q50
PL Q500
PL Q200
PL Q50
Fondo
Bank Sta


Vobbia Loc. Santuario Tuscia
River = Affluente Reach = Affluente 1
.04
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50
Crit Q500
Crit Q200
PL Q500
Crit Q50
PL Q200
PL Q50
Fondo
Bank Sta

HEC-RAS Plan: VobbiaTuscia

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Vobbia	Vobbia	10 sez. fittizia	Q50	593.00	299.83	304.19	309.60	5.41	303.90	-0.29	304.49	306.31	0.016012	6.45	91.90	28.33	1.14
Vobbia	Vobbia	10 sez. fittizia	Q200	730.00	299.83	304.66	309.60	4.94	303.90	-0.76	305.04	307.10	0.016009	6.92	105.49	28.66	1.15
Vobbia	Vobbia	10 sez. fittizia	Q500	815.00	299.83	304.94	309.60	4.66	303.90	-1.04	305.34	307.57	0.016008	7.18	113.56	28.86	1.15
Vobbia	Vobbia	6 6	Q50	593.00	298.23	302.59	308.00	5.41	302.30	-0.29	302.89	304.71	0.016009	6.45	91.90	28.33	1.14
Vobbia	Vobbia	6 6	Q200	730.00	298.23	303.06	308.00	4.94	302.30	-0.76	303.43	305.50	0.016007	6.92	105.50	28.66	1.15
Vobbia	Vobbia	6 6	Q500	815.00	298.23	303.34	308.00	4.66	302.30	-1.04	303.74	305.97	0.016006	7.18	113.56	28.86	1.15
Vobbia	Vobbia	5 5	Q50	593.00	297.64	303.27	307.00	3.73	303.42	0.15		304.27	0.005956	4.44	133.45	34.68	0.72
Vobbia	Vobbia	5 5	Q200	730.00	297.64	303.76	307.00	3.24	303.42	-0.34		304.95	0.006321	4.84	150.77	35.60	0.75
Vobbia	Vobbia	5 5	Q500	815.00	297.64	304.04	307.00	2.96	303.42	-0.62		305.35	0.006511	5.07	160.79	35.93	0.76
Vobbia	Vobbia	4 4	Q50	593.00	297.56	302.18	306.85	4.67	302.50	0.32	302.18	303.74	0.012365	5.54	107.11	34.25	1.00
Vobbia	Vobbia	4 4	Q200	730.00	297.56	302.70	306.85	4.15	302.50	-0.20	302.70	304.41	0.012323	5.80	125.90	37.36	1.01
Vobbia	Vobbia	4 4	Q500	815.00	297.56	302.97	306.85	3.88	302.50	-0.47	302.97	304.80	0.012028	5.98	136.29	37.56	1.00
Vobbia	Vobbia	3 3	Q50	593.00	297.29	299.96	305.00	5.04	303.18	3.22	300.76	302.66	0.037123	7.29	81.34	42.42	1.68
Vobbia	Vobbia	3 3	Q200	730.00	297.29	300.24	305.00	4.76	303.18	2.94	301.18	303.35	0.036469	7.81	93.50	43.26	1.70
Vobbia	Vobbia	3 3	Q500	815.00	297.29	300.41	305.00	4.59	303.18	2.77	301.42	303.74	0.035945	8.08	100.86	43.77	1.70
Vobbia	Vobbia-valle	2 2	Q50	604.00	296.68	299.32	305.00	5.68	303.10	3.78	300.04	301.71	0.040155	6.85	88.22	54.14	1.71
Vobbia	Vobbia-valle	2 2	Q200	742.00	296.68	301.46	305.00	3.54	303.10	1.64		302.09	0.003968	3.52	210.84	60.61	0.60
Vobbia	Vobbia-valle	2 2	Q500	828.00	296.68	301.80	305.00	3.20	303.10	1.30		302.45	0.003712	3.58	231.53	61.64	0.59
Vobbia	Vobbia-valle	1 1	Q50	604.00	294.34	299.61	305.00	5.39	302.95	3.34	299.61	301.07	0.011923	5.34	113.01	39.21	1.01
Vobbia	Vobbia-valle	1 1	Q200	742.00	294.34	300.08	305.00	4.92	302.95	2.87	300.08	301.69	0.011497	5.62	132.04	41.25	1.00
Vobbia	Vobbia-valle	1 1	Q500	828.00	294.34	300.35	305.00	4.65	302.95	2.60	300.35	302.05	0.011296	5.78	143.36	42.35	1.00
Vobbia	Vobbia-valle	0 sez. fittizia	Q50	604.00	291.14	295.54	296.61	1.07	299.75	4.21	296.41	298.39	0.031433	7.48	80.78	35.24	1.58
Vobbia	Vobbia-valle	0 sez. fittizia	Q200	742.00	291.14	295.90	296.61	0.71	299.75	3.85	296.87	299.09	0.030775	7.91	93.77	36.89	1.58
Vobbia	Vobbia-valle	0 sez. fittizia	Q500	828.00	291.14	296.12	296.61	0.49	299.75	3.63	297.12	299.49	0.030340	8.14	101.68	37.86	1.59
Affluente	Affluente	8. 8	Q50	28.00	315.27	317.26	320.48	3.22	319.44	2.18	317.26	317.85	0.018503	3.41	8.22	6.97	1.00
Affluente	Affluente	8. 8	Q200	40.00	315.27	317.67	320.48	2.81	319.44	1.77	317.67	318.30	0.017907	3.51	11.40	9.11	1.00
Affluente	Affluente	8. 8	Q500	48.00	315.27	317.93	320.48	2.55	319.44	1.51	317.93	318.52	0.017693	3.41	14.06	11.91	1.00
Affluente	Affluente	7 7	Q50	28.00	311.44	312.18	315.76	3.58	314.46	2.28	312.48	313.29	0.130752	4.66	6.01	16.14	2.44
Affluente	Affluente	7 7	Q200	40.00	311.44	312.29	315.76	3.47	314.46	2.17	312.65	313.63	0.132997	5.13	7.80	18.39	2.51
Affluente	Affluente	7 7	Q500	48.00	311.44	312.35	315.76	3.41	314.46	2.11	312.74	313.83	0.133575	5.39	8.90	19.54	2.55
Affluente	Affluente	6.1 6.1	Q50	28.00	309.82	310.39	312.41	2.02	312.33	1.94	310.61	311.11	0.071337	3.75	7.46	17.58	1.84
Affluente	Affluente	6.1 6.1	Q200	40.00	309.82	310.50	312.41	1.91	312.33	1.83	310.78	311.42	0.070669	4.25	9.41	18.23	1.89
Affluente	Affluente	6.1 6.1	Q500	48.00	309.82	310.56	312.41	1.85	312.33	1.77	310.88	311.60	0.070055	4.52	10.62	18.62	1.91
Affluente	Affluente	6 6	Q50	28.00	308.95	309.25	312.41	3.16	312.33	3.08	309.62	310.99	0.288932	5.85	4.79	16.53	3.47
Affluente	Affluente	6 6	Q200	40.00	308.95	309.35	312.41	3.06	312.33	2.98	309.80	311.30	0.224829	6.19	6.46	16.89	3.20
Affluente	Affluente	6 6	Q500	48.00	308.95	309.41	312.41	3.00	312.33	2.92	309.90	311.49	0.198862	6.38	7.52	17.11	3.07
Affluente	Affluente	5 5	Q50	28.00	307.34	308.18	310.15	1.97	311.01	2.83	308.43	309.02	0.054788	4.04	6.93	11.45	1.66
Affluente	Affluente	5 5	Q200	40.00	307.34	308.34	310.15	1.81	311.01	2.67	308.66	309.40	0.053716	4.57	8.75	11.68	1.68
Affluente	Affluente	5 5	Q500	48.00	307.34	308.44	310.15	1.71	311.01	2.57	308.80	309.64	0.053358	4.86	9.87	11.81	1.70
Affluente	Affluente	4.1 4.1	Q50	28.00	307.11	307.78	310.15	2.37	310.10	2.32	307.98	308.48	0.050465	3.72	7.53	13.33	1.58
Affluente	Affluente	4.1 4.1	Q200	40.00	307.11	307.91	310.15	2.24	310.10	2.19	308.18	308.85	0.052390	4.30	9.31	13.51	1.65
Affluente	Affluente	4.1 4.1	Q500	48.00	307.11	307.99	310.15	2.16	310.10	2.11	308.31	309.08	0.053500	4.63	10.37	13.61	1.69

HEC-RAS Plan: VobbiaTuscia (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Affluente	Affluente	4 4	Q50	28.00	306.29	306.83	310.15	3.32	310.10	3.27	307.22	308.39	0.177740	5.52	5.07	12.98	2.82
Affluente	Affluente	4 4	Q200	40.00	306.29	306.96	310.15	3.19	310.10	3.14	307.43	308.75	0.144579	5.93	6.74	13.11	2.64
Affluente	Affluente	4 4	Q500	48.00	306.29	307.04	310.15	3.11	310.10	3.06	307.56	308.98	0.131914	6.18	7.77	13.19	2.57
Affluente	Affluente	3.1 3.1	Q50	28.00	305.26	305.79	311.48	5.69	309.48	3.69	305.97	306.40	0.060424	3.45	8.11	18.70	1.67
Affluente	Affluente	3.1 3.1	Q200	40.00	305.26	305.89	311.48	5.59	309.48	3.59	306.13	306.71	0.062756	4.01	9.98	18.82	1.76
Affluente	Affluente	3.1 3.1	Q500	48.00	305.26	305.95	311.48	5.53	309.48	3.53	306.23	306.91	0.064981	4.35	11.05	18.88	1.81
Affluente	Affluente	3 3	Q50	28.00	304.86	305.18	311.48	6.30	309.48	4.30	305.48	306.33	0.171255	4.76	5.88	18.47	2.69
Affluente	Affluente	3 3	Q200	40.00	304.86	305.28	311.48	6.20	309.48	4.20	305.64	306.65	0.143038	5.17	7.73	18.57	2.56
Affluente	Affluente	3 3	Q500	48.00	304.86	305.34	311.48	6.14	309.48	4.14	305.74	306.85	0.133313	5.43	8.83	18.63	2.52
Affluente	Affluente	2.1 2.1	Q50	28.00	304.71	305.09	311.48	6.39	309.48	4.39	305.33	305.92	0.099230	4.03	6.95	18.51	2.10
Affluente	Affluente	2.1 2.1	Q200	40.00	304.71	305.18	311.48	6.30	309.48	4.30	305.49	306.27	0.098493	4.62	8.66	18.60	2.16
Affluente	Affluente	2.1 2.1	Q500	48.00	304.71	305.24	311.48	6.24	309.48	4.24	305.59	306.48	0.097956	4.95	9.71	18.66	2.19
Affluente	Affluente	2 2	Q50	28.00	302.51	302.71	311.48	8.77	309.48	6.77	303.13	305.68	0.810711	7.63	3.67	18.27	5.44
Affluente	Affluente	2 2	Q200	40.00	302.51	302.78	311.48	8.70	309.48	6.70	303.30	306.03	0.591357	7.98	5.01	18.32	4.87
Affluente	Affluente	2 2	Q500	48.00	302.51	302.83	311.48	8.65	309.48	6.65	303.40	306.25	0.508229	8.19	5.86	18.35	4.62
Affluente	Affluente	1 1	Q50	28.00	300.65	301.74	306.36	4.62	308.71	6.97	301.94	302.40	0.041252	3.60	7.77	12.81	1.48
Affluente	Affluente	1 1	Q200	40.00	300.65	301.91	306.36	4.45	308.71	6.80	302.16	302.72	0.042925	4.01	9.98	14.41	1.54
Affluente	Affluente	1 1	Q500	48.00	300.65	301.99	306.36	4.37	308.71	6.72	302.28	302.92	0.044600	4.28	11.22	15.11	1.58

Verifiche puntuali

Indice

Verifiche puntuali

CODICE	CORSO D'ACQUA	Località
SN5	Senza nome	Bromia
SN4 – imb SN4 – sb	Senza nome	Bromia
SN3 – imb SN3 – sb	Senza nome	Bromia
SN2	Senza nome	Montoggio
CRS	Rio della Crosa	Casalino
LGN – imb LGN – sb	Loegnino	Casalino
CRO – imb CRO – m	Rio Croci	Casalino
REG	Rio Regiosi	Casella
ZUM	Rio Zumè	Ponte Savignone
SN	Senza nome	Ponte Savignone
LUB – imb LUB – sb	Rio Lubia	Ponte Savignone

Sezione: **SN5**

Bacino principale: Scrivia
Corso d'acqua: senza nome
Località: Montoggio

Descrizione: Imbocco copertura

Sezione idraulica di riferimento: A=0.112 Km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	2.4	2.4	3.4	3.4	4.1	4.1
Larghezza	[m]	B	1.77	1.77	1.77	1.77	1.77	1.77
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.06	0.06	0.06	0.06	0.06	0.06
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.028	0.028	0.028	0.028	0.028	0.028
Altezza pelo libero	[m]	Y	0.38	0.57	0.49	0.72	0.56	0.82
Quota pelo libero	[m s.l.m.]	Zp	0.38	0.57	0.49	0.72	0.56	0.82
Area	[m^2]	A	0.68	1.01	0.86	1.28	0.98	1.45
Perimetro bagnato	[m]	P	2.53	2.91	2.74	3.21	2.88	3.40
Raggio idraulico	[m]	R	0.27	0.35	0.31	0.40	0.34	0.42
Velocità media	[m/s]	U	3.54	2.37	3.94	2.66	4.17	2.83
Carico specifico	[m]	E	1.02	0.86	1.28	1.08	1.44	1.23
Carico totale	[m s.l.m.]	H	1.02	0.86	1.28	1.08	1.44	1.23
Numero di Froude	[-]	Fr	1.82	1.00	1.80	1.00	1.78	1.00
Altezza minima intradosso (*)	[m]	Ym	1.77	1.77	1.77	1.77	1.77	1.77
Quota minima intradosso	[m s.l.m.]	Zi	1.77	1.77	1.77	1.77	1.77	1.77
Franco	[m]	f	1.38	1.19	1.28	1.04	1.21	0.95
Verificata			**SI**	**SI**	**SI**	**SI**	**SI**	**SI**

(*) sezione circolare D=1.5m - Utilizzato sezione rettangolare equivalente

Sezione: **SN4 - imb**

Bacino principale: Scrivia
Corso d'acqua: senza nome
Località: Montoggio

Descrizione: Imbocco copertura

Sezione idraulica di riferimento: A=0.033 Km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	0.7	0.7	1.0	1.0	1.2	1.2
Larghezza	[m]	B	0.30	0.30	0.30	0.30	0.30	0.30
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.06	0.06	0.06	0.06	0.06	0.06
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.025	-	0.025	-	0.025	-
Altezza pelo libero	[m]	Y	0.95	0.82	1.33	1.04	1.58	1.18
Quota pelo libero	[m s.l.m.]	Zp	0.95	0.82	1.33	1.04	1.58	1.18
Area	[m^2]	A	0.29	0.25	0.40	0.31	0.47	0.35
Perimetro bagnato	[m]	P	2.21	1.94	2.96	2.38	3.45	2.65
Raggio idraulico	[m]	R	0.13	0.13	0.13	0.13	0.14	0.13
Velocità media	[m/s]	U	2.45	2.84	2.51	3.20	2.54	3.40
Carico specifico	[m]	E	1.26	1.23	1.65	1.56	1.90	1.77
Carico totale	[m s.l.m.]	H	1.26	1.23	1.65	1.56	1.90	1.77
Numero di Froude	[-]	Fr	0.80	1.00	0.70	1.00	0.65	1.00
Altezza minima intradosso (*)	[m]	Ym	0.23	0.23	0.23	0.23	0.23	0.23
Quota minima intradosso	[m s.l.m.]	Zi	0.23	0.23	0.23	0.23	0.23	0.23
Franco	[m]	f	-0.72	-0.59	-1.09	-0.81	-1.34	-0.94
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

(*) Utilizzato sezione rettangolare equivalente

Sezione: **SN4 - sb**

Bacino principale: Scrivia
Corso d'acqua: Affluente B
Località: Montoggio

Descrizione: Sbocco tombinatura

Sezione idraulica di riferimento: A=0.033 Km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	0.7	0.7	1.0	1.0	1.2	1.2
Larghezza	[m]	B	0.60	0.60	0.60	0.60	0.60	0.60
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.06	0.06	0.06	0.06	0.06	0.06
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.025	-	0.025	-	0.025	-
Altezza pelo libero	[m]	Y	0.40	0.52	0.53	0.66	0.61	0.74
Quota pelo libero	[m s.l.m.]	Zp	0.40	0.52	0.53	0.66	0.61	0.74
Area	[m^2]	A	0.24	0.31	0.32	0.39	0.37	0.44
Perimetro bagnato	[m]	P	1.39	1.64	1.65	1.91	1.82	2.08
Raggio idraulico	[m]	R	0.17	0.19	0.19	0.21	0.20	0.21
Velocità media	[m/s]	U	2.94	2.25	3.17	2.54	3.28	2.70
Carico specifico	[m]	E	0.84	0.78	1.04	0.98	1.16	1.11
Carico totale	[m s.l.m.]	H	0.84	0.78	1.04	0.98	1.16	1.11
Numero di Froude	[-]	Fr	1.49	1.00	1.39	1.00	1.34	1.00
Altezza minima intradosso (*)	[m]	Ym	0.28	0.28	0.28	0.28	0.28	0.28
Quota minima intradosso	[m s.l.m.]	Zi	0.28	0.28	0.28	0.28	0.28	0.28
Franco	[m]	f	-0.11	-0.23	-0.24	-0.37	-0.33	-0.46
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

(*) Utilizzato sezione rettangolare equivalente

Sezione: **SN3 - imb**

Bacino principale: Scrivia
Corso d'acqua: senza nome
Località: Montoggio

Descrizione: Imbocco copertura

Sezione idraulica di riferimento: A=0.137 Km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	2.9	2.9	4.2	4.2	5.1	5.1
Larghezza	[m]	B	1.00	1.00	1.00	1.00	1.00	1.00
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.06	0.06	0.06	0.06	0.06	0.06
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.025	-	0.025	-	0.025	-
Altezza pelo libero	[m]	Y	0.68	0.95	0.91	1.22	1.07	1.38
Quota pelo libero	[m s.l.m.]	Zp	0.68	0.95	0.91	1.22	1.07	1.38
Area	[m^2]	A	0.68	0.95	0.91	1.22	1.07	1.38
Perimetro bagnato	[m]	P	2.36	2.90	2.82	3.43	3.13	3.77
Raggio idraulico	[m]	R	0.29	0.33	0.32	0.35	0.34	0.37
Velocità media	[m/s]	U	4.27	3.05	4.61	3.45	4.78	3.68
Carico specifico	[m]	E	1.61	1.42	1.99	1.82	2.23	2.08
Carico totale	[m s.l.m.]	H	1.61	1.42	1.99	1.82	2.23	2.08
Numero di Froude	[-]	Fr	1.66	1.00	1.54	1.00	1.48	1.00
Altezza minima intradosso	[m]	Ym	2.23	2.23	2.23	2.23	2.23	2.23
Quota minima intradosso	[m s.l.m.]	Zi	2.23	2.23	2.23	2.23	2.23	2.23
Franco	[m]	f	1.55	1.28	1.32	1.02	1.17	0.85
Verificata			**SI**	**SI**	**SI**	**SI**	**SI**	**NO**

Sezione: **SN3 - sb**

Bacino principale: Scrivia
Corso d'acqua: senza nome
Località: Montoggio

Descrizione: Sbocco copertura

Sezione idraulica di riferimento: A=0.137 Km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	2.9	2.9	4.2	4.2	5.1	5.1
Larghezza	[m]	B	0.97	0.97	0.97	0.97	0.97	0.97
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.06	0.06	0.06	0.06	0.06	0.06
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.025	-	0.025	-	0.025	-
Altezza pelo libero	[m]	Y	0.72	0.97	0.96	1.24	1.13	1.41
Quota pelo libero	[m s.l.m.]	Zp	0.72	0.97	0.96	1.24	1.13	1.41
Area	[m^2]	A	0.69	0.94	0.93	1.20	1.10	1.37
Perimetro bagnato	[m]	P	2.40	2.91	2.90	3.45	3.23	3.79
Raggio idraulico	[m]	R	0.29	0.32	0.32	0.35	0.34	0.36
Velocità media	[m/s]	U	4.18	3.08	4.49	3.49	4.65	3.72
Carico specifico	[m]	E	1.60	1.45	1.99	1.86	2.23	2.12
Carico totale	[m s.l.m.]	H	1.60	1.45	1.99	1.86	2.23	2.12
Numero di Froude	[-]	Fr	1.58	1.00	1.46	1.00	1.39	1.00
Altezza minima intradosso (*)	[m]	Ym	0.97	0.97	0.97	0.97	0.97	0.97
Quota minima intradosso	[m s.l.m.]	Zi	0.97	0.97	0.97	0.97	0.97	0.97
Franco	[m]	f	0.25	0.00	0.01	-0.27	-0.16	-0.44
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

(*) Usato sezione rettangolare equivalente

Sezione: **SN2**

Bacino principale: Scrivia
Corso d'acqua: senza nome
Località: Montoggio

Descrizione: Imbocco Tombinatura

Sezione idraulica di riferimento: A = 0.13 Km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	2.8	2.8	4.0	4.0	4.8	4.8
Larghezza	[m]	B	1.20	1.20	1.20	1.20	1.20	1.20
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.04	0.04	0.04	0.04	0.04	0.04
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.040	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.96	0.82	1.28	1.04	1.49	1.18
Quota pelo libero	[m s.l.m.]	Zp	0.96	0.82	1.28	1.04	1.49	1.18
Area	[m^2]	A	1.15	0.99	1.54	1.25	1.79	1.41
Perimetro bagnato	[m]	P	3.12	2.84	3.76	3.28	4.18	3.55
Raggio idraulico	[m]	R	0.37	0.35	0.41	0.38	0.43	0.40
Velocità media	[m/s]	U	2.43	2.84	2.60	3.20	2.68	3.40
Carico specifico	[m]	E	1.26	1.23	1.63	1.56	1.86	1.77
Carico totale	[m s.l.m.]	H	1.26	1.23	1.63	1.56	1.86	1.77
Numero di Froude	[-]	Fr	0.79	1.00	0.73	1.00	0.70	1.00
Altezza minima intradosso	[m]	Ym	0.70	0.70	0.70	0.70	0.70	0.70
Quota minima intradosso	[m s.l.m.]	Zi	0.70	0.70	0.70	0.70	0.70	0.70
Franco	[m]	f	-0.26	-0.12	-0.58	-0.34	-0.79	-0.48
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Sezione: **CRS**

Bacino principale: Scrivia
Corso d'acqua: Rio della Crosa
Località: Casalino

Descrizione: Imbocco copertura finale

Sezione idraulica di riferimento: A=0.151 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	3.2	3.2	4.6	4.6	5.5	5.5
Larghezza	[m]	B	1.50	1.50	1.50	1.50	1.50	1.50
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.044	0.04	0.04	0.04	0.04	0.04
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.040	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.77	0.77	1.02	0.99	1.18	1.11
Quota pelo libero	[m s.l.m.]	Zp	0.77	0.77	1.02	0.99	1.18	1.11
Area	[m^2]	A	1.16	1.16	1.53	1.48	1.77	1.67
Perimetro bagnato	[m]	P	3.05	3.05	3.54	3.47	3.85	3.72
Raggio idraulico	[m]	R	0.38	0.38	0.43	0.43	0.46	0.45
Velocità media	[m/s]	U	2.76	2.76	3.00	3.11	3.12	3.30
Carico specifico	[m]	E	1.16	1.16	1.48	1.48	1.67	1.67
Carico totale	[m s.l.m.]	H	1.16	1.16	1.48	1.48	1.67	1.67
Numero di Froude	[-]	Fr	1.00	1.00	0.95	1.00	0.92	1.00
Altezza minima intradosso	[m]	Ym	1.80	1.80	1.80	1.80	1.80	1.80
Quota minima intradosso	[m s.l.m.]	Zi	2.20	2.20	2.20	2.20	2.20	2.20
Franco	[m]	f	1.03	1.03	0.78	0.81	0.62	0.69
Verificata			**SI**	**SI**	**NO**	**NO**	**NO**	**NO**

Sezione: **LGN - imb**

Bacino principale: Scrivia
Corso d'acqua: Loegnino
Località: Casalino

Descrizione: Imbocco copertura finale

Sezione idraulica di riferimento: A=0.096 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	2.0	2.0	2.9	2.9	3.5	3.5
Larghezza	[m]	B	1.30	1.30	1.30	1.30	1.30	1.30
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.08	0.08	0.08	0.08	0.08	0.08
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.04	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.49	0.62	0.65	0.80	0.75	0.90
Quota pelo libero	[m s.l.m.]	Zp	0.49	0.62	0.65	0.80	0.75	0.90
Area	[m^2]	A	0.64	0.81	0.84	1.04	0.97	1.18
Perimetro bagnato	[m]	P	2.29	2.55	2.60	2.90	2.80	3.11
Raggio idraulico	[m]	R	0.28	0.32	0.32	0.36	0.35	0.38
Velocità media	[m/s]	U	3.12	2.47	3.44	2.80	3.60	2.98
Carico specifico	[m]	E	0.99	0.93	1.25	1.20	1.41	1.36
Carico totale	[m s.l.m.]	H	0.99	0.93	1.25	1.20	1.41	1.36
Numero di Froude	[-]	Fr	1.42	1.00	1.36	1.00	1.33	1.00
Altezza minima intradosso	[m]	Ym	1.53	1.53	1.53	1.53	1.53	1.53
Quota minima intradosso	[m s.l.m.]	Zi	1.53	1.53	1.53	1.53	1.53	1.53
Franco	[m]	f	1.04	0.91	0.88	0.74	0.78	0.63
Verificata			**SI**	**NO**	**NO**	**NO**	**NO**	**NO**

Sezione: **LGN - Sb**

Bacino principale: Scirvia
Corso d'acqua: Loegnino
Località: Casalino

Descrizione: Sbocco copertura finale
sezione circolare D=1 m (fatto come sez. rettangolare equivalente)

Sezione idraulica di riferimento: A=0.096 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	2.0	2.0	2.9	2.9	3.5	3.5
Larghezza	[m]	B	0.89	0.89	0.89	0.89	0.89	0.89
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.08	0.08	0.08	0.08	0.08	0.08
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.02	-	0.020	-	0.020	-
Altezza pelo libero	[m]	Y	0.44	0.80	0.58	1.03	0.67	1.17
Quota pelo libero	[m s.l.m.]	Zp	0.44	0.80	0.58	1.03	0.67	1.17
Area	[m^2]	A	0.39	0.71	0.51	0.91	0.60	1.03
Perimetro bagnato	[m]	P	1.76	2.49	2.05	2.95	2.23	3.22
Raggio idraulico	[m]	R	0.22	0.29	0.25	0.31	0.27	0.32
Velocità media	[m/s]	U	5.16	2.81	5.63	3.18	5.87	3.38
Carico specifico	[m]	E	1.79	1.21	2.20	1.54	2.43	1.75
Carico totale	[m s.l.m.]	H	1.79	1.21	2.20	1.54	2.43	1.75
Numero di Froude	[-]	Fr	2.49	1.00	2.36	1.00	2.28	1.00
Altezza minima intradosso (*)	[m]	Ym	0.89	0.89	0.89	0.89	0.89	0.89
Quota minima intradosso	[m s.l.m.]	Zi	0.89	0.89	0.89	0.89	0.89	0.89
Franco	[m]	f	0.45	0.08	0.30	-0.14	0.21	-0.28
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

(*) sezione circolare D=1 m - Utilizzato sez. rettangolare equivalente

Sezione: **LGN - m**

Bacino principale: Scrivia
Corso d'acqua: Loegnino
Località: Casalino

Descrizione: sezione a monte della tombinatura

Sezione idraulica di riferimento: A=0.096 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	2.0	2.0	2.9	2.9	3.5	3.5
Larghezza	[m]	B	1.15	1.15	1.15	1.15	1.15	1.15
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.08	0.08	0.08	0.08	0.08	0.08
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.04	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.56	0.68	0.74	0.87	0.85	0.98
Quota pelo libero	[m s.l.m.]	Zp	0.56	0.68	0.74	0.87	0.85	0.98
Area	[m^2]	A	0.64	0.78	0.85	1.00	0.98	1.13
Perimetro bagnato	[m]	P	2.26	2.50	2.62	2.88	2.86	3.11
Raggio idraulico	[m]	R	0.28	0.31	0.32	0.35	0.34	0.36
Velocità media	[m/s]	U	3.13	2.57	3.42	2.91	3.57	3.10
Carico specifico	[m]	E	1.06	1.01	1.33	1.30	1.50	1.47
Carico totale	[m s.l.m.]	H	1.06	1.01	1.33	1.30	1.50	1.47
Numero di Froude	[-]	Fr	1.34	1.00	1.27	1.00	1.23	1.00
Altezza minima intradosso	[m]	Ym	1.10	1.10	1.10	1.10	1.10	1.10
Quota minima intradosso	[m s.l.m.]	Zi	1.10	1.10	1.10	1.10	1.10	1.10
Franco	[m]	f	0.54	0.42	0.36	0.23	0.25	0.12
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Sezione: **CRO - imb**

Bacino principale: Scrivia
Corso d'acqua: Rio Croci
Località: Casalino

Descrizione: Imbocco copertura finale

Sezione idraulica di riferimento: A=0.179 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	3.8	3.8	5.5	5.5	6.6	6.6
Larghezza	[m]	B	1.30	1.30	1.30	1.30	1.30	1.30
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.06	0.06	0.06	0.06	0.06	0.06
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.04	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.91	0.96	1.23	1.22	1.43	1.38
Quota pelo libero	[m s.l.m.]	Zp	0.91	0.96	1.23	1.22	1.43	1.38
Area	[m^2]	A	1.19	1.24	1.60	1.59	1.85	1.79
Perimetro bagnato	[m]	P	3.13	3.21	3.76	3.74	4.15	4.06
Raggio idraulico	[m]	R	0.38	0.39	0.43	0.42	0.45	0.44
Velocità media	[m/s]	U	3.20	3.06	3.44	3.46	3.56	3.68
Carico specifico	[m]	E	1.44	1.43	1.83	1.83	2.07	2.07
Carico totale	[m s.l.m.]	H	1.44	1.43	1.83	1.83	2.07	2.07
Numero di Froude	[-]	Fr	1.07	1.00	0.99	1.00	0.95	1.00
Altezza minima intradosso	[m]	Ym	1.53	1.53	1.53	1.53	1.53	1.53
Quota minima intradosso	[m s.l.m.]	Zi	1.53	1.53	1.53	1.53	1.53	1.53
Franco	[m]	f	0.62	0.58	0.30	0.31	0.11	0.15
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Sezione: **CRO - m**

Bacino principale: Scrivia
Corso d'acqua: Rio Croci
Località: Casalino

Descrizione: sezione a monte della tombinatura

Sezione idraulica di riferimento: A=0.179 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	3.8	3.8	5.5	5.5	6.6	6.6
Larghezza	[m]	B	2.50	2.50	2.50	2.50	2.50	2.50
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.06	0.06	0.06	0.06	0.06	0.06
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.04	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.50	0.62	0.64	0.79	0.72	0.89
Quota pelo libero	[m s.l.m.]	Zp	0.50	0.62	0.64	0.79	0.72	0.89
Area	[m^2]	A	1.24	1.54	1.60	1.98	1.81	2.23
Perimetro bagnato	[m]	P	3.49	3.74	3.78	4.08	3.95	4.28
Raggio idraulico	[m]	R	0.35	0.41	0.42	0.48	0.46	0.52
Velocità media	[m/s]	U	3.07	2.46	3.45	2.78	3.64	2.96
Carico specifico	[m]	E	0.98	0.93	1.24	1.19	1.40	1.34
Carico totale	[m s.l.m.]	H	0.98	0.93	1.24	1.19	1.40	1.34
Numero di Froude	[-]	Fr	1.39	1.00	1.38	1.00	1.37	1.00
Altezza minima intradosso	[m]	Ym	1.40	1.40	1.40	1.40	1.40	1.40
Quota minima intradosso	[m s.l.m.]	Zi	1.40	1.40	1.40	1.40	1.40	1.40
Franco	[m]	f	0.90	0.78	0.76	0.61	0.68	0.51
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Sezione: **REG**

Bacino principale: Scrivia
Corso d'acqua: Rio Regiosi
Località: Casella

Descrizione: Sbocco Tombinatura

Sezione idraulica di riferimento: A= 0.126 Km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	2.7	2.7	3.9	3.9	4.6	4.6
Larghezza	[m]	B	1.00	1.00	1.00	1.00	1.00	1.00
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.07	0.07	0.07	0.07	0.07	0.07
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.040	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.88	0.91	1.18	1.16	1.36	1.29
Quota pelo libero	[m s.l.m.]	Zp	0.88	0.91	1.18	1.16	1.36	1.29
Area	[m^2]	A	0.88	0.91	1.18	1.16	1.36	1.29
Perimetro bagnato	[m]	P	2.75	2.81	3.37	3.31	3.72	3.58
Raggio idraulico	[m]	R	0.32	0.32	0.35	0.35	0.37	0.36
Velocità media	[m/s]	U	3.08	2.98	3.29	3.37	3.38	3.56
Carico specifico	[m]	E	1.36	1.36	1.74	1.74	1.94	1.94
Carico totale	[m s.l.m.]	H	1.36	1.36	1.74	1.74	1.94	1.94
Numero di Froude	[-]	Fr	1.05	1.00	0.97	1.00	0.93	1.00
Altezza minima intradosso (*)	[m]	Ym	0.75	0.75	0.75	0.75	0.75	0.75
Quota minima intradosso	[m s.l.m.]	Zi	0.75	0.75	0.75	0.75	0.75	0.75
Franco	[m]	f	-0.13	-0.16	-0.43	-0.41	-0.61	-0.54
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

(*) sezione circolare D= 1 m luce libera al deflusso 75 cm - E' stata considerata una sezione rettangolare equivalente di 0.75x1m

Sezione: **ZUM**

Bacino principale: T. Scrivia
Corso d'acqua: Rio Zumè
Località: Ponte Savignone

Descrizione: Imbocco copertura finale

Sezione idraulica di riferimento: A=0.36 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	6.7	6.7	3.6	9.7	4.3	11.7
Larghezza	[m]	B	1.00	1.00	1.00	1.00	1.00	1.00
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.07	0.07	0.07	0.07	0.07	0.07
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.04	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	1.92	1.66	1.14	2.12	1.32	2.41
Quota pelo libero	[m s.l.m.]	Zp	1.92	1.66	1.14	2.12	1.32	2.41
Area	[m^2]	A	1.92	1.66	1.14	2.12	1.32	2.41
Perimetro bagnato	[m]	P	4.84	4.32	3.28	5.25	3.63	5.82
Raggio idraulico	[m]	R	0.40	0.38	0.35	0.40	0.36	0.41
Velocità media	[m/s]	U	3.49	4.04	3.20	4.57	3.29	4.86
Carico specifico	[m]	E	2.54	2.49	1.66	3.19	1.87	3.61
Carico totale	[m s.l.m.]	H	2.54	2.49	1.66	3.19	1.87	3.61
Numero di Froude	[-]	Fr	0.81	1.00	0.96	1.00	0.92	1.00
Altezza minima intradosso	[m]	Ym	2.10	2.10	2.10	2.10	2.10	2.10
Quota minima intradosso	[m s.l.m.]	Zi	2.10	2.10	2.10	2.10	2.10	2.10
Franco	[m]	f	0.18	0.44	0.96	-0.02	0.78	-0.31
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Sezione: **SN**

Bacino principale: T. Scrivia
Corso d'acqua: Rio Senza Nome
Località: Ponte Savignone

Descrizione: Imbocco copertura finale

Sezione idraulica di riferimento: A=0.139 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	2.9	2.9	4.3	4.3	5.1	5.1
Larghezza	[m]	B	1.00	1.00	1.00	1.00	1.00	1.00
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.06	0.06	0.06	0.06	0.06	0.06
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.04	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.98	0.95	1.36	1.24	1.58	1.38
Quota pelo libero	[m s.l.m.]	Zp	0.98	0.95	1.36	1.24	1.58	1.38
Area	[m^2]	A	0.98	0.95	1.36	1.24	1.58	1.38
Perimetro bagnato	[m]	P	2.96	2.90	3.72	3.47	4.15	3.77
Raggio idraulico	[m]	R	0.33	0.33	0.37	0.36	0.38	0.37
Velocità media	[m/s]	U	2.96	3.05	3.16	3.48	3.24	3.68
Carico specifico	[m]	E	1.43	1.42	1.87	1.85	2.11	2.08
Carico totale	[m s.l.m.]	H	1.43	1.42	1.87	1.85	2.11	2.08
Numero di Froude	[-]	Fr	0.95	1.00	0.86	1.00	0.82	1.00
Altezza minima intradosso	[m]	Ym	0.70	0.70	0.70	0.70	0.70	0.70
Quota minima intradosso	[m s.l.m.]	Zi	0.70	0.70	0.70	0.70	0.70	0.70
Franco	[m]	f	-0.28	-0.25	-0.66	-0.54	-0.88	-0.68
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Sezione: **LUB-imb**

Bacino principale: T. Scrivia
Corso d'acqua: Rio Lubia
Località: Ponte Savignone

Descrizione: Imbocco copertura finale

Sezione idraulica di riferimento: A=0.217 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	4.0	4.0	5.8	5.8	7.0	7.0
Larghezza	[m]	B	1.60	1.60	1.60	1.60	1.60	1.60
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.09	0.09	0.09	0.09	0.09	0.09
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.04	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.67	0.86	0.89	1.10	1.02	1.25
Quota pelo libero	[m s.l.m.]	Zp	0.67	0.86	0.89	1.10	1.02	1.25
Area	[m^2]	A	1.07	1.38	1.42	1.76	1.64	2.00
Perimetro bagnato	[m]	P	2.94	3.32	3.37	3.80	3.65	4.10
Raggio idraulico	[m]	R	0.37	0.41	0.42	0.46	0.45	0.49
Velocità media	[m/s]	U	3.72	2.91	4.09	3.29	4.27	3.50
Carico specifico	[m]	E	1.38	1.29	1.74	1.65	1.95	1.87
Carico totale	[m s.l.m.]	H	1.38	1.29	1.74	1.65	1.95	1.87
Numero di Froude	[-]	Fr	1.45	1.00	1.39	1.00	1.35	1.00
Altezza minima intradosso	[m]	Ym	1.40	1.40	1.40	1.40	1.40	1.40
Quota minima intradosso	[m s.l.m.]	Zi	1.40	1.40	1.40	1.40	1.40	1.40
Franco	[m]	f	0.73	0.54	0.51	0.30	0.38	0.15
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Sezione: **LUB-sb**

Bacino principale: T. Scrivia
Corso d'acqua: Rio Lubia
Località: Ponte Savignone

Descrizione: Sbocco copertura finale

Sezione idraulica di riferimento: A=0.217 km²

Periodo di ritorno	[anni]	T	50		200		500	
Condizioni di moto			uniforme	critiche	uniforme	critiche	uniforme	critiche
Portata	[m^3/s]	Q	4.0	4.0	5.8	5.8	7.0	7.0
Larghezza	[m]	B	2.00	2.00	2.00	2.00	2.00	2.00
Quota media fondo	[m s.l.m.]	Zf	0.00	0.00	0.00	0.00	0.00	0.00
Pendenza media fondo	[m/m]	i	0.09	0.09	0.09	0.09	0.09	0.09
Coefficiente di scabrezza	[$m^{-1/3}$ s]	n	0.04	-	0.040	-	0.040	-
Altezza pelo libero	[m]	Y	0.55	0.74	0.71	0.95	0.82	1.08
Quota pelo libero	[m s.l.m.]	Zp	0.55	0.74	0.71	0.95	0.82	1.08
Area	[m^2]	A	1.10	1.48	1.43	1.90	1.64	2.15
Perimetro bagnato	[m]	P	3.10	3.48	3.43	3.90	3.64	4.15
Raggio idraulico	[m]	R	0.35	0.43	0.42	0.49	0.45	0.52
Velocità media	[m/s]	U	3.65	2.70	4.06	3.05	4.28	3.25
Carico specifico	[m]	E	1.23	1.11	1.56	1.42	1.75	1.62
Carico totale	[m s.l.m.]	H	1.23	1.11	1.56	1.42	1.75	1.62
Numero di Froude	[-]	Fr	1.57	1.00	1.54	1.00	1.51	1.00
Altezza minima intradosso	[m]	Ym	1.00	1.00	1.00	1.00	1.00	1.00
Quota minima intradosso	[m s.l.m.]	Zi	1.00	1.00	1.00	1.00	1.00	1.00
Franco	[m]	f	0.45	0.26	0.29	0.05	0.18	-0.08
Verificata			**NO**	**NO**	**NO**	**NO**	**NO**	**NO**