REGIONE LIGURIA

AUTORITÀ DI BACINO REGIONALE

AMBITO REGIONALE DI BACINO 16

PIANO DI BACINO STRALCIO SUL RISCHIO IDROGEOLOGICO

(AI SENSI DELL'ART. 1, COMMA1, DEL D.L. 180/1998 CONVERTITO IN L. 267/1998)

ALLEGATO C

VERIFICHE IDRAULICHE

Affluenti minori in sponda sinistra

APPROVAZIONE	**Delibera del Consiglio Provinciale di Genova n. 3 del 29/01/2003**
ULTIMA MODIFICA DELL'ELABORATO	**Decreto digitale del Direttore Generale n. 131 del 21/05/2018**
ENTRATA IN VIGORE	**BURL n. 22 del 30/05/2018 - parte II**

SOMMARIO

RIO REZZA

FOSSO SAN SALVATORE

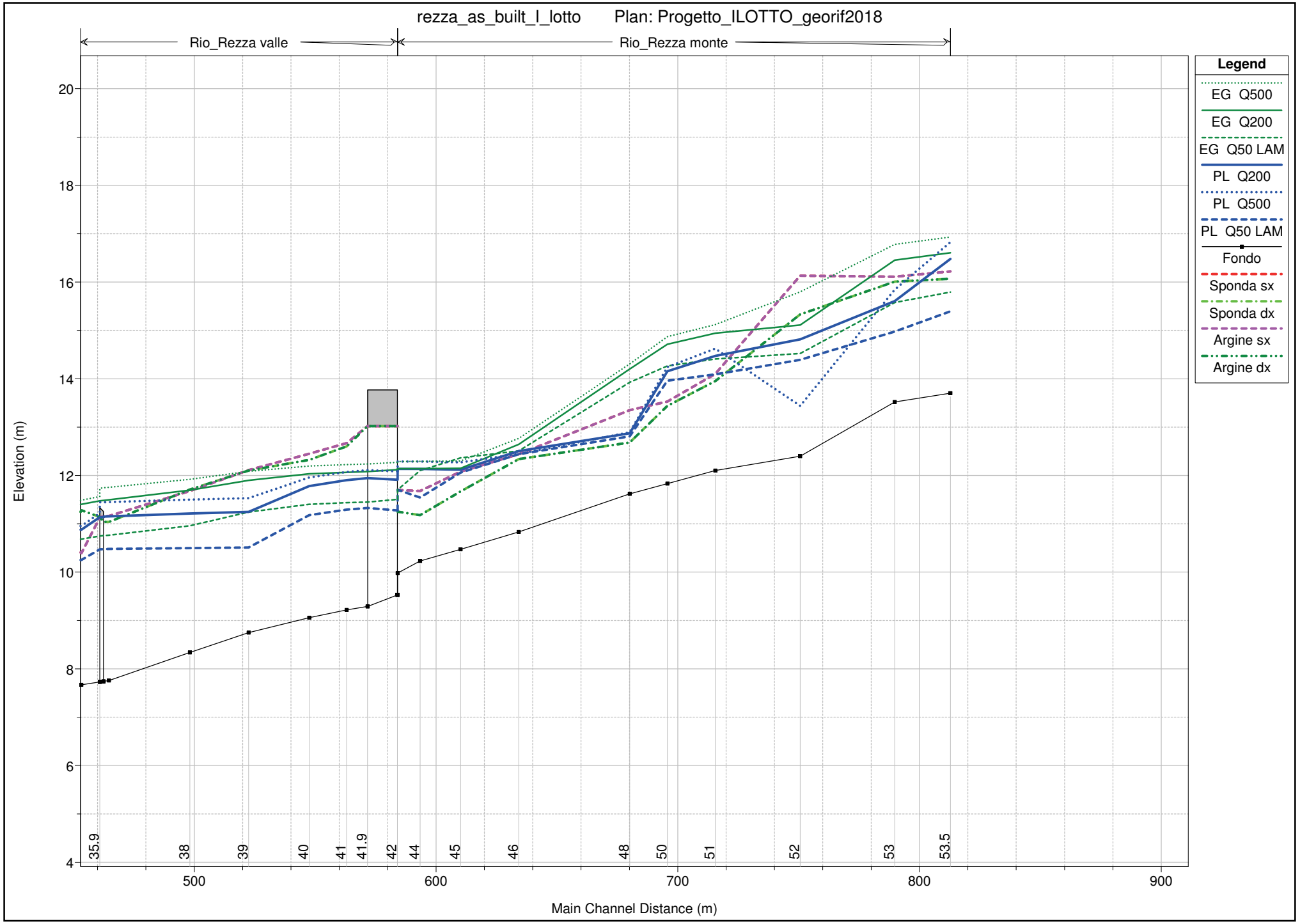
RIO PESSA

RIO RONDANEA

RIO REZZA

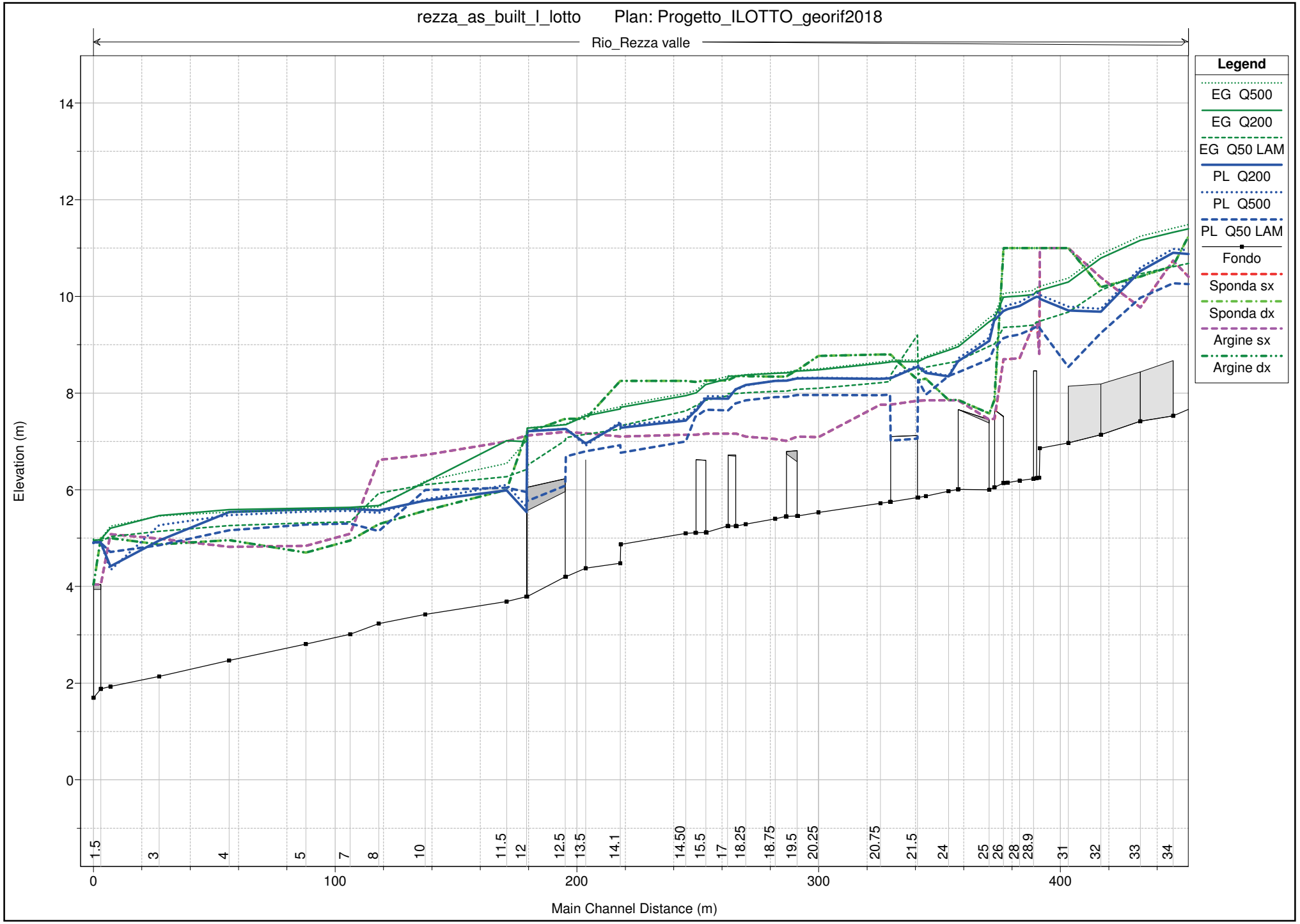
DALLA SEZIONE REZ53 ALLA REZ1

- PROFILI DI CORRENTE
- SEZIONI IDRAULICHE
- TABELLE DEI RISULTATI

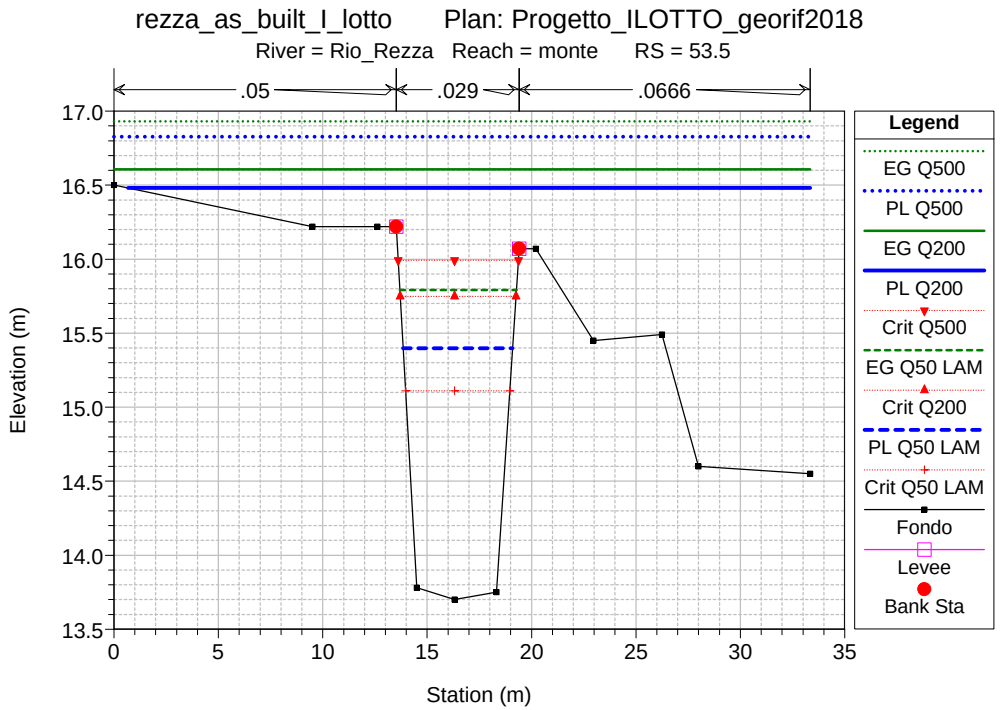


1 cm Horiz. = 20 m 1 cm Vert. = 1 m

DdDG n. 131 del 21/05/2018



1 cm Horiz. = 20 m 1 cm Vert. = 1 m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Station (m)
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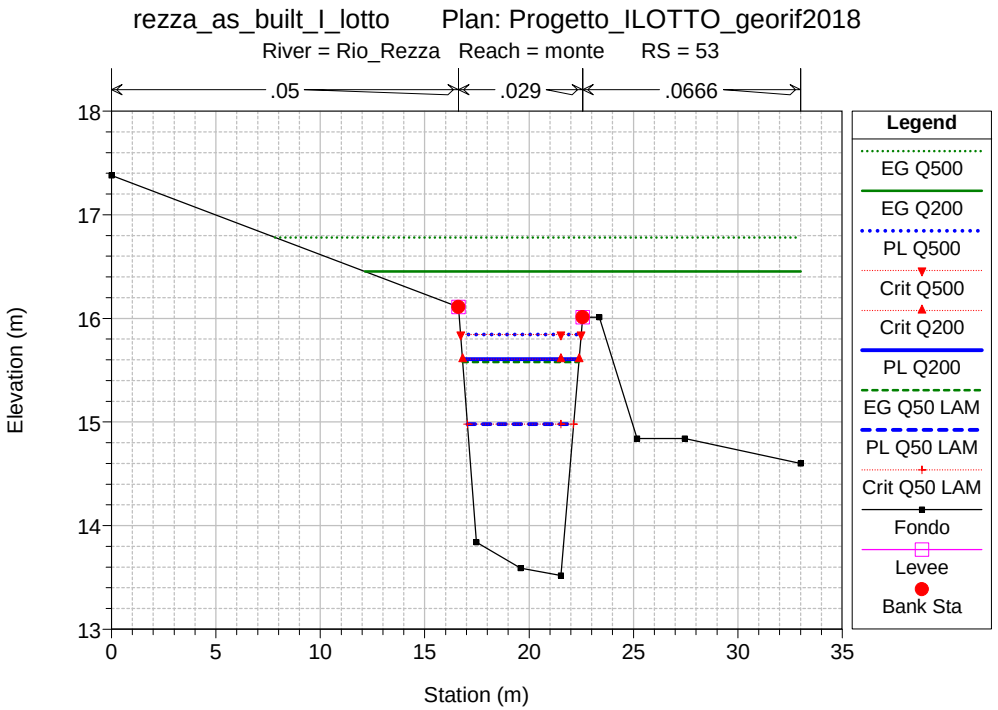
Crit Q50 LAM
Fondo
Levee
Bank Sta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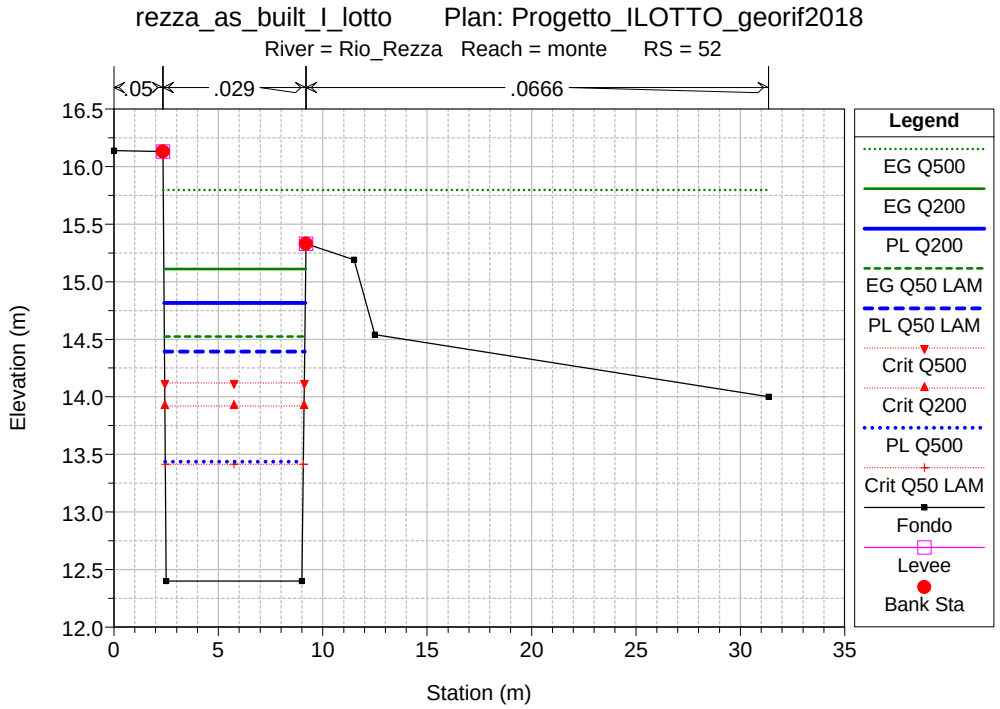
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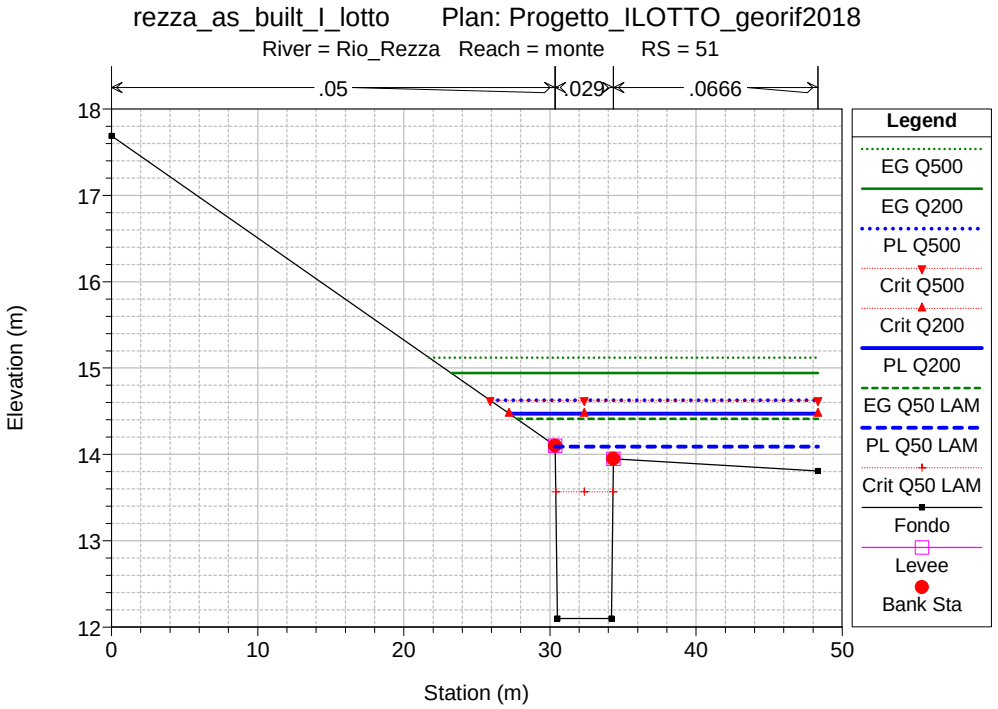
Bank Sta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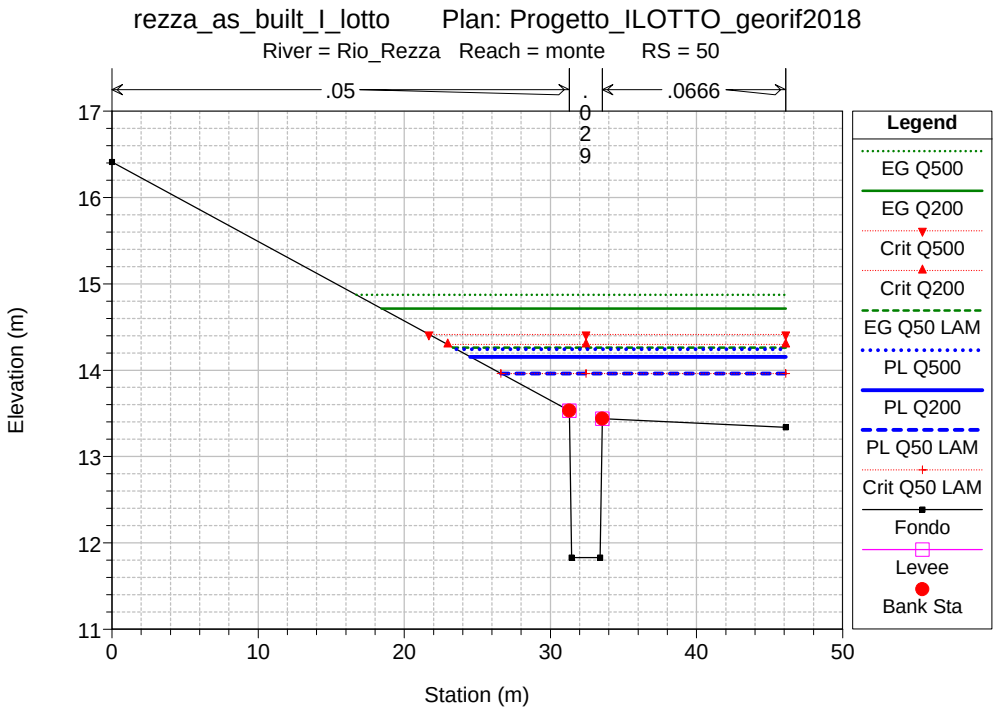
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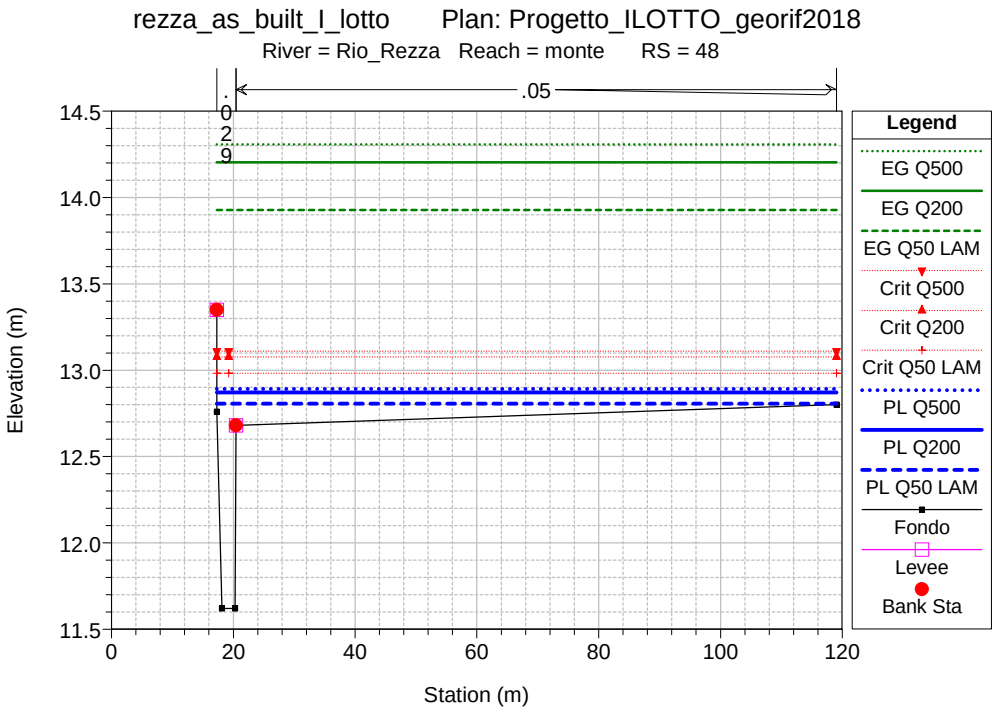
Levee
Bank Sta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Levee
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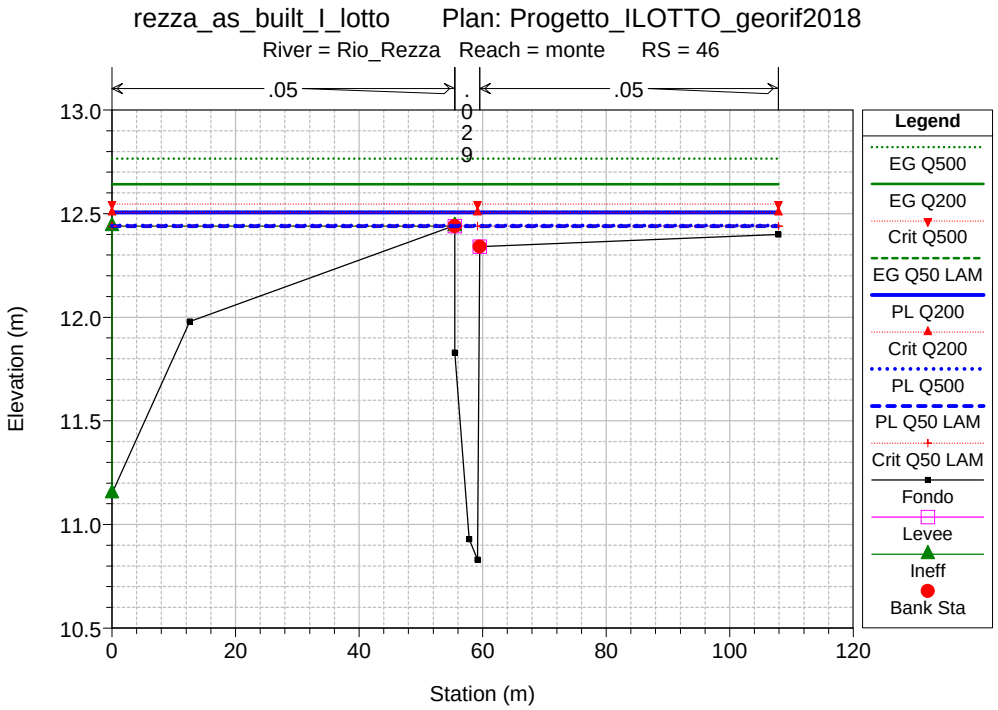
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Crit Q50 LAM
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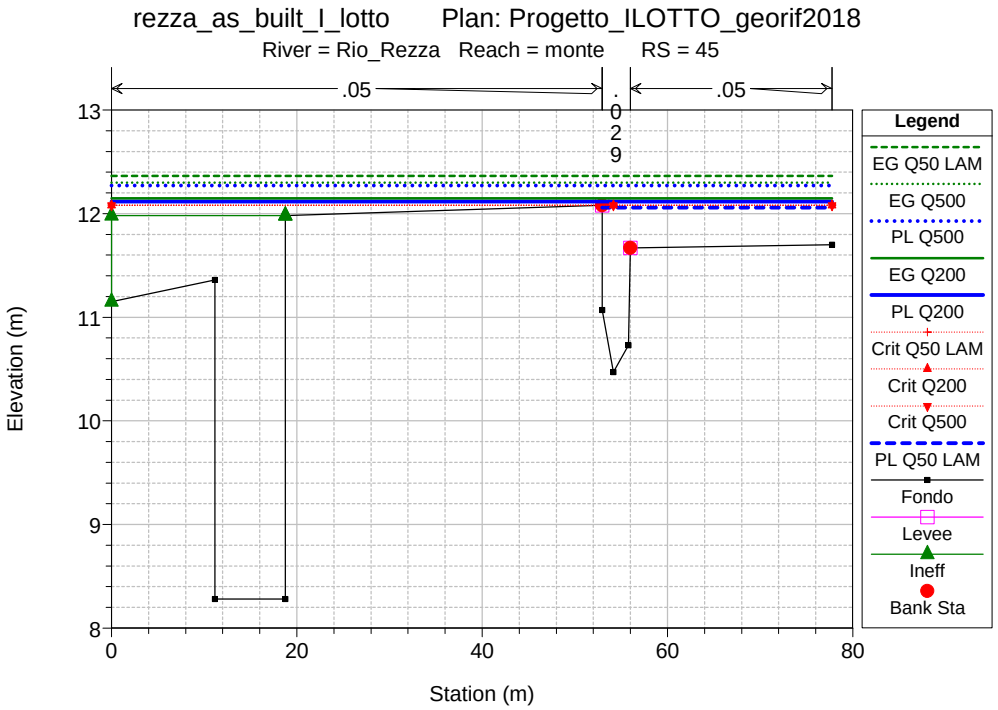
Levee
Ineff
Bank Sta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Station (m)
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Crit Q200
Crit Q500
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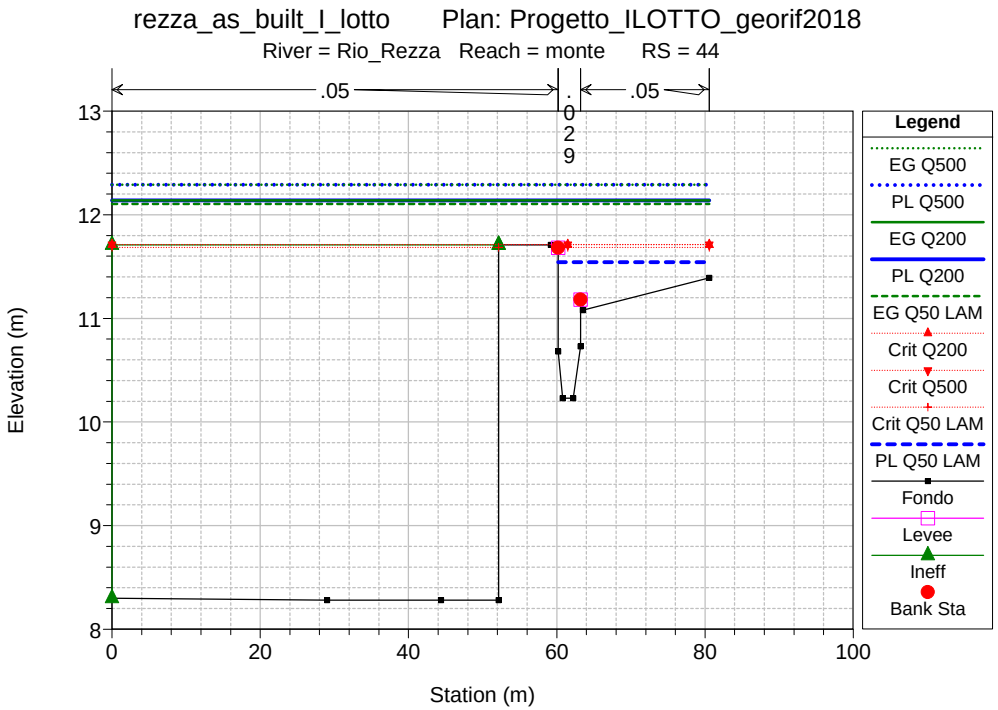
Fondo
Levee
Ineff
Bank Sta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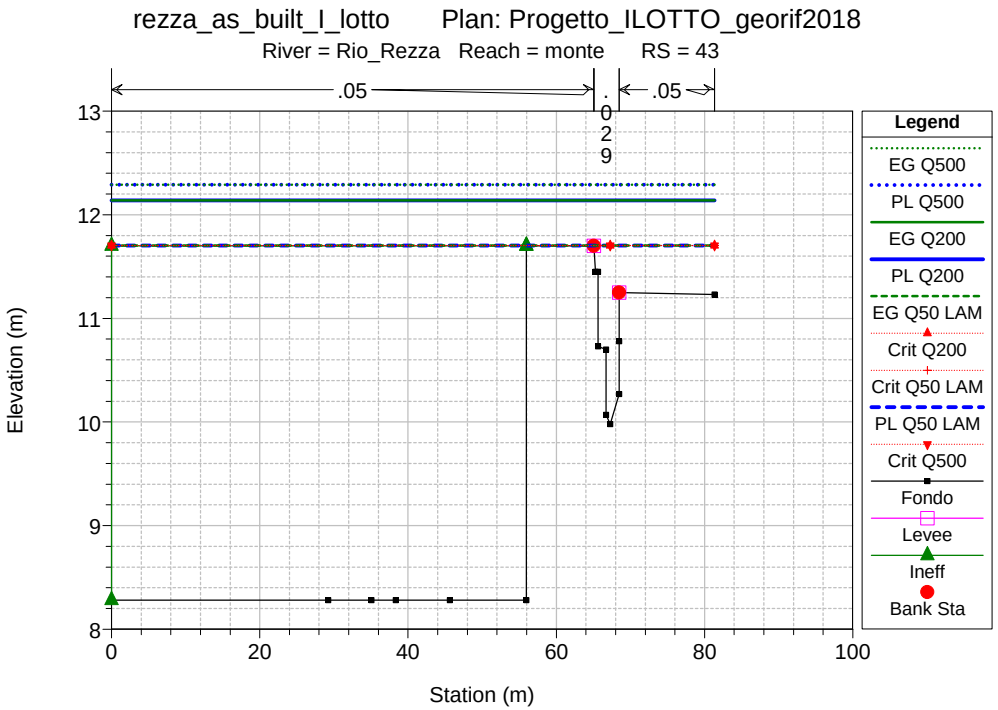
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Station (m)
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PL Q50 LAM
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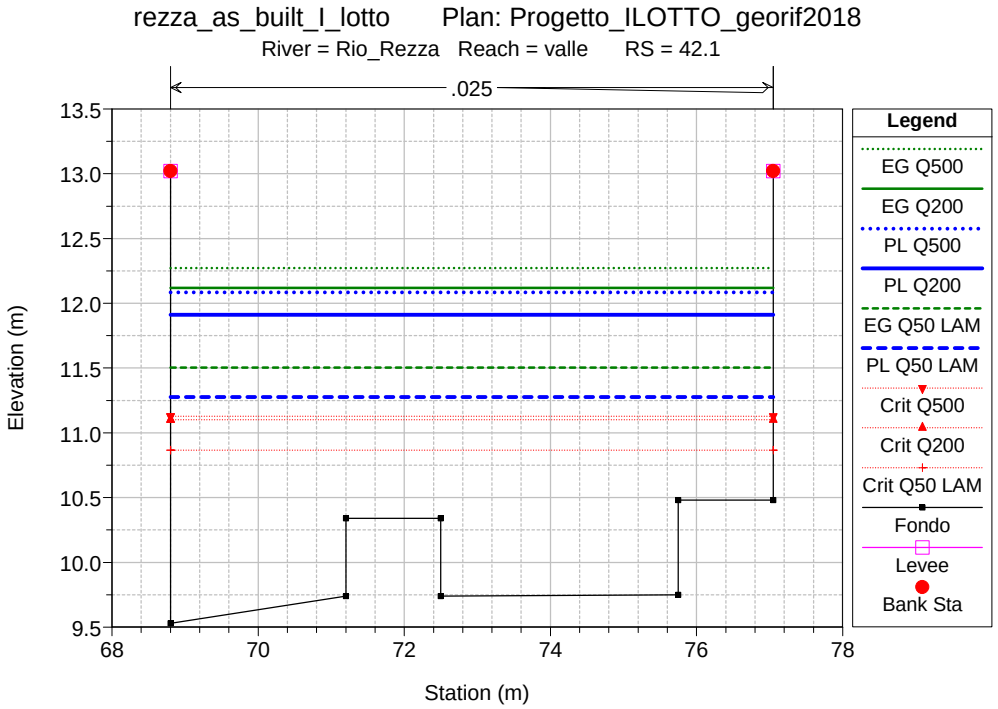
Levee
Ineff
Bank Sta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PL Q50 LAM
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Crit Q200
Crit Q50 LAM
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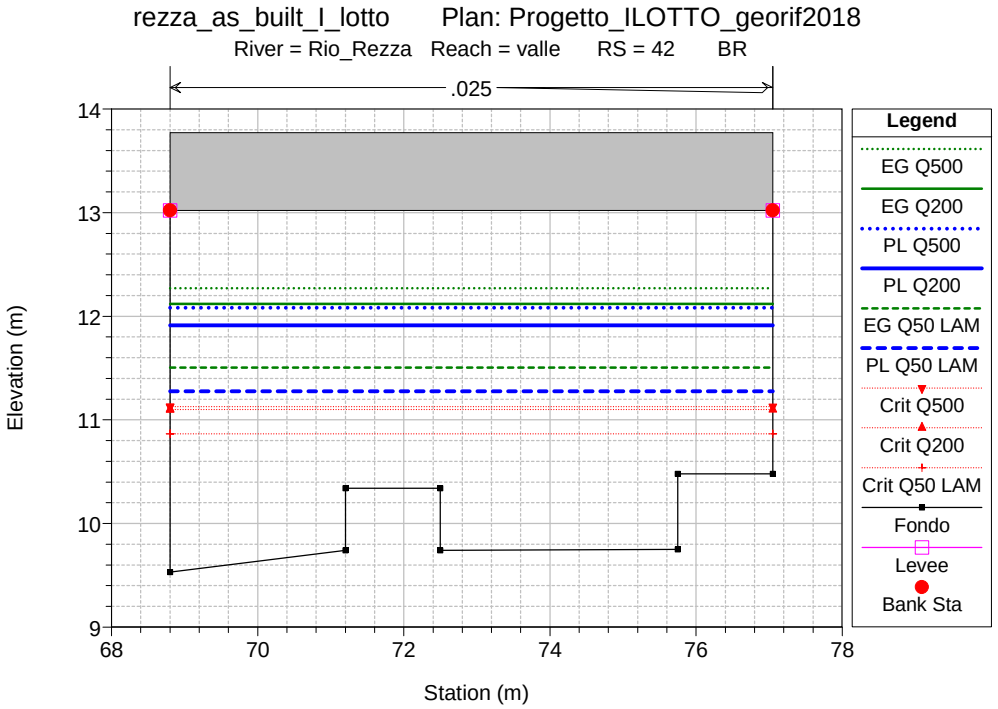
Levee
Bank Sta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Elevation (m)
Station (m)
Legend
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Crit Q50 LAM
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Levee
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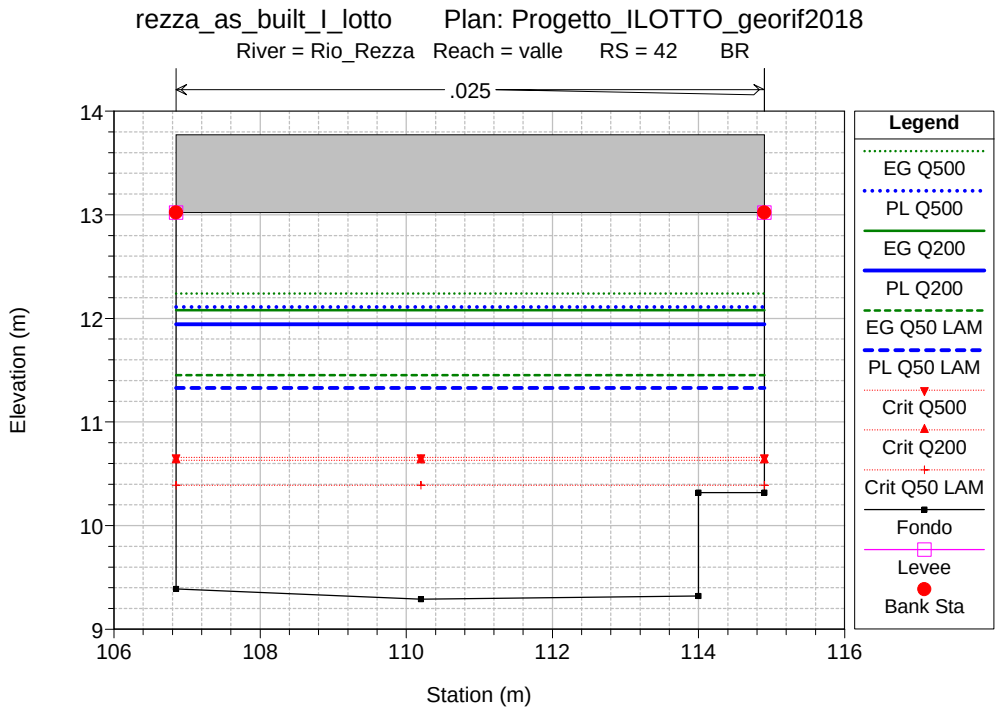
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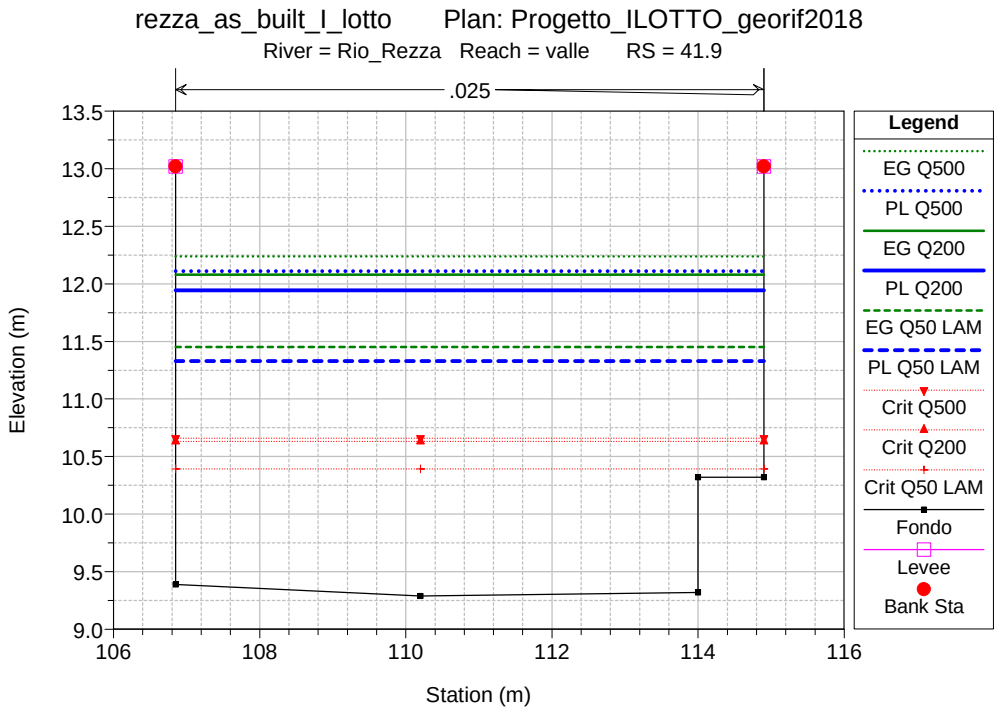
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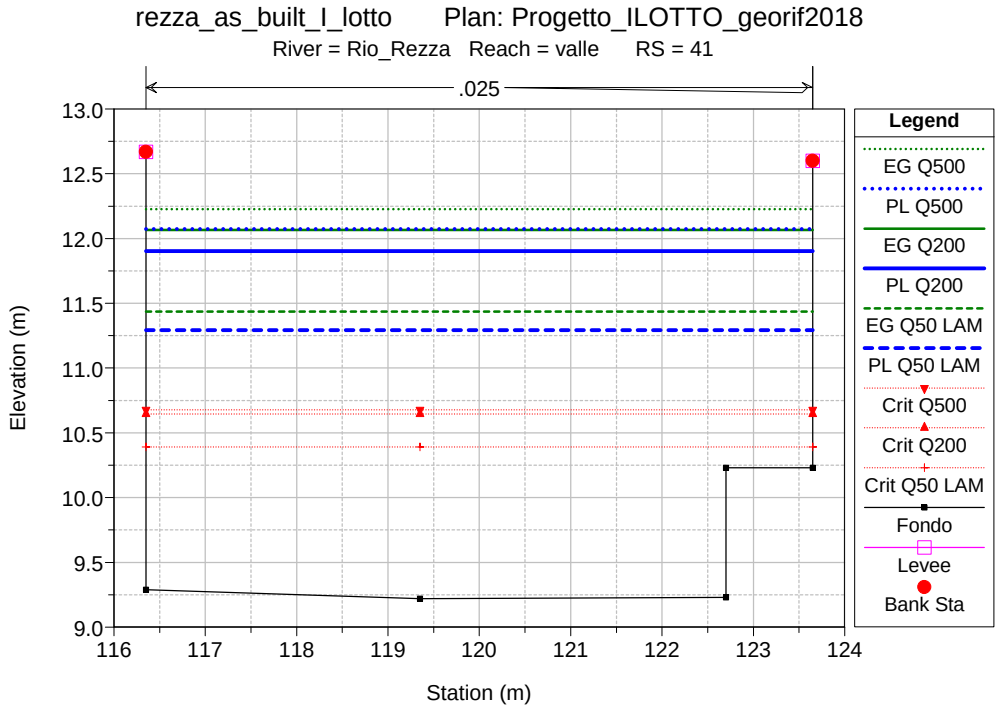
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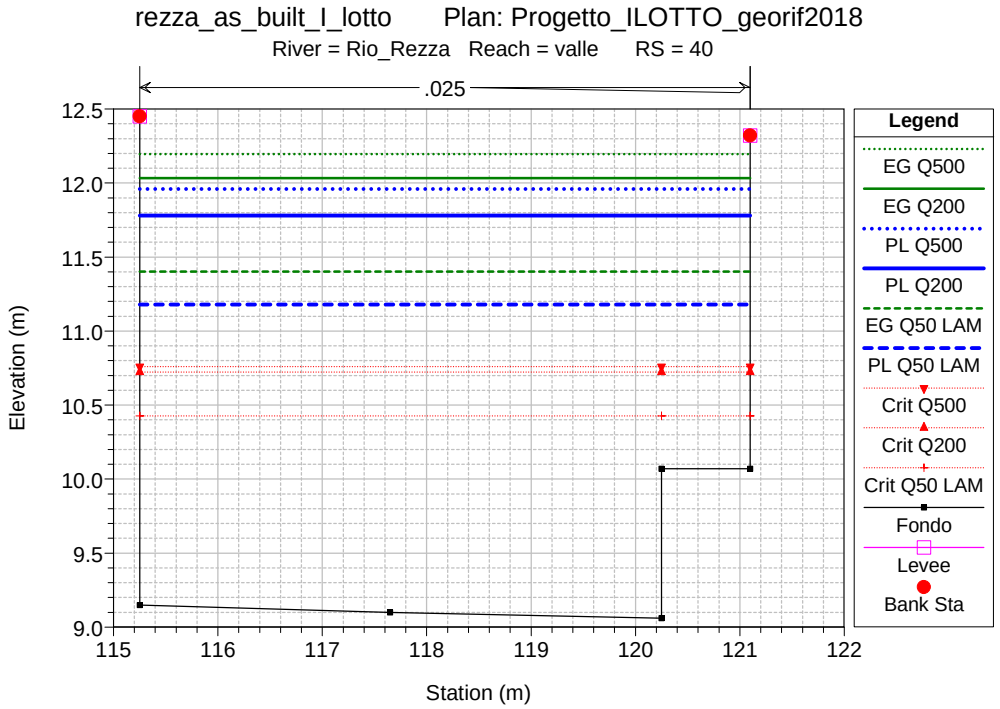
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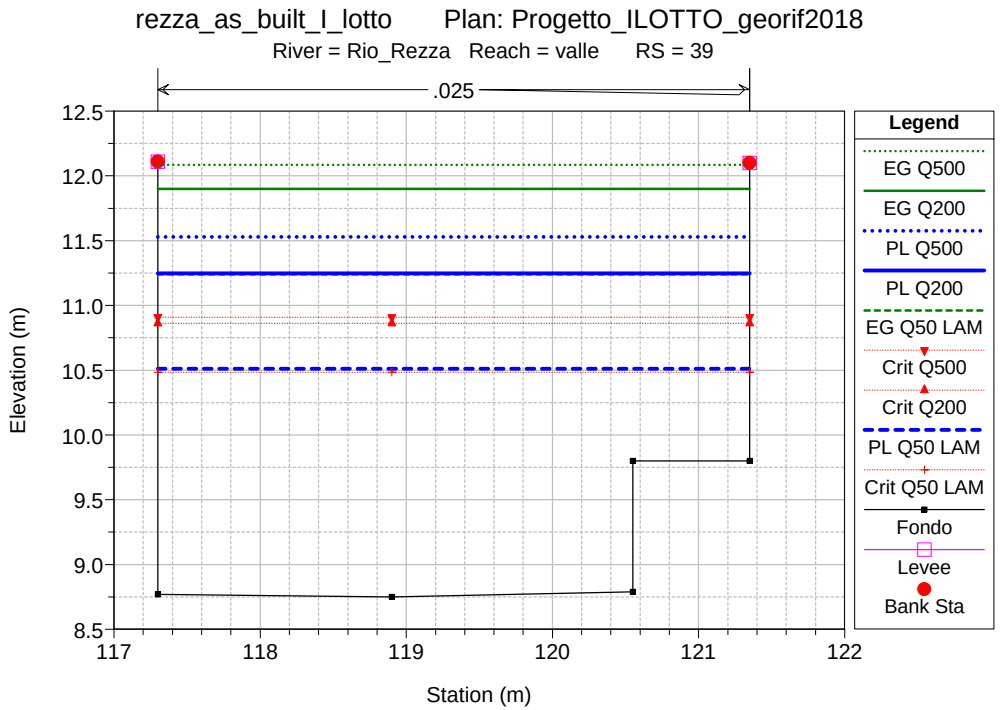
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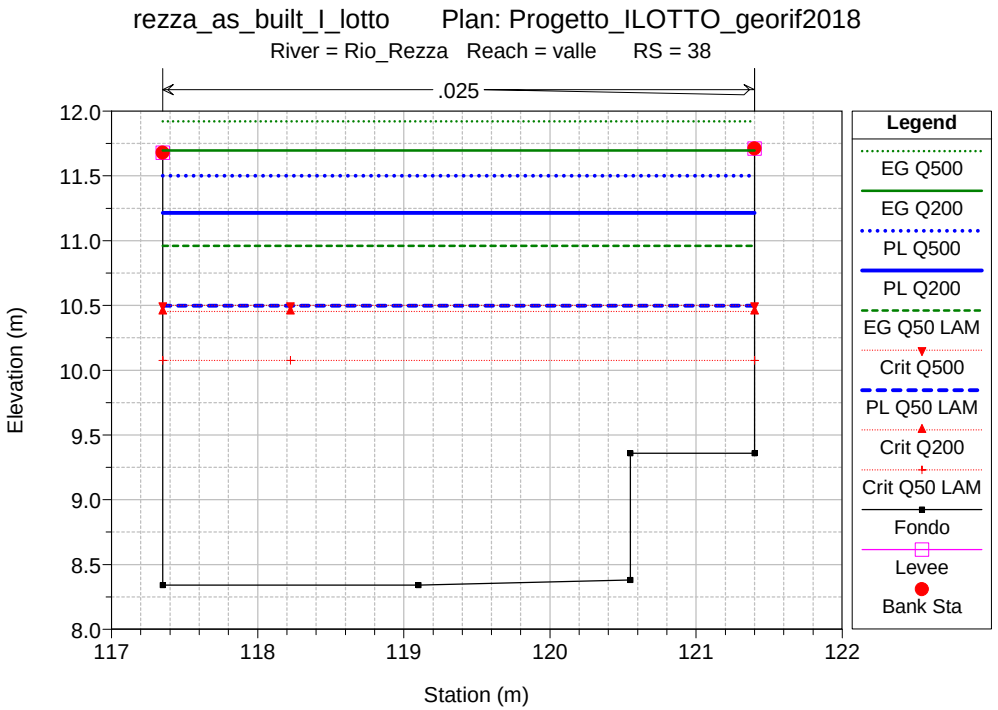
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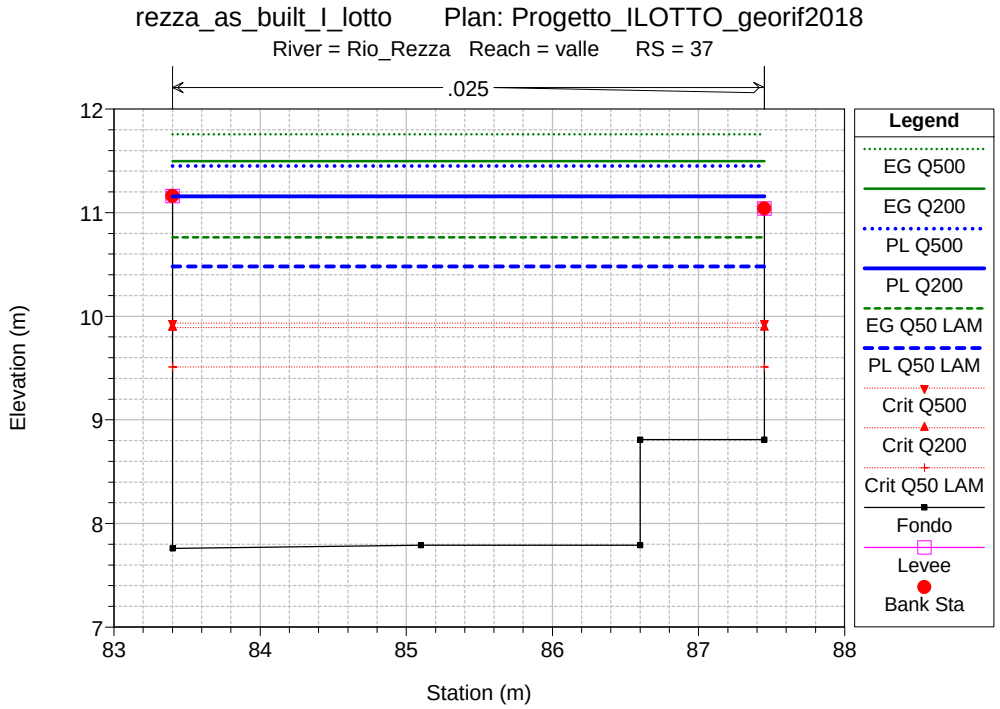
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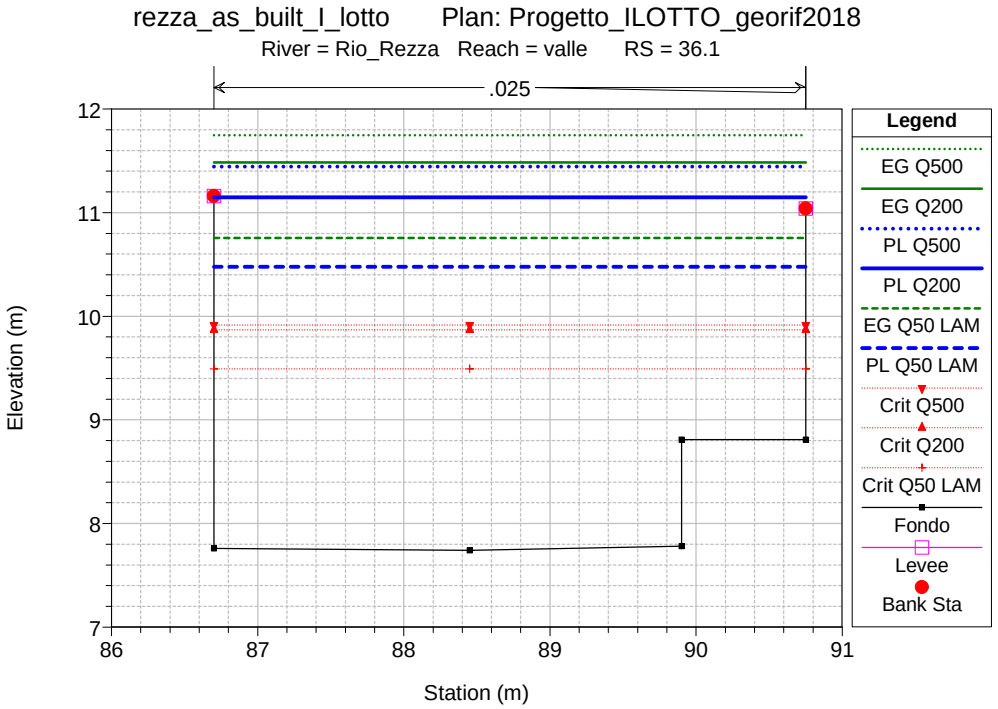
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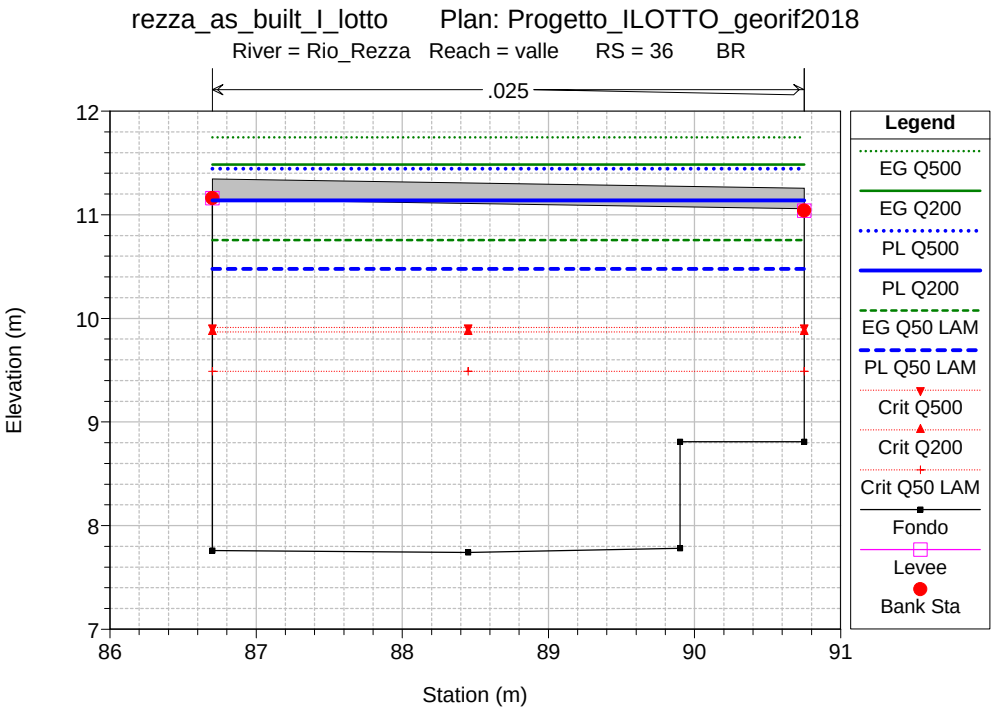
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Station (m)
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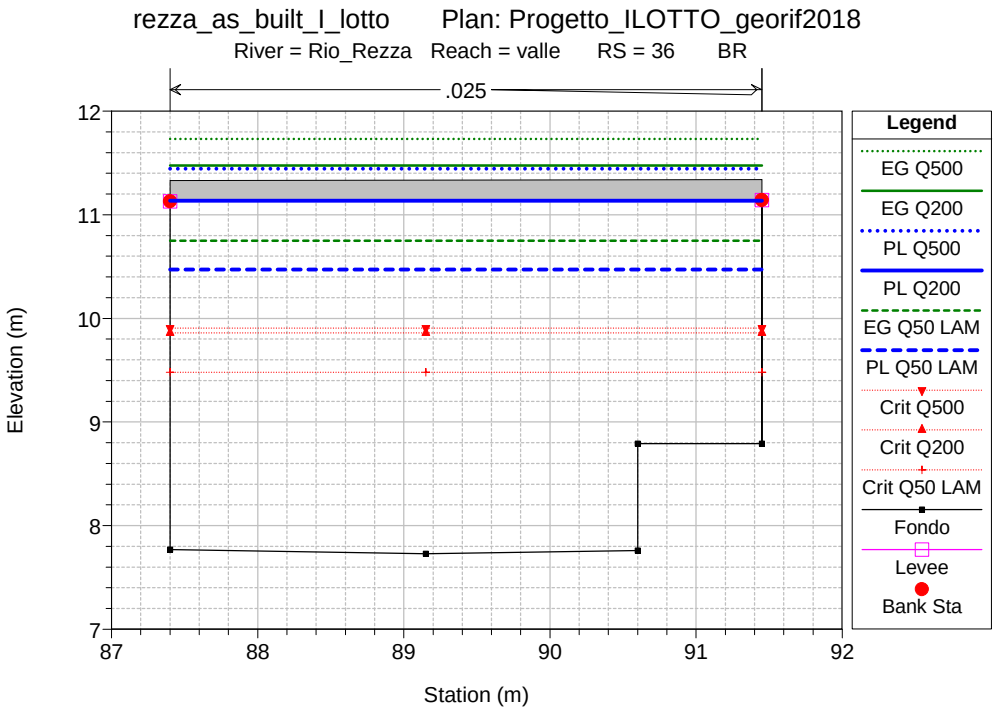
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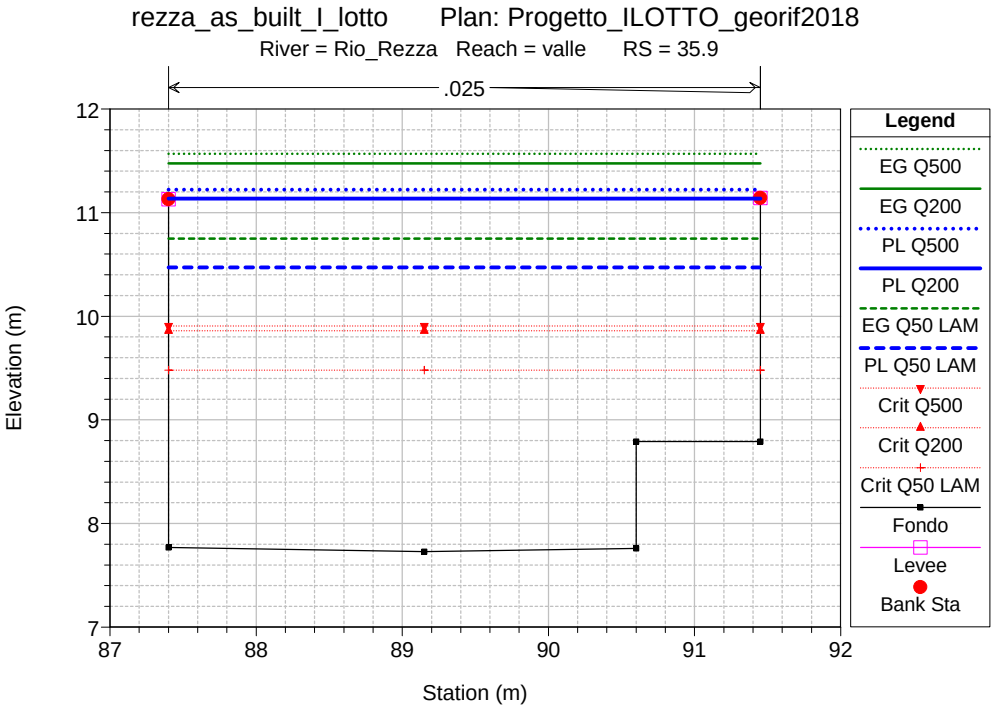
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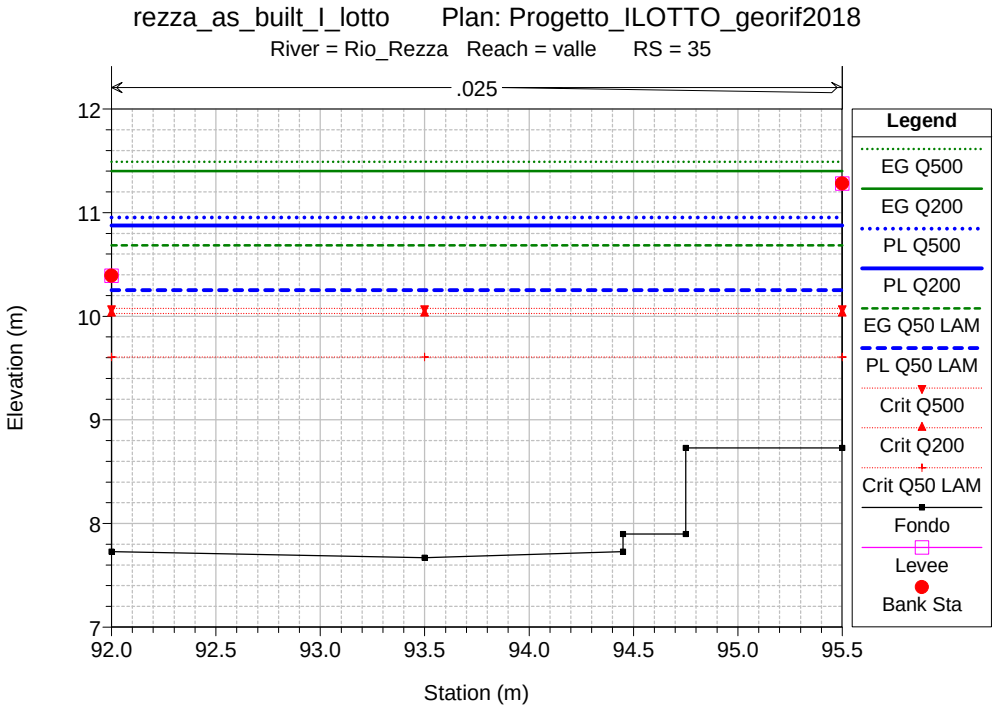
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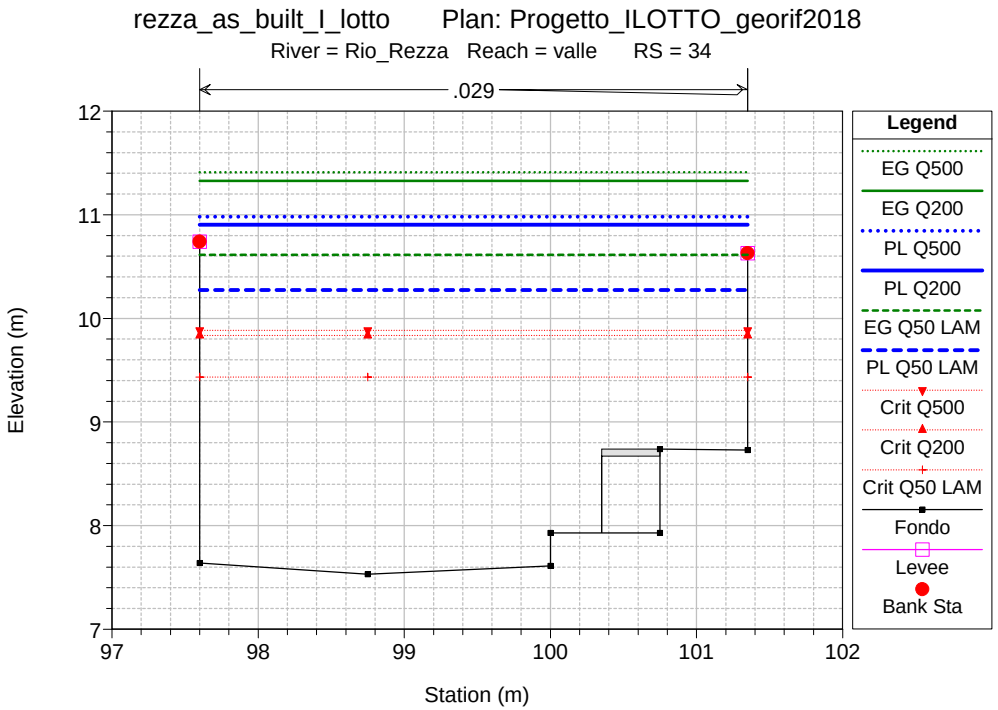
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Elevation (m)
Station (m)
Legend
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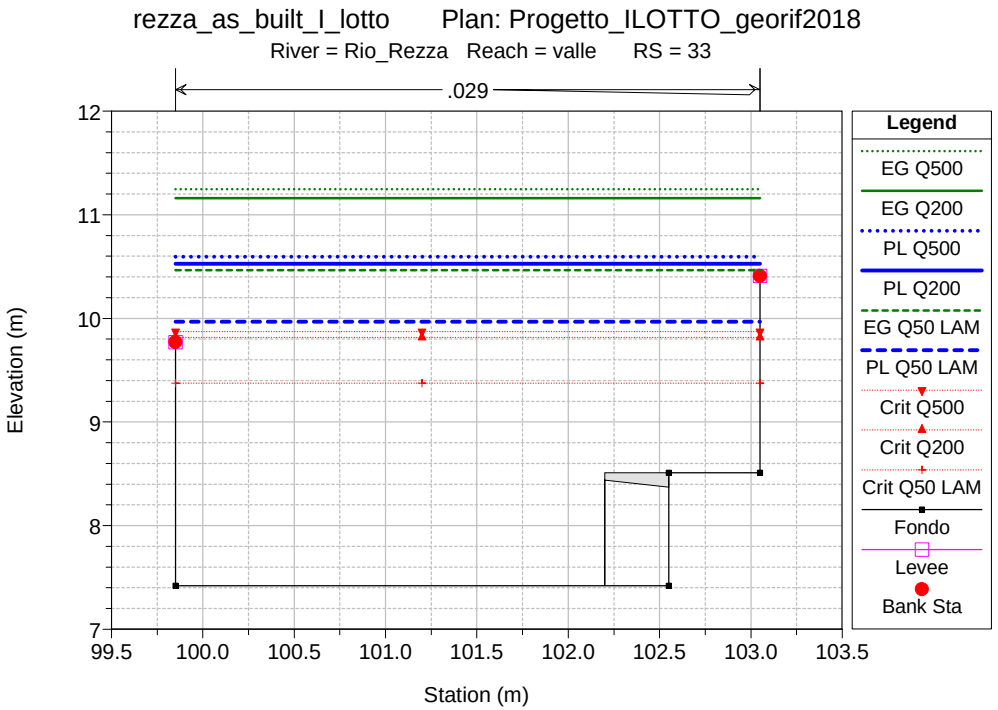
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Station (m)
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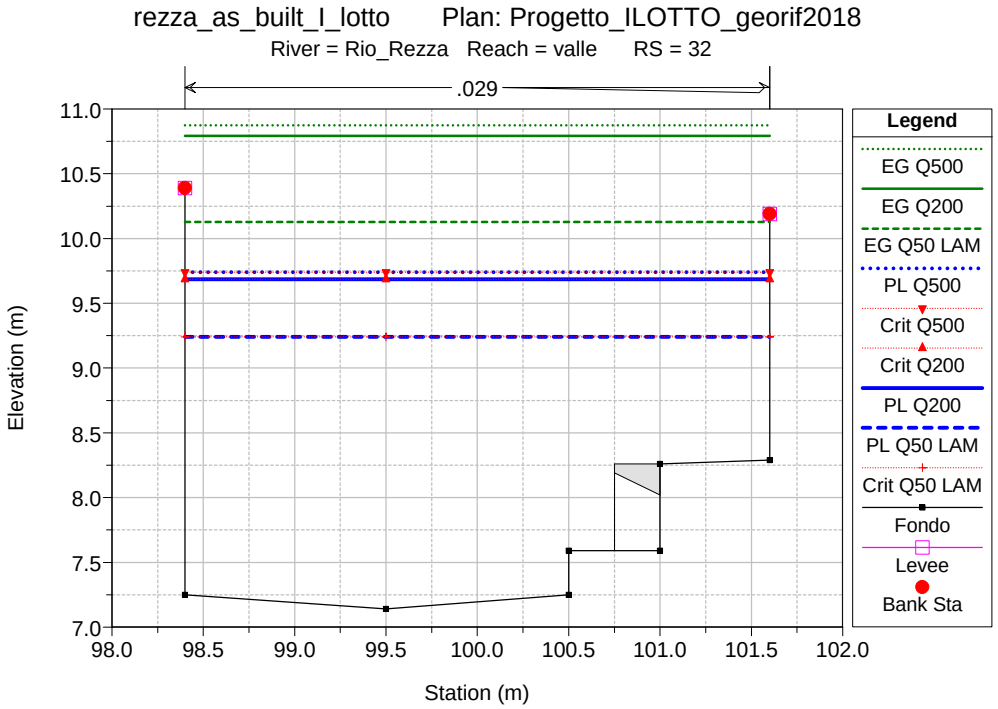
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Station (m)
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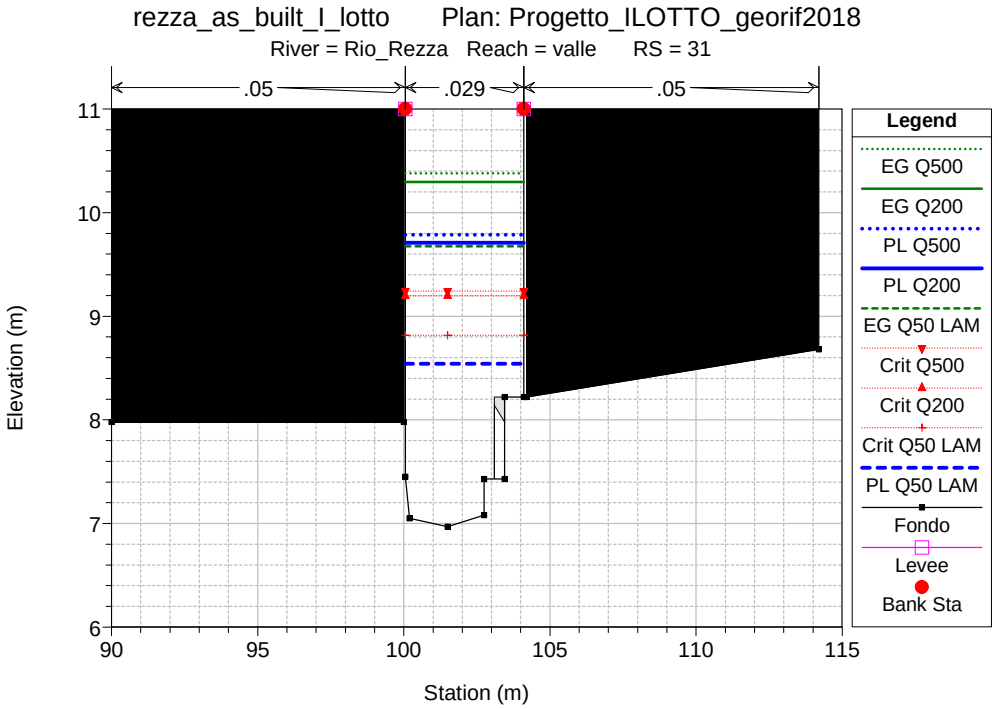
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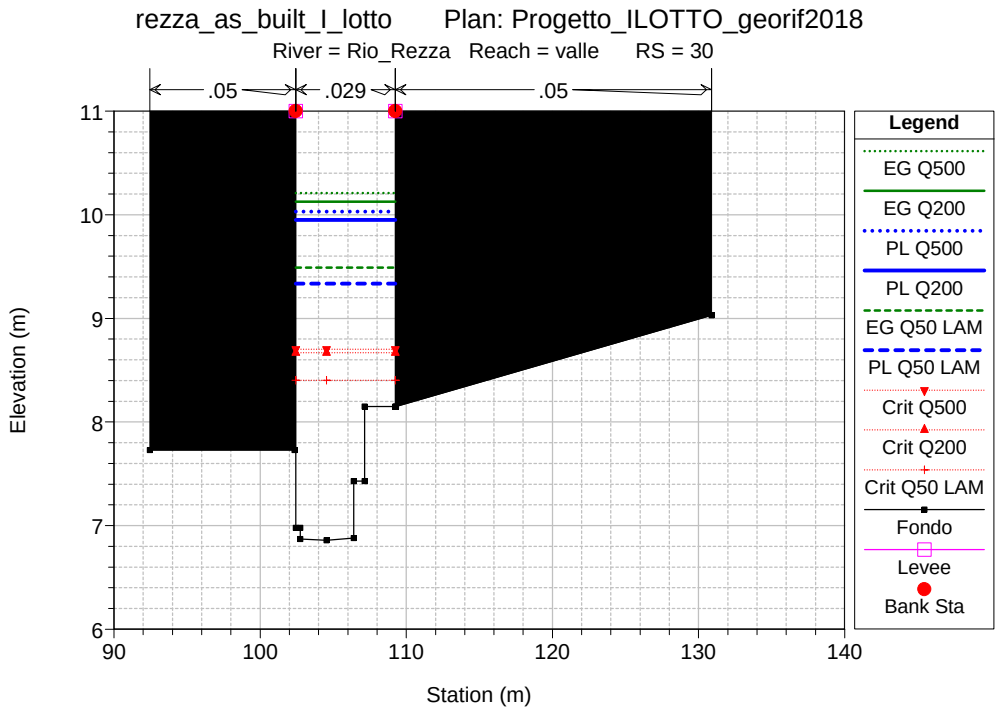
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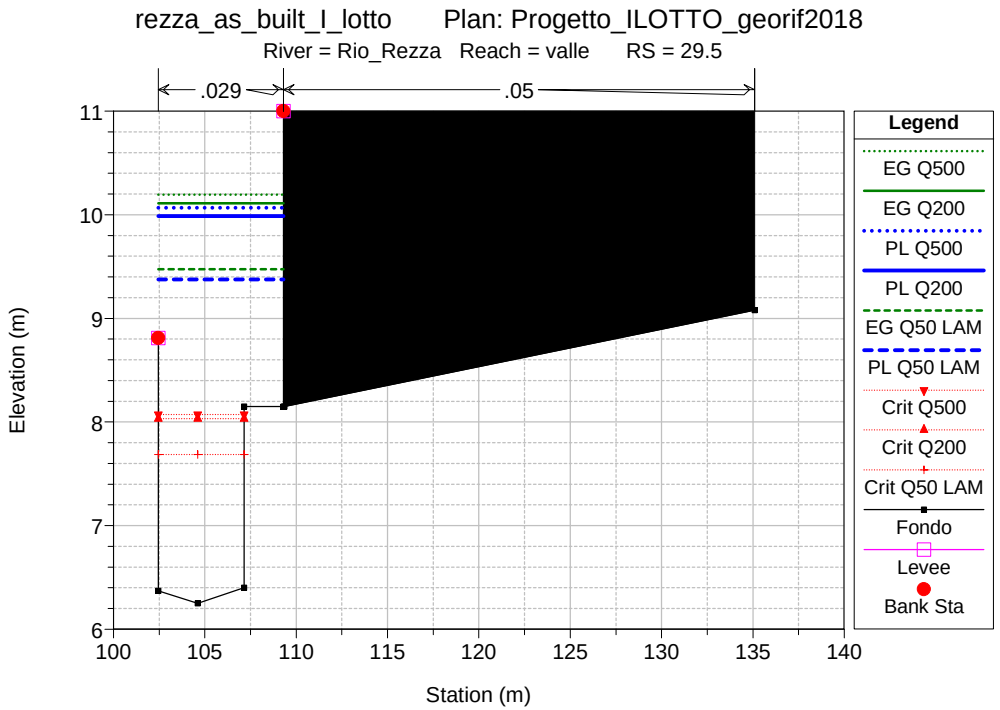
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Elevation (m)
Station (m)
Legend
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PL Q50 LAM
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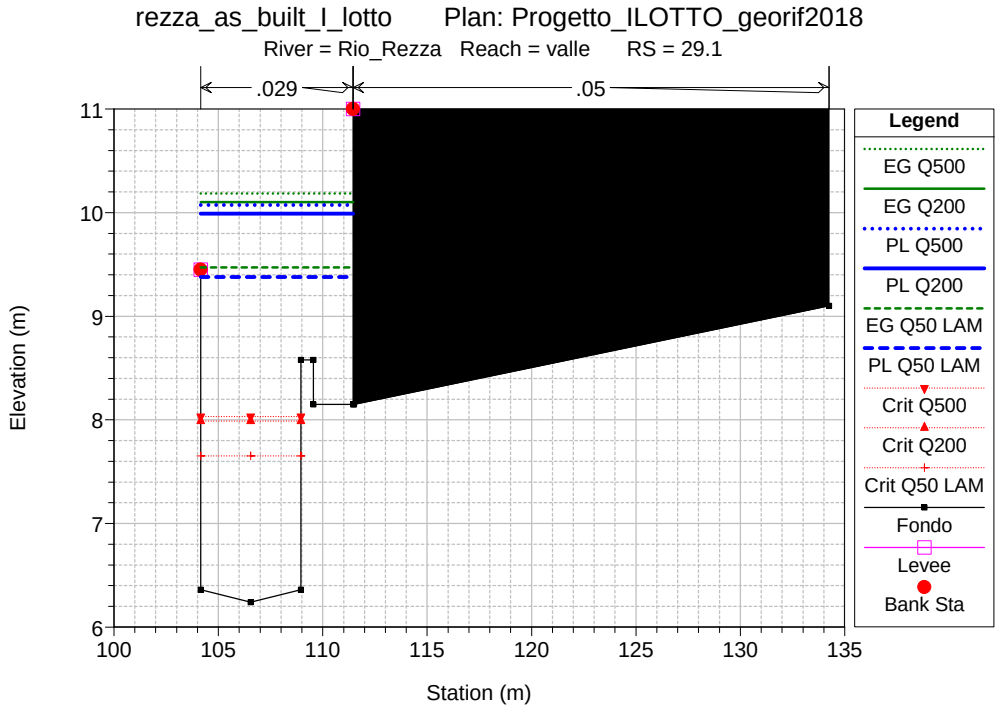
Levee
Bank Sta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Station (m)
Legend
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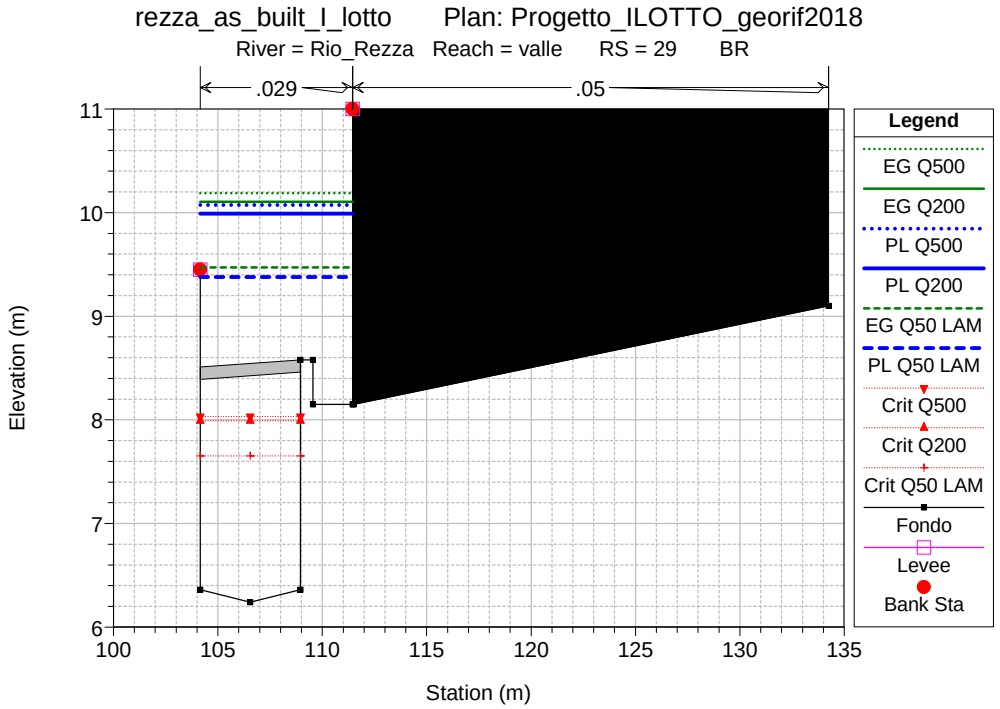
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Station (m)
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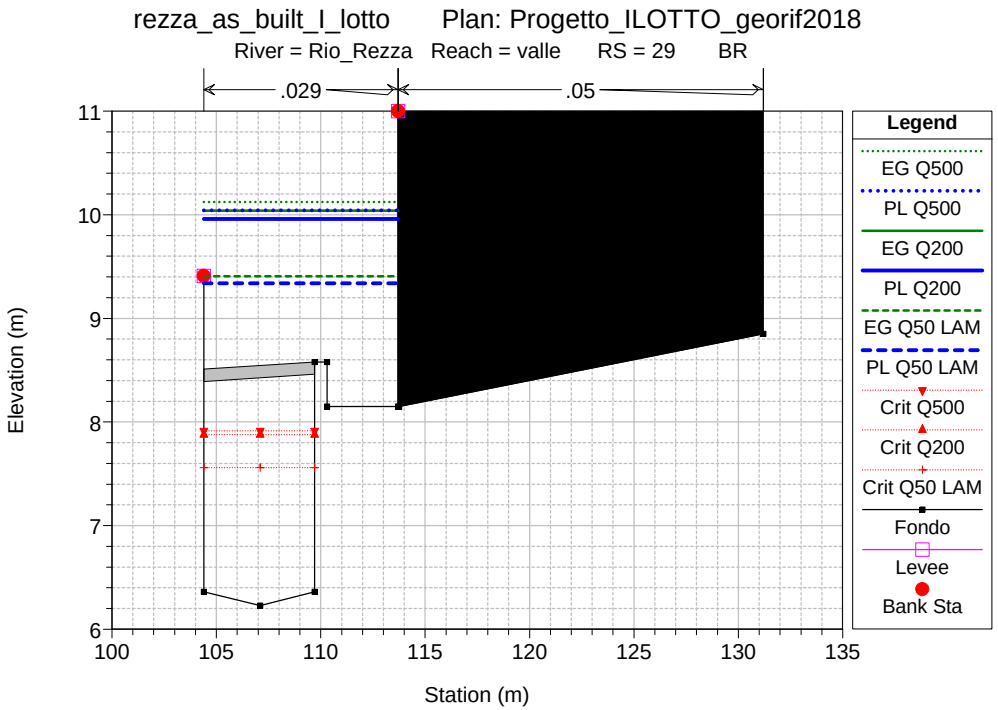
Levee
Bank Sta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Station (m)
Legend
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Crit Q50 LAM
Fondo
Levee
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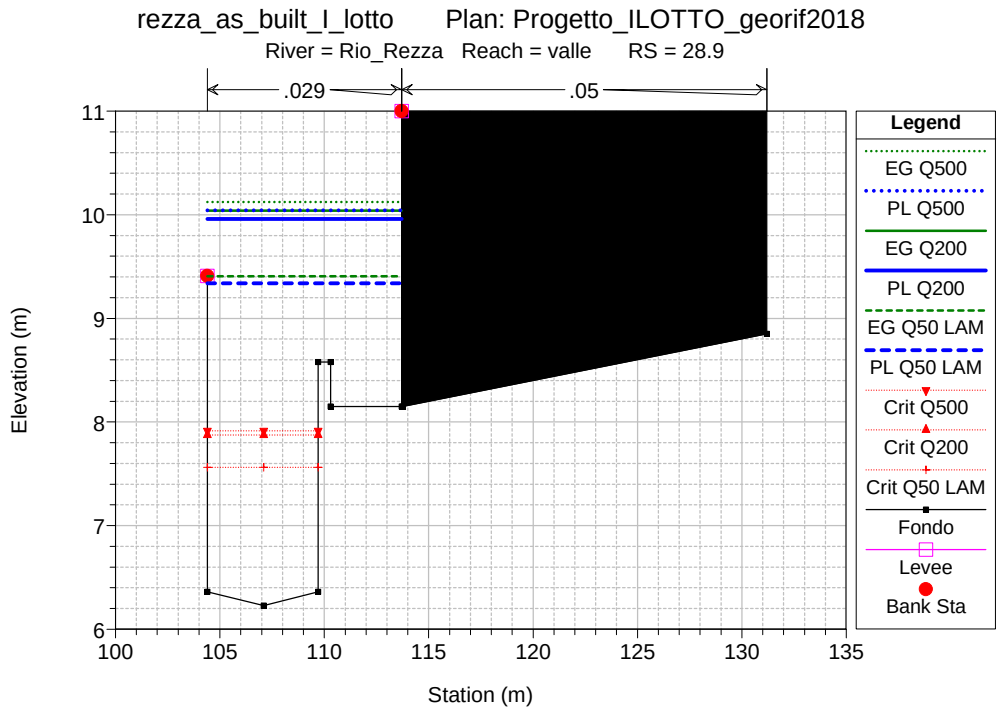
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Station (m)
Legend
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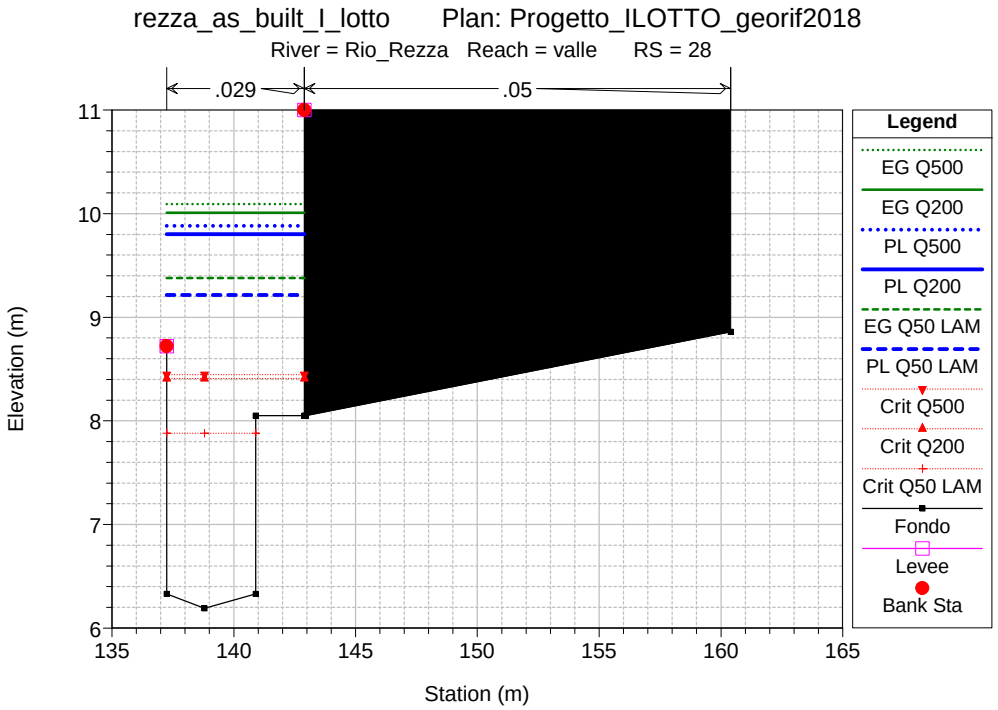
Levee
Bank Sta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PL Q50 LAM
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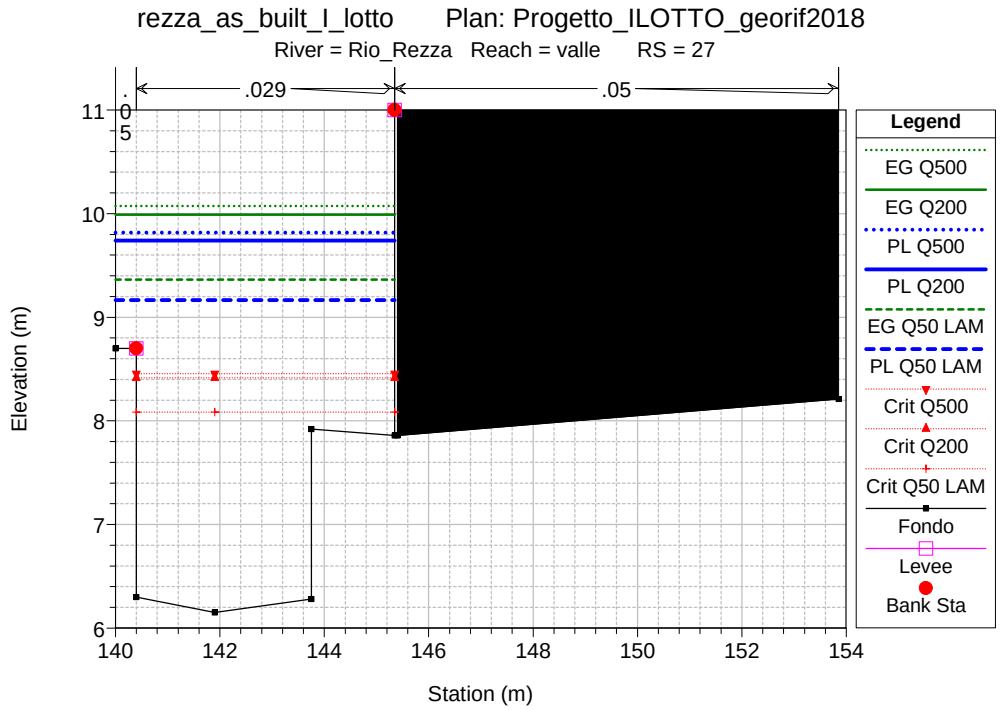
Crit Q50 LAM
Fondo
Levee
Bank Sta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Station (m)
Legend
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PL Q50 LAM
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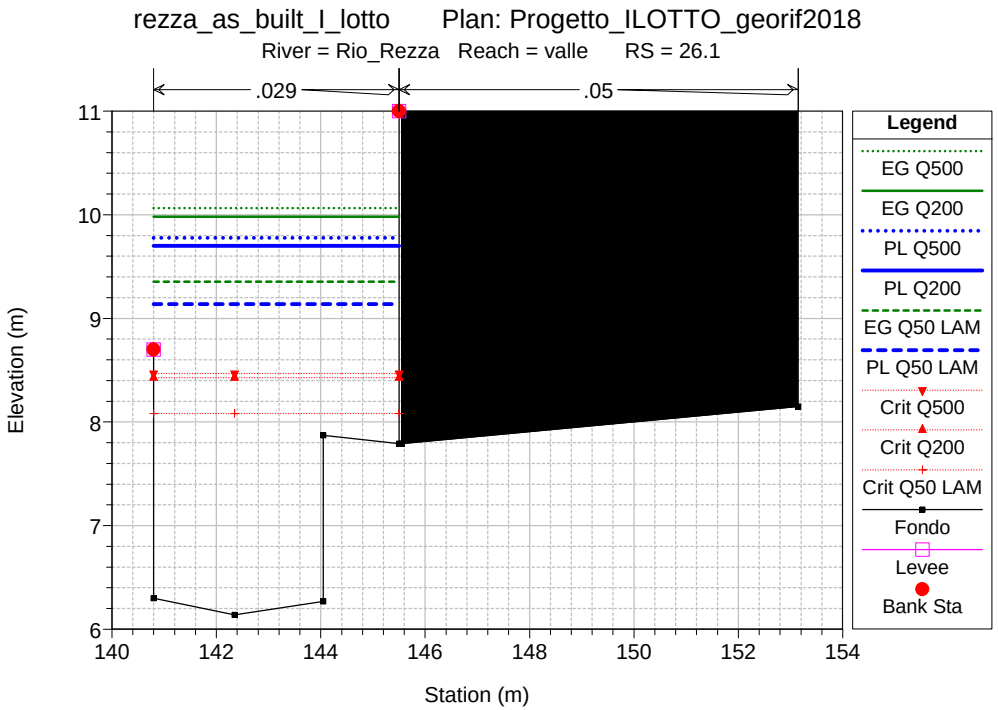
Levee
Bank Sta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Station (m)
Legend
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PL Q50 LAM
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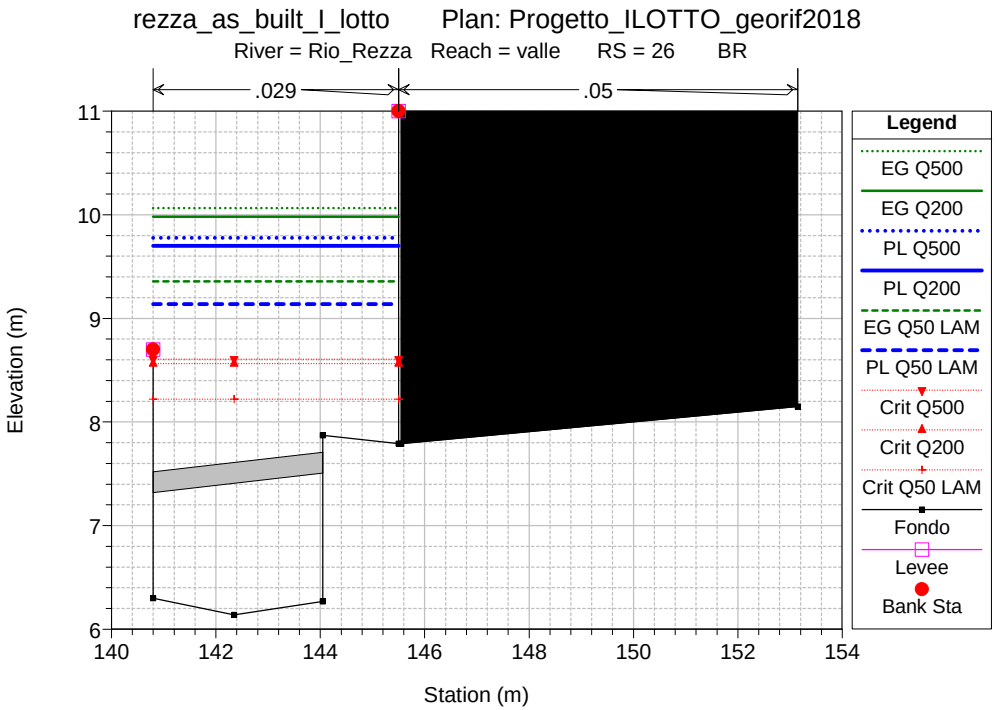
Levee
Bank Sta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Station (m)
Legend
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PL Q50 LAM
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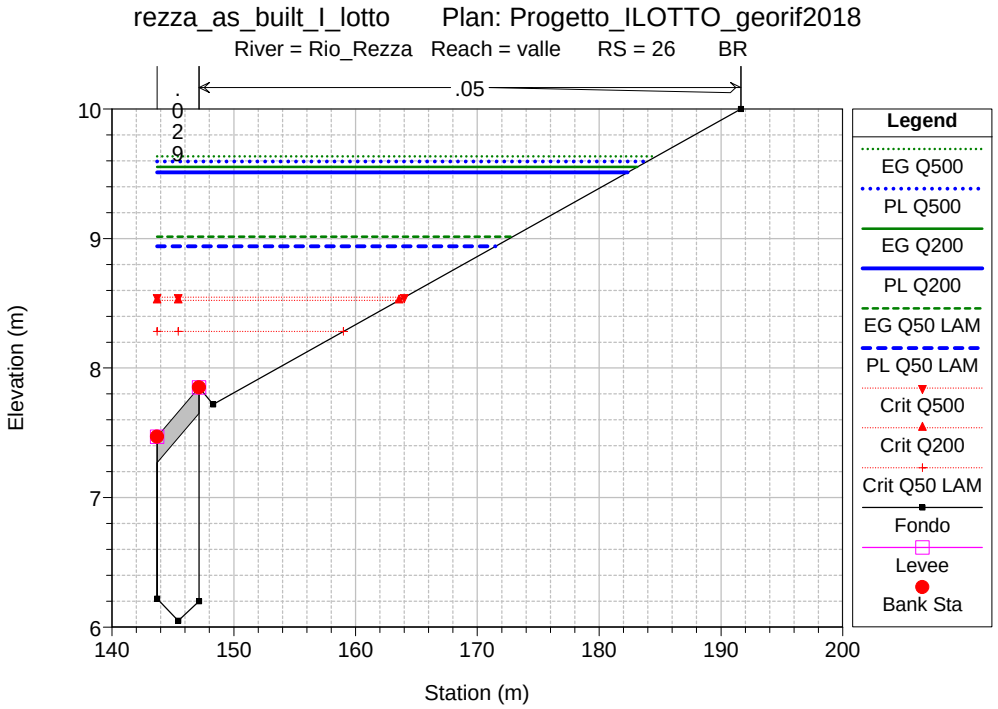
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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Elevation (m)
Station (m)
Legend
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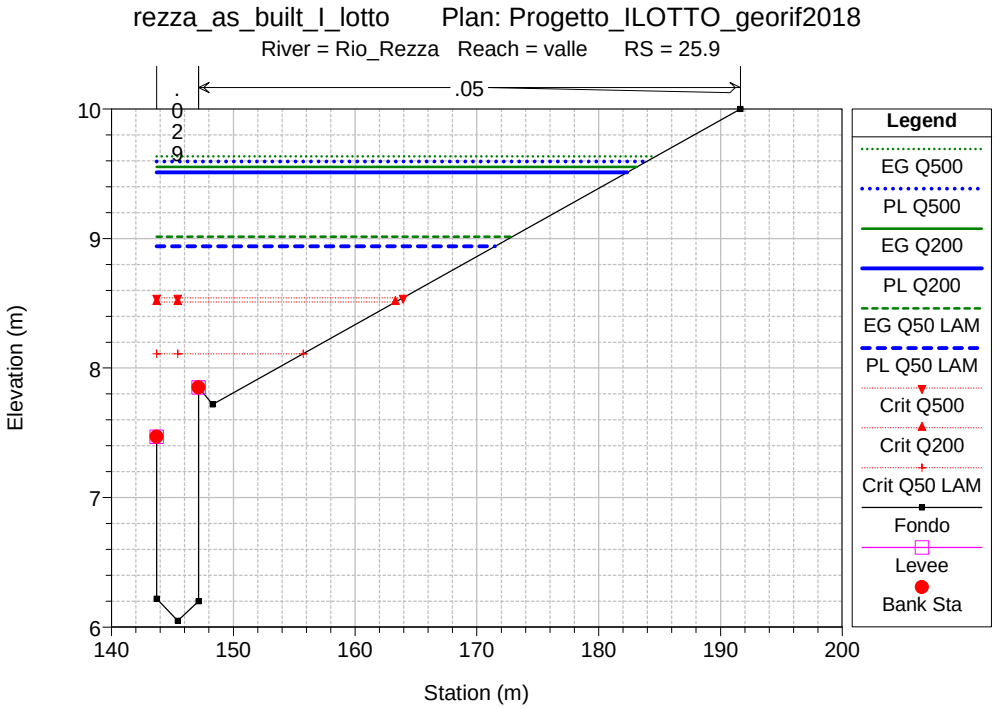
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Elevation (m)
Station (m)
Legend
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PL Q200
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PL Q50 LAM
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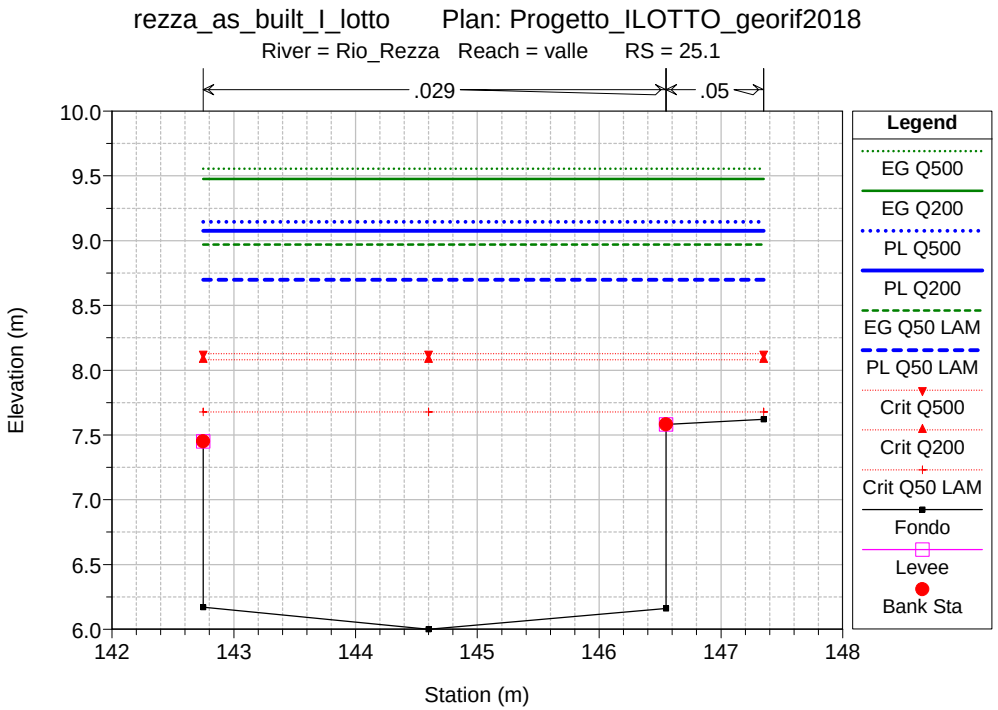
Crit Q50 LAM
Fondo
Levee
Bank Sta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Elevation (m)
Station (m)
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PL Q50 LAM
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Crit Q50 LAM
Fondo
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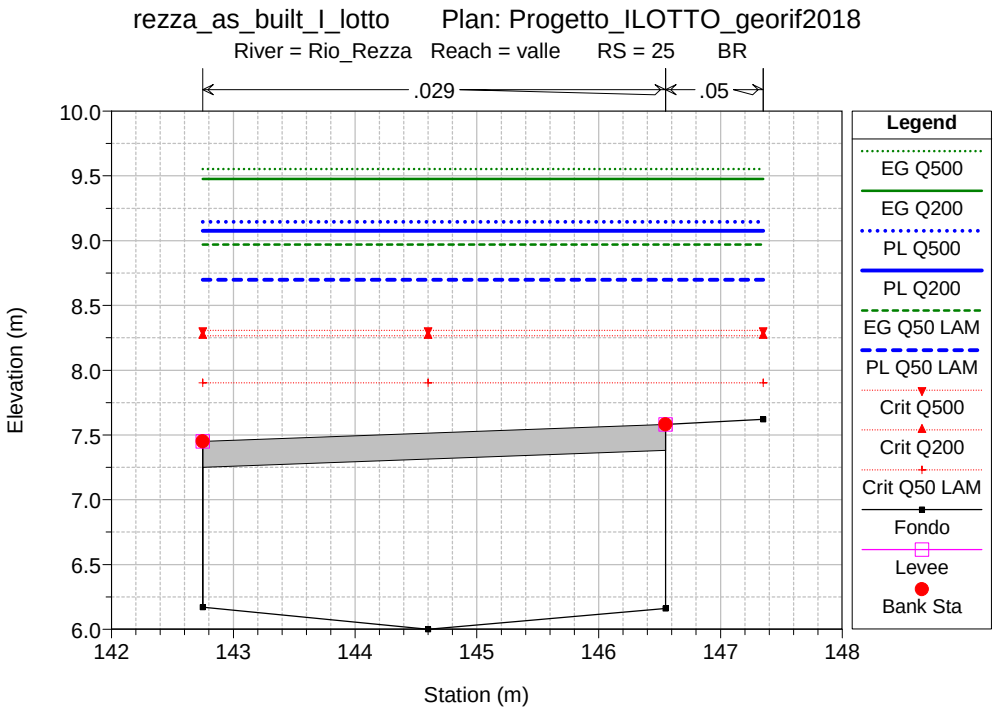
Bank Sta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Station (m)
Legend
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PL Q50 LAM
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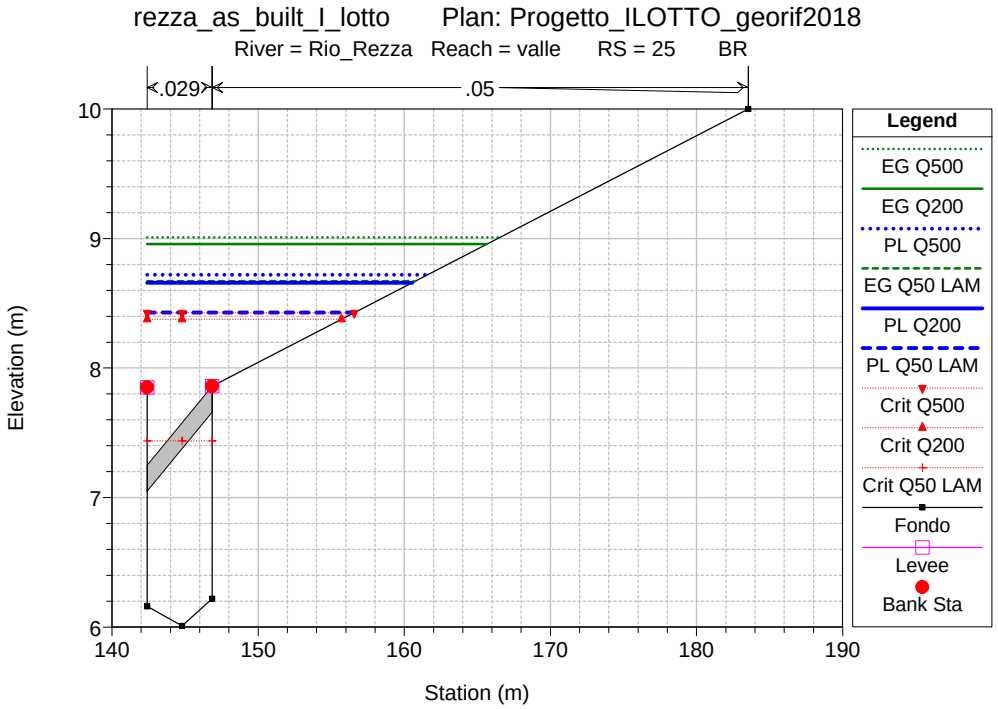
Bank Sta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Elevation (m)
Station (m)
Legend
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EG Q50 LAM
PL Q200
PL Q50 LAM
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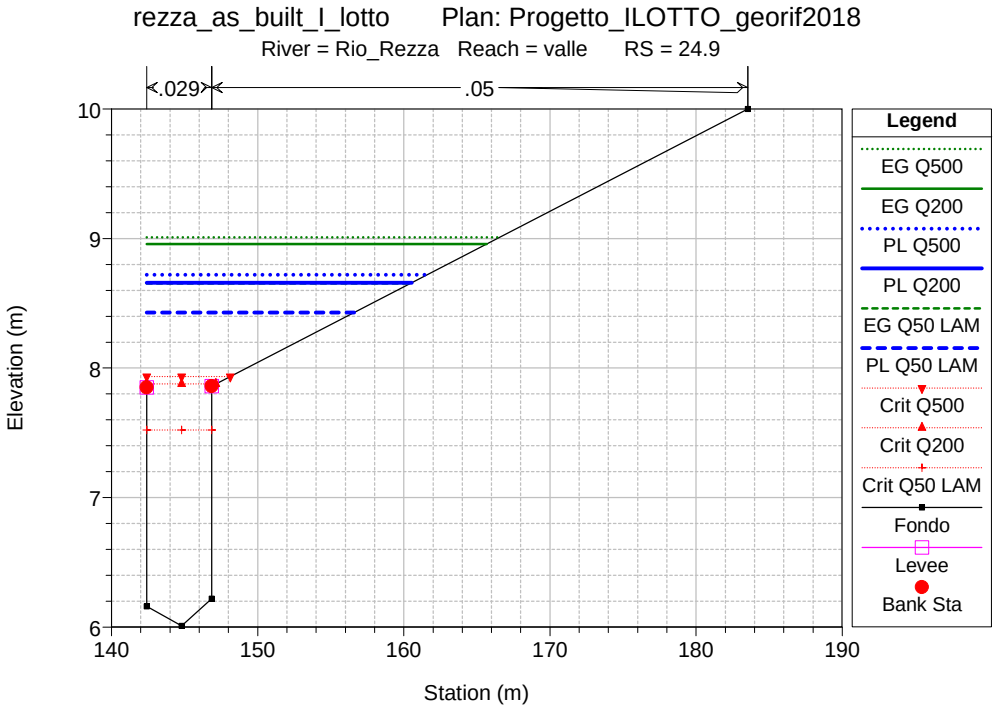
Crit Q50 LAM
Fondo
Levee
Bank Sta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Elevation (m)
Station (m)
Legend
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PL Q200
EG Q50 LAM
PL Q50 LAM
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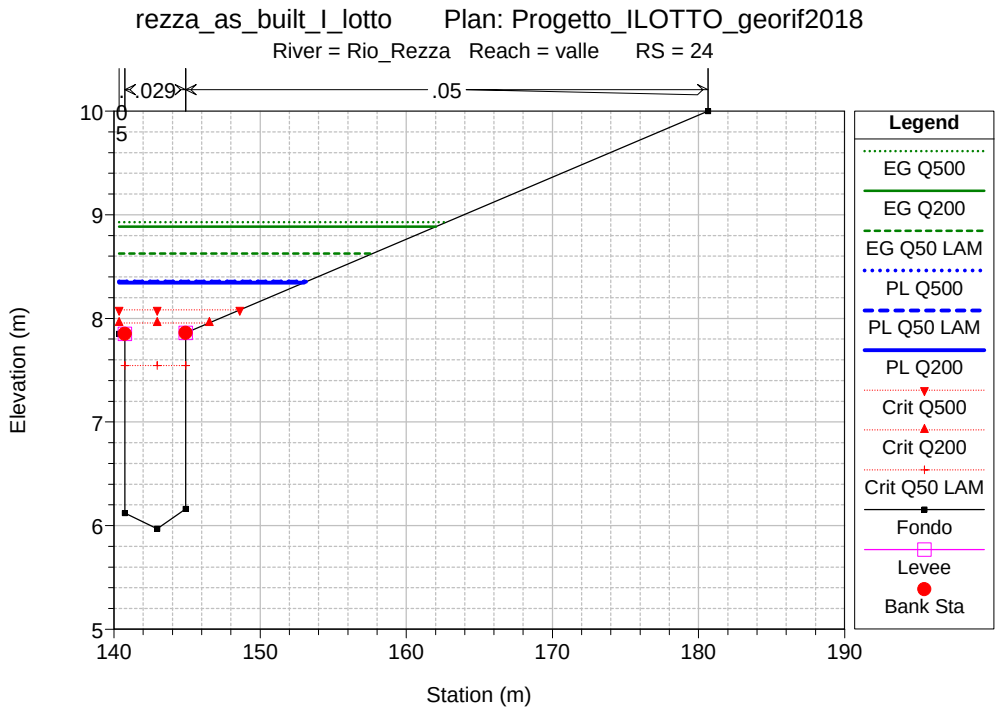
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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Elevation (m)
Station (m)
Legend
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PL Q50 LAM
PL Q200
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Crit Q200
Crit Q50 LAM
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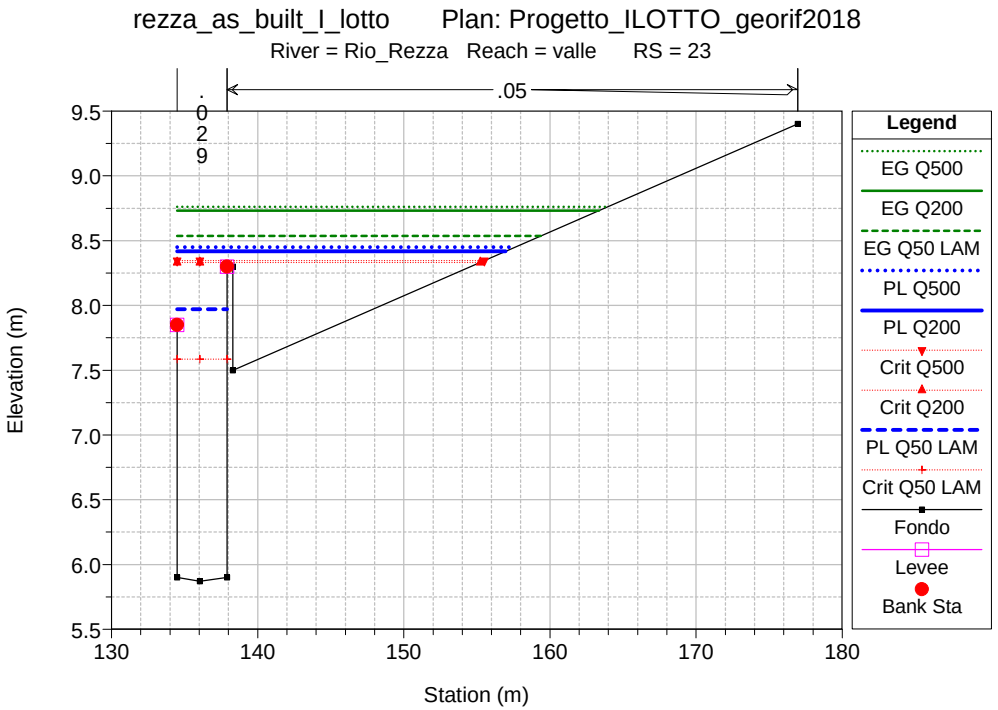
Levee
Bank Sta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Elevation (m)
Station (m)
Legend
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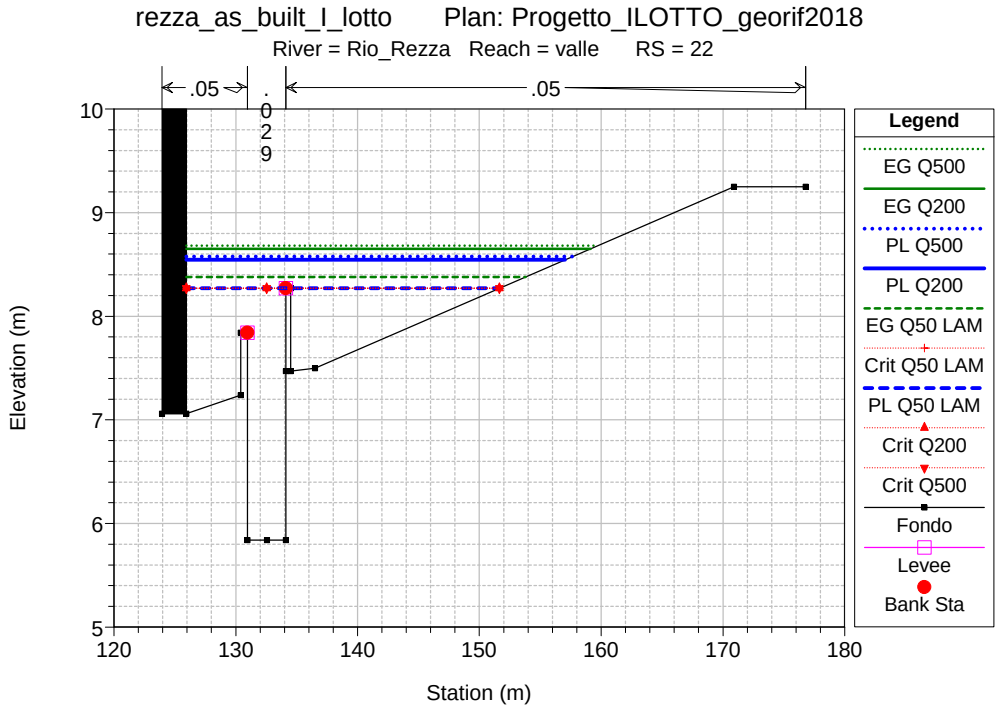
PL Q500
PL Q200
Crit Q500
Crit Q200
PL Q50 LAM
Crit Q50 LAM
Fondo
Levee
Bank Sta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Station (m)
Legend
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PL Q200
EG Q50 LAM
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PL Q50 LAM
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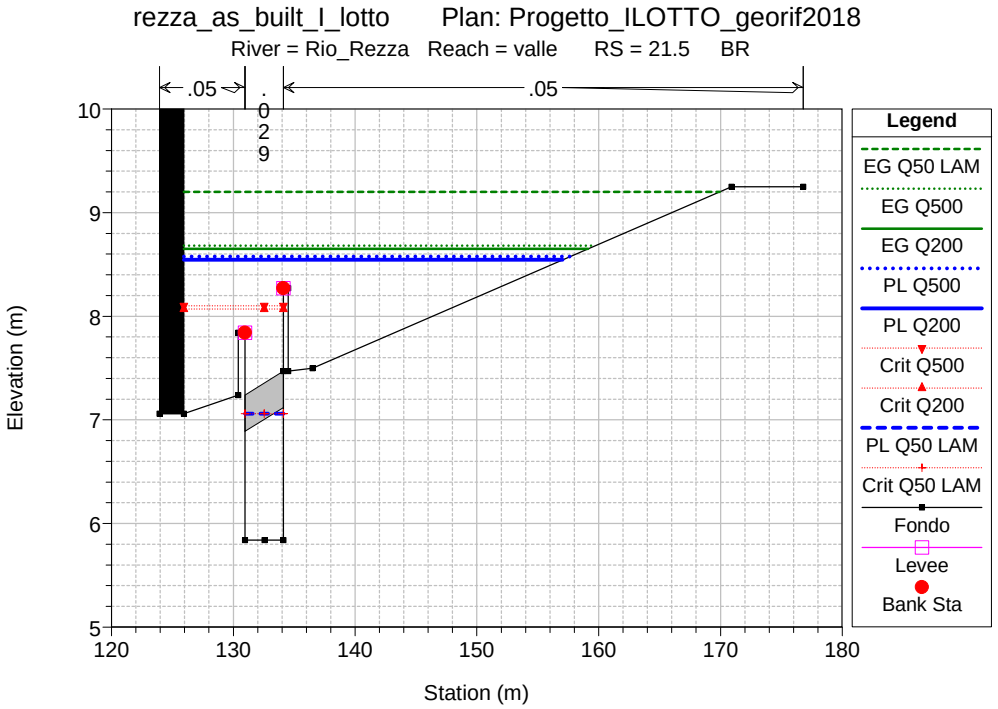
Crit Q500
Fondo
Levee
Bank Sta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.029
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Elevation (m)
Station (m)
Legend
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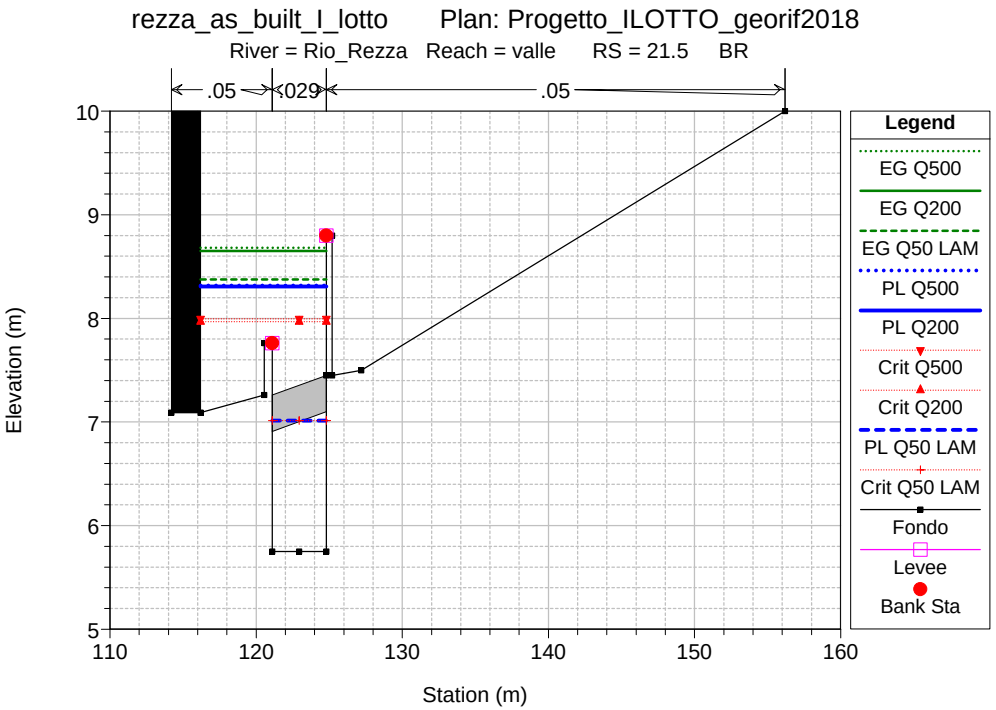
PL Q500
PL Q200
Crit Q500
Crit Q200
PL Q50 LAM
Crit Q50 LAM
Fondo
Levee
Bank Sta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Elevation (m)
Station (m)
Legend
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PL Q200
Crit Q500
Crit Q200
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Fondo
Levee
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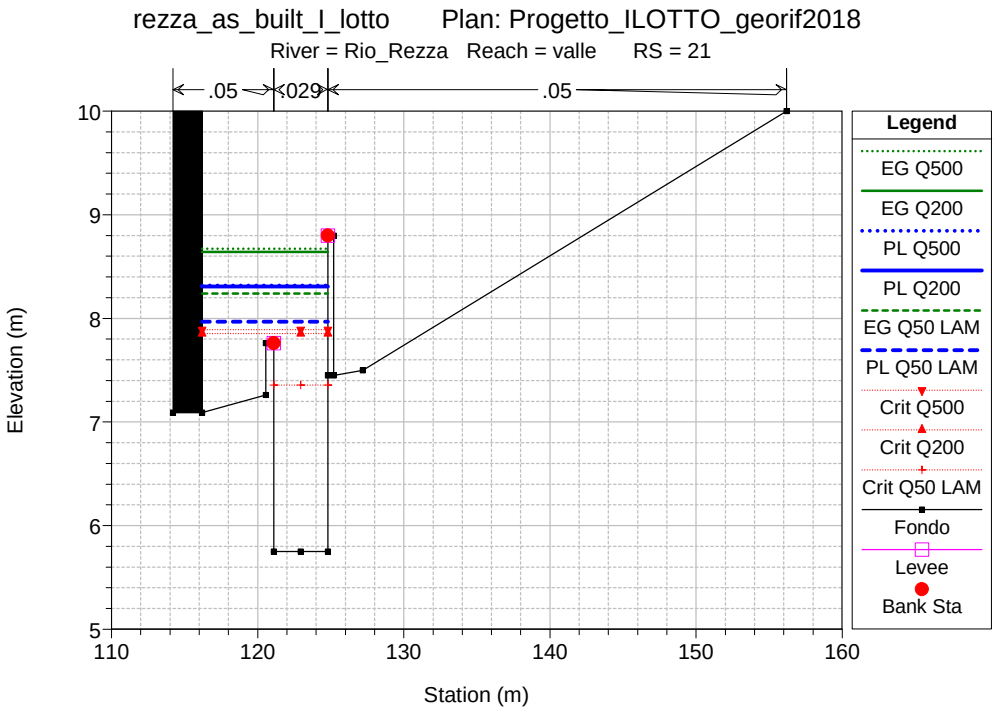
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Elevation (m)
Station (m)
Legend
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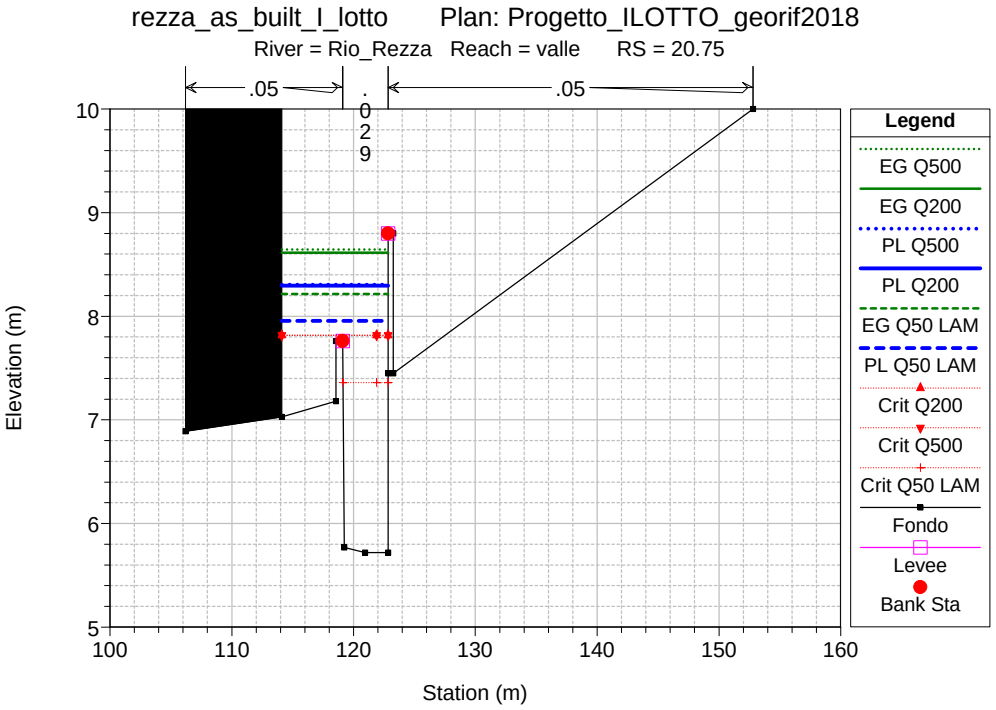
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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.029
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Elevation (m)
Station (m)
Legend
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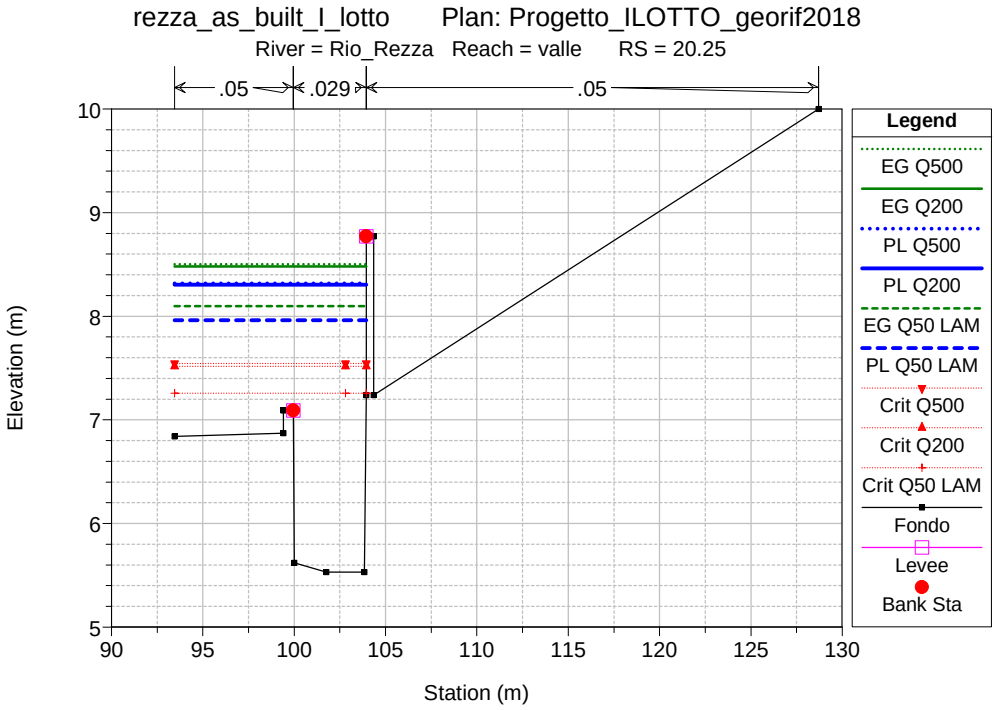
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q200
Crit Q500
Crit Q50 LAM
Fondo
Levee
Bank Sta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.029
.05
Elevation (m)
Station (m)
Legend
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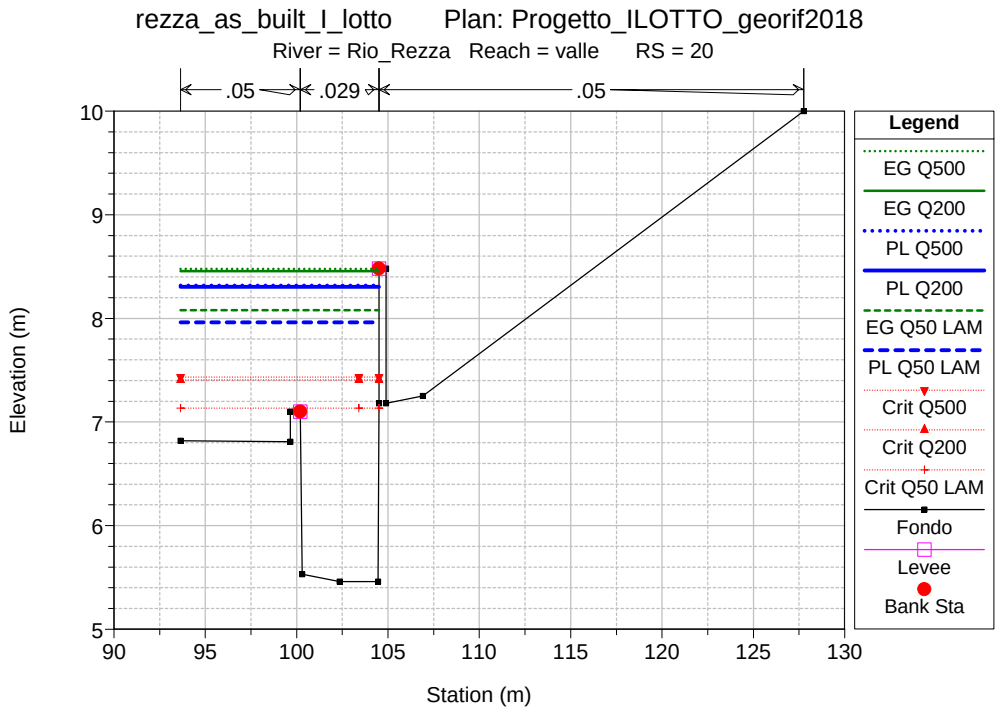
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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.029
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Station (m)
Legend
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PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
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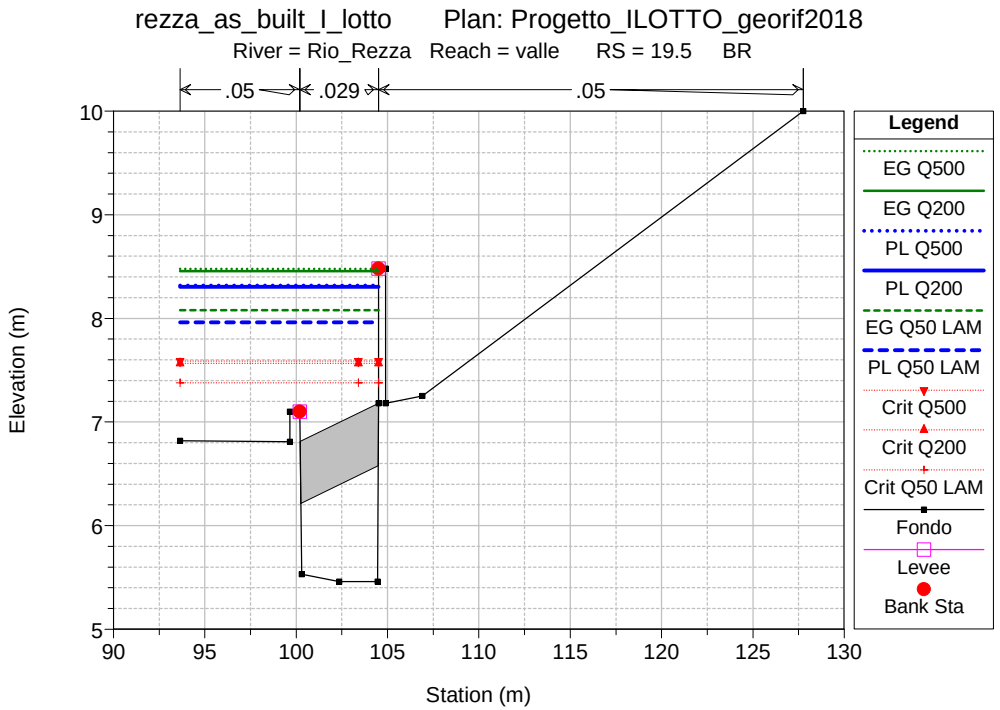
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.029
.05
Elevation (m)
Station (m)
Legend
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PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
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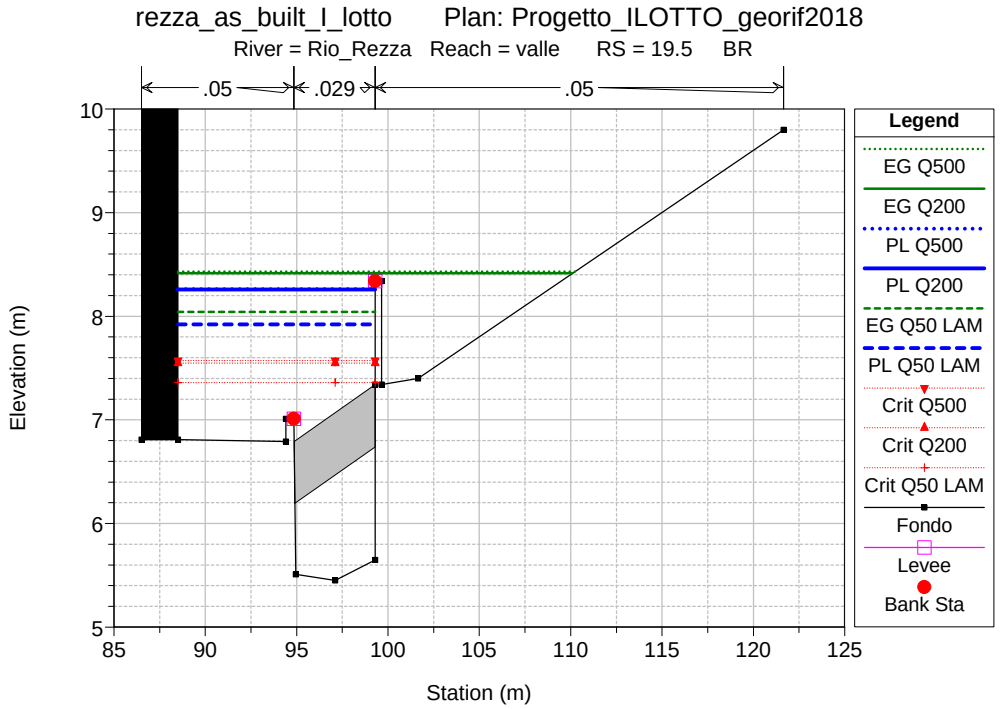
Levee
Bank Sta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Elevation (m)
Station (m)
Legend
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PL Q50 LAM
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Crit Q200
Crit Q50 LAM
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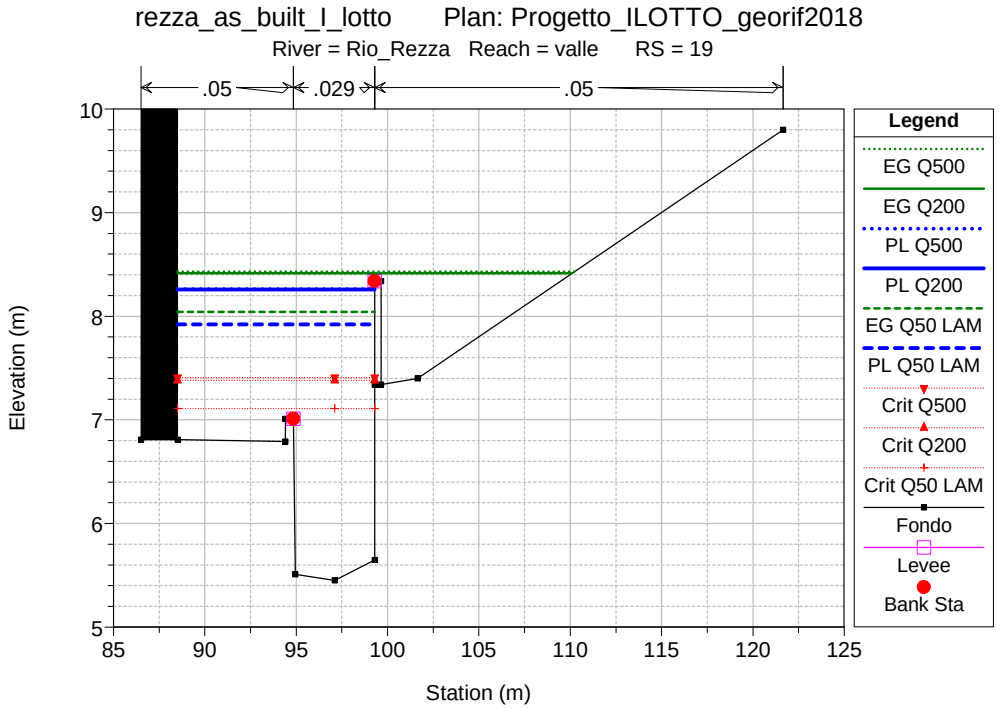
Levee
Bank Sta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.029
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Station (m)
Legend
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Crit Q50 LAM
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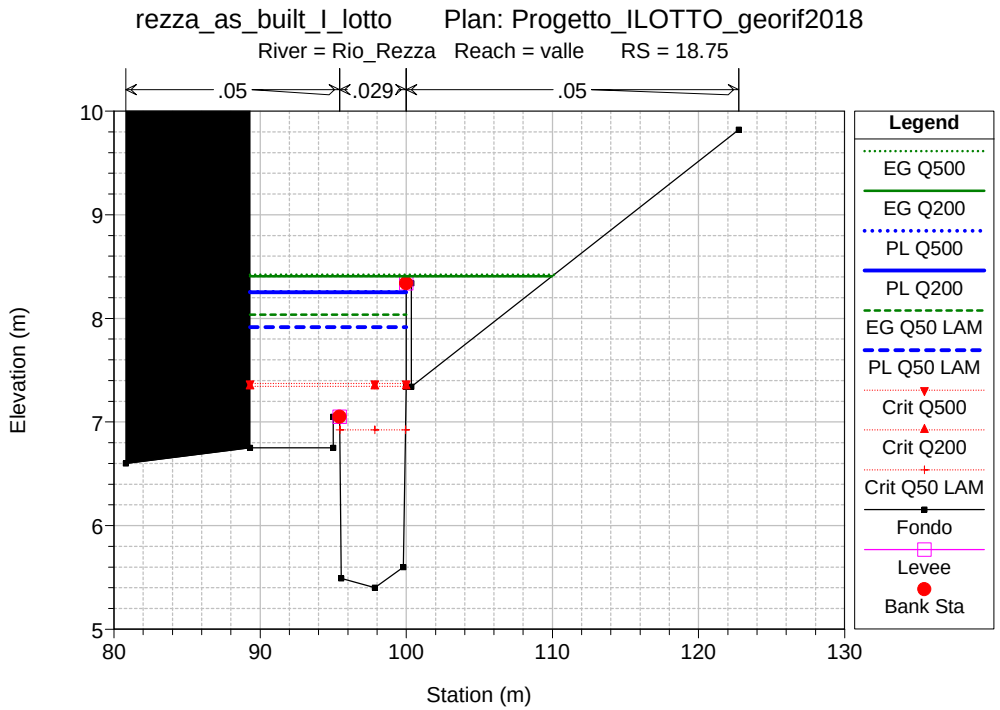
Levee
Bank Sta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.029
.05
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Station (m)
Legend
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PL Q200
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PL Q50 LAM
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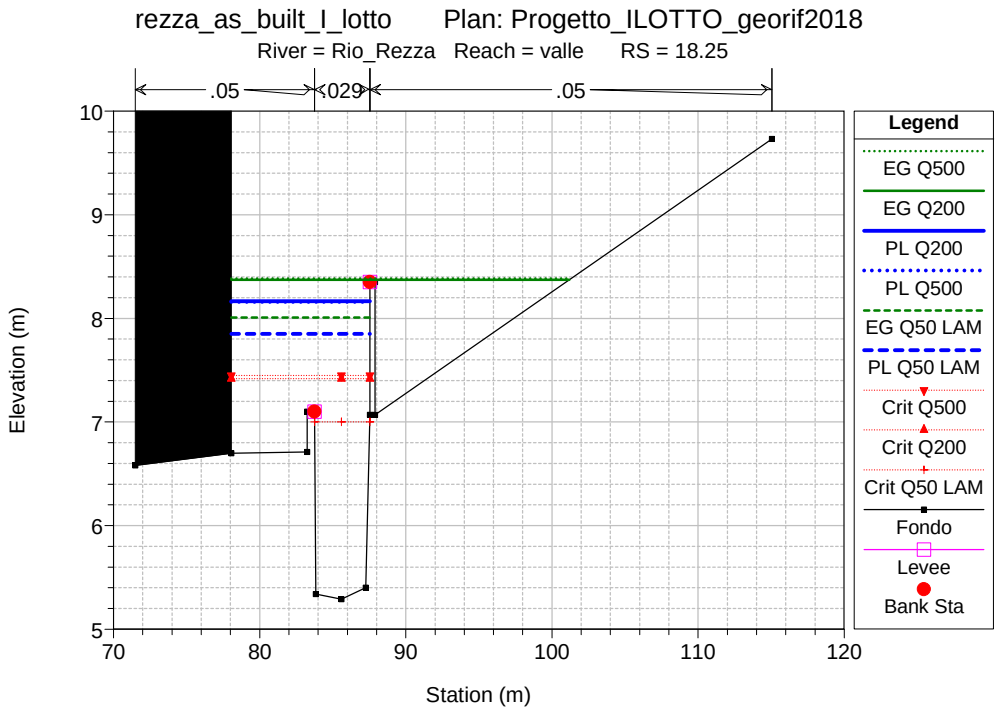
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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.05
.029
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Station (m)
Legend
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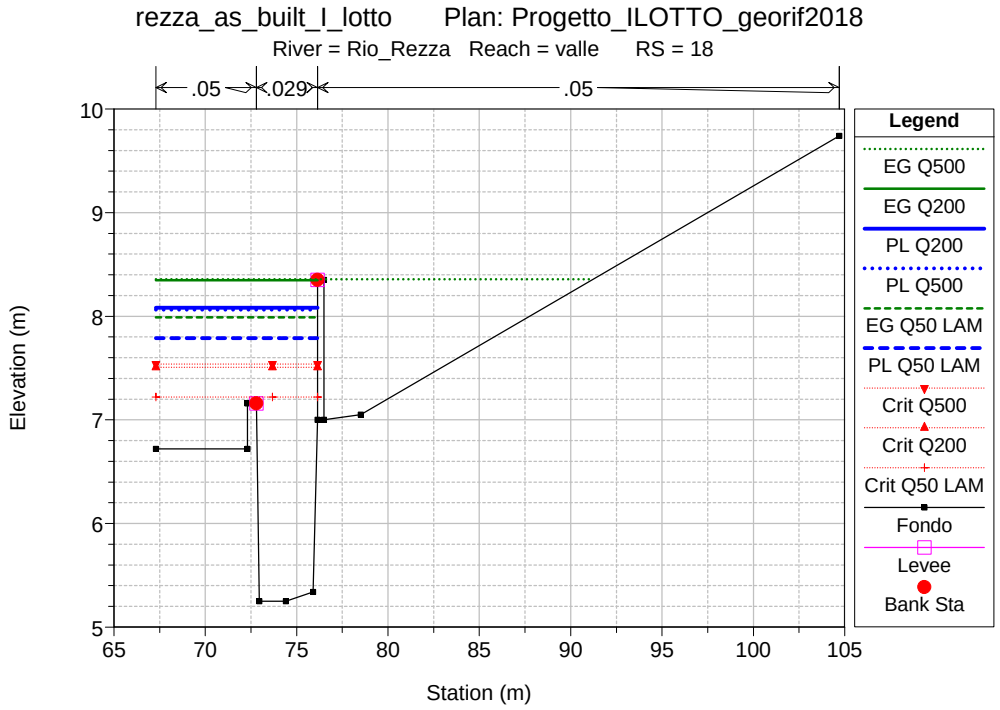
Levee
Bank Sta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.05
.029
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Station (m)
Legend
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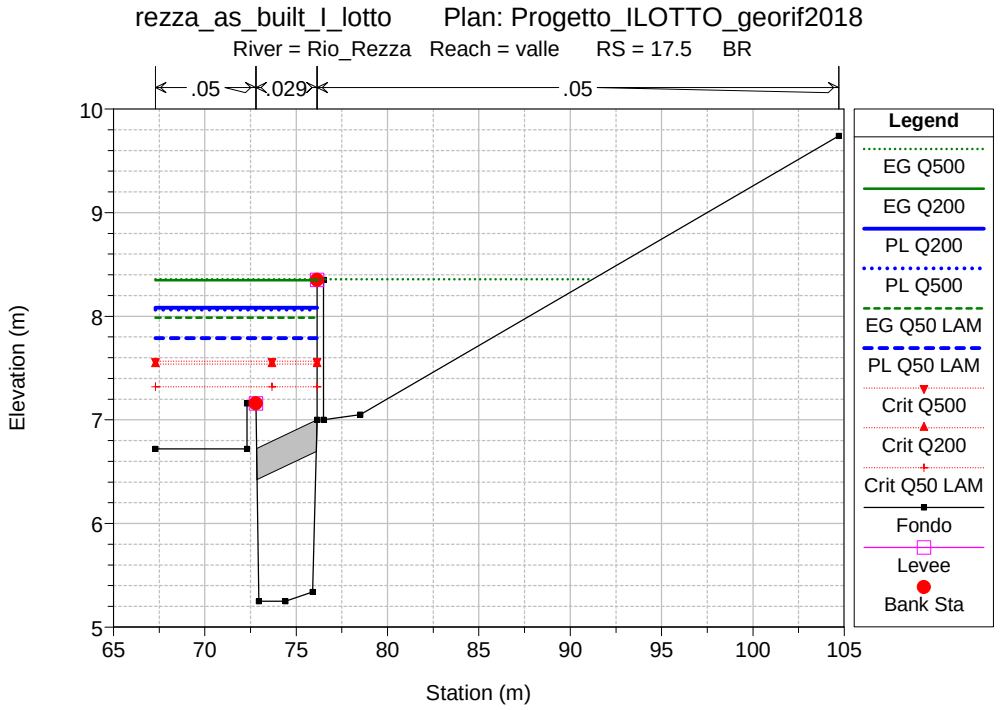
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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.029
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Elevation (m)
Station (m)
Legend
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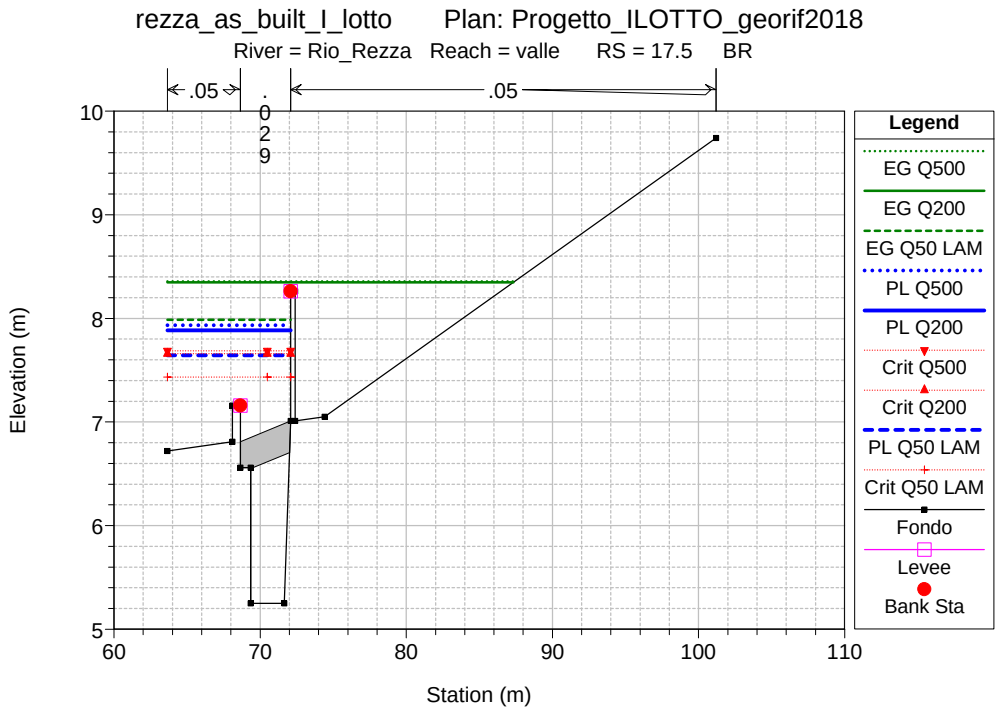
PL Q200
PL Q500
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
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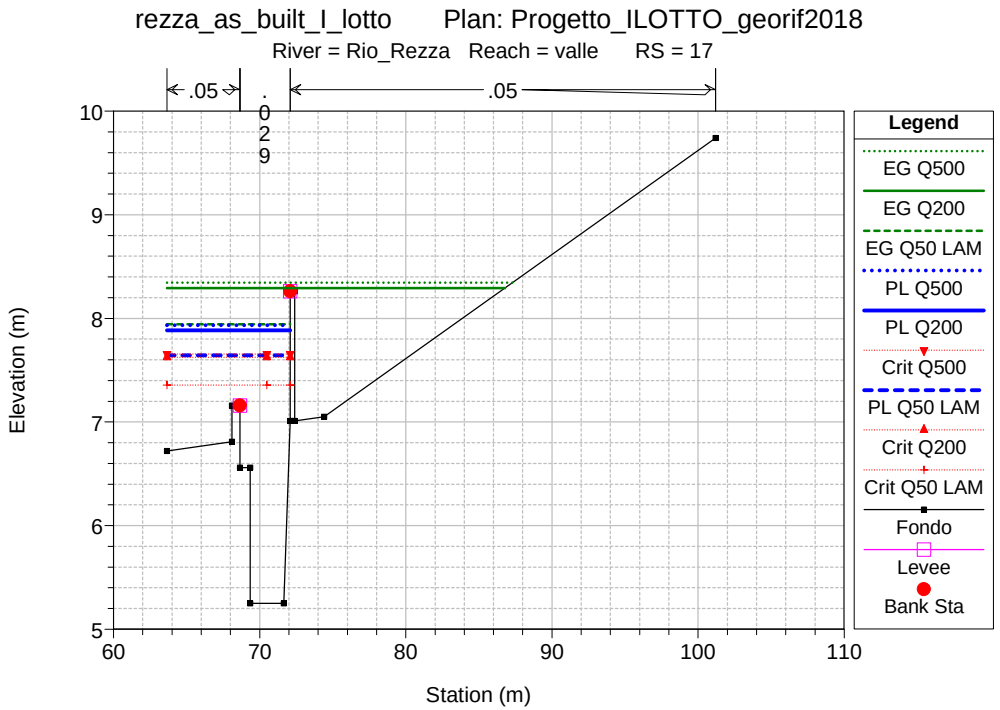
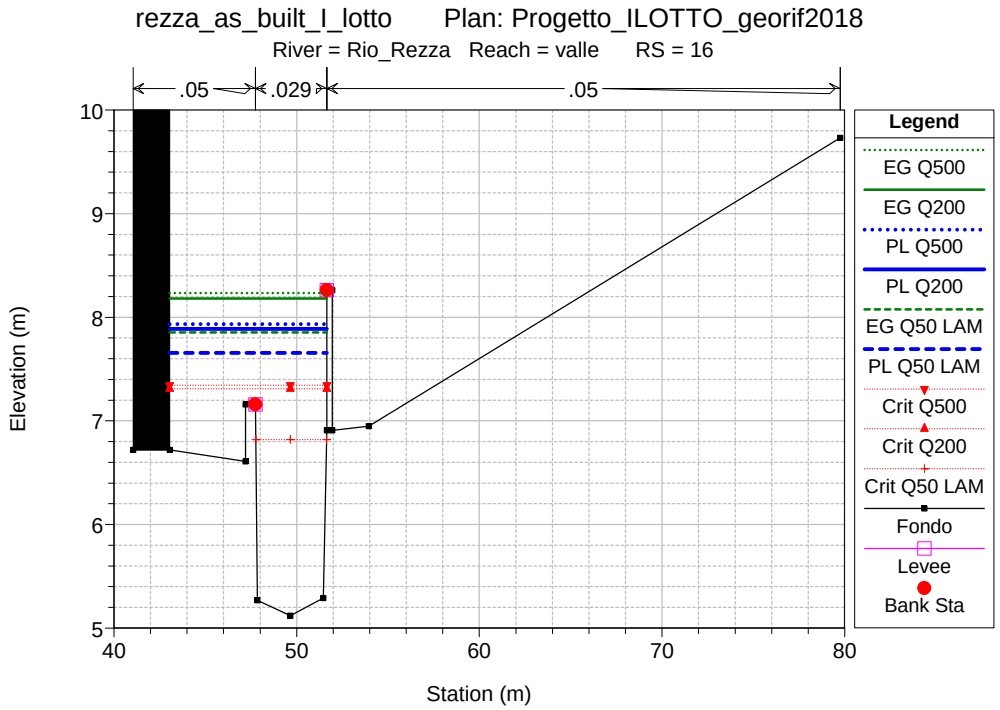
.05
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q500
PL Q200
Crit Q500
Crit Q200
PL Q50 LAM
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 17
.05
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q500
PL Q200
Crit Q500
Crit Q200
PL Q50 LAM
Crit Q50 LAM
Fondo
Levee
Bank Sta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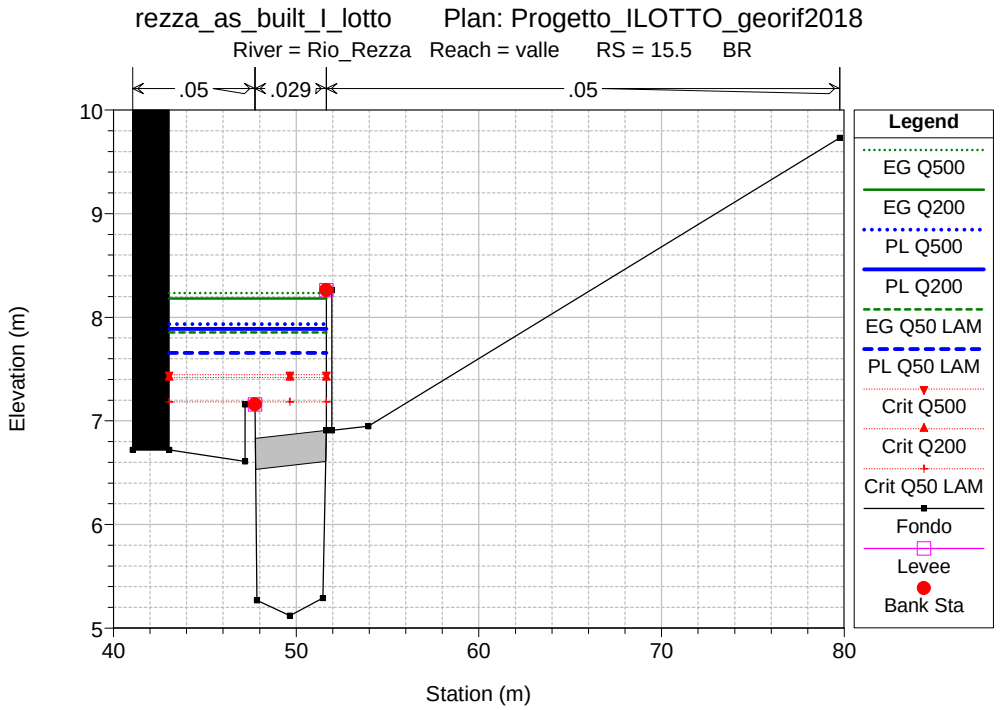
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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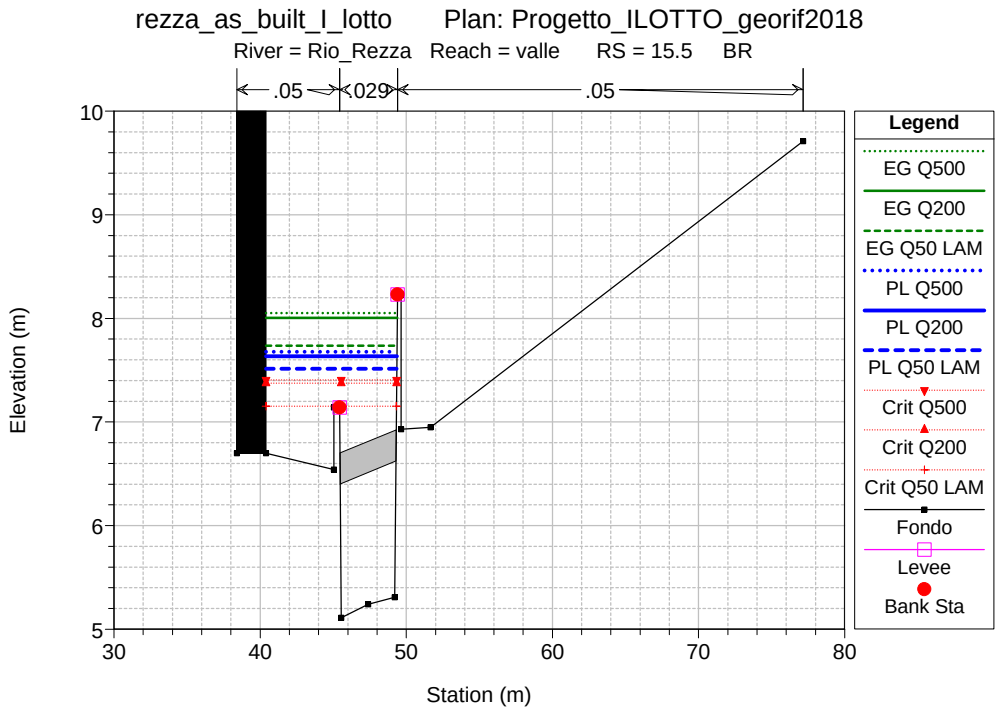
River = Rio_Rezza Reach = valle RS = 15.5 BR
.05
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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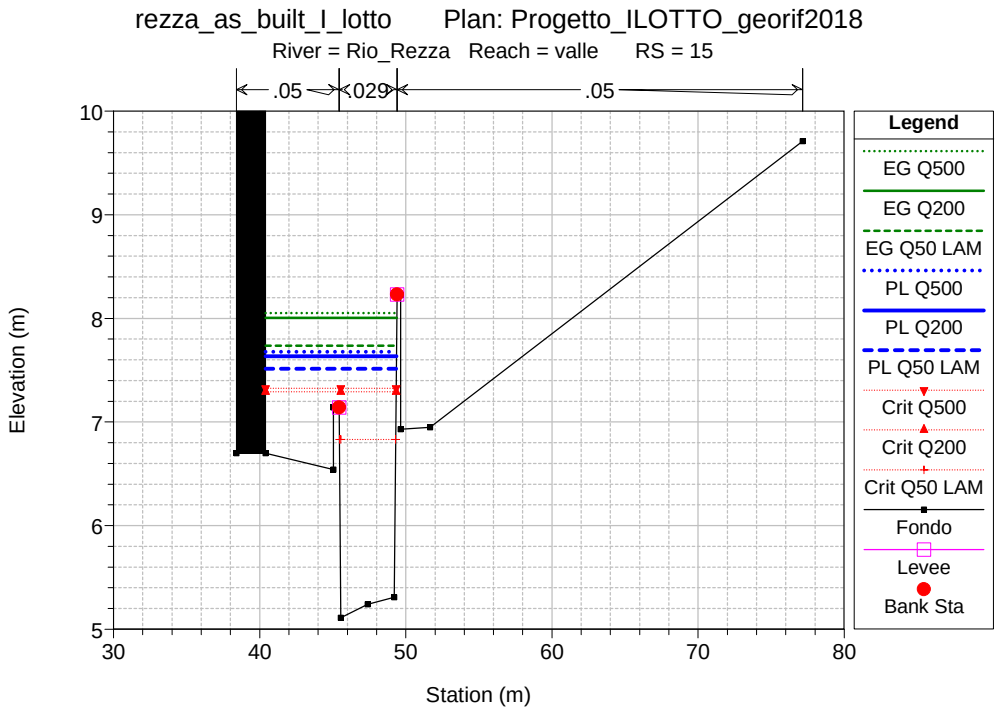
River = Rio_Rezza Reach = valle RS = 15.5 BR
.05
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q500
PL Q200
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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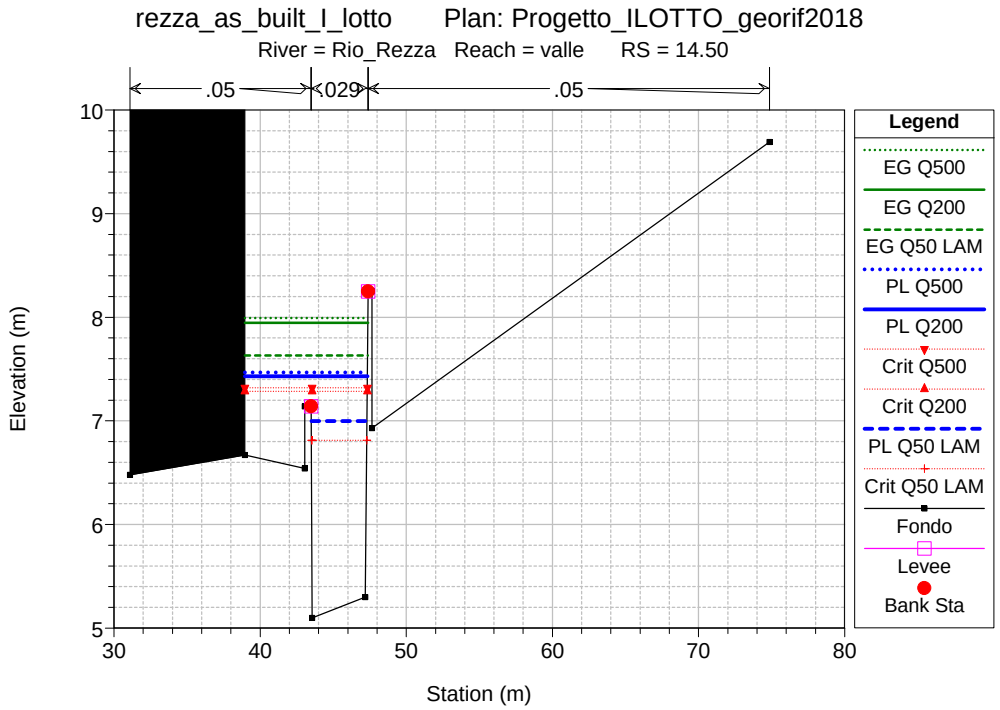
.05
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q500
PL Q200
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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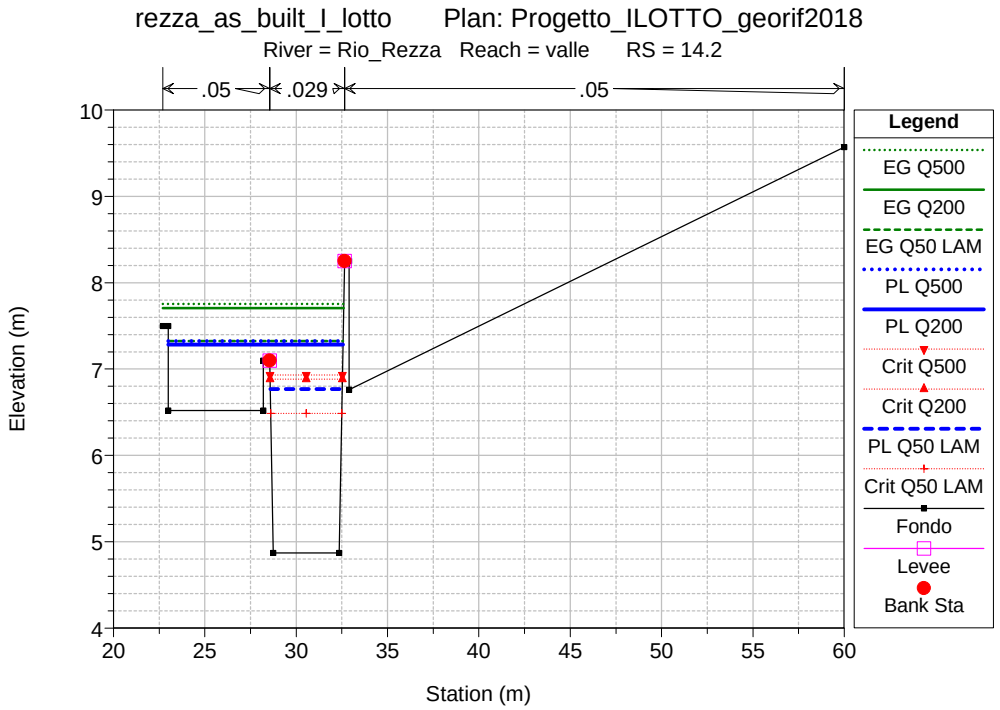
River = Rio_Rezza Reach = valle RS = 14.50
.05
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q500
PL Q200
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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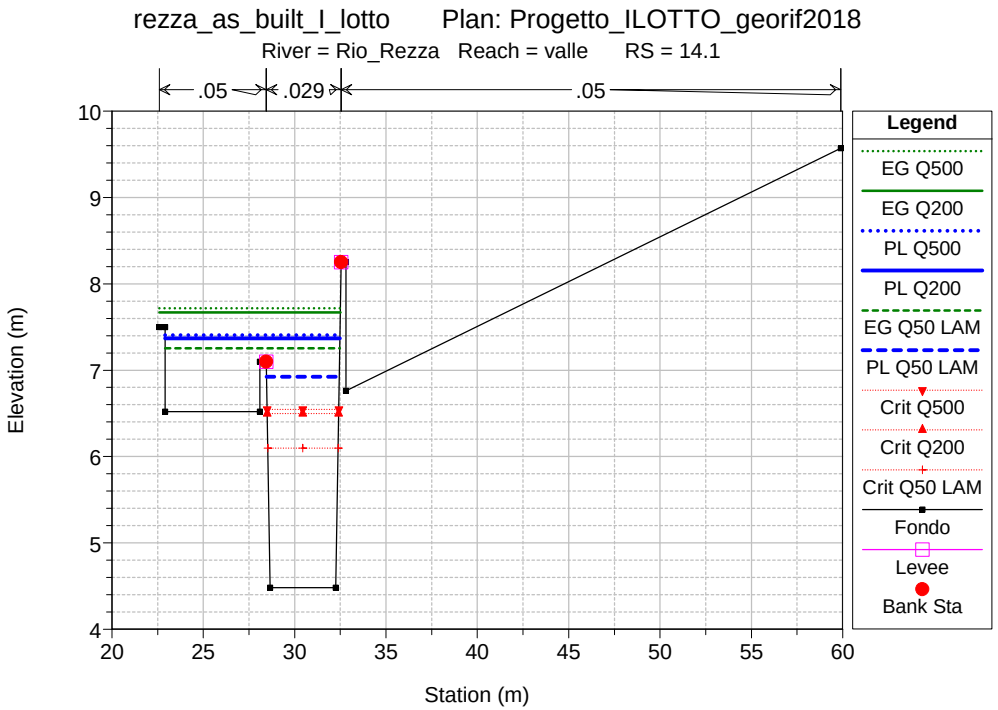
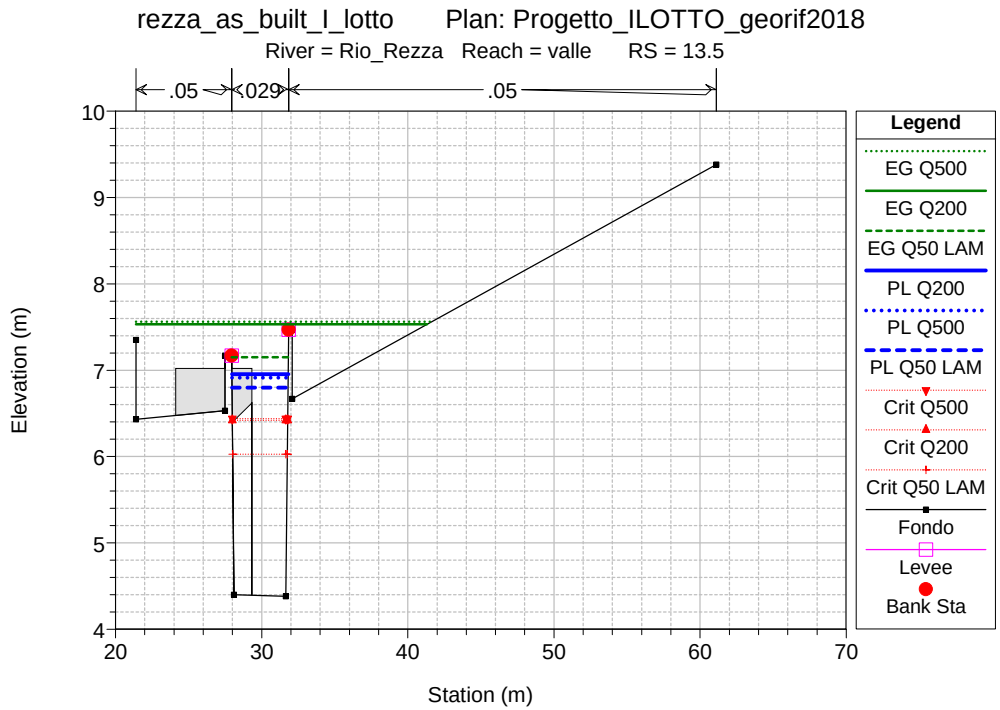
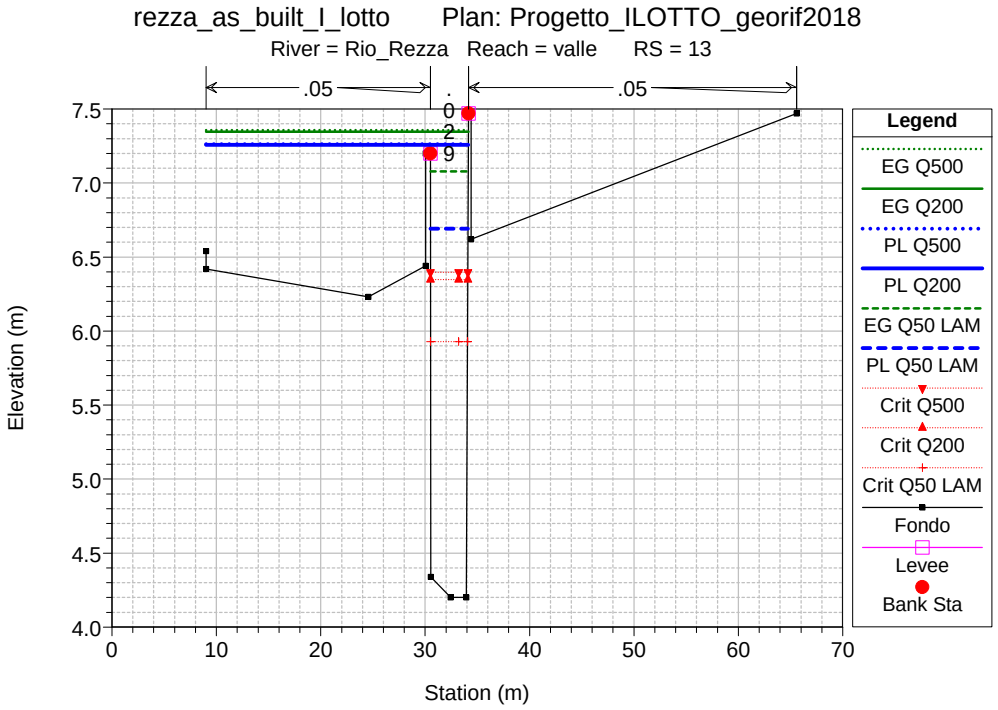
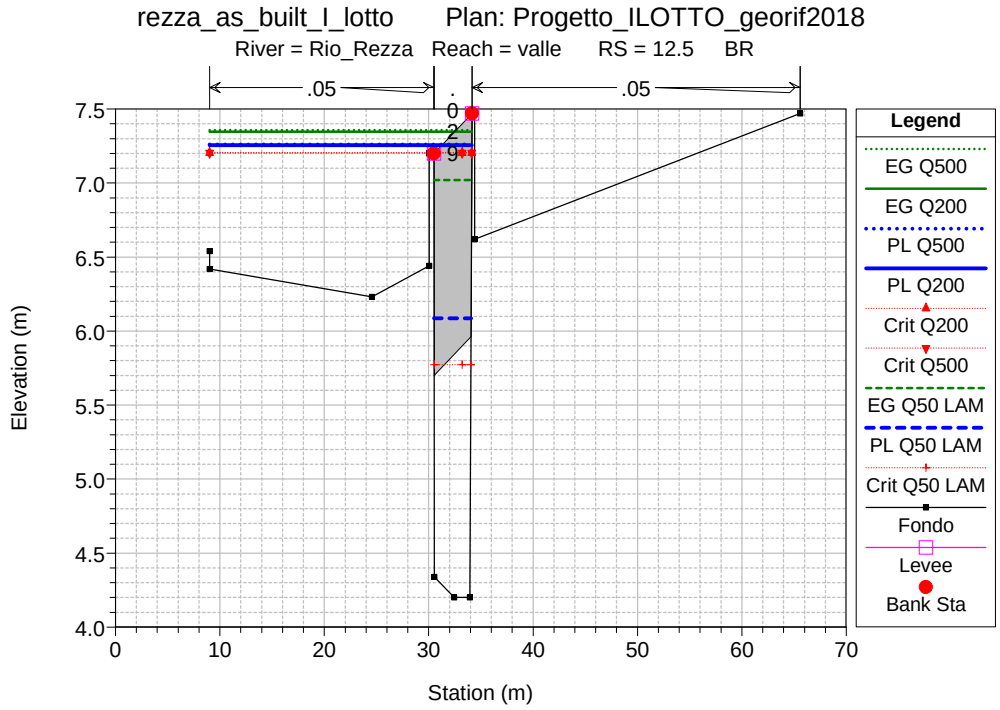
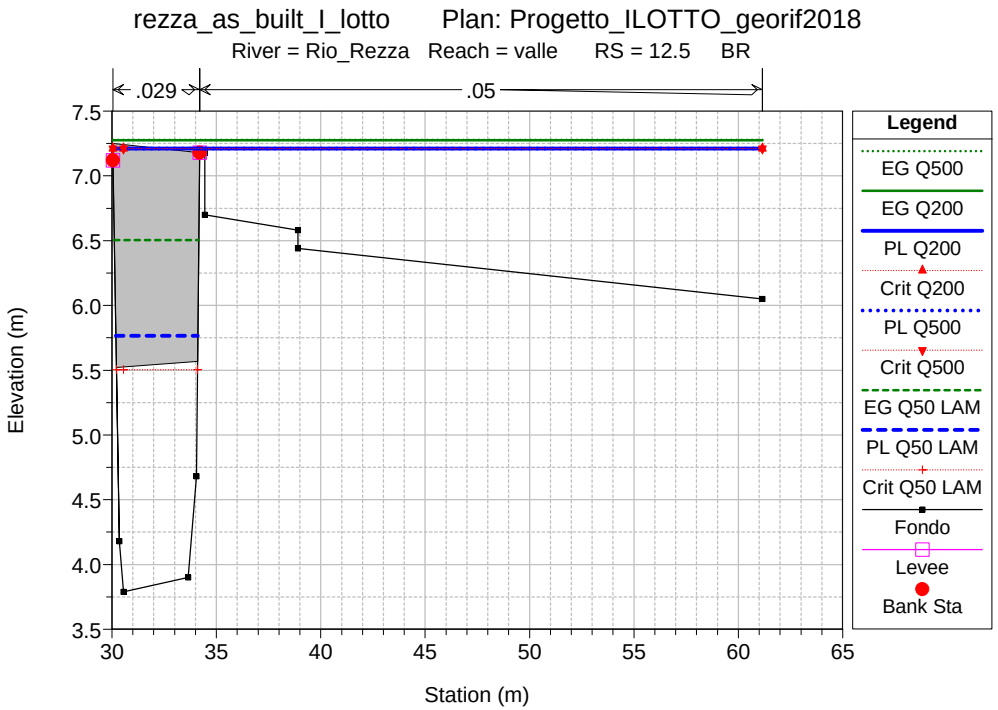
River = Rio_Rezza Reach = valle RS = 14.2
.05
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q500
PL Q200
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta

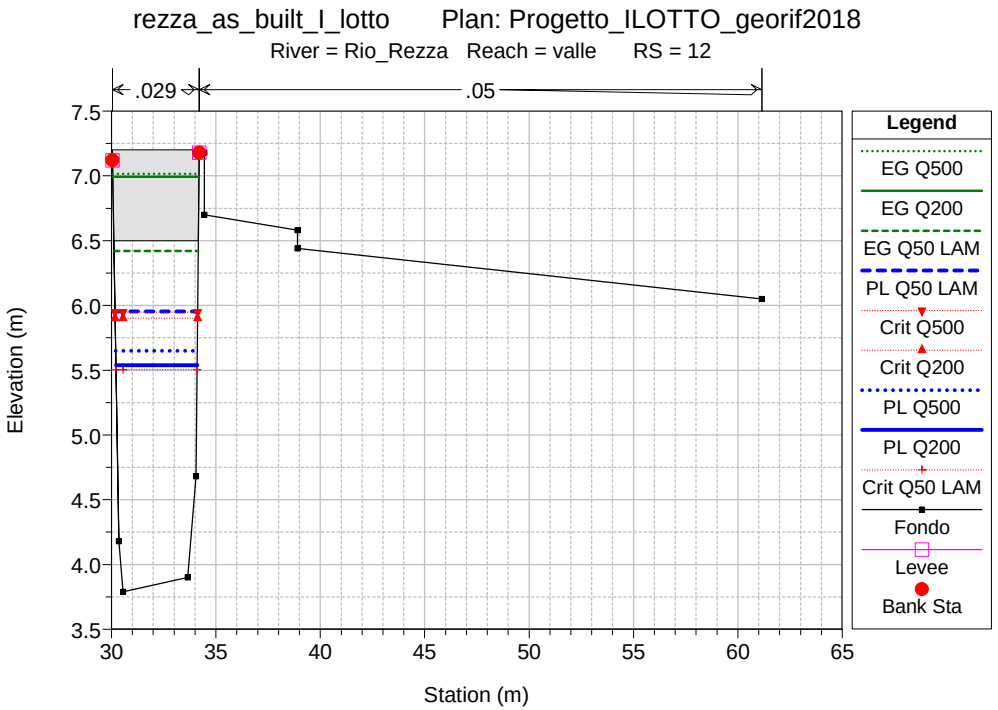

rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 14.1
.05
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta

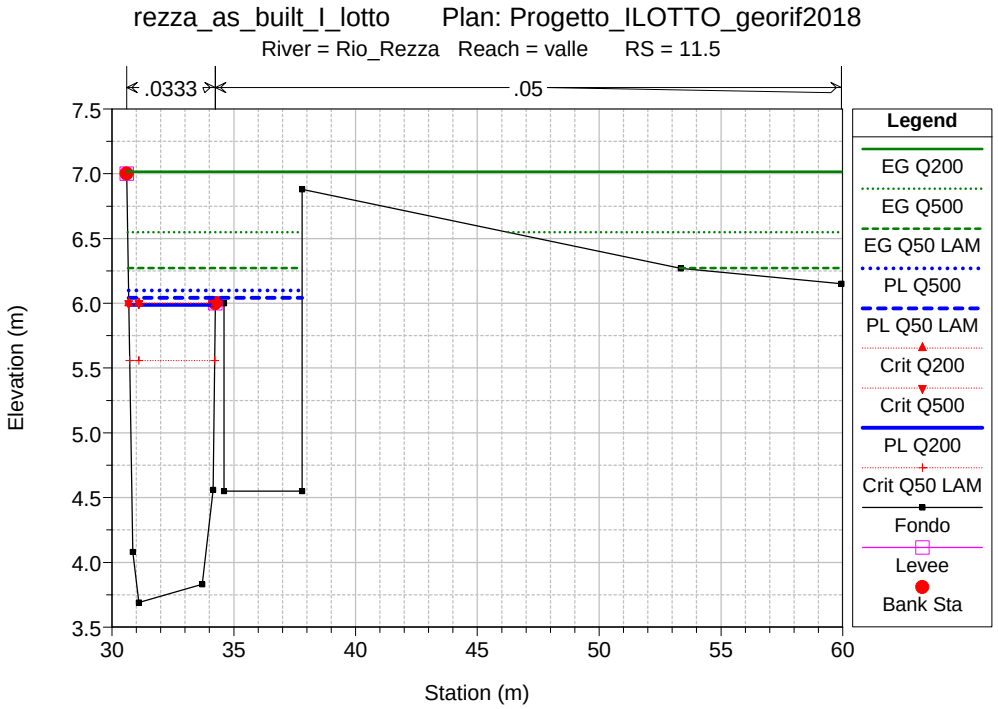

rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 13.5
.05
029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q200
PL Q500
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta

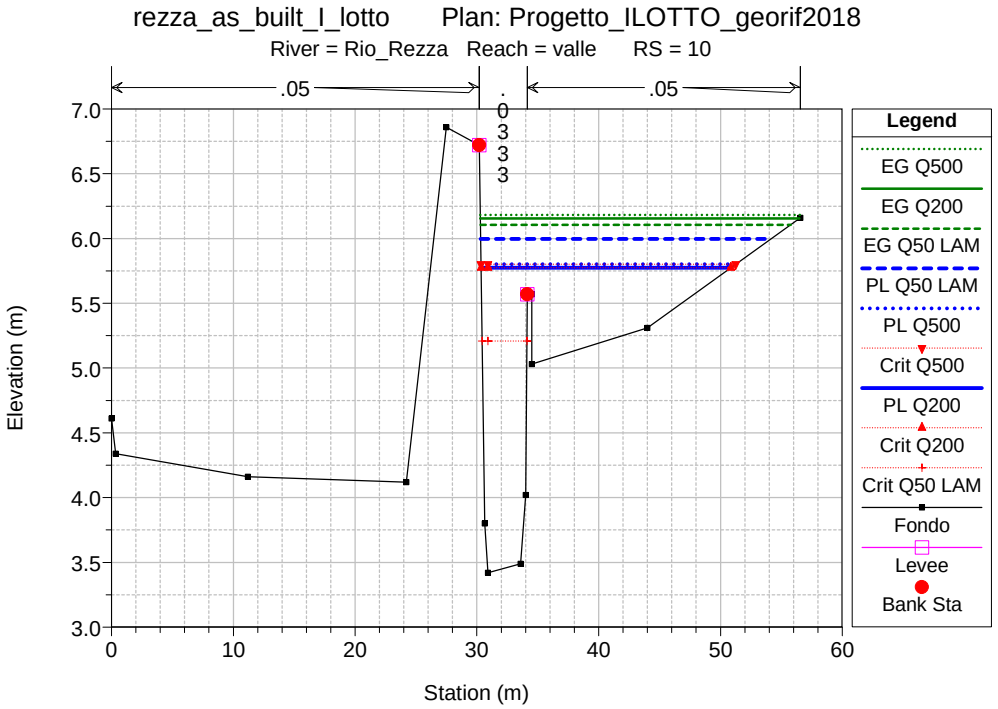

rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 13
.05
.
.05
0
2
9
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta

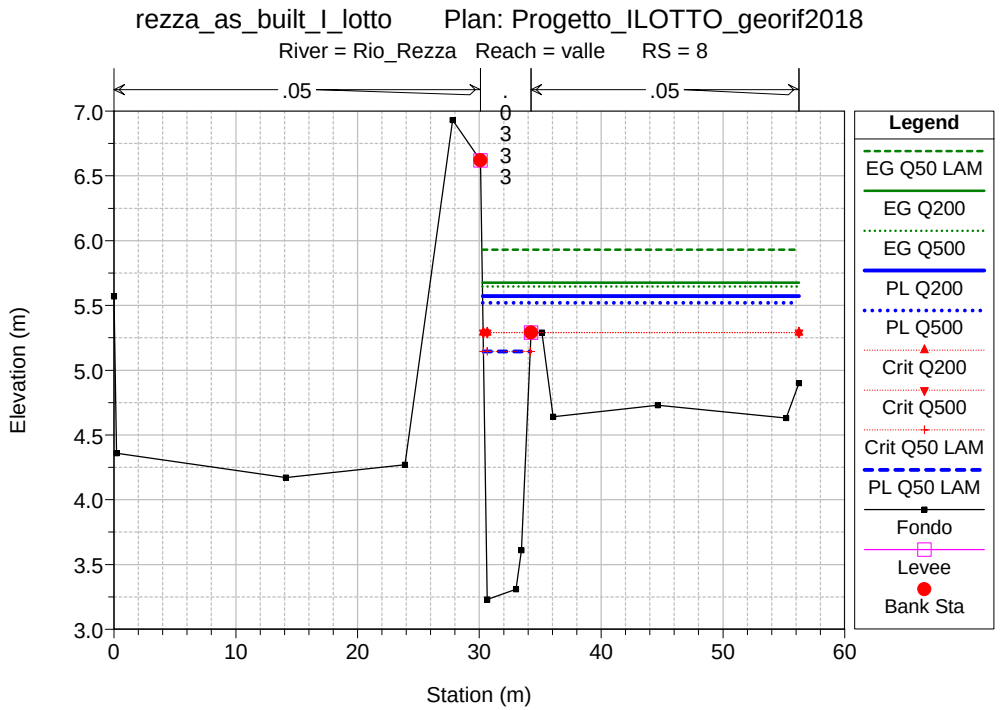

rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 12.5 BR
.05
.
.05
0
2
9
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q500
PL Q200
Crit Q200
Crit Q500
EG Q50 LAM
PL Q50 LAM
Crit Q50 LAM
Fondo
Levee
Bank Sta

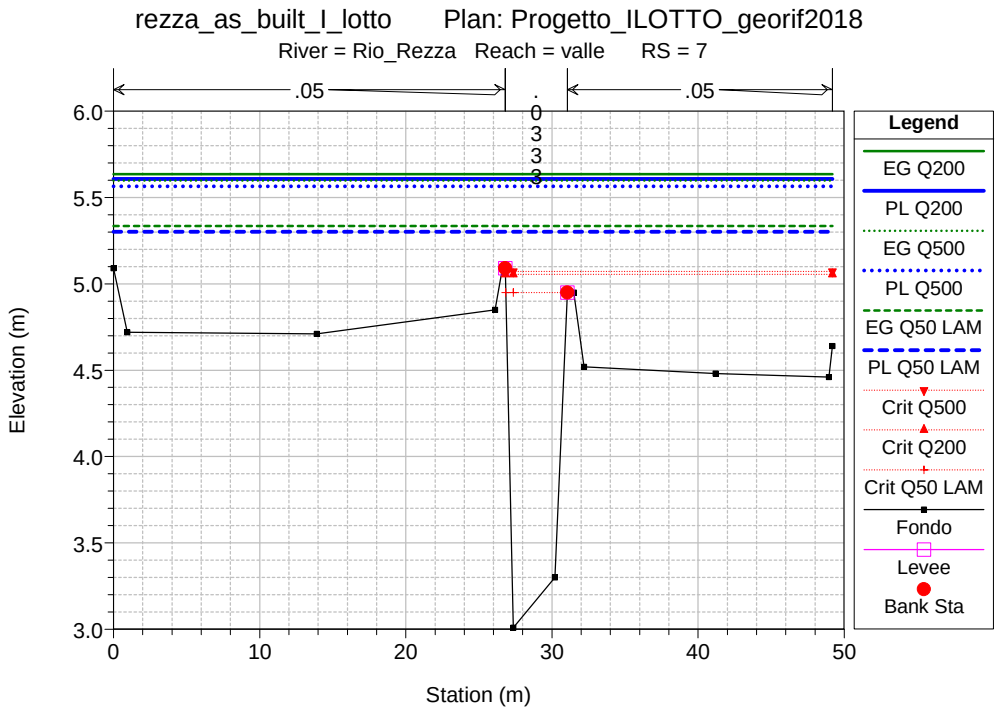

rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 12.5 BR
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
PL Q200
Crit Q200
PL Q500
Crit Q500
EG Q50 LAM
PL Q50 LAM
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 12
.029
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
PL Q500
PL Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 11.5
.0333
.05
Elevation (m)
Station (m)
Legend
EG Q200
EG Q500
EG Q50 LAM
PL Q500
PL Q50 LAM
Crit Q200
Crit Q500
PL Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 10
.05
.0333
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q50 LAM
PL Q500
Crit Q500
PL Q200
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 8
.05
.05
0333
Elevation (m)
Station (m)
Legend
EG Q50 LAM
EG Q200
EG Q500
PL Q200
PL Q500
Crit Q200
Crit Q500
Crit Q50 LAM
PL Q50 LAM
Fondo
Levee
Bank Sta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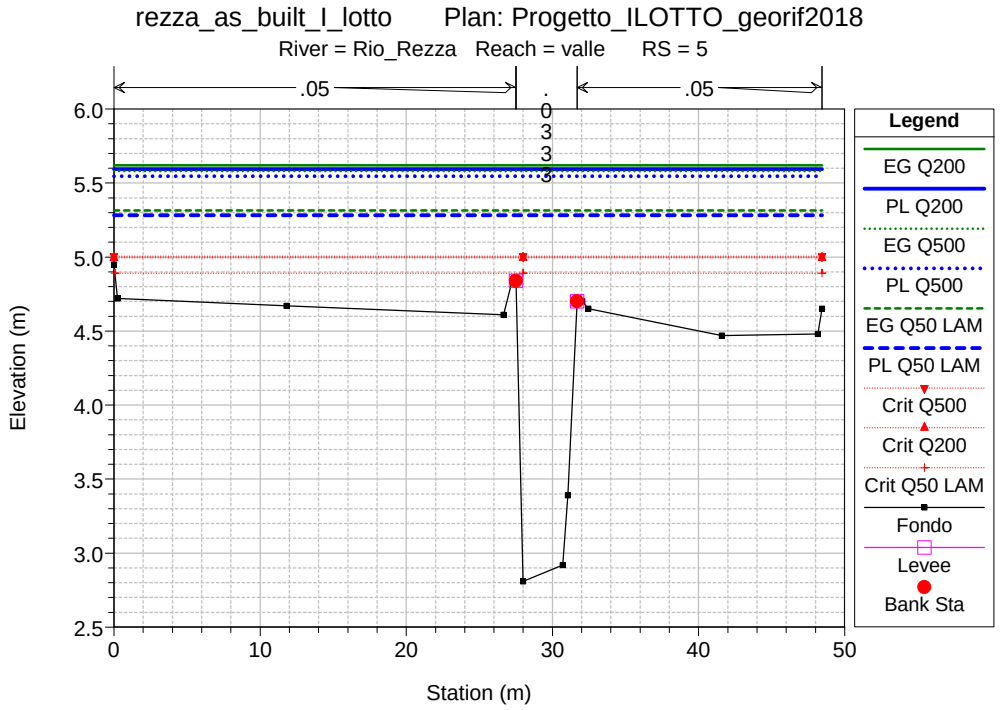
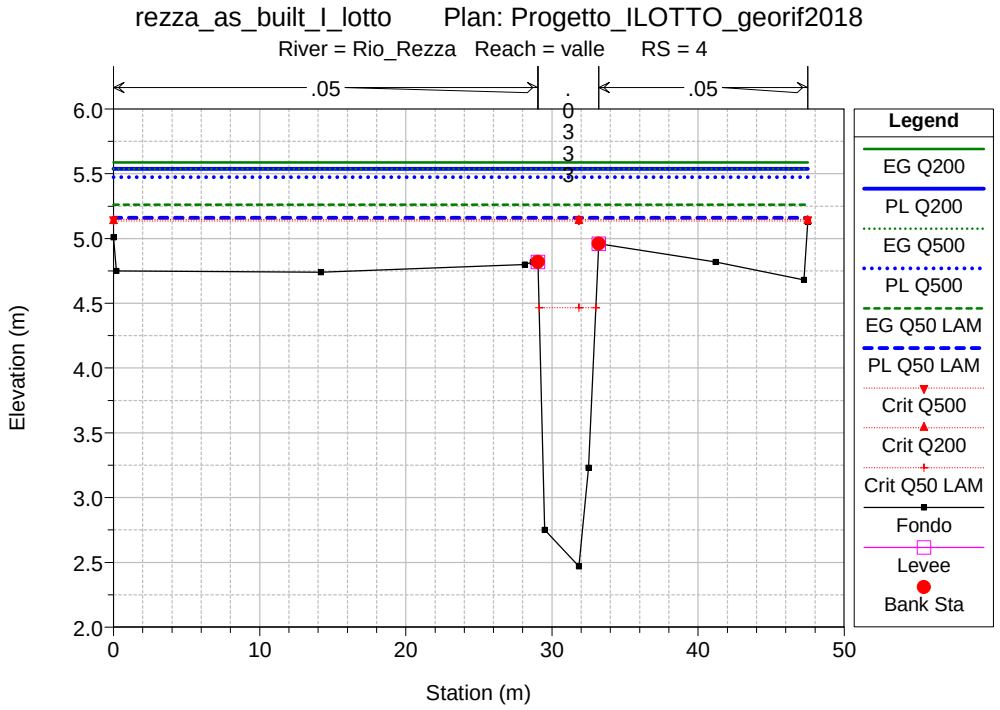
River = Rio_Rezza Reach = valle RS = 7
.05
.05
0333
Elevation (m)
Station (m)
Legend
EG Q200
PL Q200
EG Q500
PL Q500
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 5
.05
.05
0333
Elevation (m)
Station (m)
Legend
EG Q200
PL Q200
EG Q500
PL Q500
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta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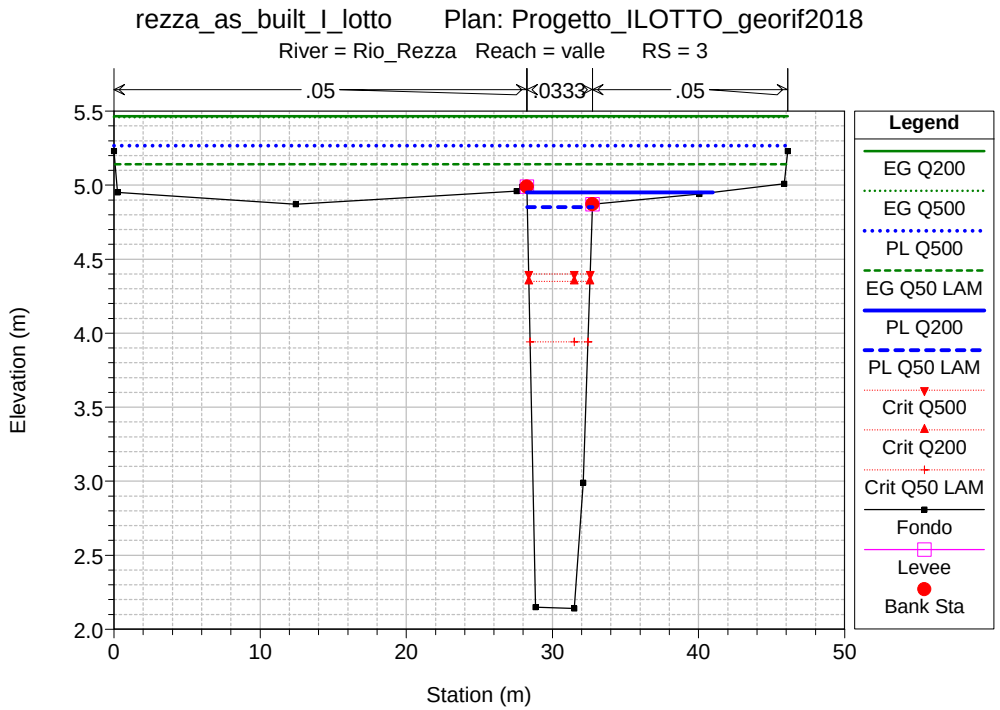
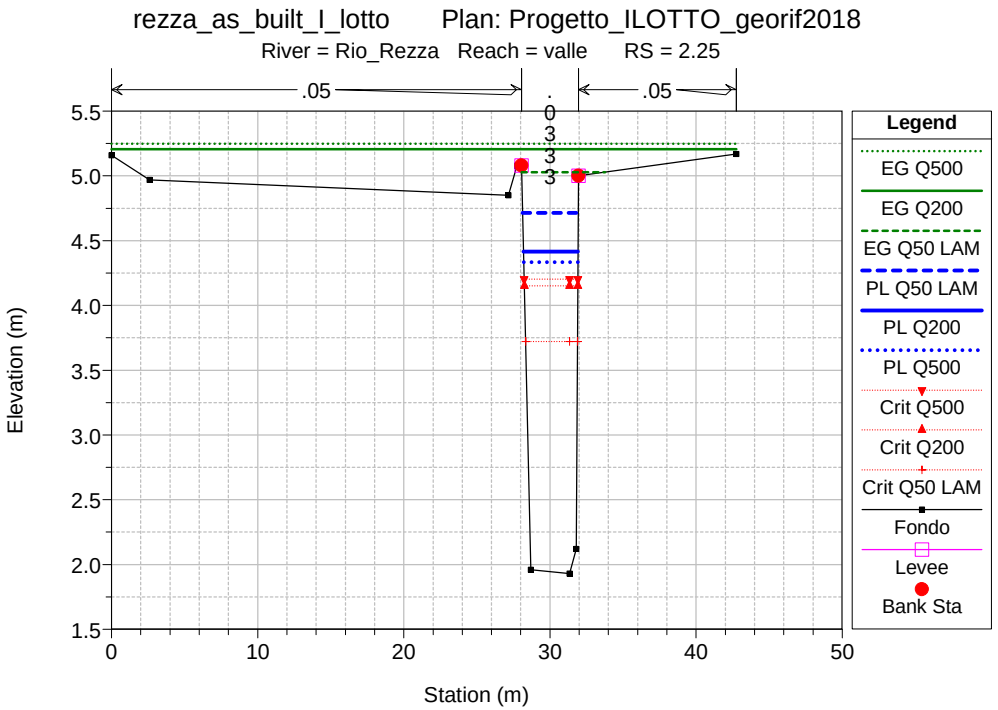
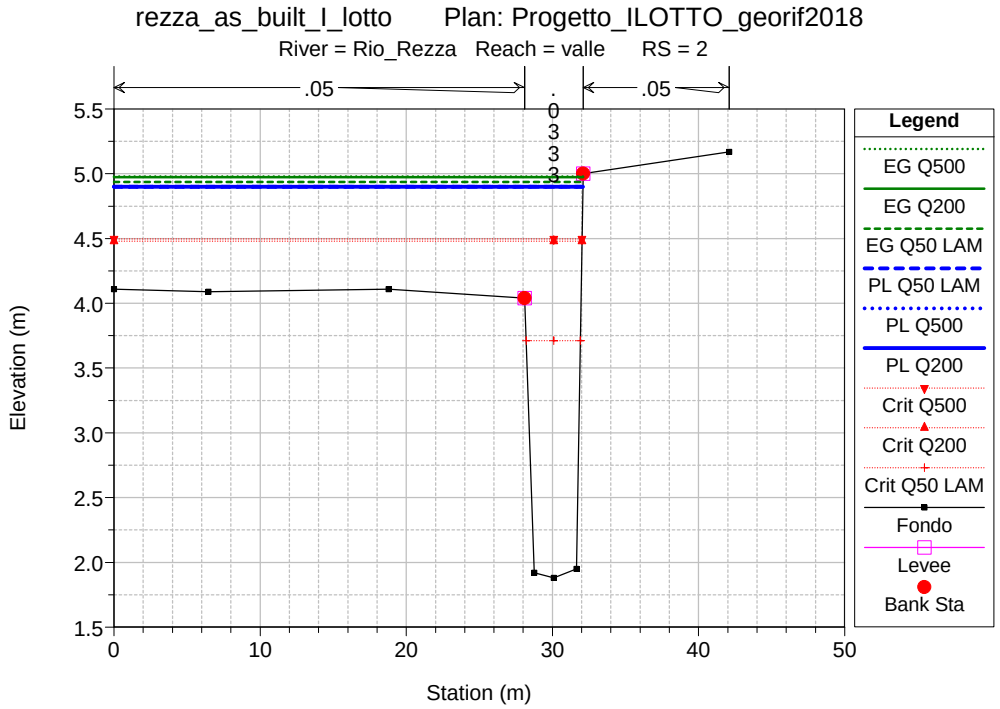
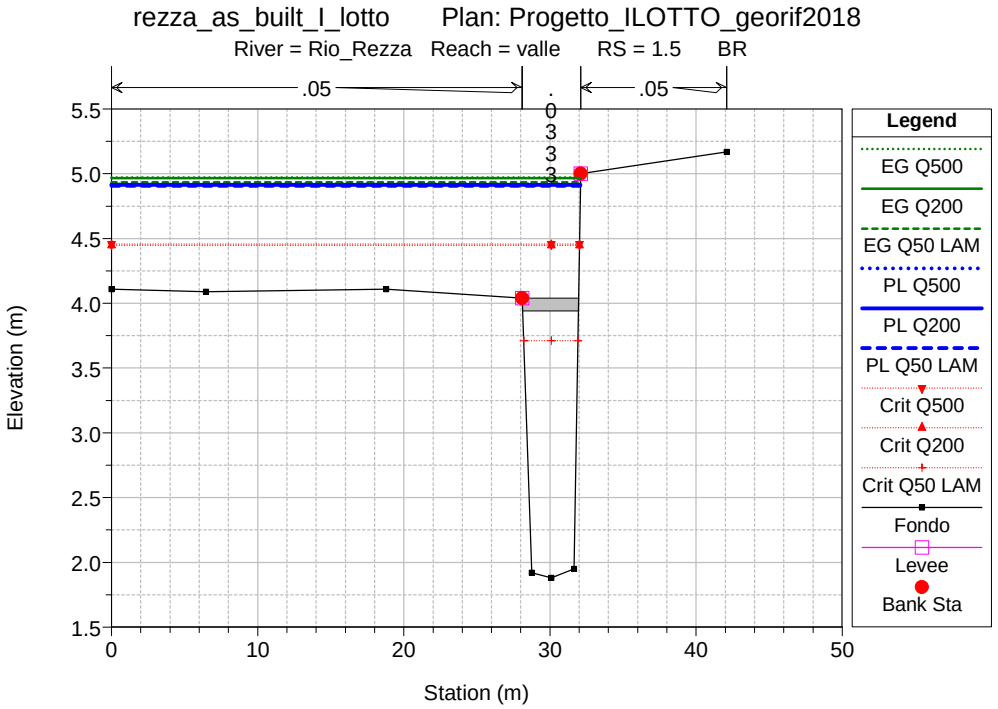
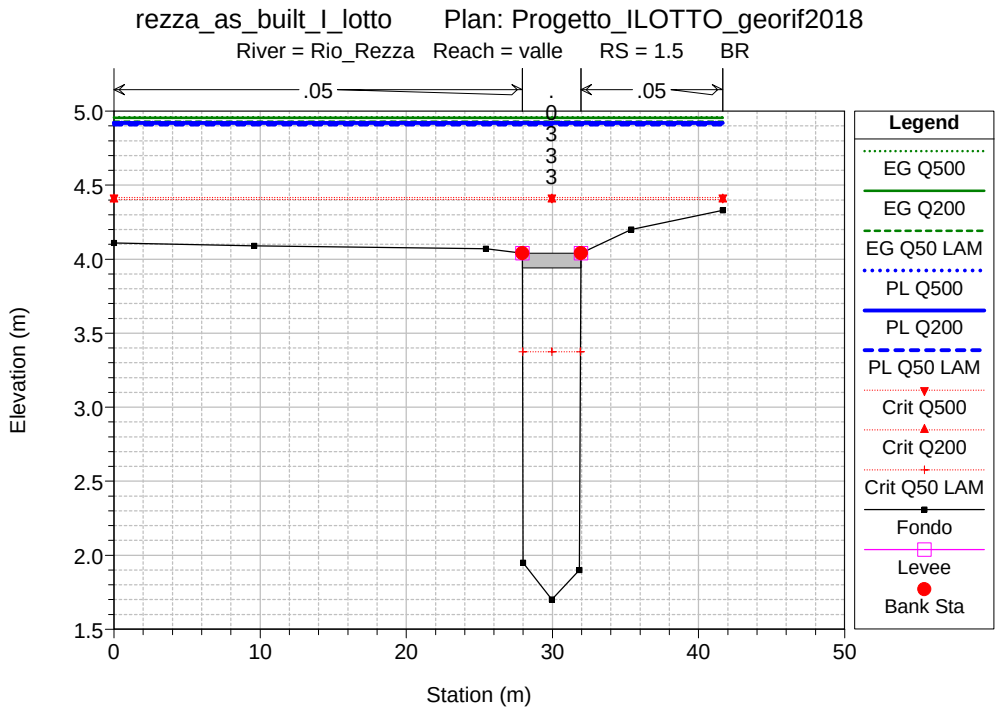
River = Rio_Rezza Reach = valle RS = 4
.05
.05
0333
Elevation (m)
Station (m)
Legend
EG Q200
PL Q200
EG Q500
PL Q500
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta

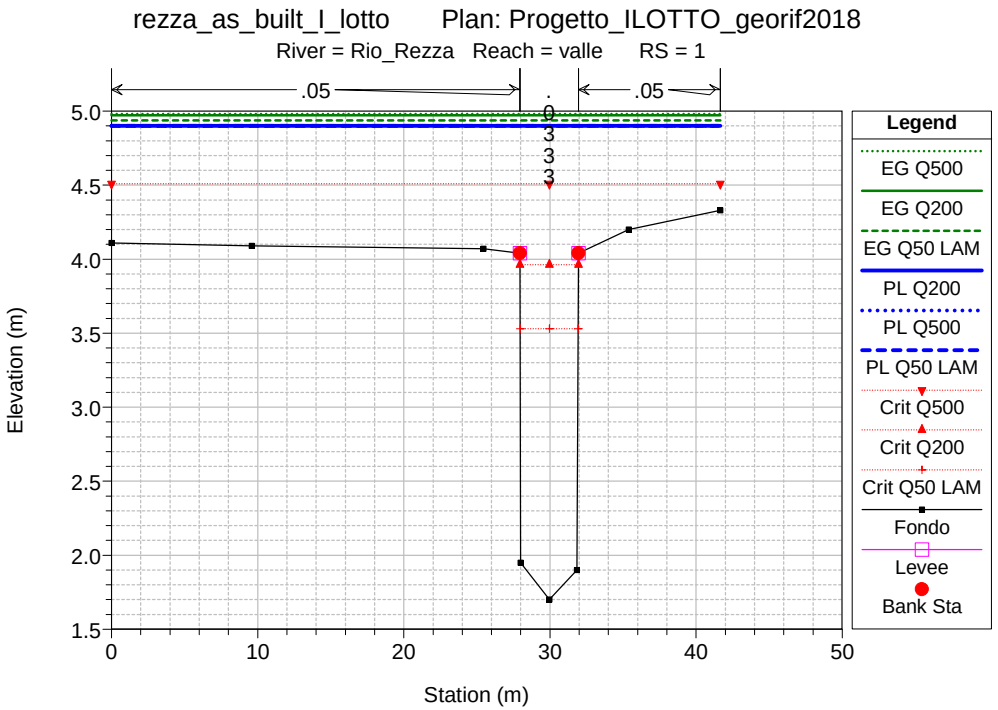

rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 3
.05
.0333
.05
Elevation (m)
Station (m)
Legend
EG Q200
EG Q500
PL Q500
EG Q50 LAM
PL Q200
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 2.25
.05
.0333
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q50 LAM
PL Q200
PL Q500
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 2
.05
.0333
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q50 LAM
PL Q500
PL Q200
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 1.5 BR
.05
.0333
.05
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q500
PL Q200
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 1.5 BR
.05
.05
0.333
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q500
PL Q200
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Rezza Reach = valle RS = 1
.05
.05
0.333
Elevation (m)
Station (m)
Legend
EG Q500
EG Q200
EG Q50 LAM
PL Q200
PL Q500
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Levee
Bank Sta

HEC-RAS Plan: 1_lotto_georif

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	53.5	Q50 LAM	20.93	13.70	15.40	16.22	0.82	16.07	0.67	15.11	15.79	0.006353	2.78	7.52	5.24	0.74
monte	53.5	Q200	38.50	13.70	16.48	16.22	-0.26	16.07	-0.41	15.75	16.61	0.001697	1.87	34.19	32.68	0.39
monte	53.5	Q500	46.30	13.70	16.83	16.22	-0.61	16.07	-0.76	15.99	16.93	0.001258	1.77	45.72	33.35	0.35
monte	53	Q50 LAM	20.93	13.52	14.98	16.11	1.13	16.01	1.03	14.98	15.58	0.011568	3.43	6.10	5.08	1.00
monte	53	Q200	38.50	13.52	15.61	16.11	0.50	16.01	0.40	15.61	16.45	0.011590	4.08	9.44	5.58	1.00
monte	53	Q500	46.30	13.52	15.84	16.11	0.27	16.01	0.17	15.84	16.78	0.011636	4.29	10.79	5.77	1.00
monte	52	Q50 LAM	20.93	12.40	14.39	16.13	1.74	15.33	0.94	13.42	14.52	0.001566	1.59	13.18	6.72	0.36
monte	52	Q200	38.50	12.40	14.82	16.13	1.31	15.33	0.51	13.92	15.11	0.003061	2.40	16.03	6.76	0.50
monte	52	Q500	46.30	12.40	13.44	16.13	2.69	15.33	1.89	14.12	15.80	0.052998	6.80	6.81	6.61	2.14
monte	51	Q50 LAM	20.93	12.10	14.09	14.10	0.01	13.95	-0.14	13.57	14.41	0.005488	2.58	10.60	17.98	0.59
monte	51	Q200	38.50	12.10	14.47	14.10	-0.37	13.95	-0.52	14.47	14.94	0.007302	3.36	18.07	21.13	0.71
monte	51	Q500	46.30	12.10	14.63	14.10	-0.53	13.95	-0.68	14.63	15.12	0.007453	3.54	21.41	22.43	0.72
monte	50	Q50 LAM	20.93	11.83	13.96	13.53	-0.43	13.44	-0.52	13.96	14.26	0.008963	2.96	12.73	19.49	0.66
monte	50	Q200	38.50	11.83	14.15	13.53	-0.62	13.44	-0.71	14.30	14.71	0.016405	4.25	16.71	21.60	0.91
monte	50	Q500	46.30	11.83	14.24	13.53	-0.71	13.44	-0.80	14.41	14.87	0.018321	4.61	18.64	22.55	0.97
monte	48	Q50 LAM	20.93	11.62	12.81	13.35	0.54	12.68	-0.13	12.98	13.93	0.038945	5.25	9.76	101.75	1.67
monte	48	Q200	38.50	11.62	12.87	13.35	0.48	12.68	-0.19	13.08	14.20	0.058191	6.62	16.32	101.75	2.04
monte	48	Q500	46.30	11.62	12.89	13.35	0.46	12.68	-0.21	13.11	14.31	0.065858	7.11	18.39	101.75	2.17
monte	47.99991		Lat Struct													
monte	46	Q50 LAM	20.93	10.83	12.44	12.44	0.00	12.34	-0.10	12.44	12.51	0.003166	1.69	29.11	107.90	0.49
monte	46	Q200	38.36	10.83	12.51	12.44	-0.07	12.34	-0.17	12.51	12.64	0.006557	2.52	36.16	107.90	0.71
monte	46	Q500	46.30	10.83	12.44	12.44	0.00	12.34	-0.10	12.55	12.77	0.015190	3.71	29.39	107.90	1.08
monte	45	Q50 LAM	20.93	10.47	12.06	12.08	0.02	11.67	-0.39	12.08	12.37	0.010031	3.05	12.24	24.80	0.84
monte	45	Q200	37.59	10.47	12.12	12.08	-0.04	11.67	-0.45	12.08	12.15	0.001776	1.32	55.48	77.75	0.35
monte	45	Q500	44.69	10.47	12.27	12.08	-0.19	11.67	-0.60	12.08	12.30	0.001363	1.24	67.45	77.75	0.32
monte	44	Q50 LAM	20.93	10.23	11.54	11.68	0.14	11.18	-0.36	11.68	12.10	0.020830	3.95	8.92	20.35	1.16
monte	44	Q200	33.99	10.23	12.14	11.68	-0.46	11.18	-0.96	11.71	12.14	0.000014	0.13	225.35	80.55	0.03
monte	44	Q500	36.99	10.23	12.29	11.68	-0.61	11.18	-1.11	11.71	12.29	0.000014	0.14	237.56	80.55	0.03
monte	43	Q50 LAM	20.93	9.98	11.70	11.70	0.00	11.25	-0.45	11.70	11.70	0.000008	0.07	201.51	81.35	0.02
monte	43	Q200	29.13	9.98	12.14	11.70	-0.44	11.25	-0.89	11.70	12.14	0.000009	0.09	236.91	81.35	0.02
monte	43	Q500	29.54	9.98	12.29	11.70	-0.59	11.25	-1.04	11.70	12.29	0.000008	0.09	249.25	81.35	0.02
valle	42.1	Q50 LAM	23.63	9.53	11.28	13.02	1.74	13.02	1.74	10.87	11.50	0.003331	2.12	11.17	8.25	0.58
valle	42.1	Q200	33.03	9.53	11.91	13.02	1.11	13.02	1.11	11.10	12.12	0.002050	2.01	16.41	8.25	0.46
valle	42.1	Q500	34.24	9.53	12.08	13.02	0.94	13.02	0.94	11.13	12.27	0.001726	1.92	17.83	8.25	0.42
valle	42		Bridge													
valle	41.9	Q50 LAM	23.63	9.29	11.33	13.02	1.69	13.02	1.69	10.39	11.45	0.001088	1.55	15.26	8.05	0.36
valle	41.9	Q200	33.03	9.29	11.94	13.02	1.08	13.02	1.08	10.63	12.08	0.000949	1.63	20.21	8.05	0.33
valle	41.9	Q500	34.24	9.29	12.11	13.02	0.91	13.02	0.91	10.66	12.24	0.000851	1.59	21.55	8.05	0.31
valle	41	Q50 LAM	23.63	9.22	11.29	12.67	1.38	12.60	1.31	10.39	11.44	0.001335	1.68	14.04	7.30	0.39

HEC-RAS Plan: 1_lotto_georif (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	41	Q200	33.03	9.22	11.90	12.67	0.77	12.60	0.70	10.64	12.07	0.001191	1.78	18.51	7.30	0.36
valle	41	Q500	34.24	9.22	12.07	12.67	0.60	12.60	0.53	10.68	12.23	0.001069	1.73	19.74	7.30	0.34
valle	40	Q50 LAM	23.63	9.06	11.18	12.45	1.27	12.32	1.14	10.43	11.40	0.002298	2.08	11.34	5.85	0.48
valle	40	Q200	33.03	9.06	11.78	12.45	0.67	12.32	0.54	10.72	12.03	0.002125	2.23	14.84	5.85	0.45
valle	40	Q500	34.24	9.06	11.96	12.45	0.49	12.32	0.36	10.76	12.20	0.001898	2.15	15.89	5.85	0.42
valle	39	Q50 LAM	23.63	8.75	10.51	12.11	1.60	12.10	1.59	10.48	11.24	0.011479	3.79	6.24	4.05	0.97
valle	39	Q200	33.03	8.75	11.25	12.11	0.86	12.10	0.85	10.86	11.90	0.007745	3.58	9.22	4.05	0.76
valle	39	Q500	34.24	8.75	11.53	12.11	0.58	12.10	0.57	10.91	12.09	0.006109	3.30	10.37	4.05	0.66
valle	38	Q50 LAM	23.63	8.34	10.50	11.68	1.18	11.71	1.21	10.08	10.96	0.006137	3.01	7.85	4.05	0.69
valle	38	Q200	33.03	8.34	11.21	11.68	0.47	11.71	0.50	10.45	11.70	0.005199	3.07	10.74	4.05	0.60
valle	38	Q500	34.24	8.34	11.50	11.68	0.18	11.71	0.21	10.50	11.92	0.004285	2.88	11.90	4.05	0.54
valle	37	Q50 LAM	23.63	7.76	10.48	11.16	0.68	11.04	0.56	9.51	10.76	0.003180	2.35	10.06	4.05	0.48
valle	37	Q200	33.03	7.76	11.16	11.16	0.00	11.04	-0.12	9.89	11.50	0.004279	2.58	12.79	4.05	0.46
valle	37	Q500	34.24	7.76	11.45	11.16	-0.29	11.04	-0.41	9.94	11.76	0.003625	2.45	13.98	4.05	0.42
valle	36.1	Q50 LAM	23.63	7.74	10.48	11.16	0.68	11.04	0.56	9.49	10.75	0.003107	2.33	10.13	4.05	0.47
valle	36.1	Q200	33.03	7.74	11.15	11.16	0.01	11.04	-0.11	9.87	11.49	0.004212	2.57	12.85	4.05	0.46
valle	36.1	Q500	34.24	7.74	11.44	11.16	-0.28	11.04	-0.40	9.91	11.75	0.003570	2.44	14.04	4.05	0.42
valle	36		Bridge													
valle	35.9	Q50 LAM	23.63	7.73	10.47	11.13	0.66	11.14	0.67	9.48	10.75	0.003087	2.33	10.15	4.05	0.47
valle	35.9	Q200	33.03	7.73	11.14	11.13	-0.01	11.14	0.00	9.86	11.47	0.003283	2.57	12.84	4.05	0.46
valle	35.9	Q500	34.24	7.73	11.22	11.13	-0.09	11.14	-0.08	9.91	11.57	0.004268	2.60	13.19	4.05	0.46
valle	35	Q50 LAM	23.63	7.67	10.25	10.39	0.14	11.28	1.03	9.61	10.69	0.005717	2.92	8.10	3.50	0.61
valle	35	Q200	33.03	7.67	10.88	10.39	-0.49	11.28	0.40	10.03	11.40	0.006037	3.21	10.29	3.50	0.60
valle	35	Q500	34.24	7.67	10.95	10.39	-0.56	11.28	0.33	10.07	11.49	0.006084	3.25	10.55	3.50	0.60
valle	34	Q50 LAM	23.63	7.93	10.27	7.93	-2.34	8.67	-1.60	9.43	10.61	0.007554	2.59	9.12	3.75	0.54
valle	34	Q200	33.03	7.93	10.90	7.93	-2.97	8.67	-2.23	9.83	11.33	0.007868	2.87	11.49	3.75	0.53
valle	34	Q500	34.24	7.93	10.98	7.93	-3.05	8.67	-2.31	9.88	11.41	0.007915	2.91	11.78	3.75	0.53
valle	33	Q50 LAM	23.63	7.42	9.97	7.42	-2.55	8.37	-1.60	9.37	10.46	0.013415	3.12	7.58	3.20	0.62
valle	33	Q200	33.03	7.42	10.53	7.42	-3.11	8.37	-2.16	9.82	11.16	0.014727	3.53	9.36	3.20	0.64
valle	33	Q500	34.24	7.42	10.59	7.42	-3.17	8.37	-2.22	9.87	11.25	0.014893	3.58	9.58	3.20	0.64
valle	32	Q50 LAM	23.63	7.59	9.24	7.59	-1.65	8.02	-1.22	9.24	10.13	0.026107	4.17	5.67	3.20	1.04
valle	32	Q200	33.03	7.59	9.69	7.59	-2.09	8.02	-1.67	9.69	10.79	0.027556	4.66	7.08	3.20	1.03
valle	32	Q500	34.24	7.59	9.74	7.59	-2.15	8.02	-1.72	9.74	10.87	0.027690	4.72	7.26	3.20	1.03
valle	31	Q50 LAM	23.63	7.43	8.54	7.43	-1.11	7.98	-0.56	8.82	9.67	0.040138	4.72	5.01	4.05	1.43
valle	31	Q200	33.03	7.43	9.71	7.43	-2.28	7.98	-1.73	9.20	10.29	0.011678	3.39	9.74	4.05	0.72
valle	31	Q500	34.24	7.43	9.79	7.43	-2.36	7.98	-1.81	9.24	10.38	0.011487	3.40	10.06	4.05	0.71
valle	30	Q50 LAM	23.63	6.86	9.34	11.00	1.66	11.00	1.66	8.40	9.49	0.002061	1.73	13.64	6.80	0.39
valle	30	Q200	33.03	6.86	9.95	11.00	1.05	11.00	1.05	8.67	10.13	0.001890	1.85	17.81	6.80	0.37
valle	30	Q500	34.24	6.86	10.03	11.00	0.97	11.00	0.97	8.70	10.21	0.001866	1.86	18.37	6.80	0.36

HEC-RAS Plan: 1_lotto_georif (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	29.5	Q50 LAM	23.63	6.25	9.37	8.81	-0.56	11.00	1.63	7.69	9.47	0.001118	1.39	17.00	6.85	0.28
valle	29.5	Q200	33.03	6.25	9.99	8.81	-1.18	11.00	1.01	8.03	10.11	0.001184	1.56	21.18	6.85	0.28
valle	29.5	Q500	34.24	6.25	10.07	8.81	-1.26	11.00	0.93	8.07	10.19	0.001185	1.58	21.74	6.85	0.28
valle	29.1	Q50 LAM	23.63	6.24	9.38	9.45	0.07	11.00	1.62	7.65	9.47	0.001142	1.34	17.59	7.30	0.28
valle	29.1	Q200	33.03	6.24	9.99	9.45	-0.54	11.00	1.01	7.99	10.10	0.001170	1.50	22.06	7.30	0.27
valle	29.1	Q500	34.24	6.24	10.07	9.45	-0.62	11.00	0.93	8.03	10.19	0.001167	1.51	22.65	7.30	0.27
valle	29		Bridge													
valle	28.9	Q50 LAM	23.63	6.23	9.34	9.41	0.07	11.00	1.66	7.56	9.41	0.000794	1.15	20.64	9.30	0.25
valle	28.9	Q200	33.03	6.23	9.96	9.41	-0.55	11.00	1.04	7.88	10.04	0.000752	1.25	26.41	9.30	0.24
valle	28.9	Q500	34.24	6.23	10.04	9.41	-0.63	11.00	0.96	7.92	10.12	0.000745	1.26	27.17	9.30	0.24
valle	28	Q50 LAM	23.63	6.19	9.21	8.72	-0.49	11.00	1.79	7.88	9.38	0.002275	1.80	13.11	5.65	0.38
valle	28	Q200	33.03	6.19	9.80	8.72	-1.08	11.00	1.20	8.41	10.01	0.002386	2.01	16.43	5.65	0.38
valle	28	Q500	34.24	6.19	9.88	8.72	-1.16	11.00	1.12	8.45	10.09	0.002385	2.03	16.88	5.65	0.37
valle	27	Q50 LAM	23.63	6.15	9.17	8.70	-0.47	11.00	1.83	8.08	9.36	0.002716	1.98	12.09	5.35	0.41
valle	27	Q200	33.03	6.15	9.74	8.70	-1.04	11.00	1.26	8.42	9.99	0.002778	2.23	15.17	5.35	0.41
valle	27	Q500	34.24	6.15	9.82	8.70	-1.12	11.00	1.18	8.45	10.07	0.002765	2.25	15.58	5.35	0.41
valle	26.1	Q50 LAM	23.63	6.14	9.14	8.70	-0.44	11.00	1.86	8.08	9.36	0.003231	2.07	11.41	4.70	0.42
valle	26.1	Q200	33.03	6.14	9.70	8.70	-1.00	11.00	1.30	8.43	9.98	0.003610	2.35	14.05	4.70	0.43
valle	26.1	Q500	34.24	6.14	9.78	8.70	-1.08	11.00	1.22	8.47	10.06	0.003630	2.38	14.41	4.70	0.43
valle	26		Bridge													
valle	25.9	Q50 LAM	23.63	6.05	8.94	7.47	-1.47	7.85	-1.09	8.11	9.01	0.001795	1.48	25.16	27.79	0.28
valle	25.9	Q200	33.03	6.05	9.51	7.47	-2.04	7.85	-1.66	8.51	9.55	0.001009	1.21	44.12	38.64	0.21
valle	25.9	Q500	34.24	6.05	9.60	7.47	-2.13	7.85	-1.75	8.54	9.63	0.000913	1.16	47.47	40.26	0.20
valle	25.1	Q50 LAM	23.63	6.00	8.70	7.45	-1.25	7.58	-1.12	7.68	8.97	0.004113	2.33	10.81	4.60	0.46
valle	25.1	Q200	33.03	6.00	9.08	7.45	-1.63	7.58	-1.50	8.08	9.48	0.005351	2.83	12.56	4.60	0.52
valle	25.1	Q500	34.24	6.00	9.14	7.45	-1.69	7.58	-1.56	8.13	9.55	0.005375	2.87	12.87	4.60	0.52
valle	25		Bridge													
valle	24.9	Q50 LAM	23.63	6.01	8.43	7.85	-0.58	7.86	-0.57	7.52	8.65	0.003713	2.15	13.15	14.22	0.45
valle	24.9	Q200	33.03	6.01	8.66	7.85	-0.81	7.86	-0.80	7.88	8.96	0.004810	2.57	16.85	18.14	0.51
valle	24.9	Q500	34.24	6.01	8.72	7.85	-0.87	7.86	-0.86	7.93	9.01	0.004618	2.54	18.00	19.19	0.50
valle	24	Q50 LAM	23.63	5.97	8.35	7.85	-0.50	7.86	-0.49	7.54	8.63	0.004545	2.37	11.78	12.80	0.50
valle	24	Q200	33.03	5.97	8.35	7.85	-0.50	7.86	-0.49	7.96	8.89	0.009013	3.32	11.68	12.67	0.70
valle	24	Q500	34.24	5.97	8.36	7.85	-0.51	7.86	-0.50	8.08	8.93	0.009510	3.42	11.81	12.83	0.72
valle	23	Q50 LAM	23.63	5.87	7.97	7.85	-0.12	8.30	0.33	7.59	8.54	0.010147	3.33	7.09	3.40	0.74
valle	23	Q200	33.03	5.87	8.42	7.85	-0.57	8.30	-0.12	8.33	8.73	0.009018	2.83	17.21	22.46	0.57
valle	23	Q500	34.24	5.87	8.45	7.85	-0.60	8.30	-0.15	8.35	8.76	0.008917	2.83	17.98	23.14	0.56
valle	22	Q50 LAM	23.63	5.84	8.27	7.84	-0.43	8.27	0.00	8.27	8.38	0.003815	1.78	20.28	25.69	0.36
valle	22	Q200	33.03	5.84	8.54	7.84	-0.70	8.27	-0.27	8.27	8.65	0.003587	1.85	28.06	31.08	0.36
valle	22	Q500	34.24	5.84	8.57	7.84	-0.73	8.27	-0.30	8.27	8.68	0.003567	1.86	29.02	31.68	0.36

HEC-RAS Plan: 1_lotto_georif (Continued)

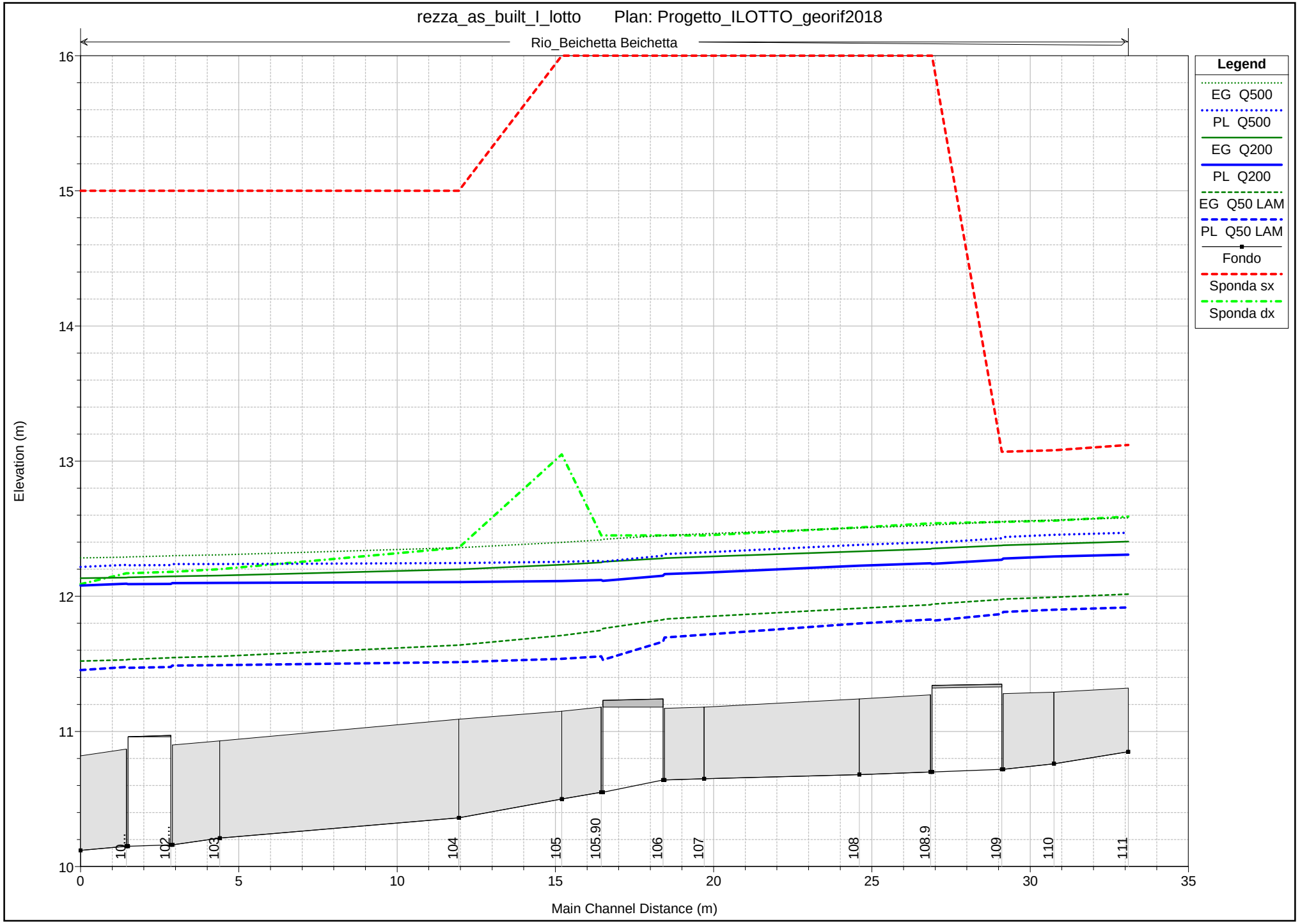
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle	21.5		Bridge													
valle	21	Q50 LAM	23.63	5.75	7.97	7.76	-0.21	8.80	0.83	7.36	8.24	0.004887	2.47	11.76	8.60	0.53
valle	21	Q200	33.03	5.75	8.31	7.76	-0.55	8.80	0.49	7.85	8.64	0.005477	2.79	14.69	8.60	0.56
valle	21	Q500	34.24	5.75	8.32	7.76	-0.56	8.80	0.48	7.89	8.67	0.005791	2.88	14.78	8.60	0.57
valle	20.75	Q50 LAM	23.63	5.72	7.95	7.76	-0.19	8.80	0.85	7.36	8.21	0.004673	2.43	12.07	8.75	0.52
valle	20.75	Q200	33.03	5.72	8.29	7.76	-0.53	8.80	0.51	7.82	8.61	0.005223	2.75	15.04	8.75	0.55
valle	20.75	Q500	34.24	5.72	8.30	7.76	-0.54	8.80	0.50	7.82	8.64	0.005531	2.83	15.13	8.75	0.57
valle	20.25	Q50 LAM	23.63	5.53	7.96	7.09	-0.87	8.77	0.81	7.26	8.10	0.002163	1.84	16.58	10.50	0.38
valle	20.25	Q200	33.03	5.53	8.31	7.09	-1.22	8.77	0.46	7.52	8.48	0.002502	2.10	20.19	10.50	0.41
valle	20.25	Q500	34.24	5.53	8.32	7.09	-1.23	8.77	0.45	7.55	8.50	0.002646	2.17	20.32	10.50	0.42
valle	20	Q50 LAM	23.63	5.46	7.96	7.10	-0.86	8.48	0.52	7.13	8.08	0.001726	1.69	17.90	10.85	0.34
valle	20	Q200	33.03	5.46	8.30	7.10	-1.20	8.48	0.18	7.41	8.46	0.002040	1.95	21.63	10.85	0.37
valle	20	Q500	34.24	5.46	8.32	7.10	-1.22	8.48	0.16	7.43	8.48	0.002159	2.01	21.76	10.85	0.38
valle	19.5		Bridge													
valle	19	Q50 LAM	23.63	5.45	7.92	7.01	-0.91	8.34	0.42	7.11	8.04	0.001716	1.71	17.65	10.80	0.35
valle	19	Q200	33.03	5.45	8.26	7.01	-1.25	8.34	0.08	7.38	8.42	0.002040	1.98	21.28	10.80	0.38
valle	19	Q500	34.24	5.45	8.26	7.01	-1.25	8.34	0.08	7.41	8.43	0.002182	2.05	21.32	10.80	0.40
valle	18.75	Q50 LAM	23.63	5.40	7.92	7.05	-0.87	8.34	0.42	6.93	8.03	0.001624	1.68	17.89	10.70	0.35
valle	18.75	Q200	33.03	5.40	8.25	7.05	-1.20	8.34	0.09	7.34	8.41	0.001952	1.96	21.47	10.70	0.38
valle	18.75	Q500	34.24	5.40	8.25	7.05	-1.20	8.34	0.09	7.37	8.42	0.002090	2.03	21.50	10.70	0.39
valle	18.25	Q50 LAM	23.63	5.29	7.85	7.10	-0.75	8.35	0.50	7.00	8.01	0.002460	1.94	15.56	9.50	0.40
valle	18.25	Q200	33.03	5.29	8.17	7.10	-1.07	8.35	0.18	7.42	8.37	0.003026	2.27	18.54	9.50	0.44
valle	18.25	Q500	34.24	5.29	8.16	7.10	-1.06	8.35	0.19	7.45	8.38	0.003277	2.36	18.49	9.50	0.46
valle	18	Q50 LAM	23.63	5.25	7.79	7.16	-0.63	8.35	0.56	7.22	7.99	0.003591	2.20	13.72	8.85	0.45
valle	18	Q200	33.03	5.25	8.08	7.16	-0.92	8.35	0.27	7.51	8.35	0.004461	2.58	16.32	8.85	0.50
valle	18	Q500	34.24	5.25	8.07	7.16	-0.90	8.35	0.28	7.54	8.36	0.004914	2.70	16.17	8.85	0.53
valle	17.5		Bridge													
valle	17	Q50 LAM	23.63	5.25	7.64	7.16	-0.48	8.26	0.62	7.36	7.94	0.006470	2.67	11.11	8.45	0.60
valle	17	Q200	33.03	5.25	7.89	7.16	-0.73	8.26	0.37	7.62	8.29	0.008088	3.15	13.16	8.45	0.67
valle	17	Q500	34.24	5.25	7.93	7.16	-0.77	8.26	0.33	7.65	8.34	0.008019	3.17	13.57	8.45	0.67
valle	16	Q50 LAM	23.63	5.12	7.65	7.16	-0.49	8.26	0.61	6.82	7.85	0.003060	2.13	13.67	8.60	0.44
valle	16	Q200	33.03	5.12	7.89	7.16	-0.73	8.26	0.37	7.31	8.18	0.004226	2.61	15.68	8.60	0.52
valle	16	Q500	34.24	5.12	7.93	7.16	-0.77	8.26	0.33	7.34	8.23	0.004264	2.64	16.06	8.60	0.52
valle	15.5		Bridge													
valle	15	Q50 LAM	23.63	5.11	7.51	7.14	-0.37	8.23	0.72	6.83	7.74	0.003799	2.26	12.97	8.95	0.48
valle	15	Q200	33.03	5.11	7.63	7.14	-0.49	8.23	0.60	7.29	8.00	0.006056	2.93	14.05	8.96	0.61
valle	15	Q500	34.24	5.11	7.68	7.14	-0.54	8.23	0.55	7.33	8.05	0.006078	2.96	14.43	8.96	0.61

HEC-RAS Plan: 1_lotto_georif (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	14.50	Q50 LAM	23.63	5.10	7.00	7.14	0.14	8.25	1.25	6.81	7.63	0.011610	3.52	6.70	3.81	0.85
valle	14.50	Q200	33.03	5.10	7.43	7.14	-0.29	8.25	0.82	7.29	7.95	0.008882	3.39	11.87	8.39	0.73
valle	14.50	Q500	34.24	5.10	7.47	7.14	-0.33	8.25	0.78	7.32	7.99	0.008926	3.43	12.19	8.40	0.74
valle	14.2	Q50 LAM	23.63	4.87	6.77	7.10	0.33	8.25	1.48	6.49	7.32	0.009616	3.30	7.15	3.94	0.78
valle	14.2	Q200	33.03	4.87	7.28	7.10	-0.18	8.25	0.97	6.88	7.71	0.006890	3.08	13.25	9.56	0.65
valle	14.2	Q500	34.24	4.87	7.32	7.10	-0.22	8.25	0.93	6.93	7.75	0.006919	3.11	13.63	9.57	0.65
valle	14.1	Q50 LAM	23.63	4.48	6.92	7.10	0.18	8.25	1.33	6.10	7.25	0.004889	2.55	9.26	3.98	0.53
valle	14.1	Q200	33.03	4.48	7.37	7.10	-0.27	8.25	0.88	6.50	7.67	0.004363	2.59	15.56	9.58	0.50
valle	14.1	Q500	34.24	4.48	7.41	7.10	-0.31	8.25	0.84	6.55	7.72	0.004434	2.63	15.93	9.58	0.50
valle	13.5	Q50 LAM	23.63	4.39	6.80	6.42	-0.38	4.39	-2.40	6.03	7.15	0.011664	2.67	9.53	6.56	0.54
valle	13.5	Q200	33.03	4.39	6.96	6.42	-0.54	4.39	-2.56	6.42	7.53	0.018938	3.46	10.70	8.27	0.67
valle	13.5	Q500	34.24	4.39	6.91	6.42	-0.49	4.39	-2.52	6.44	7.56	0.021390	3.66	10.37	7.82	0.72
valle	13	Q50 LAM	23.63	4.20	6.69	7.20	0.51	7.47	0.78	5.93	7.08	0.006064	2.76	8.58	3.59	0.57
valle	13	Q200	33.03	4.20	7.26	7.20	-0.06	7.47	0.21	6.35	7.35	0.001931	1.65	30.25	25.14	0.31
valle	13	Q500	34.24	4.20	7.26	7.20	-0.06	7.47	0.21	6.40	7.36	0.002059	1.71	30.34	25.14	0.32
valle	12.5		Bridge													
valle	12	Q50 LAM	23.63	3.79	5.95	6.50	0.55	6.50	0.55	5.50	6.42	0.007272	3.03	7.81	3.96	0.69
valle	12	Q200	33.03	3.79	5.54	6.50	0.96	6.50	0.96	5.90	6.99	0.026451	5.34	6.18	3.89	1.35
valle	12	Q500	34.24	3.79	5.65	6.50	0.85	6.50	0.85	5.95	7.02	0.023726	5.18	6.61	3.91	1.27
valle	11.5	Q50 LAM	23.63	3.69	6.04	7.00	0.96	6.00	-0.04	5.56	6.27	0.005833	2.34	12.34	7.12	0.51
valle	11.5	Q200	33.03	3.69	5.99	7.00	1.01	6.00	0.01	6.00	7.02	0.022048	4.49	7.35	3.56	1.00
valle	11.5	Q500	34.24	3.69	6.10	7.00	0.90	6.00	-0.10	6.00	6.55	0.011194	3.28	12.75	7.12	0.71
valle	10	Q50 LAM	23.63	3.42	6.00	6.72	0.72	5.57	-0.43	5.21	6.11	0.002722	1.74	20.38	23.82	0.36
valle	10	Q200	33.03	3.42	5.77	6.72	0.95	5.57	-0.20	5.77	6.15	0.009378	3.09	15.47	20.51	0.68
valle	10	Q500	34.24	3.42	5.80	6.72	0.92	5.57	-0.23	5.80	6.18	0.009396	3.11	16.02	20.91	0.68
valle	8	Q50 LAM	23.63	3.23	5.14	6.62	1.48	5.29	0.15	5.14	5.93	0.019032	3.92	6.02	3.84	1.00
valle	8	Q200	33.03	3.23	5.57	6.62	1.05	5.29	-0.28	5.29	5.68	0.003359	1.83	26.39	25.98	0.42
valle	8	Q500	34.24	3.23	5.52	6.62	1.10	5.29	-0.23	5.29	5.65	0.004190	2.02	25.07	25.97	0.47
valle	7	Q50 LAM	23.63	3.01	5.30	5.09	-0.21	4.95	-0.35	4.95	5.33	0.001186	1.13	36.74	49.20	0.27
valle	7	Q200	33.03	3.01	5.61	5.09	-0.52	4.95	-0.66	5.05	5.63	0.000841	1.05	51.80	49.20	0.23
valle	7	Q500	34.24	3.01	5.56	5.09	-0.47	4.95	-0.61	5.07	5.60	0.001024	1.14	49.70	49.20	0.25
valle	5	Q50 LAM	23.63	2.81	5.28	4.84	-0.44	4.70	-0.58	4.89	5.31	0.000981	1.11	38.19	48.45	0.25
valle	5	Q200	33.03	2.81	5.59	4.84	-0.75	4.70	-0.89	5.00	5.62	0.000730	1.05	53.28	48.45	0.22
valle	5	Q500	34.24	2.81	5.55	4.84	-0.71	4.70	-0.85	5.01	5.58	0.000891	1.15	51.05	48.45	0.24
valle	4	Q50 LAM	23.63	2.47	5.16	4.82	-0.34	4.96	-0.20	4.47	5.26	0.002509	1.70	25.23	47.50	0.37
valle	4	Q200	33.03	2.47	5.54	4.82	-0.72	4.96	-0.58	5.14	5.59	0.001263	1.35	43.19	47.50	0.27
valle	4	Q500	34.24	2.47	5.47	4.82	-0.65	4.96	-0.51	5.15	5.54	0.001662	1.52	40.14	47.50	0.31
valle	3	Q50 LAM	23.63	2.14	4.85	4.99	0.14	4.87	0.02	3.94	5.14	0.005062	2.38	9.92	4.46	0.51
valle	3	Q200	33.03	2.14	4.95	4.99	0.04	4.87	-0.08	4.35	5.47	0.008672	3.18	10.70	12.73	0.67
valle	3	Q500	34.24	2.14	5.27	4.99	-0.28	4.87	-0.40	4.40	5.46	0.003525	2.20	26.08	46.10	0.43

HEC-RAS Plan: 1_lotto_georif (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	2.25	Q50 LAM	23.63	1.93	4.71	5.08	0.37	5.00	0.29	3.72	5.03	0.005929	2.48	9.52	3.81	0.50
valle	2.25	Q200	33.03	1.93	4.42	5.08	0.67	5.00	0.58	4.15	5.21	0.016004	3.94	8.39	3.73	0.84
valle	2.25	Q500	34.24	1.93	4.33	5.08	0.75	5.00	0.67	4.20	5.25	0.018888	4.23	8.09	3.71	0.92
valle	2	Q50 LAM	23.63	1.88	4.90	4.04	-0.86	5.00	0.10	3.71	4.94	0.000953	1.11	33.27	32.09	0.22
valle	2	Q200	33.03	1.88	4.90	4.04	-0.86	5.00	0.10	4.48	4.97	0.001863	1.55	33.27	32.09	0.30
valle	2	Q500	34.24	1.88	4.90	4.04	-0.86	5.00	0.10	4.50	4.98	0.002002	1.60	33.27	32.09	0.31
valle	1.5		Bridge													
valle	1	Q50 LAM	27.33	1.70	4.90	4.04	-0.86	4.04	-0.86	3.53	4.94	0.000795	1.11	41.62	41.65	0.20
valle	1	Q200	38.33	1.70	4.90	4.04	-0.86	4.04	-0.86	3.96	4.97	0.001563	1.56	41.62	41.65	0.28
valle	1	Q500	40.64	1.70	4.90	4.04	-0.86	4.04	-0.86	4.51	4.98	0.001757	1.65	41.62	41.65	0.30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Legend
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PL Q500
EG Q200
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EG Q50 LAM
PL Q50 LAM
Fondo
Sponda sx
Sponda dx
Elevation (m)
Main Channel Distance (m)
16
15
14
13
12
11
10
0
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110
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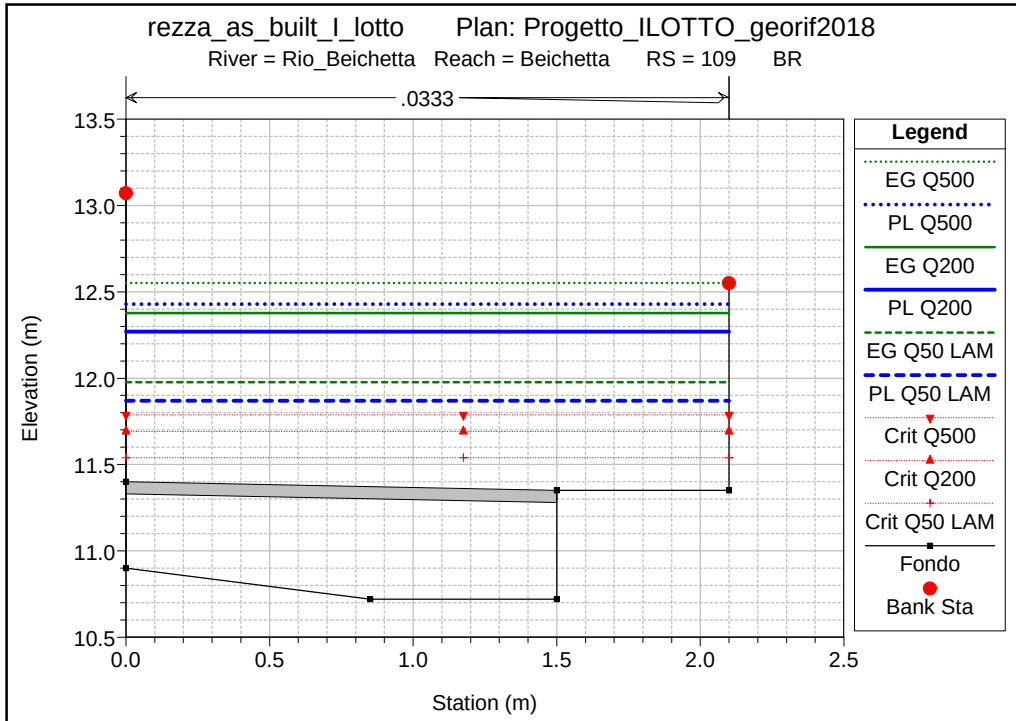
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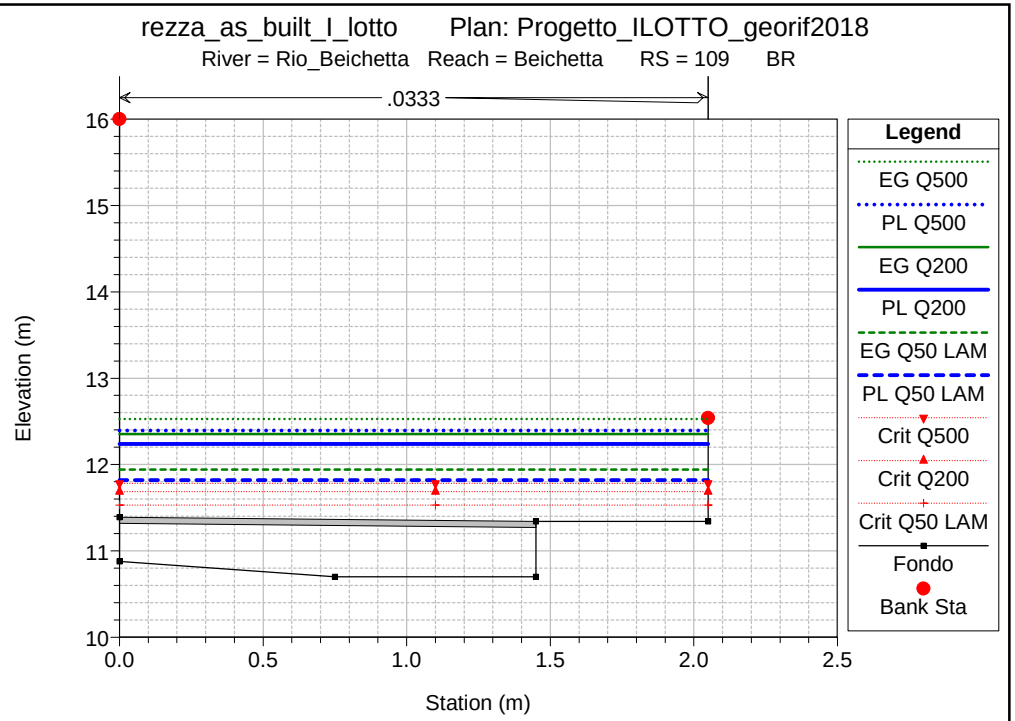
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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Station (m)
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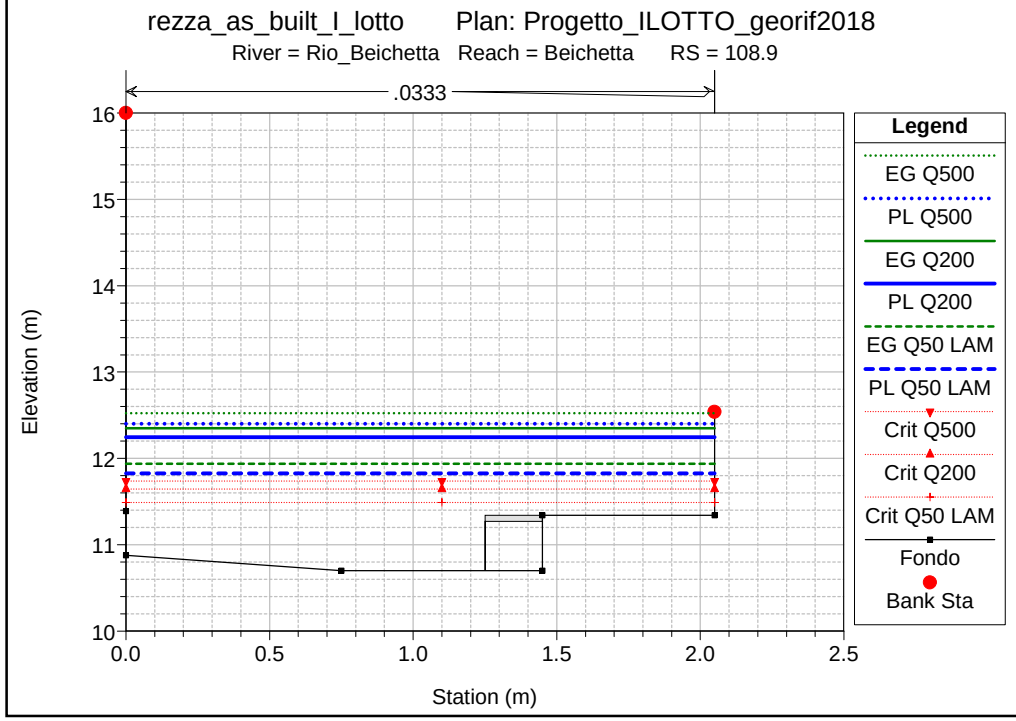
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Station (m)
Legend
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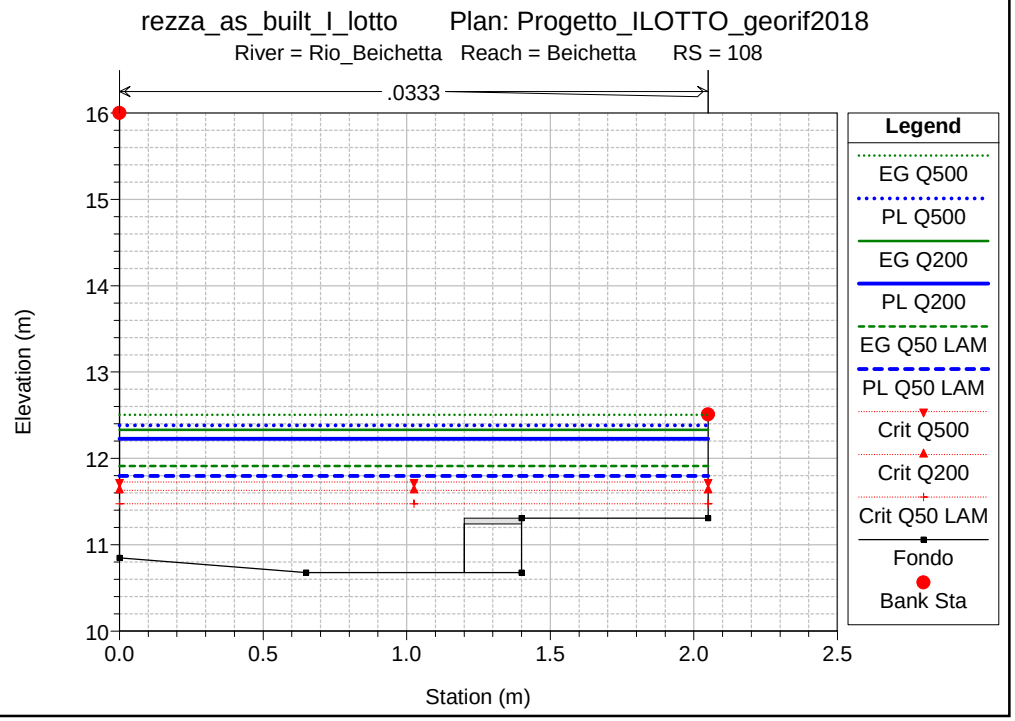
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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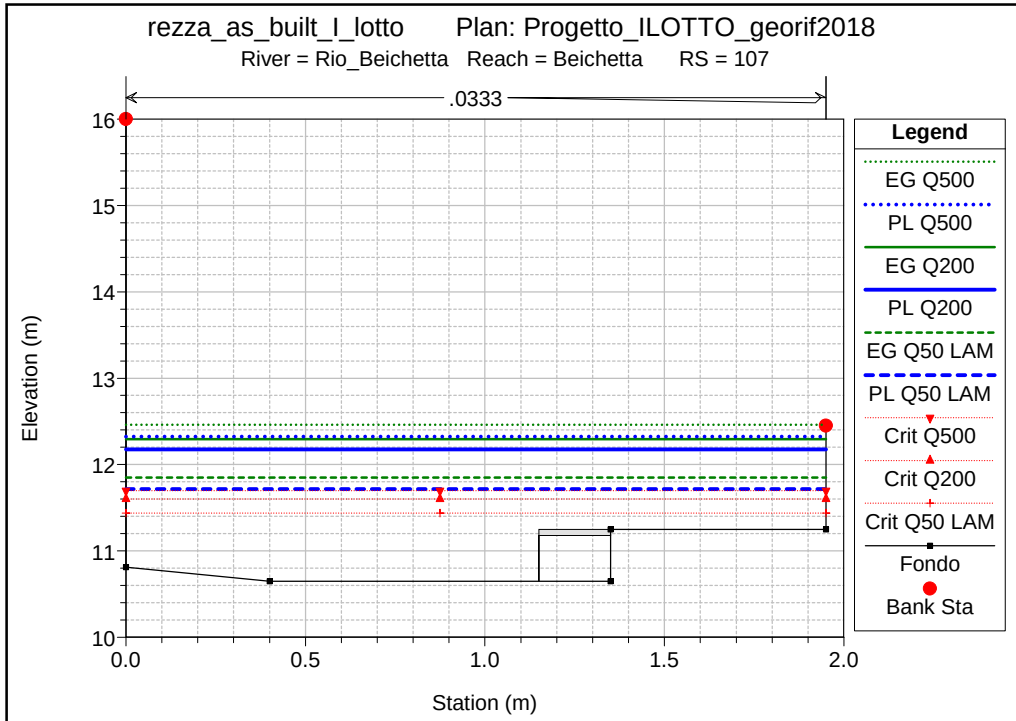
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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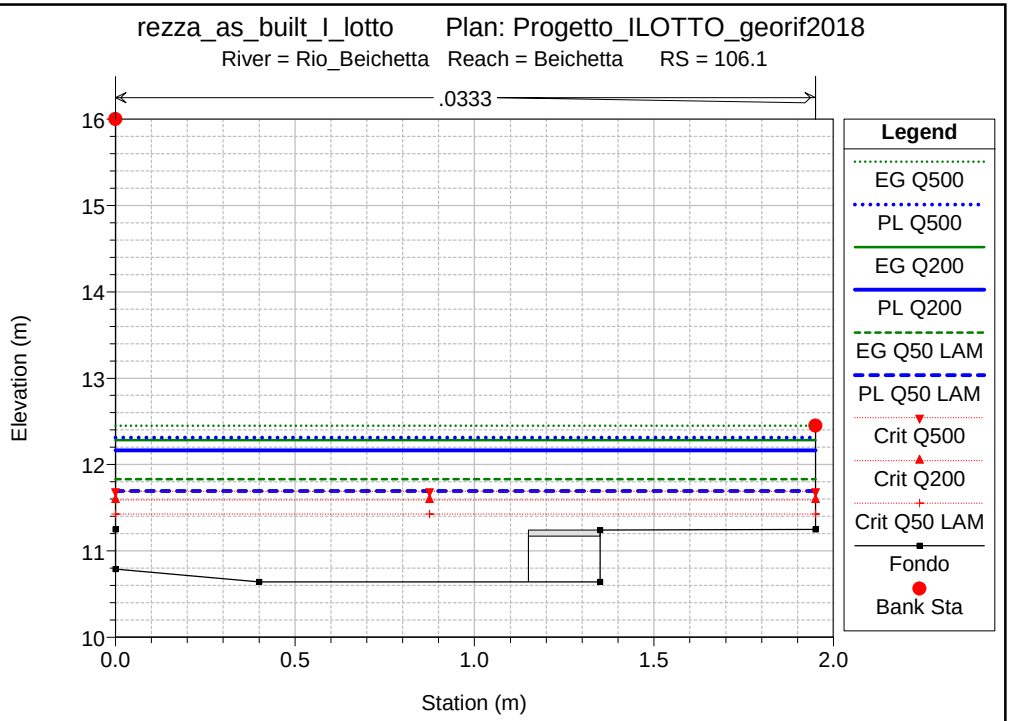
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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Elevation (m)
Station (m)
Legend
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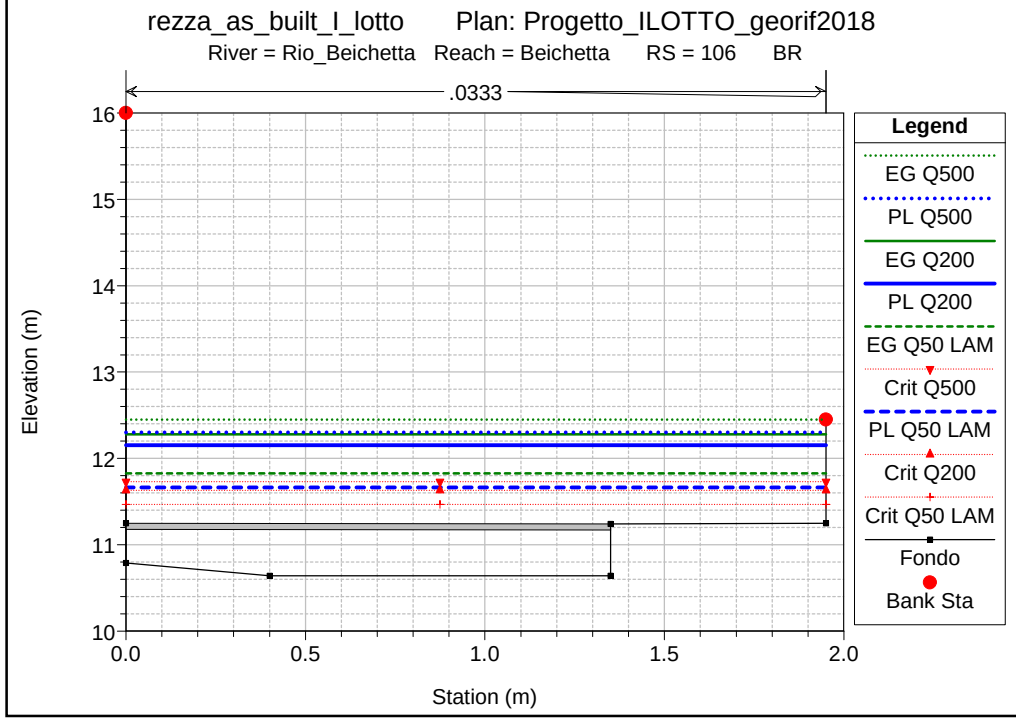
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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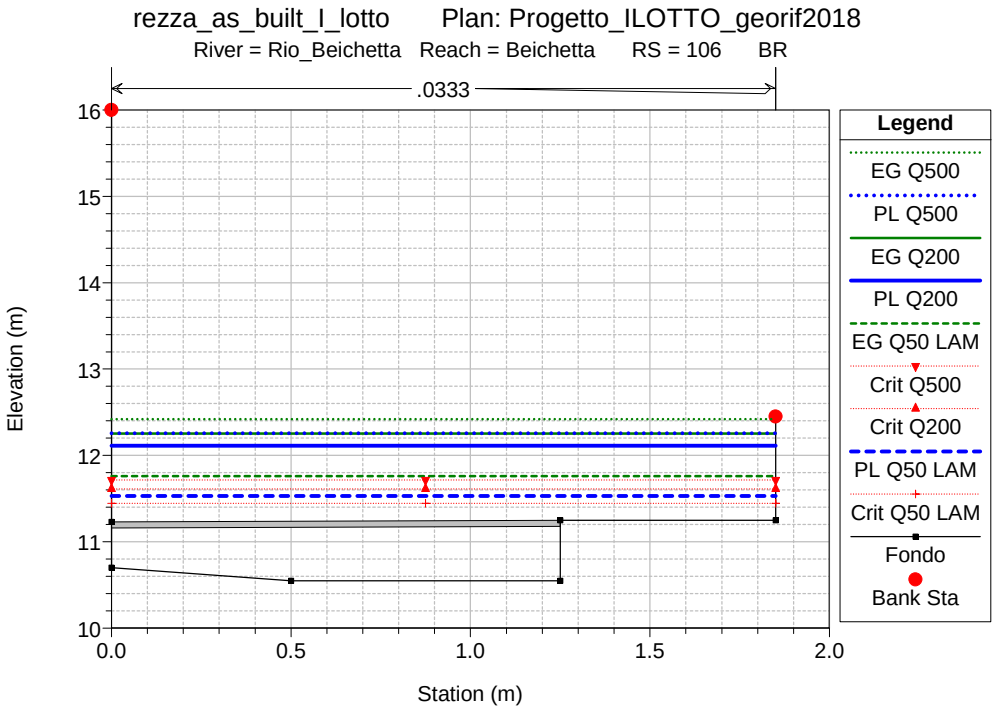
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
Crit Q500
PL Q50 LAM
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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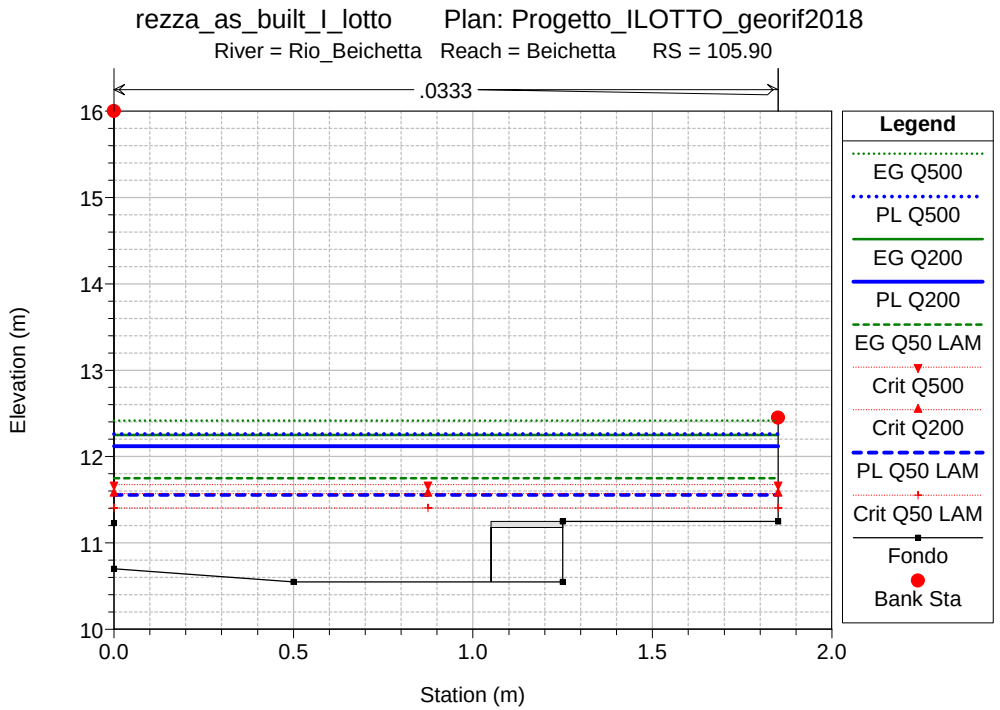
.0333
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
Crit Q500
Crit Q200
PL Q50 LAM
Crit Q50 LAM
Fondo
Bank Sta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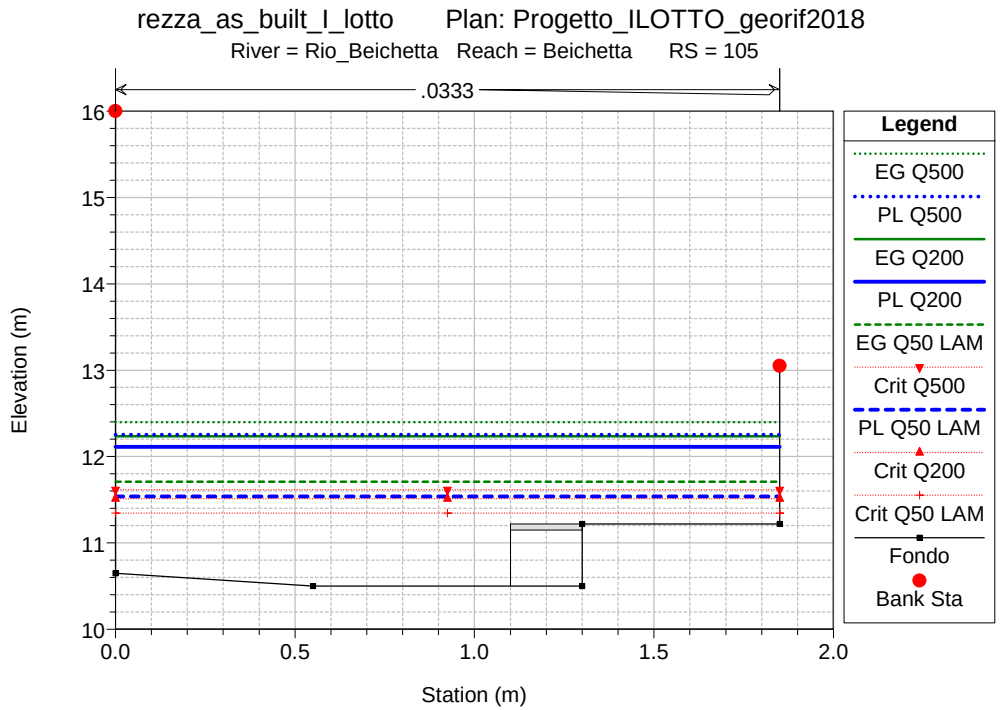
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
Crit Q500
Crit Q200
PL Q50 LAM
Crit Q50 LAM
Fondo
Bank Sta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Station (m)
Legend
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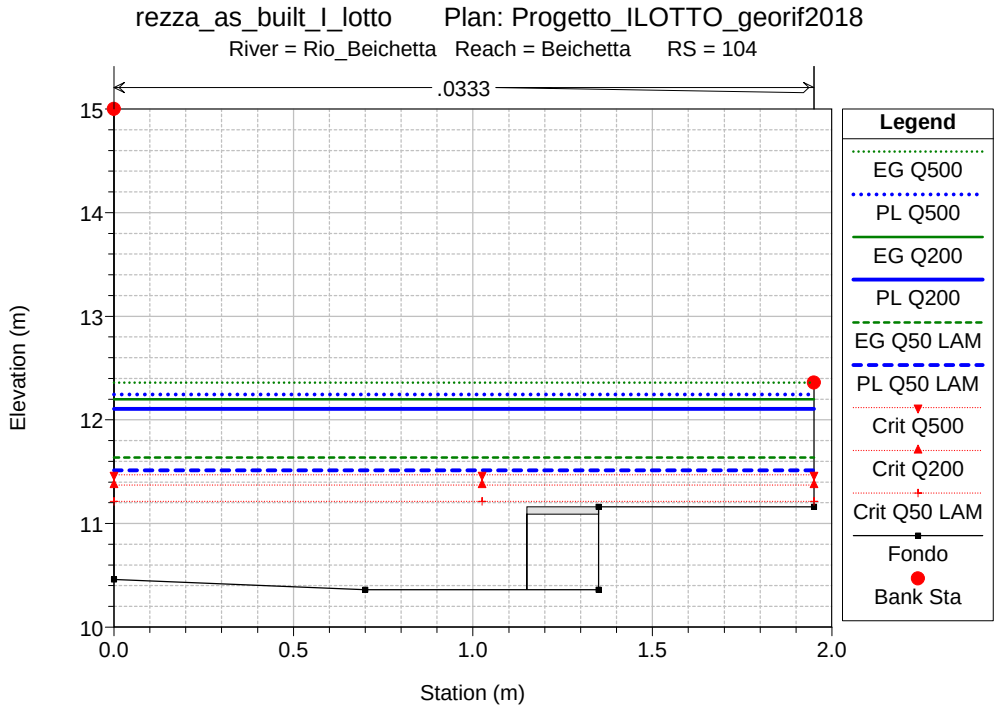
PL Q500
EG Q200
PL Q200
EG Q50 LAM
Crit Q500
PL Q50 LAM
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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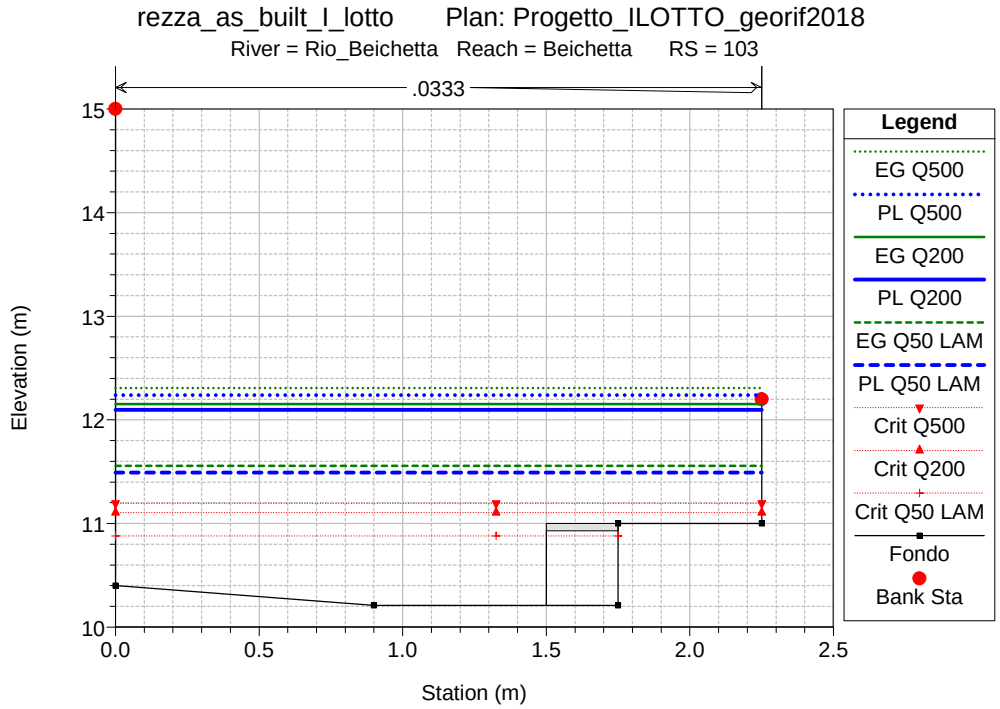
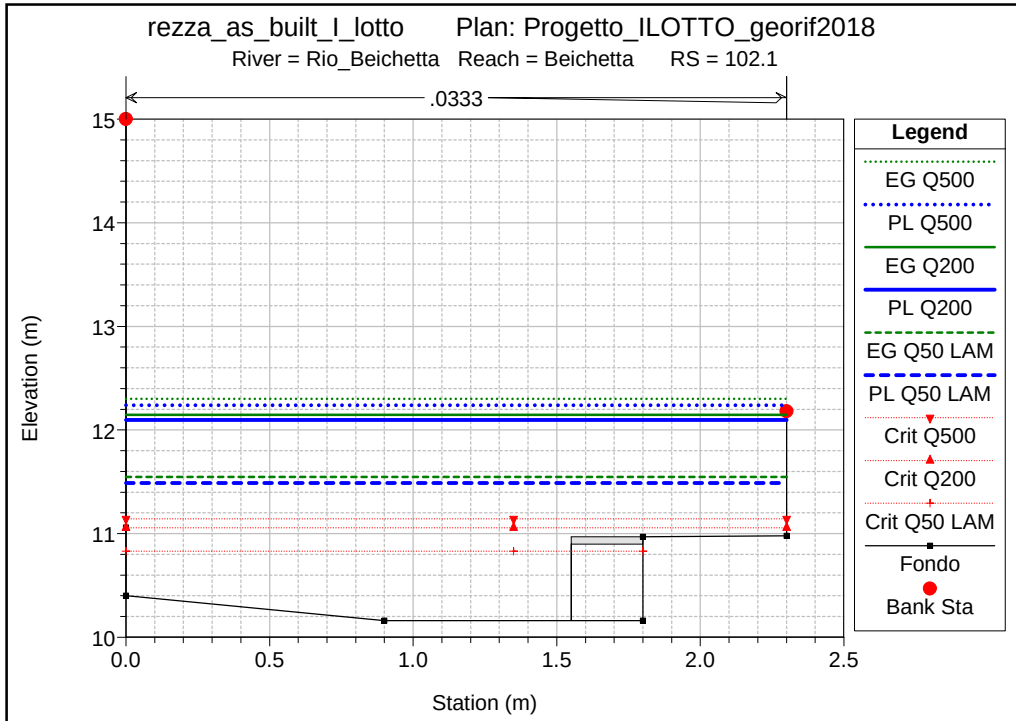
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
River = Rio_Beichetta Reach = Beichetta RS = 103
.0333
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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River = Rio_Beichetta Reach = Beichetta RS = 102.1
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Elevation (m)
Station (m)
Legend
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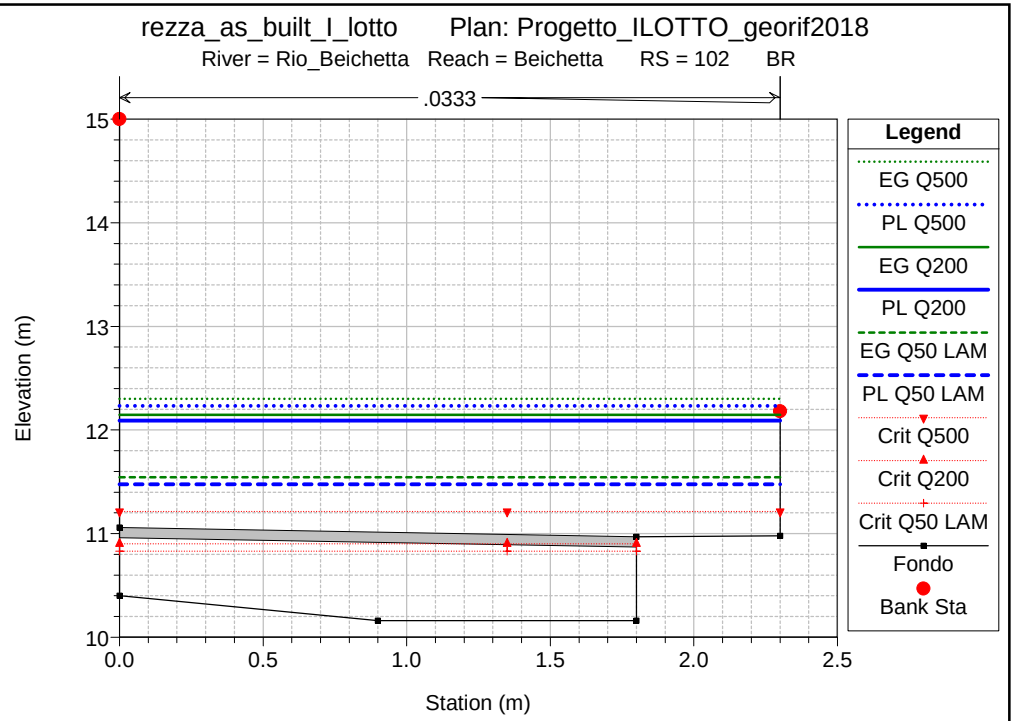
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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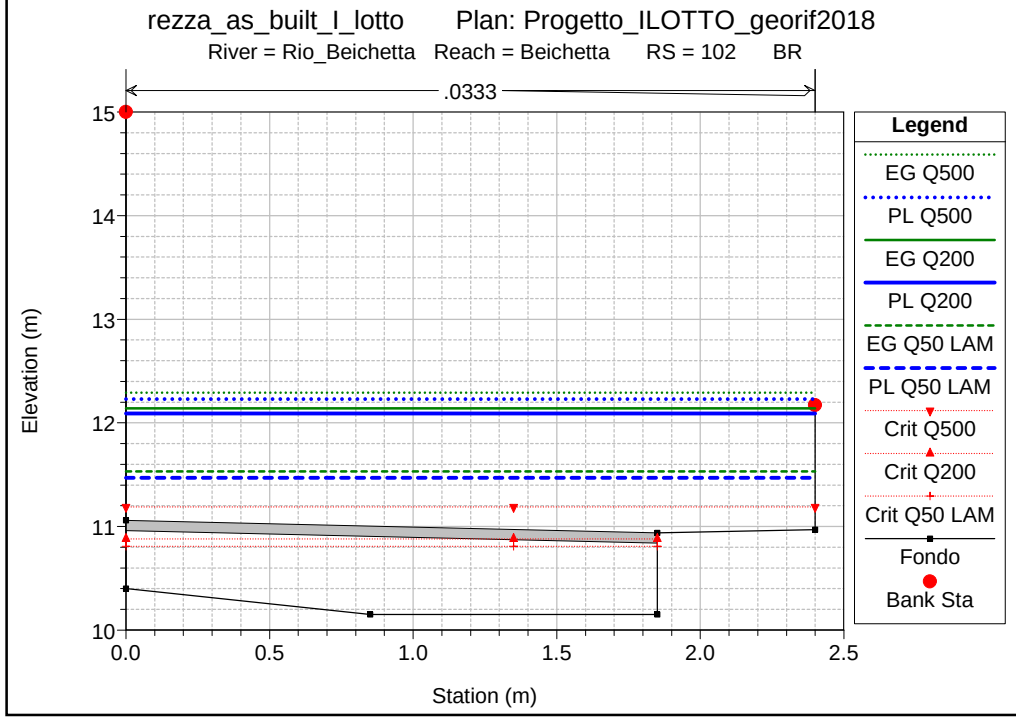
.0333
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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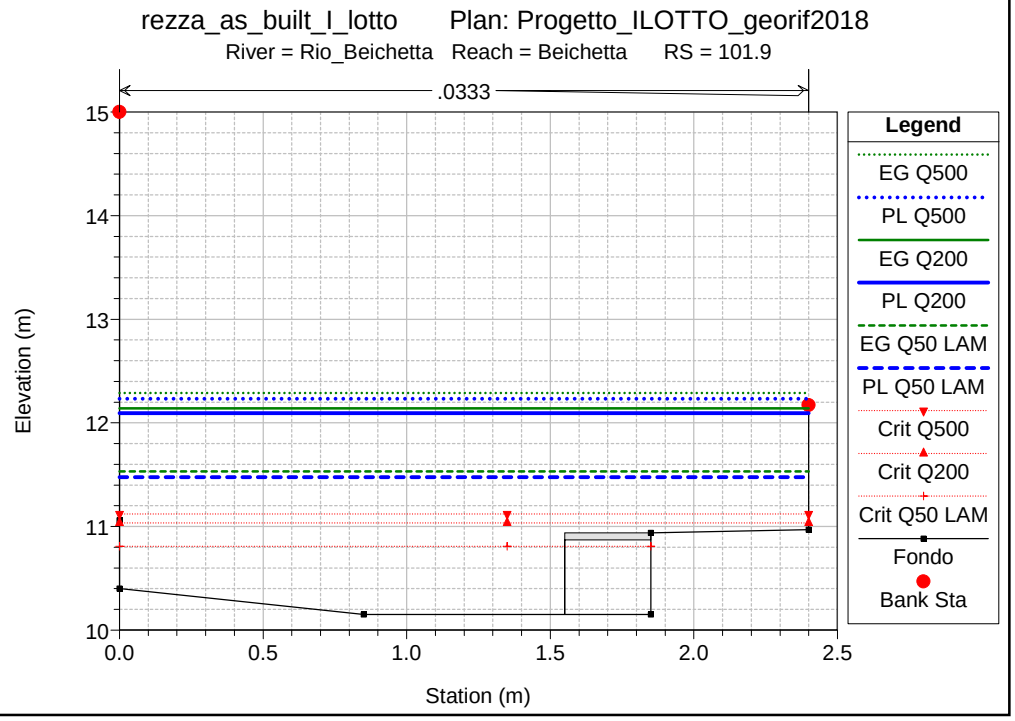
River = Rio_Beichetta Reach = Beichetta RS = 102 BR
.0333
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta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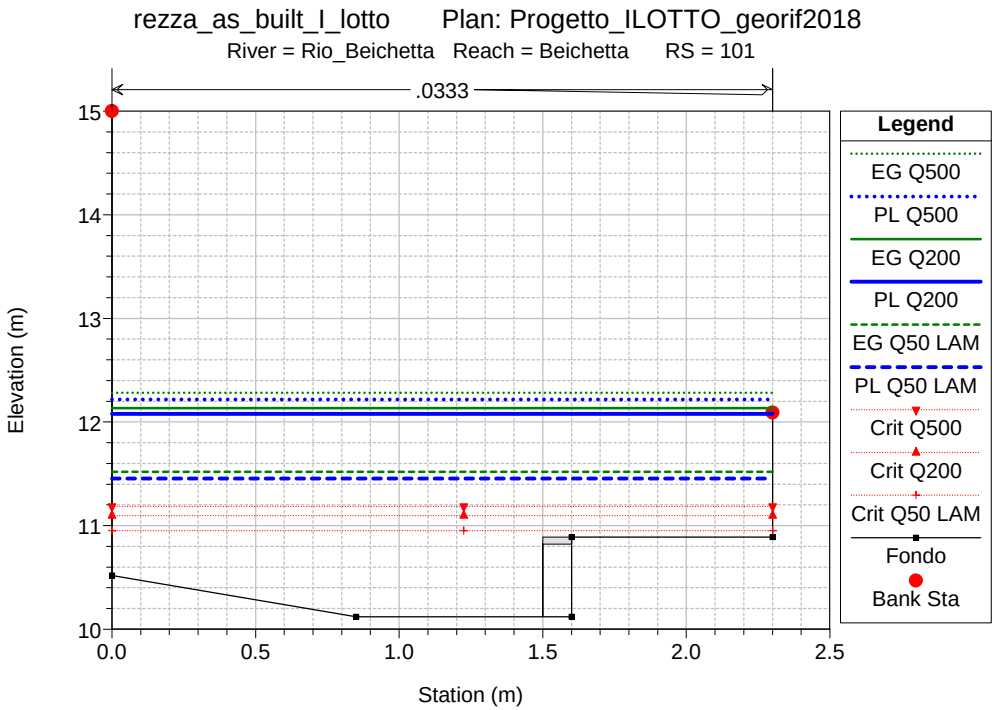
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta


rezza_as_built_I_lotto Plan: Progetto_ILOTTO_georif2018
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.0333
Elevation (m)
Station (m)
15
14
13
12
11
10
0.0
0.5
1.0
1.5
2.0
2.5
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50 LAM
PL Q50 LAM
Crit Q500
Crit Q200
Crit Q50 LAM
Fondo
Bank Sta

HEC-RAS Plan: 1_lotto_georif River: Rio_Beichetta Reach: Beichetta

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)	
Beichetta	111	Q50 LAM	2.70	10.85	11.92	10.85	-1.07	11.32	-0.60	11.58	12.02	0.009660	1.40	1.93	2.25	0.43
Beichetta	111	Q200	3.90	10.85	12.31	10.85	-1.46	11.32	-0.99	11.73	12.41	0.006816	1.39	2.81	2.25	0.37
Beichetta	111	Q500	4.70	10.85	12.47	10.85	-1.62	11.32	-1.15	11.82	12.58	0.007018	1.48	3.18	2.25	0.37
Beichetta	110	Q50 LAM	2.70	10.76	11.90	10.76	-1.14	11.29	-0.61	11.51	11.99	0.008560	1.34	2.01	2.15	0.40
Beichetta	110	Q200	3.90	10.76	12.29	10.76	-1.53	11.29	-1.00	11.66	12.39	0.006535	1.37	2.85	2.15	0.35
Beichetta	110	Q500	4.70	10.76	12.45	10.76	-1.69	11.29	-1.16	11.75	12.56	0.006899	1.47	3.20	2.15	0.36
Beichetta	109.1	Q50 LAM	2.70	10.72	11.88	10.72	-1.16	11.28	-0.60	11.50	11.98	0.008711	1.37	1.97	2.10	0.40
Beichetta	109.1	Q200	3.90	10.72	12.28	10.72	-1.56	11.28	-1.00	11.65	12.38	0.006679	1.39	2.81	2.10	0.36
Beichetta	109.1	Q500	4.70	10.72	12.44	10.72	-1.72	11.28	-1.16	11.74	12.55	0.007102	1.50	3.14	2.10	0.36
Beichetta	109		Bridge													
Beichetta	108.9	Q50 LAM	2.70	10.70	11.83	10.70	-1.13	11.27	-0.56	11.49	11.94	0.010643	1.46	1.85	2.05	0.44
Beichetta	108.9	Q200	3.90	10.70	12.24	10.70	-1.54	11.27	-0.97	11.64	12.35	0.007510	1.44	2.70	2.05	0.37
Beichetta	108.9	Q500	4.70	10.70	12.40	10.70	-1.70	11.27	-1.13	11.74	12.52	0.007985	1.56	3.02	2.05	0.38
Beichetta	108	Q50 LAM	2.70	10.68	11.80	10.68	-1.12	11.24	-0.56	11.47	11.91	0.011191	1.49	1.82	2.05	0.45
Beichetta	108	Q200	3.90	10.68	12.23	10.68	-1.55	11.24	-0.99	11.63	12.33	0.007588	1.45	2.69	2.05	0.37
Beichetta	108	Q500	4.70	10.68	12.38	10.68	-1.70	11.24	-1.14	11.73	12.51	0.008076	1.56	3.01	2.05	0.38
Beichetta	107	Q50 LAM	2.70	10.65	11.72	10.65	-1.07	11.18	-0.54	11.44	11.85	0.013837	1.61	1.67	1.95	0.50
Beichetta	107	Q200	3.90	10.65	12.17	10.65	-1.52	11.18	-0.99	11.60	12.29	0.008535	1.52	2.57	1.95	0.39
Beichetta	107	Q500	4.70	10.65	12.32	10.65	-1.67	11.18	-1.14	11.70	12.46	0.009212	1.64	2.86	1.95	0.41
Beichetta	106.1	Q50 LAM	2.70	10.64	11.69	10.64	-1.05	11.17	-0.52	11.43	11.83	0.014455	1.64	1.65	1.95	0.51
Beichetta	106.1	Q200	3.90	10.64	12.16	10.64	-1.52	11.17	-0.99	11.59	12.28	0.008564	1.52	2.56	1.95	0.39
Beichetta	106.1	Q500	4.70	10.64	12.31	10.64	-1.67	11.17	-1.14	11.69	12.45	0.009259	1.65	2.85	1.95	0.41
Beichetta	106		Bridge													
Beichetta	105.90	Q50 LAM	2.70	10.55	11.55	10.55	-1.00	11.18	-0.37	11.41	11.75	0.025685	1.95	1.39	1.85	0.62
Beichetta	105.90	Q200	3.90	10.55	12.12	10.55	-1.57	11.18	-0.94	11.57	12.25	0.010639	1.60	2.43	1.85	0.41
Beichetta	105.90	Q500	4.70	10.55	12.26	10.55	-1.71	11.18	-1.08	11.67	12.42	0.011608	1.74	2.70	1.85	0.43
Beichetta	105	Q50 LAM	2.70	10.50	11.54	10.50	-1.04	11.15	-0.39	11.34	11.71	0.021819	1.84	1.47	1.85	0.58
Beichetta	105	Q200	3.90	10.50	12.11	10.50	-1.61	11.15	-0.96	11.51	12.23	0.009532	1.54	2.53	1.85	0.39
Beichetta	105	Q500	4.70	10.50	12.25	10.50	-1.75	11.15	-1.10	11.61	12.40	0.010543	1.68	2.79	1.85	0.41
Beichetta	104	Q50 LAM	2.70	10.36	11.51	10.36	-1.15	11.09	-0.42	11.21	11.64	0.014609	1.57	1.72	1.95	0.47
Beichetta	104	Q200	3.90	10.36	12.11	10.36	-1.75	11.09	-1.02	11.37	12.20	0.006965	1.36	2.87	1.95	0.33
Beichetta	104	Q500	4.70	10.36	12.25	10.36	-1.89	11.09	-1.16	11.47	12.36	0.007851	1.49	3.15	1.95	0.35
Beichetta	103	Q50 LAM	2.70	10.21	11.49	10.21	-1.28	10.93	-0.56	10.88	11.56	0.005523	1.13	2.38	2.25	0.32
Beichetta	103	Q200	3.90	10.21	12.10	10.21	-1.89	10.93	-1.17	11.11	12.15	0.003186	1.04	3.75	2.25	0.24
Beichetta	103	Q500	4.70	10.21	12.24	10.21	-2.03	10.93	-1.31	11.20	12.31	0.003703	1.16	4.07	2.25	0.26
Beichetta	102.1	Q50 LAM	2.70	10.16	11.49	10.16	-1.33	10.90	-0.59	10.83	11.55	0.004707	1.07	2.52	2.30	0.30
Beichetta	102.1	Q200	3.90	10.16	12.10	10.16	-1.94	10.90	-1.20	11.06	12.15	0.002810	0.99	3.92	2.30	0.23

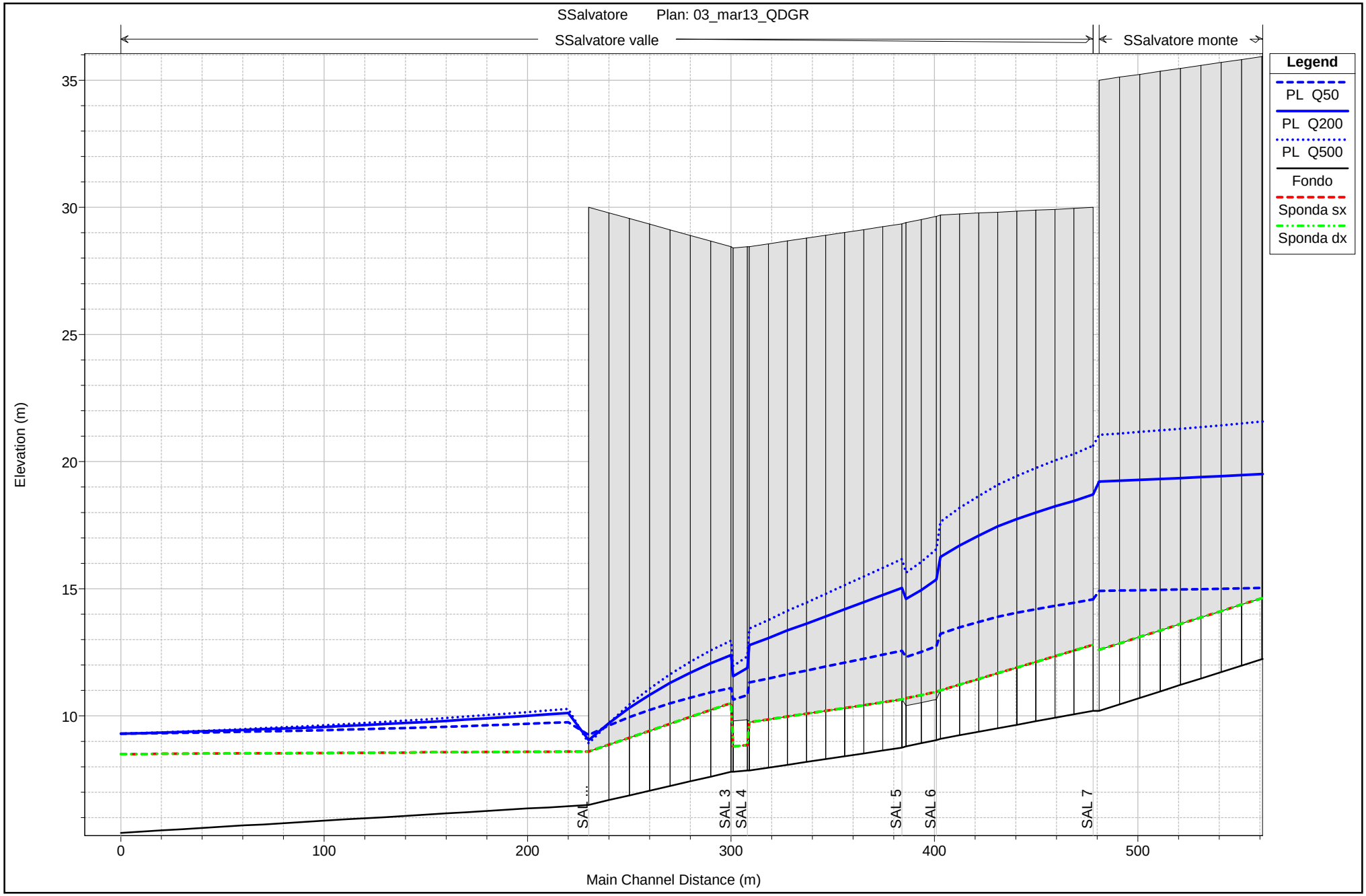
HEC-RAS Plan: 1_lotto_georif River: Rio_Beichetta Reach: Beichetta (Continued)

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)	
Beichetta	102.1	Q500	4.70	10.16	12.24	10.16	-2.08	10.90	-1.34	11.14	12.30	0.003283	1.11	4.25	2.30	0.25
Beichetta	102		Bridge													
Beichetta	101.9	Q50 LAM	2.70	10.15	11.48	10.15	-1.33	10.87	-0.61	10.81	11.53	0.004292	1.03	2.61	2.40	0.29
Beichetta	101.9	Q200	3.90	10.15	12.09	10.15	-1.94	10.87	-1.22	11.03	12.14	0.002501	0.95	4.09	2.40	0.22
Beichetta	101.9	Q500	4.70	10.15	12.23	10.15	-2.08	10.87	-1.36	11.12	12.29	0.002921	1.06	4.43	2.40	0.23
Beichetta	101	Q50 LAM	2.70	10.12	11.45	10.12	-1.33	10.82	-0.63	10.95	11.52	0.005406	1.15	2.35	2.30	0.32
Beichetta	101	Q200	3.90	10.12	12.08	10.12	-1.96	10.82	-1.26	11.10	12.13	0.002925	1.03	3.79	2.30	0.23
Beichetta	101	Q500	4.70	10.12	12.22	10.12	-2.10	10.82	-1.40	11.18	12.28	0.003413	1.14	4.11	2.30	0.25

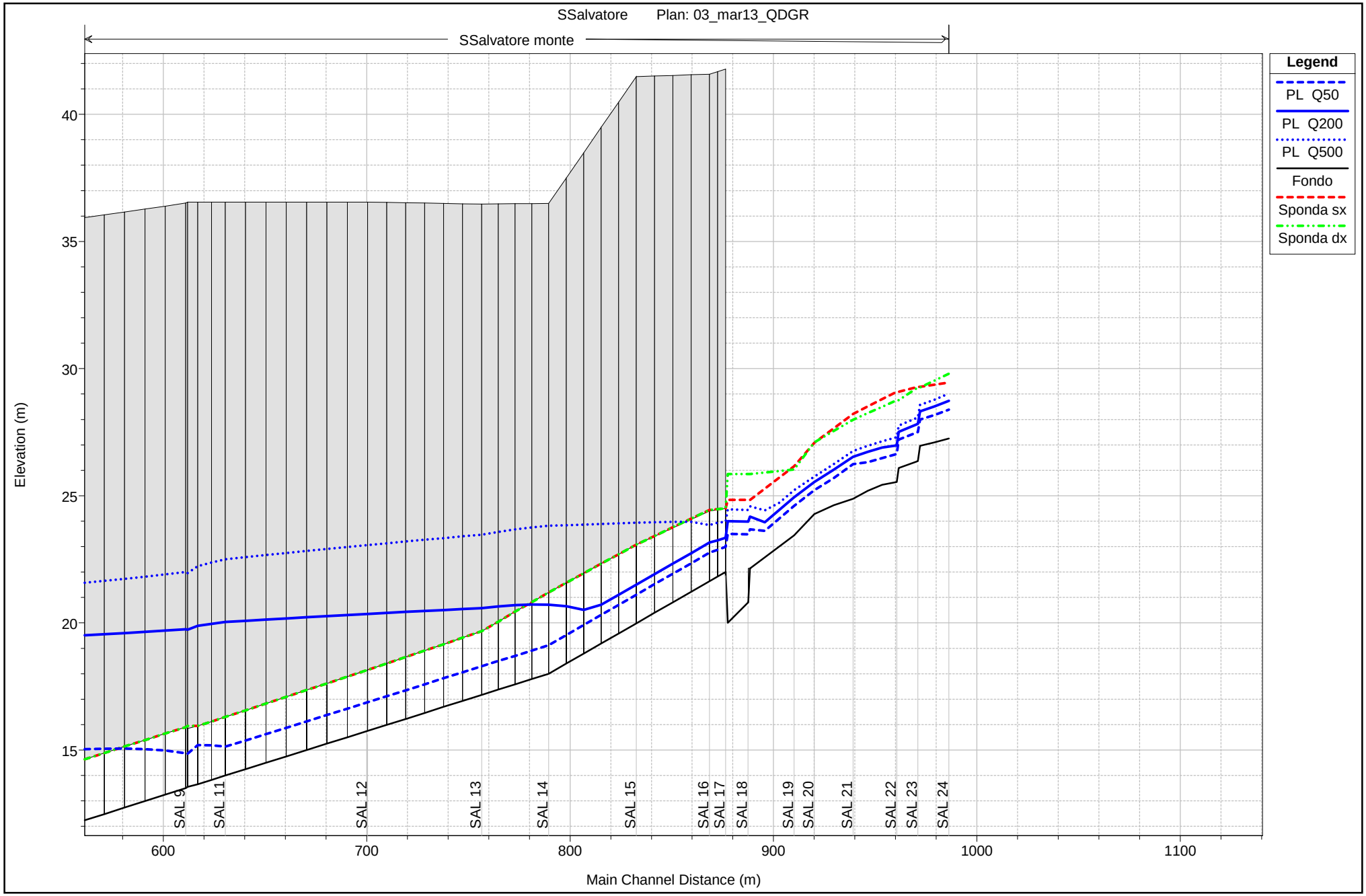
FOSSO SAN SALVATORE

DALLA SEZIONE SAL24 ALLA SAL1

- PROFILI DI CORRENTE
- SEZIONI IDRAULICHE
- TABELLE DEI RISULTATI

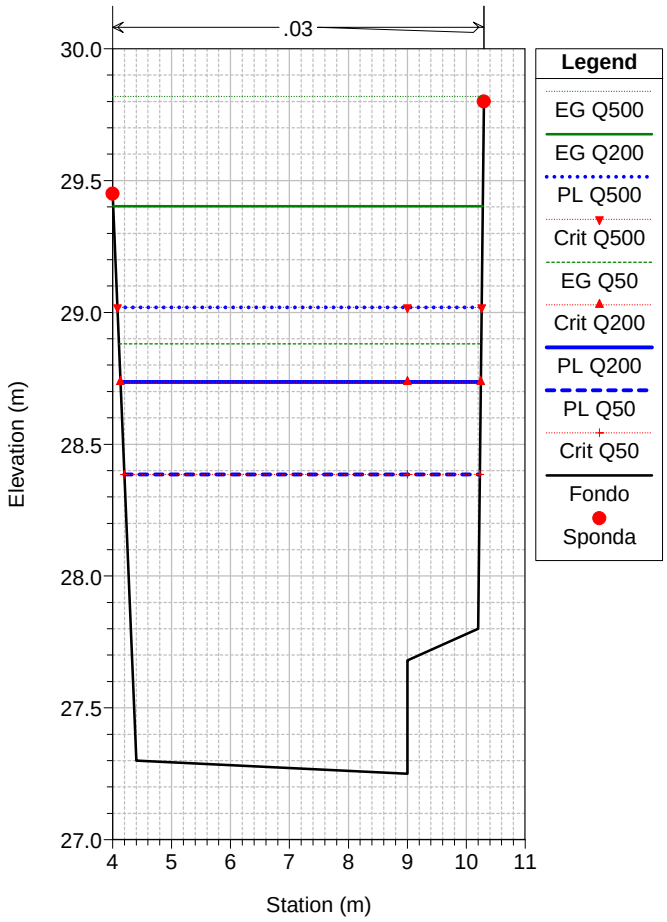


1 cm Horiz. = 25 m 1 cm Vert. = 2 m

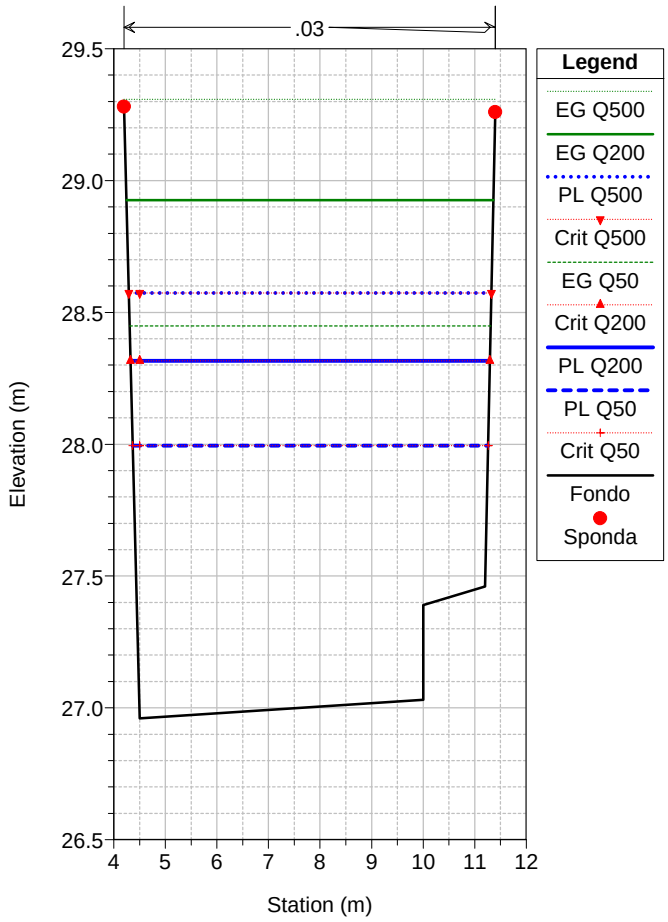


1 cm Horiz. = 25 m 1 cm Vert. = 2 m

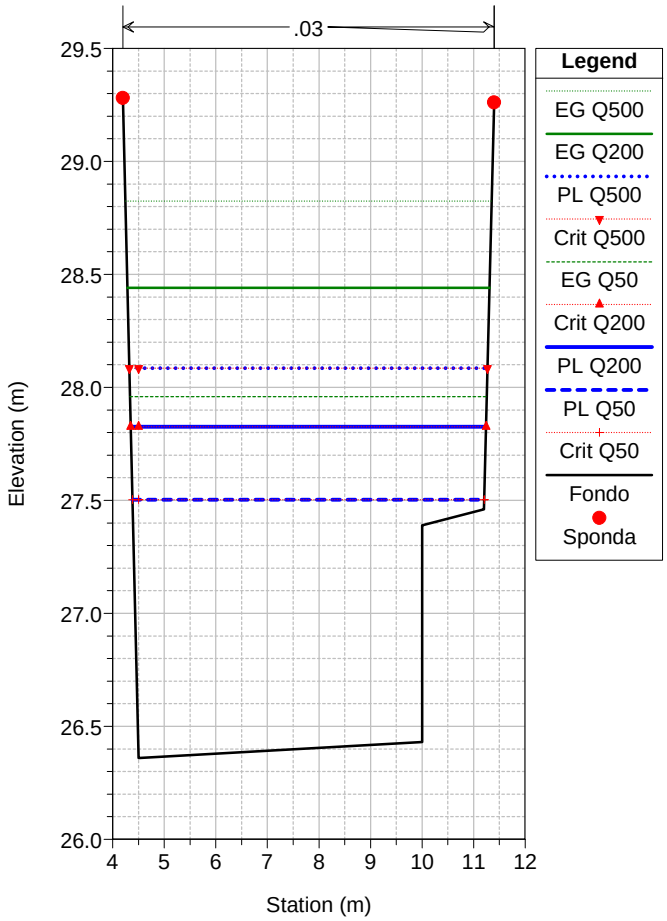
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 24



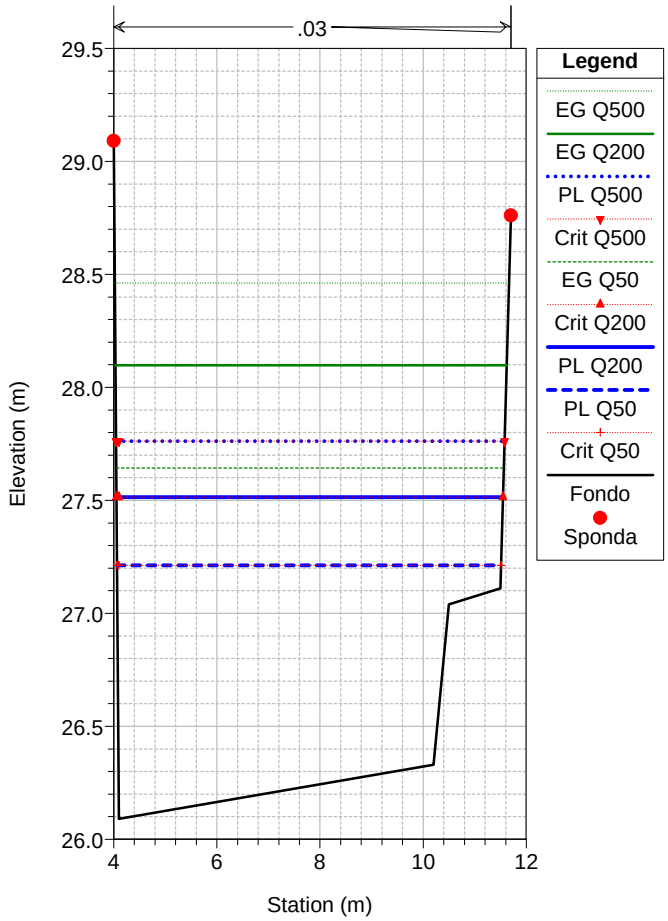
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 23



SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 23

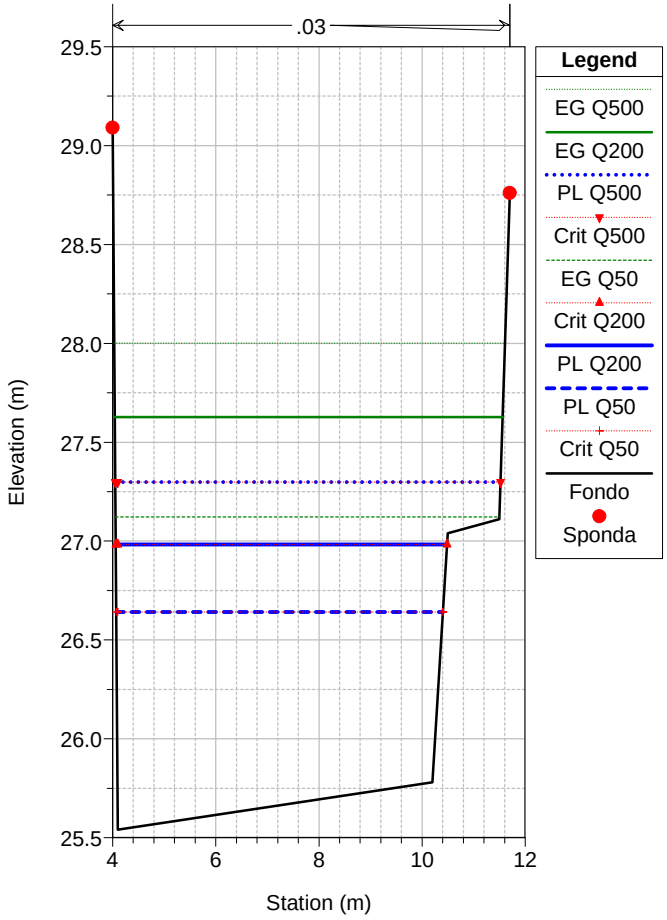


SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 22



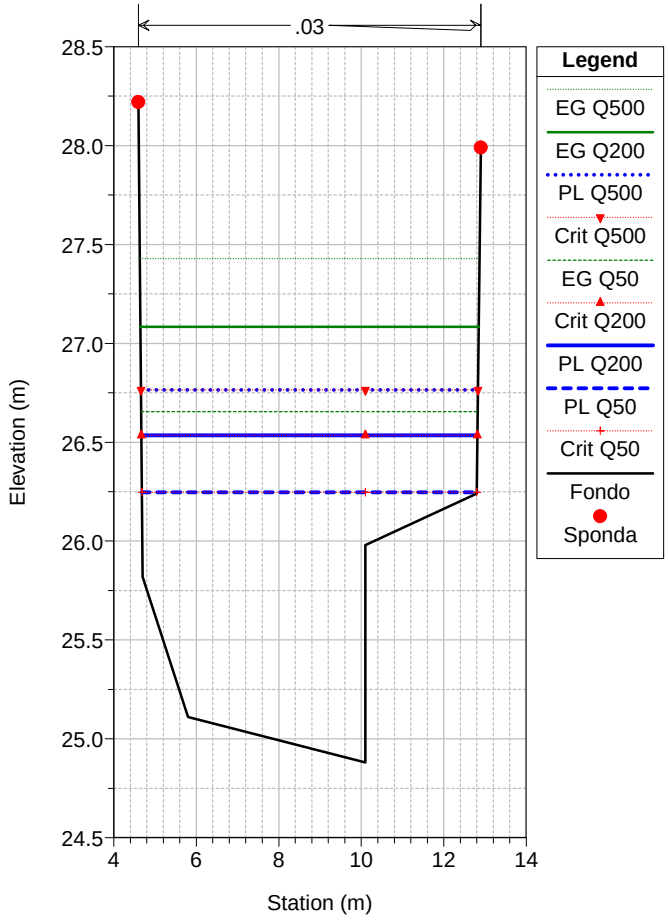
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = monte SAL 22



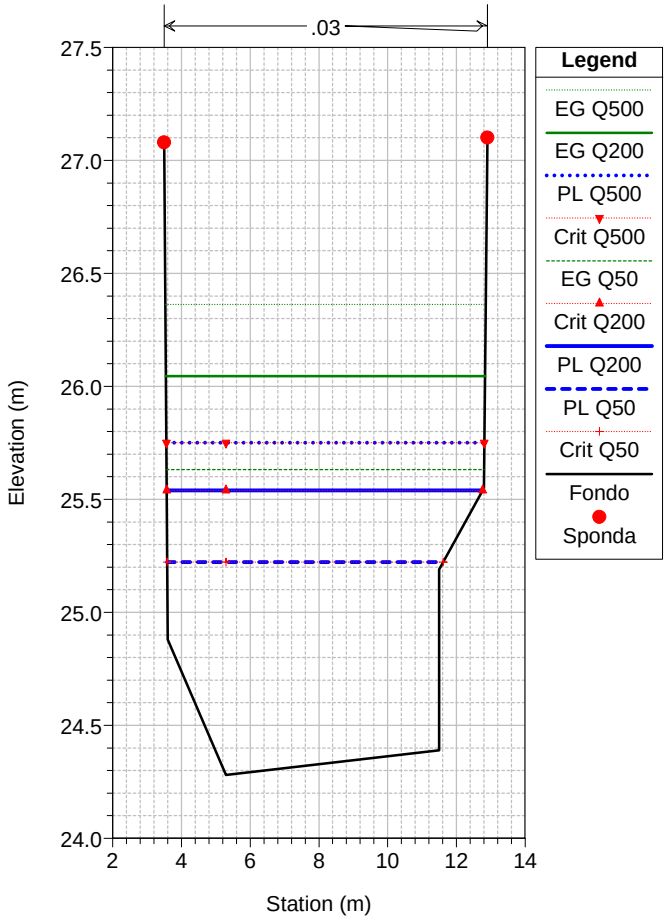
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = monte SAL 21



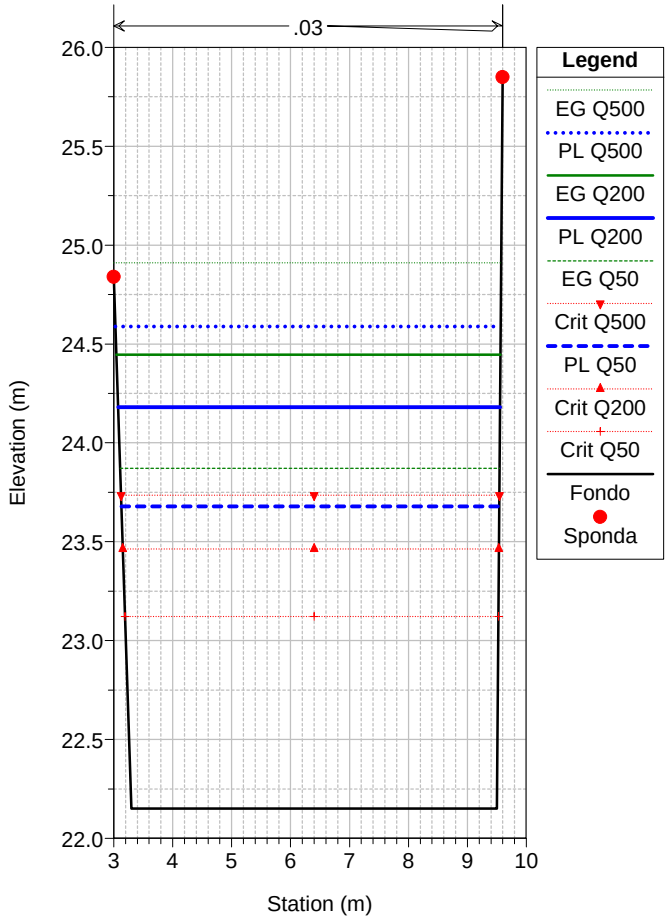
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = monte SAL 20

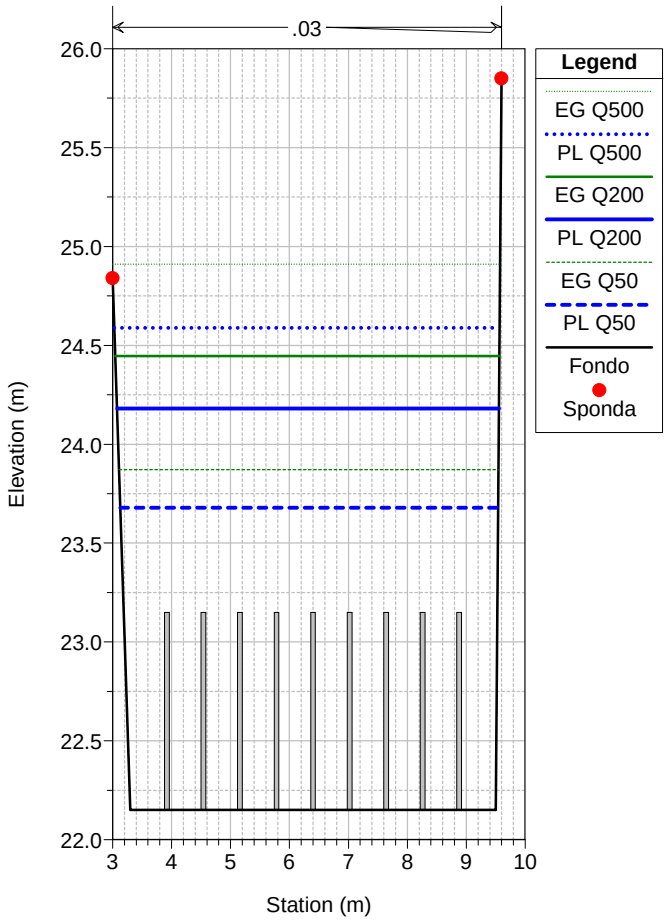


SSalvatore Plan: 03_mar13_QDGR

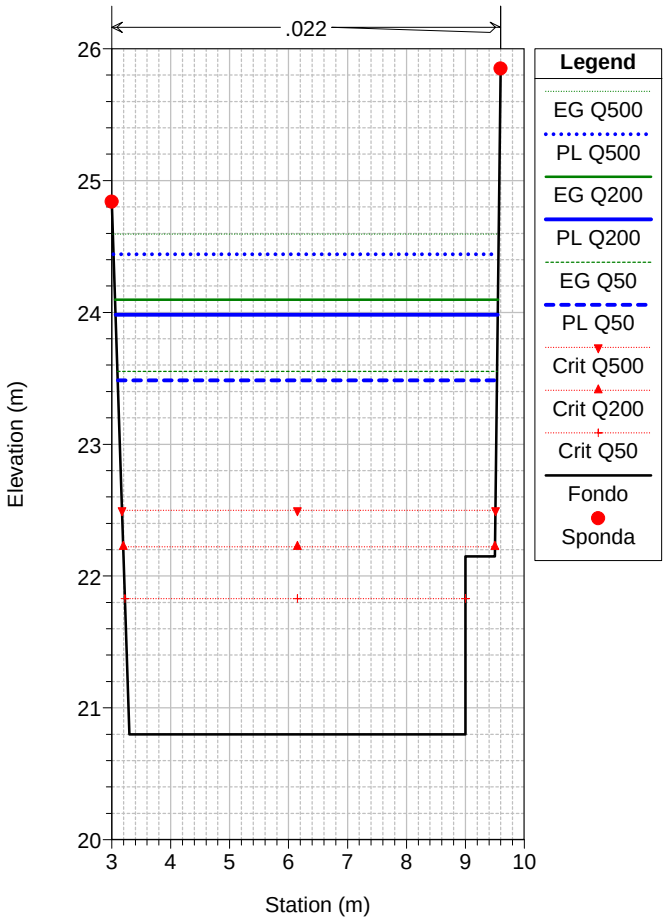
River = SSalvatore Reach = monte SAL 18



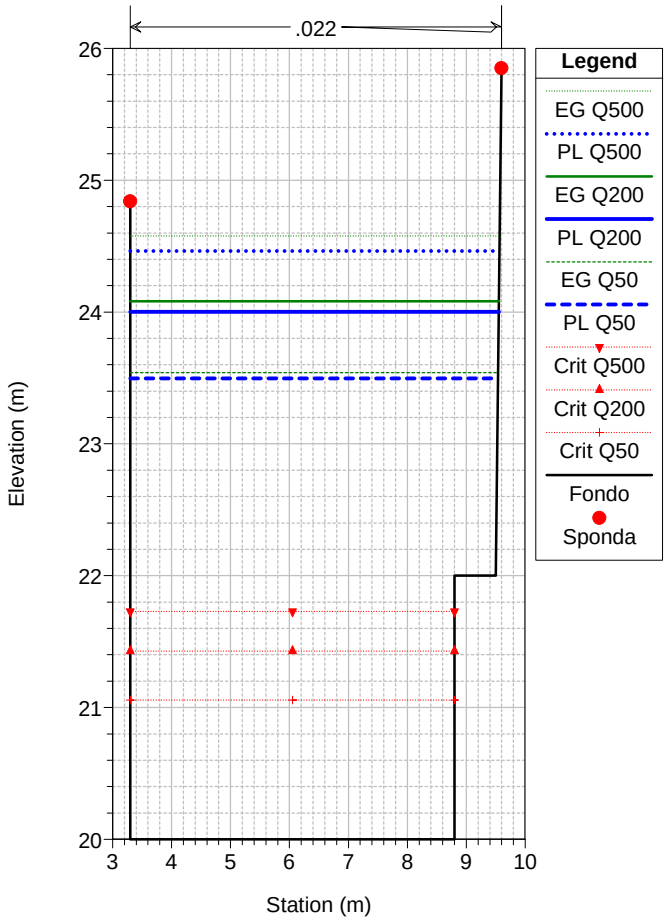
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte Briglia selettiv



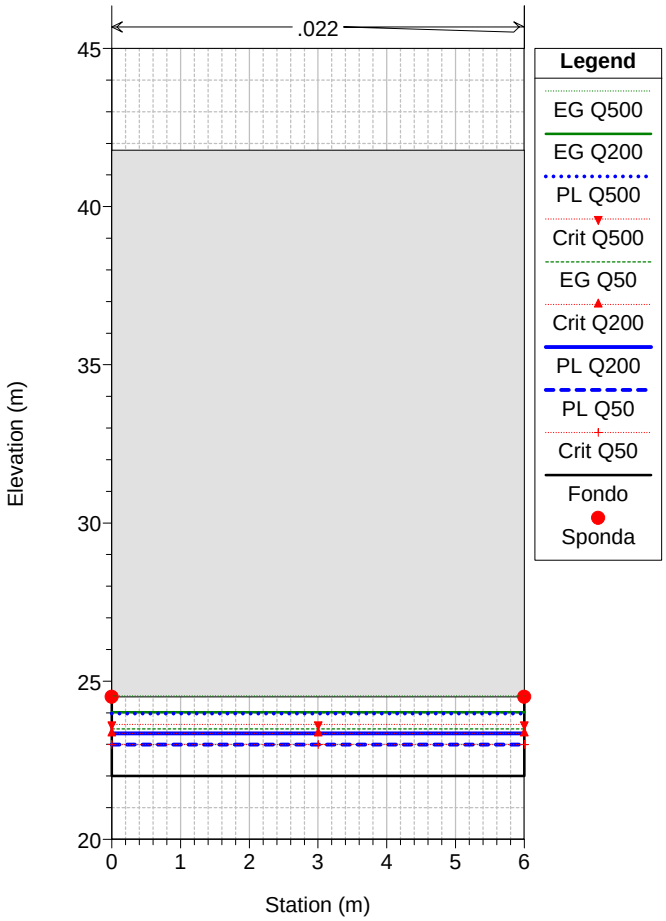
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 18



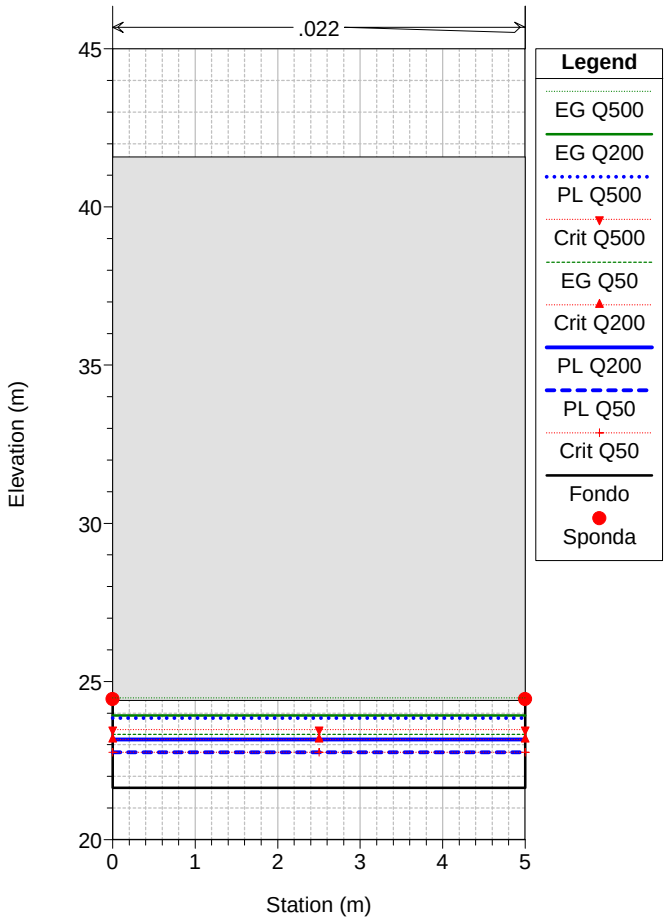
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 17



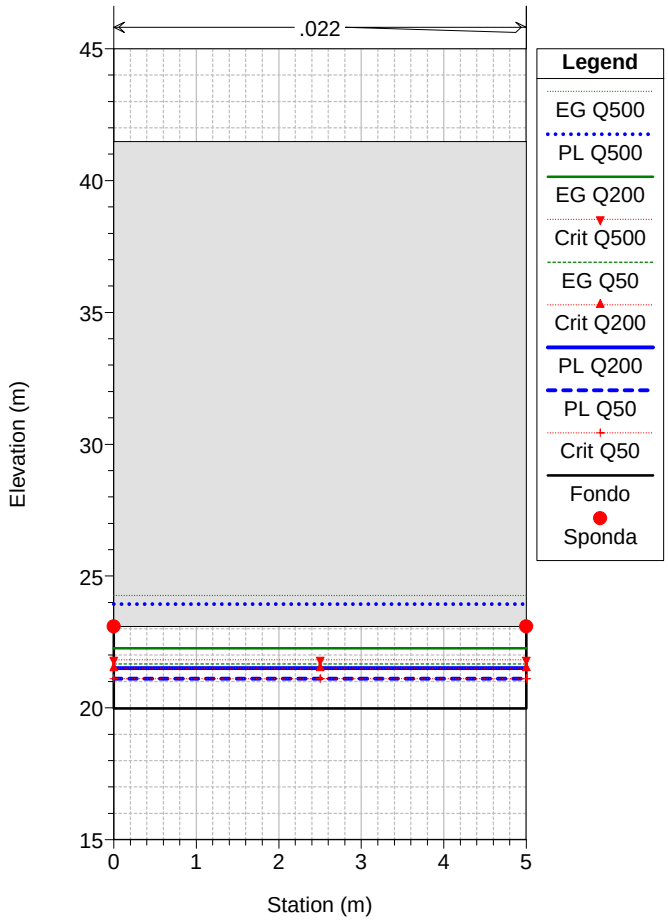
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 17



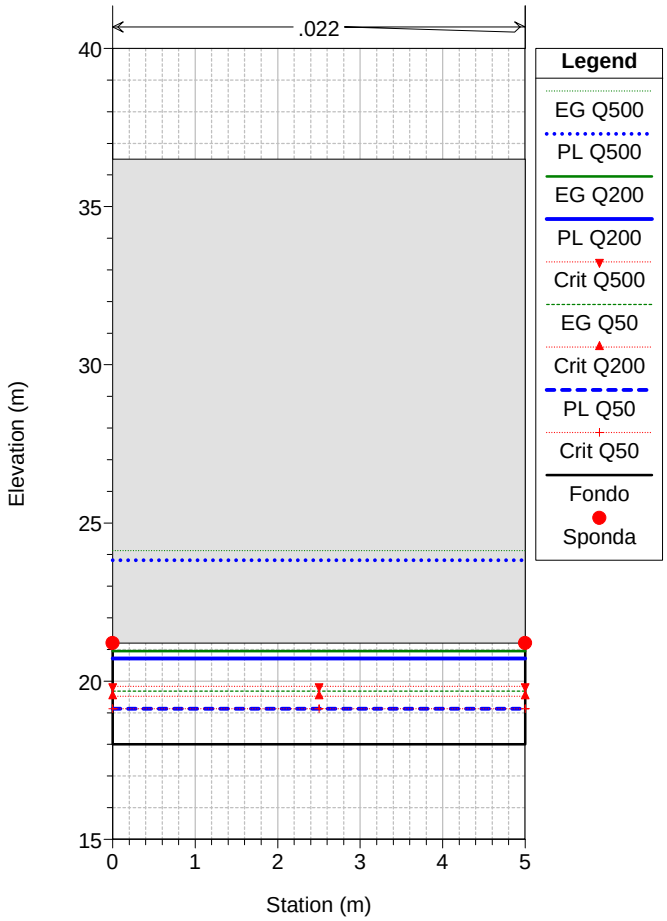
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 16



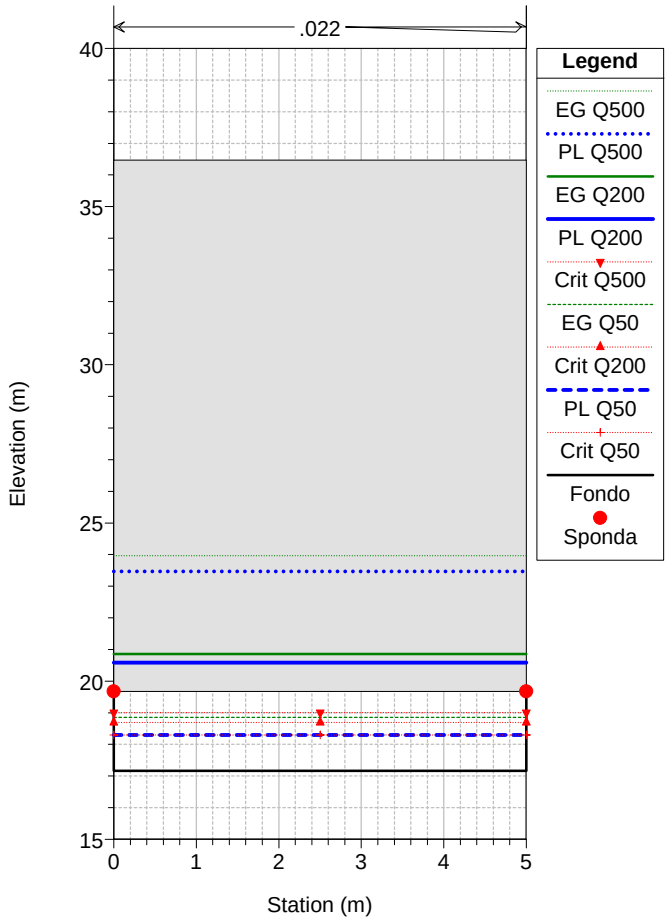
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 15



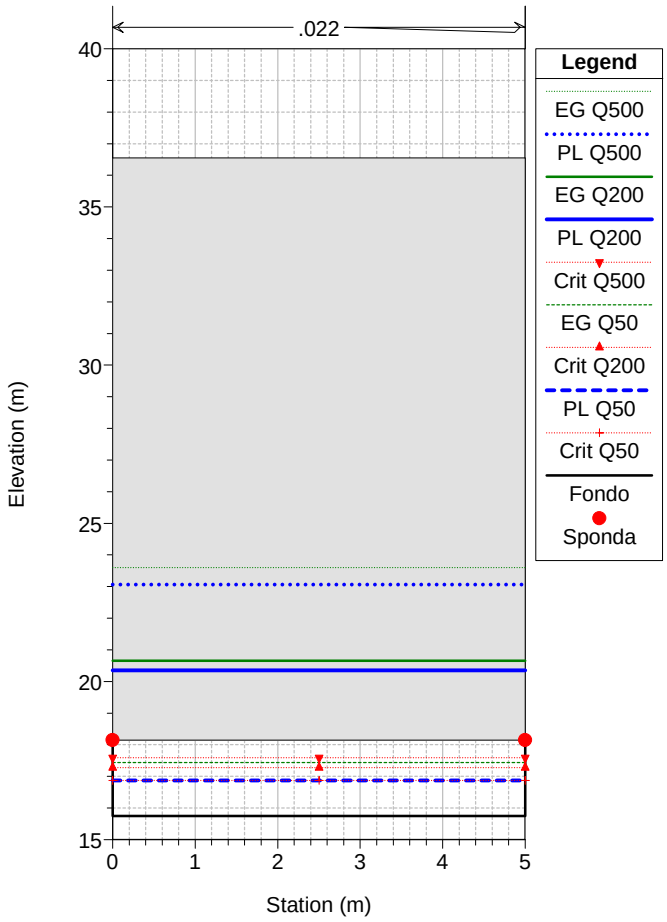
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 14



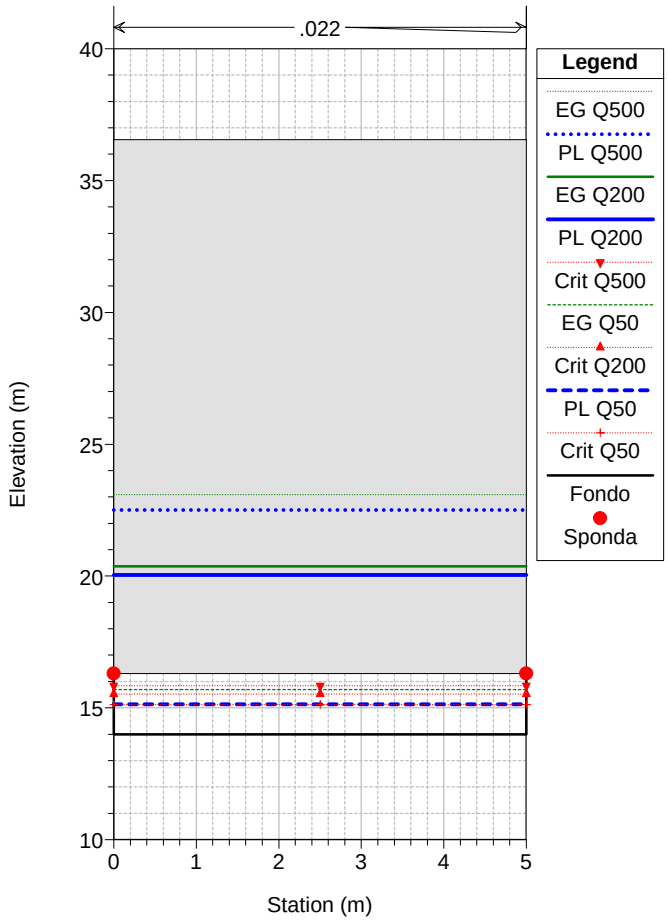
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 13



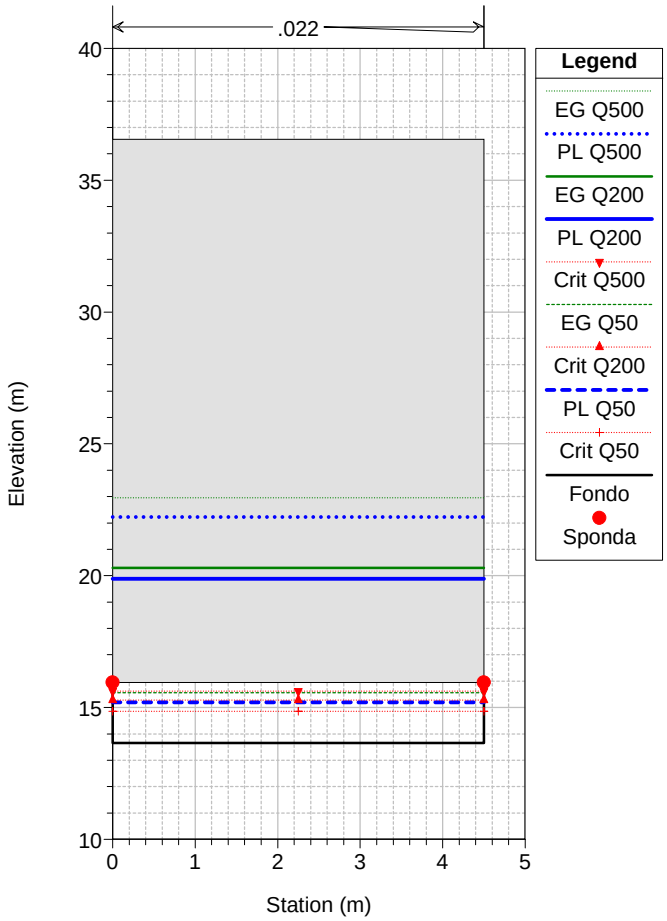
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 12



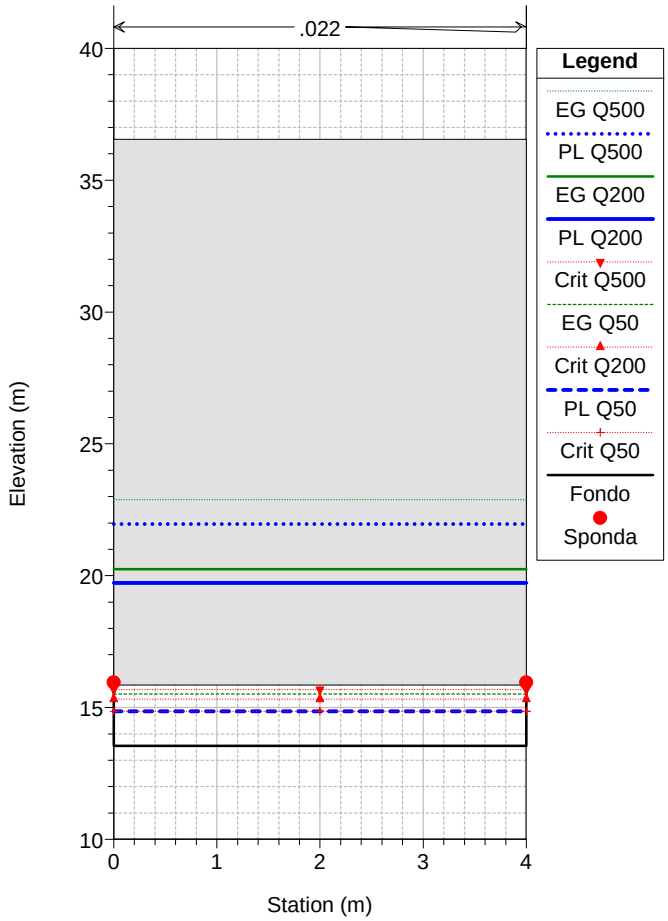
SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 11



SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 10

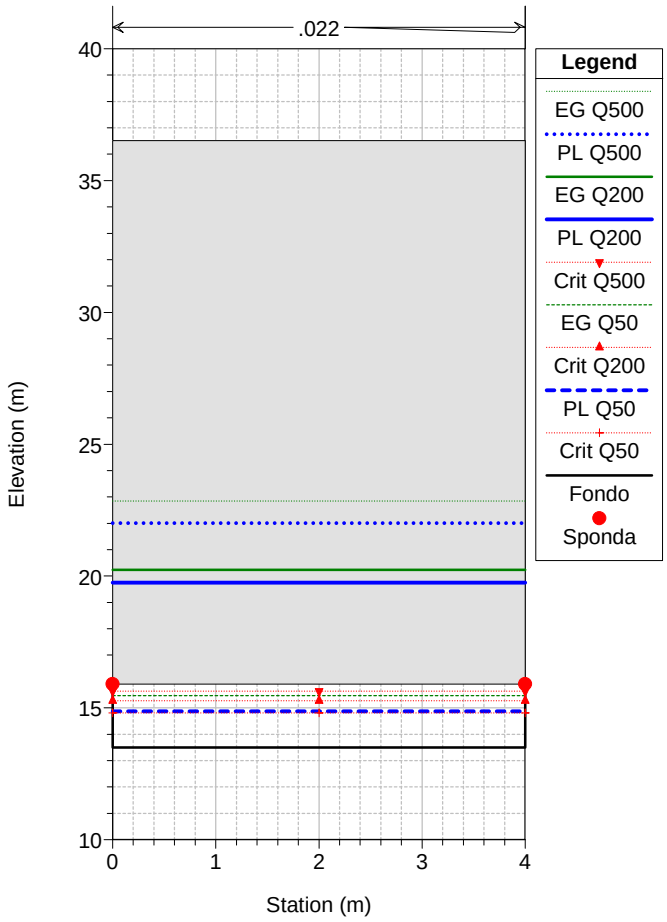


SSalvatore Plan: 03_mar13_QDGR
River = SSalvatore Reach = monte SAL 9



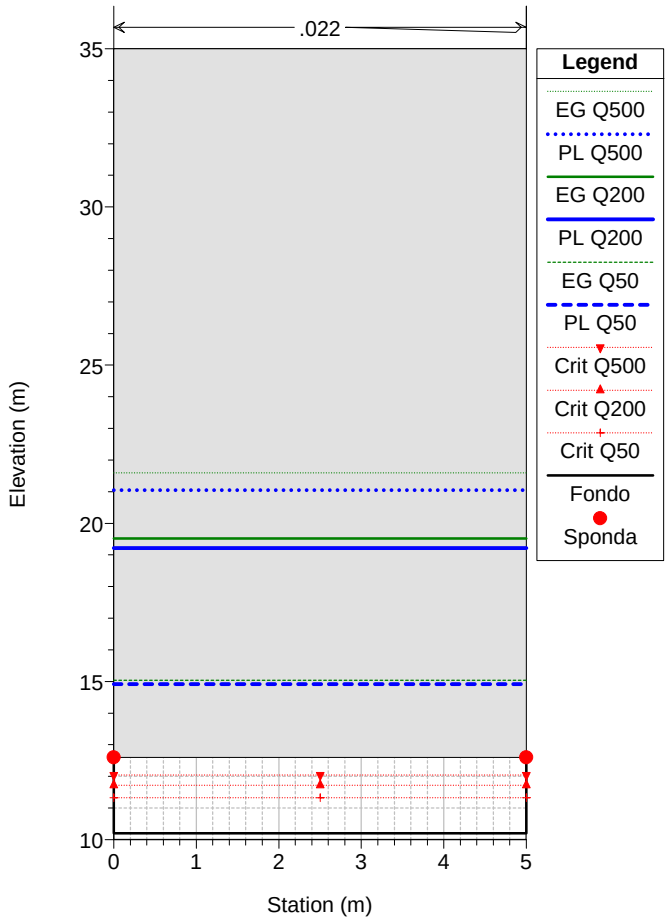
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = monte SAL 9



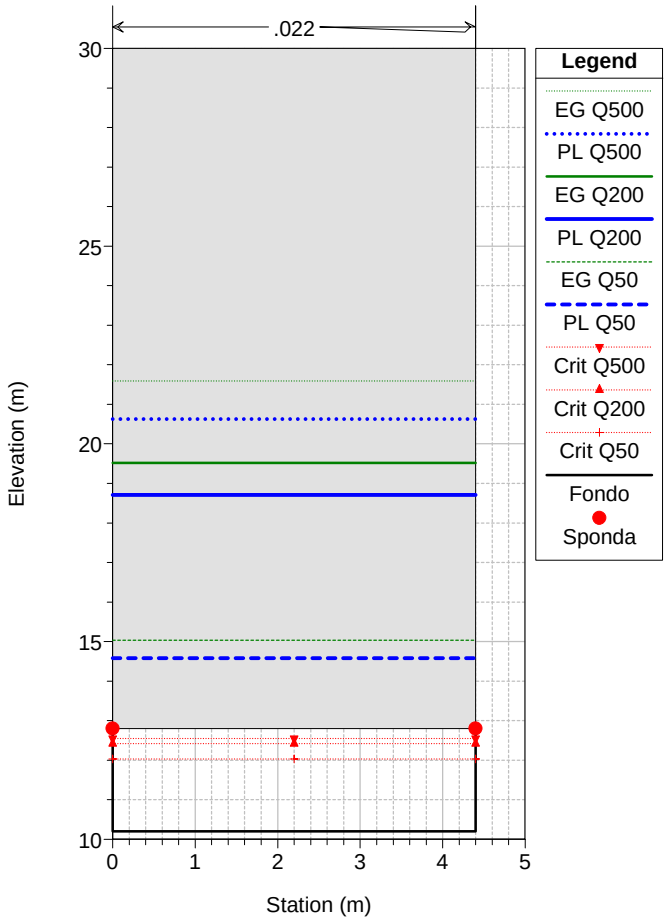
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = monte SAL 8



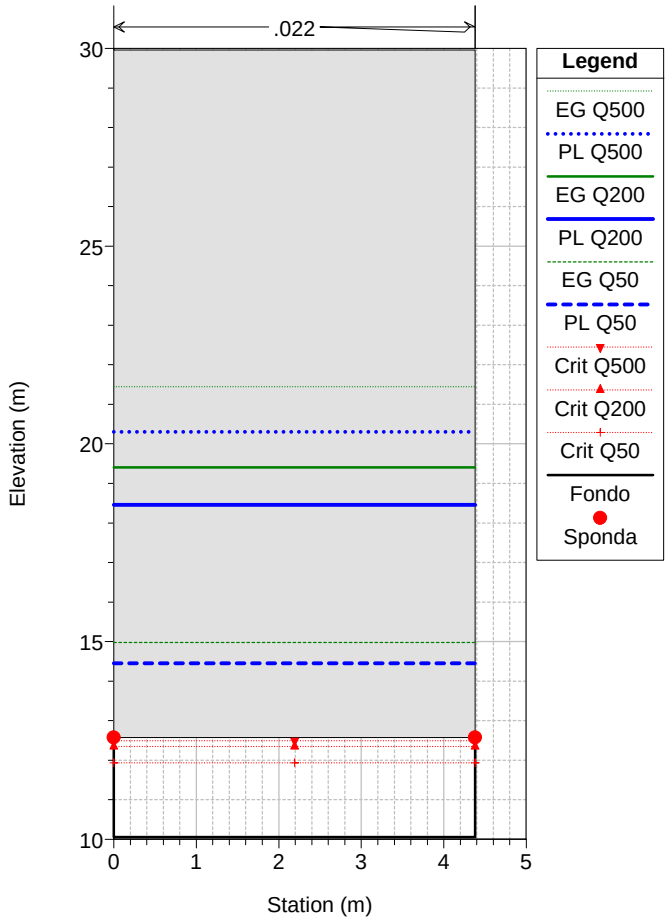
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 7



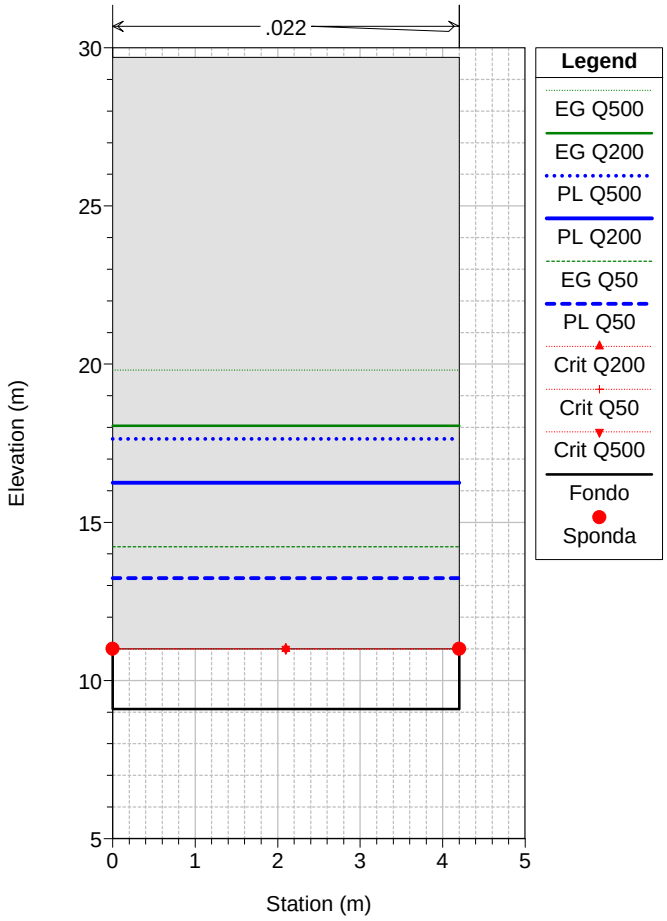
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle



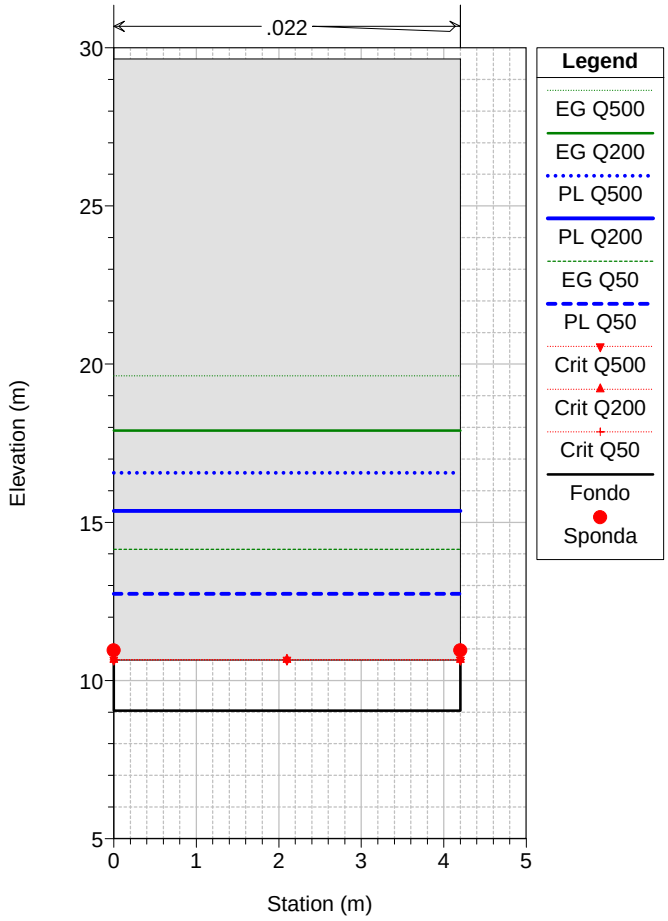
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 6



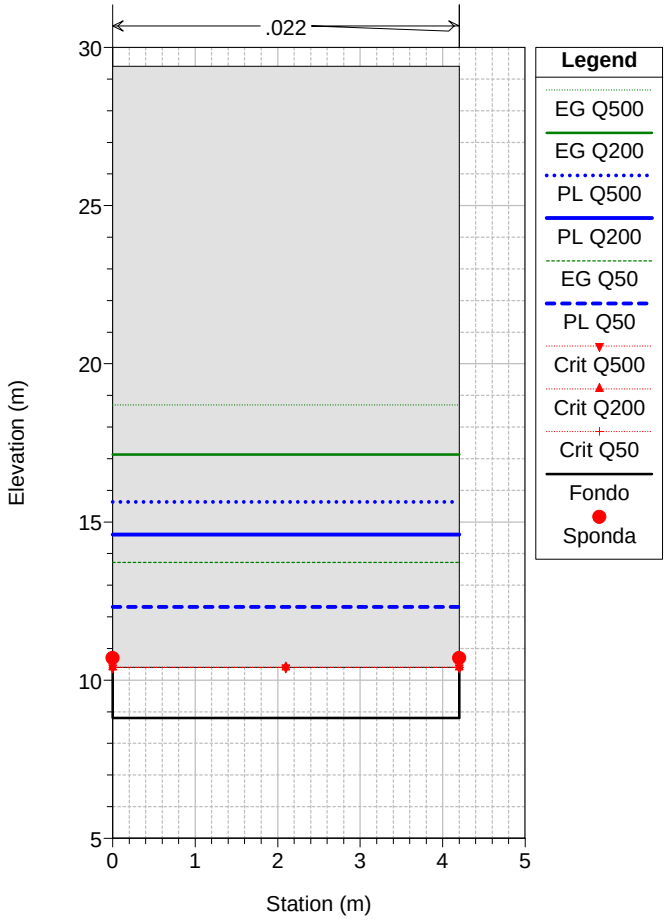
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 6



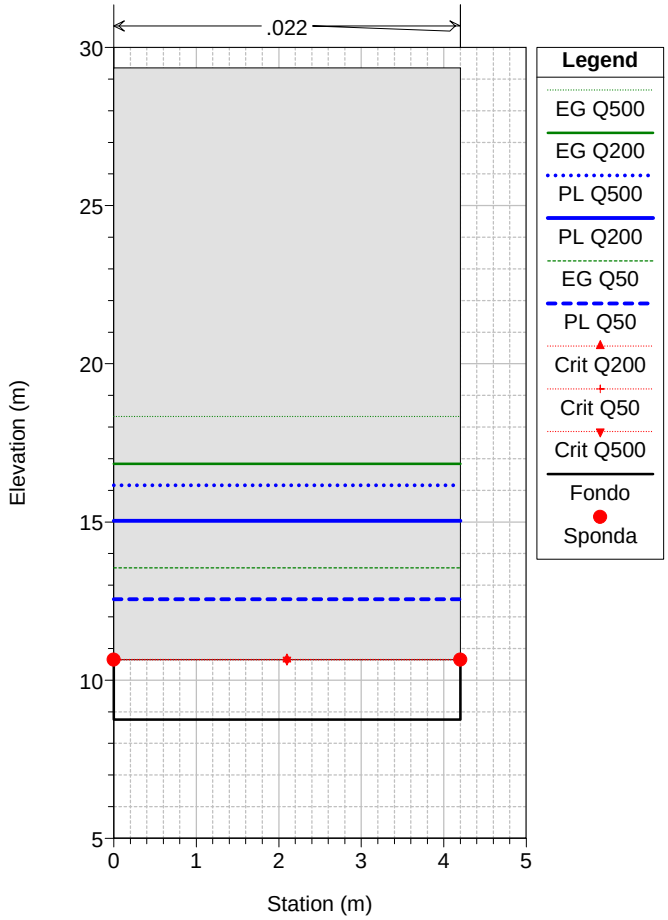
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 5



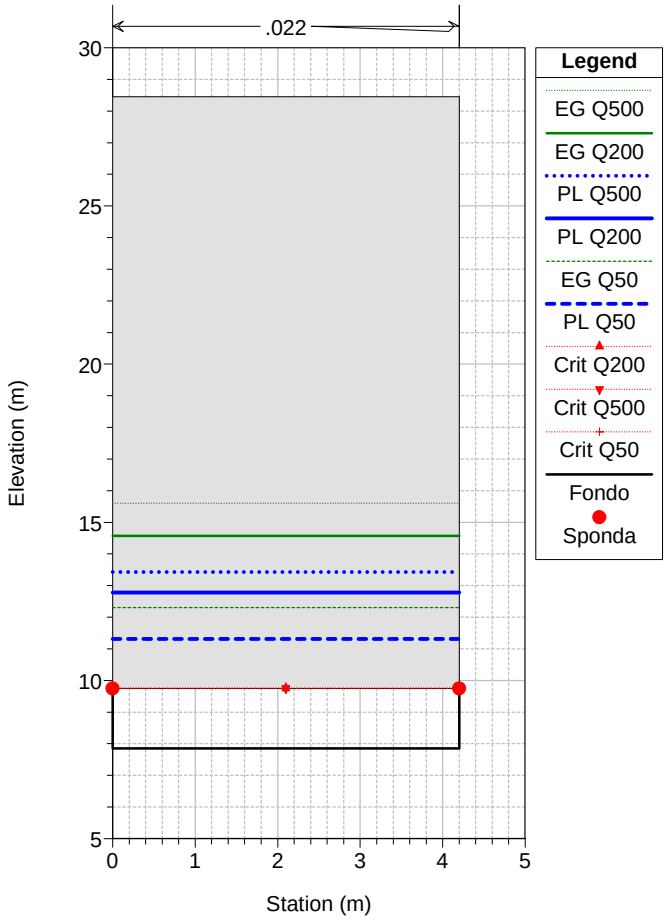
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 5



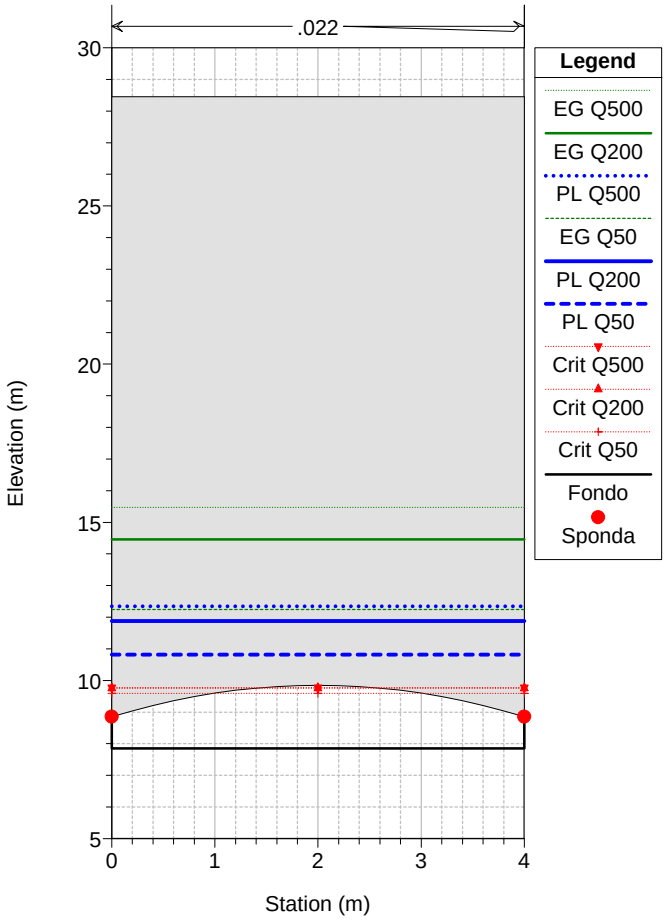
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 4



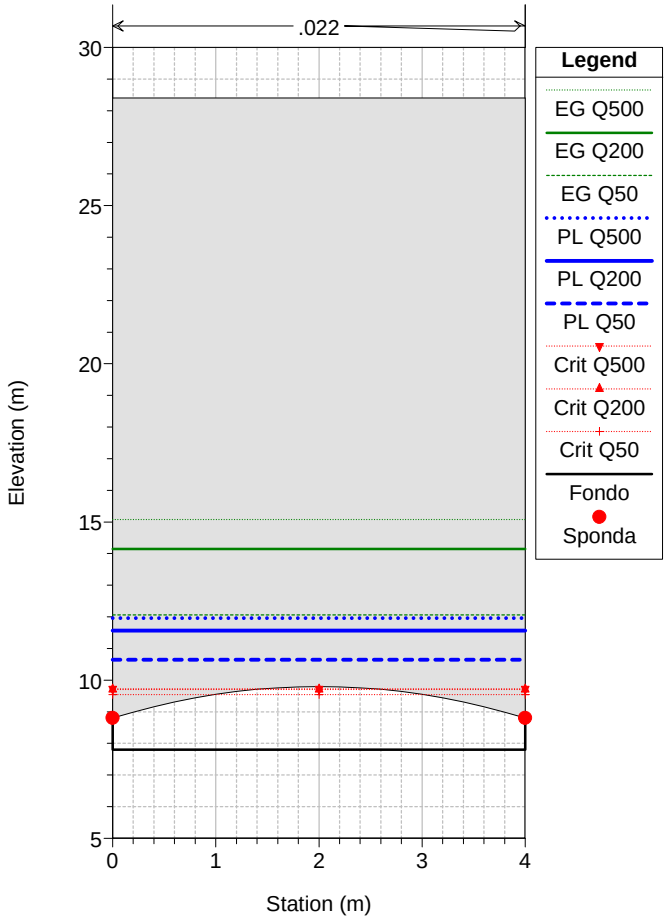
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 4



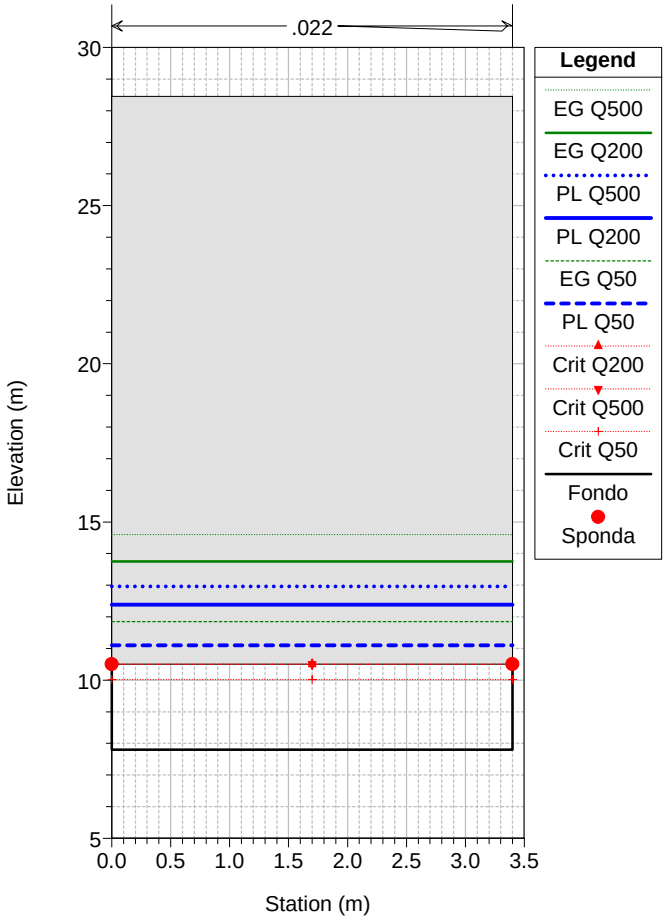
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 3



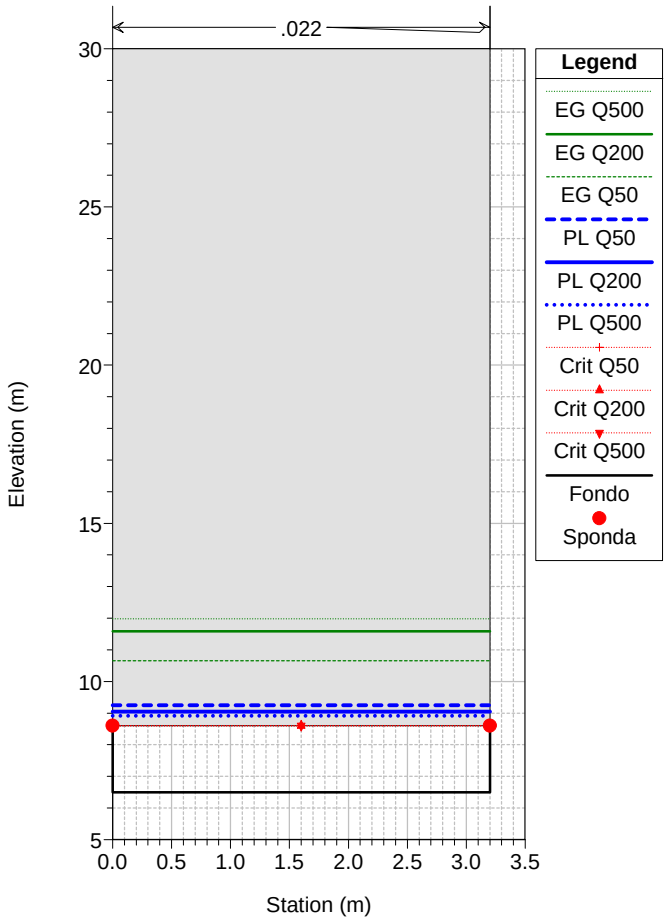
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 3



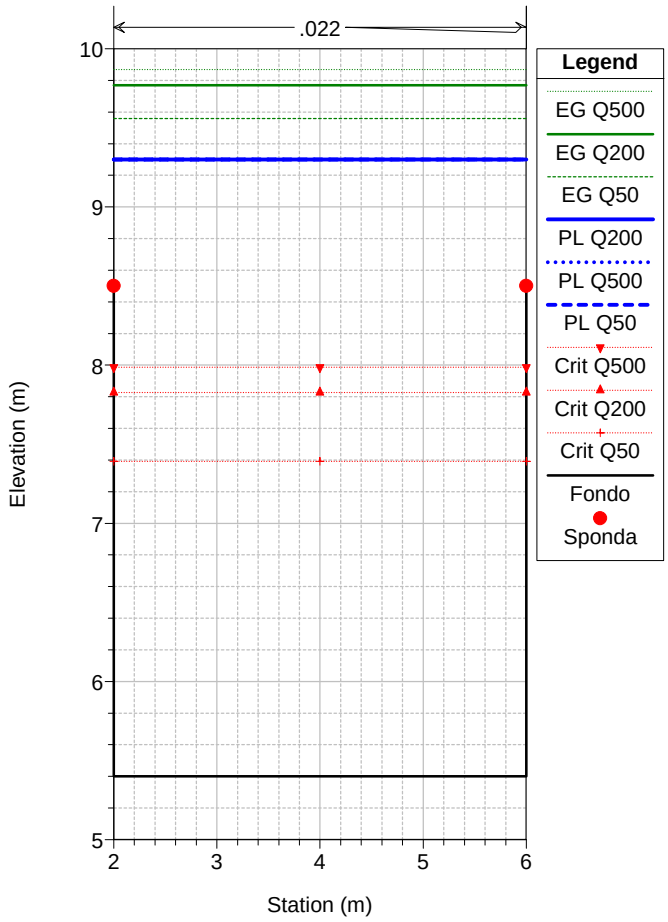
SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 2



SSalvatore Plan: 03_mar13_QDGR

River = SSalvatore Reach = valle SAL 1



HEC-RAS Plan: 03_QDGR

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	100 SAL 24	Q50	18.70	27.25	28.38	29.45	1.07	29.80	1.42	28.38	28.88	0.012690	3.12	6.00	6.03	1.00
monte	100 SAL 24	Q200	29.40	27.25	28.74	29.45	0.71	29.80	1.06	28.74	29.40	0.012763	3.62	8.13	6.11	1.00
monte	100 SAL 24	Q500	39.10	27.25	29.02	29.45	0.43	29.80	0.78	29.02	29.82	0.012862	3.96	9.87	6.18	1.00
monte	90 SAL 23	Q50	18.70	26.96	27.99	29.28	1.29	29.26	1.27	27.99	28.45	0.012300	2.98	6.27	6.89	1.00
monte	90 SAL 23	Q200	29.40	26.96	28.32	29.28	0.96	29.26	0.94	28.32	28.93	0.012132	3.46	8.50	6.97	1.00
monte	90 SAL 23	Q500	39.10	26.96	28.57	29.28	0.71	29.26	0.69	28.57	29.31	0.012153	3.80	10.30	7.03	1.00
monte	86 SAL 23	Q50	18.70	26.36	27.50	29.28	1.78	29.26	1.76	27.50	27.96	0.012778	2.99	6.26	6.82	1.00
monte	86 SAL 23	Q200	29.40	26.36	27.83	29.28	1.45	29.26	1.43	27.83	28.44	0.012657	3.47	8.47	6.89	1.00
monte	86 SAL 23	Q500	39.10	26.36	28.08	29.28	1.20	29.26	1.17	28.08	28.82	0.012671	3.81	10.26	6.95	1.00
monte	80 SAL 22	Q50	18.70	26.09	27.21	29.09	1.88	28.76	1.55	27.21	27.64	0.012069	2.91	6.44	7.45	1.00
monte	80 SAL 22	Q200	29.40	26.09	27.51	29.09	1.58	28.76	1.25	27.51	28.10	0.011951	3.38	8.69	7.50	1.00
monte	80 SAL 22	Q500	39.10	26.09	27.76	29.09	1.33	28.76	1.00	27.76	28.46	0.011848	3.71	10.54	7.53	1.00
monte	76 SAL 22	Q50	18.70	25.54	26.64	29.09	2.45	28.76	2.12	26.64	27.12	0.012363	3.07	6.10	6.34	1.00
monte	76 SAL 22	Q200	29.40	25.54	26.98	29.09	2.11	28.76	1.78	26.98	27.63	0.012340	3.56	8.27	6.43	1.00
monte	76 SAL 22	Q500	39.10	25.54	27.30	29.09	1.79	28.76	1.46	27.30	28.00	0.012131	3.71	10.53	7.47	1.00
monte	70 SAL 21	Q50	18.70	24.88	26.25	28.22	1.97	27.99	1.74	26.25	26.65	0.012245	2.83	6.62	8.12	1.00
monte	70 SAL 21	Q200	29.40	24.88	26.53	28.22	1.69	27.99	1.46	26.53	27.08	0.011906	3.28	8.95	8.15	1.00
monte	70 SAL 21	Q500	39.10	24.88	26.76	28.22	1.46	27.99	1.23	26.76	27.43	0.011829	3.61	10.83	8.17	1.00
monte	60 SAL 20	Q50	18.70	24.28	25.22	27.08	1.86	27.10	1.88	25.22	25.63	0.011368	2.83	6.60	8.03	1.00
monte	60 SAL 20	Q200	29.40	24.28	25.54	27.08	1.54	27.10	1.56	25.54	26.05	0.010829	3.15	9.33	9.19	1.00
monte	60 SAL 20	Q500	39.10	24.28	25.75	27.08	1.33	27.10	1.35	25.75	26.36	0.010734	3.47	11.28	9.25	1.00
monte	50 SAL 19	Q50	18.70	23.44	24.60	26.16	1.56	26.03	1.43	24.60	25.09	0.012021	3.08	6.08	6.29	1.00
monte	50 SAL 19	Q200	29.40	23.44	24.94	26.16	1.22	26.03	1.09	24.94	25.60	0.012152	3.58	8.22	6.33	1.00
monte	50 SAL 19	Q500	39.10	23.44	25.22	26.16	0.94	26.03	0.81	25.22	26.00	0.012211	3.92	9.98	6.37	1.00
monte	40 SAL 18	Q50	18.70	22.15	23.68	24.84	1.16	25.85	2.17	23.12	23.87	0.003211	1.94	9.64	6.41	0.50
monte	40 SAL 18	Q200	29.40	22.15	24.18	24.84	0.66	25.85	1.67	23.46	24.45	0.003472	2.28	12.88	6.48	0.52
monte	40 SAL 18	Q500	39.10	22.15	24.59	24.84	0.25	25.85	1.26	23.73	24.91	0.003645	2.52	15.53	6.54	0.52
monte	38 Briglia selettiv		Inl Struct													
monte	36 SAL 18	Q50	18.70	20.80	23.48	24.84	1.36	25.85	2.37	21.83	23.55	0.000407	1.15	16.26	6.44	0.23
monte	36 SAL 18	Q200	29.40	20.80	23.98	24.84	0.86	25.85	1.87	22.22	24.10	0.000616	1.51	19.47	6.49	0.28
monte	36 SAL 18	Q500	39.10	20.80	24.44	24.84	0.40	25.85	1.41	22.50	24.60	0.000743	1.74	22.46	6.53	0.30
monte	34 SAL 17	Q50	18.70	20.00	23.50	24.84	1.34	25.85	2.35	21.06	23.54	0.000231	0.92	20.31	6.24	0.16
monte	34 SAL 17	Q200	29.40	20.00	24.00	24.84	0.84	25.85	1.85	21.43	24.08	0.000389	1.25	23.46	6.25	0.21
monte	34 SAL 17	Q500	39.10	20.00	24.46	24.84	0.38	25.85	1.39	21.73	24.58	0.000508	1.48	26.36	6.26	0.23
monte	31 SAL 17	Q50	18.70	22.00	23.00	24.50	1.50	24.50	1.50	23.00	23.49	0.006981	3.13	5.98	6.00	1.00
monte	31 SAL 17	Q200	29.40	22.00	23.35	24.50	1.15	24.50	1.15	23.35	24.02	0.007075	3.64	8.08	6.00	1.00
monte	31 SAL 17	Q500	39.10	22.00	23.98	24.50	0.52	24.50	0.52	23.63	24.53	0.004156	3.29	11.87	6.00	0.75

HEC-RAS Plan: 03_QDGR (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	30 SAL 16	Q50	18.70	21.64	22.76	24.40	1.64	24.40	1.64	22.76	23.33	0.007519	3.33	5.62	5.00	1.00
monte	30 SAL 16	Q200	29.40	21.64	23.16	24.40	1.24	24.40	1.24	23.16	23.92	0.007768	3.86	7.61	5.00	1.00
monte	30 SAL 16	Q500	39.10	21.64	23.84	24.40	0.56	24.40	0.56	23.48	24.49	0.004932	3.55	11.02	5.00	0.76
monte	29 SAL 15	Q50	18.70	19.98	21.10	23.08	1.98	23.08	1.98	21.10	21.67	0.007512	3.33	5.62	5.00	1.00
monte	29 SAL 15	Q200	29.40	19.98	21.50	23.08	1.58	23.08	1.58	21.50	22.26	0.007747	3.86	7.62	5.00	1.00
monte	29 SAL 15	Q500	39.10	19.98	23.94	23.08	-0.86	23.08	-0.86	21.82	24.26	0.003266	2.52	15.50		0.40
monte	28 SAL 14	Q50	18.70	18.00	19.12	21.20	2.08	21.20	2.08	19.12	19.69	0.007522	3.33	5.62	5.00	1.00
monte	28 SAL 14	Q200	29.40	18.00	20.71	21.20	0.49	21.20	0.49	19.52	20.95	0.001600	2.17	13.57	5.00	0.42
monte	28 SAL 14	Q500	39.10	18.00	23.82	21.20	-2.62	21.20	-2.62	19.84	24.12	0.002987	2.44	16.00		0.32
monte	27 SAL 13	Q50	18.70	17.17	18.30	19.67	1.37	19.67	1.37	18.30	18.86	0.007498	3.32	5.63	5.00	1.00
monte	27 SAL 13	Q200	29.40	17.17	20.58	19.67	-0.91	19.67	-0.91	18.69	20.86	0.003414	2.35	12.50		0.41
monte	27 SAL 13	Q500	39.10	17.17	23.47	19.67	-3.80	19.67	-3.80	19.01	23.96	0.006039	3.13	12.50		0.40
monte	25 SAL 12	Q50	18.70	15.75	16.88	18.15	1.27	18.15	1.27	16.88	17.44	0.007487	3.32	5.63	5.00	1.00
monte	25 SAL 12	Q200	29.40	15.75	20.35	18.15	-2.20	18.15	-2.20	17.27	20.66	0.003843	2.45	12.00		0.36
monte	25 SAL 12	Q500	39.10	15.75	23.06	18.15	-4.91	18.15	-4.91	17.59	23.60	0.006797	3.26	12.00		0.38
monte	22 SAL 11	Q50	18.70	14.00	15.13	16.30	1.17	16.30	1.17	15.12	15.69	0.007324	3.30	5.67	5.00	0.99
monte	22 SAL 11	Q200	29.40	14.00	20.03	16.30	-3.73	16.30	-3.73	15.52	20.37	0.004349	2.56	11.50		0.33
monte	22 SAL 11	Q500	39.10	14.00	22.50	16.30	-6.20	16.30	-6.20	15.84	23.09	0.007691	3.40	11.50		0.37
monte	21 SAL 10	Q50	18.70	13.65	15.20	15.95	0.75	15.95	0.75	14.86	15.56	0.003924	2.69	6.96	4.50	0.69
monte	21 SAL 10	Q200	29.40	13.65	19.88	15.95	-3.93	15.95	-3.93	15.28	20.29	0.005620	2.84	10.35		0.36
monte	21 SAL 10	Q500	39.10	13.65	22.23	15.95	-6.28	15.95	-6.28	15.62	22.96	0.009941	3.78	10.35		0.41
monte	20 SAL 9	Q50	18.70	13.55	14.86	15.85	0.99	15.85	0.99	14.86	15.51	0.008484	3.58	5.23	4.00	1.00
monte	20 SAL 9	Q200	29.40	13.55	19.73	15.85	-3.88	15.85	-3.88	15.32	20.25	0.007518	3.20	9.20		0.41
monte	20 SAL 9	Q500	39.10	13.55	21.96	15.85	-6.11	15.85	-6.11	15.68	22.88	0.013297	4.25	9.20		0.47
monte	19 SAL 9	Q50	18.70	13.50	14.87	15.90	1.03	15.90	1.03	14.81	15.46	0.007407	3.41	5.49	4.00	0.93
monte	19 SAL 9	Q200	29.40	13.50	19.75	15.90	-3.85	15.90	-3.85	15.27	20.23	0.006662	3.06	9.60		0.39
monte	19 SAL 9	Q500	39.10	13.50	22.00	15.90	-6.10	15.90	-6.10	15.64	22.85	0.011783	4.07	9.60		0.45
monte	10 SAL 8	Q50	18.70	10.20	14.91	12.60	-2.31	12.60	-2.31	11.33	15.04	0.001555	1.56	12.00		0.23
monte	10 SAL 8	Q200	29.40	10.20	19.21	12.60	-6.61	12.60	-6.61	11.72	19.52	0.003843	2.45	12.00		0.26
monte	10 SAL 8	Q500	39.10	10.20	21.05	12.60	-8.45	12.60	-8.45	12.04	21.59	0.006797	3.26	12.00		0.32
valle	30 SAL 7	Q50	34.12	10.20	14.59	12.80	-1.79	12.80	-1.79	12.03	15.04	0.005636	2.98	11.44		0.45
valle	30 SAL 7	Q200	45.58	10.20	18.71	12.80	-5.91	12.80	-5.91	12.42	19.52	0.010059	3.98	11.44		0.44
valle	30 SAL 7	Q500	49.73	10.20	20.63	12.80	-7.83	12.80	-7.83	12.55	21.59	0.011972	4.35	11.44		0.43
valle	29.875	Q50	35.22	10.06	14.45	12.57	-1.88	12.57	-1.88	11.93	14.97	0.006714	3.20	10.99		0.49
valle	29.875	Q200	47.38	10.06	18.46	12.57	-5.89	12.57	-5.89	12.35	19.40	0.012150	4.31	10.99		0.47
valle	29.875	Q500	52.13	10.06	20.30	12.57	-7.73	12.57	-7.73	12.49	21.45	0.014707	4.74	10.99		0.47

HEC-RAS Plan: 03_QDGR (Continued)

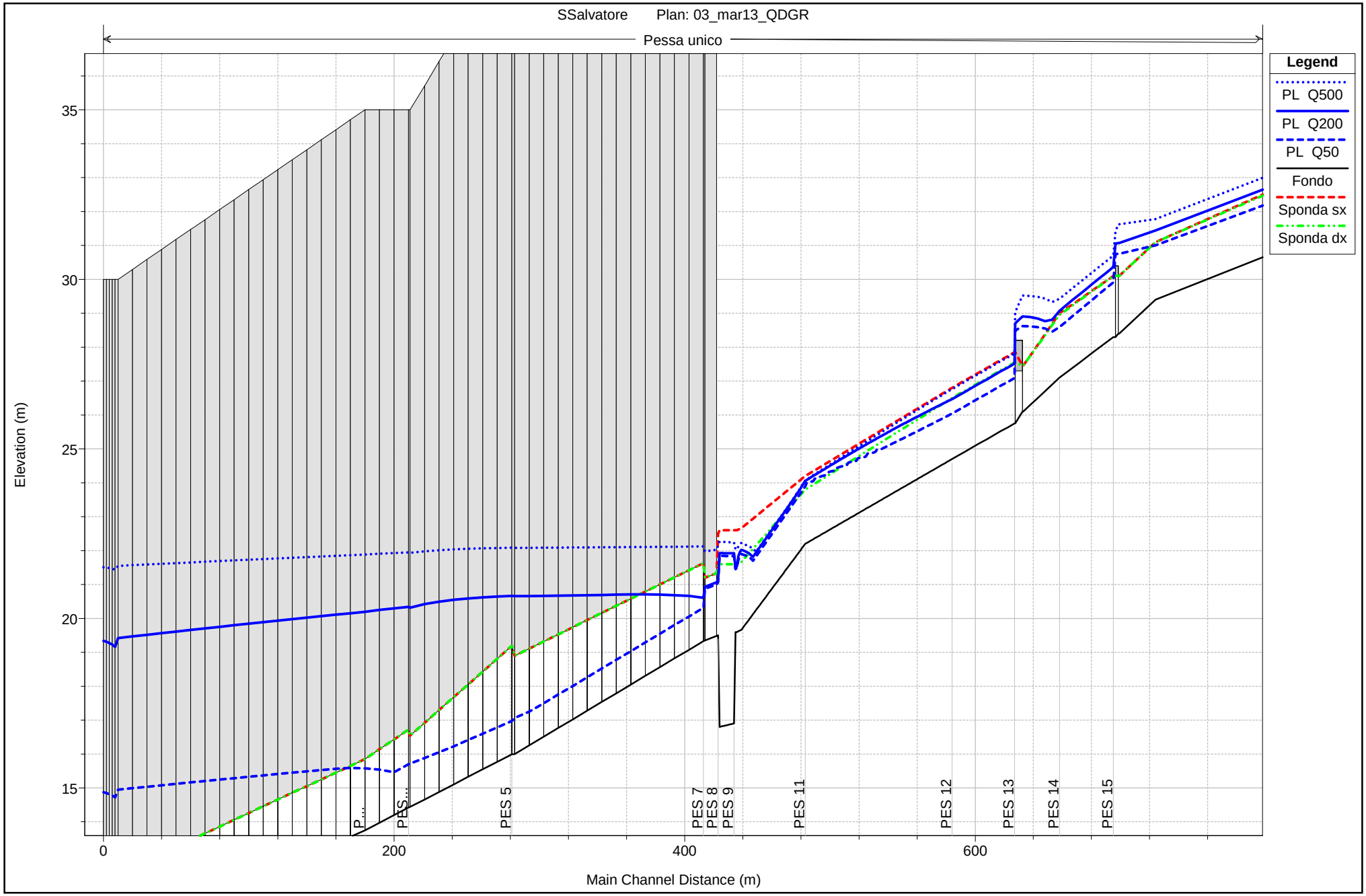
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
valle	29 SAL 6	Q50	35.22	9.10	13.23	11.00	-2.23	11.00	-2.23	11.00	14.22	0.016609	4.41	7.98		0.69
valle	29 SAL 6	Q200	47.38	9.10	16.25	11.00	-5.25	11.00	-5.25	11.00	18.05	0.030059	5.94	7.98		0.71
valle	29 SAL 6	Q500	52.13	9.10	17.63	11.00	-6.63	11.00	-6.63	11.00	19.81	0.036384	6.53	7.98		0.71
valle	28 SAL 6	Q50	35.22	9.05	12.74	10.65	-2.09	10.65	-2.09	10.65	14.14	0.027535	5.24	6.72		0.87
valle	28 SAL 6	Q200	47.38	9.05	15.36	10.65	-4.71	10.65	-4.71	10.65	17.90	0.049833	7.05	6.72		0.90
valle	28 SAL 6	Q500	52.13	9.05	16.56	10.65	-5.91	10.65	-5.91	10.65	19.63	0.060319	7.76	6.72		0.90
valle	27 SAL 5	Q50	35.22	8.80	12.32	10.40	-1.92	10.40	-1.92	10.40	13.72	0.027520	5.24	6.72		0.89
valle	27 SAL 5	Q200	47.38	8.80	14.60	10.40	-4.20	10.40	-4.20	10.40	17.13	0.049805	7.05	6.72		0.93
valle	27 SAL 5	Q500	52.13	8.80	15.63	10.40	-5.23	10.40	-5.23	10.40	18.70	0.060285	7.76	6.72		0.95
valle	26 SAL 5	Q50	35.22	8.75	12.56	10.65	-1.91	10.65	-1.91	10.65	13.55	0.016601	4.41	7.98		0.72
valle	26 SAL 5	Q200	47.38	8.75	15.04	10.65	-4.39	10.65	-4.39	10.65	16.83	0.030045	5.94	7.98		0.76
valle	26 SAL 5	Q500	52.13	8.75	16.16	10.65	-5.51	10.65	-5.51	10.65	18.34	0.036367	6.53	7.98		0.77
valle	25 SAL 4	Q50	35.22	7.85	11.31	9.75	-1.56	9.75	-1.56	9.75	12.31	0.016609	4.41	7.98		0.76
valle	25 SAL 4	Q200	47.38	7.85	12.78	9.75	-3.03	9.75	-3.03	9.75	14.58	0.030059	5.94	7.98		0.85
valle	25 SAL 4	Q500	52.13	7.85	13.43	9.75	-3.68	9.75	-3.68	9.75	15.61	0.036384	6.53	7.98		0.88
valle	24 SAL 4	Q50	35.22	7.85	10.82	8.85	-1.97	8.85	-1.97	9.60	12.24	0.025130	5.29	6.66		0.98
valle	24 SAL 4	Q200	47.38	7.85	11.88	8.85	-3.03	8.85	-3.03	9.75	14.46	0.045480	7.12	6.66		1.13
valle	24 SAL 4	Q500	52.13	7.85	12.34	8.85	-3.49	8.85	-3.49	9.78	15.47	0.055049	7.83	6.66		1.18
valle	23 SAL 3	Q50	35.22	7.80	10.64	8.80	-1.84	8.80	-1.84	9.55	12.07	0.025131	5.29	6.66		1.00
valle	23 SAL 3	Q200	47.38	7.80	11.56	8.80	-2.76	8.80	-2.76	9.70	14.14	0.045483	7.12	6.66		1.17
valle	23 SAL 3	Q500	52.13	7.80	11.96	8.80	-3.16	8.80	-3.16	9.73	15.08	0.055053	7.83	6.66		1.23
valle	22 SAL 3	Q50	35.22	7.80	11.10	10.50	-0.60	10.50	-0.60	10.02	11.85	0.010411	3.84	9.18		0.67
valle	22 SAL 3	Q200	47.38	7.80	12.39	10.50	-1.89	10.50	-1.89	10.50	13.75	0.018842	5.16	9.18		0.77
valle	22 SAL 3	Q500	52.13	7.80	12.96	10.50	-2.46	10.50	-2.46	10.50	14.60	0.022806	5.68	9.18		0.80
valle	20 SAL 2	Q50	35.22	6.50	9.25	8.60	-0.65	8.60	-0.65	8.60	10.65	0.024410	5.24	6.72		1.01
valle	20 SAL 2	Q200	47.38	6.50	9.05	8.60	-0.45	8.60	-0.45	8.60	11.58	0.044177	7.05	6.72		1.41
valle	20 SAL 2	Q500	52.13	6.50	8.92	8.60	-0.32	8.60	-0.32	8.60	11.98	0.053472	7.76	6.72		1.59
valle	10 SAL 1	Q50	35.22	5.40	9.30	8.50	-0.80	8.50	-0.80	7.39	9.56	0.001701	2.26	15.60	4.00	0.36
valle	10 SAL 1	Q200	47.38	5.40	9.30	8.50	-0.80	8.50	-0.80	7.83	9.77	0.003078	3.04	15.60	4.00	0.49
valle	10 SAL 1	Q500	52.13	5.40	9.30	8.50	-0.80	8.50	-0.80	7.99	9.87	0.003725	3.34	15.60	4.00	0.54

RIO PESSA

A MONTE DEL FOSSO SAN SALVATORE

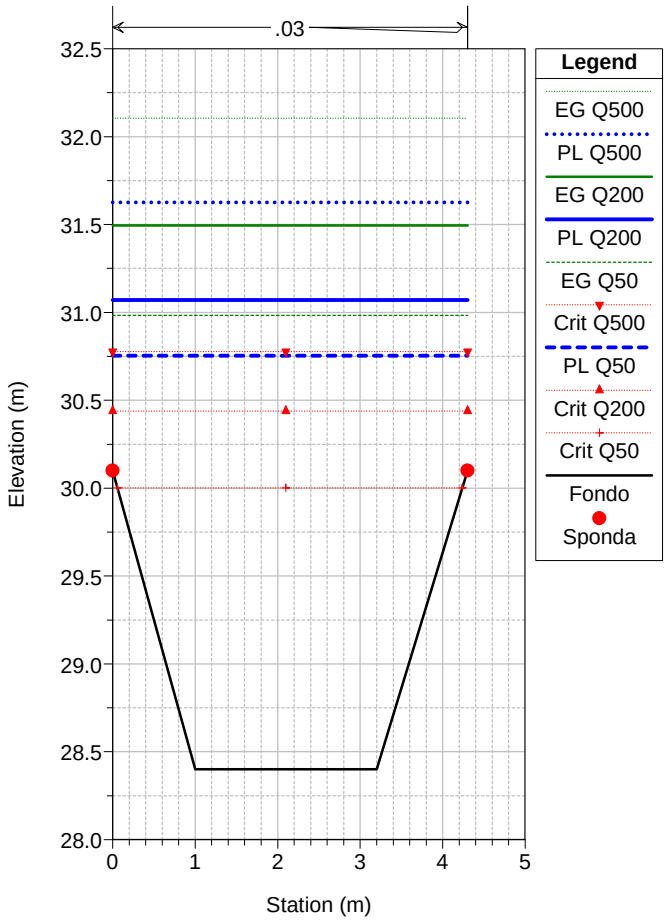
DALLA SEZIONE PES16 ALLA PES1

- PROFILI DI CORRENTE
- SEZIONI IDRAULICHE
- TABELLE DEI RISULTATI



1 cm Horiz. = 35 m 1 cm Vert. = 1.5 m

SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 15



SSalvatore Plan: 03_mar13_QDGR
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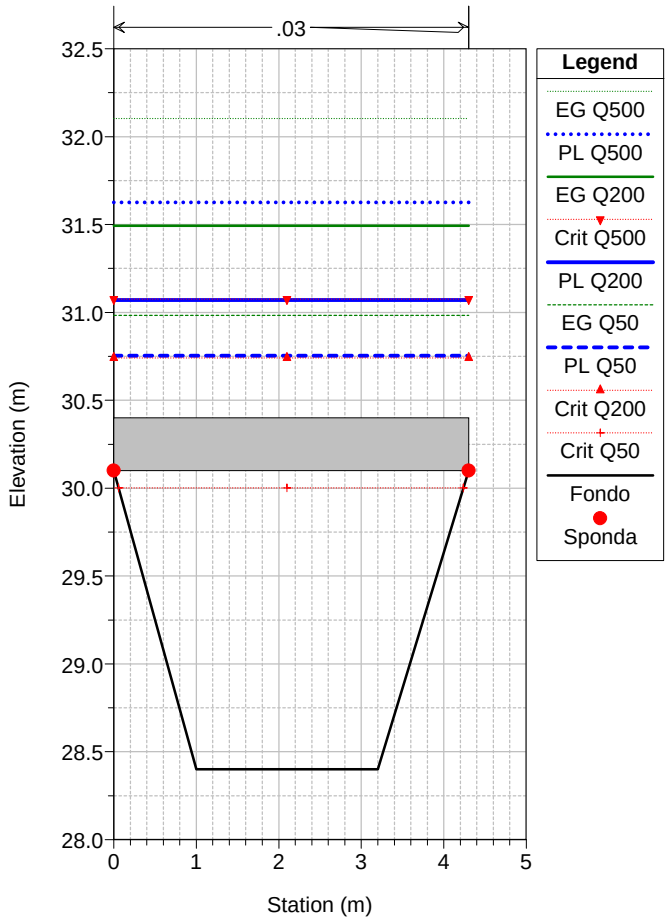
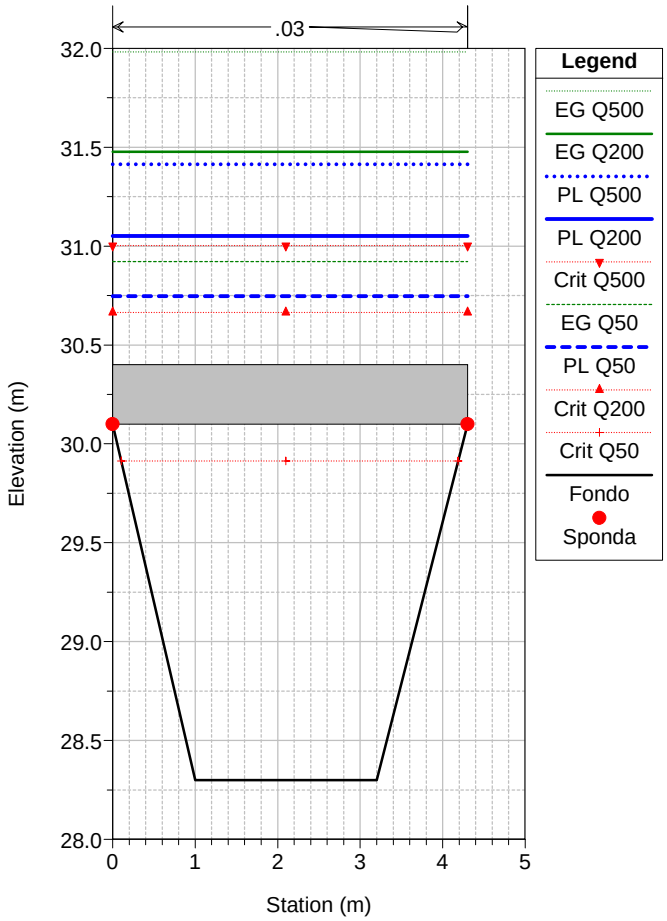


SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 15



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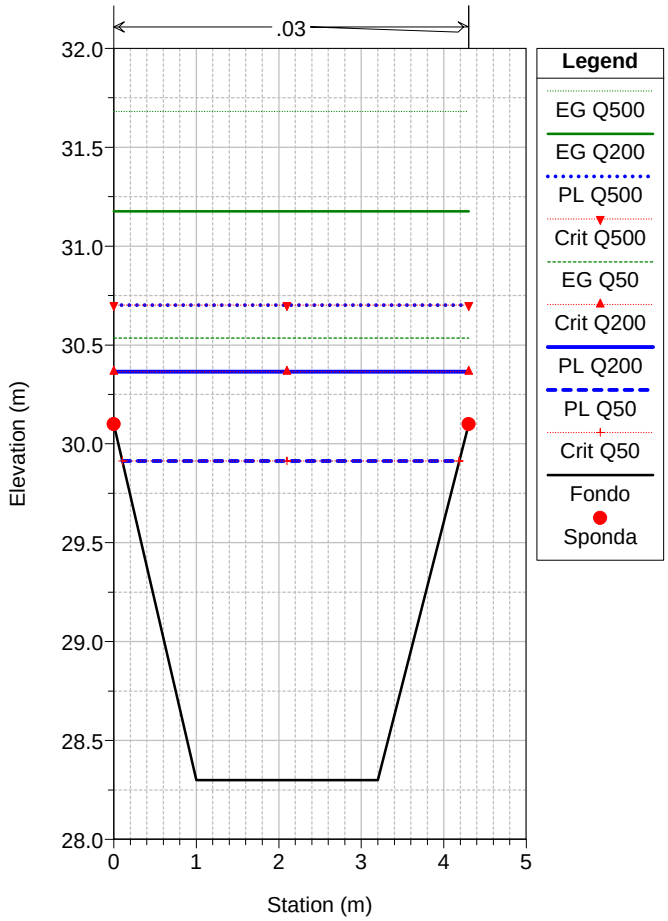
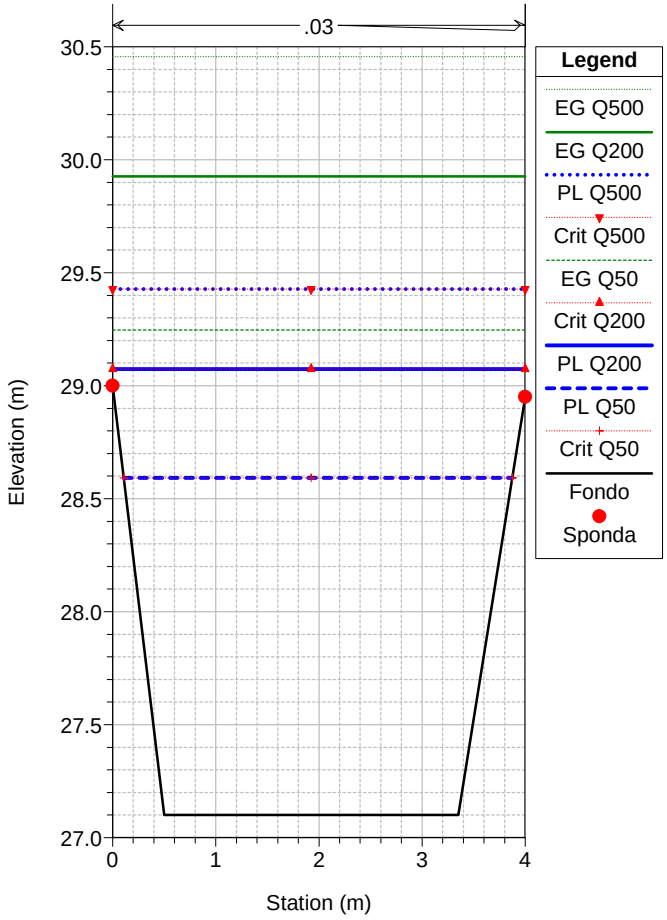
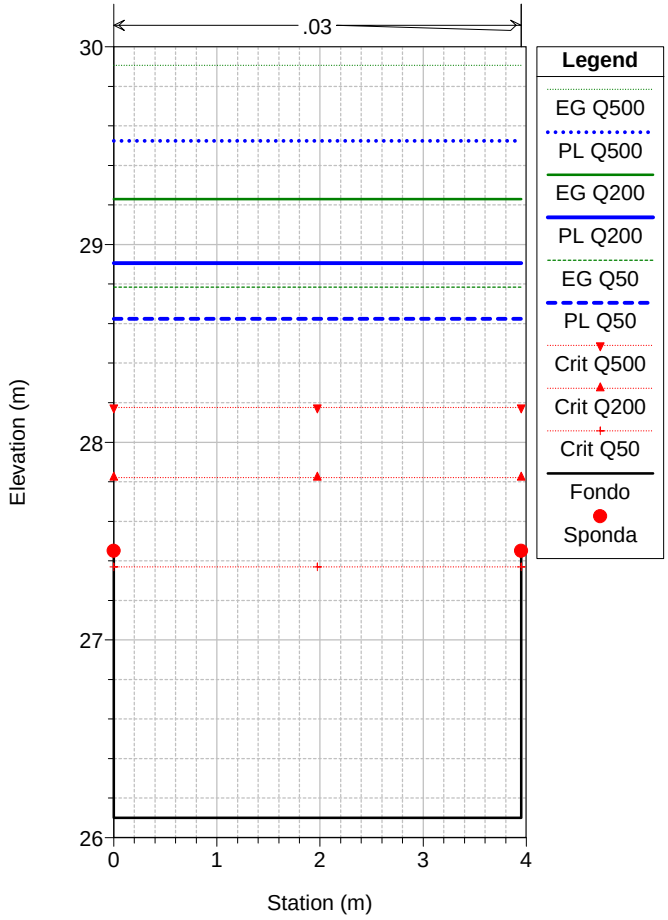


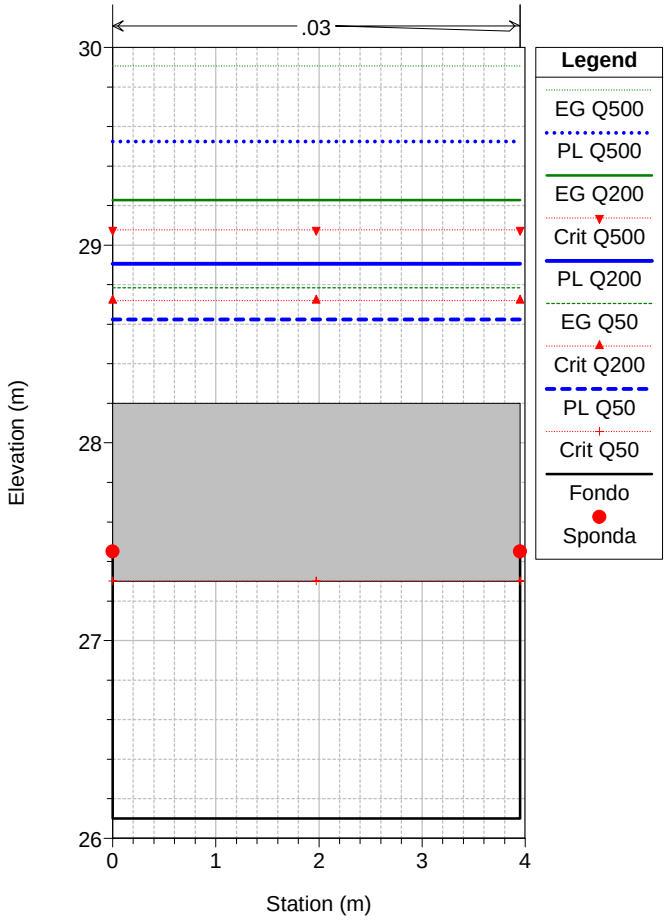
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 14



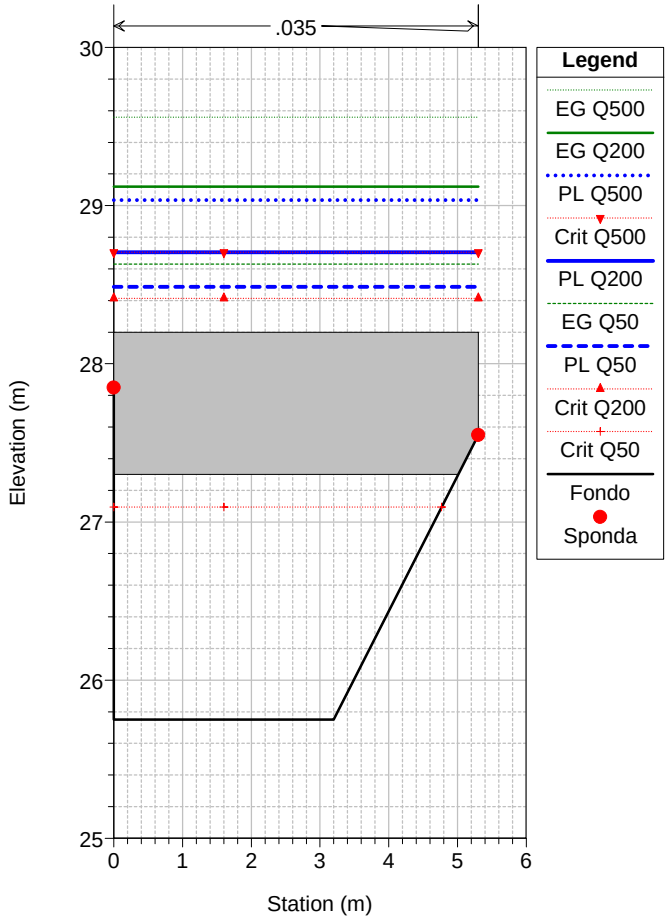
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 13



SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 13

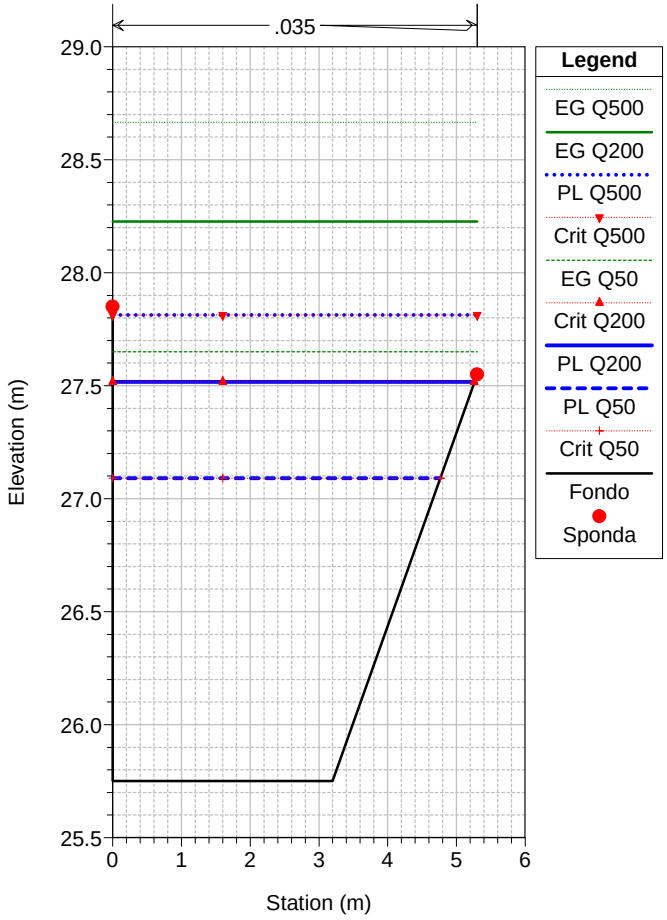


SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 13



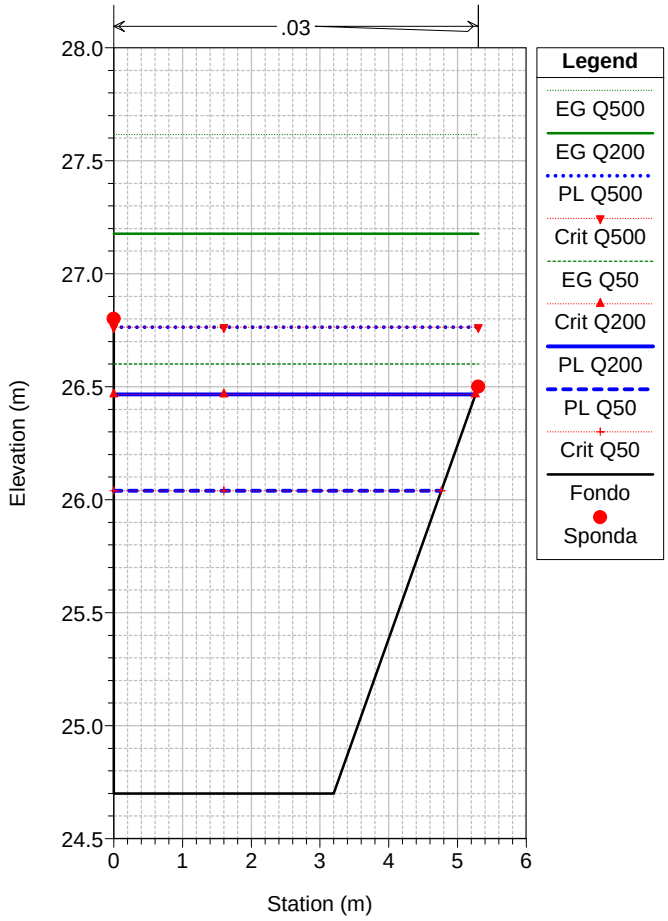
SSalvatore Plan: 03_mar13_QDGR

River = Pessa Reach = unico PES 13



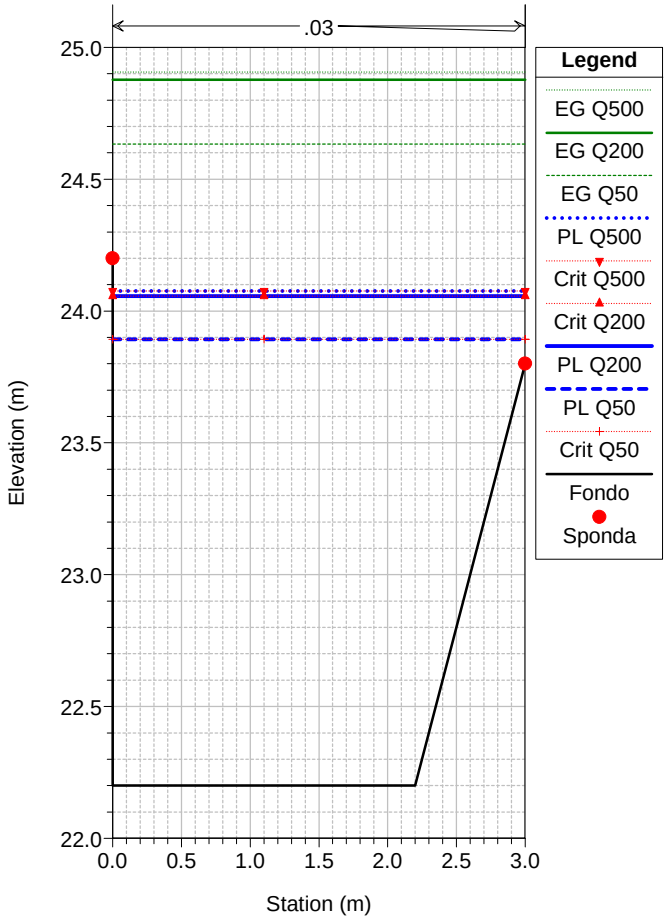
SSalvatore Plan: 03_mar13_QDGR

River = Pessa Reach = unico PES 12



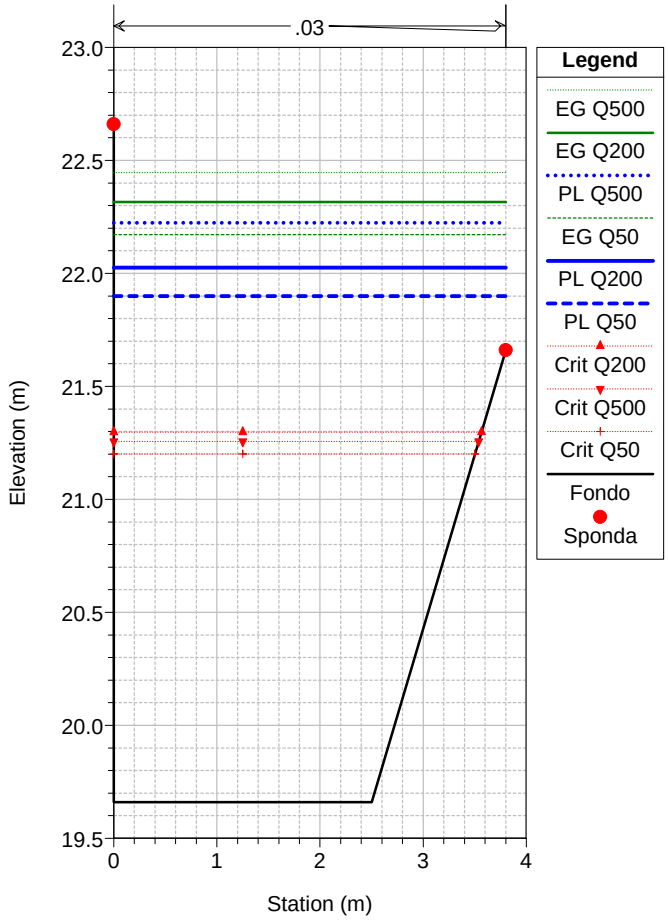
SSalvatore Plan: 03_mar13_QDGR

River = Pessa Reach = unico PES 11

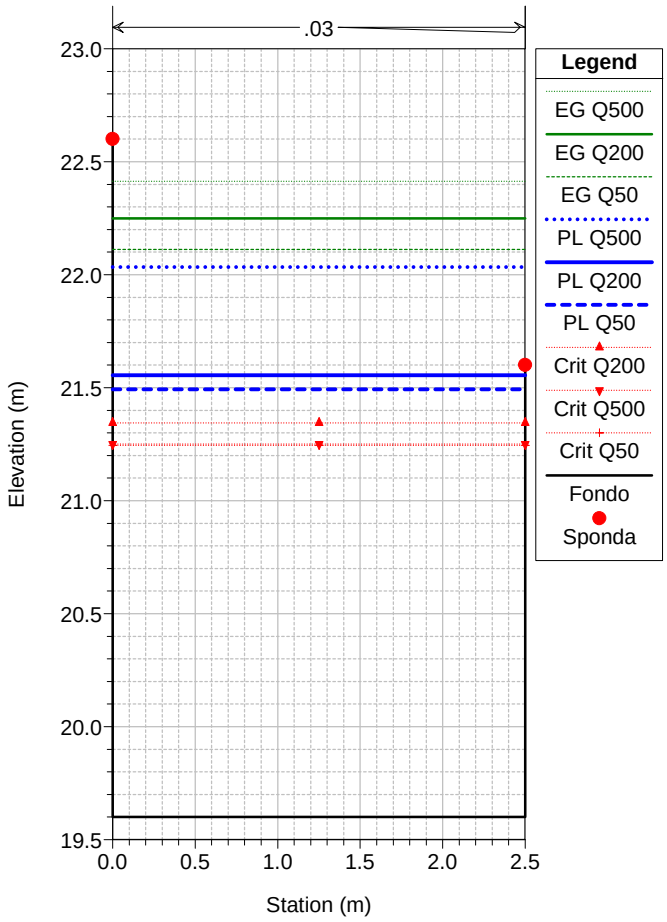


SSalvatore Plan: 03_mar13_QDGR

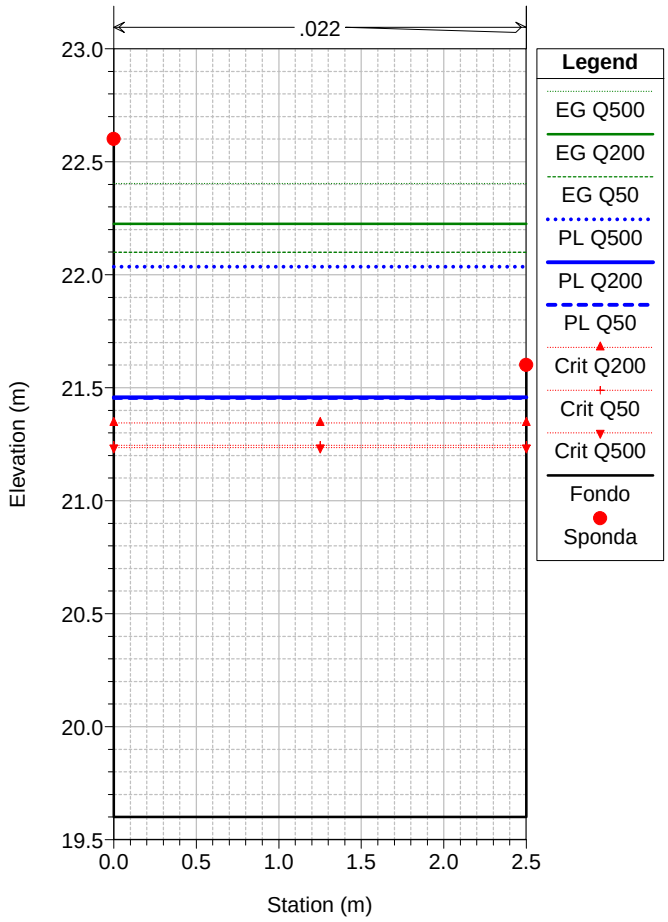
River = Pessa Reach = unico PES 10



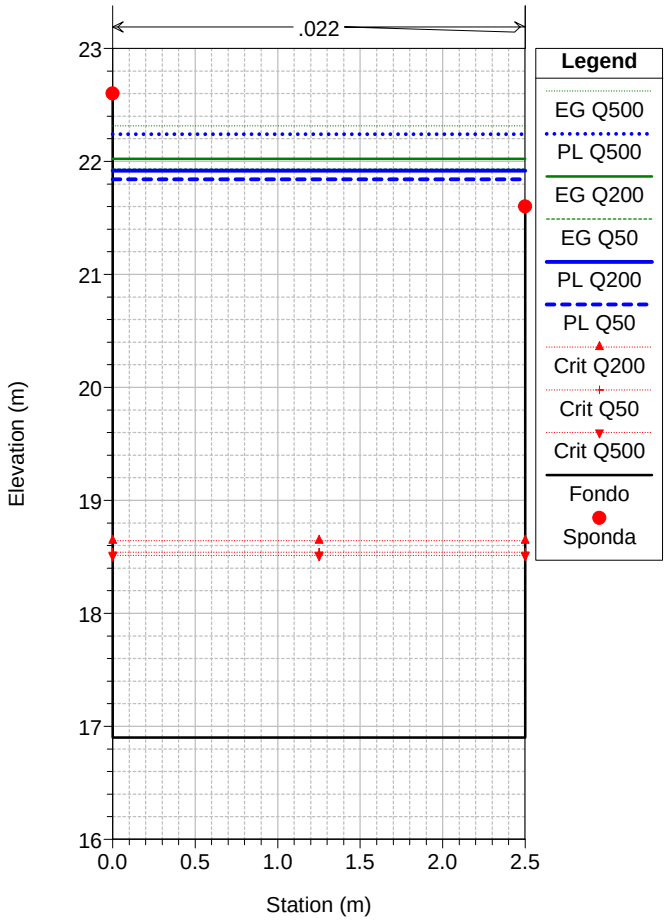
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 9



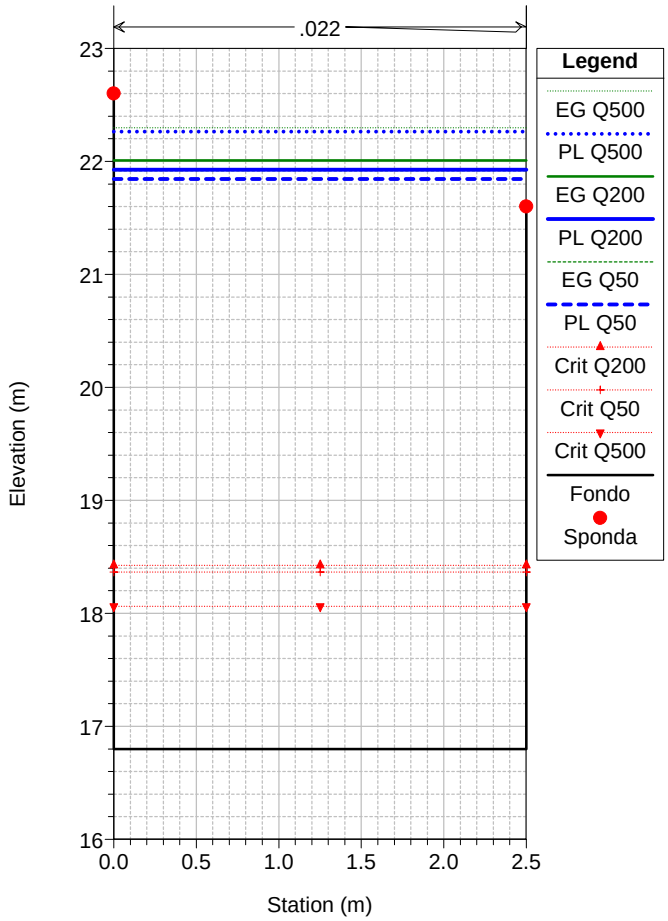
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 9



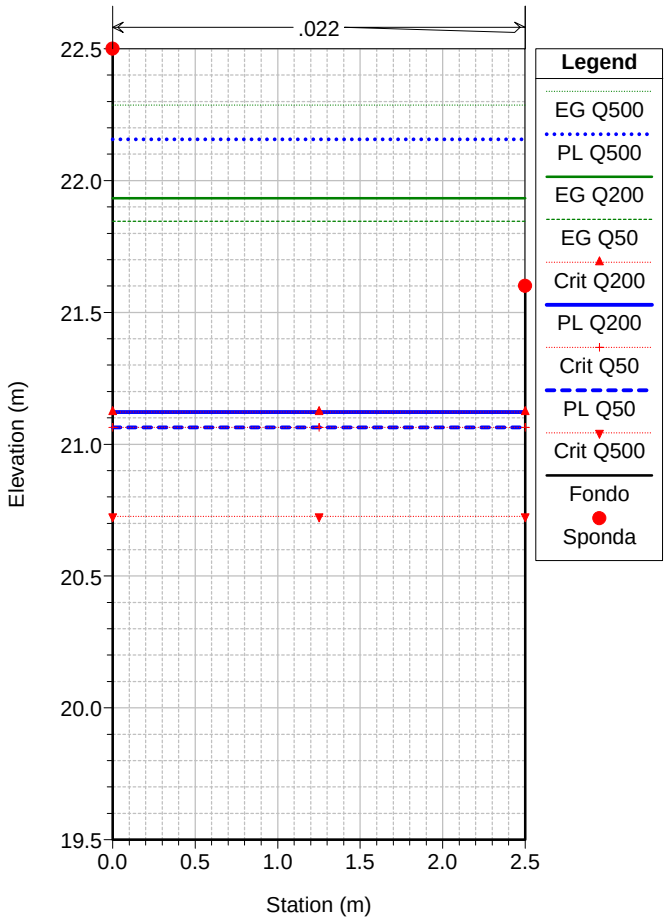
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 9



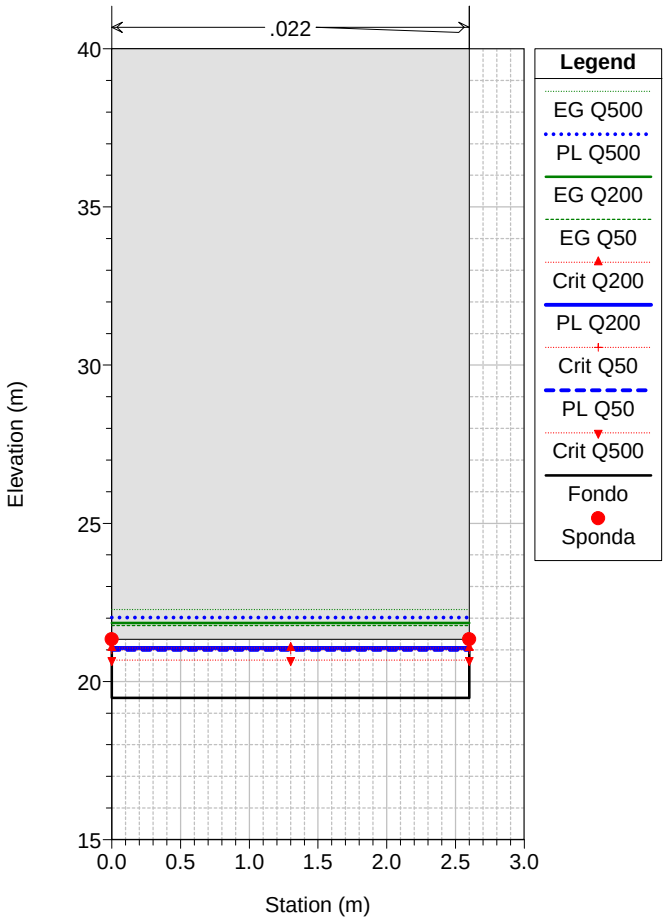
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 8



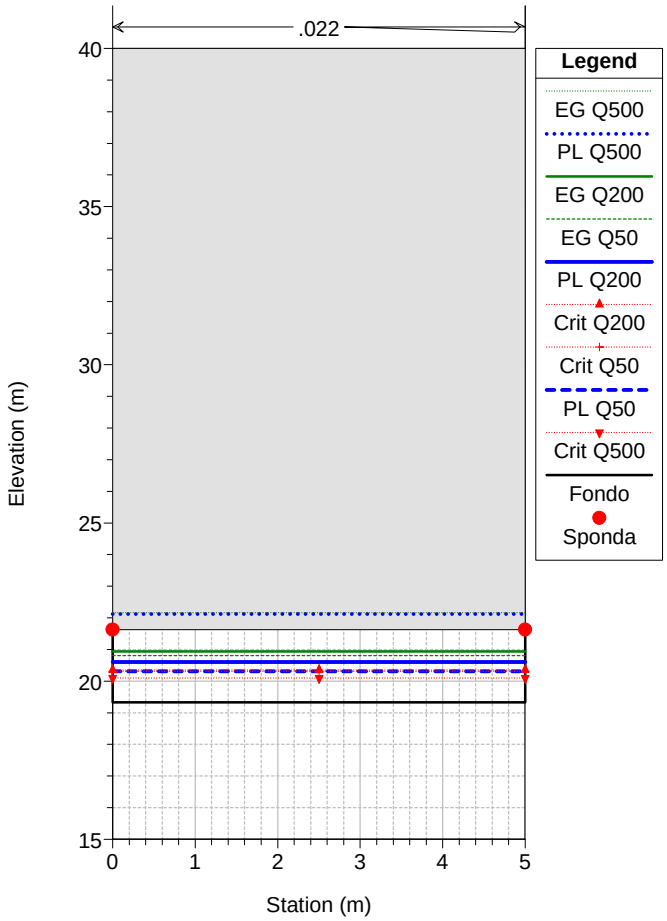
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 8



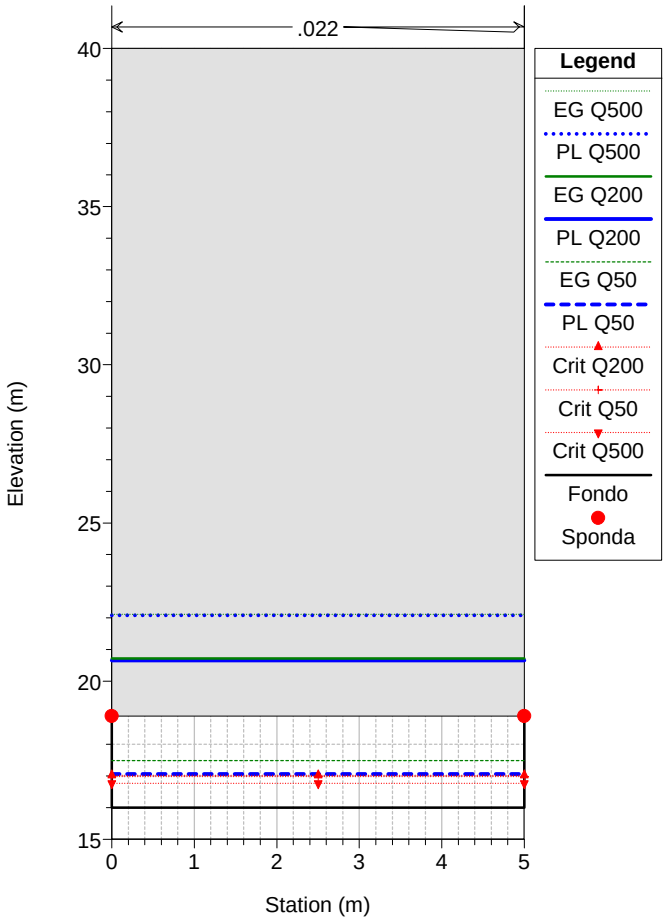
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 8

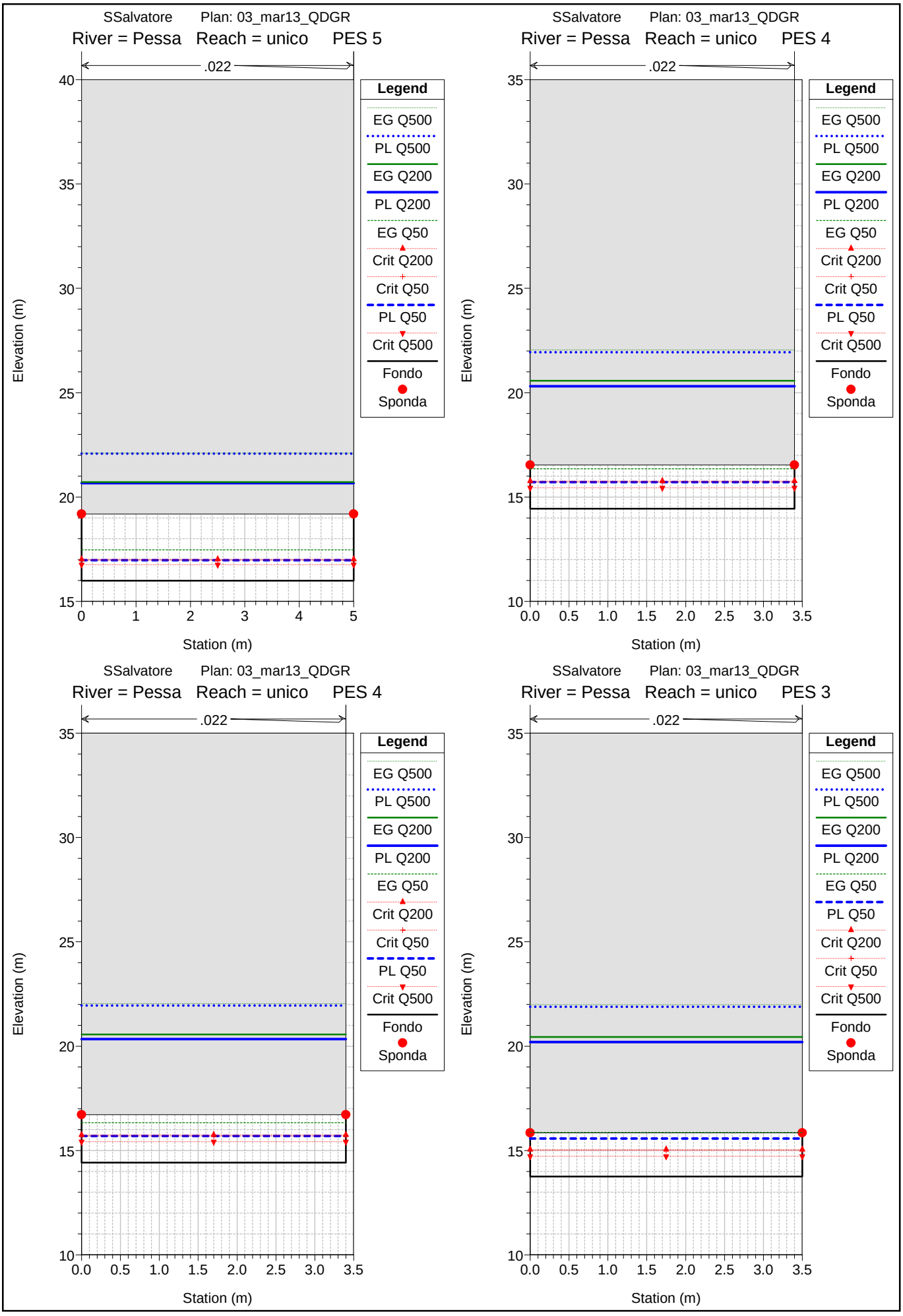


SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 7



SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 6




SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 5
.022
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q200
Crit Q50
PL Q50
Crit Q500
Fondo
Sponda
Elevation (m)
Station (m)
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 4
.022
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q200
Crit Q50
PL Q50
Crit Q500
Fondo
Sponda
Elevation (m)
Station (m)
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 4
.022
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
Crit Q200
Crit Q50
PL Q50
Crit Q500
Fondo
Sponda
Elevation (m)
Station (m)
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 3
.022
Legend
EG Q500
PL Q500
EG Q200
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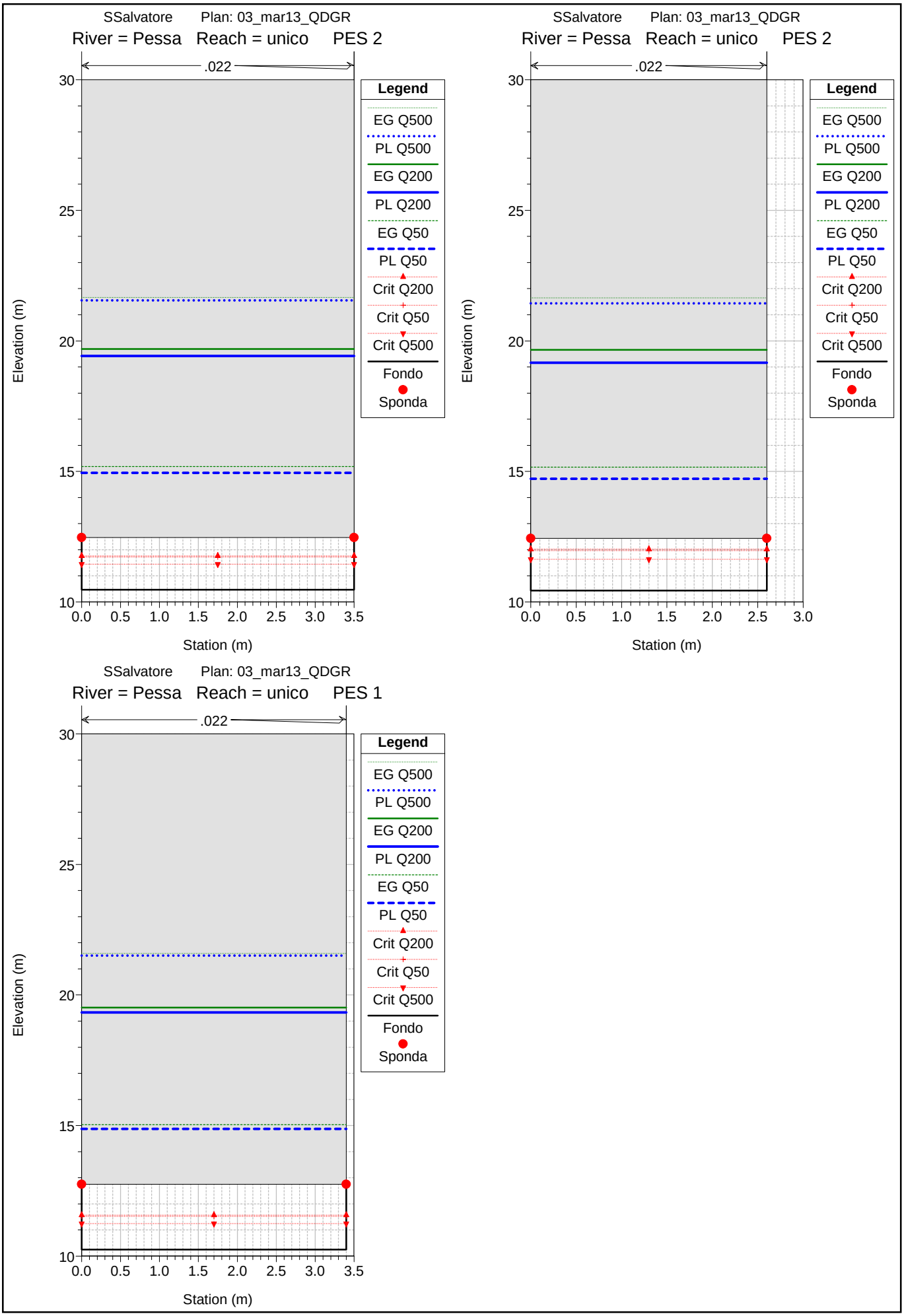
EG Q50
Crit Q200
Crit Q50
PL Q50
Crit Q500
Fondo
Sponda
Elevation (m)
Station (m)


SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 2
.022
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q200
Crit Q50
Crit Q500
Fondo
Sponda
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 2
.022
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q200
Crit Q50
Crit Q500
Fondo
Sponda
SSalvatore Plan: 03_mar13_QDGR
River = Pessa Reach = unico PES 1
.022
Elevation (m)
Station (m)
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q200
Crit Q50
Crit Q500
Fondo
Sponda

HEC-RAS Plan: 03_QDGR River: Pessa 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	100	Q50	17.70	31.10	32.59	33.00	0.41	32.95	0.36	32.59	33.25	0.014942	3.59	4.93	3.77	1.00
unico	100	Q200	27.90	31.10	33.07	33.00	-0.07	32.95	-0.12	33.07	33.93	0.015537	4.09	6.82	4.00	1.00
unico	100	Q500	37.00	31.10	33.43	33.00	-0.43	32.95	-0.48	33.43	34.46	0.016580	4.50	8.23	4.00	1.00
unico	95	Q50	17.70	29.40	31.00	31.10	0.10	31.10	0.10	31.00	31.61	0.013276	3.46	5.11	4.18	1.00
unico	95	Q200	27.90	29.40	31.44	31.10	-0.34	31.10	-0.34	31.44	32.25	0.014067	3.99	6.98	4.30	1.00
unico	95	Q500	37.00	29.40	31.78	31.10	-0.68	31.10	-0.68	31.78	32.76	0.014947	4.39	8.43	4.30	1.00
unico	91 PES 15	Q50	17.70	28.40	30.75	30.10	-0.65	30.10	-0.65	30.00	30.98	0.003525	2.12	8.34	4.30	0.49
unico	91 PES 15	Q200	27.90	28.40	31.07	30.10	-0.97	30.10	-0.97	30.44	31.49	0.005894	2.88	9.70	4.30	0.61
unico	91 PES 15	Q500	37.00	28.40	31.63	30.10	-1.53	30.10	-1.53	30.78	32.10	0.005907	3.06	12.08	4.30	0.58
unico	90 PES 15		Bridge													
unico	89 PES 15	Q50	17.70	28.30	29.91	30.10	0.19	30.10	0.19	29.91	30.53	0.013579	3.49	5.06	4.08	1.00
unico	89 PES 15	Q200	27.90	28.30	30.37	30.10	-0.27	30.10	-0.27	30.37	31.18	0.014081	3.99	6.99	4.30	1.00
unico	89 PES 15	Q500	37.00	28.30	30.70	30.10	-0.60	30.10	-0.60	30.70	31.68	0.014990	4.39	8.44	4.30	1.00
unico	80 PES 14	Q50	17.70	27.10	28.59	29.00	0.41	28.95	0.36	28.59	29.25	0.014911	3.58	4.94	3.77	1.00
unico	80 PES 14	Q200	27.90	27.10	29.07	29.00	-0.07	28.95	-0.12	29.07	29.93	0.015517	4.09	6.82	4.00	1.00
unico	80 PES 14	Q500	37.00	27.10	29.43	29.00	-0.43	28.95	-0.48	29.43	30.46	0.016566	4.49	8.23	4.00	1.00
unico	61 PES 13	Q50	17.70	26.10	28.62	27.45	-1.17	27.45	-1.17	27.37	28.78	0.002476	1.78	9.97	3.95	0.36
unico	61 PES 13	Q200	27.90	26.10	28.91	27.45	-1.46	27.45	-1.46	27.82	29.23	0.004685	2.52	11.08	3.95	0.48
unico	61 PES 13	Q500	37.00	26.10	29.52	27.45	-2.07	27.45	-2.07	28.18	29.91	0.004988	2.74	13.53	3.95	0.47
unico	60 PES 13		Bridge													
unico	59 PES 13	Q50	17.70	25.75	27.09	27.85	0.76	27.55	0.46	27.09	27.65	0.017859	3.31	5.34	4.76	1.00
unico	59 PES 13	Q200	27.90	25.75	27.52	27.85	0.33	27.55	0.03	27.52	28.23	0.017718	3.73	7.47	5.26	1.00
unico	59 PES 13	Q500	37.00	25.75	27.81	27.85	0.04	27.55	-0.26	27.81	28.67	0.018246	4.09	9.05	5.30	1.00
unico	50 PES 12	Q50	17.70	24.70	26.04	26.80	0.76	26.50	0.46	26.04	26.60	0.013158	3.32	5.33	4.76	1.00
unico	50 PES 12	Q200	27.90	24.70	26.47	26.80	0.33	26.50	0.03	26.47	27.18	0.013036	3.74	7.47	5.26	1.00
unico	50 PES 12	Q500	37.00	24.70	26.76	26.80	0.04	26.50	-0.26	26.76	27.62	0.013417	4.09	9.04	5.30	1.00
unico	45		Lat Struct													
unico	40 PES 11	Q50	16.93	22.20	23.89	24.20	0.31	23.80	-0.09	23.89	24.63	0.018578	3.81	4.44	3.00	1.00
unico	40 PES 11	Q200	19.79	22.20	24.06	24.20	0.14	23.80	-0.26	24.06	24.88	0.019261	4.01	4.93	3.00	1.00
unico	40 PES 11	Q500	20.14	22.20	24.08	24.20	0.12	23.80	-0.28	24.08	24.91	0.019370	4.04	4.99	3.00	1.00
unico	35		Lat Struct													
unico	30 PES 10	Q50	16.65	19.66	21.90	22.66	0.76	21.66	-0.24	21.20	22.17	0.004931	2.31	7.21	3.80	0.53
unico	30 PES 10	Q200	18.38	19.66	22.03	22.66	0.63	21.66	-0.37	21.30	22.32	0.005081	2.39	7.69	3.80	0.54
unico	30 PES 10	Q500	17.62	19.66	22.22	22.66	0.44	21.66	-0.56	21.26	22.45	0.003654	2.09	8.44	3.80	0.45
unico	25		Lat Struct													

HEC-RAS Plan: 03_QDGR River: Pessa 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	24 PES 9	Q50	16.49	19.60	21.49	22.60	1.11	21.60	0.11	21.25	22.11	0.015957	3.48	4.73	2.50	0.81
unico	24 PES 9	Q200	18.04	19.60	21.56	22.60	1.04	21.60	0.04	21.34	22.25	0.017572	3.69	4.89	2.50	0.84
unico	24 PES 9	Q500	16.60	19.60	22.03	22.60	0.57	21.60	-0.43	21.25	22.41	0.008640	2.73	6.09	2.50	0.56
unico	20 PES 9	Q50	16.49	19.60	21.45	22.60	1.15	21.60	0.14	21.25	22.10	0.009035	3.56	4.64	2.50	0.83
unico	20 PES 9	Q200	18.04	19.60	21.46	22.60	1.14	21.60	0.14	21.34	22.23	0.010778	3.89	4.64	2.50	0.91
unico	20 PES 9	Q500	16.39	19.60	22.04	22.60	0.56	21.60	-0.44	21.24	22.40	0.004525	2.69	6.09	2.50	0.55
unico	16 PES 9	Q50	16.47	16.90	21.84	22.60	0.76	21.60	-0.24	18.54	21.93	0.000864	1.33	12.35	2.50	0.19
unico	16 PES 9	Q200	18.00	16.90	21.92	22.60	0.68	21.60	-0.32	18.64	22.02	0.000995	1.43	12.55	2.50	0.20
unico	16 PES 9	Q500	16.06	16.90	22.24	22.60	0.36	21.60	-0.64	18.51	22.31	0.000688	1.20	13.35	2.50	0.17
unico	14 PES 8	Q50	15.34	16.80	21.84	22.60	0.76	21.60	-0.24	18.36	21.92	0.000715	1.22	12.61	2.50	0.17
unico	14 PES 8	Q200	16.22	16.80	21.93	22.60	0.67	21.60	-0.33	18.42	22.01	0.000770	1.27	12.82	2.50	0.18
unico	14 PES 8	Q500	11.10	16.80	22.26	22.60	0.34	21.60	-0.66	18.06	22.30	0.000312	0.81	13.66	2.50	0.11
unico	10 PES 8	Q50	15.32	19.50	21.06	22.50	1.44	21.60	0.54	21.06	21.85	0.012078	3.92	3.91	2.50	1.00
unico	10 PES 8	Q200	16.18	19.50	21.12	22.50	1.38	21.60	0.48	21.12	21.93	0.012250	3.99	4.06	2.50	1.00
unico	10 PES 8	Q500	10.63	19.50	22.16	22.50	0.34	21.60	-0.56	20.73	22.29	0.001540	1.60	6.64	2.50	0.31
unico	9 PES 8	Q50	15.32	19.48	21.00	21.33	0.33	21.33	0.33	21.00	21.77	0.011633	3.87	3.96	2.60	1.00
unico	9 PES 8	Q200	16.18	19.48	21.06	21.33	0.27	21.33	0.27	21.06	21.85	0.011763	3.94	4.11	2.60	1.00
unico	9 PES 8	Q500	10.63	19.48	22.02	21.33	-0.69	21.33	-0.69	20.68	22.27	0.005372	2.21	4.81		0.44
unico	8.9	Q50	15.32	19.35	20.87	21.20	0.33	21.20	0.33	20.87	21.64	0.011628	3.87	3.96	2.60	1.00
unico	8.9	Q200	16.18	19.35	20.93	21.20	0.27	21.20	0.27	20.93	21.72	0.011792	3.94	4.11	2.60	1.00
unico	8.9	Q500	10.63	19.35	21.98	21.20	-0.78	21.20	-0.78	20.55	22.23	0.005369	2.21	4.81		0.43
unico	8 PES 7	Q50	15.32	19.33	20.32	21.63	1.31	21.63	1.31	20.32	20.81	0.007416	3.11	4.93	5.00	1.00
unico	8 PES 7	Q200	16.18	19.33	20.61	21.63	1.02	21.63	1.02	20.35	20.93	0.003884	2.53	6.39	5.00	0.72
unico	8 PES 7	Q500	10.63	19.33	22.12	21.63	-0.49	21.63	-0.49	20.10	22.17	0.000569	0.92	11.50		0.18
unico	7.7 PES 6	Q50	15.32	16.00	17.06	18.90	1.84	18.90	1.84	16.99	17.49	0.005974	2.89	5.31	5.00	0.89
unico	7.7 PES 6	Q200	16.18	16.00	20.65	18.90	-1.75	18.90	-1.75	17.02	20.72	0.000676	1.12	14.50		0.17
unico	7.7 PES 6	Q500	10.63	16.00	22.08	18.90	-3.18	18.90	-3.18	16.77	22.11	0.000292	0.73	14.50		0.09
unico	7.6 PES 5	Q50	15.32	15.99	16.97	19.19	2.22	19.19	2.22	16.97	17.47	0.007456	3.11	4.92	5.00	1.00
unico	7.6 PES 5	Q200	16.18	15.99	20.66	19.19	-1.47	19.19	-1.47	17.01	20.71	0.000512	1.01	16.00		0.15
unico	7.6 PES 5	Q500	10.63	15.99	22.08	19.19	-2.89	19.19	-2.89	16.76	22.11	0.000221	0.66	16.00		0.09
unico	7.5 PES 4	Q50	15.32	14.44	15.71	16.54	0.83	16.54	0.83	15.71	16.35	0.009229	3.54	4.33	3.40	1.00
unico	7.5 PES 4	Q200	16.18	14.44	20.31	16.54	-3.77	16.54	-3.77	15.76	20.58	0.004424	2.27	7.14		0.30
unico	7.5 PES 4	Q500	10.63	14.44	21.93	16.54	-5.39	16.54	-5.39	15.44	22.05	0.001909	1.49	7.14		0.17
unico	7.4 PES 4	Q50	15.32	14.42	15.70	16.72	1.02	16.72	1.02	15.70	16.33	0.009212	3.53	4.34	3.40	1.00
unico	7.4 PES 4	Q200	16.18	14.42	20.34	16.72	-3.62	16.72	-3.62	15.74	20.56	0.003426	2.07	7.82		0.27
unico	7.4 PES 4	Q500	10.63	14.42	21.95	16.72	-5.23	16.72	-5.23	15.42	22.04	0.001478	1.36	7.82		0.16

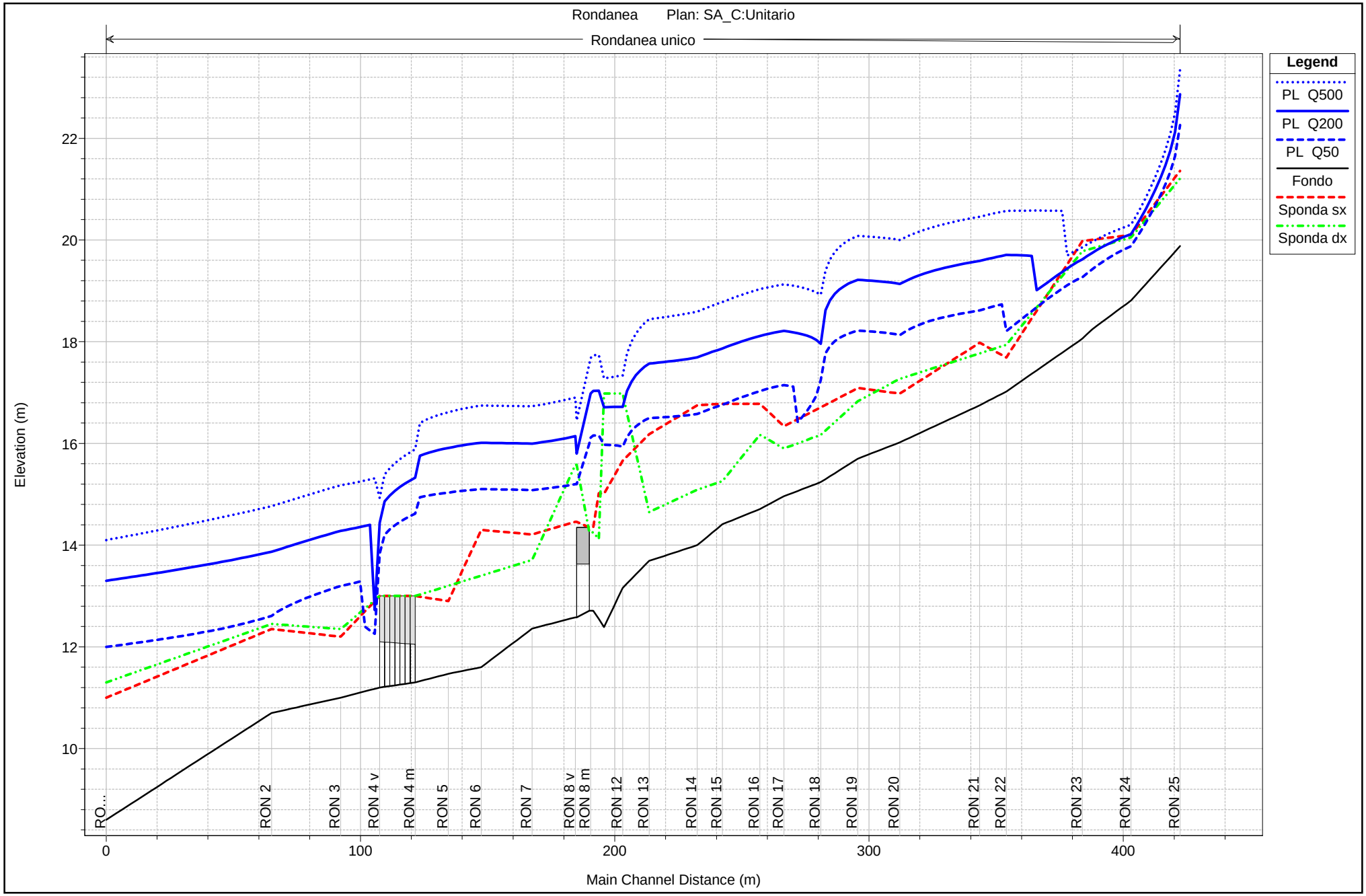
HEC-RAS Plan: 03_QDGR River: Pessa Reach: unico (Continued)

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	7.3 PES 3	Q50	15.32	13.75	15.58	15.85	0.27	15.85	0.27	15.00	15.87	0.003222	2.39	6.40	3.50	0.57
unico	7.3 PES 3	Q200	16.18	13.75	20.20	15.85	-4.35	15.85	-4.35	15.05	20.44	0.004116	2.20	7.35		0.28
unico	7.3 PES 3	Q500	10.63	13.75	21.88	15.85	-6.03	15.85	-6.03	14.73	21.99	0.001776	1.45	7.35		0.16
unico	5 PES 2	Q50	15.32	10.47	14.95	12.47	-2.48	12.47	-2.48	11.72	15.19	0.004236	2.19	7.00		0.33
unico	5 PES 2	Q200	16.18	10.47	19.42	12.47	-6.95	12.47	-6.95	11.77	19.69	0.004725	2.31	7.00		0.25
unico	5 PES 2	Q500	10.63	10.47	21.55	12.47	-9.08	12.47	-9.08	11.45	21.67	0.002039	1.52	7.00		0.15
unico	4 PES 2	Q50	15.32	10.44	14.72	12.44	-2.28	12.44	-2.28	11.96	15.16	0.008990	2.95	5.20		0.45
unico	4 PES 2	Q200	16.18	10.44	19.16	12.44	-6.72	12.44	-6.72	12.02	19.66	0.010030	3.11	5.20		0.34
unico	4 PES 2	Q500	10.63	10.44	21.44	12.44	-9.00	12.44	-9.00	11.63	21.65	0.004328	2.04	5.20		0.20
unico	3 PES 1	Q50	15.32	10.25	14.87	12.75	-2.12	12.75	-2.12	11.52	15.04	0.002435	1.80	8.50		0.27
unico	3 PES 1	Q200	16.18	10.25	19.34	12.75	-6.59	12.75	-6.59	11.57	19.52	0.002717	1.90	8.50		0.20
unico	3 PES 1	Q500	10.63	10.25	21.51	12.75	-8.76	12.75	-8.76	11.25	21.59	0.001172	1.25	8.50		0.12

RIO RONDANEA

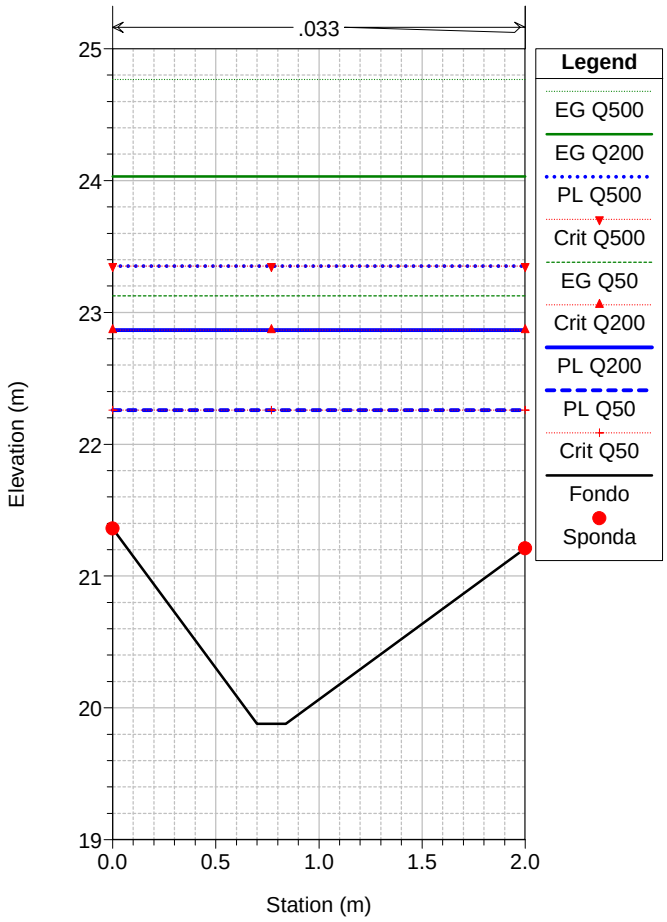
DALLA SEZIONE RON25 ALLA RON1

- PROFILI DI CORRENTE
- SEZIONI IDRAULICHE
- TABELLE DEI RISULTATI

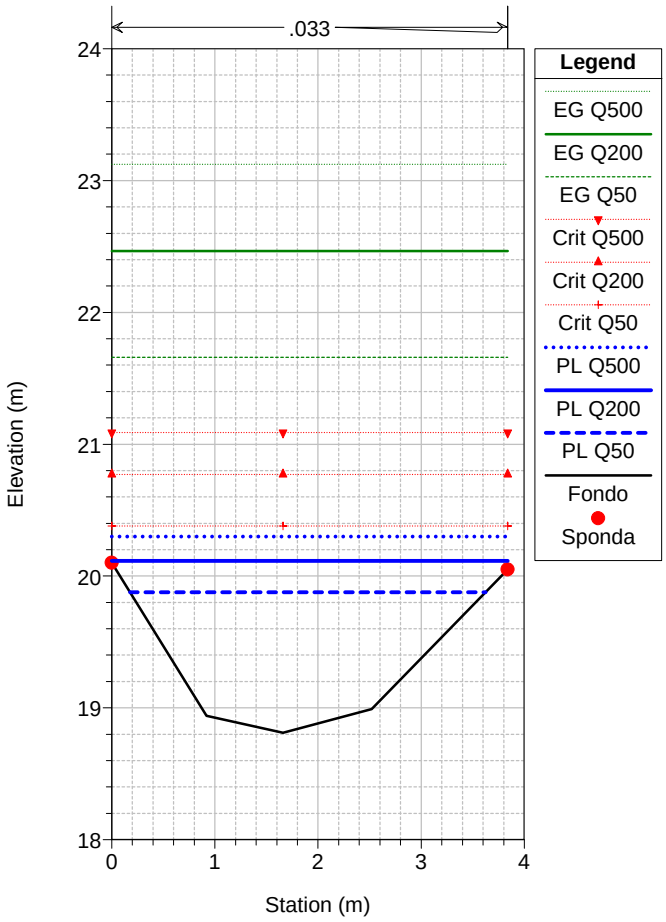


1 cm Horiz. = 20 m 1 cm Vert. = 1 m

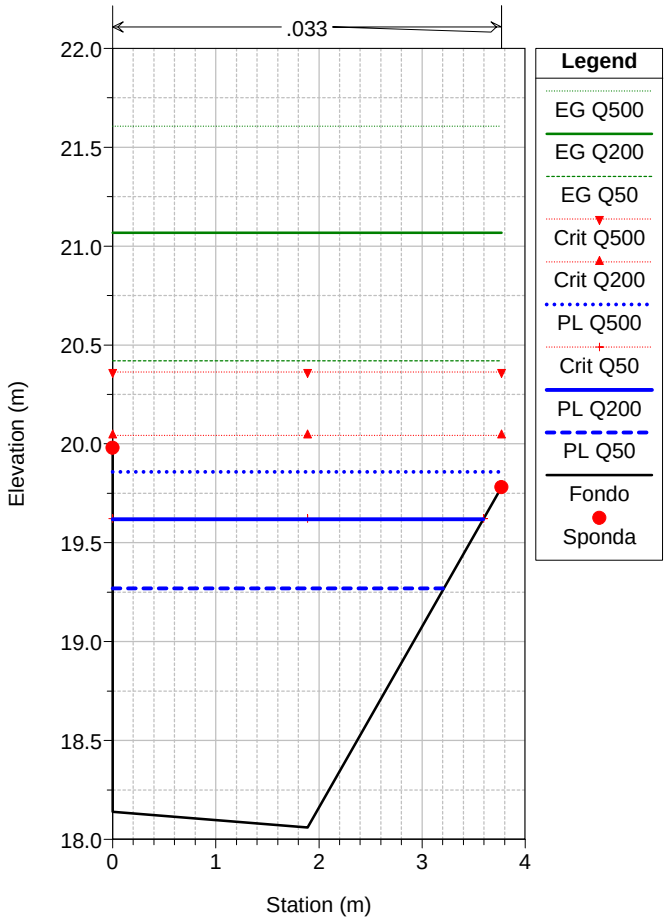
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 25



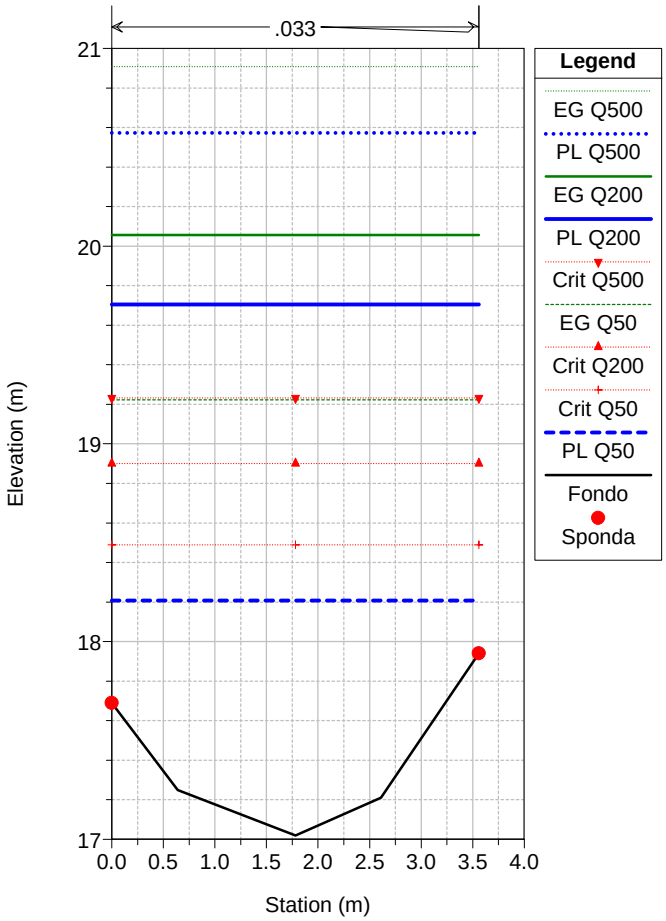
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 24



Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 23

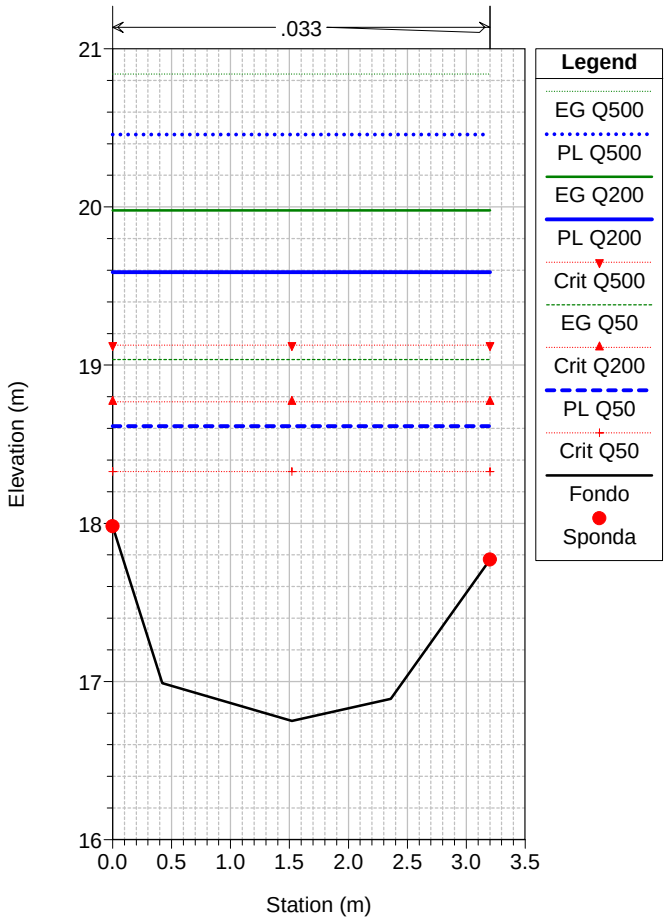


Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 22



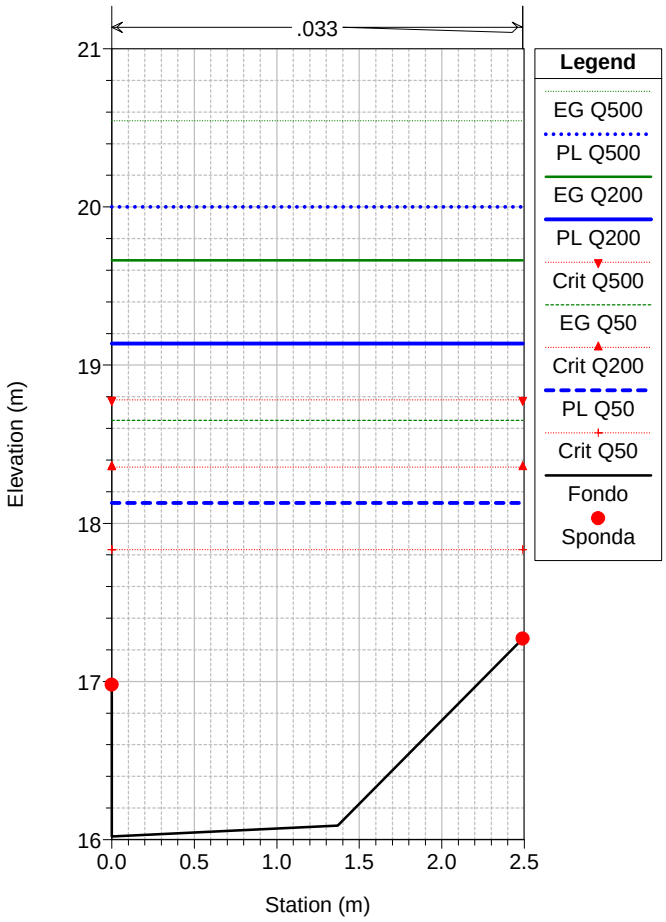
Rondanea Plan: SA_C:Unitario

River = Rondanea Reach = unico RON 21



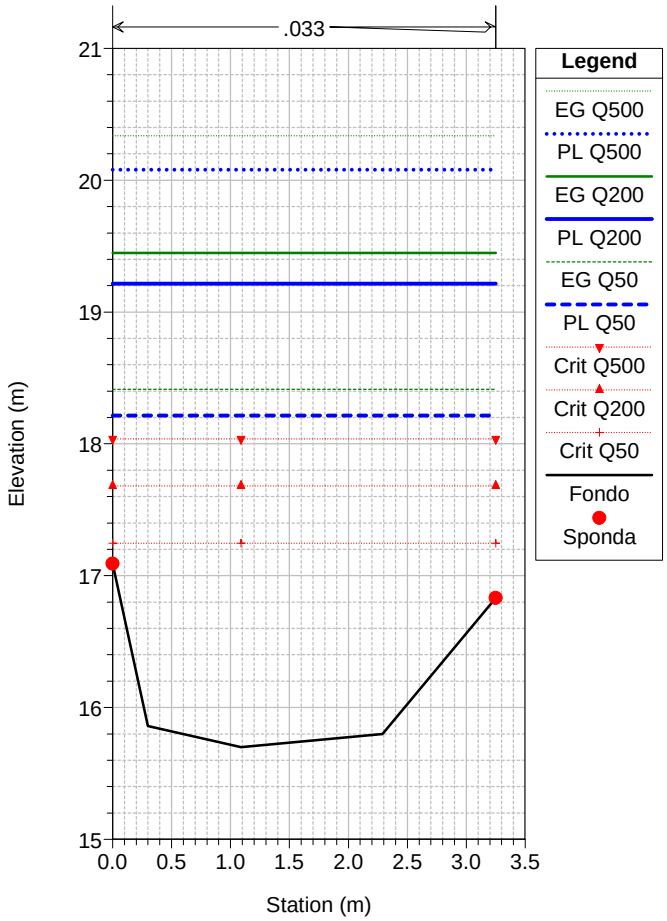
Rondanea Plan: SA_C:Unitario

River = Rondanea Reach = unico RON 20



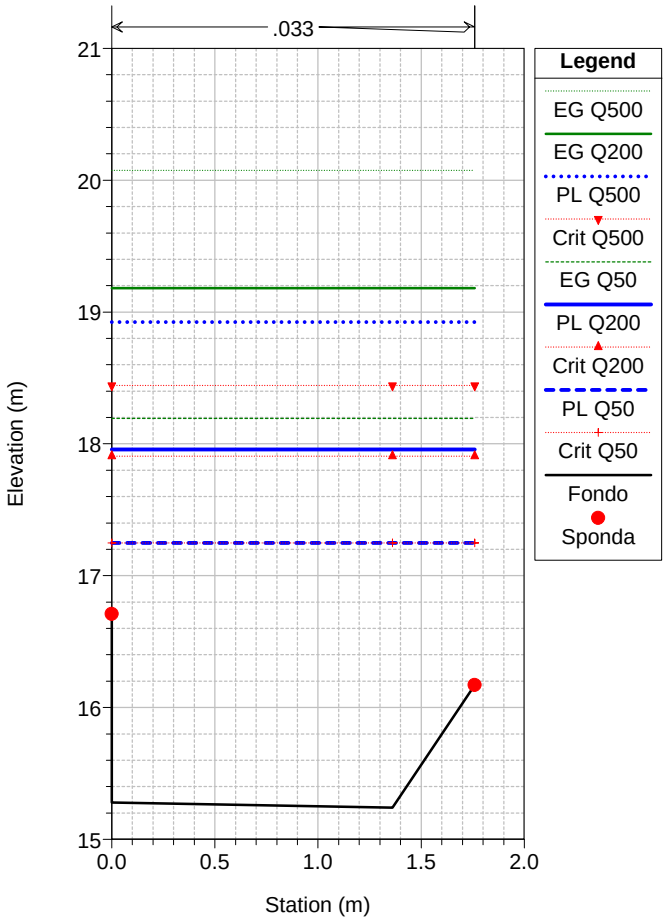
Rondanea Plan: SA_C:Unitario

River = Rondanea Reach = unico RON 19

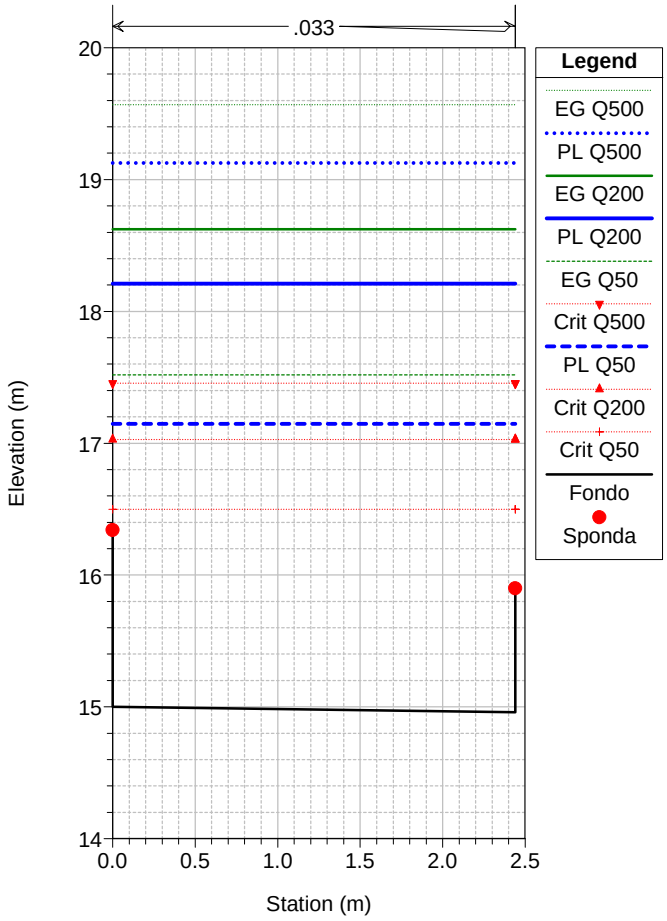


Rondanea Plan: SA_C:Unitario

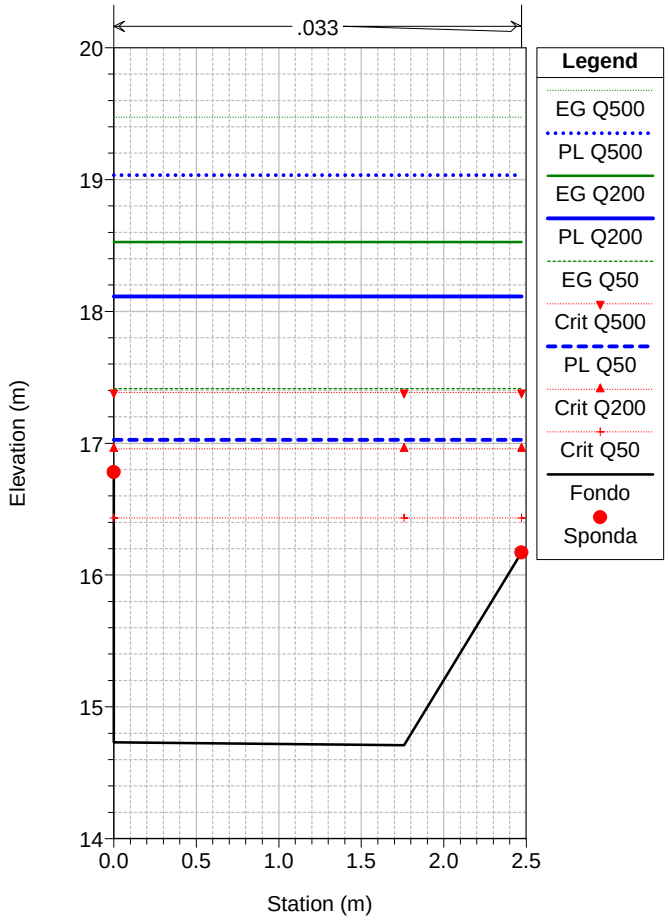
River = Rondanea Reach = unico RON 18



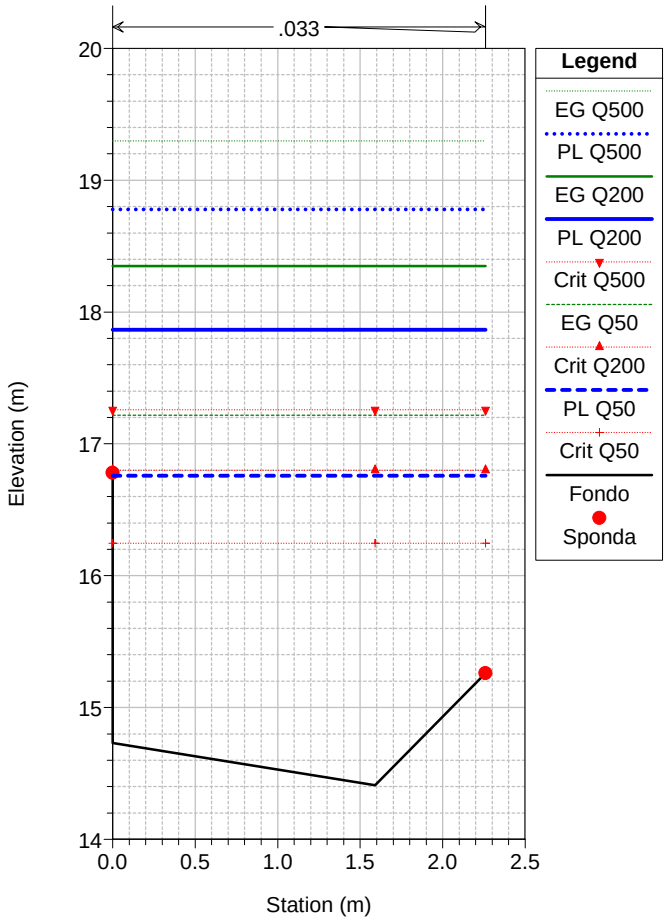
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 17



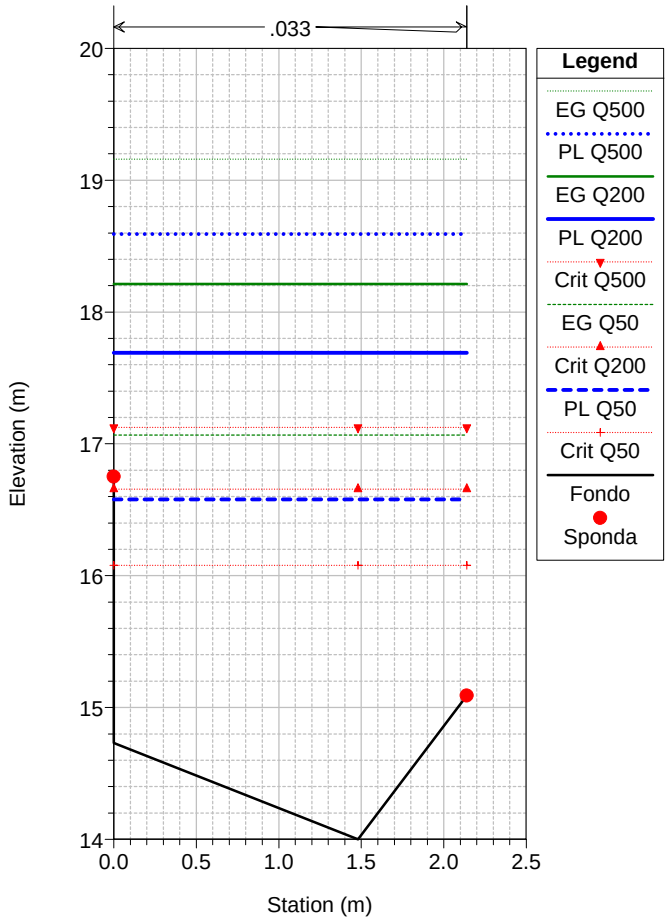
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 16



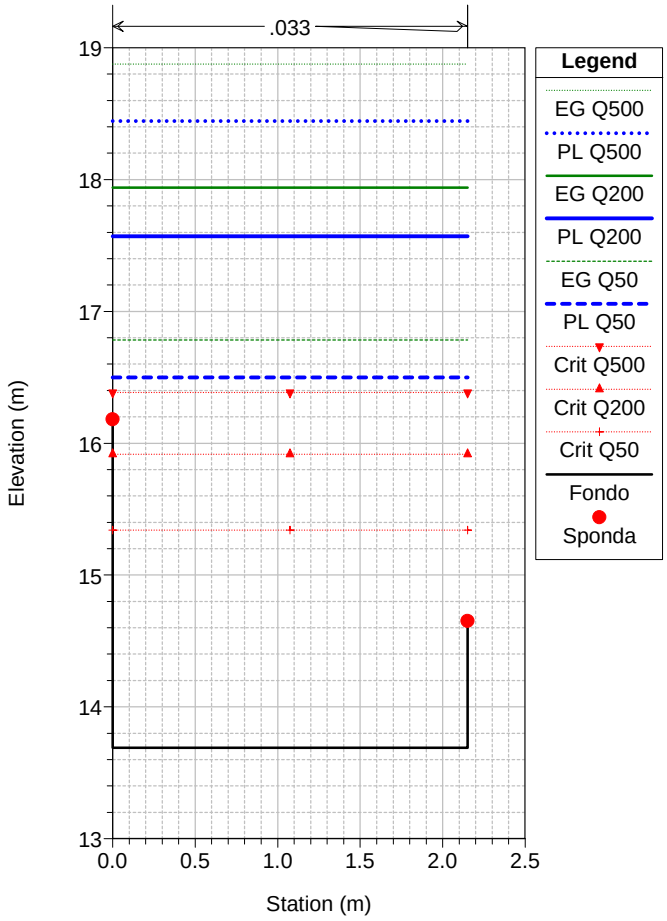
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 15



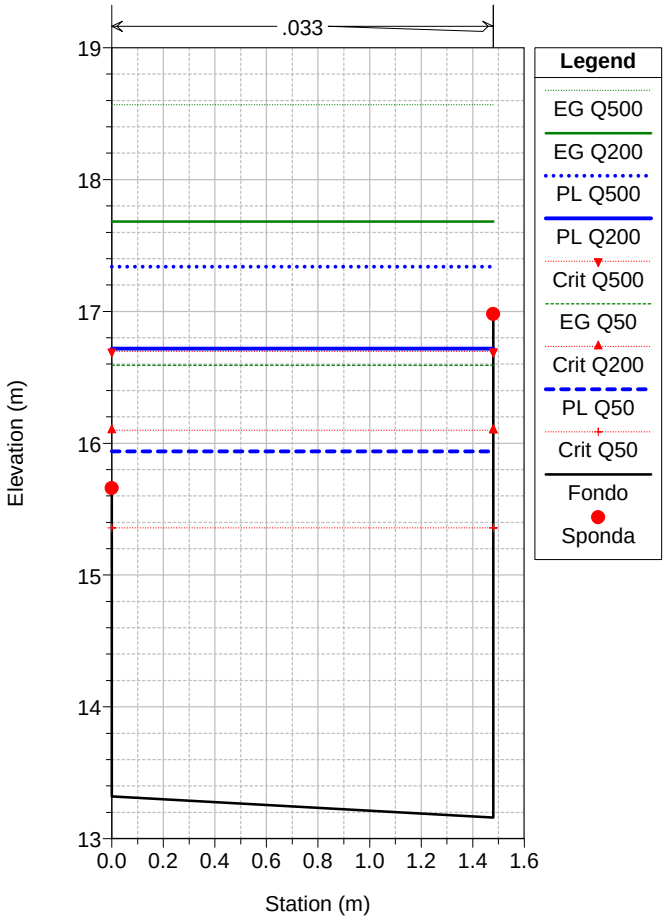
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 14



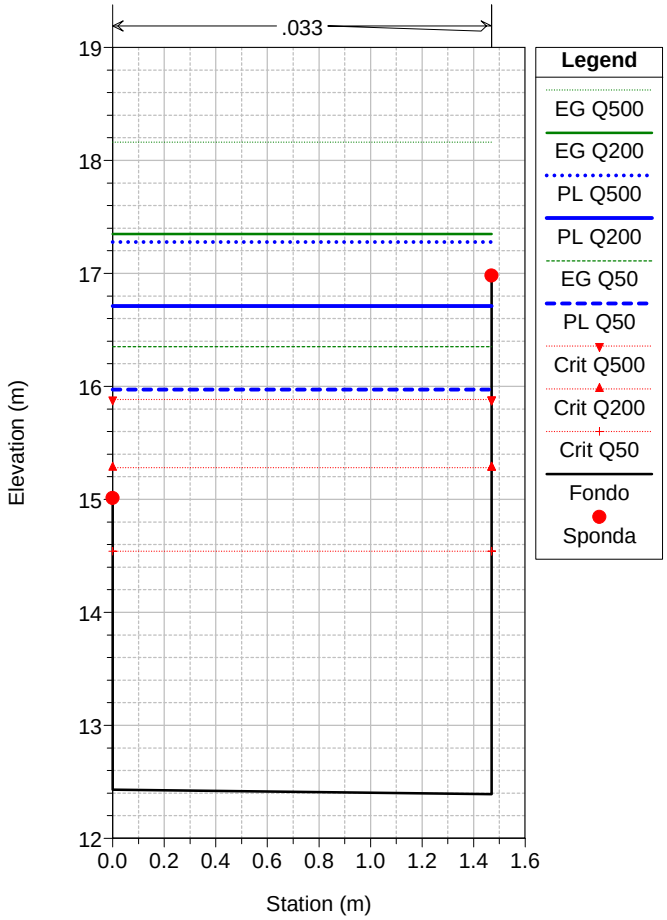
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 13



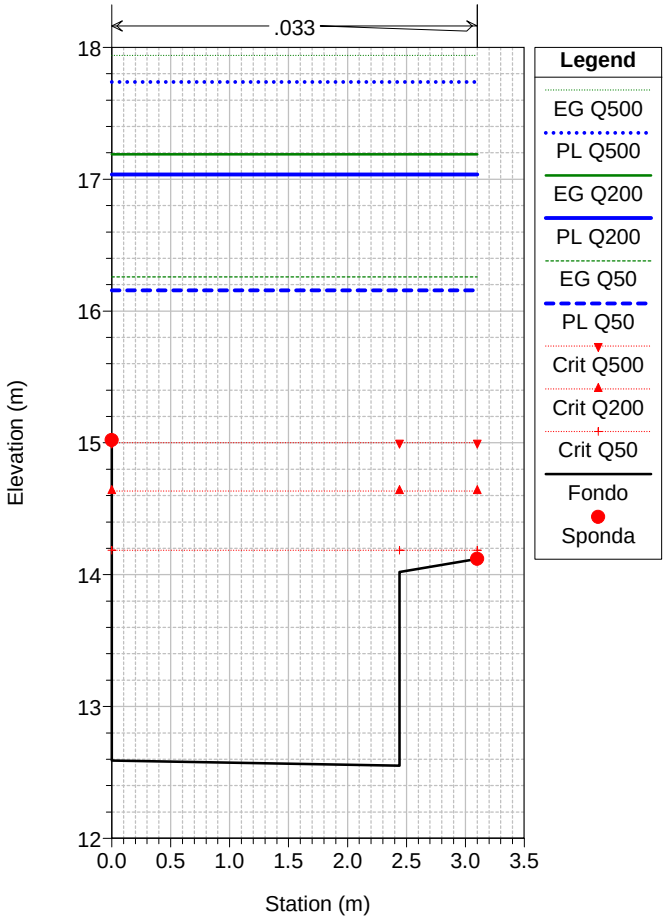
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 12

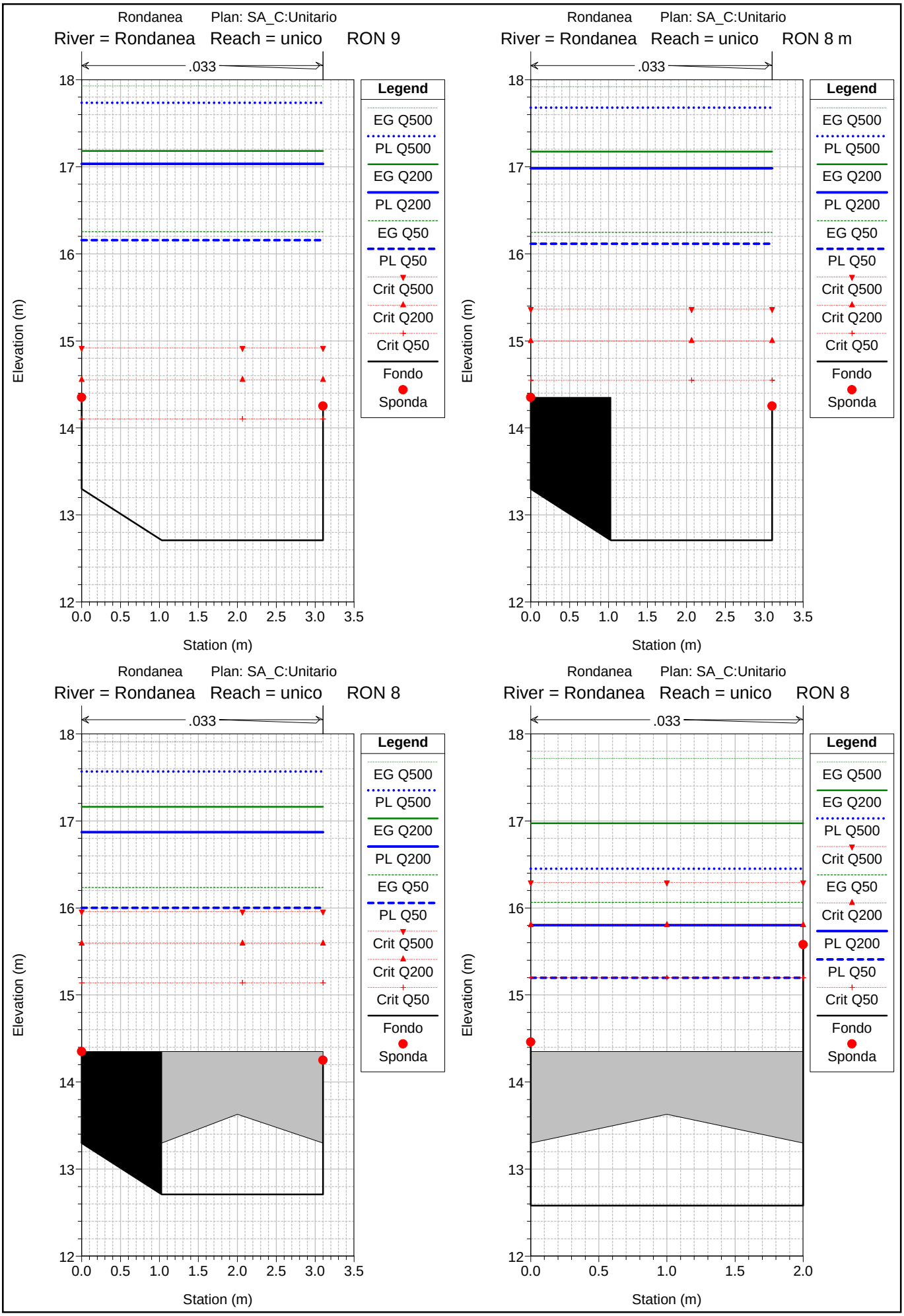


Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 11

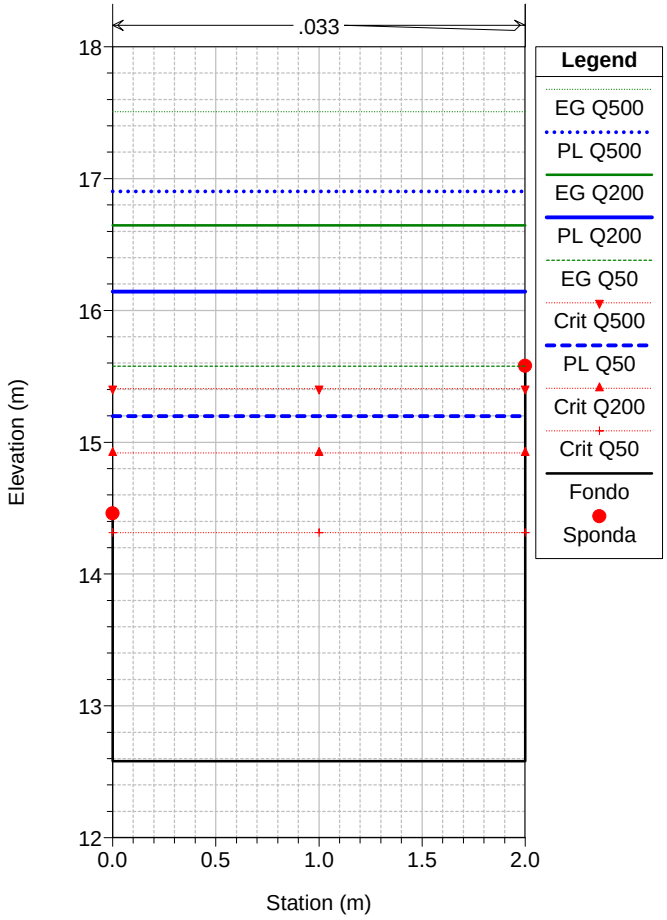


Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 10

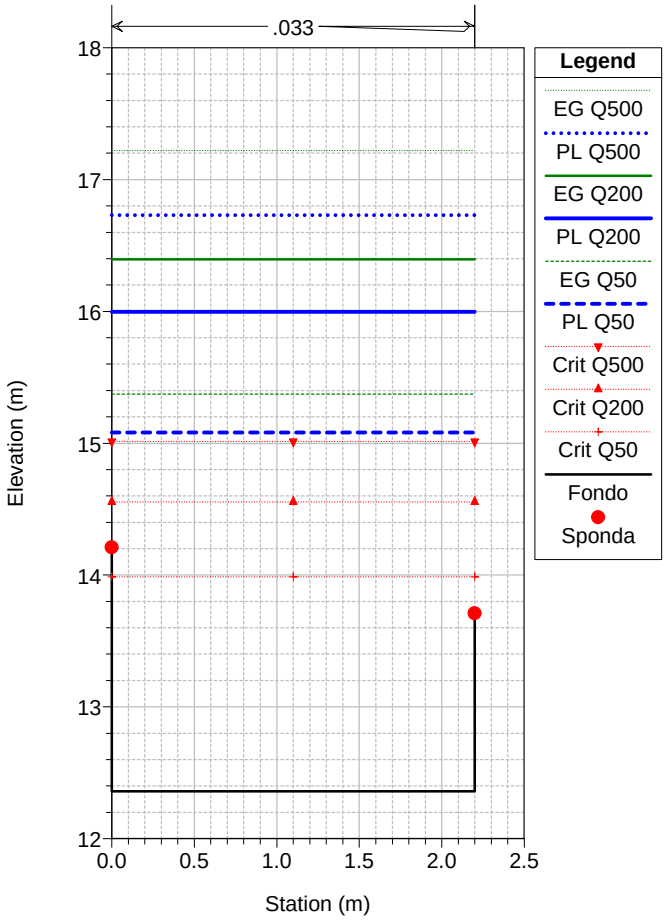



Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 9
.033
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 8 m
.033
Legend
EG Q500
PL Q500
EG Q200
PL Q200
EG Q50
PL Q50
Crit Q500
Crit Q200
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 8
.033
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)
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 8
.033
Legend
EG Q500
EG Q200
PL Q500
Crit Q500
EG Q50
Crit Q200
PL Q200
PL Q50
Crit Q50
Fondo
Sponda
Elevation (m)
Station (m)

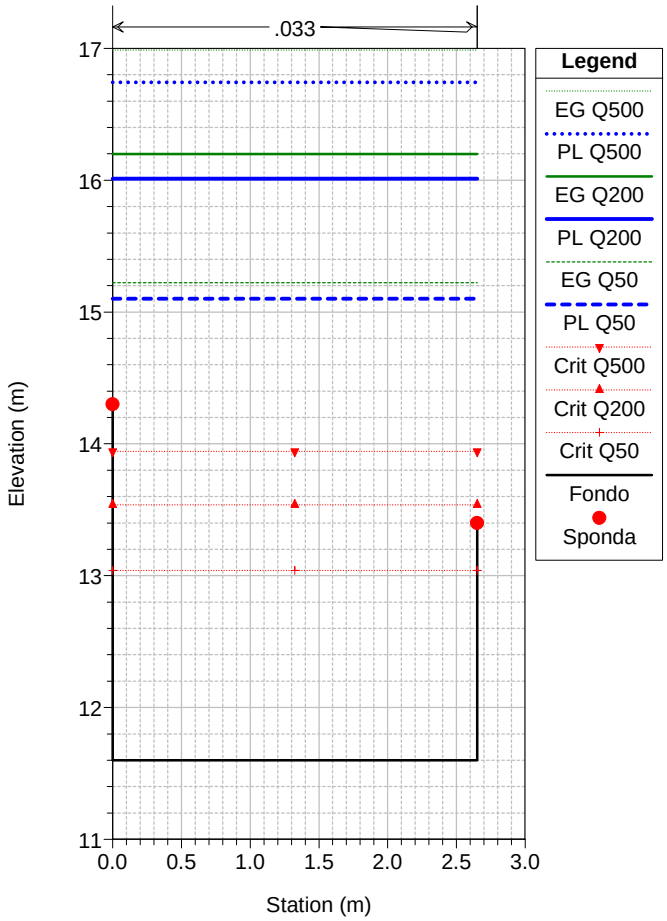
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 8 v



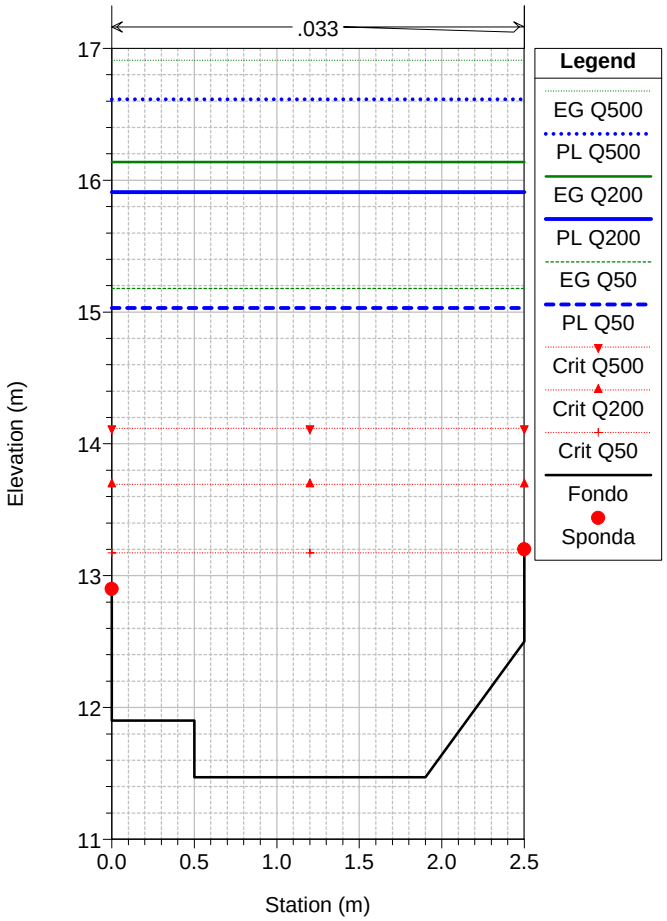
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 7



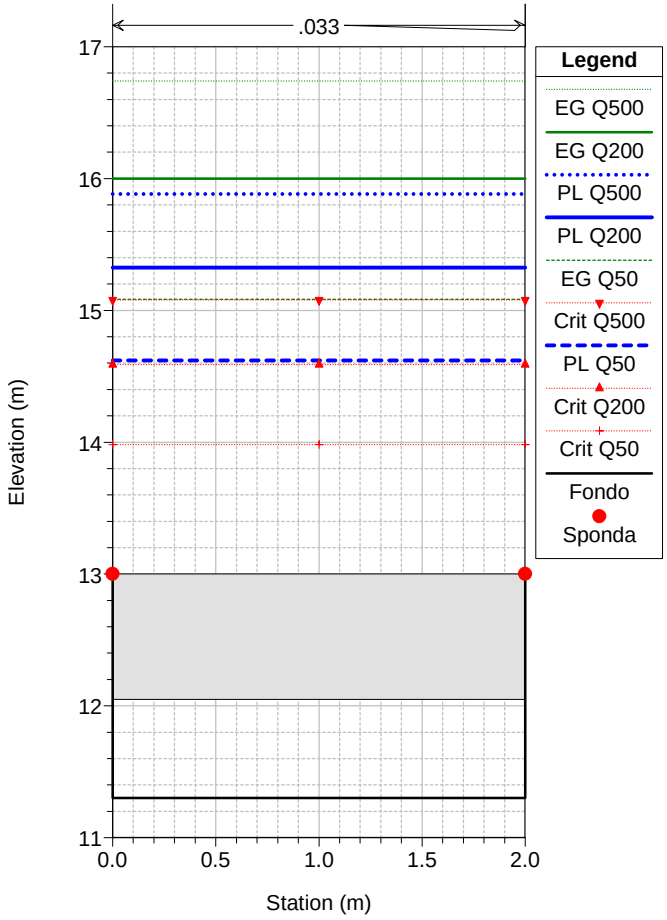
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 6



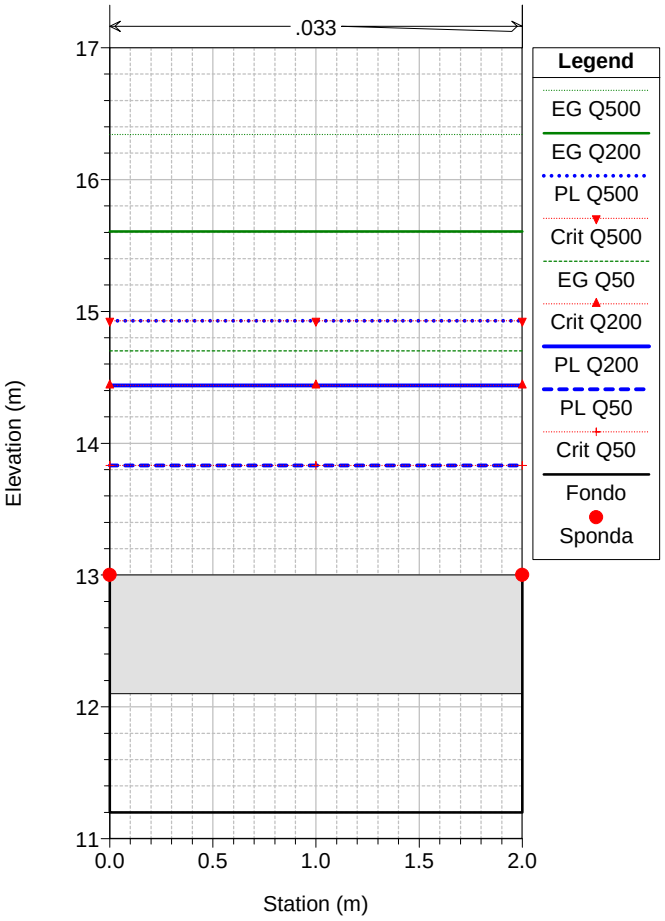
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 5



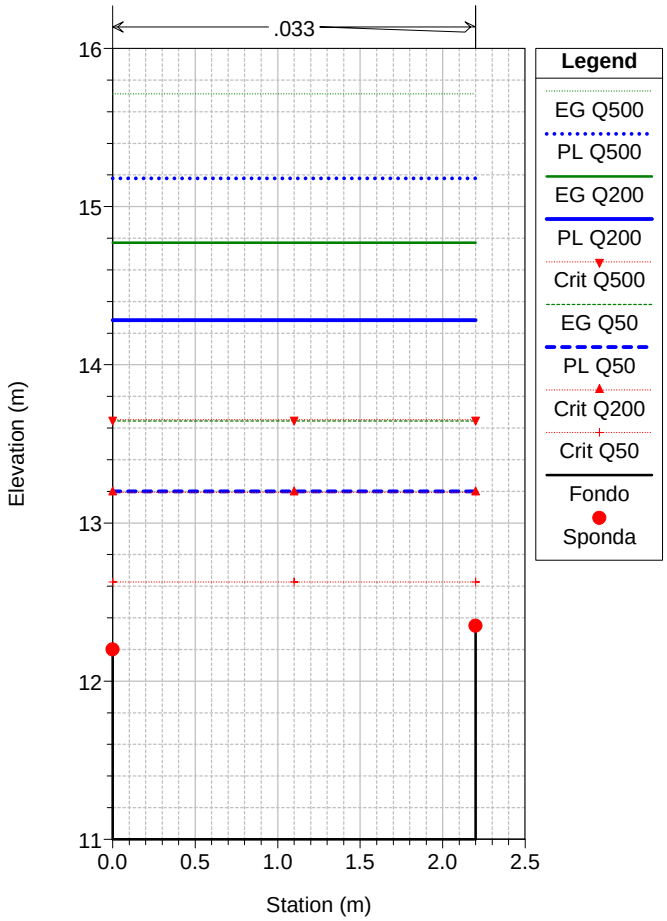
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 4 m



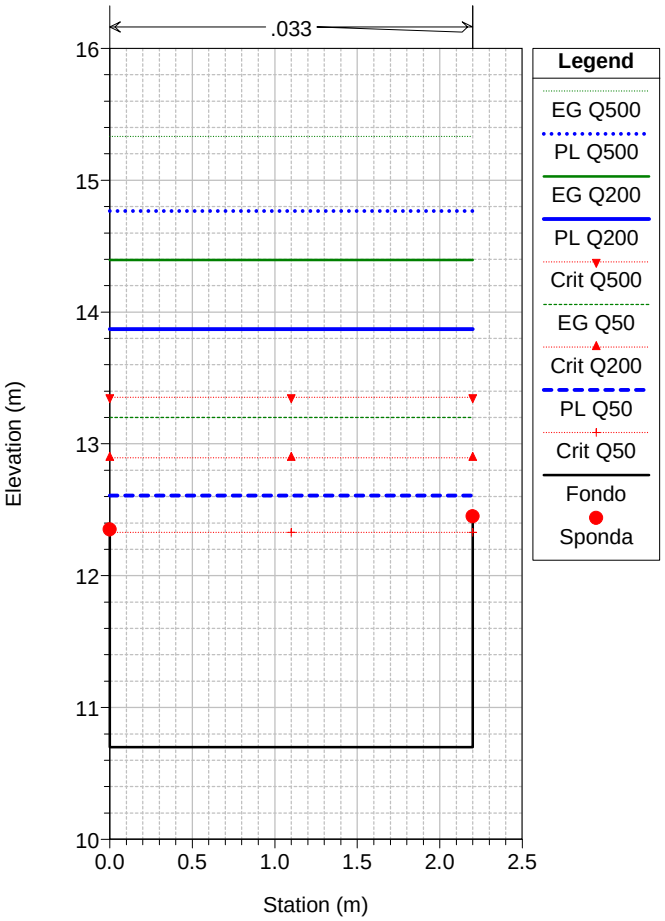
Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 4 v

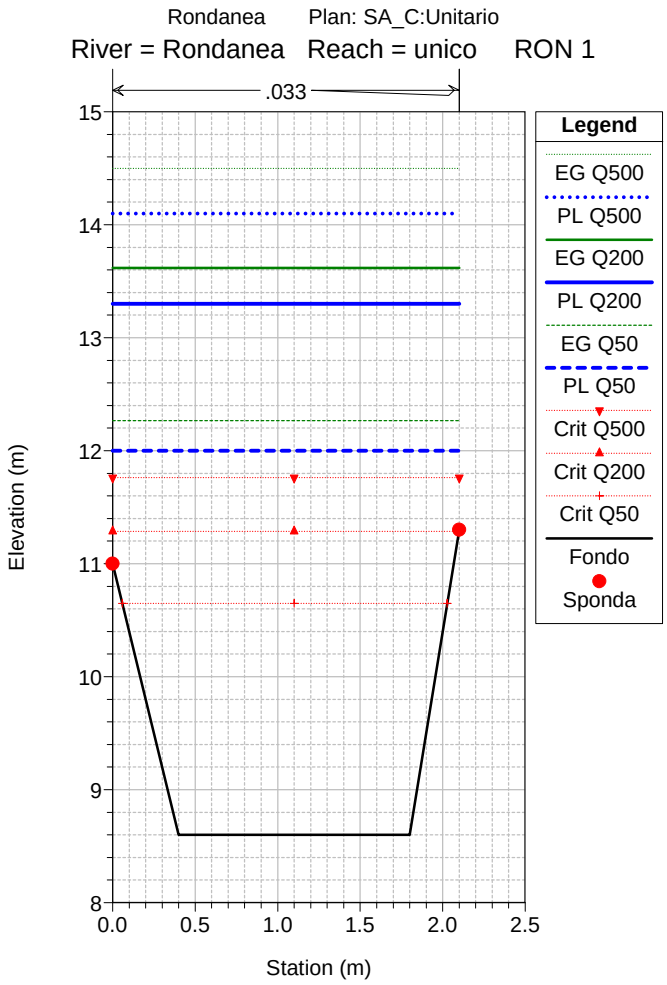


Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 3



Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 2




Rondanea Plan: SA_C:Unitario
River = Rondanea Reach = unico RON 1
.033
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)
15
14
13
12
11
10
9
8
0.0
0.5
1.0
1.5
2.0
2.5

HEC-RAS Plan: SA_CU River: Rondanea 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	117 RON 25	Q50	14.30	19.88	22.26	21.36	-0.90	21.21	-1.05	22.26	23.12	0.034132	4.12	3.47	2.00	1.00
unico	117 RON 25	Q200	22.40	19.88	22.86	21.36	-1.50	21.21	-1.65	22.86	24.03	0.040268	4.79	4.68	2.00	1.00
unico	117 RON 25	Q500	29.80	19.88	23.35	21.36	-1.99	21.21	-2.14	23.35	24.77	0.045457	5.27	5.65	2.00	1.00
unico	116 RON 24	Q50	14.30	18.81	19.88	20.10	0.22	20.05	0.17	20.38	21.66	0.080545	5.91	2.42	3.45	2.25
unico	116 RON 24	Q200	22.40	18.81	20.12	20.10	-0.02	20.05	-0.07	20.77	22.47	0.084826	6.79	3.30	3.84	2.34
unico	116 RON 24	Q500	29.80	18.81	20.30	20.10	-0.20	20.05	-0.25	21.09	23.12	0.086784	7.45	4.00	3.84	2.33
unico	115 RON 23	Q50	14.30	18.06	19.27	19.98	0.71	19.78	0.51	19.62	20.42	0.045969	4.75	3.01	3.21	1.57
unico	115 RON 23	Q200	22.40	18.06	19.62	19.98	0.36	19.78	0.16	20.04	21.07	0.046342	5.33	4.20	3.59	1.57
unico	115 RON 23	Q500	29.80	18.06	19.86	19.98	0.12	19.78	-0.08	20.36	21.61	0.049090	5.86	5.08	3.77	1.61
unico	114 RON 22	Q50	14.30	17.02	18.21	17.69	-0.52	17.94	-0.27	18.49	19.22	0.036968	4.46	3.20	3.56	1.50
unico	114 RON 22	Q200	22.40	17.02	19.71	17.69	-2.02	17.94	-1.77	18.90	20.06	0.006616	2.62	8.54	3.56	0.54
unico	114 RON 22	Q500	29.80	17.02	20.57	17.69	-2.88	17.94	-2.63	19.23	20.91	0.005473	2.56	11.62	3.56	0.45
unico	113 RON 21	Q50	14.30	16.75	18.62	17.98	-0.64	17.77	-0.85	18.33	19.03	0.010861	2.87	4.98	3.20	0.73
unico	113 RON 21	Q200	22.40	16.75	19.59	17.98	-1.61	17.77	-1.82	18.77	19.98	0.007794	2.77	8.10	3.20	0.56
unico	113 RON 21	Q500	29.80	16.75	20.46	17.98	-2.48	17.77	-2.69	19.13	20.84	0.006760	2.74	10.88	3.20	0.47
unico	112 RON 20	Q50	14.30	16.02	18.13	16.98	-1.15	17.27	-0.86	17.83	18.65	0.016455	3.20	4.46	2.49	0.76
unico	112 RON 20	Q200	22.40	16.02	19.14	16.98	-2.16	17.27	-1.87	18.36	19.66	0.013462	3.21	6.97	2.49	0.61
unico	112 RON 20	Q500	29.80	16.02	20.00	16.98	-3.02	17.27	-2.73	18.78	20.54	0.012618	3.27	9.13	2.49	0.54
unico	111 RON 19	Q50	14.30	15.70	18.22	17.09	-1.13	16.83	-1.39	17.25	18.41	0.004233	1.98	7.23	3.25	0.42
unico	111 RON 19	Q200	22.40	15.70	19.22	17.09	-2.13	16.83	-2.39	17.68	19.45	0.004178	2.14	10.48	3.25	0.38
unico	111 RON 19	Q500	29.80	15.70	20.08	17.09	-2.99	16.83	-3.25	18.04	20.34	0.004216	2.24	13.29	3.25	0.35
unico	110 RON 18	Q50	14.30	15.24	17.25	16.71	-0.54	16.17	-1.08	17.25	18.19	0.038734	4.30	3.32	1.76	1.00
unico	110 RON 18	Q200	22.40	15.24	17.96	16.71	-1.25	16.17	-1.79	17.91	19.18	0.044775	4.90	4.57	1.76	0.97
unico	110 RON 18	Q500	29.80	15.24	18.92	16.71	-2.21	16.17	-2.75	18.44	20.07	0.038478	4.75	6.27	1.76	0.80
unico	109 RON 17	Q50	14.30	14.96	17.15	16.34	-0.81	15.90	-1.25	16.50	17.52	0.011095	2.71	5.29	2.44	0.59
unico	109 RON 17	Q200	22.40	14.96	18.21	16.34	-1.87	15.90	-2.31	17.03	18.62	0.010335	2.84	7.88	2.44	0.50
unico	109 RON 17	Q500	29.80	14.96	19.13	16.34	-2.79	15.90	-3.23	17.46	19.57	0.010222	2.95	10.12	2.44	0.46
unico	108 RON 16	Q50	14.30	14.71	17.03	16.78	-0.25	16.17	-0.86	16.43	17.41	0.011277	2.76	5.19	2.47	0.61
unico	108 RON 16	Q200	22.40	14.71	18.11	16.78	-1.33	16.17	-1.94	16.96	18.53	0.010099	2.85	7.87	2.47	0.51
unico	108 RON 16	Q500	29.80	14.71	19.03	16.78	-2.25	16.17	-2.86	17.38	19.47	0.009908	2.94	10.14	2.47	0.46
unico	107 RON 15	Q50	14.30	14.41	16.76	16.78	0.02	15.26	-1.50	16.25	17.22	0.013979	3.00	4.77	2.26	0.66
unico	107 RON 15	Q200	22.40	14.41	17.87	16.78	-1.09	15.26	-2.61	16.80	18.35	0.012611	3.08	7.27	2.26	0.55
unico	107 RON 15	Q500	29.80	14.41	18.78	16.78	-2.00	15.26	-3.52	17.26	19.30	0.012602	3.19	9.34	2.26	0.50
unico	106 RON 14	Q50	14.30	14.00	16.58	16.75	0.17	15.09	-1.49	16.08	17.07	0.015655	3.10	4.62	2.14	0.67
unico	106 RON 14	Q200	22.40	14.00	17.69	16.75	-0.94	15.09	-2.60	16.66	18.21	0.014426	3.20	7.00	2.14	0.56
unico	106 RON 14	Q500	29.80	14.00	18.59	16.75	-1.84	15.09	-3.50	17.13	19.16	0.014667	3.34	8.93	2.14	0.52
unico	105 RON 13	Q50	14.30	13.69	16.50	16.18	-0.32	14.65	-1.85	15.34	16.78	0.008545	2.37	6.04	2.15	0.45

HEC-RAS Plan: SA_CU River: Rondanea 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	105 RON 13	Q200	22.40	13.69	17.57	16.18	-1.39	14.65	-2.92	15.92	17.94	0.009873	2.68	8.34	2.15	0.43
unico	105 RON 13	Q500	29.80	13.69	18.44	16.18	-2.26	14.65	-3.79	16.39	18.88	0.011035	2.92	10.22	2.15	0.43
unico	104 RON 12	Q50	14.30	13.16	15.94	15.66	-0.28	16.98	1.04	15.36	16.59	0.028880	3.58	3.99	1.48	0.70
unico	104 RON 12	Q200	22.40	13.16	16.72	15.66	-1.06	16.98	0.26	16.10	17.68	0.039893	4.35	5.15	1.48	0.74
unico	104 RON 12	Q500	29.80	13.16	17.34	15.66	-1.68	16.98	-0.36	16.70	18.57	0.049051	4.91	6.07	1.48	0.77
unico	103 RON 11	Q50	14.30	12.39	15.97	15.01	-0.96	16.98	1.01	14.54	16.35	0.015719	2.73	5.24	1.47	0.46
unico	103 RON 11	Q200	22.40	12.39	16.71	15.01	-1.70	16.98	0.27	15.28	17.35	0.025450	3.54	6.32	1.47	0.55
unico	103 RON 11	Q500	29.80	12.39	17.28	15.01	-2.27	16.98	-0.30	15.88	18.16	0.034363	4.17	7.15	1.47	0.60
unico	102 RON 10	Q50	14.30	12.55	16.16	15.02	-1.14	14.12	-2.04	14.19	16.26	0.002184	1.41	10.13	3.10	0.25
unico	102 RON 10	Q200	22.40	12.55	17.04	15.02	-2.02	14.12	-2.92	14.63	17.19	0.002998	1.74	12.85	3.10	0.27
unico	102 RON 10	Q500	29.80	12.55	17.74	15.02	-2.72	14.12	-3.62	15.00	17.94	0.003651	1.98	15.03	3.10	0.29
unico	101 RON 9	Q50	14.30	12.71	16.16	14.35	-1.81	14.25	-1.91	14.10	16.25	0.001851	1.38	10.38	3.10	0.24
unico	101 RON 9	Q200	22.40	12.71	17.03	14.35	-2.68	14.25	-2.78	14.55	17.18	0.002620	1.71	13.10	3.10	0.27
unico	101 RON 9	Q500	29.80	12.71	17.74	14.35	-3.39	14.25	-3.49	14.92	17.93	0.003246	1.95	15.27	3.10	0.28
unico	100.9 RON 8 m	Q50	14.30	12.71	16.11	14.35	-1.76	14.25	-1.86	14.55	16.25	0.003285	1.61	8.87	3.10	0.30
unico	100.9 RON 8 m	Q200	22.40	12.71	16.98	14.35	-2.63	14.25	-2.73	15.00	17.17	0.004132	1.94	11.56	3.10	0.32
unico	100.9 RON 8 m	Q500	29.80	12.71	17.68	14.35	-3.33	14.25	-3.43	15.37	17.92	0.004802	2.17	13.72	3.10	0.33
unico	100.8 RON 8		Bridge													
unico	100.5 RON 8 v	Q50	14.30	12.58	15.20	14.46	-0.74	15.58	0.38	14.31	15.58	0.012504	2.73	5.24	2.00	0.54
unico	100.5 RON 8 v	Q200	22.40	12.58	16.14	14.46	-1.68	15.58	-0.56	14.92	16.65	0.014979	3.14	7.12	2.00	0.53
unico	100.5 RON 8 v	Q500	29.80	12.58	16.90	14.46	-2.44	15.58	-1.32	15.41	17.51	0.017083	3.45	8.64	2.00	0.53
unico	100.4 RON 7	Q50	14.30	12.36	15.08	14.21	-0.87	13.71	-1.37	13.99	15.37	0.008595	2.39	5.99	2.20	0.46
unico	100.4 RON 7	Q200	22.40	12.36	16.00	14.21	-1.79	13.71	-2.29	14.55	16.40	0.010697	2.80	8.00	2.20	0.47
unico	100.4 RON 7	Q500	29.80	12.36	16.73	14.21	-2.52	13.71	-3.02	15.01	17.22	0.012425	3.10	9.62	2.20	0.47
unico	95 RON 6	Q50	14.30	11.60	15.10	14.30	-0.80	13.40	-1.70	13.04	15.22	0.002728	1.54	9.28	2.65	0.26
unico	95 RON 6	Q200	22.40	11.60	16.01	14.30	-1.71	13.40	-2.61	13.54	16.20	0.003898	1.92	11.69	2.65	0.29
unico	95 RON 6	Q500	29.80	11.60	16.74	14.30	-2.44	13.40	-3.34	13.94	16.99	0.004855	2.19	13.63	2.65	0.31
unico	92 RON 5	Q50	14.30	11.47	15.03	12.90	-2.13	13.20	-1.83	13.17	15.18	0.003585	1.71	8.38	2.50	0.30
unico	92 RON 5	Q200	22.40	11.47	15.91	12.90	-3.01	13.20	-2.71	13.69	16.14	0.005114	2.12	10.57	2.50	0.33
unico	92 RON 5	Q500	29.80	11.47	16.61	12.90	-3.71	13.20	-3.41	14.12	16.91	0.006365	2.42	12.34	2.50	0.35
unico	90 RON 4 m	Q50	14.30	11.30	14.62	12.05	-2.57	12.05	-2.57	13.98	15.08	0.018285	3.02	4.74	2.00	0.53
unico	90 RON 4 m	Q200	22.40	11.30	15.33	12.05	-3.28	12.05	-3.28	14.59	16.00	0.018818	3.64	6.15	2.00	0.58
unico	90 RON 4 m	Q500	29.80	11.30	15.88	12.05	-3.83	12.05	-3.83	15.08	16.74	0.019091	4.10	7.27	2.00	0.61
unico	80 RON 4 v	Q50	14.30	11.20	13.83	12.10	-1.73	12.10	-1.73	13.83	14.70	0.054905	4.13	3.46	2.00	0.81
unico	80 RON 4 v	Q200	22.40	11.20	14.44	12.10	-2.34	12.10	-2.34	14.44	15.61	0.049452	4.79	4.68	2.00	0.85
unico	80 RON 4 v	Q500	29.80	11.20	14.93	12.10	-2.83	12.10	-2.83	14.93	16.34	0.046375	5.27	5.66	2.00	0.87

HEC-RAS Plan: SA_CU River: Rondanea 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	70 RON 3	Q50	14.30	11.00	13.20	12.20	-1.00	12.35	-0.85	12.63	13.64	0.014392	2.96	4.84	2.20	0.64
unico	70 RON 3	Q200	22.40	11.00	14.28	12.20	-2.08	12.35	-1.93	13.19	14.77	0.013563	3.10	7.22	2.20	0.55
unico	70 RON 3	Q500	29.80	11.00	15.18	12.20	-2.98	12.35	-2.83	13.65	15.71	0.013764	3.24	9.19	2.20	0.51
unico	60 RON 2	Q50	14.30	10.70	12.61	12.35	-0.26	12.45	-0.16	12.33	13.20	0.020412	3.41	4.20	2.20	0.79
unico	60 RON 2	Q200	22.40	10.70	13.87	12.35	-1.52	12.45	-1.42	12.89	14.40	0.014724	3.21	6.97	2.20	0.58
unico	60 RON 2	Q500	29.80	10.70	14.77	12.35	-2.42	12.45	-2.32	13.35	15.33	0.014639	3.33	8.95	2.20	0.53
unico	50 RON 1	Q50	14.30	8.60	12.00	11.00	-1.00	11.30	-0.70	10.65	12.27	0.008230	2.29	6.26	2.10	0.42
unico	50 RON 1	Q200	22.40	8.60	13.30	11.00	-2.30	11.30	-2.00	11.28	13.62	0.008702	2.49	8.99	2.10	0.38
unico	50 RON 1	Q500	29.80	8.60	14.10	11.00	-3.10	11.30	-2.80	11.76	14.50	0.010448	2.79	10.67	2.10	0.40