PROVINCIA DI OLBIA TEMPIO
COMUNE SAN TEODORO

ADEGUAMENTO DEL PIANO URBANISTICO COMUNALE AL P.A.I.
PERIMETRAZIONE DELLE AREE A PERICOLOSITA' IDRAULICA IN APPLICAZIONE DELL'ART.8 COMMA 2 DELLE NORME DI ATTUAZIONE DEL P.A.I.

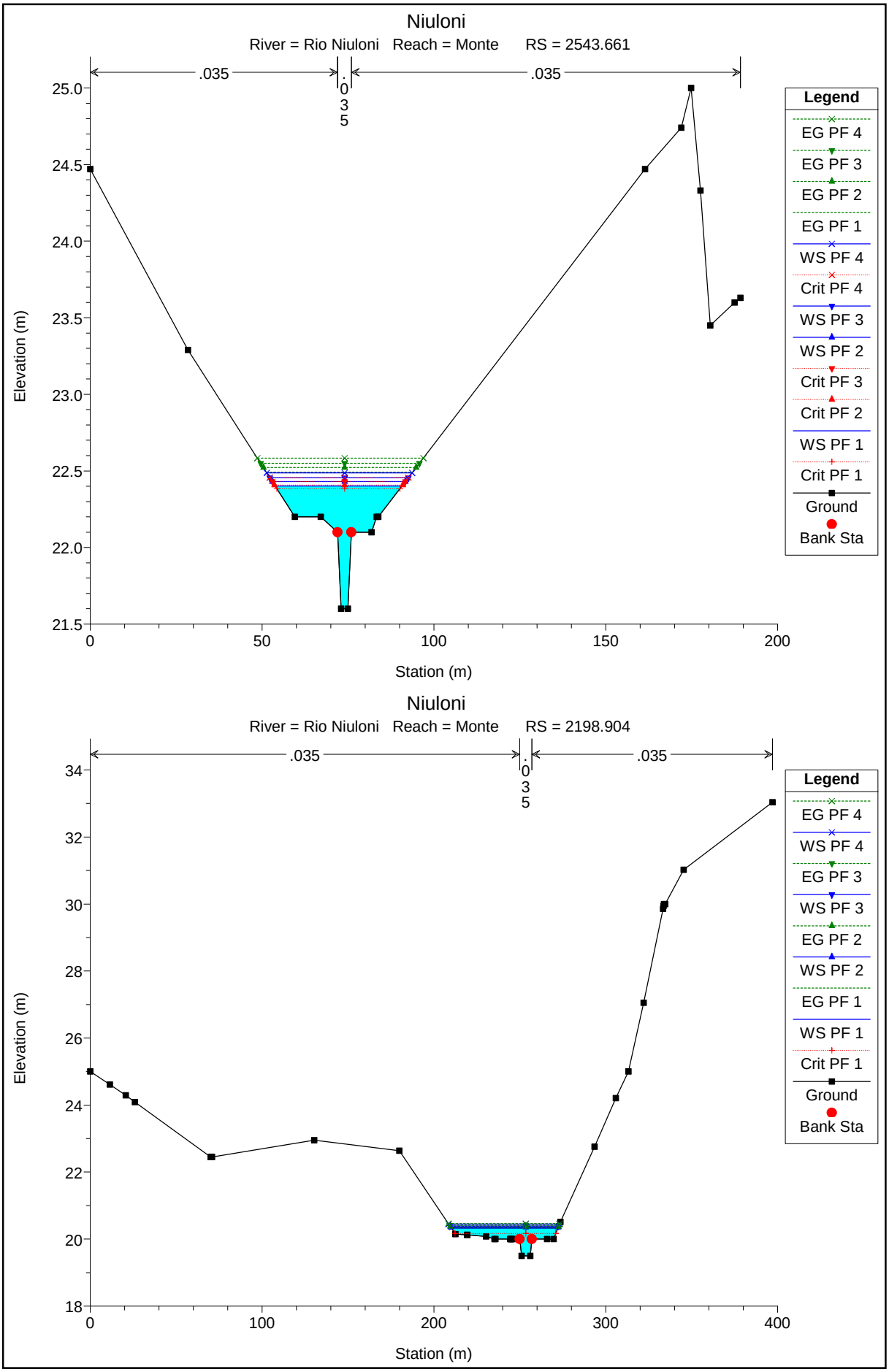
NIULONI
VERIFICHE IDRAULICHE

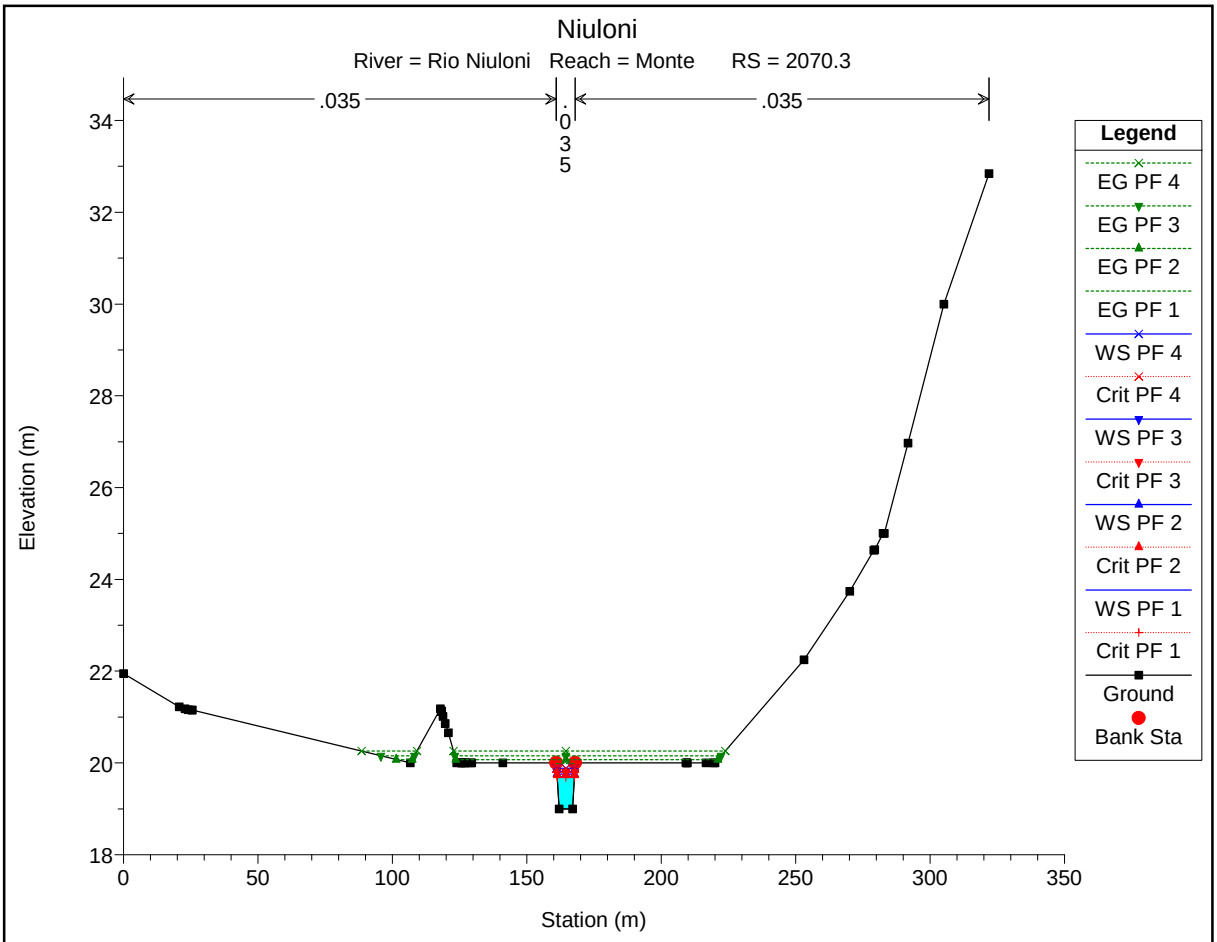
TAVOLA N°	SCALA	DATA
8.2		Ottobre 2012

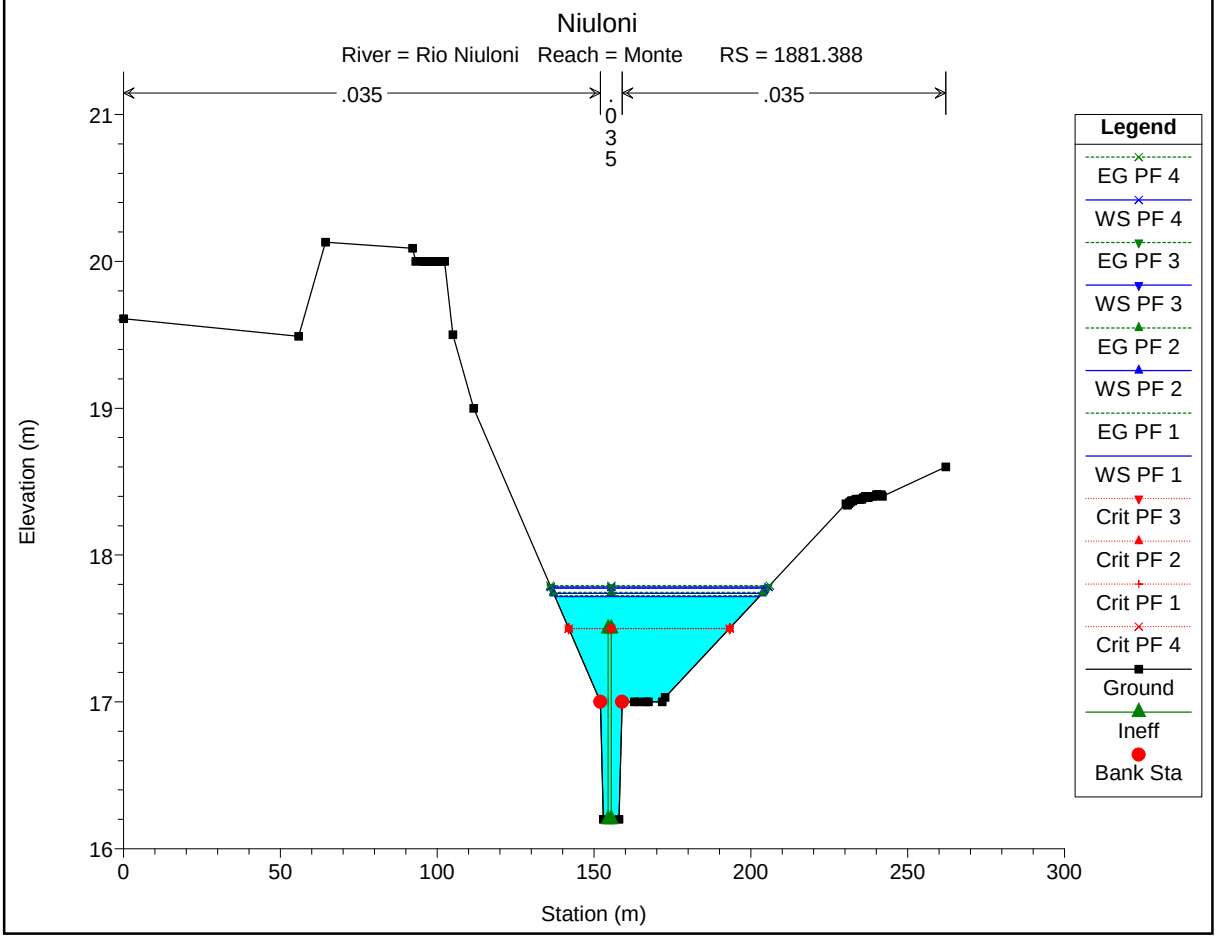
I TECNICI INCARICATI
Ing. Maddalena Idili
Geol. Andrea Selis

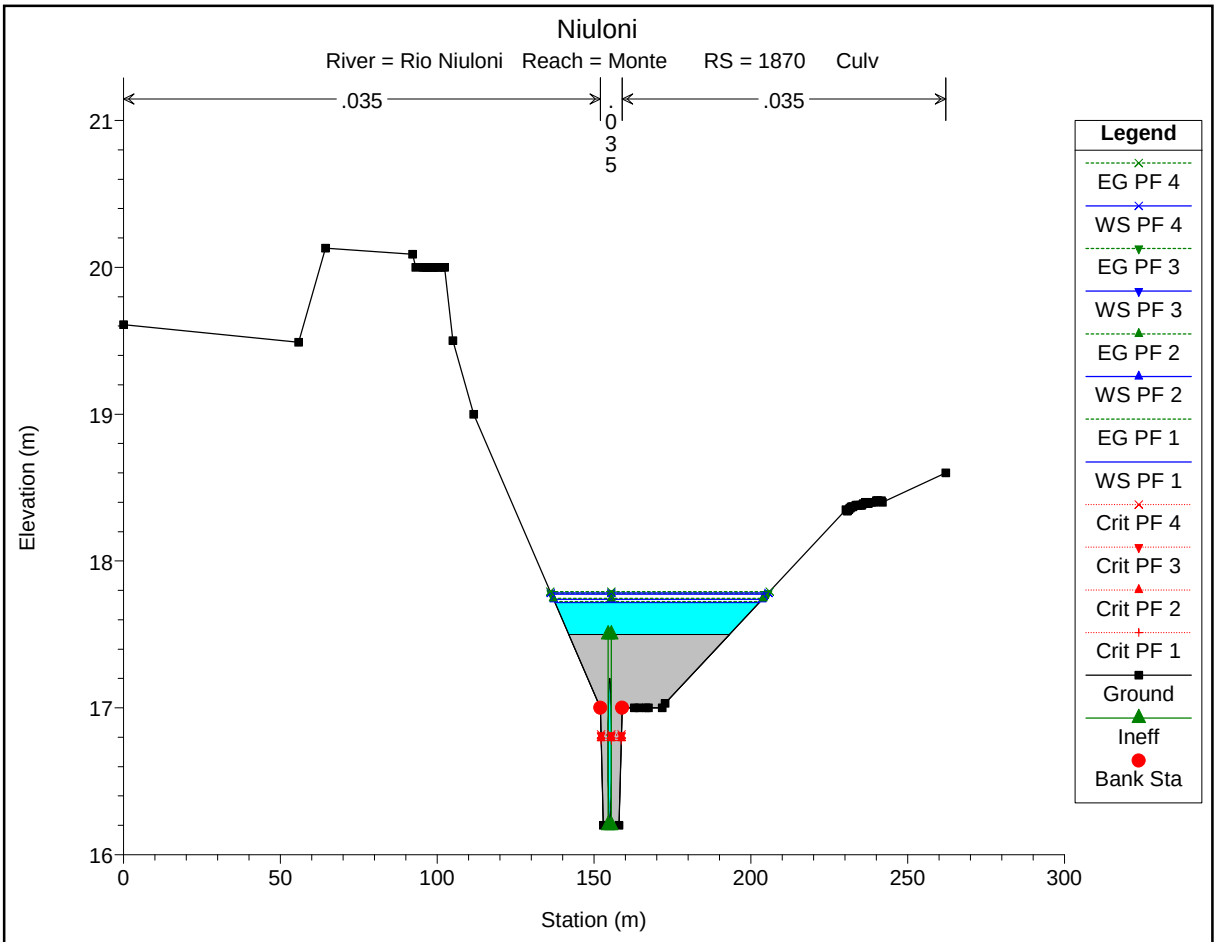
IL RESPONSABILE DEL PROCEDIMENTO
Geom. Riccardo Inzaina

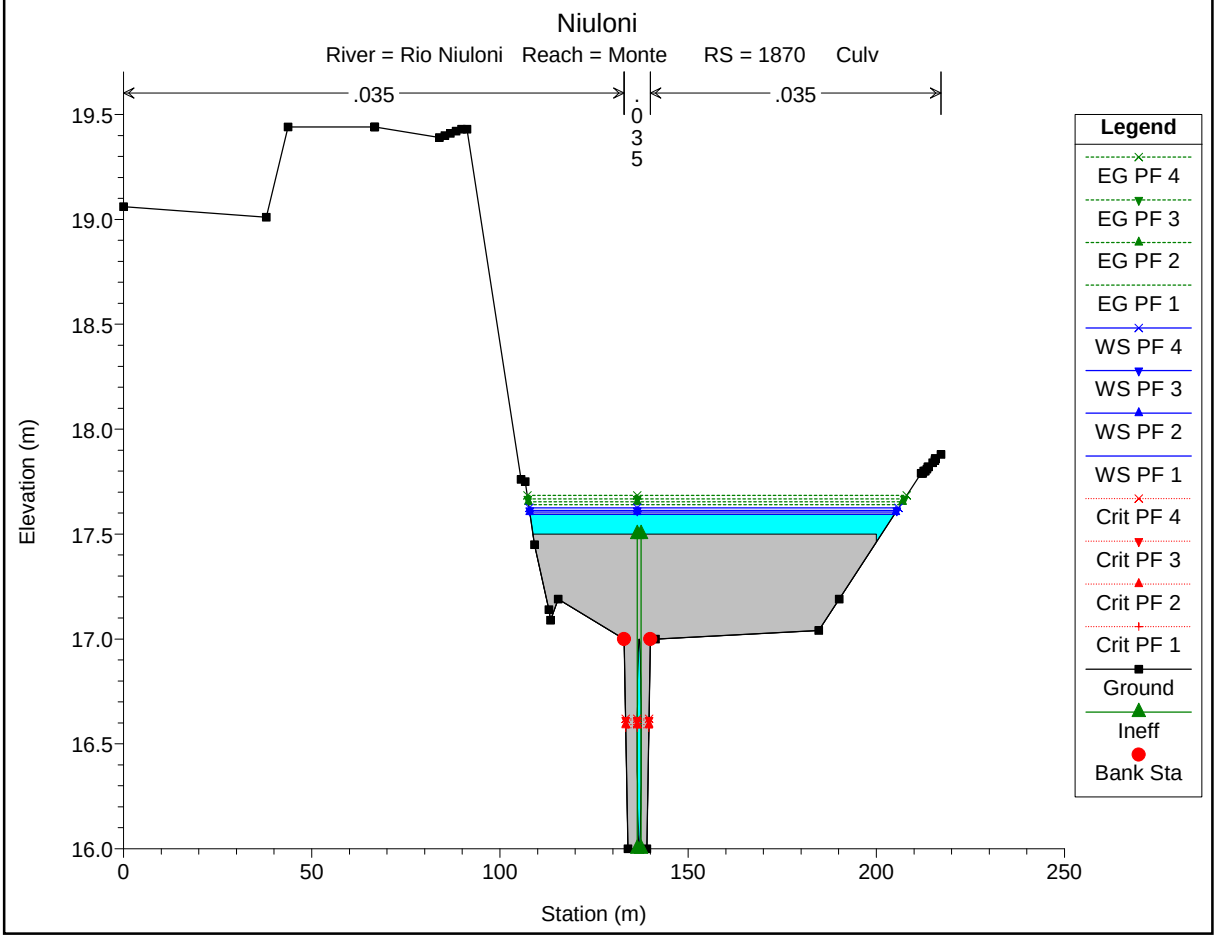
Ing. Maddalena Idili, via Stazione n. 28 - 08012 Bortigali, cell. 3285388170 - email idili.m@tiscali.it
Geol. Andrea Selis, via Toscana n.3 - 08100 Nuoro, cell. 3493193280 - email andreaselis@gmail.it

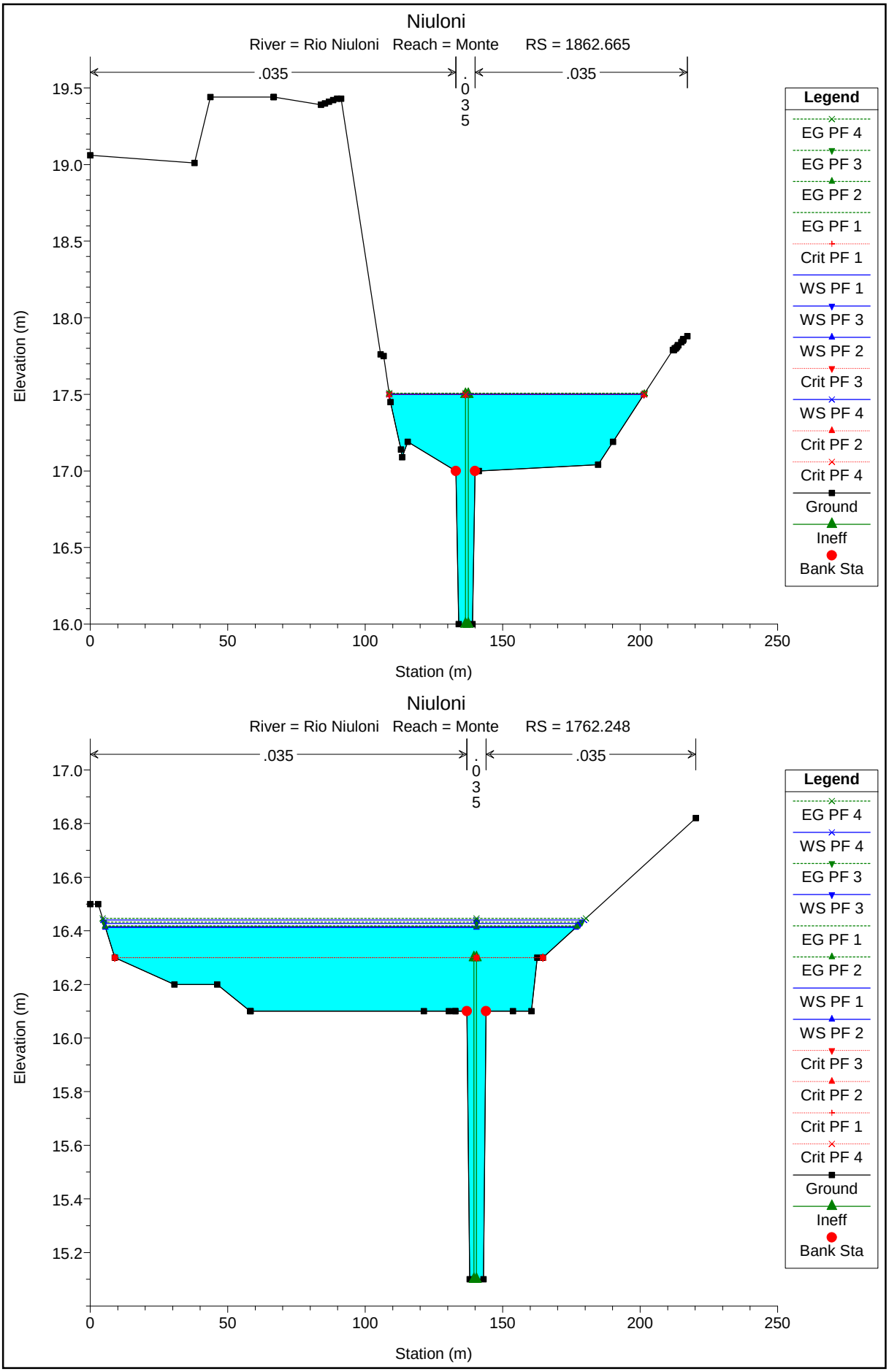

Niuloni
River = Rio Niuloni Reach = Monte RS = 2543.661
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
Crit PF 4
WS PF 3
WS PF 2
Crit PF 3
Crit PF 2
WS PF 1
Crit PF 1
Ground
Bank Sta
Niuloni
River = Rio Niuloni Reach = Monte RS = 2198.904
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
WS PF 4
EG PF 3
WS PF 3
EG PF 2
WS PF 2
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta

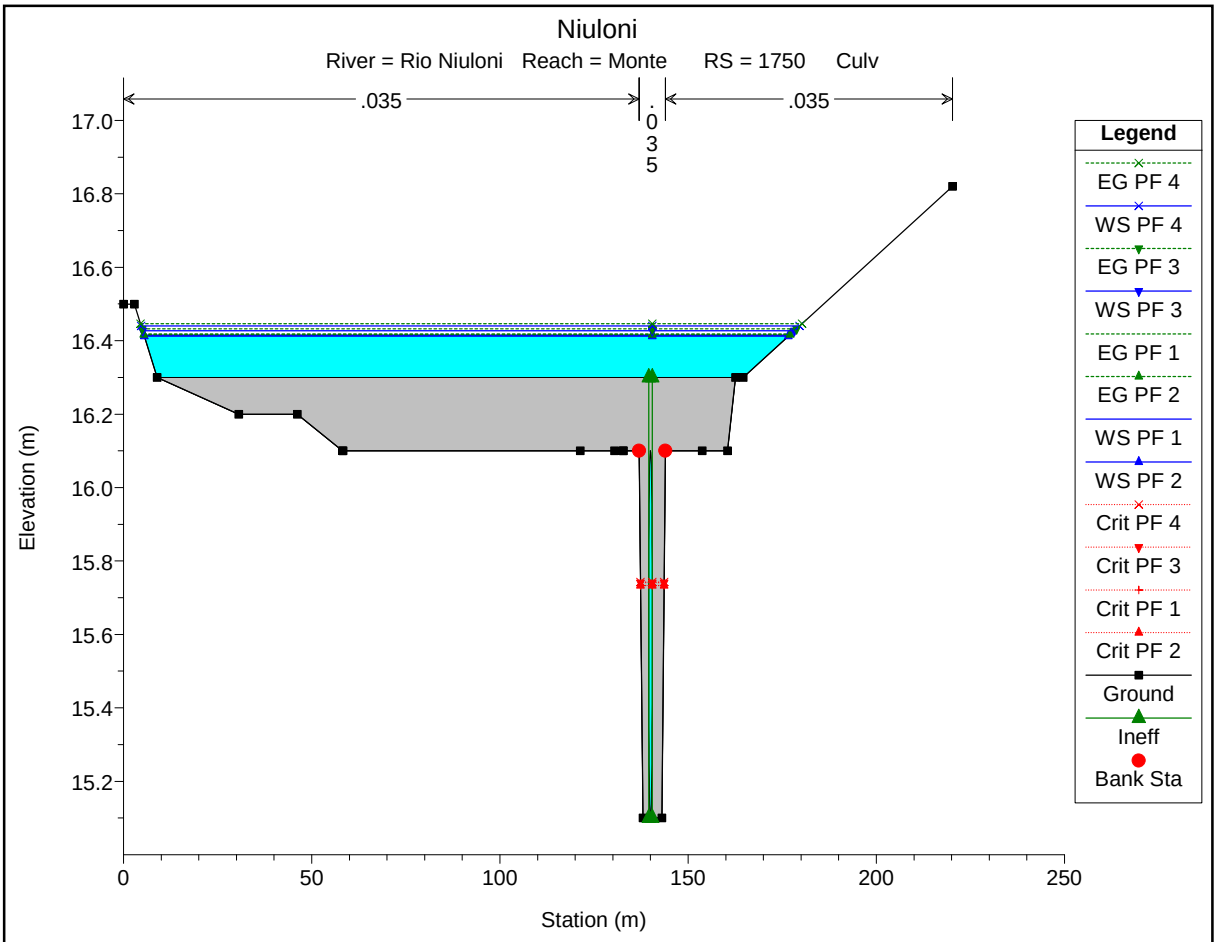

Niuloni
River = Rio Niuloni Reach = Monte RS = 2070.3
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
Crit PF 4
WS PF 3
Crit PF 3
WS PF 2
Crit PF 2
WS PF 1
Crit PF 1
Ground
Bank Sta

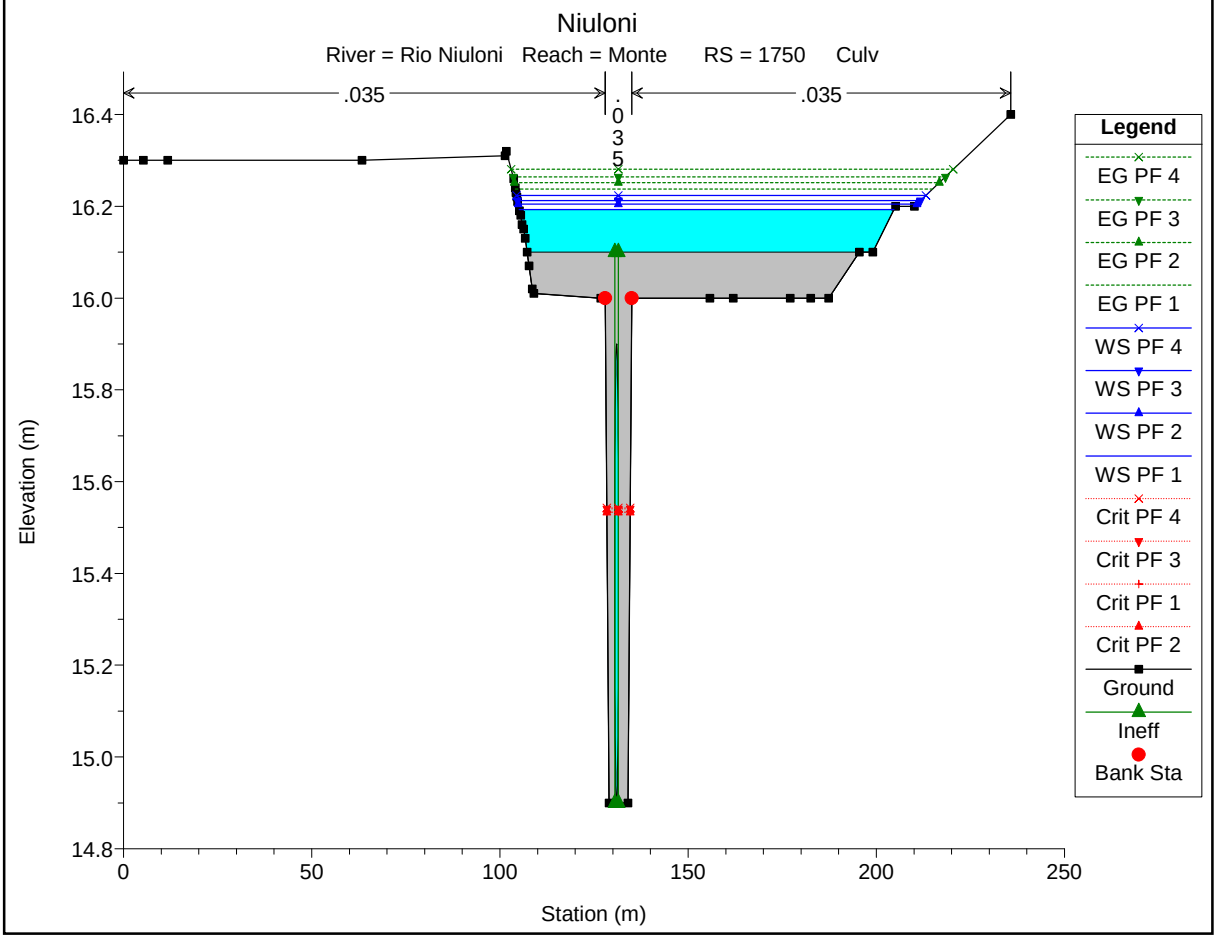

Niuloni
River = Rio Niuloni Reach = Monte RS = 1881.388
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
WS PF 4
EG PF 3
WS PF 3
EG PF 2
WS PF 2
EG PF 1
WS PF 1
Crit PF 3
Crit PF 2
Crit PF 1
Crit PF 4
Ground
Ineff
Bank Sta

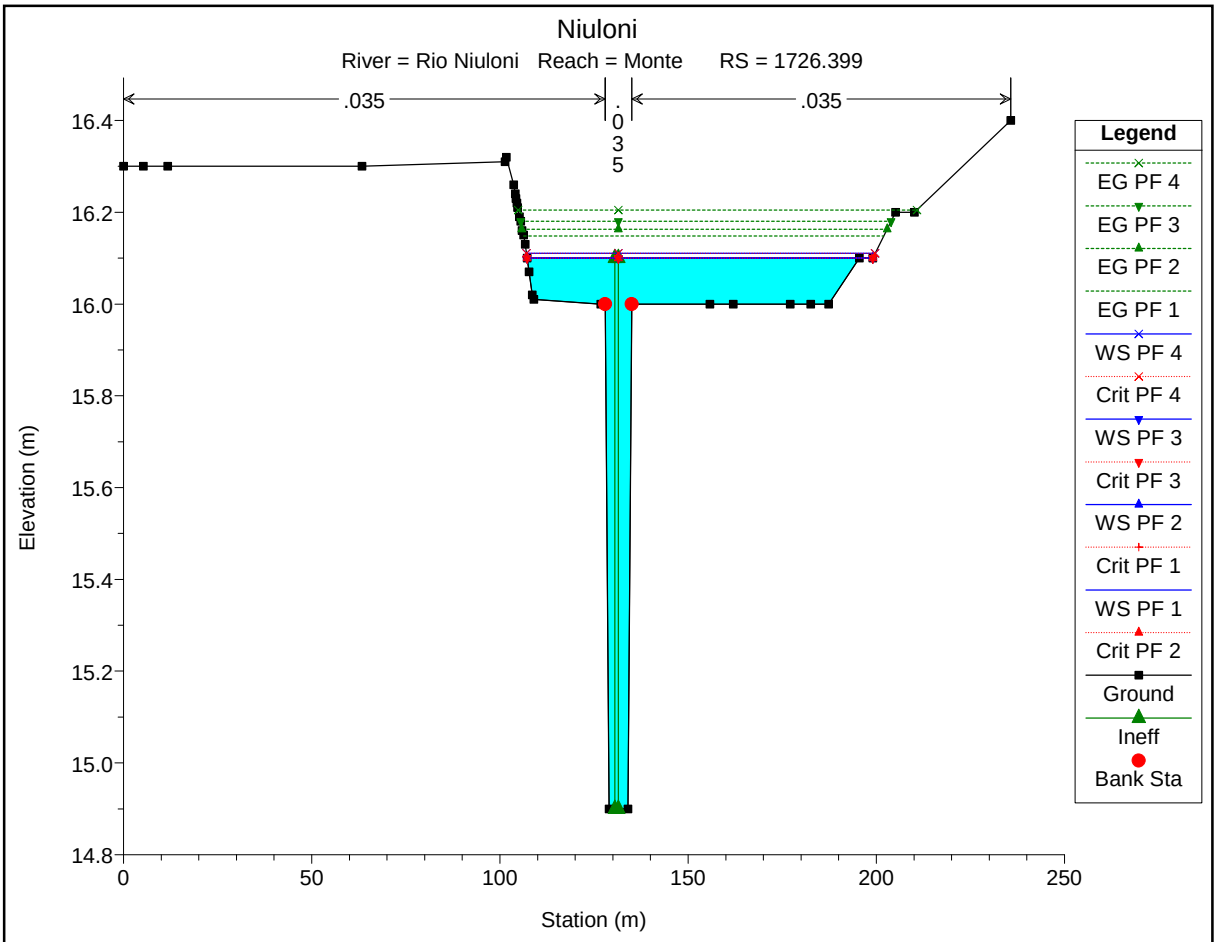

Niuloni
River = Rio Niuloni Reach = Monte RS = 1870 Culv
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
WS PF 4
EG PF 3
WS PF 3
EG PF 2
WS PF 2
EG PF 1
WS PF 1
Crit PF 4
Crit PF 3
Crit PF 2
Crit PF 1
Ground
Ineff
Bank Sta

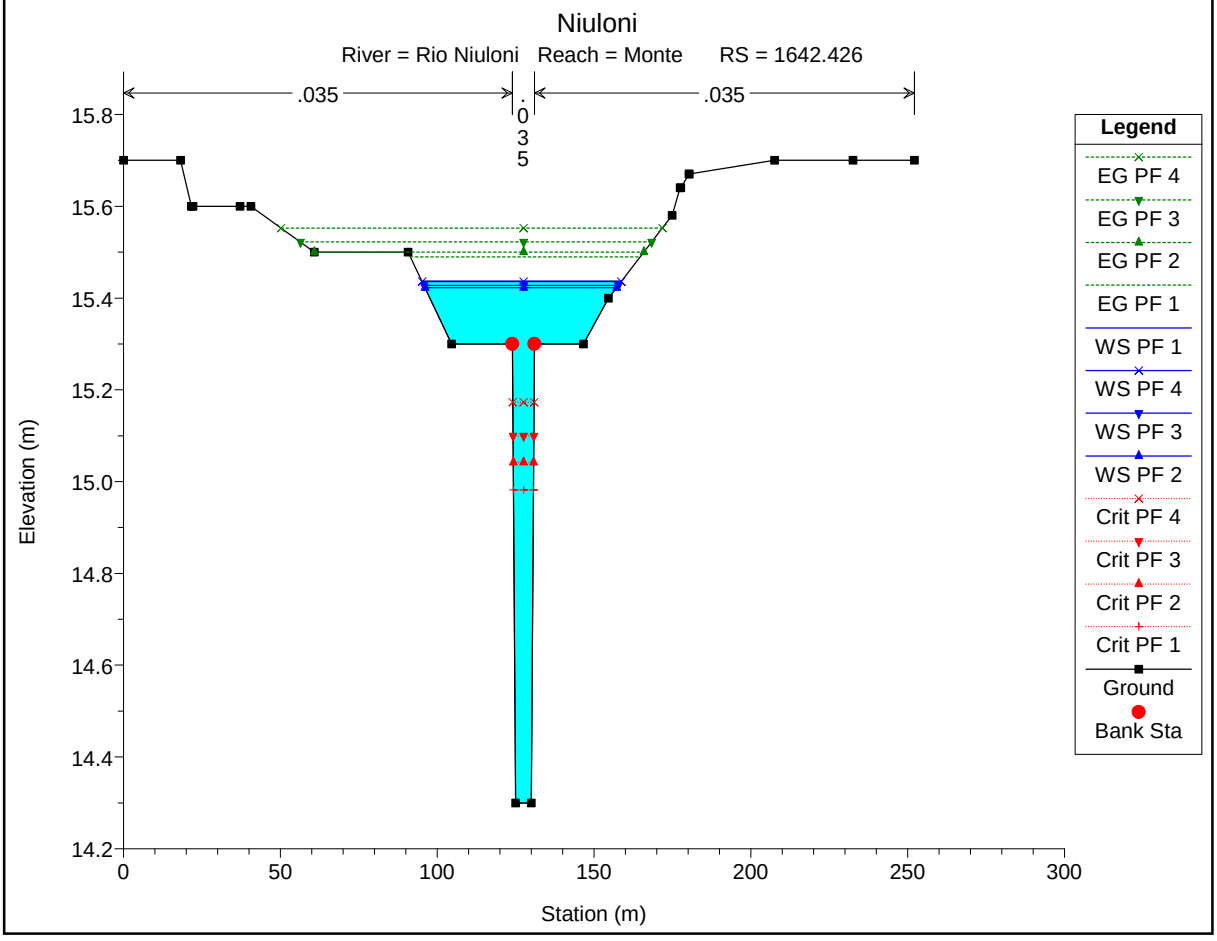

Niuloni
River = Rio Niuloni Reach = Monte RS = 1870 Culv
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
WS PF 3
WS PF 2
WS PF 1
Crit PF 4
Crit PF 3
Crit PF 2
Crit PF 1
Ground
Ineff
Bank Sta

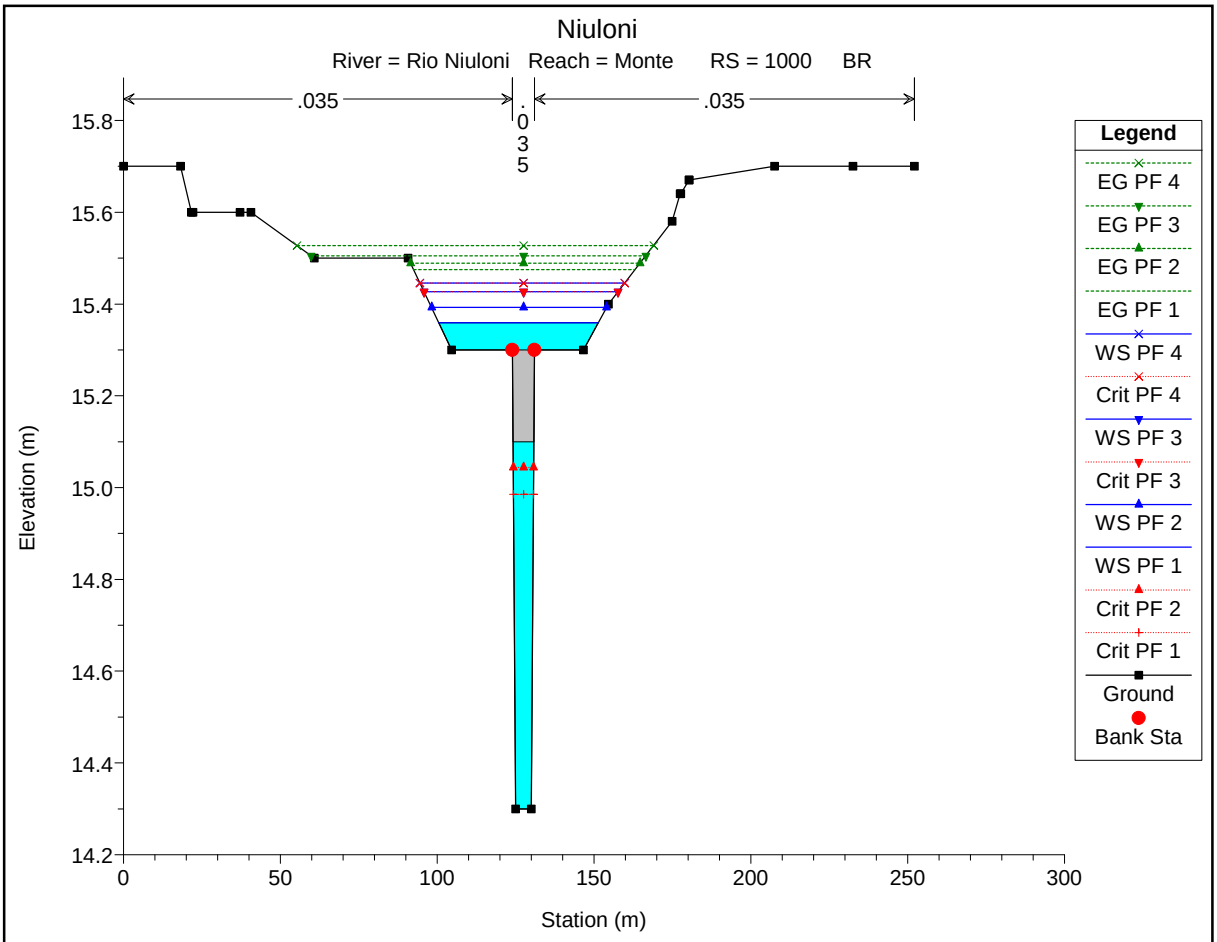

Niuloni
River = Rio Niuloni Reach = Monte RS = 1862.665
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
Crit PF 1
WS PF 1
WS PF 3
WS PF 2
Crit PF 3
WS PF 4
Crit PF 2
Crit PF 4
Ground
Ineff
Bank Sta
Niuloni
River = Rio Niuloni Reach = Monte RS = 1762.248
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
WS PF 4
EG PF 3
WS PF 3
EG PF 1
EG PF 2
WS PF 1
WS PF 2
Crit PF 3
Crit PF 2
Crit PF 1
Crit PF 4
Ground
Ineff
Bank Sta

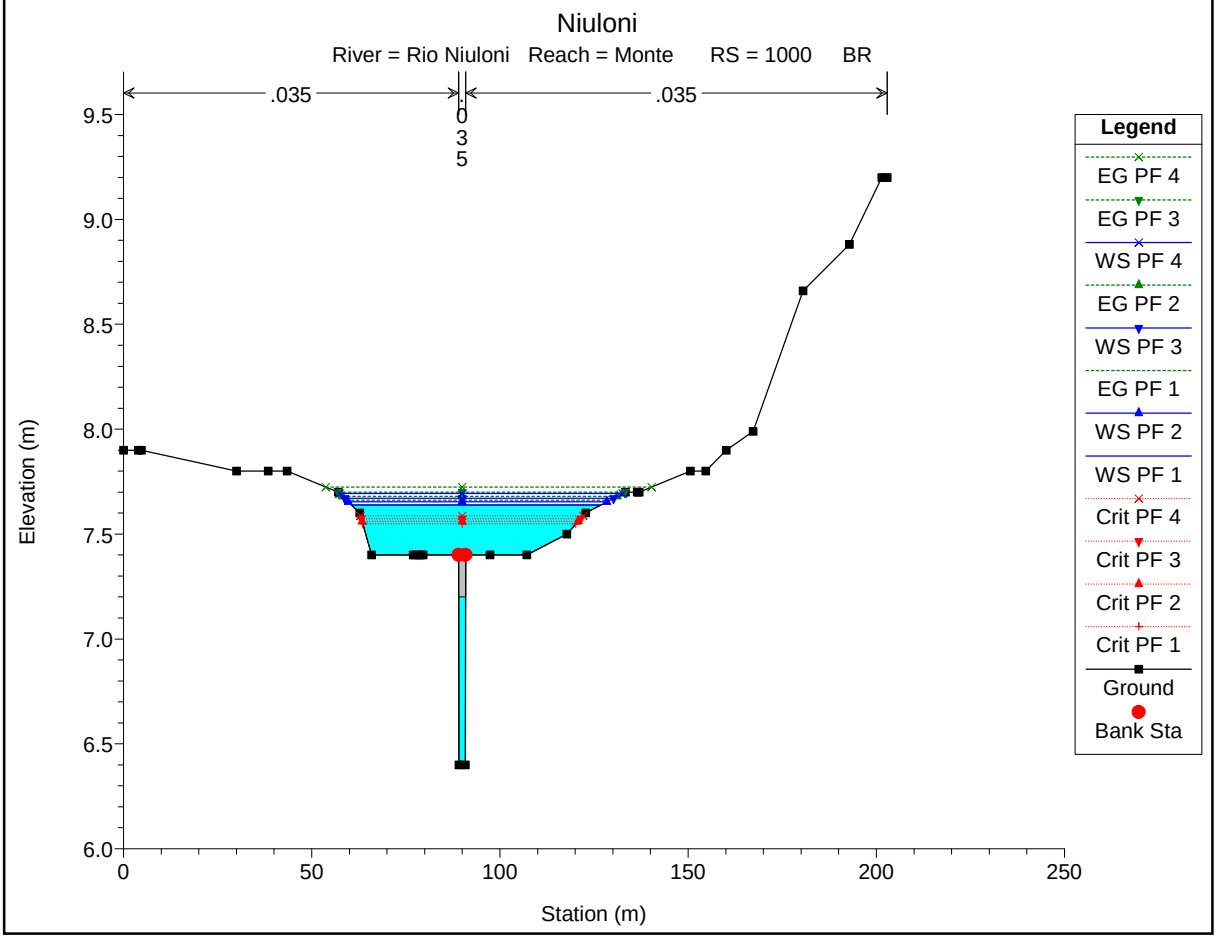

Niuloni
River = Rio Niuloni Reach = Monte RS = 1750 Culv
.035
.035
.035
17.0
16.8
16.6
16.4
16.2
16.0
15.8
15.6
15.4
15.2
Elevation (m)
0
50
100
150
200
250
Station (m)
Legend
EG PF 4
WS PF 4
EG PF 3
WS PF 3
EG PF 1
EG PF 2
WS PF 1
WS PF 2
Crit PF 4
Crit PF 3
Crit PF 1
Crit PF 2
Ground
Ineff
Bank Sta

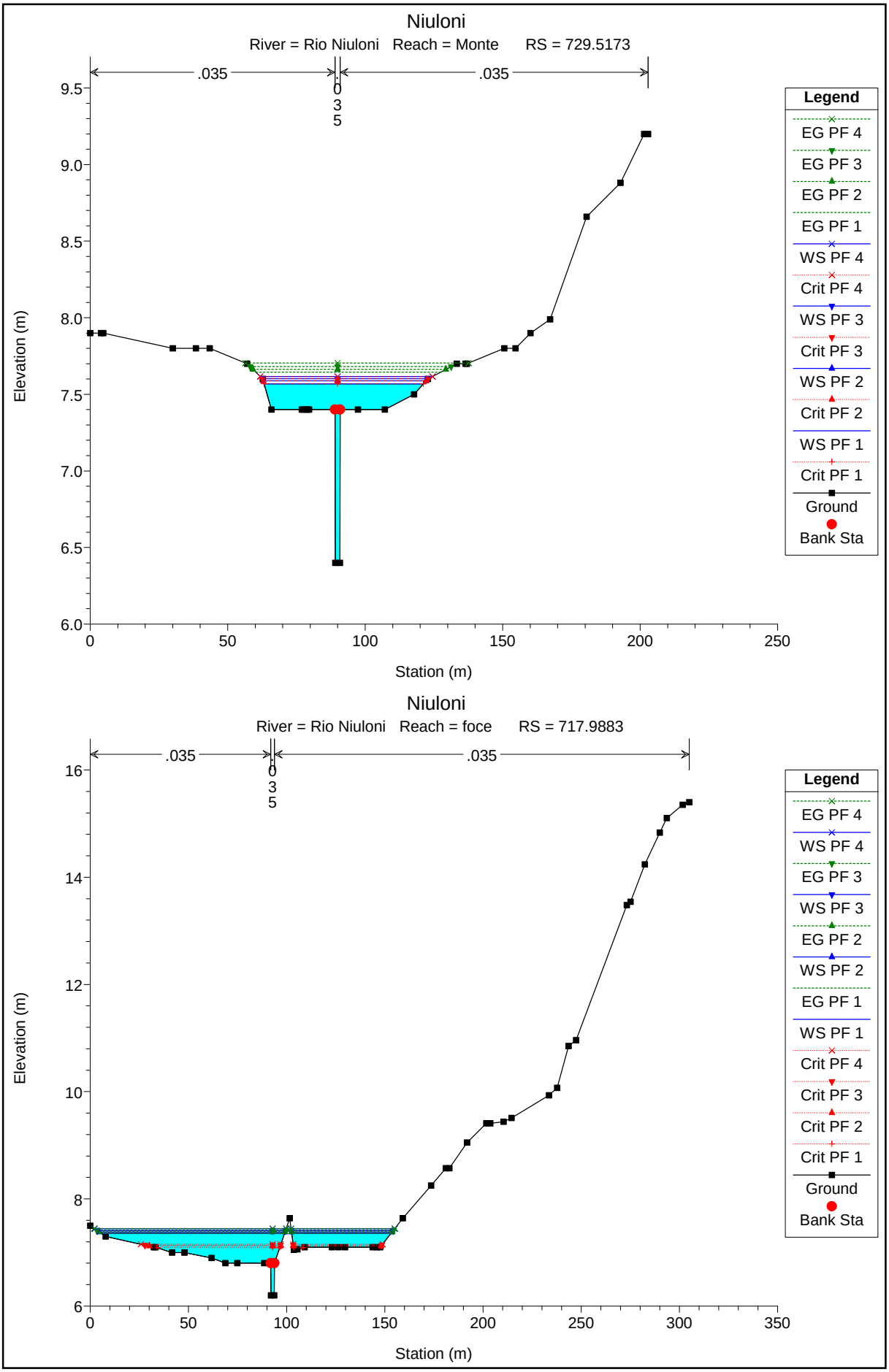

Niuloni
River = Rio Niuloni Reach = Monte RS = 1750 Culv
.035
.035
.035
16.4
16.2
16.0
15.8
15.6
15.4
15.2
15.0
14.8
Elevation (m)
0
50
100
150
200
250
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
WS PF 3
WS PF 2
WS PF 1
Crit PF 4
Crit PF 3
Crit PF 1
Crit PF 2
Ground
Ineff
Bank Sta

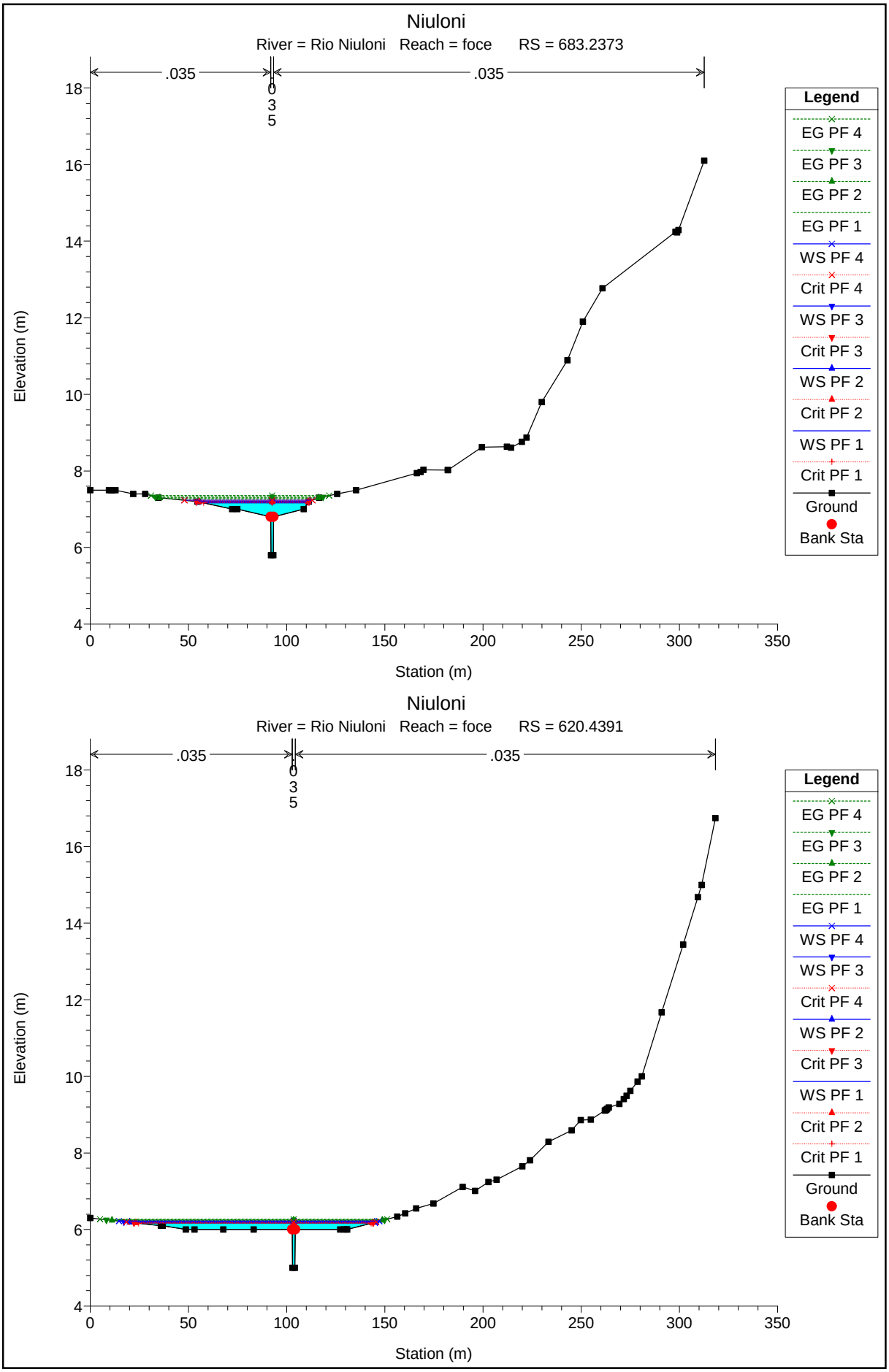

Niuloni
River = Rio Niuloni Reach = Monte RS = 1726.399
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
Crit PF 4
WS PF 3
Crit PF 3
WS PF 2
Crit PF 1
WS PF 1
Crit PF 2
Ground
Ineff
Bank Sta

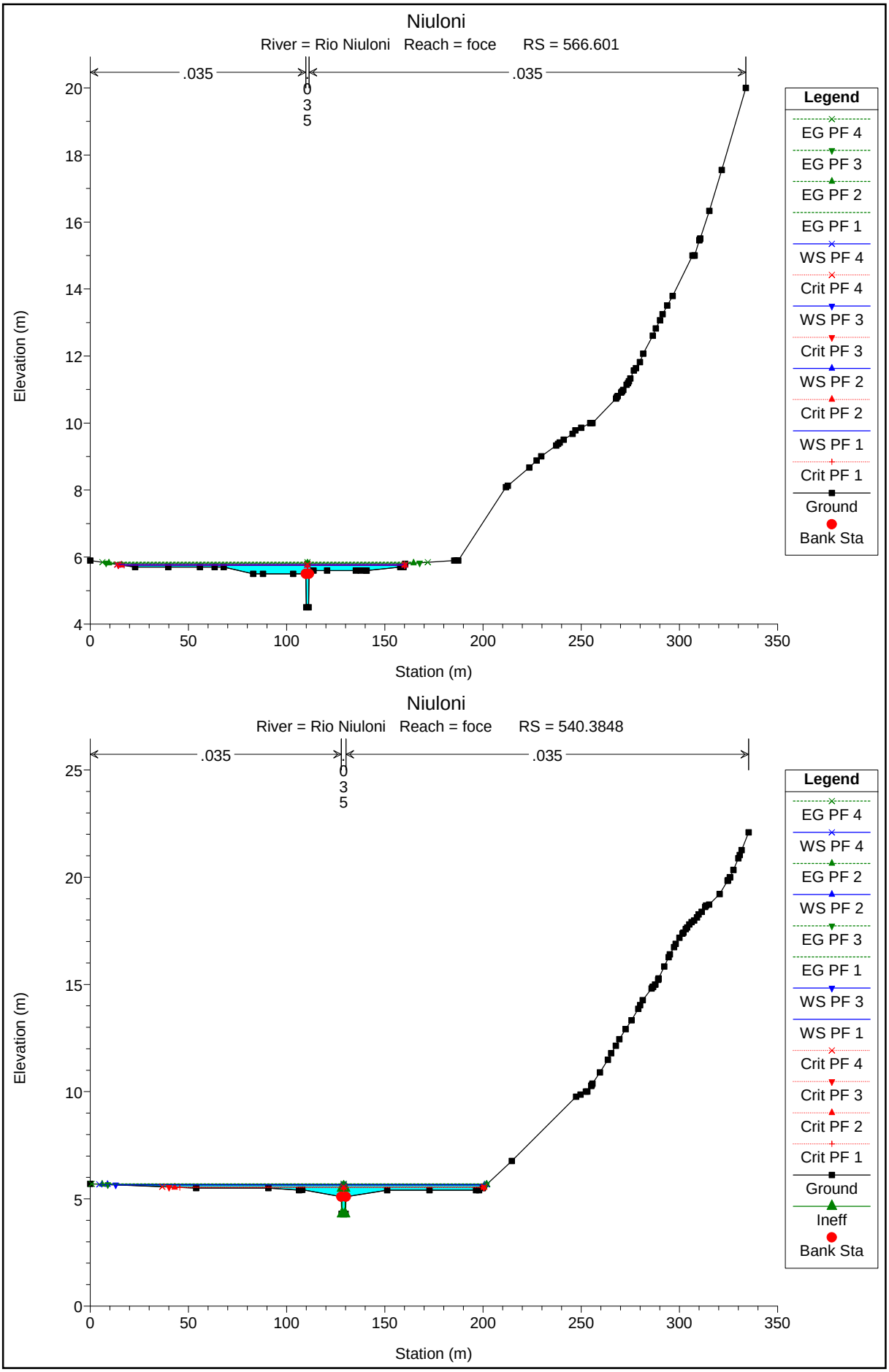

Niuloni
River = Rio Niuloni Reach = Monte RS = 1642.426
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 1
WS PF 4
WS PF 3
WS PF 2
Crit PF 4
Crit PF 3
Crit PF 2
Crit PF 1
Ground
Bank Sta

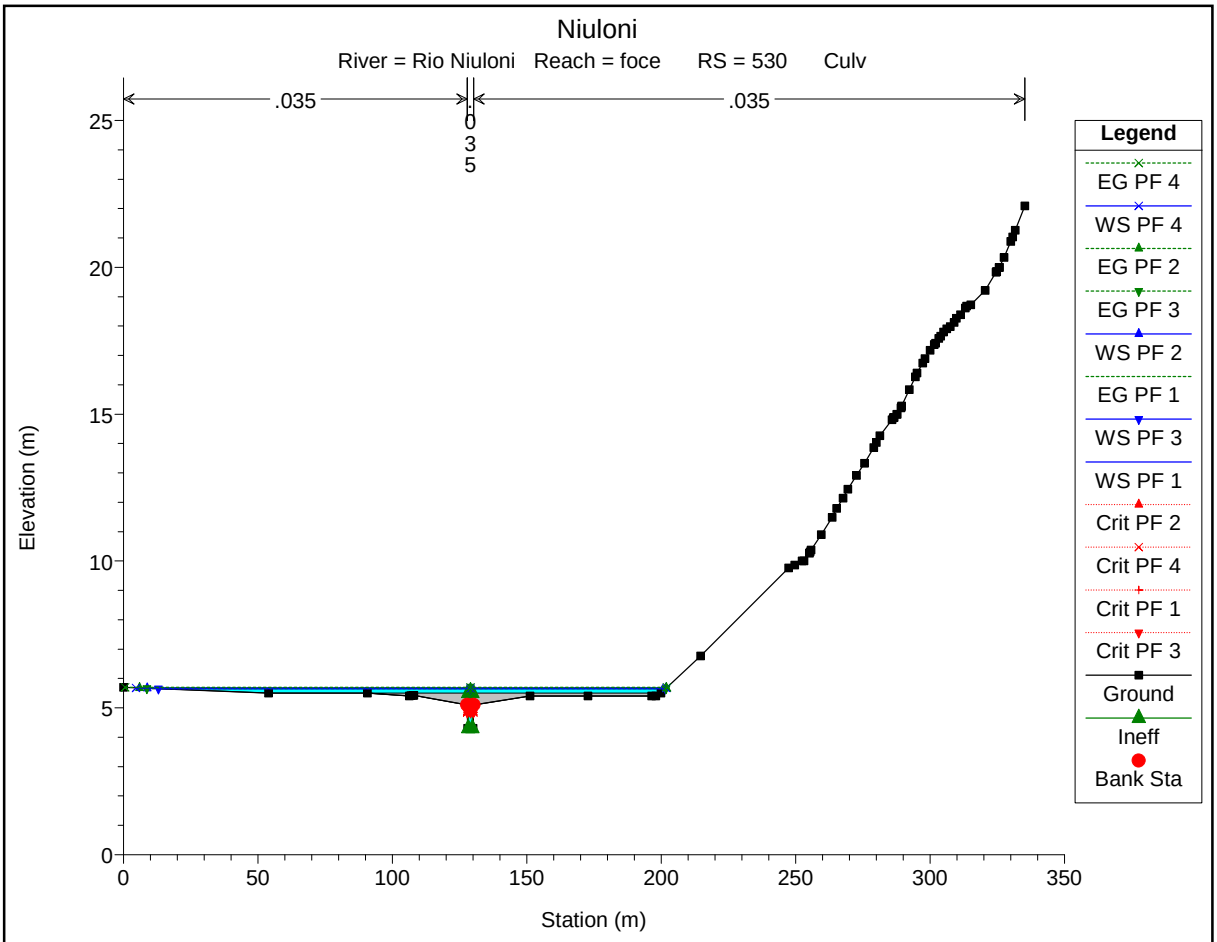

Niuloni
River = Rio Niuloni Reach = Monte RS = 1000 BR
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
Crit PF 4
WS PF 3
Crit PF 3
WS PF 2
WS PF 1
Crit PF 2
Crit PF 1
Ground
Bank Sta

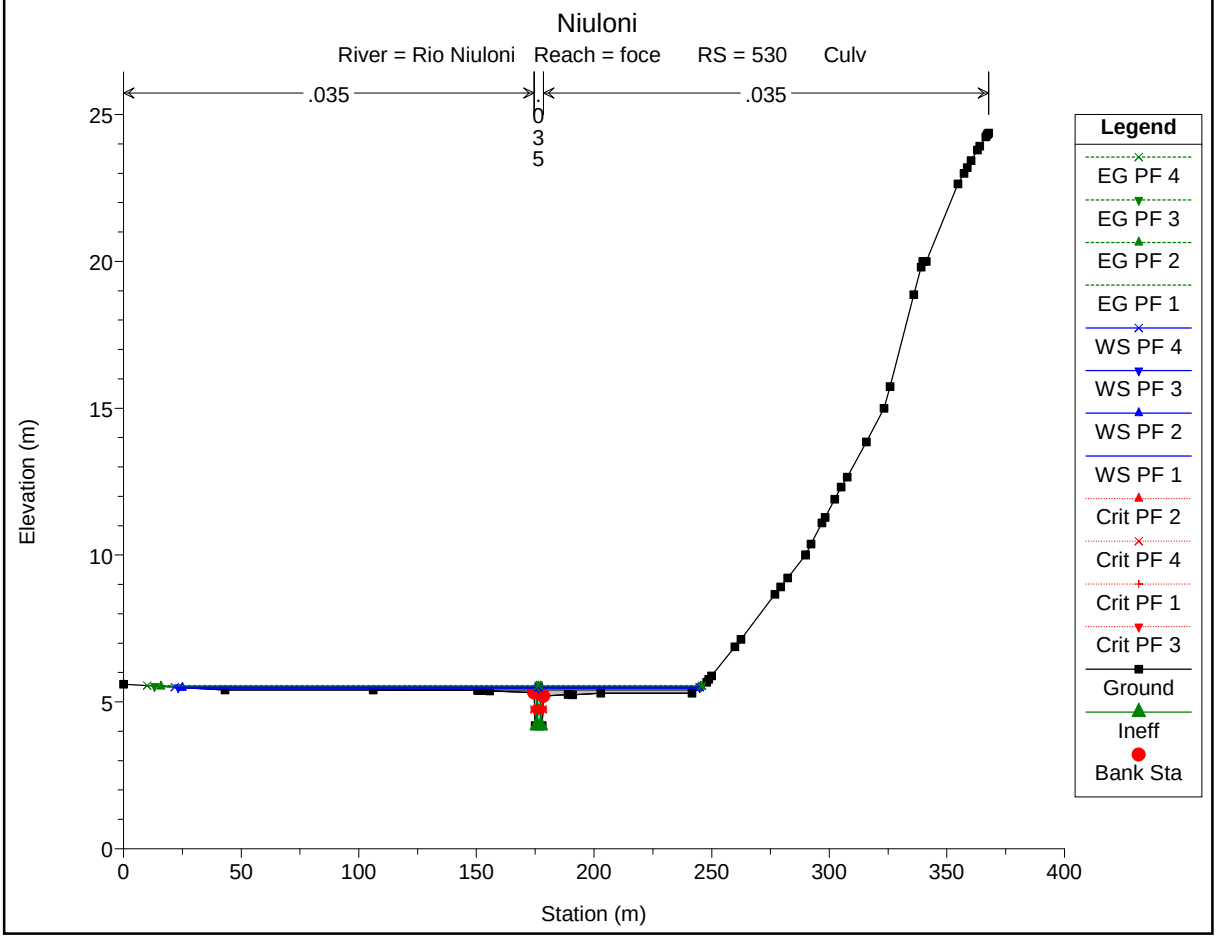

Niuloni
River = Rio Niuloni Reach = Monte RS = 1000 BR
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
WS PF 4
EG PF 2
WS PF 3
EG PF 1
WS PF 2
WS PF 1
Crit PF 4
Crit PF 3
Crit PF 2
Crit PF 1
Ground
Bank Sta

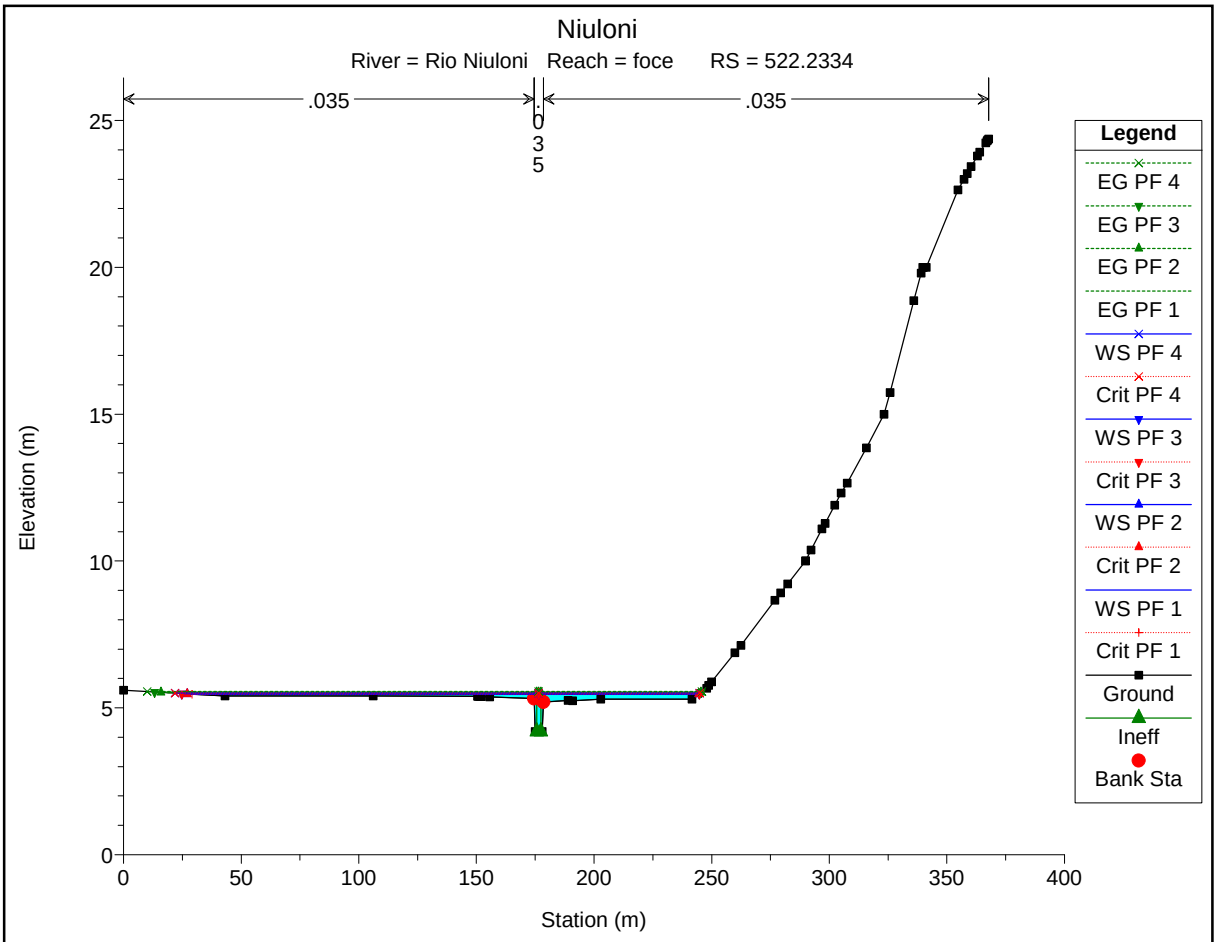

Niuloni
River = Rio Niuloni Reach = Monte RS = 729.5173
.035
.035
0.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
Crit PF 4
WS PF 3
Crit PF 3
WS PF 2
Crit PF 2
WS PF 1
Crit PF 1
Ground
Bank Sta
Niuloni
River = Rio Niuloni Reach = foce RS = 717.9883
.035
.035
0.035
Elevation (m)
Station (m)
Legend
EG PF 4
WS PF 4
EG PF 3
WS PF 3
EG PF 2
WS PF 2
EG PF 1
WS PF 1
Crit PF 4
Crit PF 3
Crit PF 2
Crit PF 1
Ground
Bank Sta

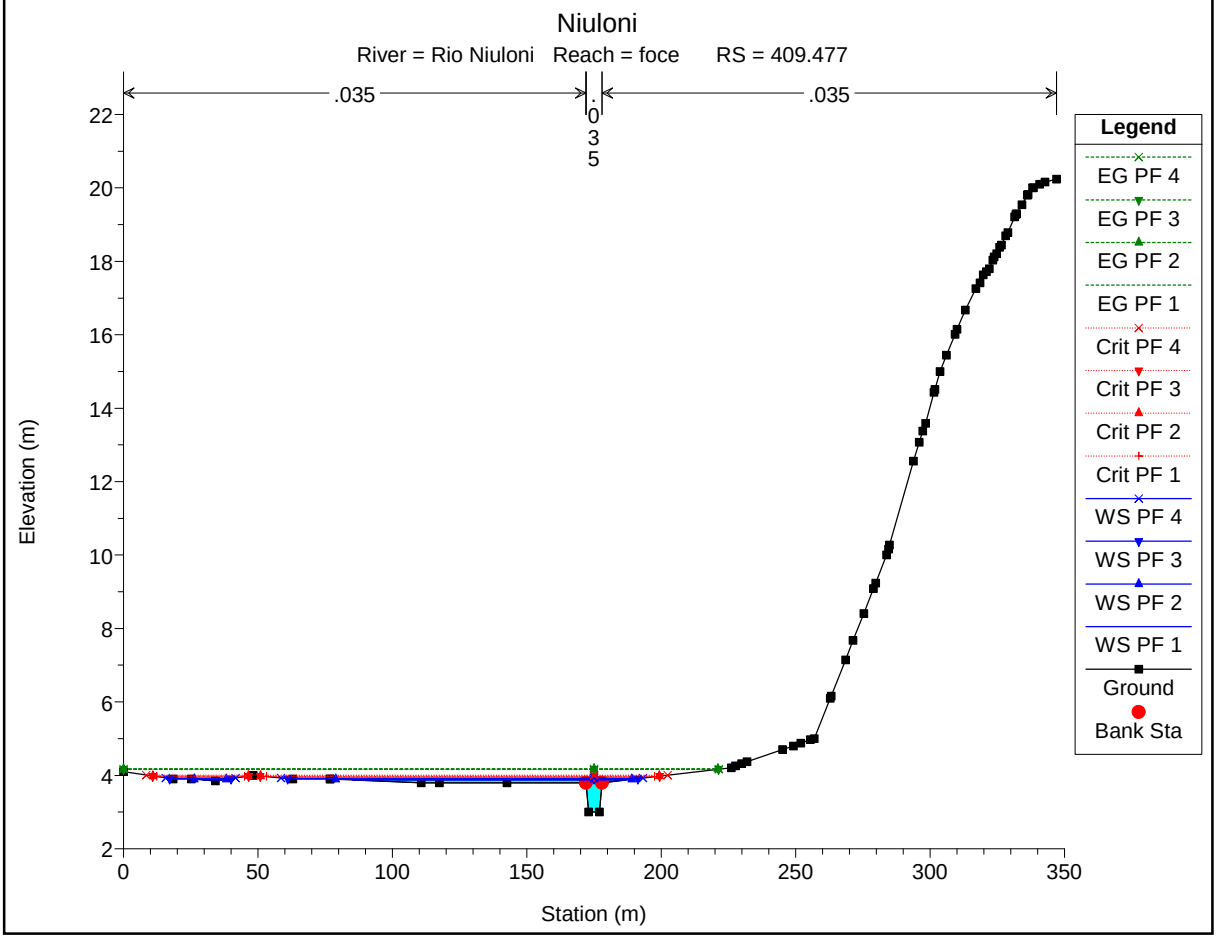

Niuloni
River = Rio Niuloni Reach = foce RS = 683.2373
.035
.035
0
3
5
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
Crit PF 4
WS PF 3
Crit PF 3
WS PF 2
Crit PF 2
WS PF 1
Crit PF 1
Ground
Bank Sta
Niuloni
River = Rio Niuloni Reach = foce RS = 620.4391
.035
.035
0
3
5
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
WS PF 3
Crit PF 4
WS PF 2
Crit PF 3
WS PF 1
Crit PF 2
Crit PF 1
Ground
Bank Sta

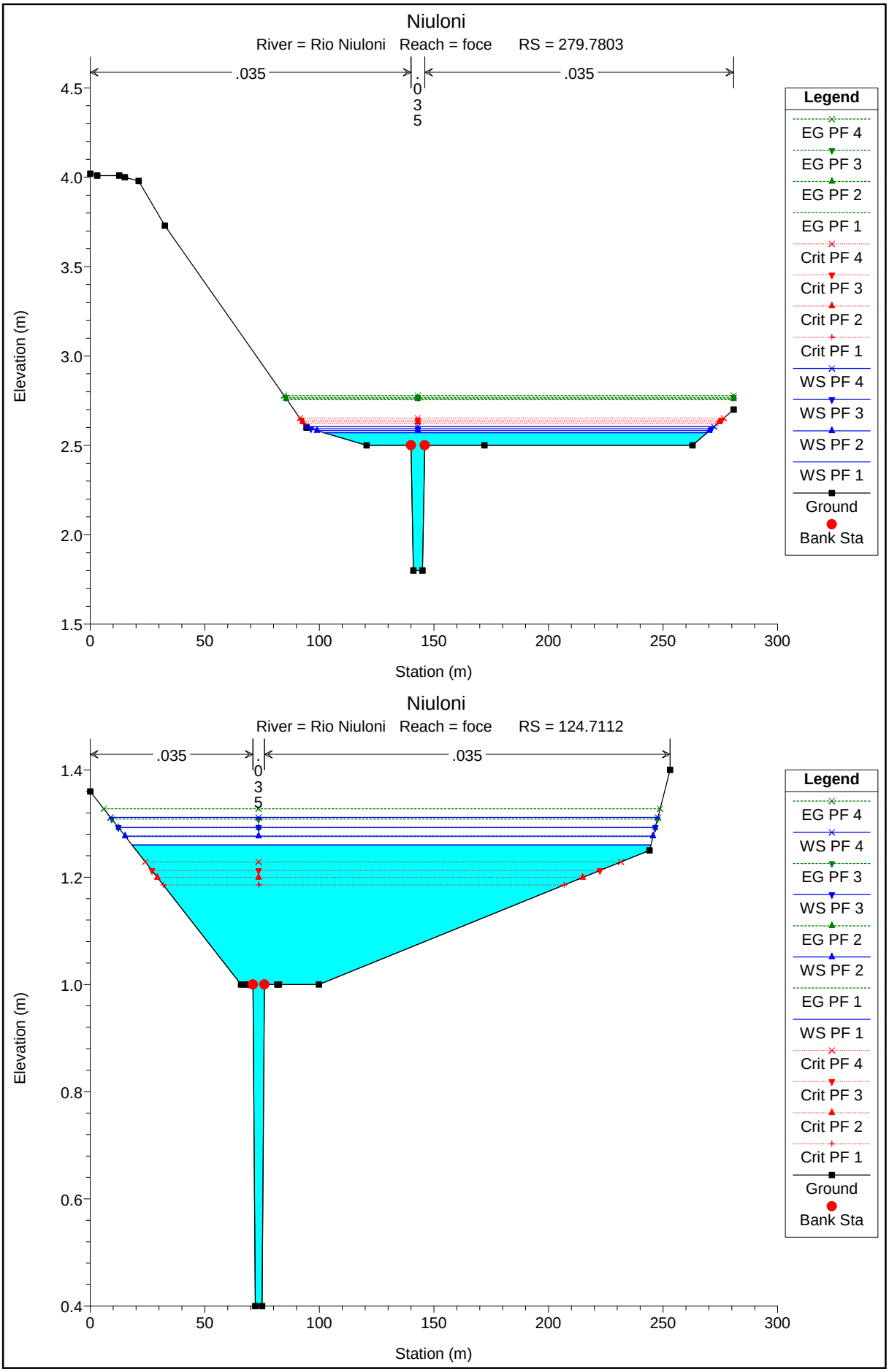

Niuloni
River = Rio Niuloni Reach = foce RS = 566.601
.035
.035
0.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
Crit PF 4
WS PF 3
Crit PF 3
WS PF 2
Crit PF 2
WS PF 1
Crit PF 1
Ground
Bank Sta
Niuloni
River = Rio Niuloni Reach = foce RS = 540.3848
.035
.035
0.035
Elevation (m)
Station (m)
Legend
EG PF 4
WS PF 4
EG PF 2
WS PF 2
EG PF 3
EG PF 1
WS PF 3
WS PF 1
Crit PF 4
Crit PF 3
Crit PF 2
Crit PF 1
Ground
Ineff
Bank Sta

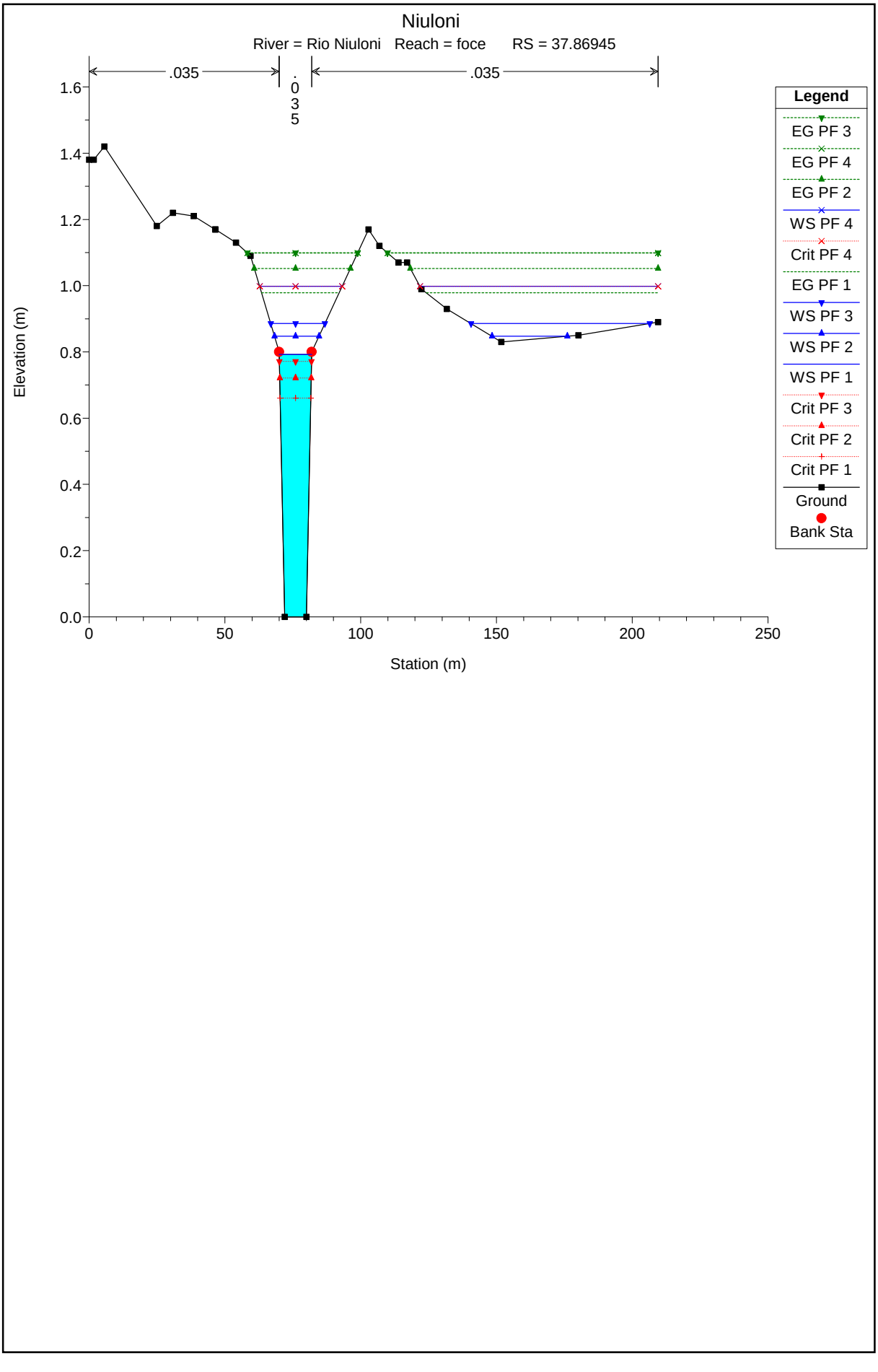

Niuloni
River = Rio Niuloni Reach = foce RS = 530 Culv
.035
.035
0.035
Elevation (m)
Station (m)
Legend
EG PF 4
WS PF 4
EG PF 2
EG PF 3
WS PF 2
EG PF 1
WS PF 3
WS PF 1
Crit PF 2
Crit PF 4
Crit PF 1
Crit PF 3
Ground
Ineff
Bank Sta

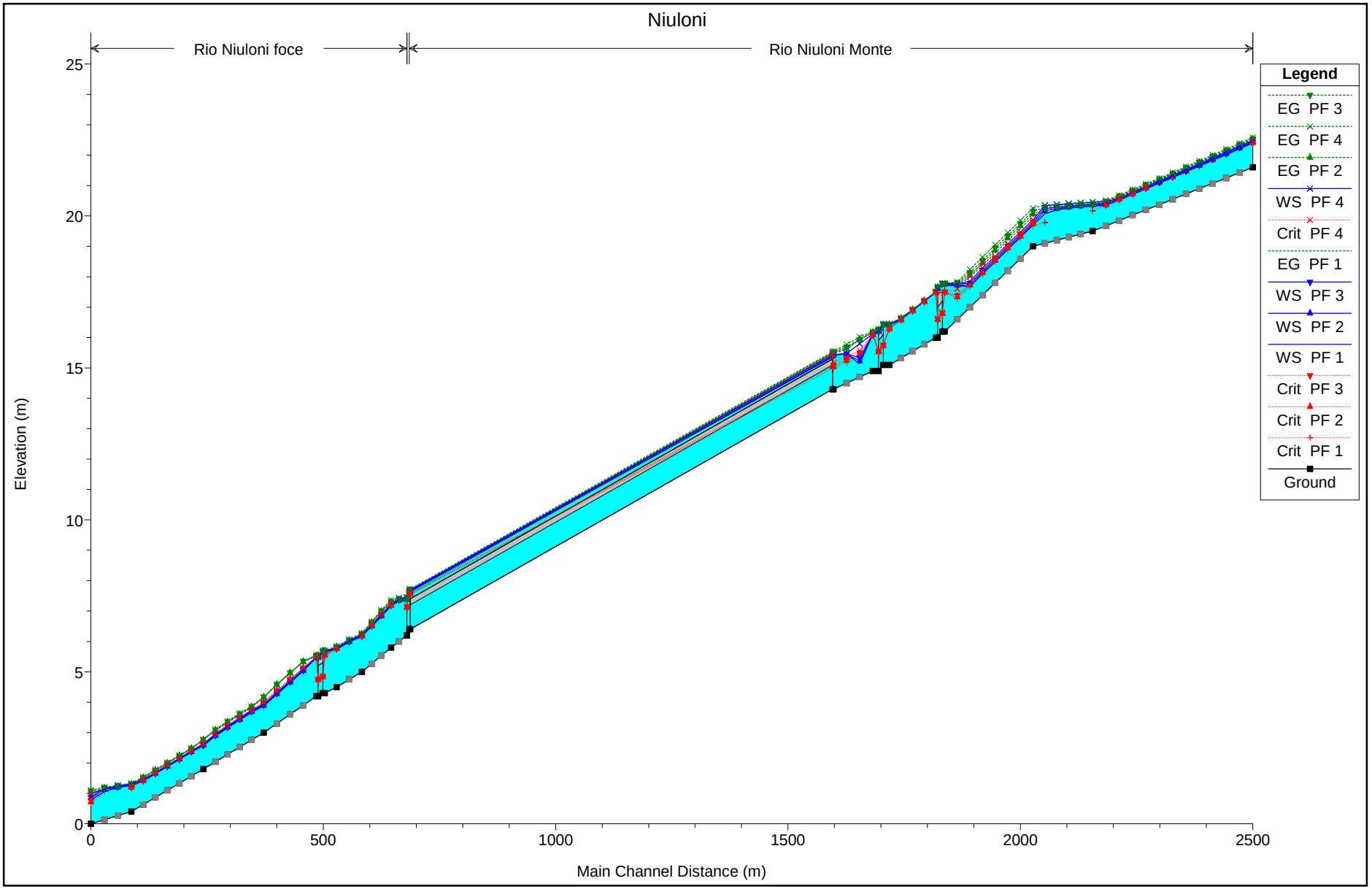

Niuloni
River = Rio Niuloni Reach = foce RS = 530 Culv
.035
.035
0.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
WS PF 3
WS PF 2
WS PF 1
Crit PF 2
Crit PF 4
Crit PF 1
Crit PF 3
Ground
Ineff
Bank Sta


Niuloni
River = Rio Niuloni Reach = foce RS = 522.2334
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
WS PF 4
Crit PF 4
WS PF 3
Crit PF 3
WS PF 2
Crit PF 2
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta


Niuloni
River = Rio Niuloni Reach = foce RS = 409.477
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
Crit PF 4
Crit PF 3
Crit PF 2
Crit PF 1
WS PF 4
WS PF 3
WS PF 2
WS PF 1
Ground
Bank Sta


Niuloni
River = Rio Niuloni Reach = foce RS = 279.7803
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
EG PF 3
EG PF 2
EG PF 1
Crit PF 4
Crit PF 3
Crit PF 2
Crit PF 1
WS PF 4
WS PF 3
WS PF 2
WS PF 1
Ground
Bank Sta
Niuloni
River = Rio Niuloni Reach = foce RS = 124.7112
.035
.035
.035
Elevation (m)
Station (m)
Legend
EG PF 4
WS PF 4
EG PF 3
WS PF 3
EG PF 2
WS PF 2
EG PF 1
WS PF 1
Crit PF 4
Crit PF 3
Crit PF 2
Crit PF 1
Ground
Bank Sta


Niuloni
River = Rio Niuloni Reach = foce RS = 37.86945
.035
.035
.035
Elevation (m)
Station (m)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
0
50
100
150
200
250
Legend
EG PF 3
EG PF 4
EG PF 2
WS PF 4
Crit PF 4
EG PF 1
WS PF 3
WS PF 2
WS PF 1
Crit PF 3
Crit PF 2
Crit PF 1
Ground
Bank Sta


Niuloni
Rio Niuloni foce
Rio Niuloni Monte
Elevation (m)
Main Channel Distance (m)
0
5
10
15
20
25
0
500
1000
1500
2000
2500
Legend
EG PF 3
EG PF 4
EG PF 2
WS PF 4
Crit PF 4
EG PF 1
WS PF 3
WS PF 2
WS PF 1
Crit PF 3
Crit PF 2
Crit PF 1
Ground

HEC-RAS Plan: Plan 01 River: 1 Reach: 1

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	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/s)	(m2)	(m)	
1	8.801901	PF 1	6.00	6.50	7.54	7.08	7.57	0.001063	0.74	8.09	10.28	0.27
1	8.801901	PF 2	7.00	6.50	7.64	7.12	7.67	0.001011	0.77	9.07	10.28	0.26
1	8.801901	PF 3	7.50	6.50	7.68	7.13	7.71	0.000992	0.79	9.54	10.28	0.26
1	8.801901	PF 4	8.00	6.50	7.73	7.15	7.76	0.000975	0.80	10.00	10.28	0.26
1	1.1702	PF 1	6.00	6.30	7.23	7.23	7.53	0.006170	2.42	2.48	4.23	1.01
1	1.1702	PF 2	7.00	6.30	7.29	7.29	7.62	0.006123	2.54	2.75	4.26	1.01
1	1.1702	PF 3	7.50	6.30	7.33	7.33	7.67	0.006001	2.58	2.90	4.28	1.00
1	1.1702	PF 4	8.00	6.30	7.36	7.36	7.71	0.005969	2.63	3.04	4.30	1.00