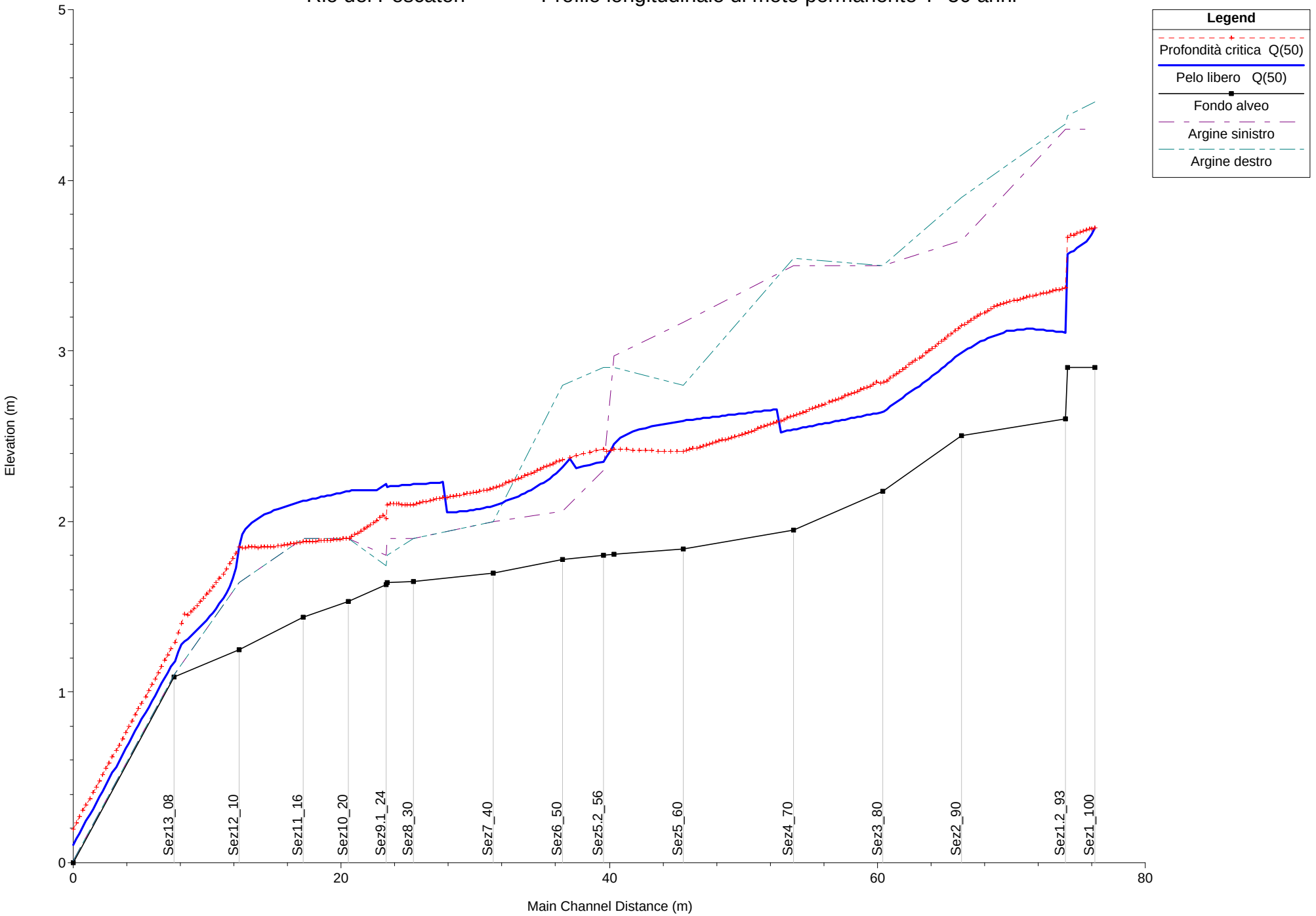
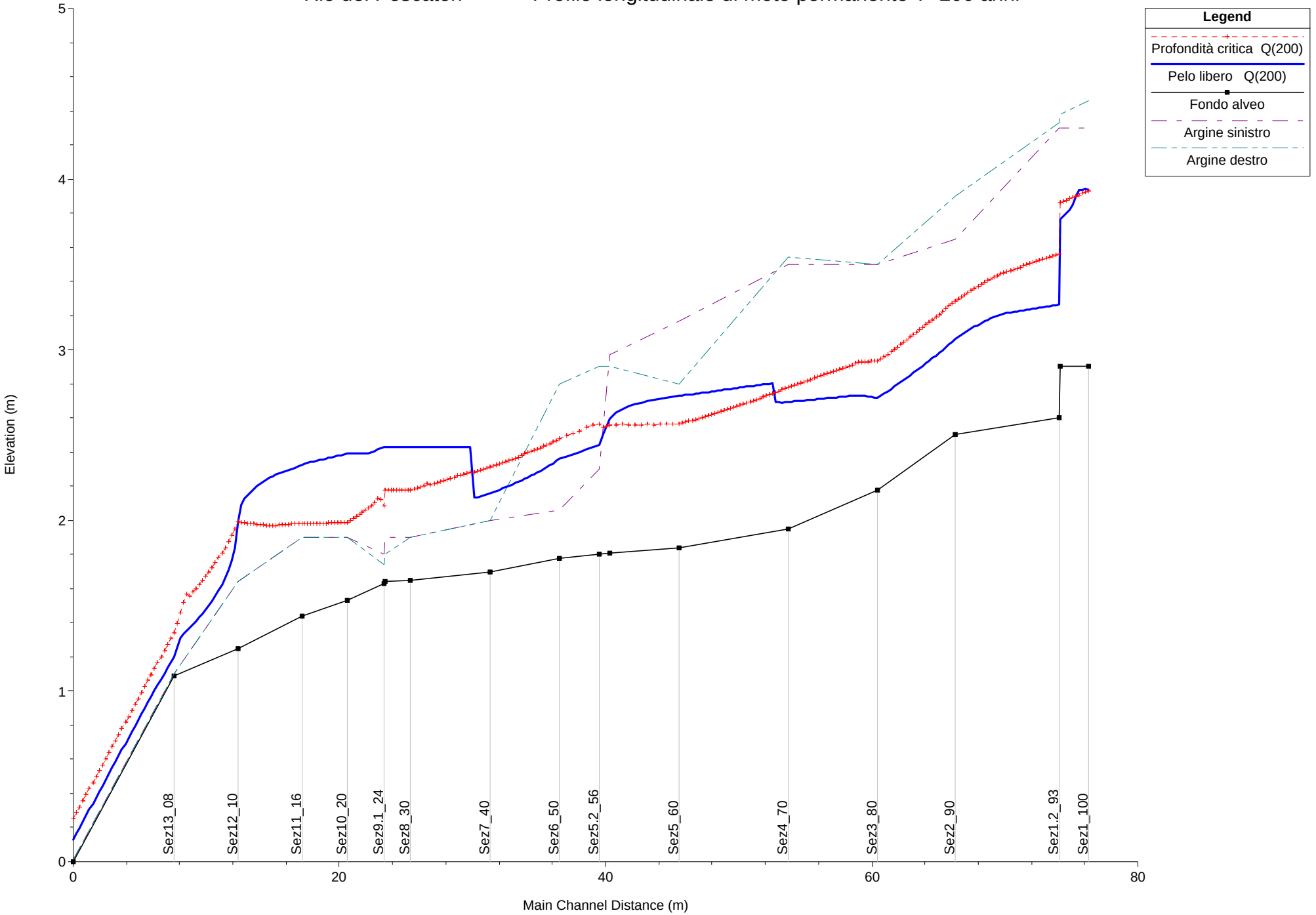
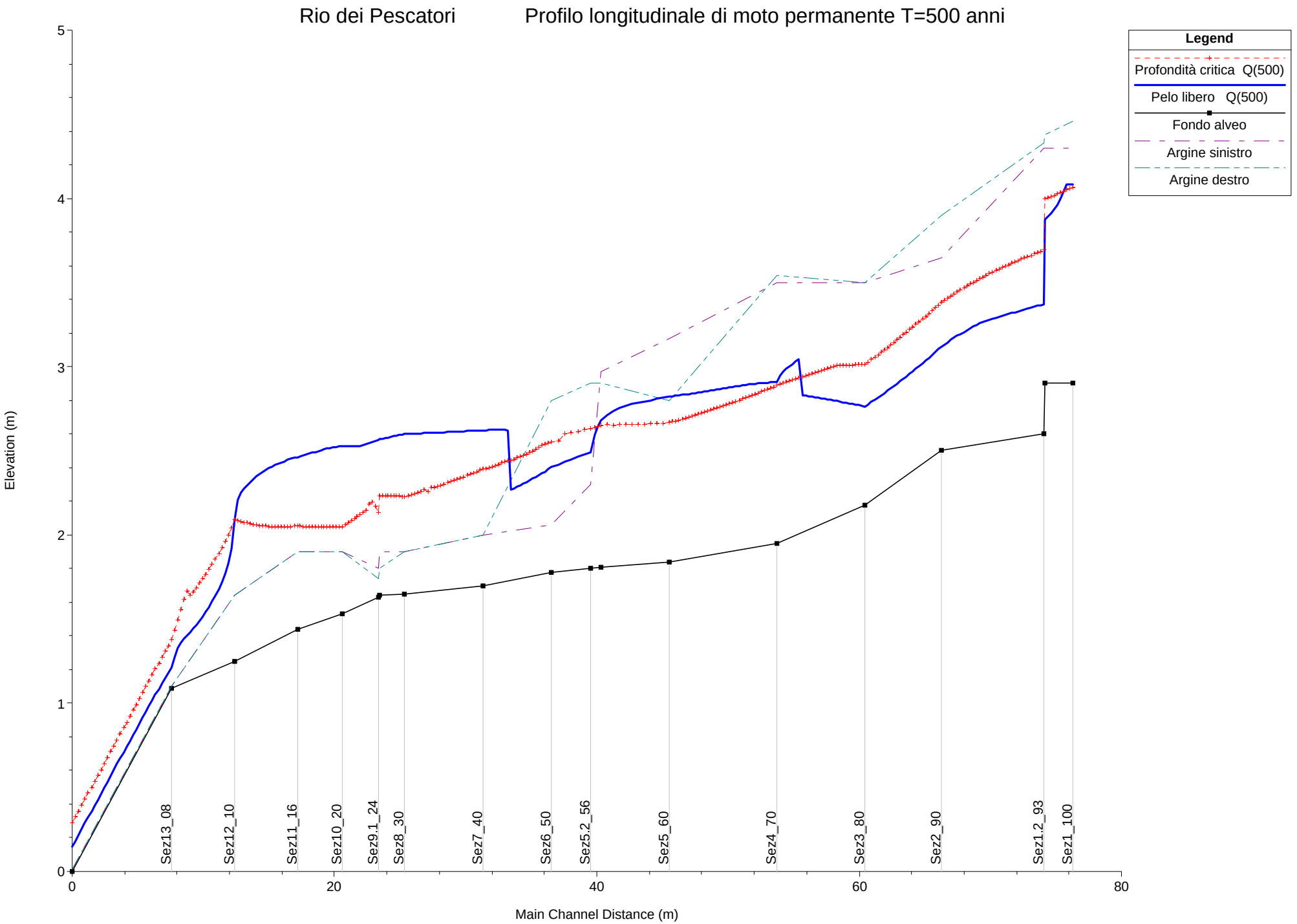
PROFILI DI RIGURGITO IN CONDIZIONI DI MOTO PERMANENTE PER LE PORTATE T=50, 200, 500 ANNI

**RIO dei PESCATORI**


Rio dei Pescatori
Profilo longitudinale di moto permanente T=50 anni
Legend
Profondità critica Q(50)
Pelo libero Q(50)
Fondo alveo
Argine sinistro
Argine destro
Elevation (m)
Main Channel Distance (m)
0
1
2
3
4
5
0
20
40
60
80
Sez13_08
Sez12_10
Sez11_16
Sez10_20
Sez9.1_24
Sez8_30
Sez7_40
Sez6_50
Sez5.2_56
Sez5_60
Sez4_70
Sez3_80
Sez2_90
Sez1.2_93
Sez1_100


Rio dei Pescatori
Profilo longitudinale di moto permanente T=200 anni
Legend
Profondità critica Q(200)
Pelo libero Q(200)
Fondo alveo
Argine sinistro
Argine destro
Elevation (m)
Main Channel Distance (m)
0
1
2
3
4
5
0
20
40
60
80
Sez13_08
Sez12_10
Sez11_16
Sez10_20
Sez9.1_24
Sez8_30
Sez7_40
Sez6_50
Sez5.2_56
Sez5_60
Sez4_70
Sez3_80
Sez2_90
Sez1.2_93
Sez1_100


Rio dei Pescatori
Profilo longitudinale di moto permanente T=500 anni
Legend
Profondità critica Q(500)
Pelo libero Q(500)
Fondo alveo
Argine sinistro
Argine destro
Elevation (m)
Main Channel Distance (m)
0
1
2
3
4
5
0
20
40
60
80
Sez13_08
Sez12_10
Sez11_16
Sez10_20
Sez9.1_24
Sez8_30
Sez7_40
Sez6_50
Sez5.2_56
Sez5_60
Sez4_70
Sez3_80
Sez2_90
Sez1.2_93
Sez1_100

GEOMETRIA DELLE SEZIONI ED ALTEZZA DEL PELO
LIBERO IN CONDIZIONI DI MOTO PERMANENTE
PER LE PORTATE T=50, 200, 500 ANNI

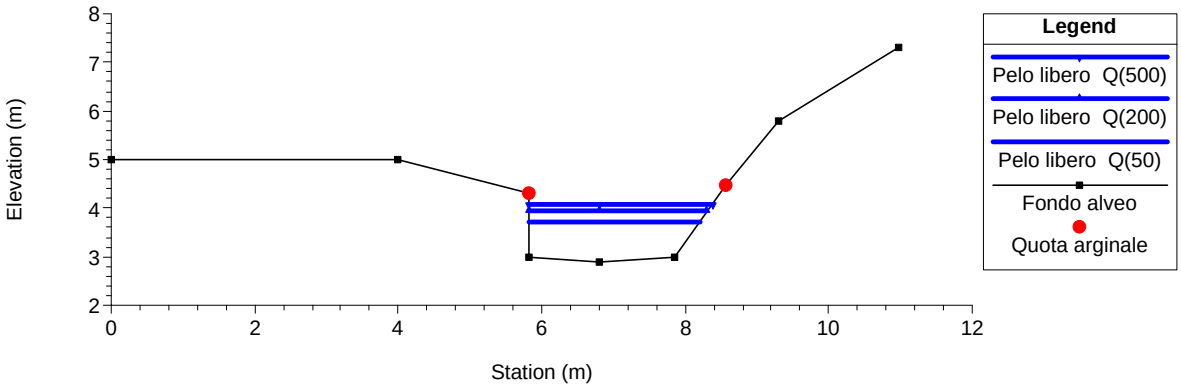
**RIO dei PESCATORI**

DALLA SEZ. 1
ALLA SEZ. 14

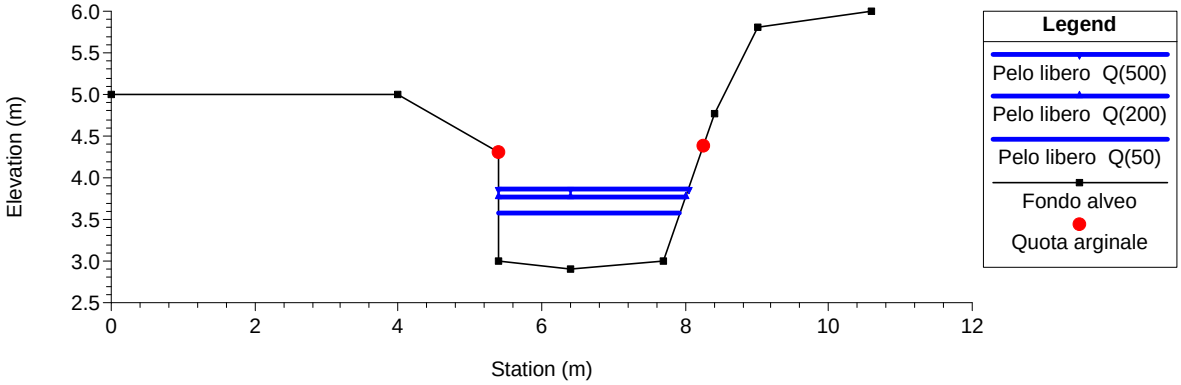
# RIO DEI PESCATORI

## *Sezioni trasversali*

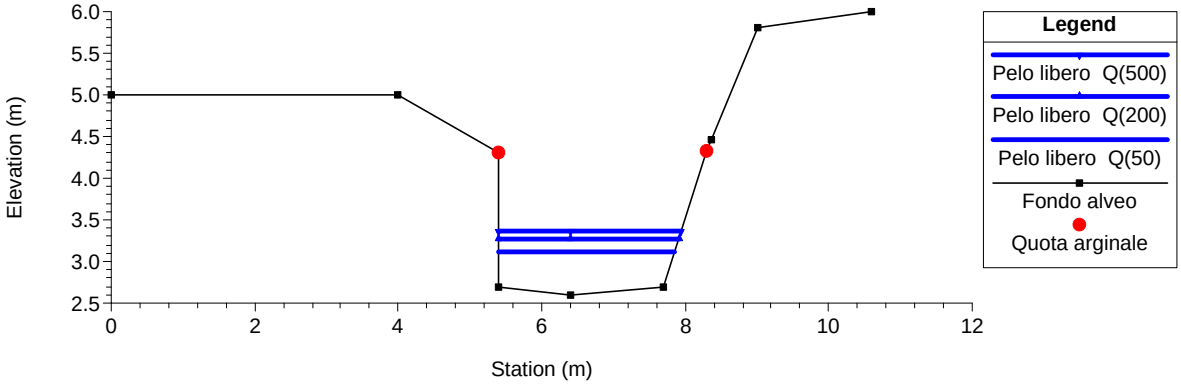
Sez1_100



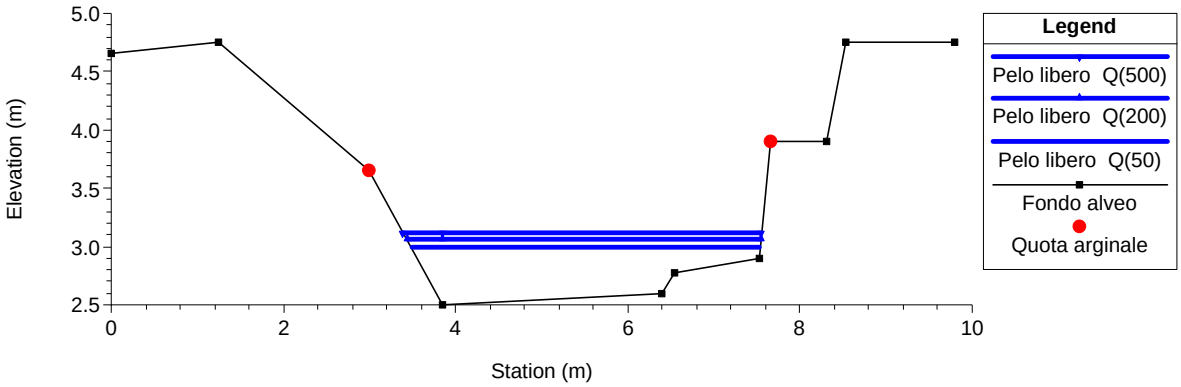

Sez1.1_95



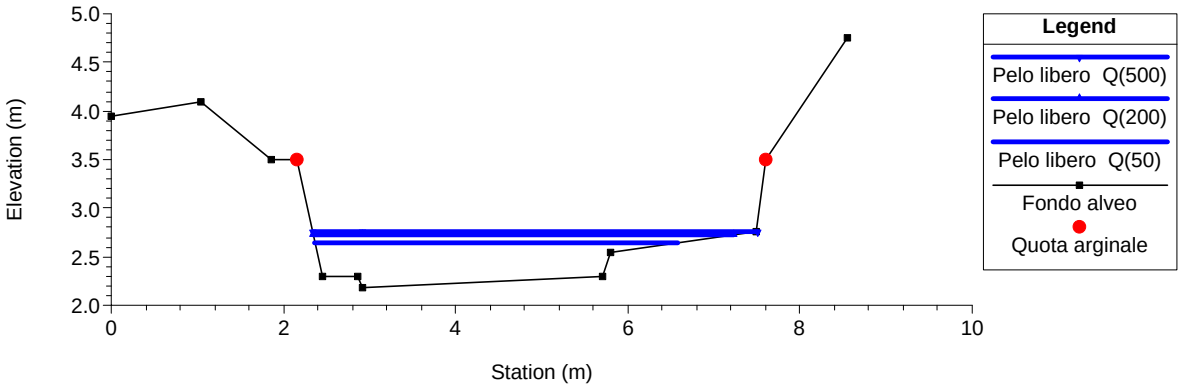

Sez1.2_93



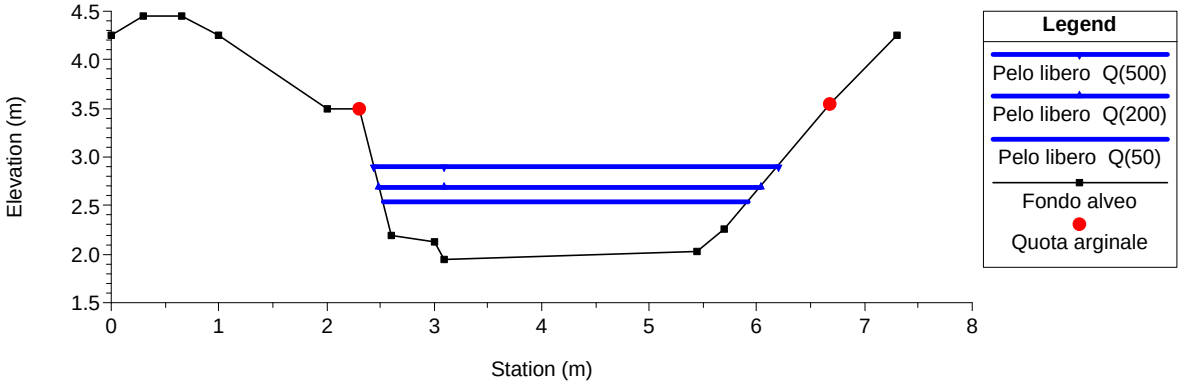
## Sez2_90



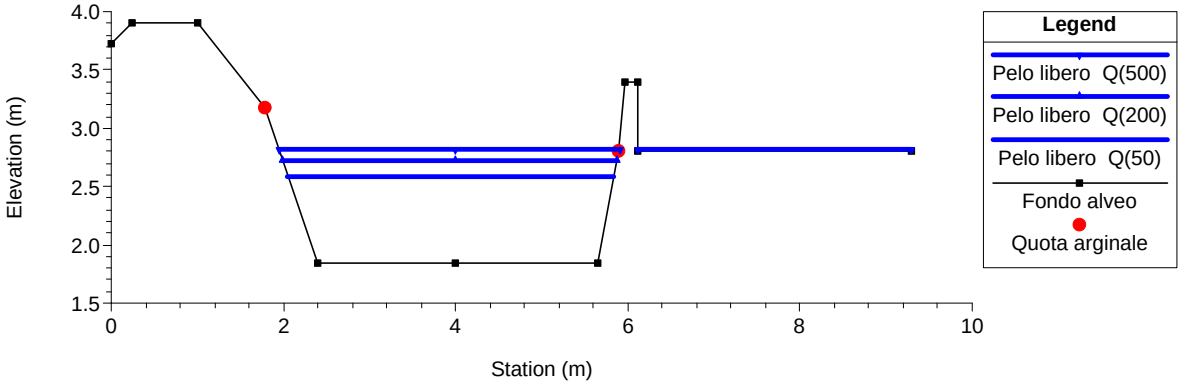

## Sez3_80



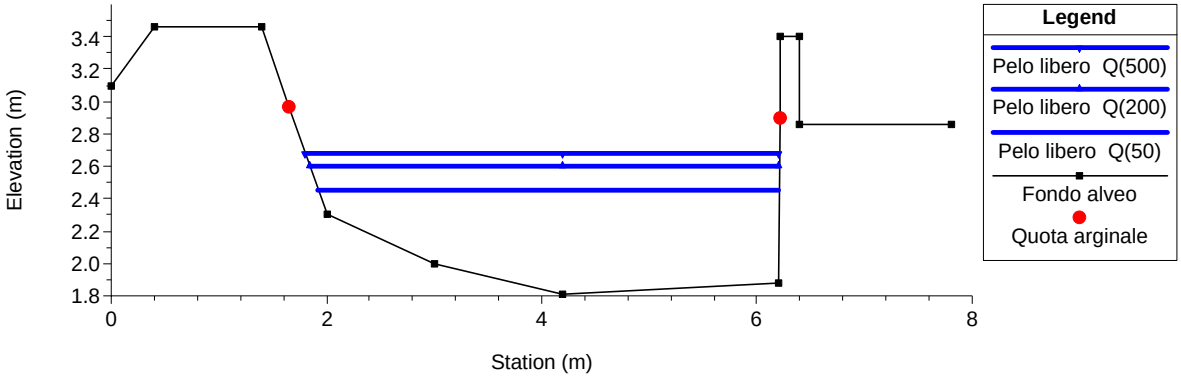

## Sez4_70



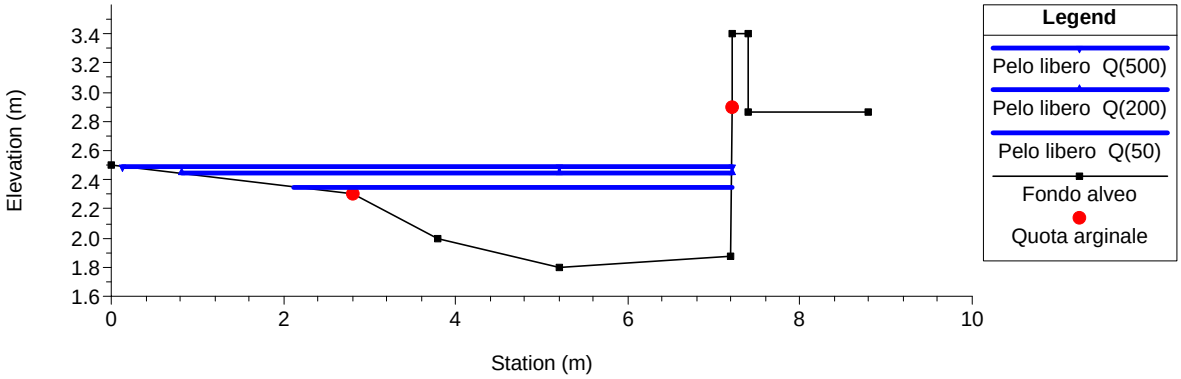

## Sez5_60



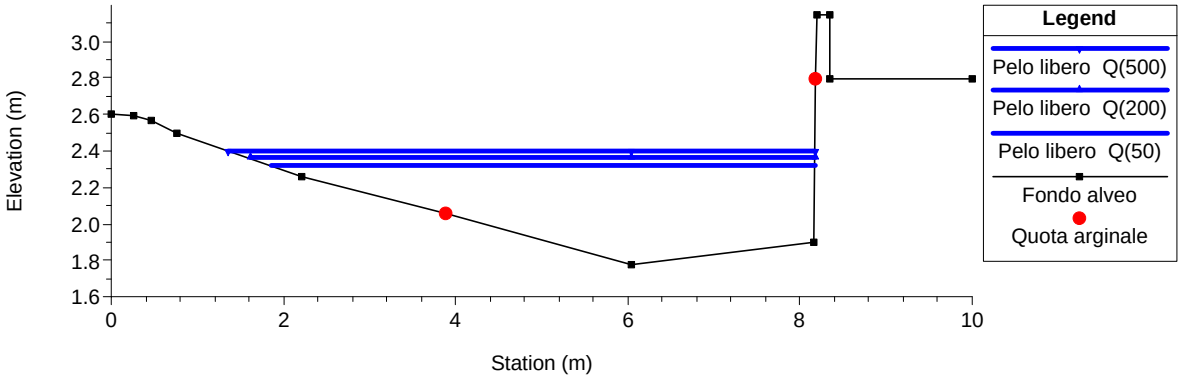
## Sez5.1_58



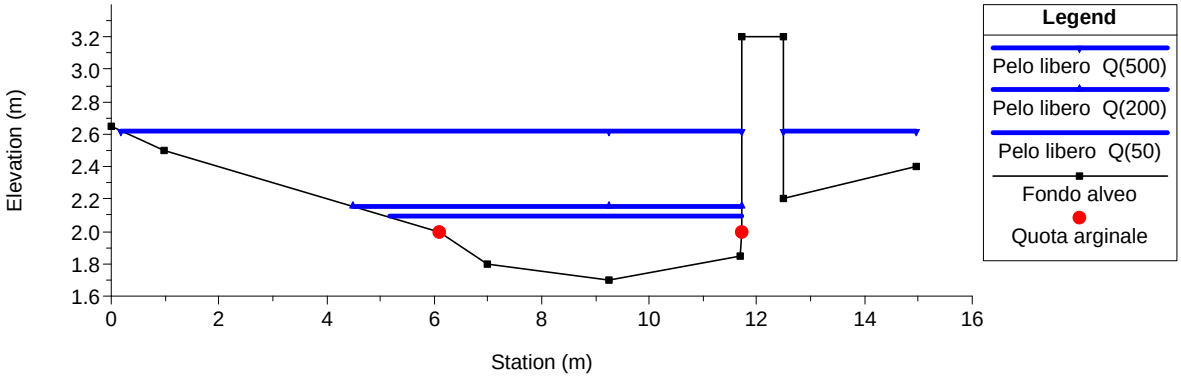

## Sez5.2_56



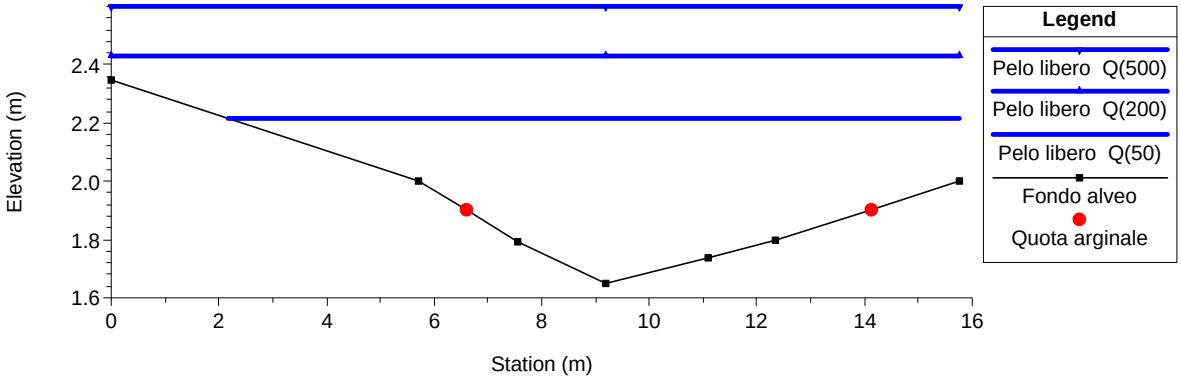

## Sez6_50



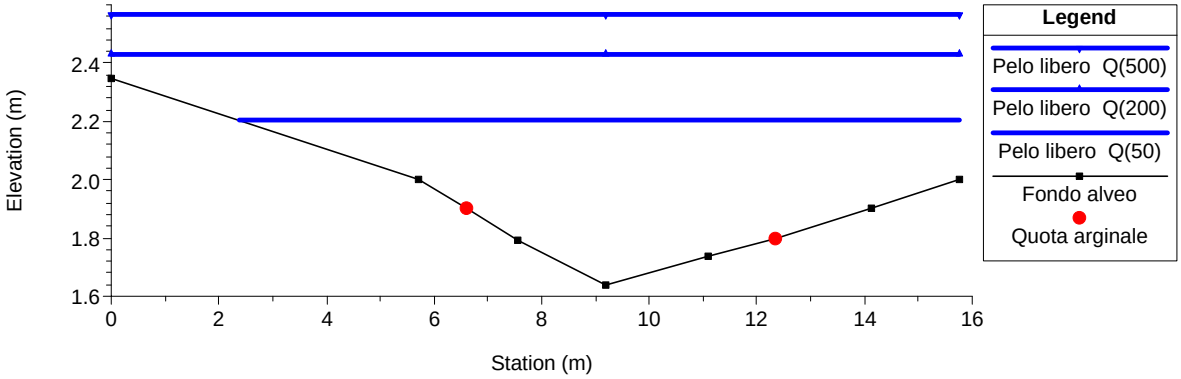

## Sez7_40



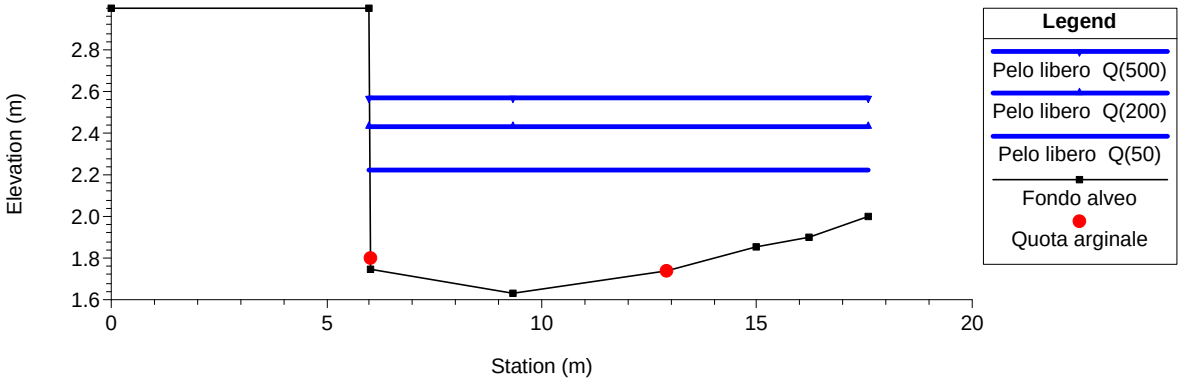
## Sez8_30



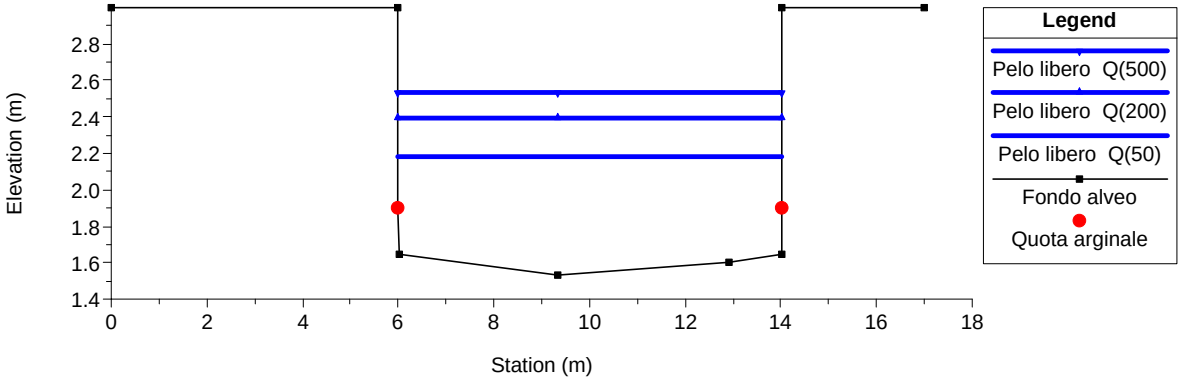

## Sez9_25



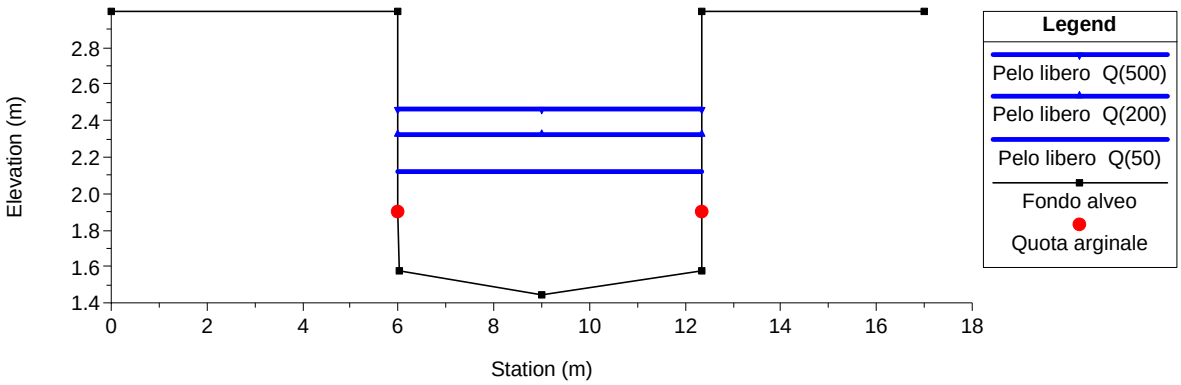

## Sez9.1_24



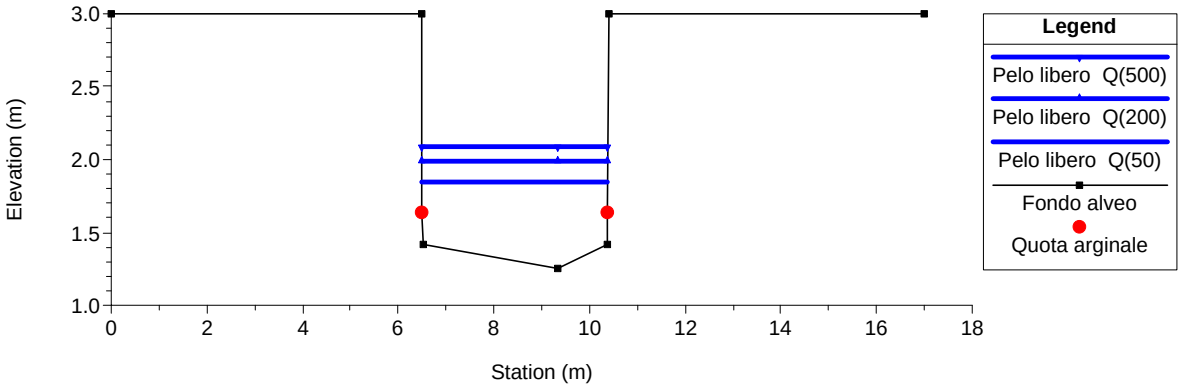

## Sez10_20



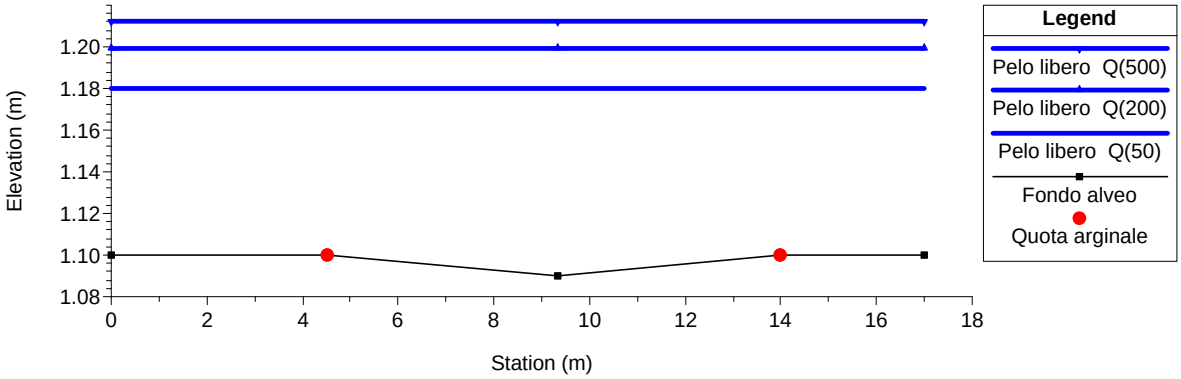
## Sez11_16



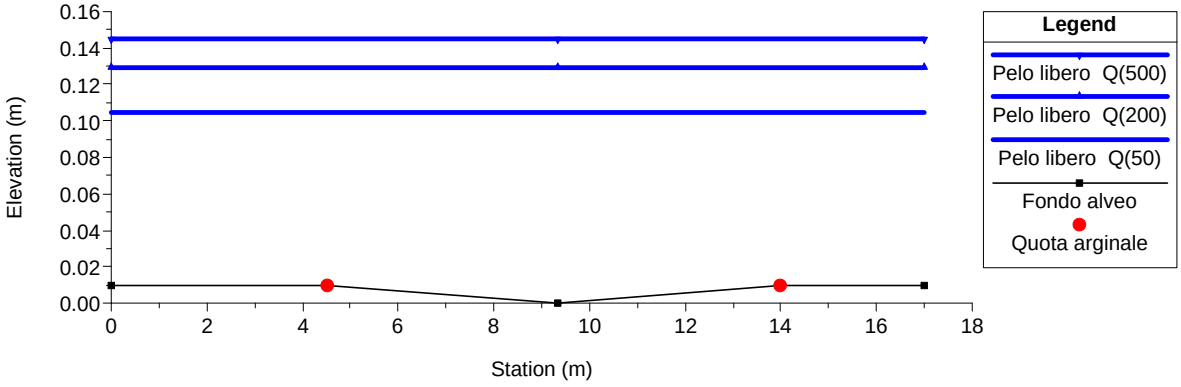

## Sez12_10




## Sez13_08




## Sez14_05



MODELLAZIONE IDRAULICA IN CONDIZIONI DI MOTO PERMANENTE:
TABELLE DELLE GRANDEZZE IDRAULICHE SIGNIFICATIVE PER LE PORTATE T=50, 200, 500 ANNI

**RIO dei PESCATORI**

| Rio dei Pescatori T=50 anni | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sezioni | Portata totale (m3/s) | Fondo alveo (m) | Argine sinistro (m) | Argine destro (m) | Pelo libero (m) | Profondità critica (m) | Energia (m2) | Velocità (m/s) | Area bagnata (m2) | N° Froude |
| 1 | 4.5 | 2.9 | 4.3 | 4.46 | 3.72 | 0.82 | 4.08 | 2.65 | 1.7 | 1 |
| 1.1 | 4.5 | 2.9 | 4.3 | 4.38 | 3.57 | 0.77 | 4.04 | 3.03 | 1.49 | 1.26 |
| 1.2 | 4.5 | 2.6 | 4.3 | 4.33 | 3.11 | 0.77 | 3.99 | 4.16 | 1.08 | 2 |
| 2 | 4.5 | 2.5 | 3.65 | 3.9 | 2.99 | 0.65 | 3.52 | 3.22 | 1.4 | 1.75 |
| 3 | 4.5 | 2.18 | 3.5 | 3.5 | 2.64 | 0.63 | 3.2 | 3.31 | 1.36 | 1.86 |
| 4 | 4.5 | 1.95 | 3.5 | 3.54 | 2.54 | 0.67 | 2.92 | 2.74 | 1.64 | 1.25 |
| 5 | 4.5 | 1.84 | 3.17 | 2.8 | 2.59 | 0.57 | 2.74 | 1.71 | 2.62 | 0.66 |
| 5.1 | 4.5 | 1.81 | 2.97 | 2.9 | 2.45 | 0.61 | 2.67 | 2.06 | 2.19 | 0.92 |
| 5.2 | 4.5 | 1.8 | 2.3 | 2.9 | 2.35 | 0.62 | 2.65 | 2.43 | 1.85 | 1.2 |
| 6 | 4.5 | 1.78 | 2.06 | 2.8 | 2.32 | 0.58 | 2.56 | 2.23 | 1.88 | 1.08 |
| 7 | 4.5 | 1.7 | 2 | 2 | 2.09 | 0.5 | 2.44 | 2.61 | 1.71 | 1.51 |
| 8 | 4.5 | 1.65 | 1.9 | 1.9 | 2.22 | 0.45 | 2.28 | 1.14 | 3.38 | 0.54 |
| 9 | 4.5 | 1.64 | 1.9 | 1.8 | 2.2 | 0.46 | 2.27 | 1.22 | 2.67 | 0.57 |
| 9.1 | 4.5 | 1.63 | 1.8 | 1.74 | 2.22 | 0.39 | 2.26 | 0.91 | 3.69 | 0.4 |
| 10 | 4.5 | 1.53 | 1.9 | 1.9 | 2.18 | 0.37 | 2.23 | 0.94 | 4.78 | 0.39 |
| 11 | 4.5 | 1.44 | 1.9 | 1.9 | 2.12 | 0.44 | 2.19 | 1.17 | 3.86 | 0.48 |
| 12 | 4.5 | 1.25 | 1.64 | 1.64 | 1.85 | 0.6 | 2.11 | 2.26 | 1.99 | 1.01 |
| 13 | 4.5 | 1.09 | 1.1 | 1.1 | 1.18 | 0.2 | 1.7 | 3.27 | 0.81 | 3.58 |
| 14 | 4.5 | 0 | 0.01 | 0.01 | 0.1 | 0.2 | 0.48 | 2.77 | 0.95 | 2.8 |

| Rio dei Pescatori T=200 anni | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sezioni | Portata totale (m3/s) | Fondo alveo (m) | Argine sinistro (m) | Argine destro (m) | Pelo libero (m) | Profondità critica (m) | Energia (m2) | Velocità (m/s) | Area bagnata (m2) | N° Froude |
| 1 | 6.5 | 2.9 | 4.3 | 4.46 | 3.94 | 1.03 | 4.37 | 2.93 | 2.22 | 0.99 |
| 1.1 | 6.5 | 2.9 | 4.3 | 4.38 | 3.77 | 0.96 | 4.31 | 3.26 | 1.99 | 1.19 |
| 1.2 | 6.5 | 2.6 | 4.3 | 4.33 | 3.26 | 0.96 | 4.26 | 4.42 | 1.47 | 1.84 |
| 2 | 6.5 | 2.5 | 3.65 | 3.9 | 3.06 | 0.79 | 3.81 | 3.83 | 1.7 | 1.9 |
| 3 | 6.5 | 2.18 | 3.5 | 3.5 | 2.72 | 0.75 | 3.46 | 3.82 | 1.7 | 2.06 |
| 4 | 6.5 | 1.95 | 3.5 | 3.54 | 2.69 | 0.83 | 3.15 | 2.98 | 2.18 | 1.21 |
| 5 | 6.5 | 1.84 | 3.17 | 2.8 | 2.73 | 0.72 | 2.95 | 2.06 | 3.16 | 0.73 |
| 5.1 | 6.5 | 1.81 | 2.97 | 2.9 | 2.6 | 0.75 | 2.87 | 2.32 | 2.81 | 0.92 |
| 5.2 | 6.5 | 1.8 | 2.3 | 2.9 | 2.44 | 0.76 | 2.84 | 2.83 | 2.25 | 1.26 |
| 6 | 6.5 | 1.78 | 2.06 | 2.8 | 2.36 | 0.7 | 2.76 | 2.9 | 2.06 | 1.34 |
| 7 | 6.5 | 1.7 | 2 | 2 | 2.16 | 0.61 | 2.62 | 3.06 | 2.08 | 1.6 |
| 8 | 6.5 | 1.65 | 1.9 | 1.9 | 2.43 | 0.53 | 2.47 | 0.99 | 4.97 | 0.39 |
| 9 | 6.5 | 1.64 | 1.9 | 1.8 | 2.43 | 0.54 | 2.47 | 1.02 | 3.94 | 0.39 |
| 9.1 | 6.5 | 1.63 | 1.8 | 1.74 | 2.43 | 0.46 | 2.47 | 0.9 | 5.13 | 0.33 |
| 10 | 6.5 | 1.53 | 1.9 | 1.9 | 2.39 | 0.46 | 2.44 | 1.01 | 6.46 | 0.36 |
| 11 | 6.5 | 1.44 | 1.9 | 1.9 | 2.32 | 0.54 | 2.4 | 1.26 | 5.15 | 0.45 |
| 12 | 6.5 | 1.25 | 1.64 | 1.64 | 1.99 | 0.74 | 2.32 | 2.55 | 2.55 | 1 |
| 13 | 6.5 | 1.09 | 1.1 | 1.1 | 1.2 | 0.25 | 1.91 | 3.82 | 0.99 | 3.78 |
| 14 | 6.5 | 0 | 0.01 | 0.01 | 0.13 | 0.25 | 0.63 | 3.2 | 1.18 | 2.9 |

| Rio dei Pescatori T=500 anni | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sezioni | Portata totale (m3/s) | Fondo alveo (m) | Argine sinistro (m) | Argine destro (m) | Pelo libero (m) | Profondità critica (m) | Energia (m2) | Velocità (m/s) | Area bagnata (m2) | N° Froude |
| 1 | 8 | 2.9 | 4.3 | 4.46 | 4.08 | 1.17 | 4.57 | 3.1 | 2.58 | 0.98 |
| 1.1 | 8 | 2.9 | 4.3 | 4.38 | 3.87 | 1.1 | 4.5 | 3.51 | 2.28 | 1.21 |
| 1.2 | 8 | 2.6 | 4.3 | 4.33 | 3.37 | 1.09 | 4.45 | 4.61 | 1.73 | 1.79 |
| 2 | 8 | 2.5 | 3.65 | 3.9 | 3.12 | 0.88 | 3.99 | 4.14 | 1.93 | 1.94 |
| 3 | 8 | 2.18 | 3.5 | 3.5 | 2.76 | 0.83 | 3.64 | 4.15 | 1.93 | 2.17 |
| 4 | 8 | 1.95 | 3.5 | 3.54 | 2.91 | 0.94 | 3.28 | 2.7 | 2.97 | 0.97 |
| 5 | 8 | 1.84 | 3.17 | 2.8 | 2.82 | 0.83 | 3.08 | 2.27 | 3.51 | 0.77 |
| 5.1 | 8 | 1.81 | 2.97 | 2.9 | 2.68 | 0.84 | 3 | 2.52 | 3.17 | 0.95 |
| 5.2 | 8 | 1.8 | 2.3 | 2.9 | 2.49 | 0.83 | 2.97 | 3.13 | 2.47 | 1.33 |
| 6 | 8 | 1.78 | 2.06 | 2.8 | 2.4 | 0.77 | 2.89 | 3.22 | 2.24 | 1.42 |
| 7 | 8 | 1.7 | 2 | 2 | 2.62 | 0.69 | 2.69 | 1.31 | 4.69 | 0.46 |
| 8 | 8 | 1.65 | 1.9 | 1.9 | 2.6 | 0.58 | 2.63 | 0.89 | 6.26 | 0.31 |
| 9 | 8 | 1.64 | 1.9 | 1.8 | 2.57 | 0.59 | 2.61 | 0.96 | 4.76 | 0.34 |
| 9.1 | 8 | 1.63 | 1.8 | 1.74 | 2.57 | 0.5 | 2.6 | 0.92 | 6.06 | 0.31 |
| 10 | 8 | 1.53 | 1.9 | 1.9 | 2.53 | 0.52 | 2.59 | 1.06 | 7.58 | 0.35 |
| 11 | 8 | 1.44 | 1.9 | 1.9 | 2.46 | 0.61 | 2.55 | 1.32 | 6.04 | 0.43 |
| 12 | 8 | 1.25 | 1.64 | 1.64 | 2.09 | 0.84 | 2.47 | 2.74 | 2.92 | 1.01 |
| 13 | 8 | 1.09 | 1.1 | 1.1 | 1.21 | 0.29 | 2.06 | 4.16 | 1.12 | 3.88 |
| 14 | 8 | 0 | 0.01 | 0.01 | 0.15 | 0.29 | 0.74 | 3.47 | 1.33 | 2.96 |