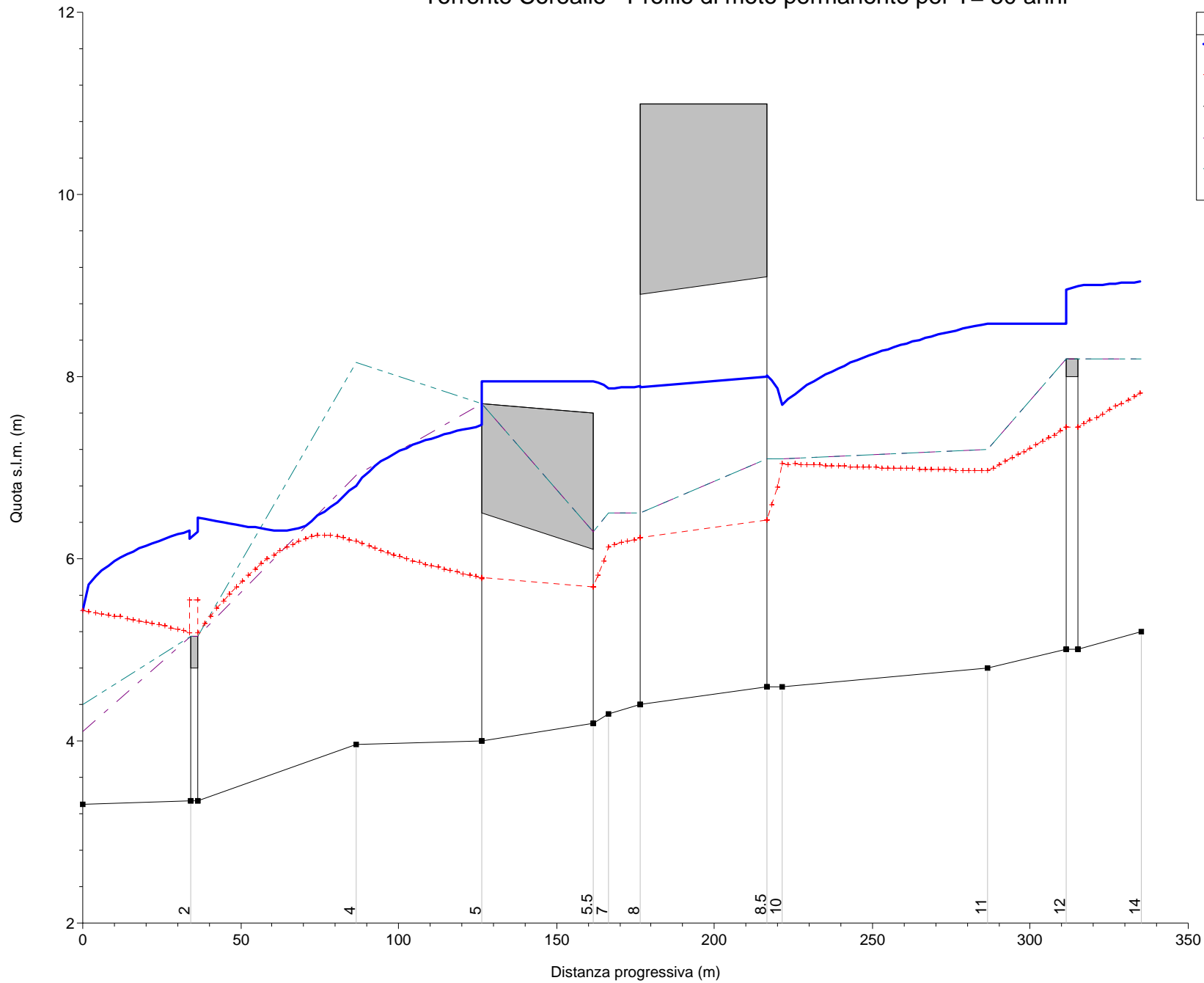


PROFILI DI RIGURGITO IN CONDIZIONI DI MOTO PERMANENTE
PER LE PORTATE T=50, 200, 500 ANNI

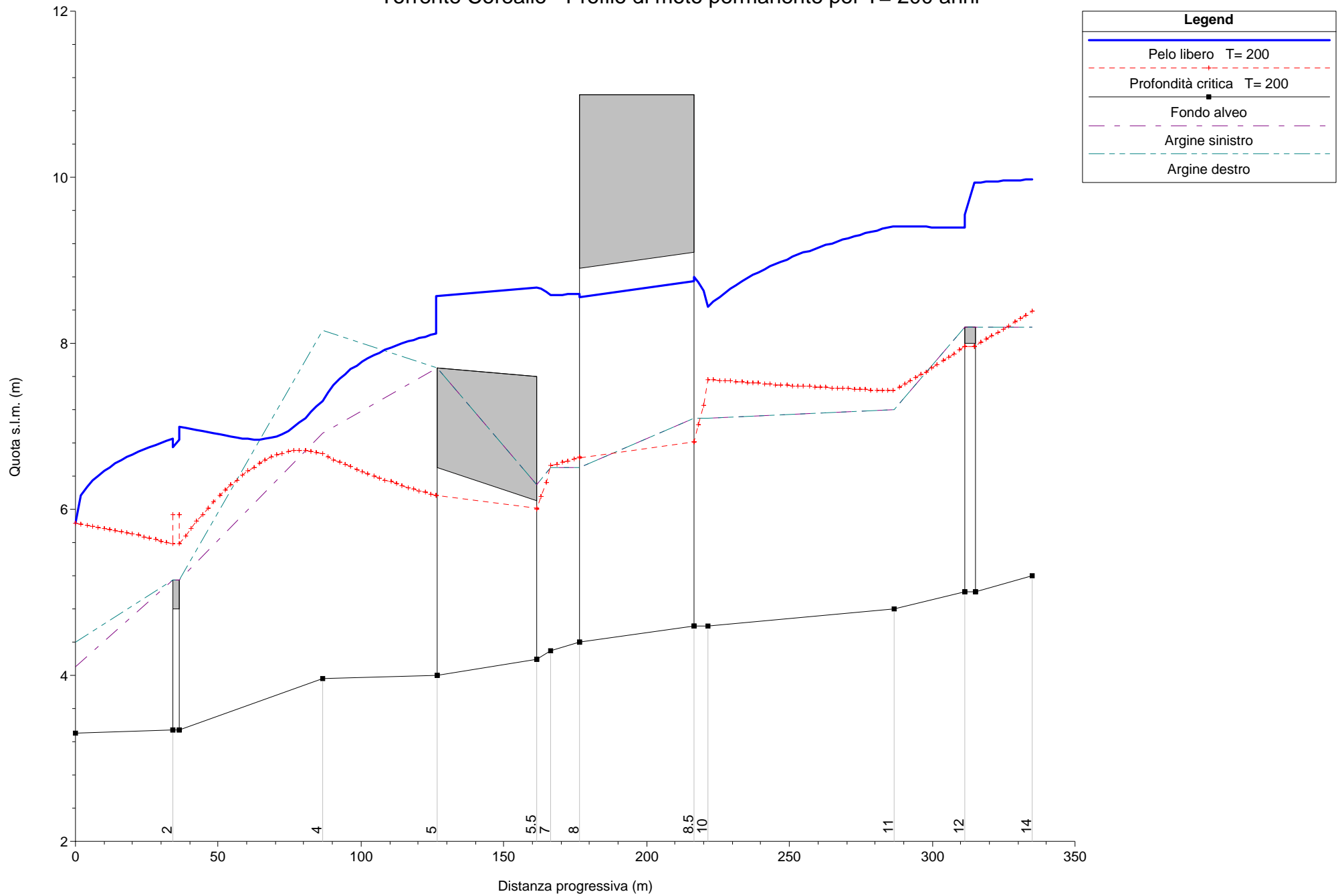
COREALLO

Torrente Coreallo - Profilo di moto permanente per T= 50 anni

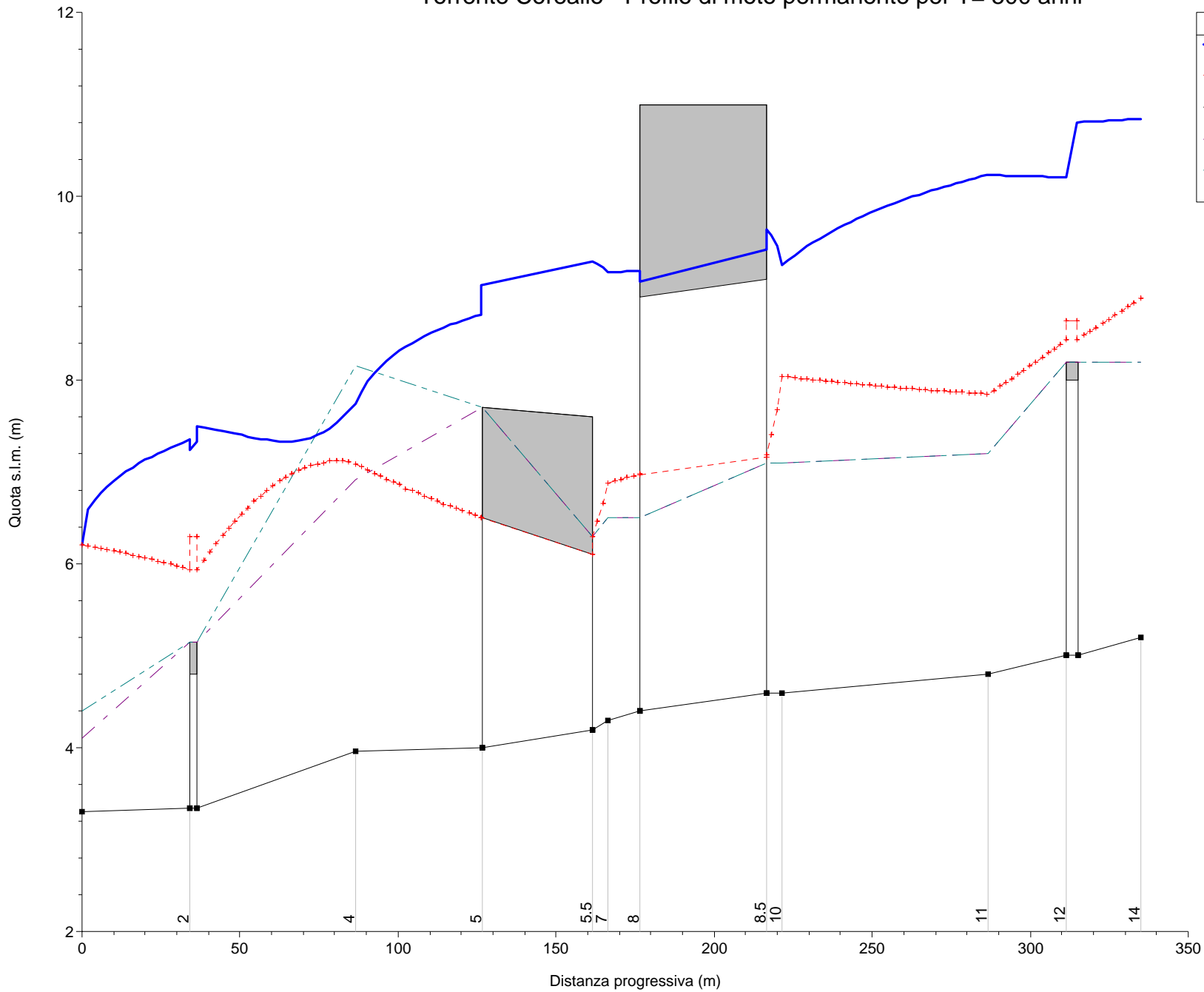


| Legend | |
|--------|--------------------------|
| | Pelo libero T= 50 |
| | Profondità critica T= 50 |
| | Fondo alveo |
| | Argine sinistro |
| | Argine destro |

Torrente Coreallo - Profilo di moto permanente per T= 200 anni



Torrente Coreallo - Profilo di moto permanente per T= 500 anni



| Legend | |
|--------|---------------------------|
| | Pelo libero T= 500 |
| | Profondità critica T= 500 |
| | Fondo alveo |
| | Argine sinistro |
| | Argine destro |

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

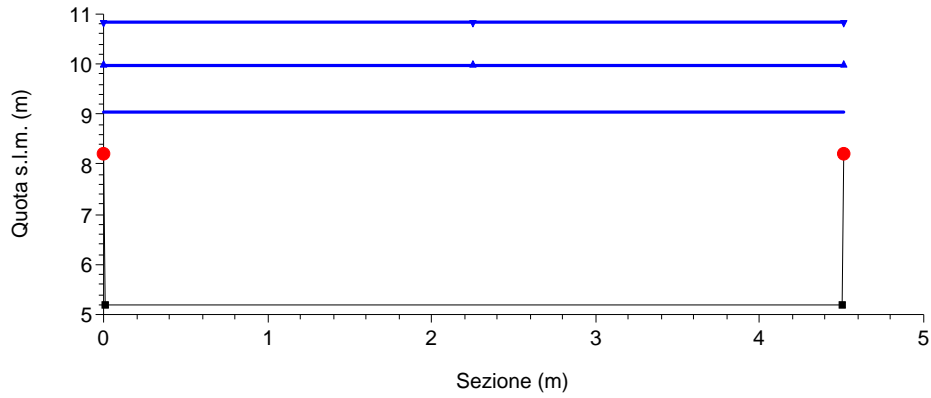
COREALLO

DALLA SEZ. 1
ALLA SEZ. 14

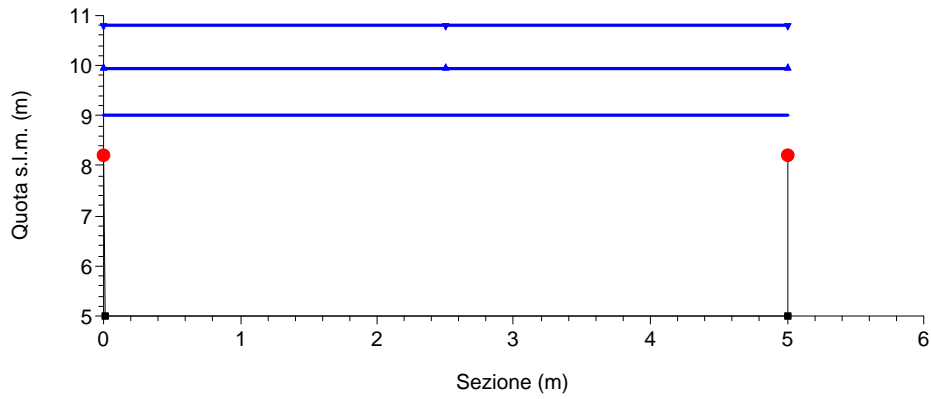
RIO COREALLO

Sezioni trasversali

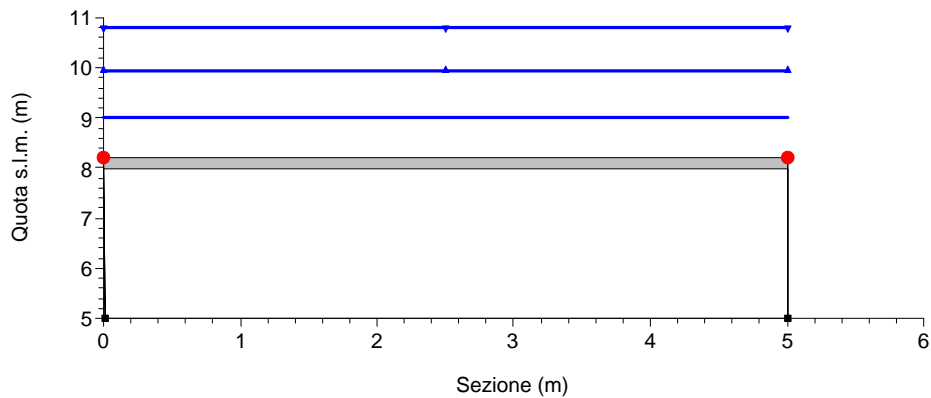
RS = 14



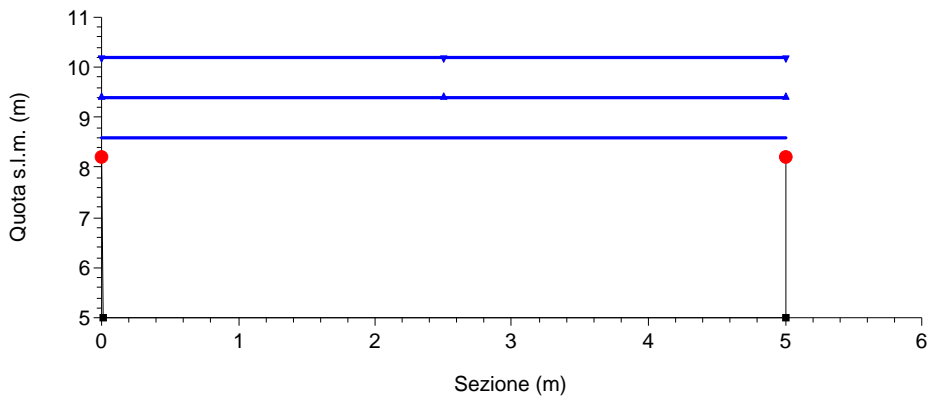
RS = 13



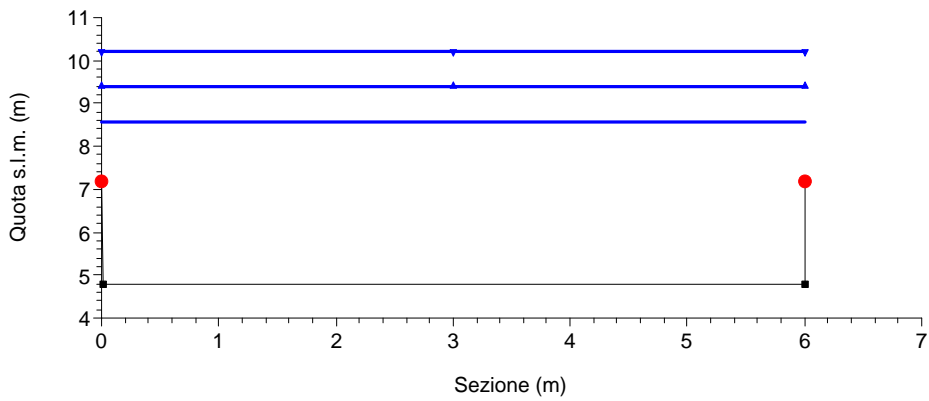
RS = 12.5 BR U



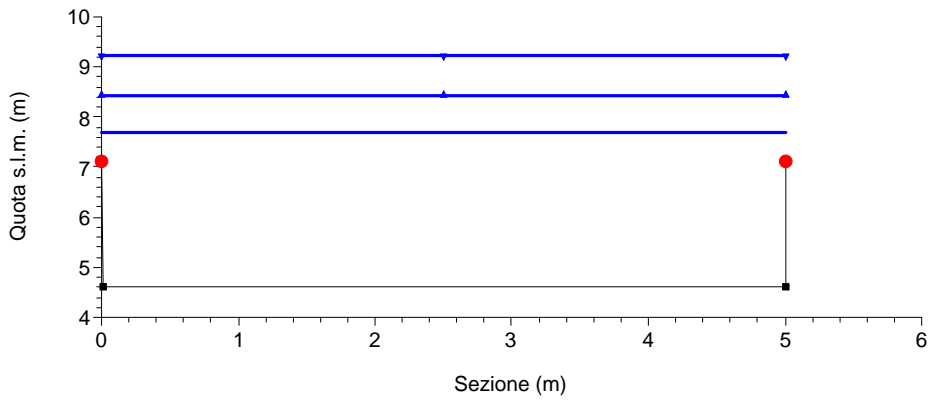
RS = 12



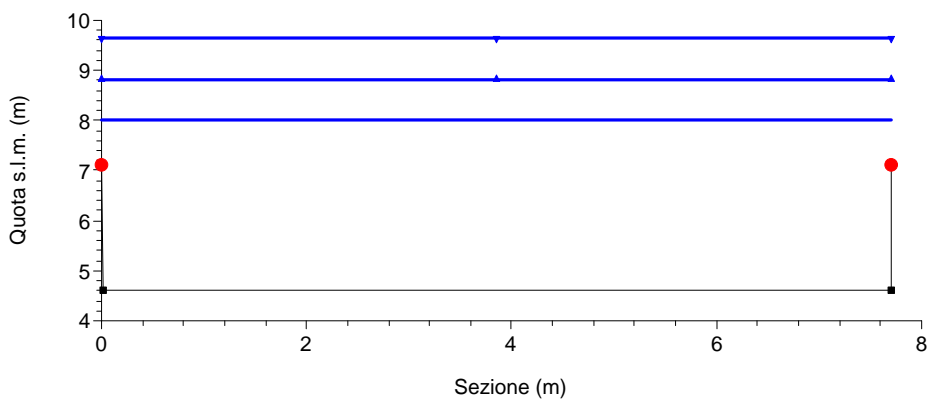
RS = 11



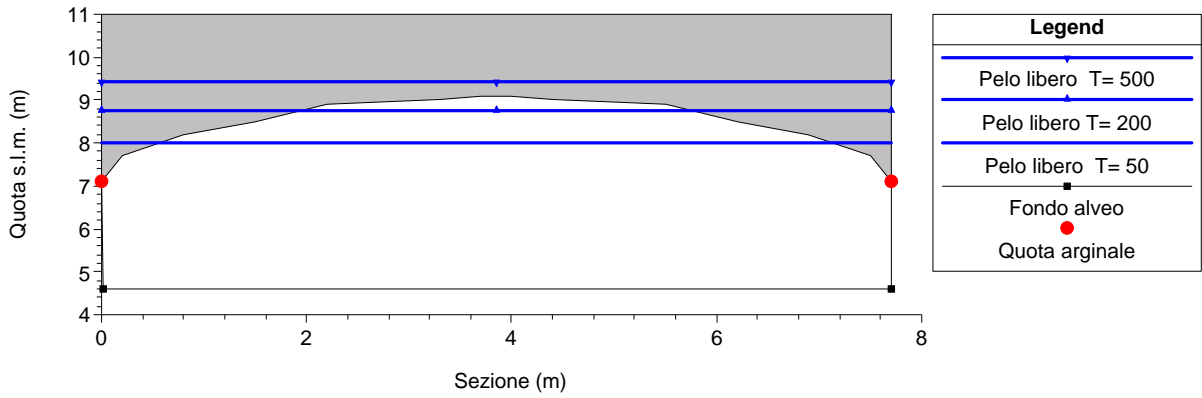
RS = 10



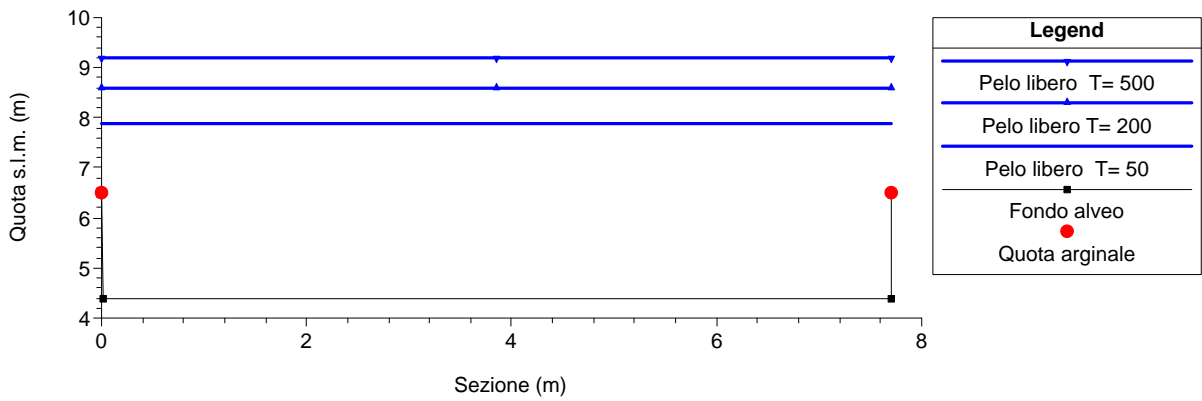
RS = 9



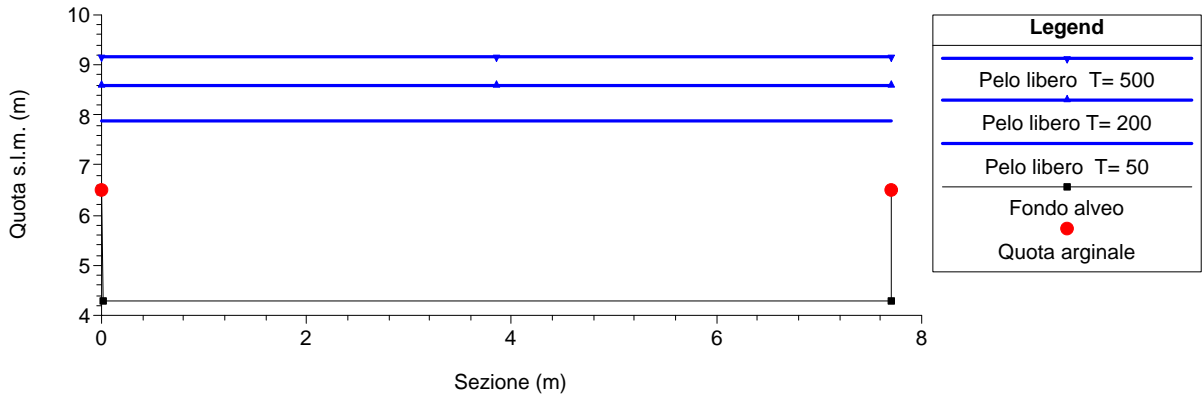
RS = 8.5 BR U



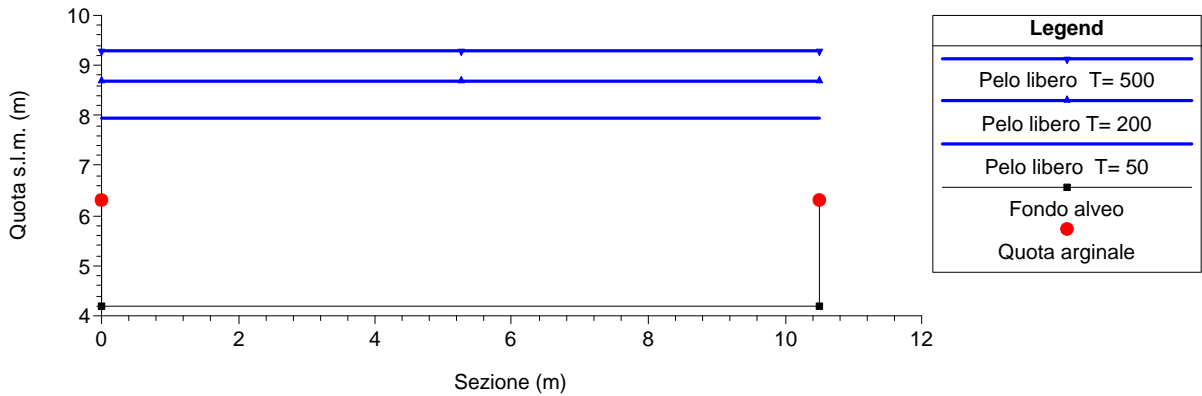
RS = 8



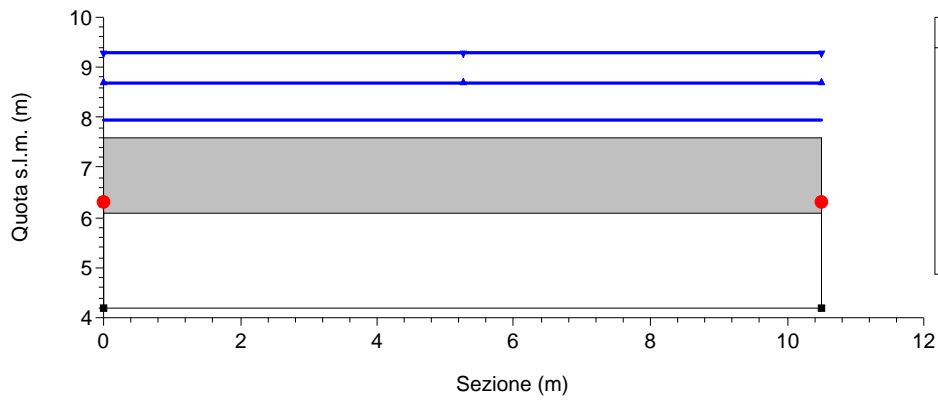
RS = 7



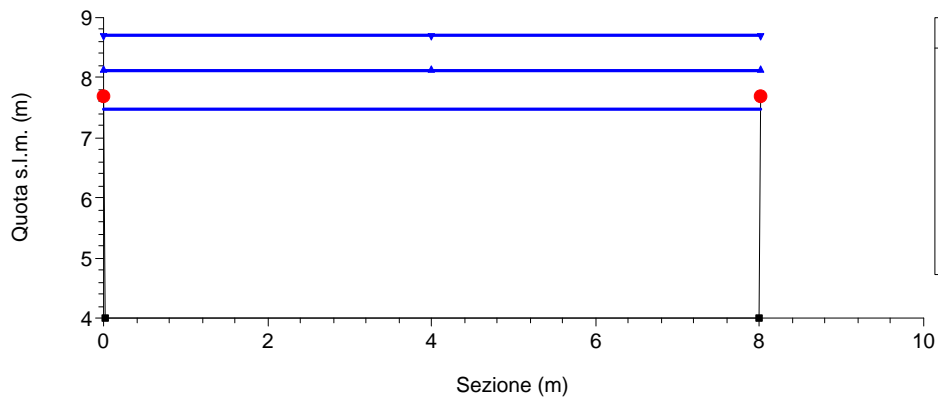
RS = 6



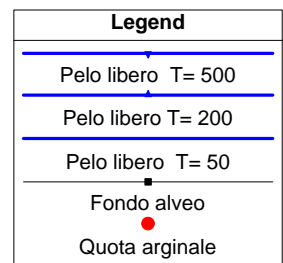
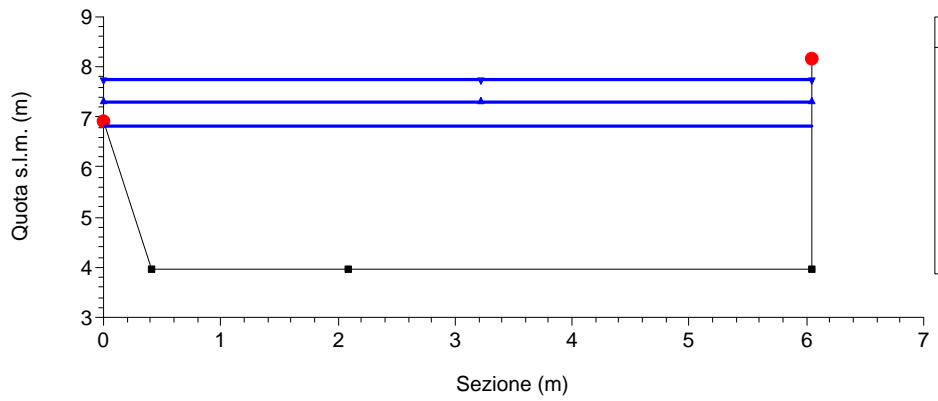
RS = 5.5 BR U



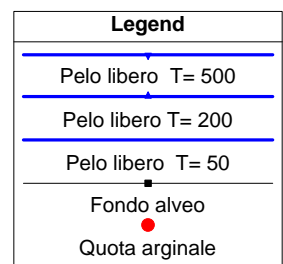
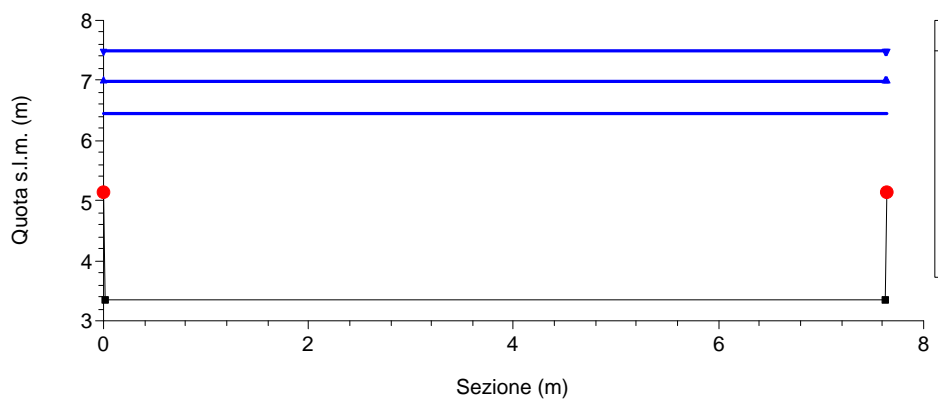
RS = 5



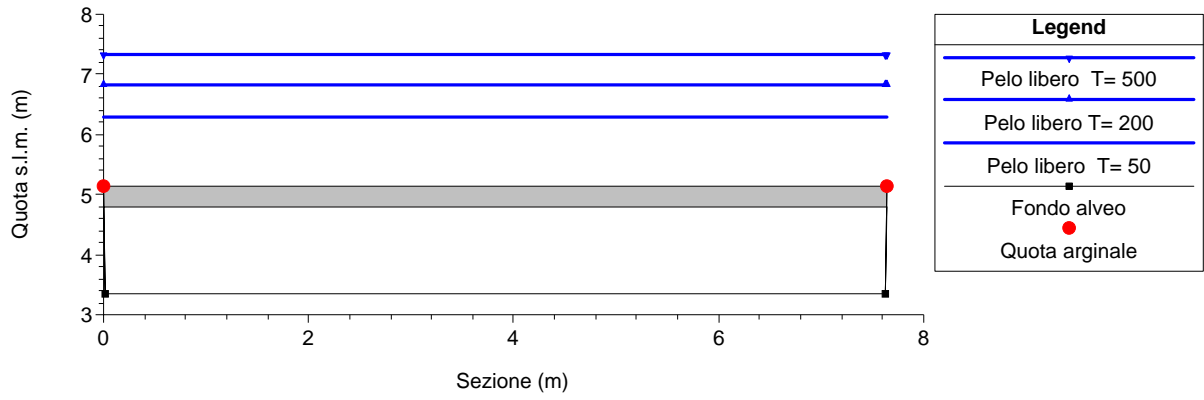
RS = 4



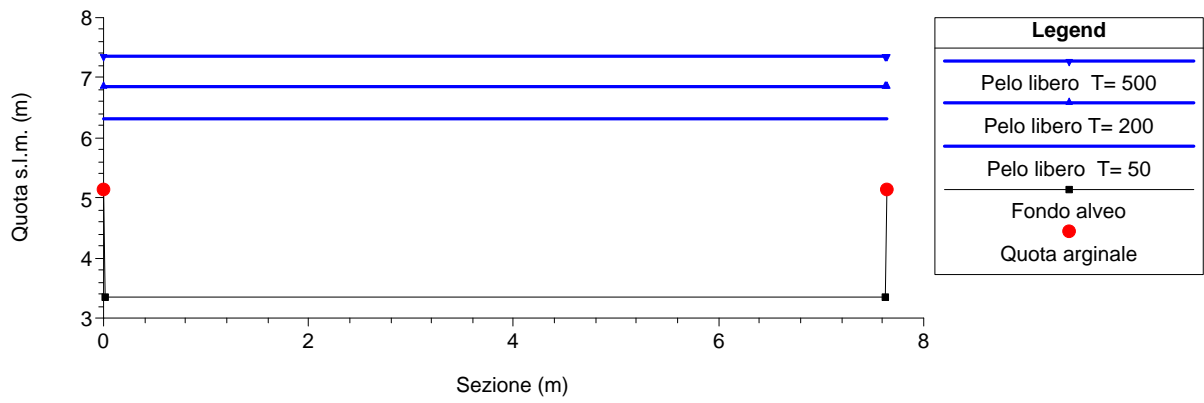
RS = 3



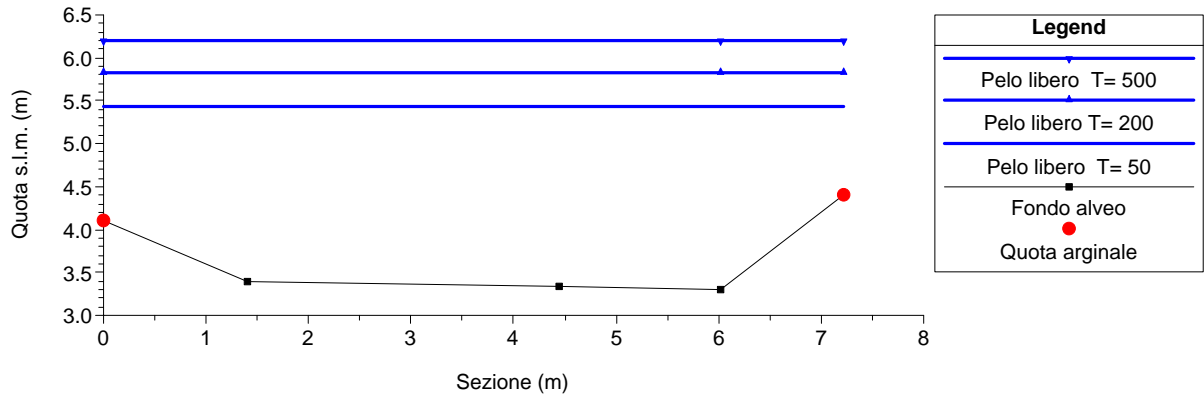
RS = 2.5 BR U



RS = 2



RS = 1



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

COREALLO

Torrente Coreallo 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 |
|---------|-----------------------|-----------------|---------------------|-------------------|-----------------|------------------------|--------------|----------------|-------------------|-----------|
| 14 | 60 | 5,2 | 8,2 | 8,2 | 9,09 | 7,82 | 9,69 | 3,42 | 17,53 | 0,55 |
| 13 | 60 | 5 | 8,2 | 8,2 | 9,08 | 7,44 | 9,52 | 2,94 | 20,4 | 0,47 |
| 12,5 | Bridge | | | | | | | | | |
| 12 | 60 | 5 | 8,2 | 8,2 | 8,67 | 7,44 | 9,21 | 3,27 | 18,35 | 0,55 |
| 11 | 60 | 4,8 | 7,2 | 7,2 | 8,67 | 6,96 | 9,01 | 2,58 | 23,24 | 0,42 |
| 10 | 60 | 4,6 | 7,1 | 7,1 | 7,72 | 7,04 | 8,48 | 3,84 | 15,63 | 0,69 |
| 9 | 60 | 4,6 | 7,1 | 7,1 | 8,04 | 6,44 | 8,3 | 2,27 | 26,48 | 0,39 |
| 8,5 | Bridge | | | | | | | | | |
| 8 | 60 | 4,4 | 6,5 | 6,5 | 7,92 | 6,24 | 8,17 | 2,21 | 27,11 | 0,38 |
| 7 | 60 | 4,3 | 6,5 | 6,5 | 7,9 | 6,14 | 8,14 | 2,16 | 27,75 | 0,36 |
| 6 | 60 | 4,2 | 6,3 | 6,3 | 7,98 | 5,69 | 8,09 | 1,51 | 39,66 | 0,25 |
| 5,5 | Bridge | | | | | | | | | |
| 5 | 60 | 4 | 7,7 | 7,7 | 7,49 | 5,79 | 7,73 | 2,15 | 27,96 | 0,37 |
| 4 | 60 | 3,96 | 6,91 | 8,16 | 6,79 | 6,19 | 7,46 | 3,64 | 16,5 | 0,7 |
| 3 | 60 | 3,34 | 5,15 | 5,15 | 6,48 | 5,19 | 6,8 | 2,51 | 23,9 | 0,45 |
| 2,5 | Bridge | | | | | | | | | |
| 2 | 60 | 3,34 | 5,15 | 5,15 | 6,35 | 5,19 | 6,7 | 2,62 | 22,92 | 0,48 |
| 1 | 60 | 3,3 | 4,1 | 4,4 | 5,42 | 5,42 | 6,38 | 4,34 | 13,83 | 1 |

Torrente Coreallo 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 |
|---------|-----------------------|-----------------|---------------------|-------------------|-----------------|------------------------|--------------|----------------|-------------------|-----------|
| 14 | 80 | 5,2 | 8,2 | 8,2 | 10,02 | 8,38 | 10,71 | 3,68 | 21,71 | 0,54 |
| 13 | 80 | 5 | 8,2 | 8,2 | 10,01 | 7,97 | 10,53 | 3,19 | 25,05 | 0,46 |
| 12,5 | Bridge | | | | | | | | | |
| 12 | 80 | 5 | 8,2 | 8,2 | 9,48 | 7,97 | 10,13 | 3,57 | 22,42 | 0,54 |
| 11 | 80 | 4,8 | 7,2 | 7,2 | 9,49 | 7,43 | 9,9 | 2,84 | 28,19 | 0,42 |
| 10 | 80 | 4,6 | 7,1 | 7,1 | 8,46 | 7,56 | 9,33 | 4,14 | 19,32 | 0,67 |
| 9 | 80 | 4,6 | 7,1 | 7,1 | 8,83 | 6,82 | 9,13 | 2,46 | 32,57 | 0,38 |
| 8,5 | Bridge | | | | | | | | | |
| 8 | 80 | 4,4 | 6,5 | 6,5 | 8,62 | 6,62 | 8,93 | 2,46 | 32,52 | 0,38 |
| 7 | 80 | 4,3 | 6,5 | 6,5 | 8,6 | 6,52 | 8,9 | 2,41 | 33,13 | 0,37 |
| 6 | 80 | 4,2 | 6,3 | 6,3 | 8,69 | 6 | 8,84 | 1,69 | 47,21 | 0,26 |
| 5,5 | Bridge | | | | | | | | | |
| 5 | 80 | 4 | 7,7 | 7,7 | 8,14 | 6,16 | 8,44 | 2,41 | 33,15 | 0,38 |
| 4 | 80 | 3,96 | 6,91 | 8,16 | 7,27 | 6,67 | 8,13 | 4,13 | 19,38 | 0,74 |
| 3 | 80 | 3,34 | 5,15 | 5,15 | 7,03 | 5,58 | 7,44 | 2,85 | 28,11 | 0,47 |
| 2,5 | Bridge | | | | | | | | | |
| 2 | 80 | 3,34 | 5,15 | 5,15 | 6,89 | 5,58 | 7,34 | 2,95 | 27,08 | 0,5 |
| 1 | 80 | 3,3 | 4,1 | 4,4 | 5,83 | 5,83 | 6,99 | 4,77 | 16,76 | 1 |

Torrente Coreallo 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 |
|---------|-----------------------|-----------------|---------------------|-------------------|-----------------|------------------------|--------------|----------------|-------------------|-----------|
| 14 | 100 | 5,2 | 8,2 | 8,2 | 10,9 | 8,89 | 11,67 | 3,9 | 25,66 | 0,52 |
| 13 | 100 | 5 | 8,2 | 8,2 | 10,87 | 8,44 | 11,46 | 3,4 | 29,39 | 0,45 |
| 12,5 | Bridge | | | | | | | | | |
| 12 | 100 | 5 | 8,2 | 8,2 | 10,3 | 8,44 | 11,02 | 3,77 | 26,5 | 0,52 |
| 11 | 100 | 4,8 | 7,2 | 7,2 | 10,31 | 7,84 | 10,78 | 3,02 | 33,12 | 0,41 |
| 10 | 100 | 4,6 | 7,1 | 7,1 | 9,27 | 8,04 | 10,2 | 4,28 | 23,38 | 0,63 |
| 9 | 100 | 4,6 | 7,1 | 7,1 | 9,66 | 7,18 | 10 | 2,57 | 38,99 | 0,36 |
| 8,5 | Bridge | | | | | | | | | |
| 8 | 100 | 4,4 | 6,5 | 6,5 | 9,21 | 6,97 | 9,58 | 2,7 | 37,07 | 0,39 |
| 7 | 100 | 4,3 | 6,5 | 6,5 | 9,19 | 6,88 | 9,55 | 2,66 | 37,66 | 0,38 |
| 6 | 100 | 4,2 | 6,3 | 6,3 | 9,31 | 6,3 | 9,48 | 1,86 | 53,63 | 0,26 |
| 5,5 | Bridge | | | | | | | | | |
| 5 | 100 | 4 | 7,7 | 7,7 | 8,74 | 6,51 | 9,09 | 2,64 | 37,92 | 0,39 |
| 4 | 100 | 3,96 | 6,91 | 8,16 | 7,7 | 7,09 | 8,75 | 4,54 | 22,03 | 0,76 |
| 3 | 100 | 3,34 | 5,15 | 5,15 | 7,53 | 5,94 | 8,03 | 3,13 | 31,95 | 0,49 |
| 2,5 | Bridge | | | | | | | | | |
| 2 | 100 | 3,34 | 5,15 | 5,15 | 7,39 | 5,94 | 7,92 | 3,24 | 30,87 | 0,51 |
| 1 | 100 | 3,3 | 4,1 | 4,4 | 6,2 | 6,2 | 7,55 | 5,14 | 19,45 | 1 |