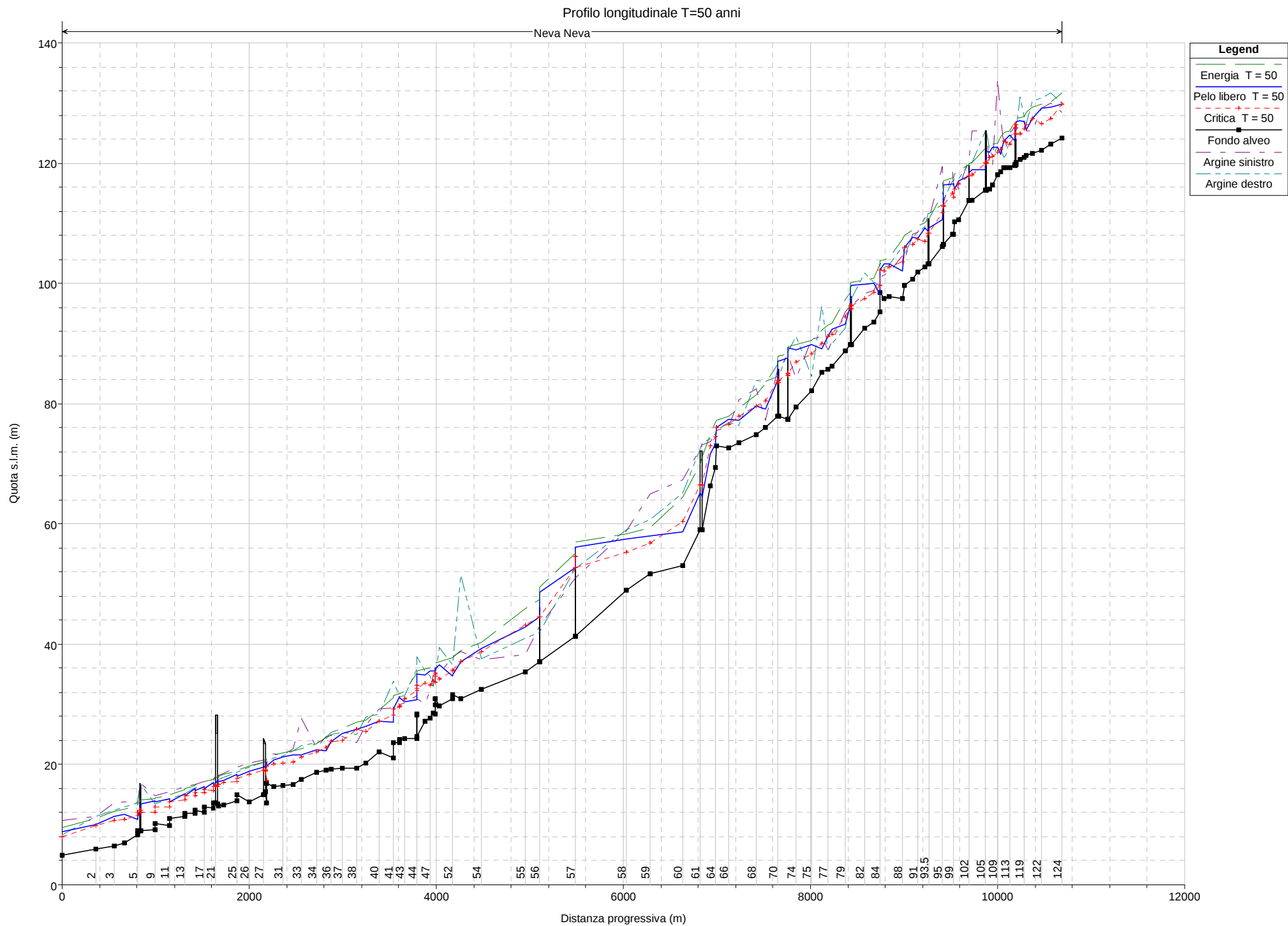


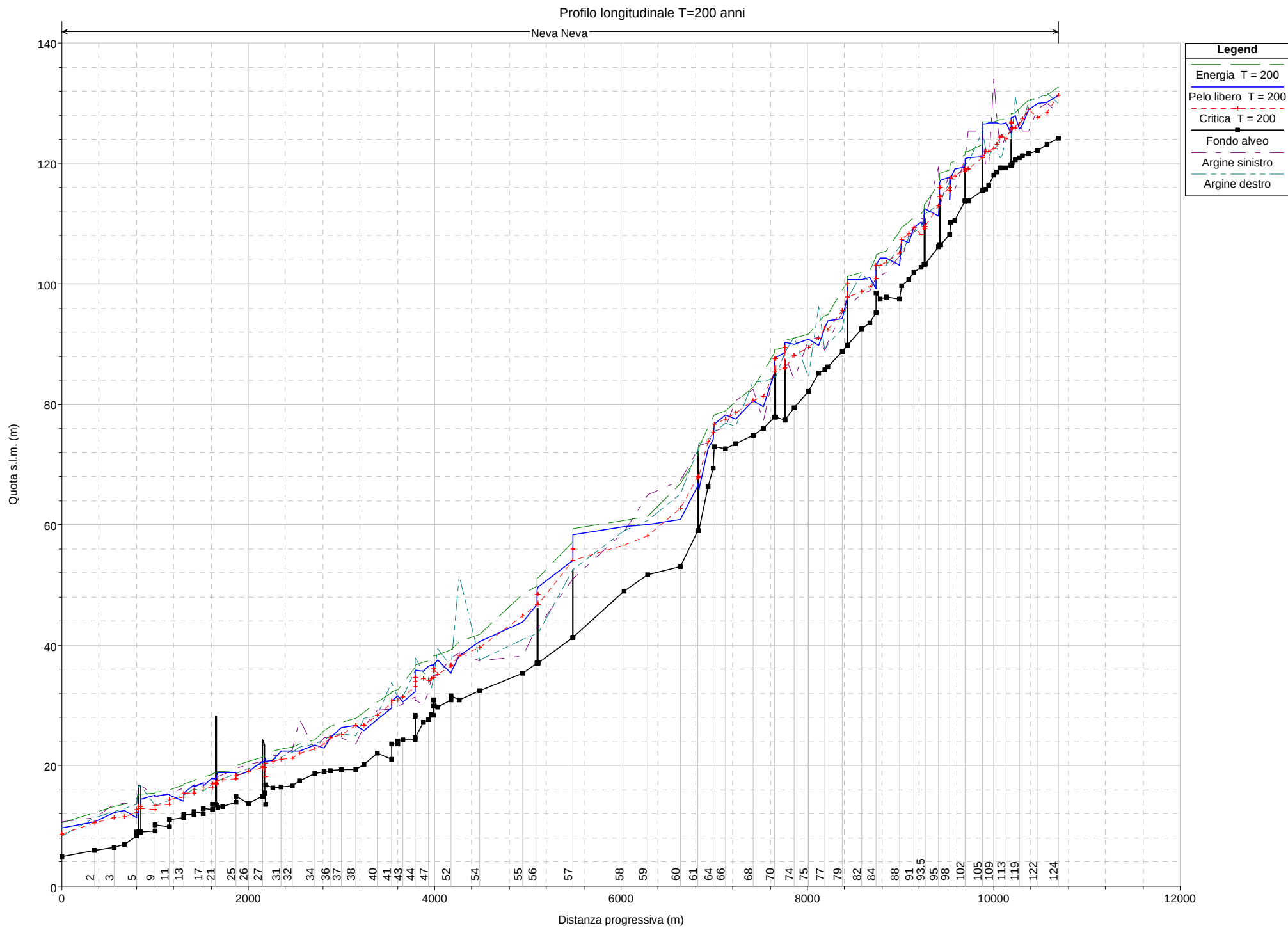


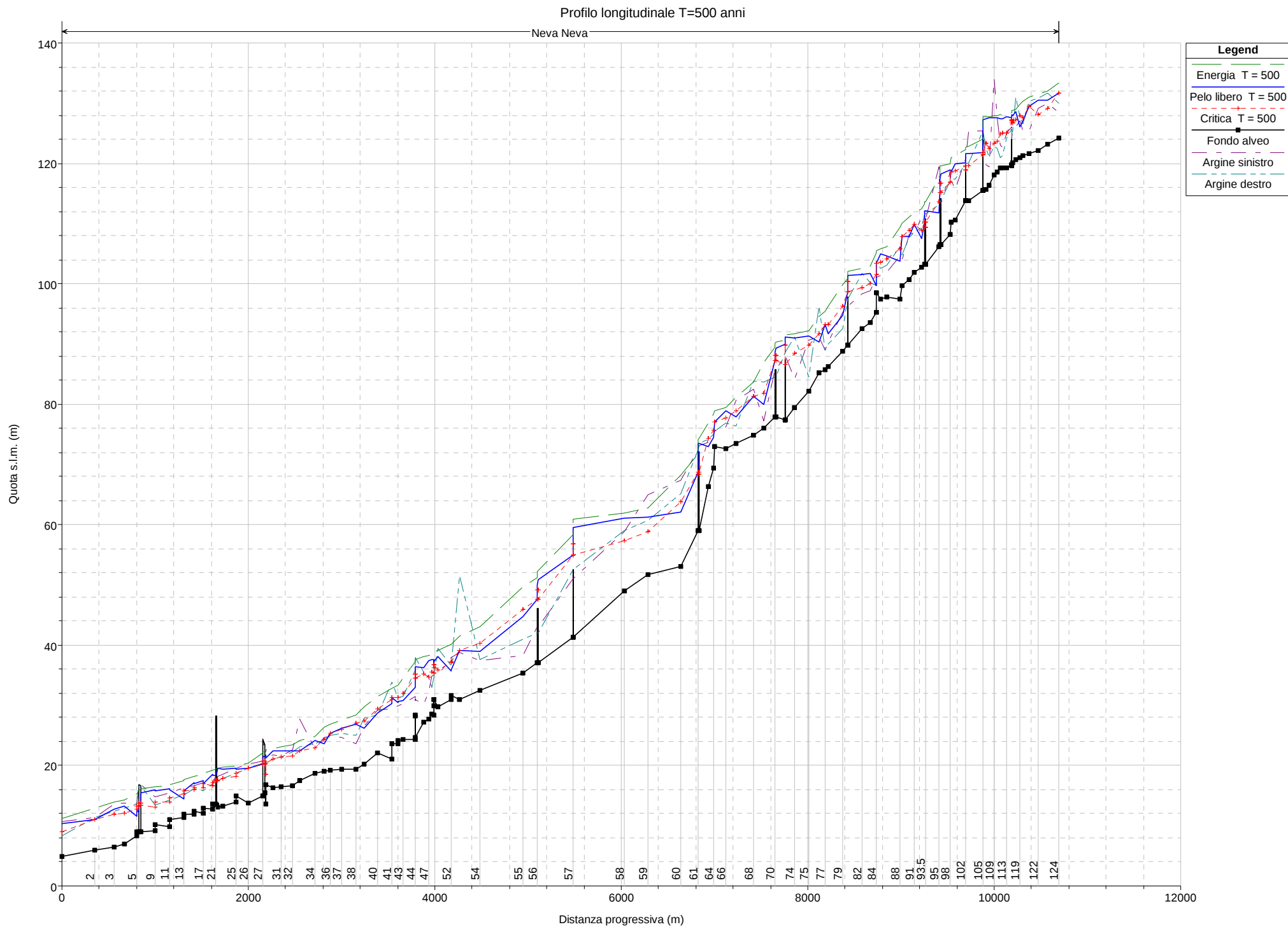
**PROVINCIA DI SAVONA**  
**PIANO DI BACINO STRALCIO SUL RISCHIO IDROGEOLOGICO**  
**ALLEGATO VERIFICHE IDRAULICHE**

**4. TORRENTE NEVA**

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









**PROVINCIA DI SAVONA**  
**PIANO DI BACINO STRALCIO SUL RISCHIO IDROGEOLOGICO**

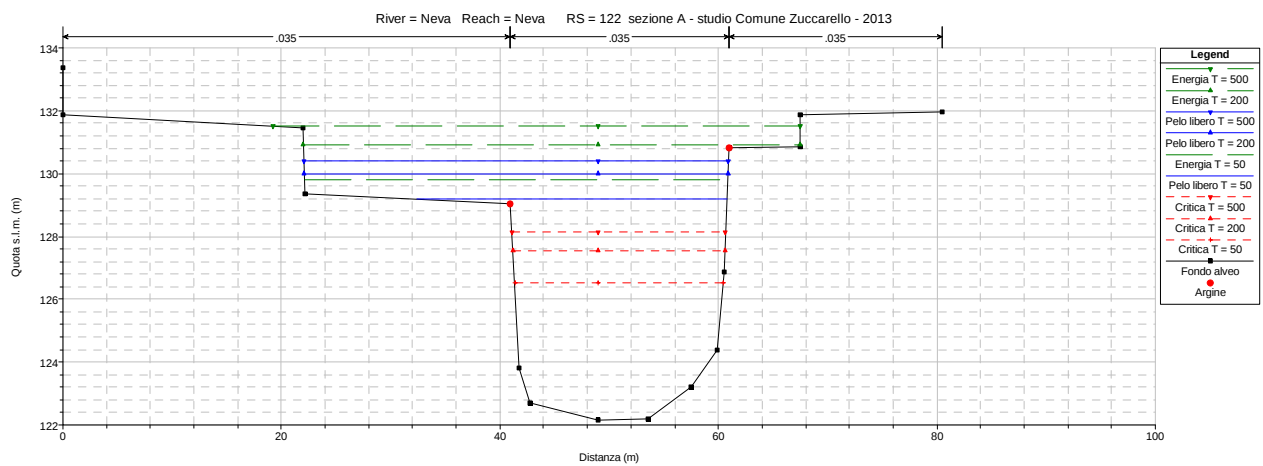
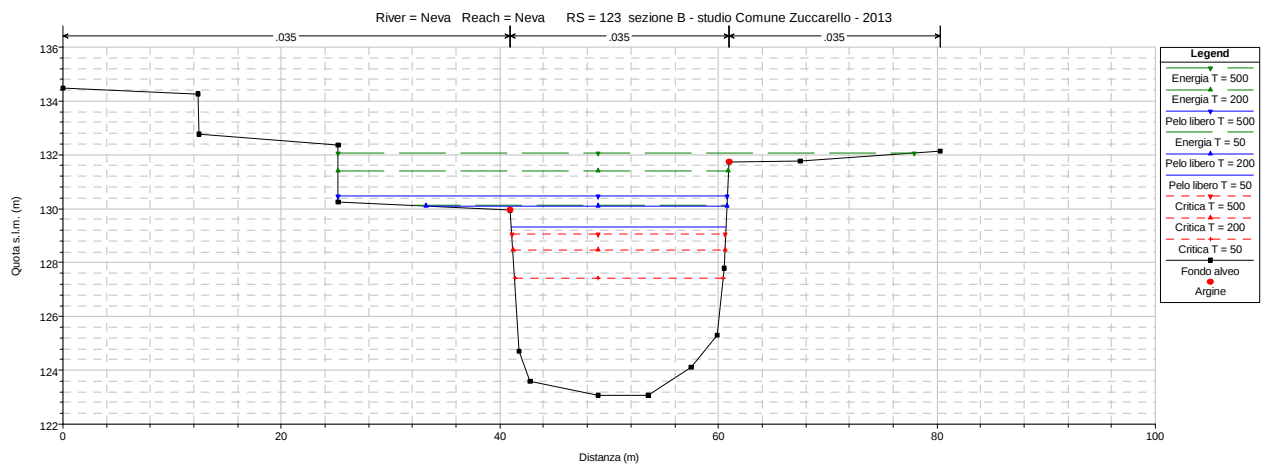
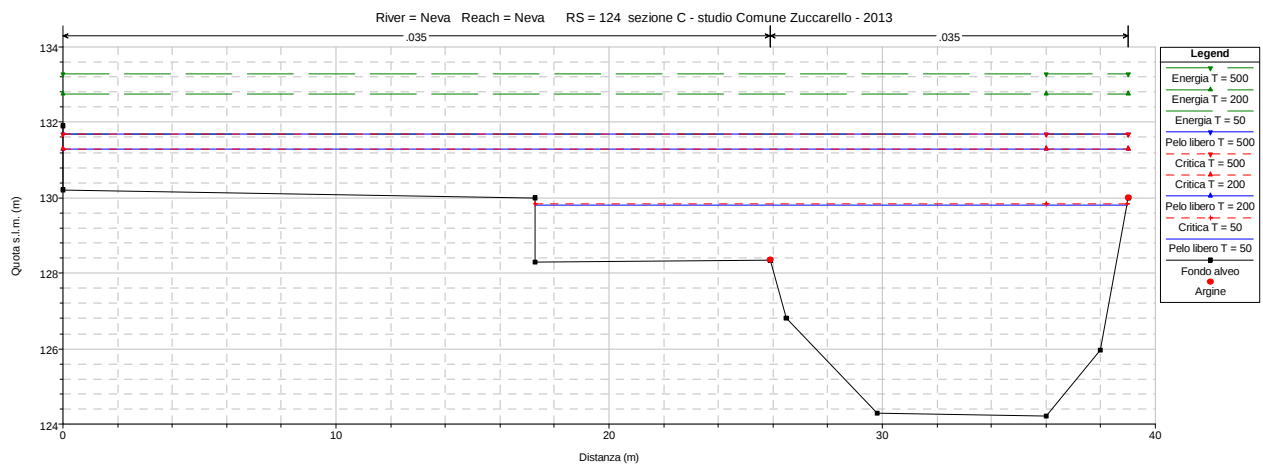
**ALLEGATO VERIFICHE IDRAULICHE**

**4. TORRENTE NEVA**

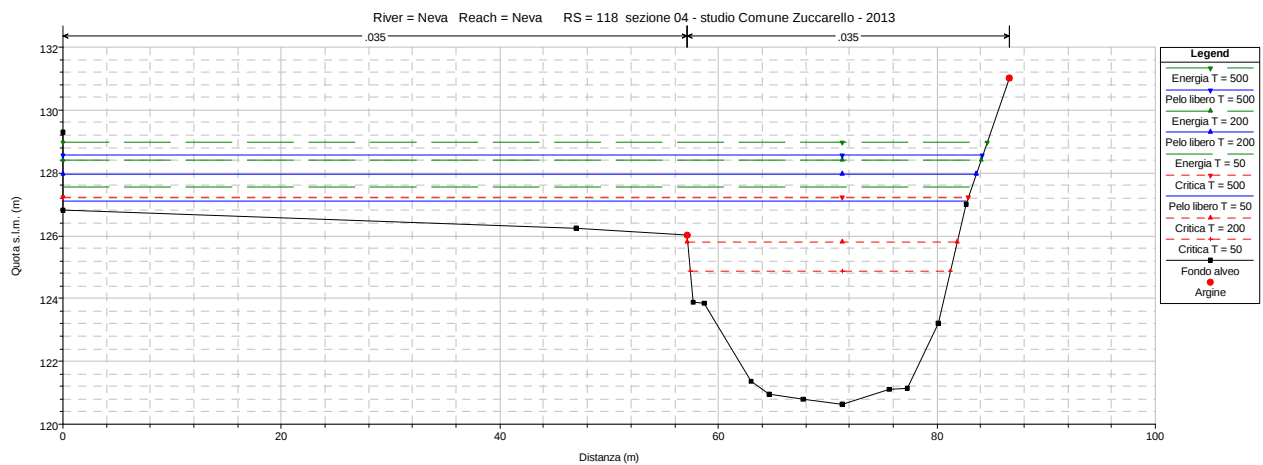
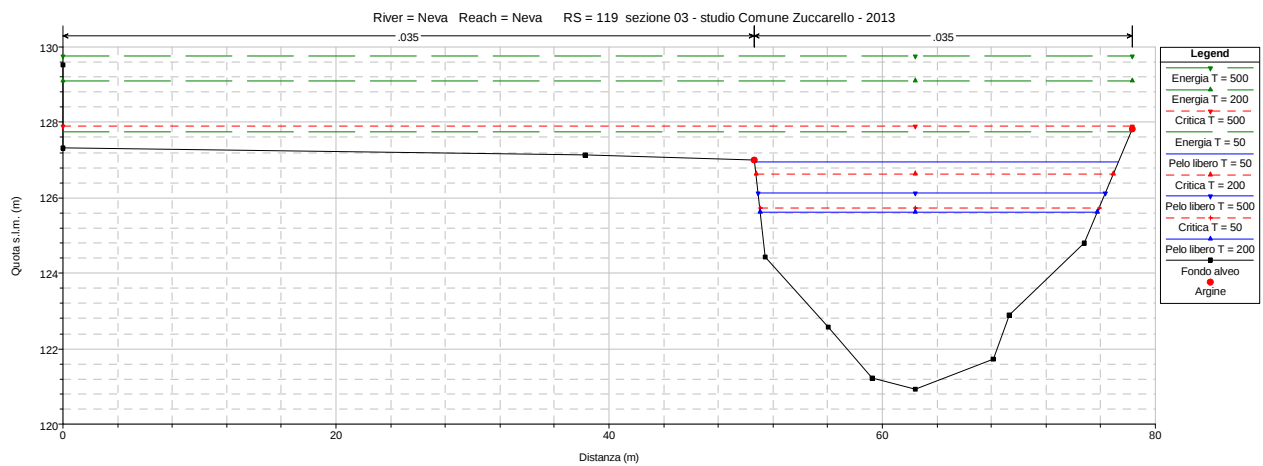
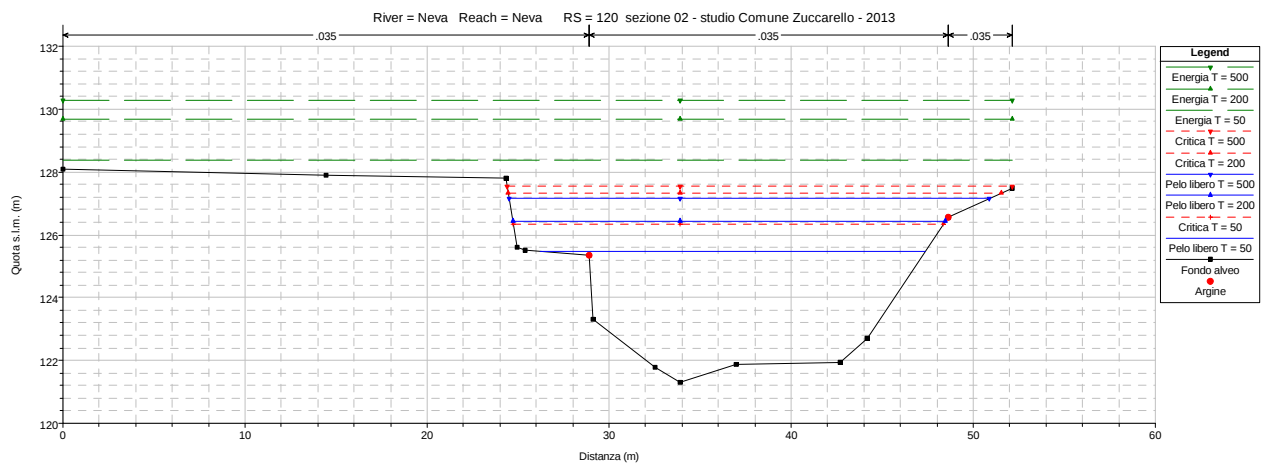
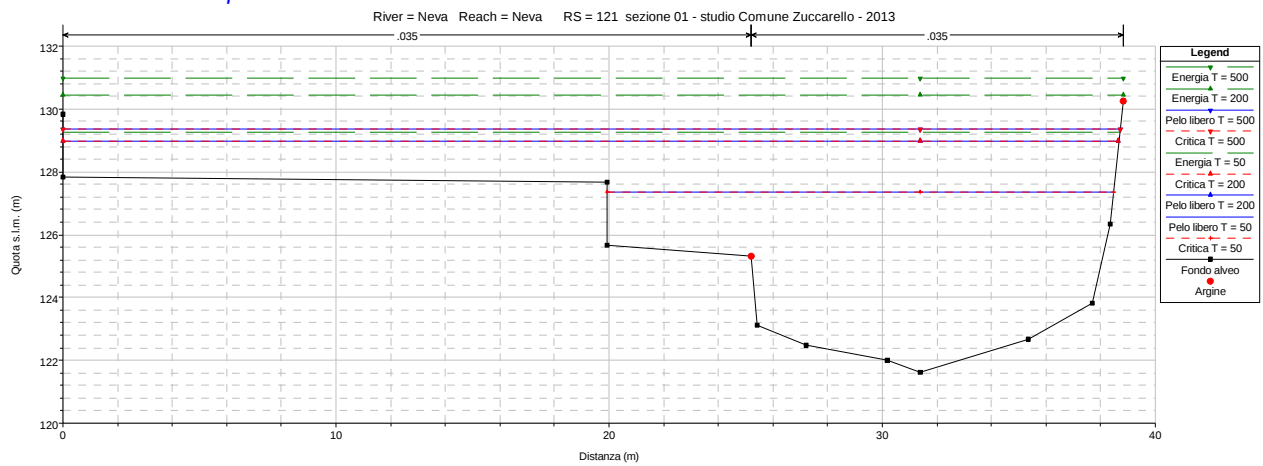
**4.2 GEOMETRIA DELLE SEZIONI ED ALTEZZA DEL PELO  
LIBERO IN CONDIZIONI DI MOTO PERMANENTE PER LE  
PORTATE T=50, 200, 500 ANNI.**

# TORRENTE NEVA

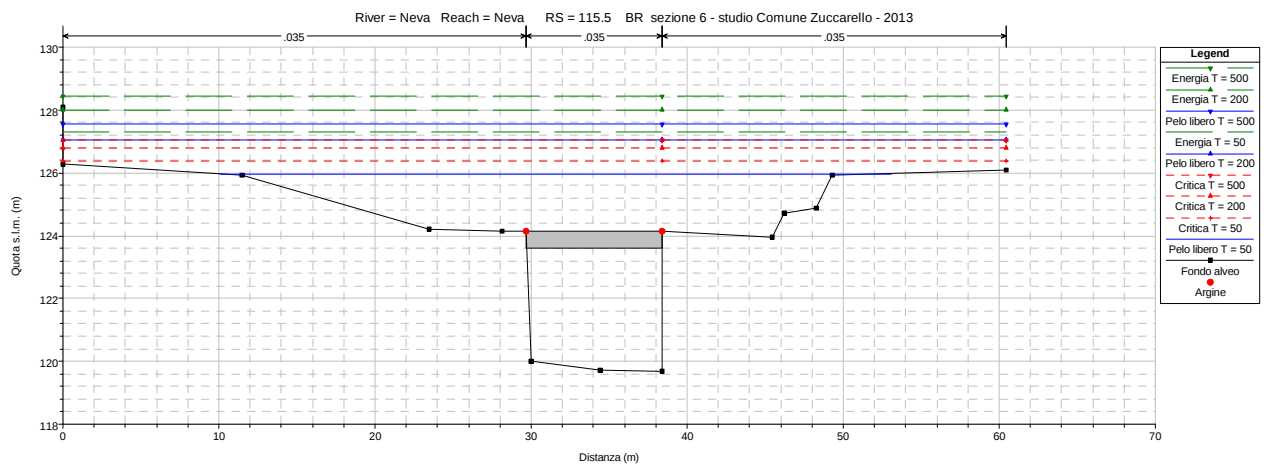
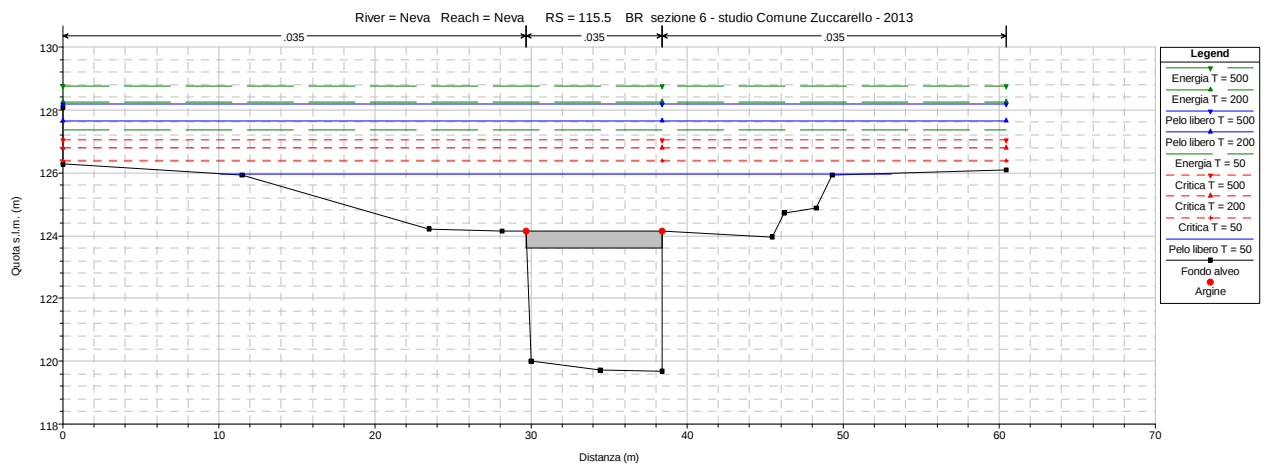
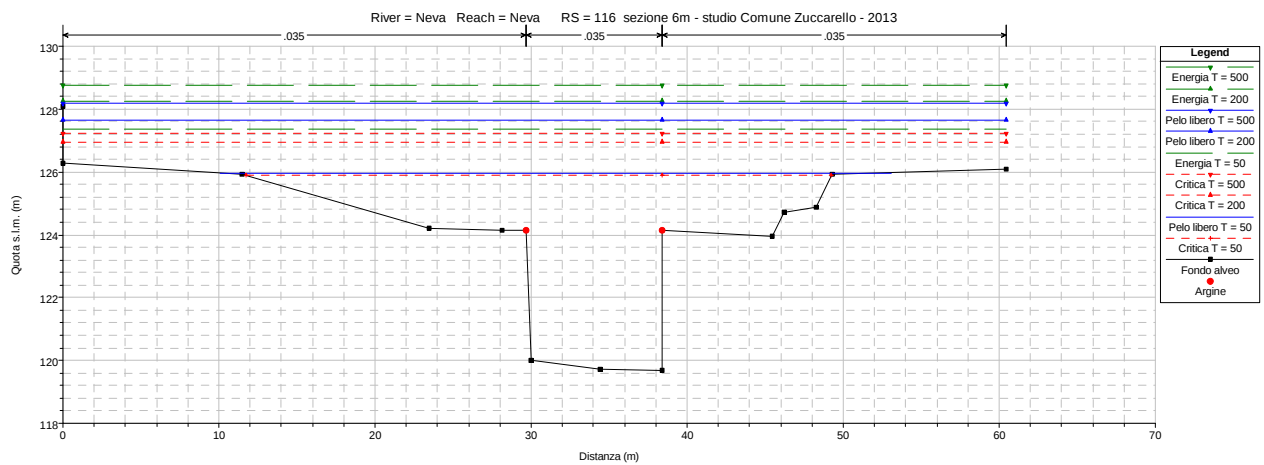
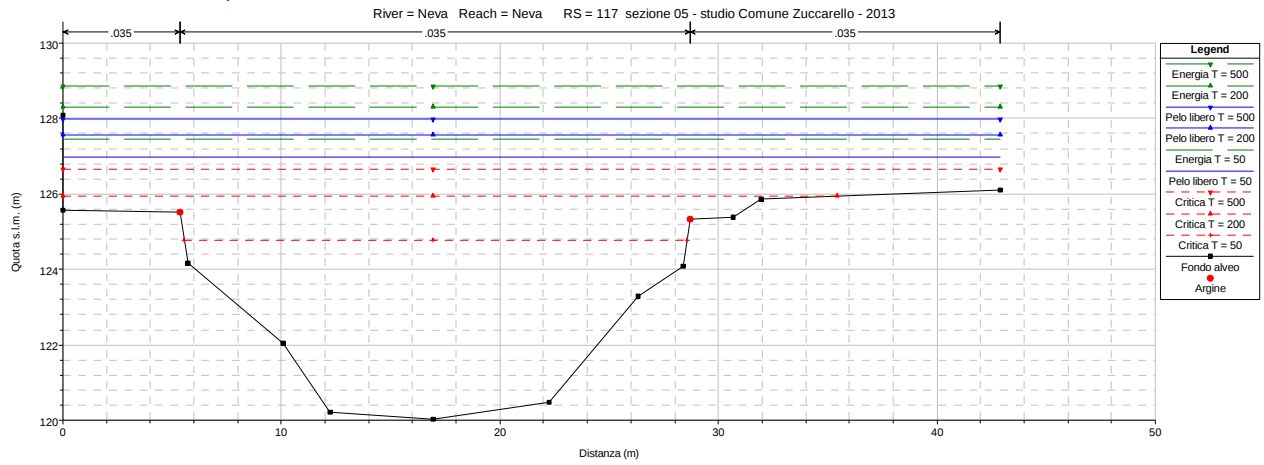
## Sezioni trasversali



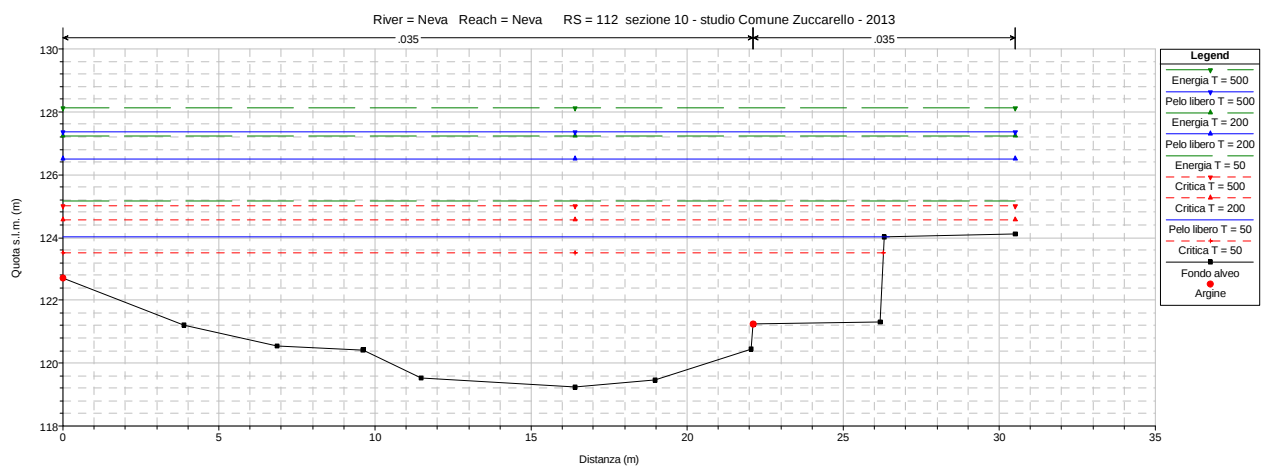
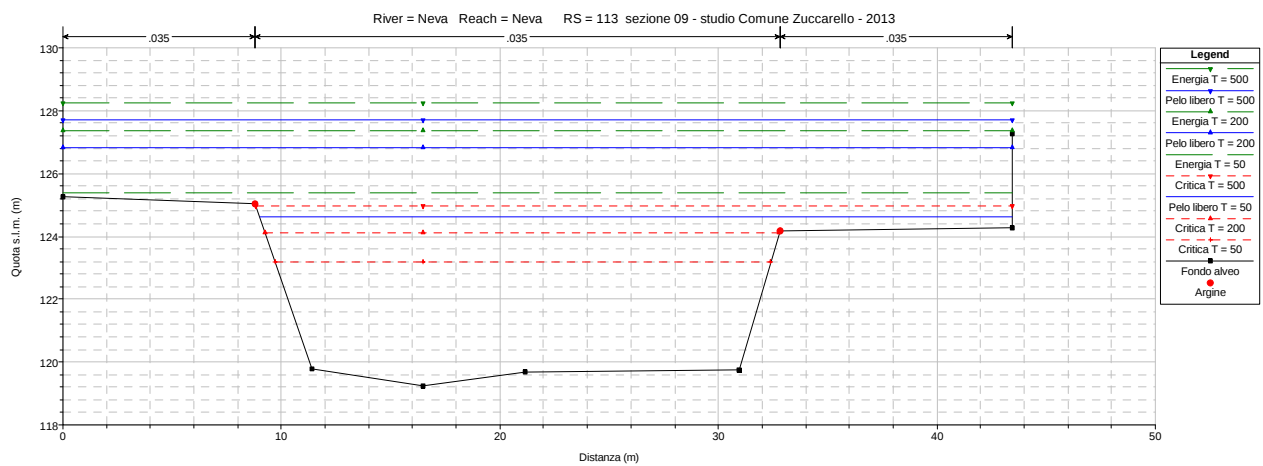
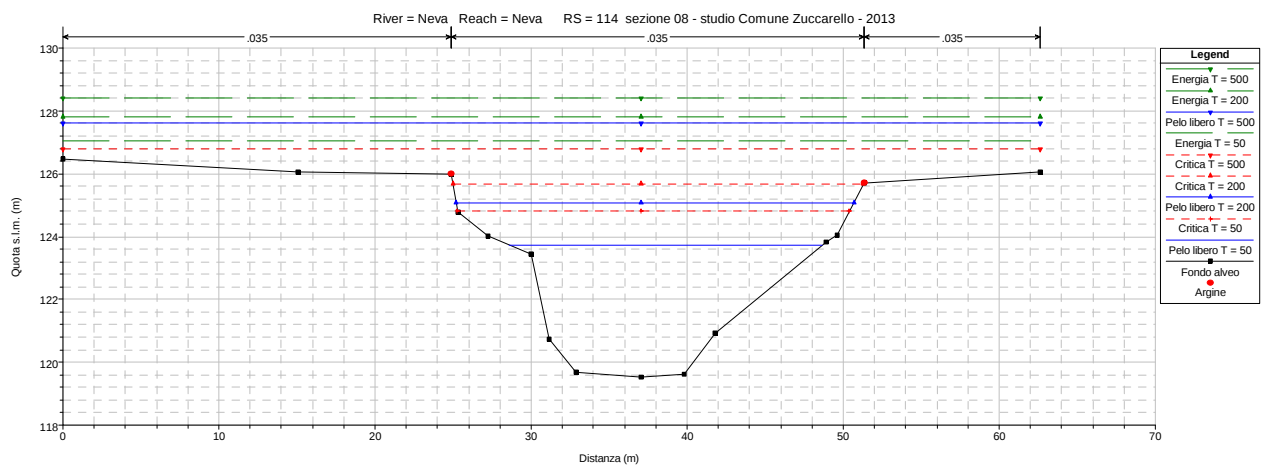
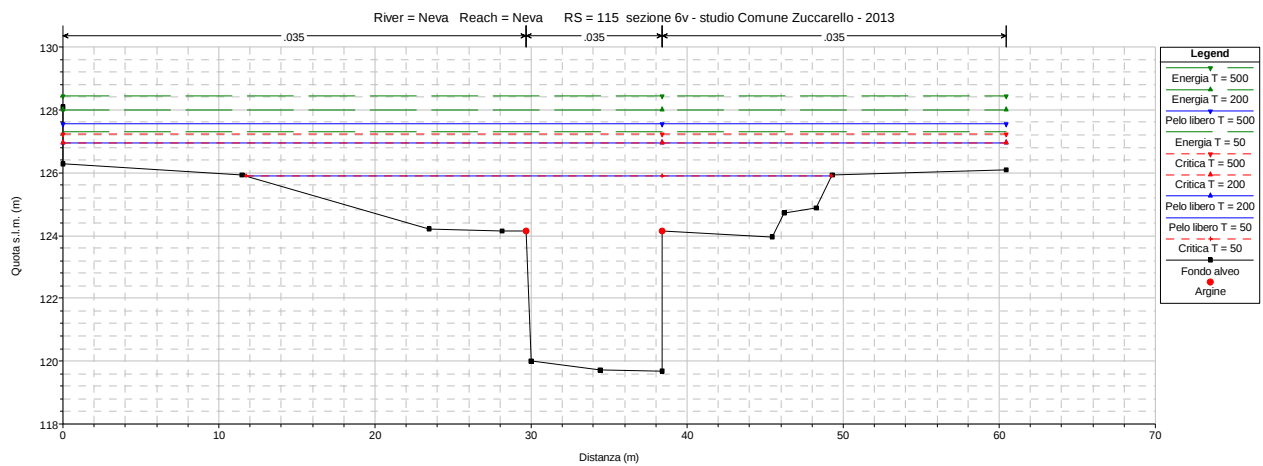
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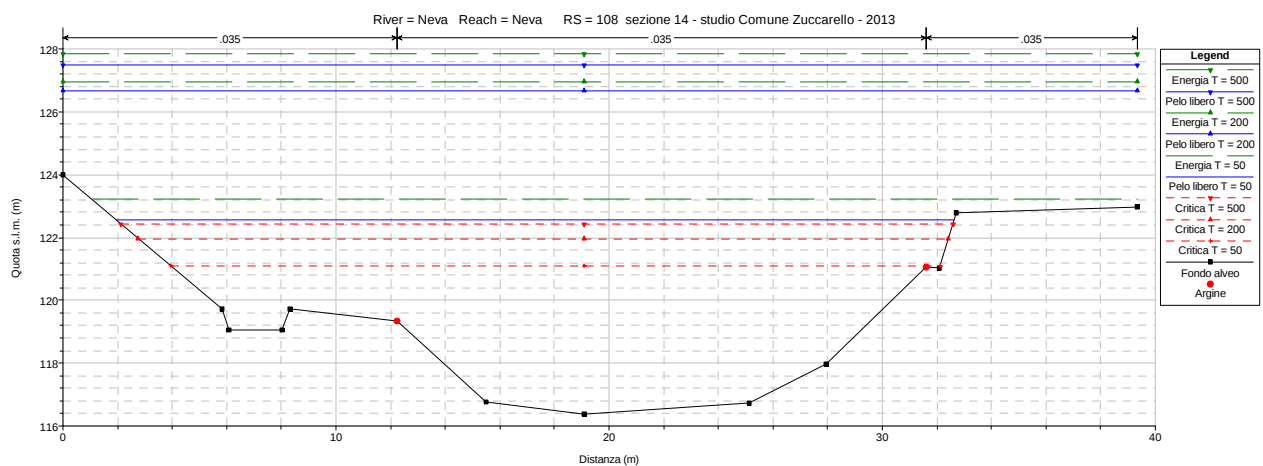
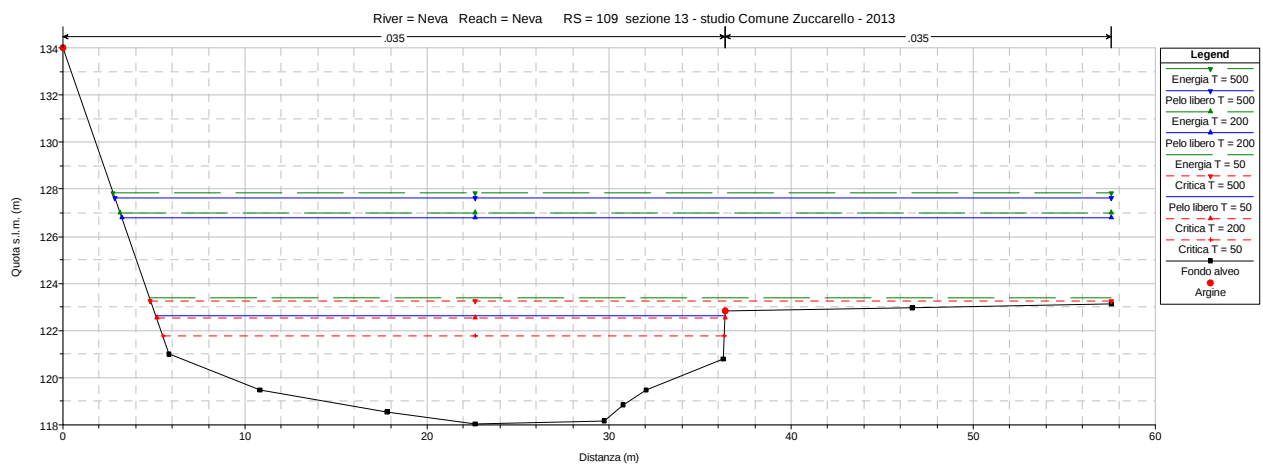
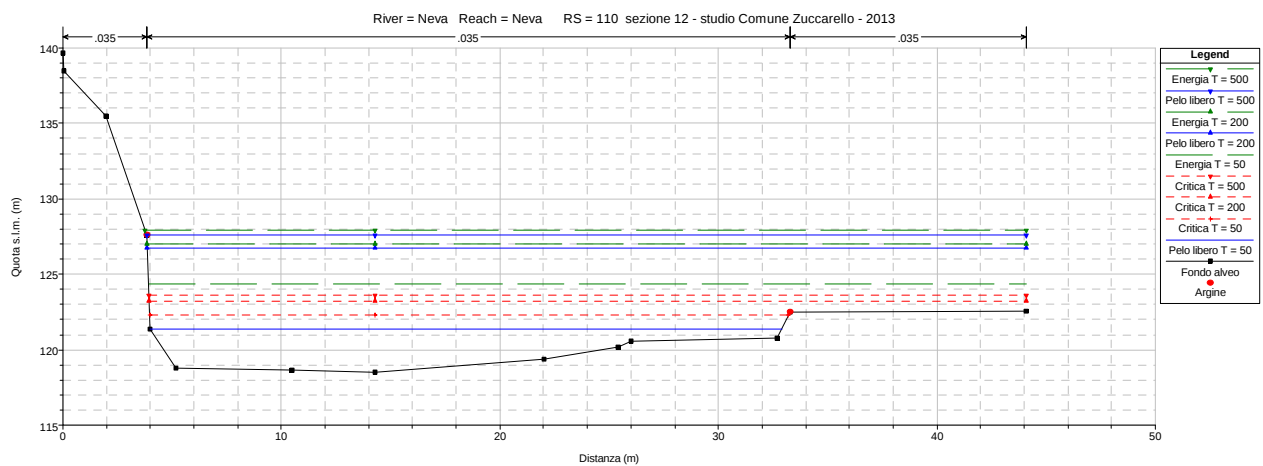
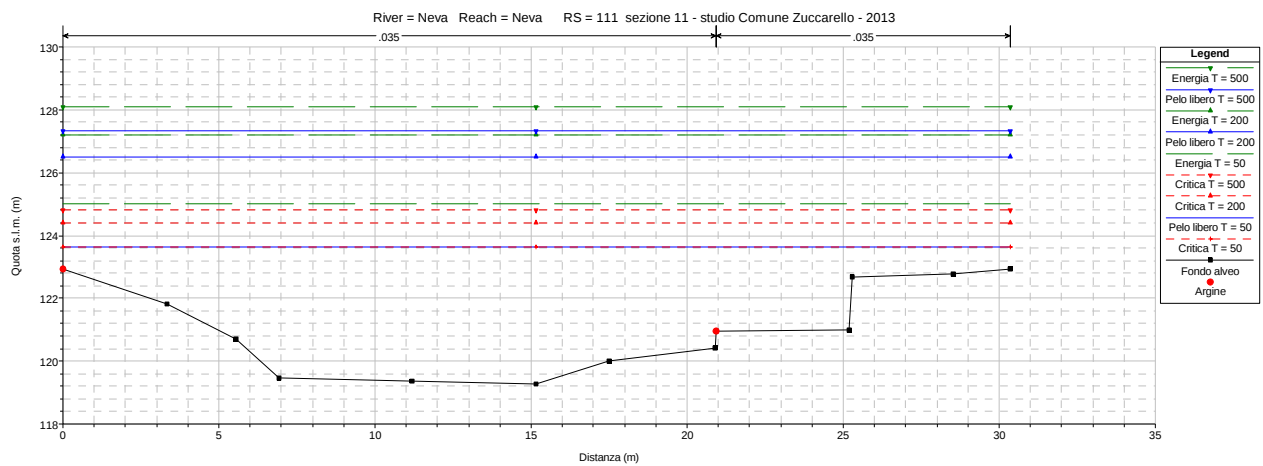
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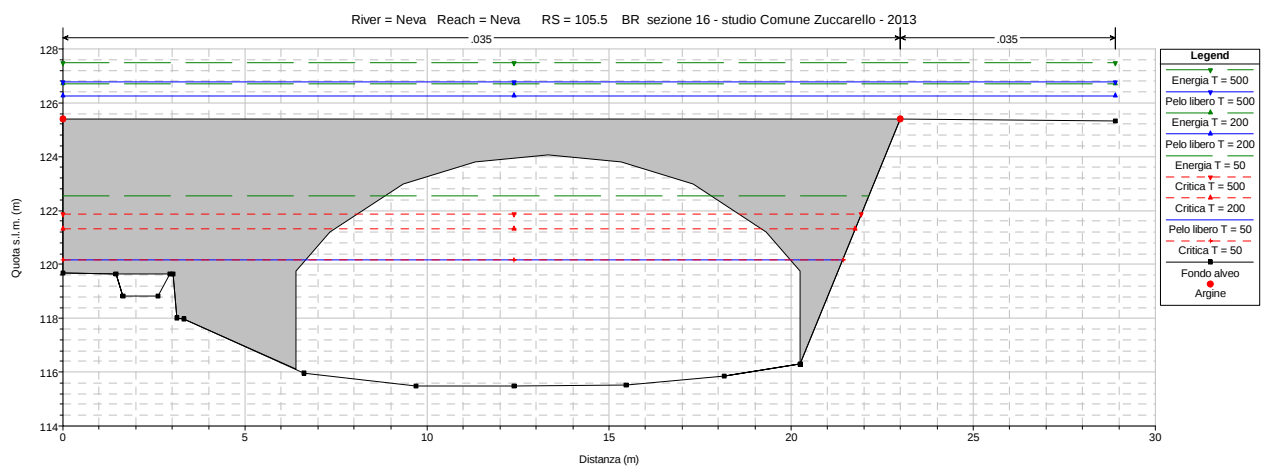
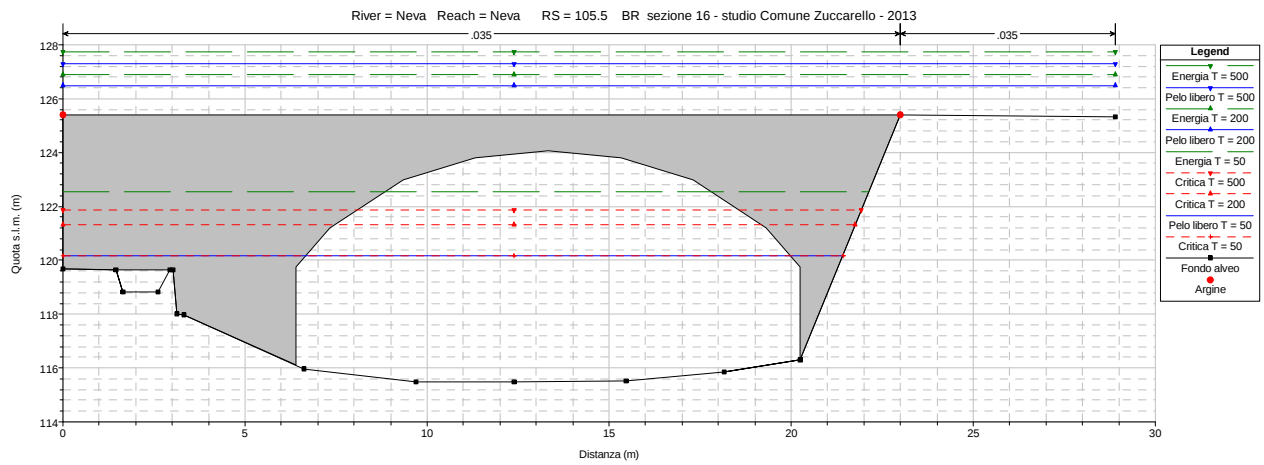
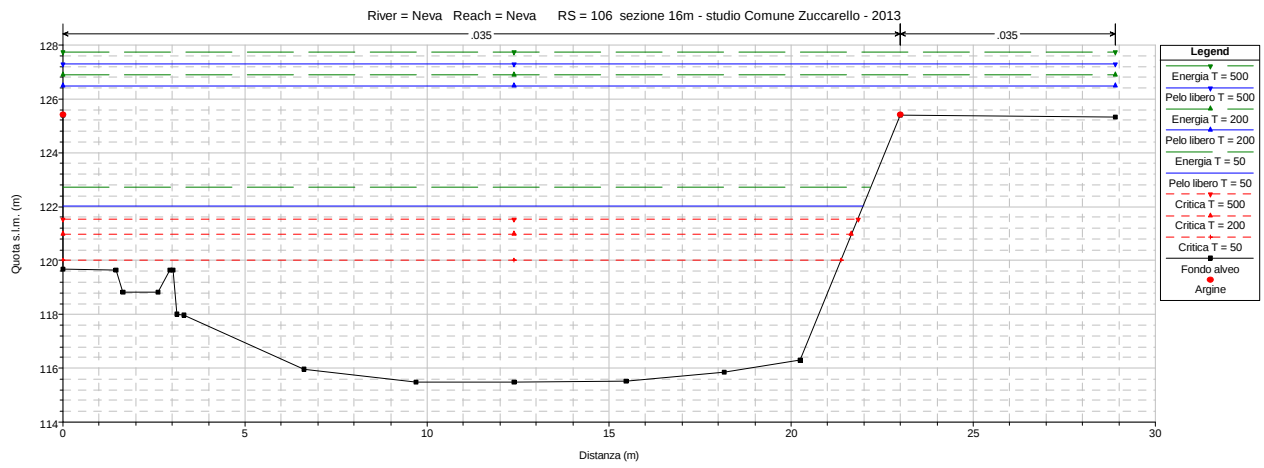
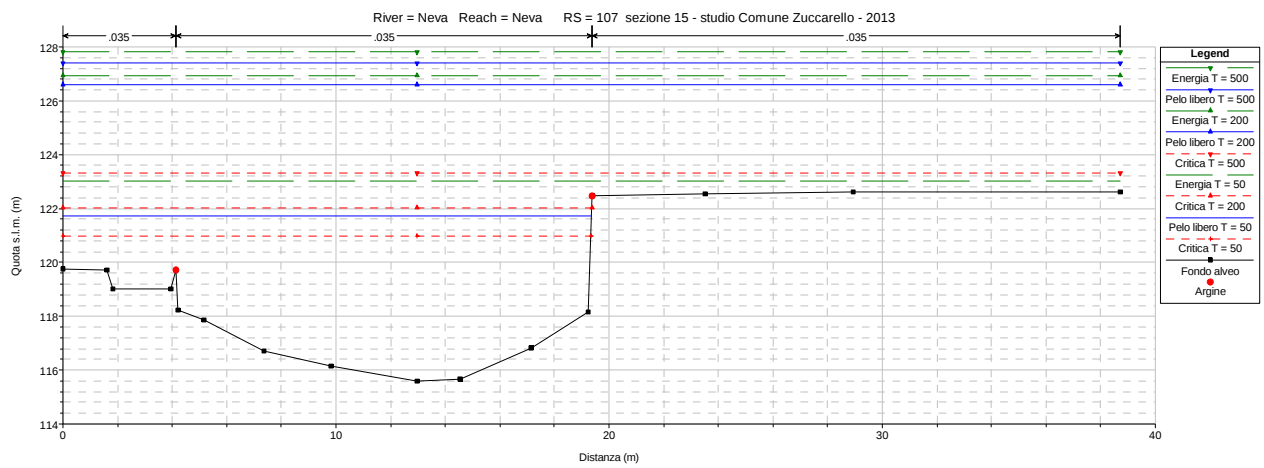
# Torrente Neva – verifica idraulica – sezioni trasversali



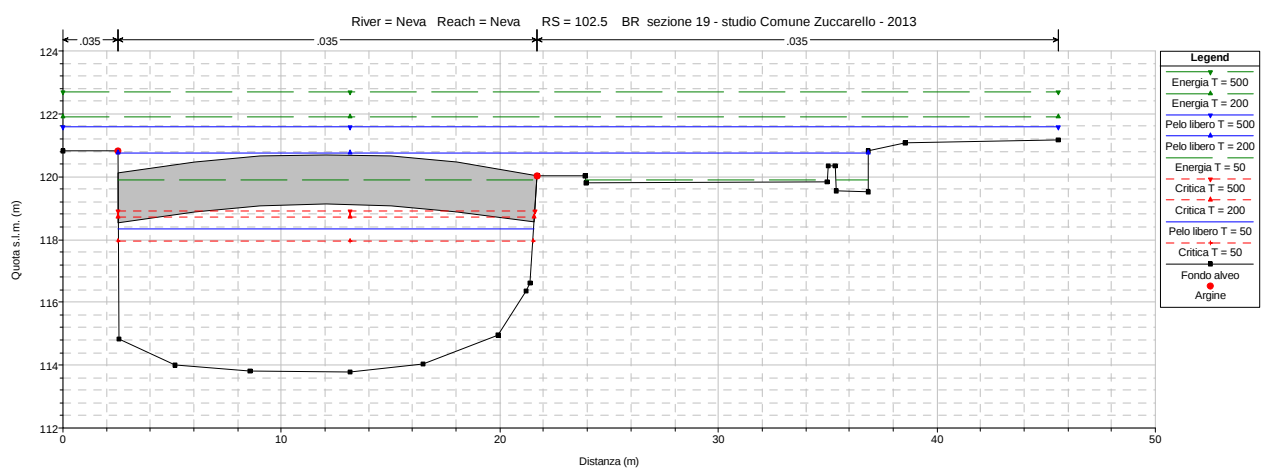
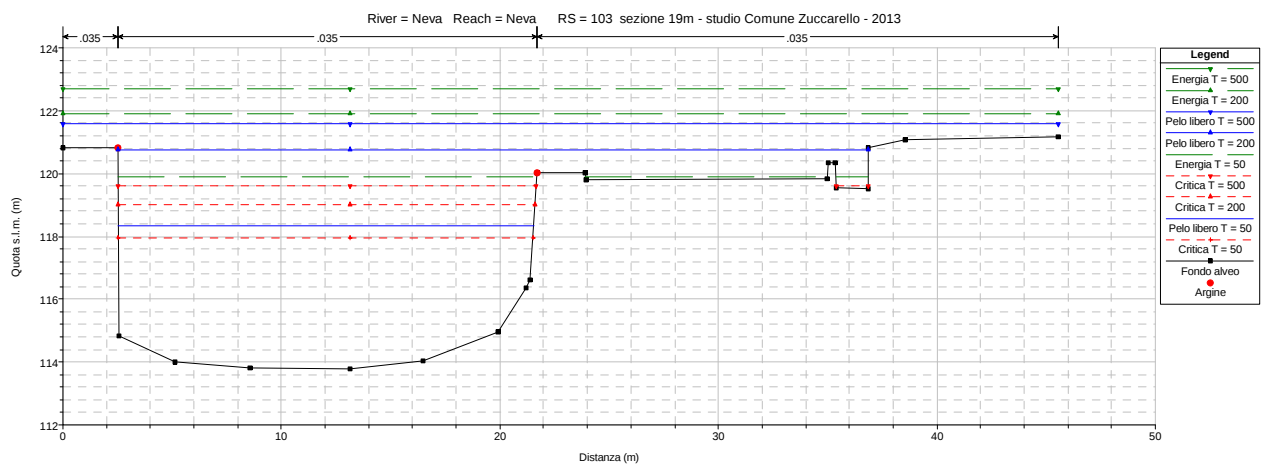
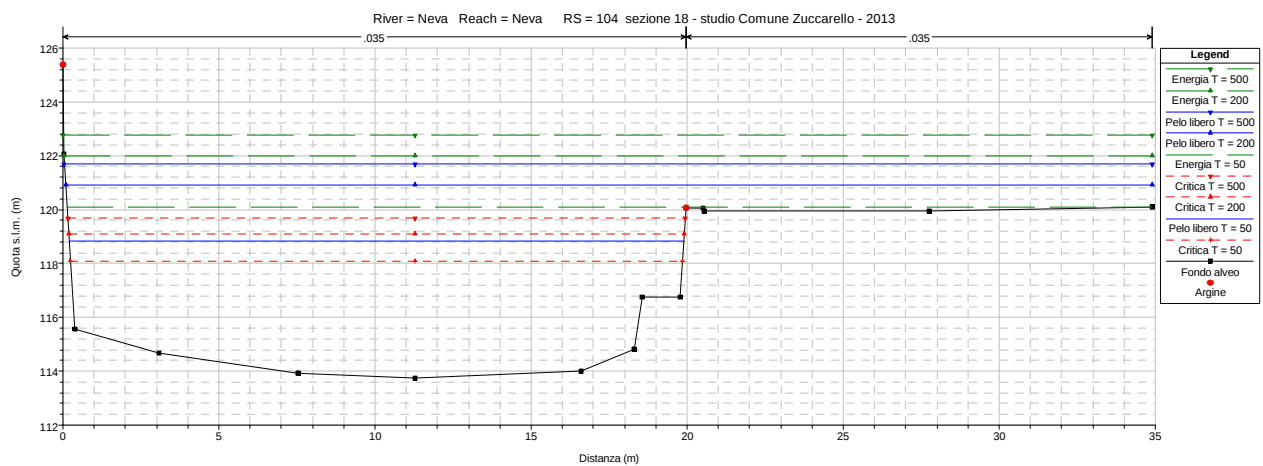
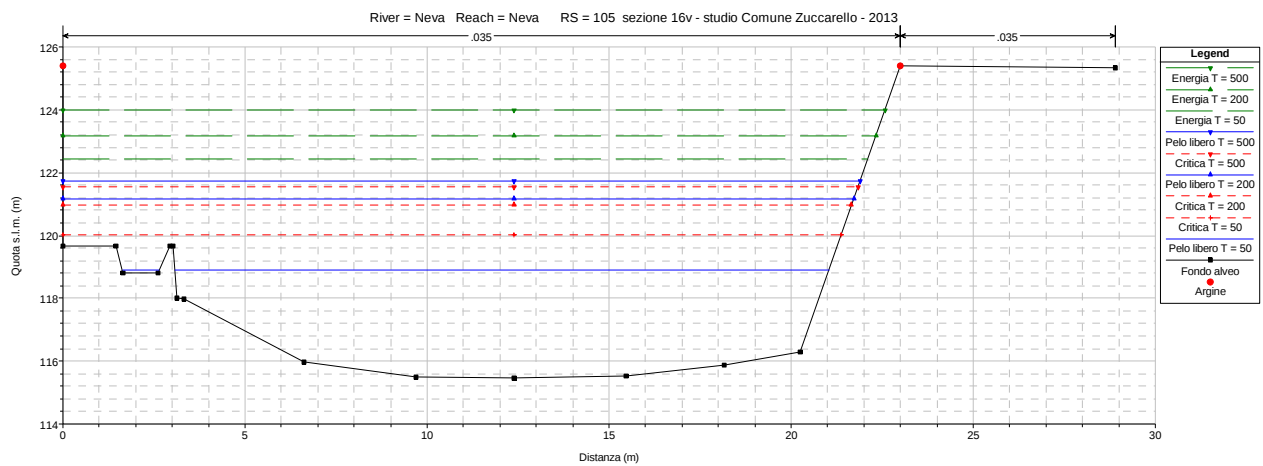
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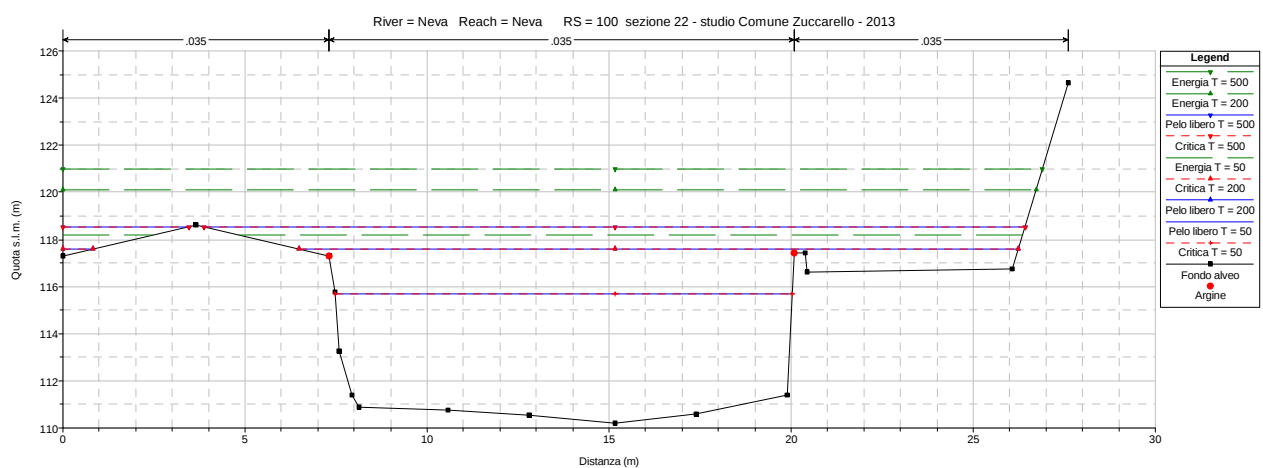
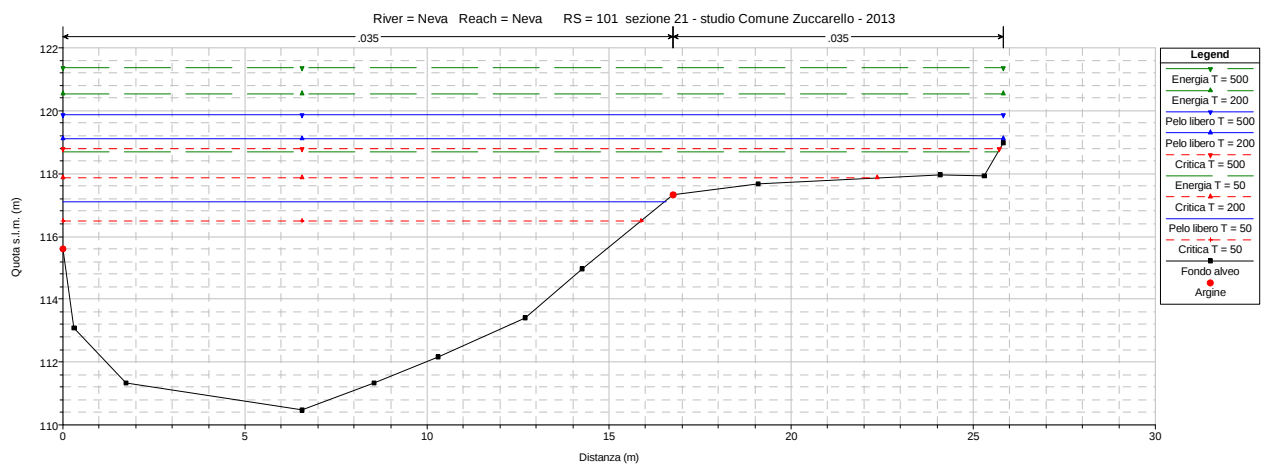
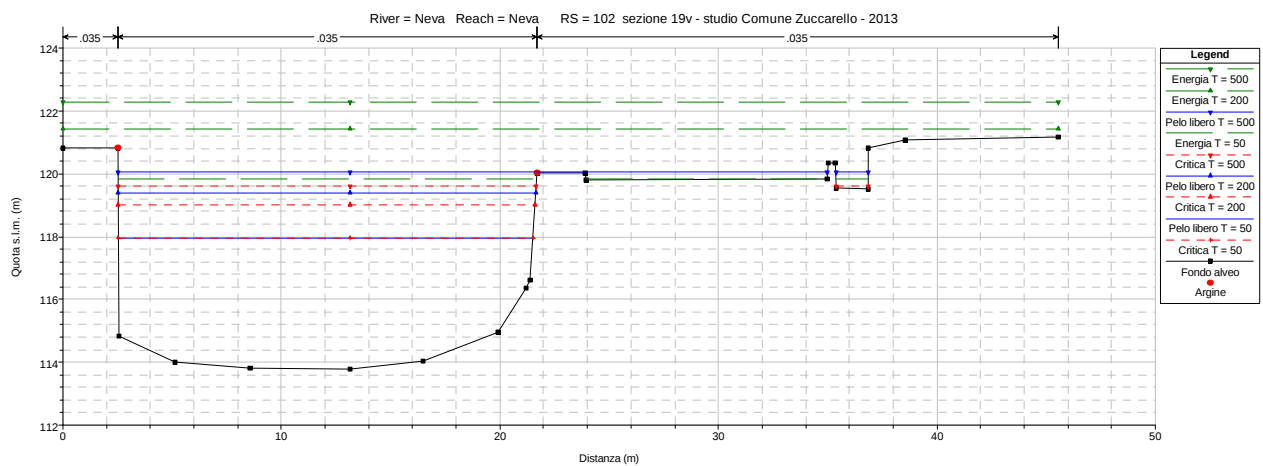
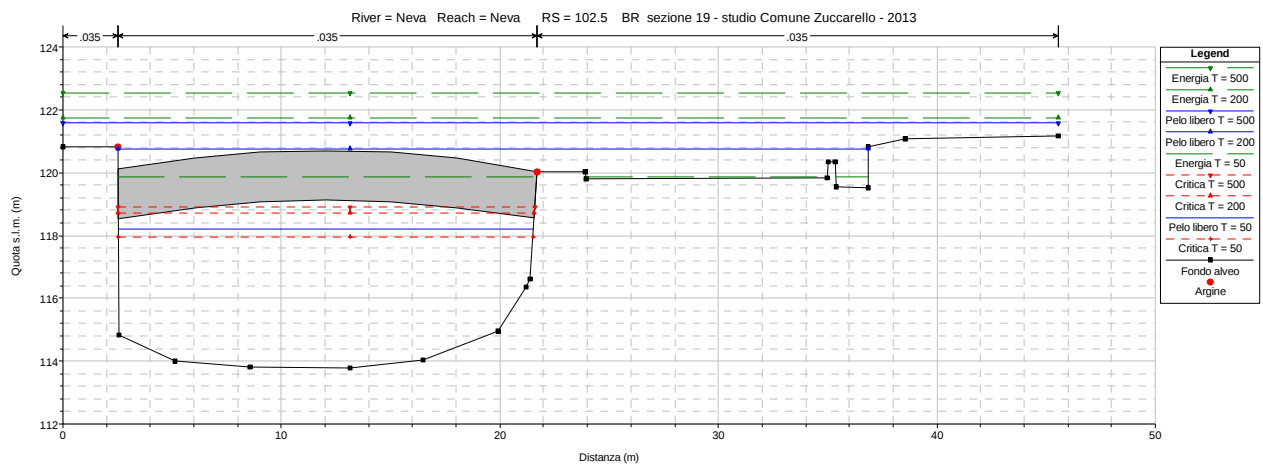
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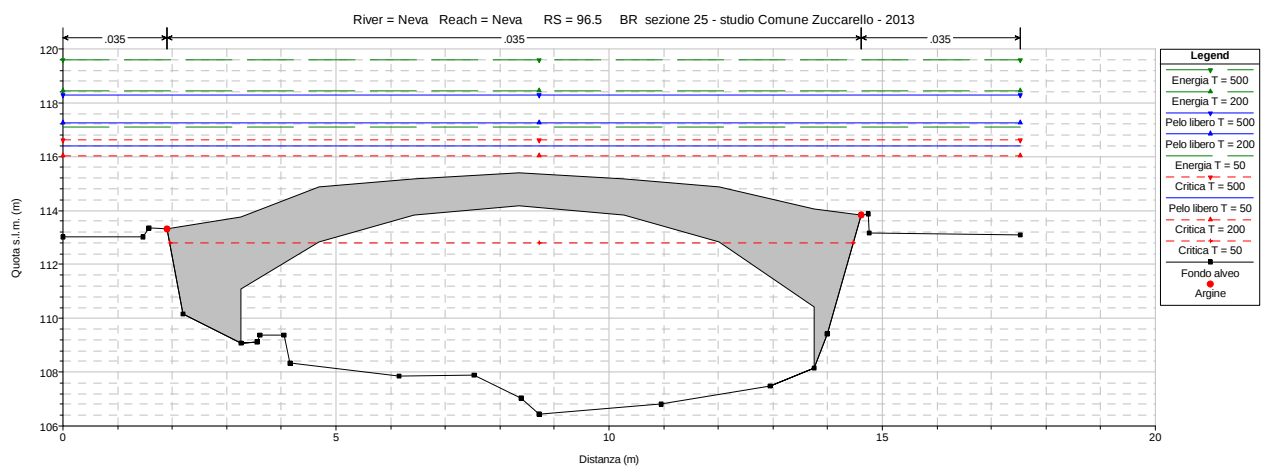
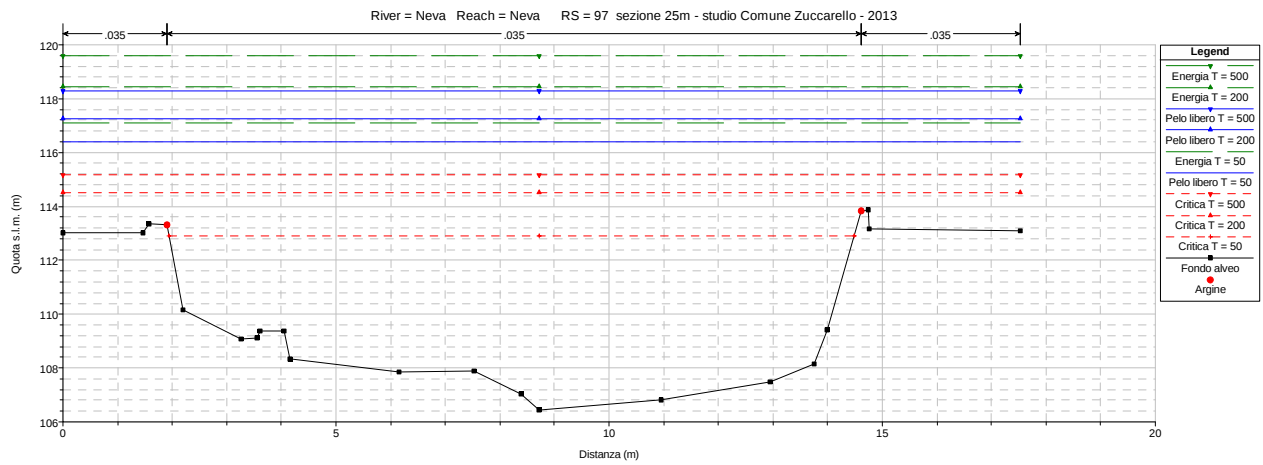
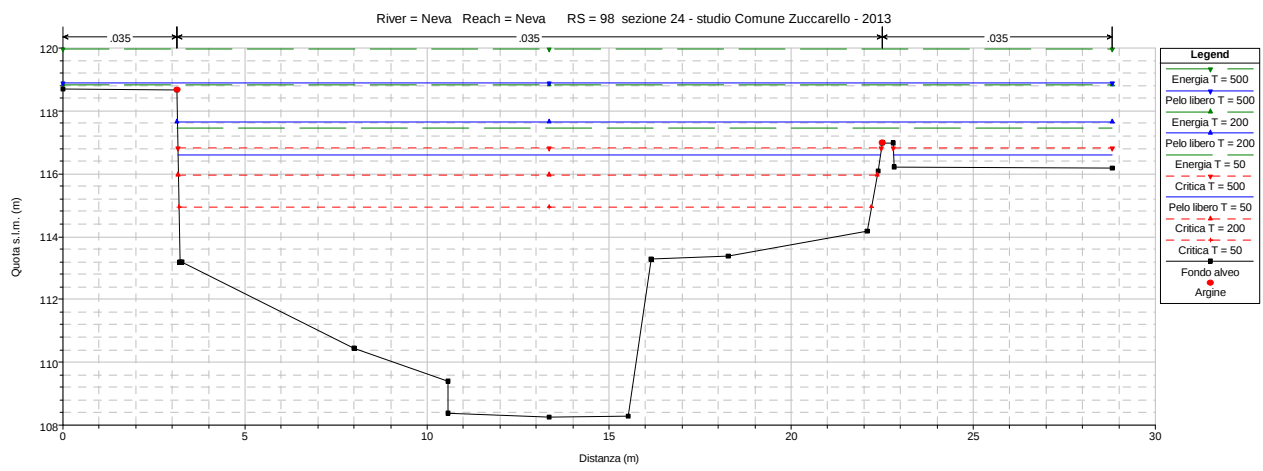
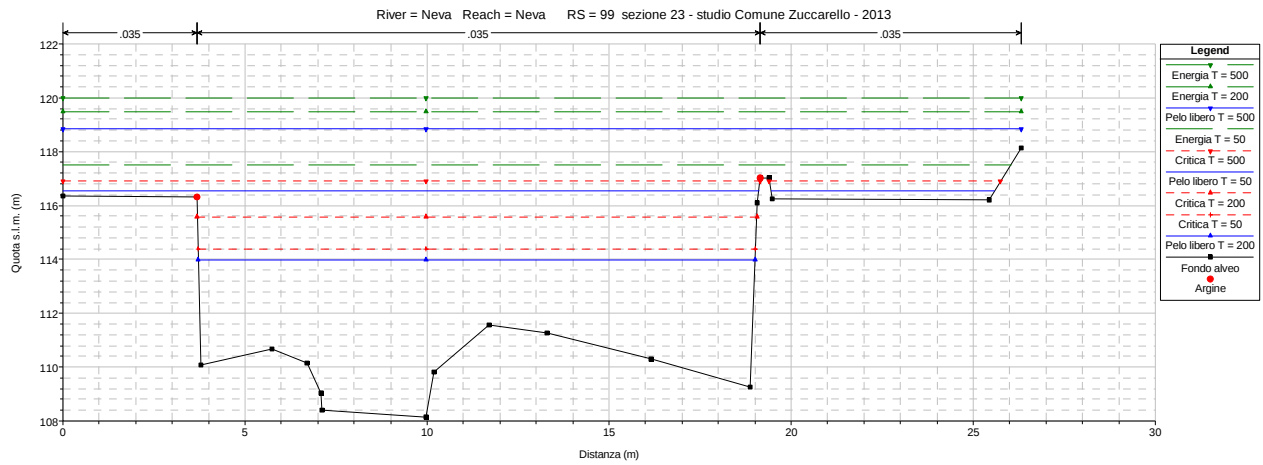
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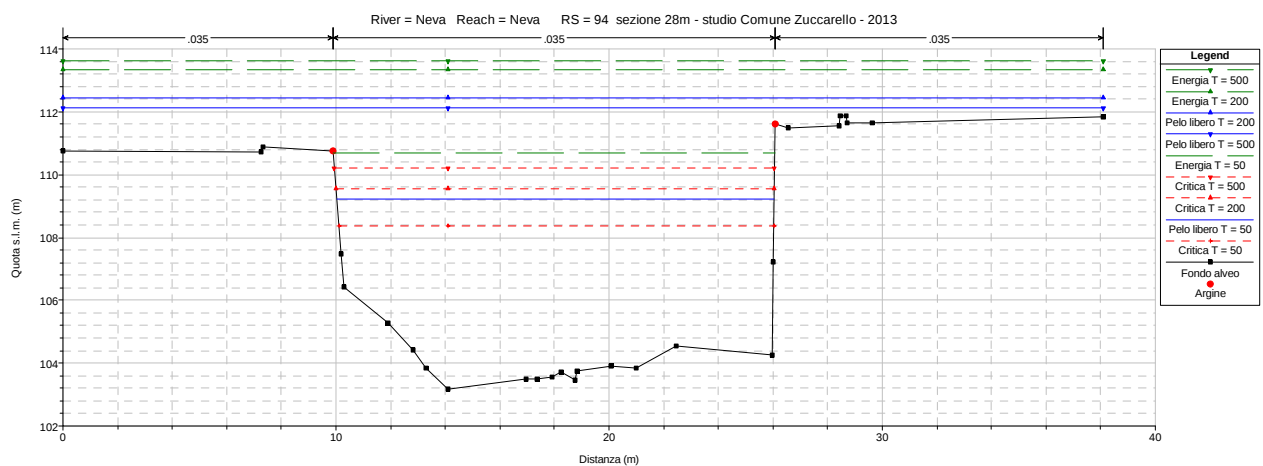
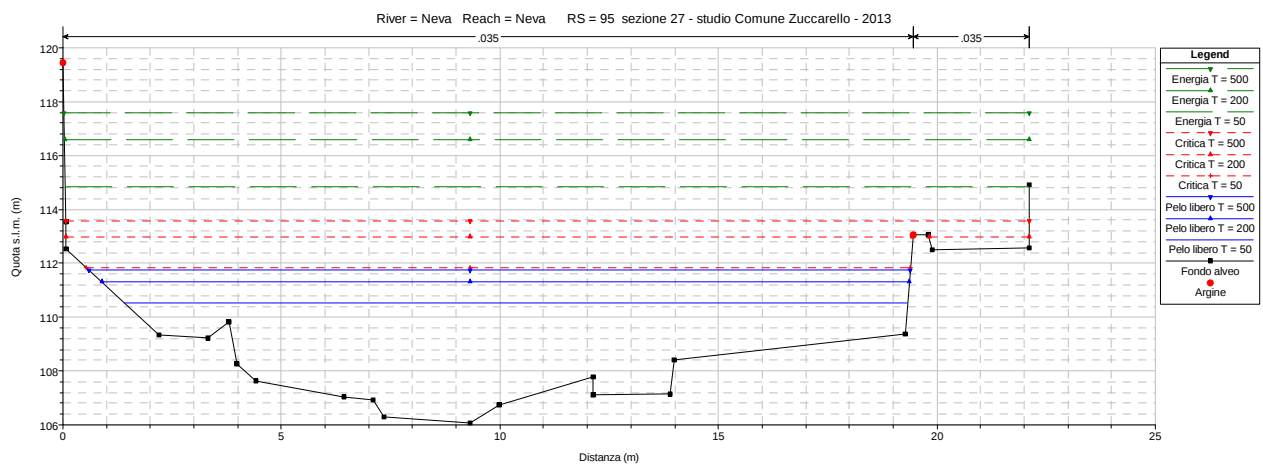
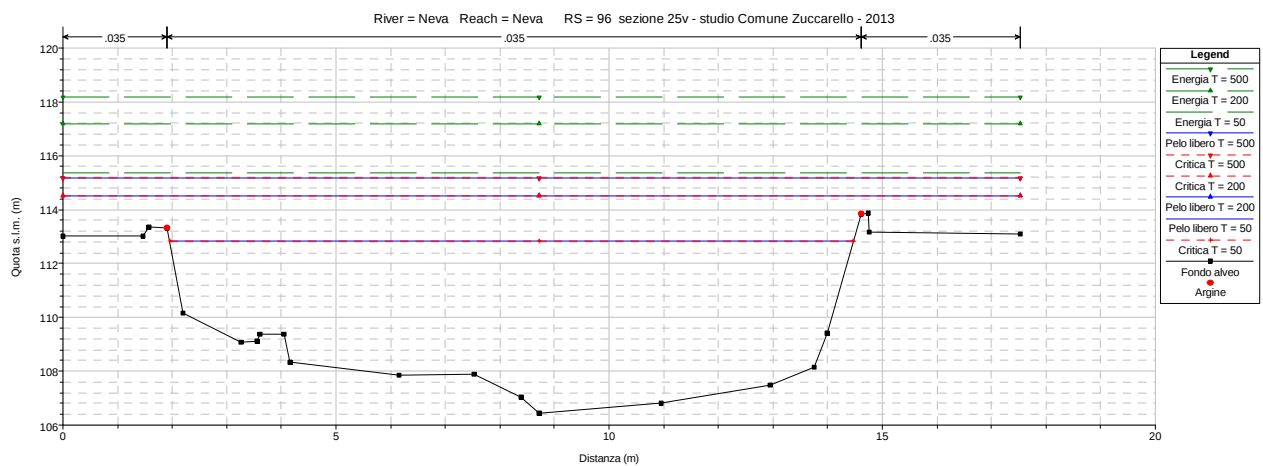
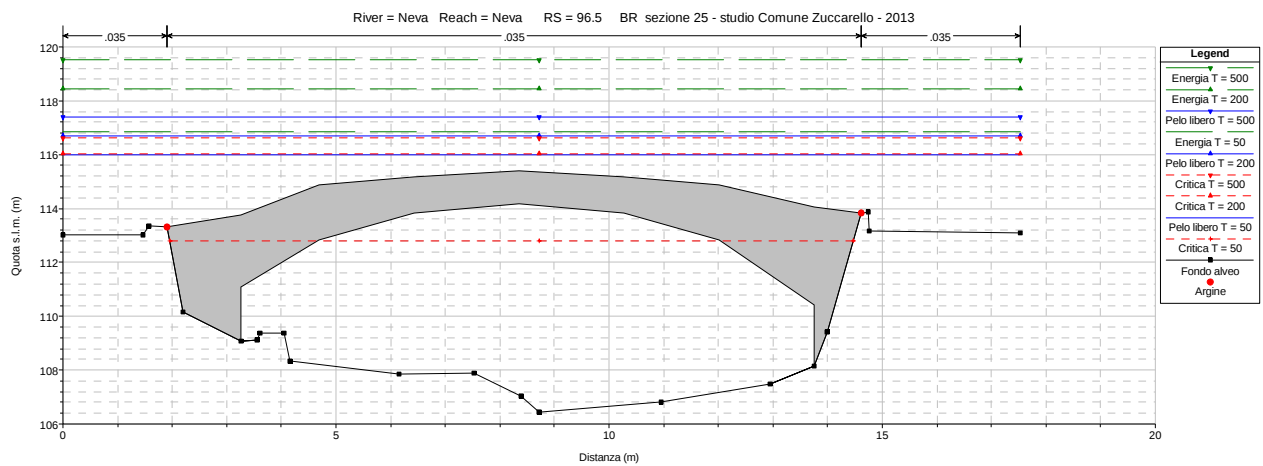
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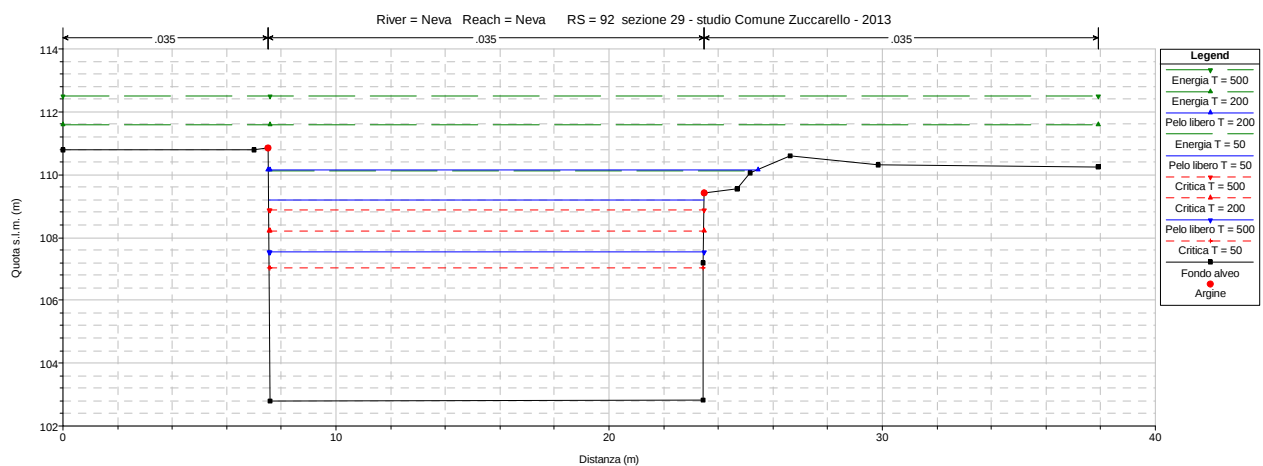
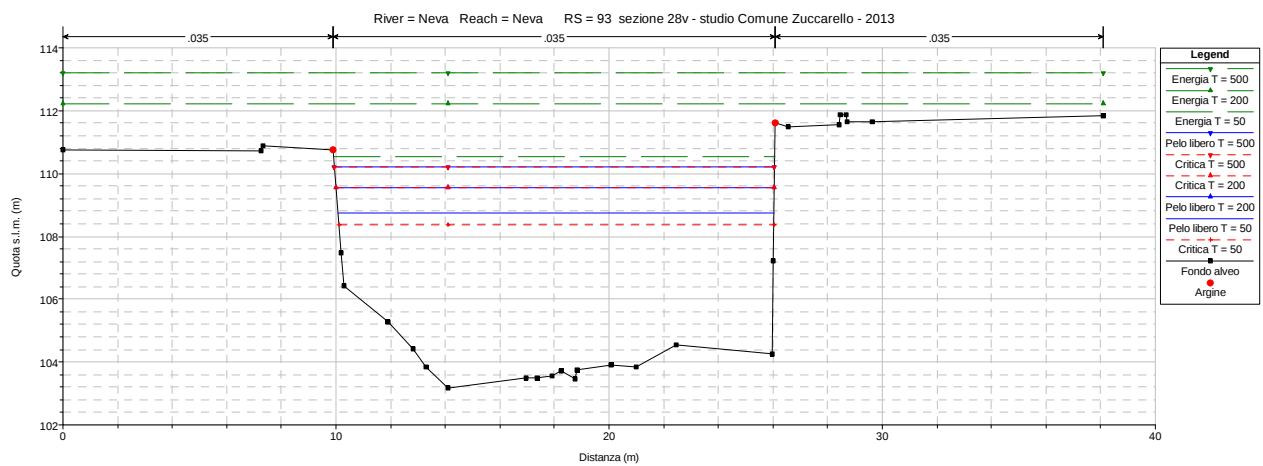
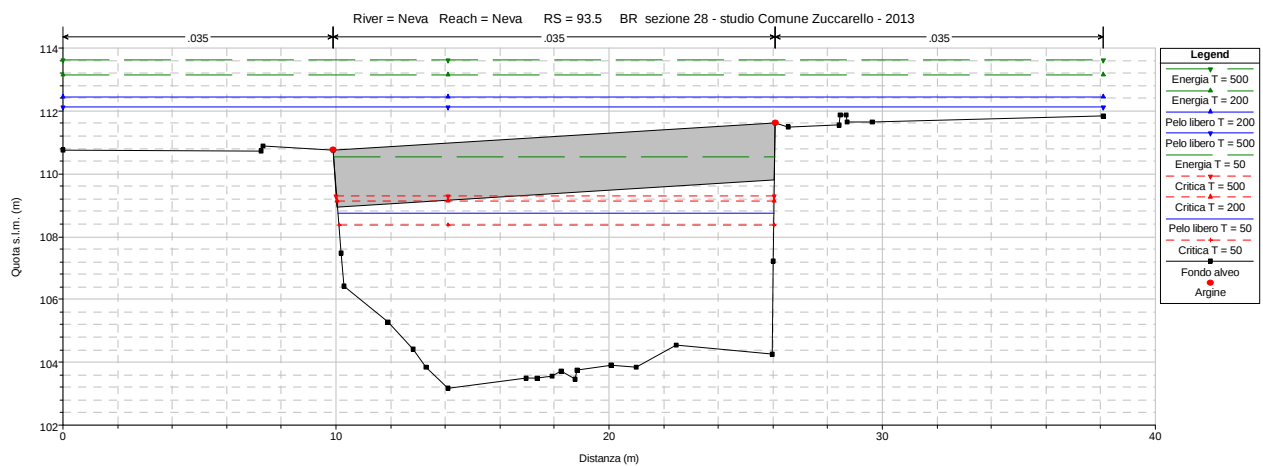
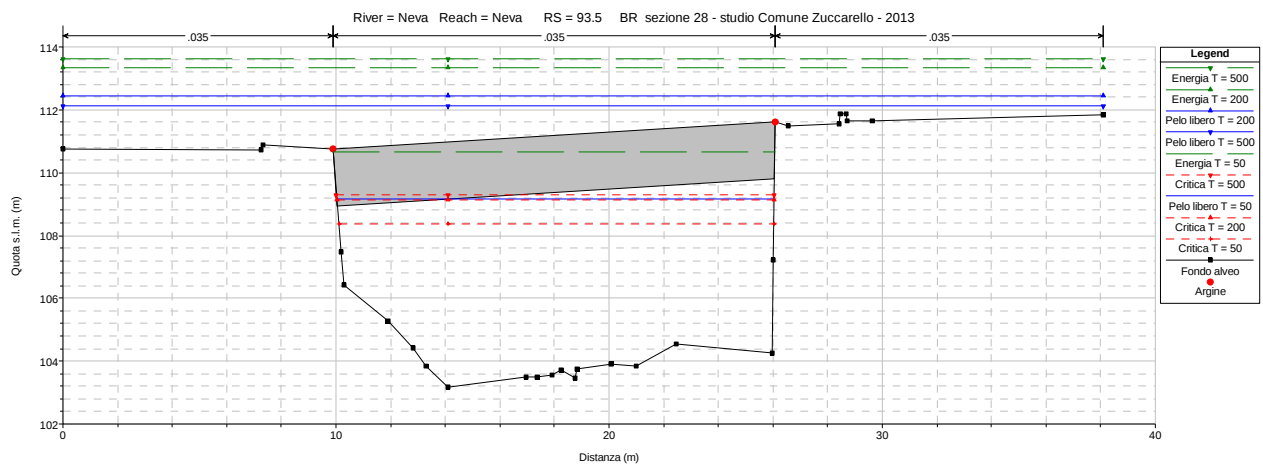
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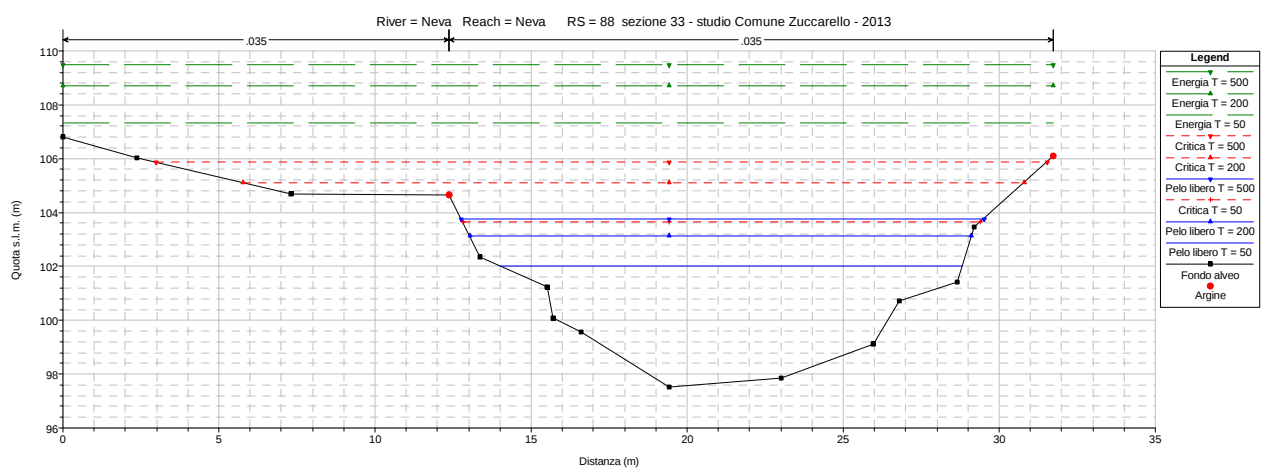
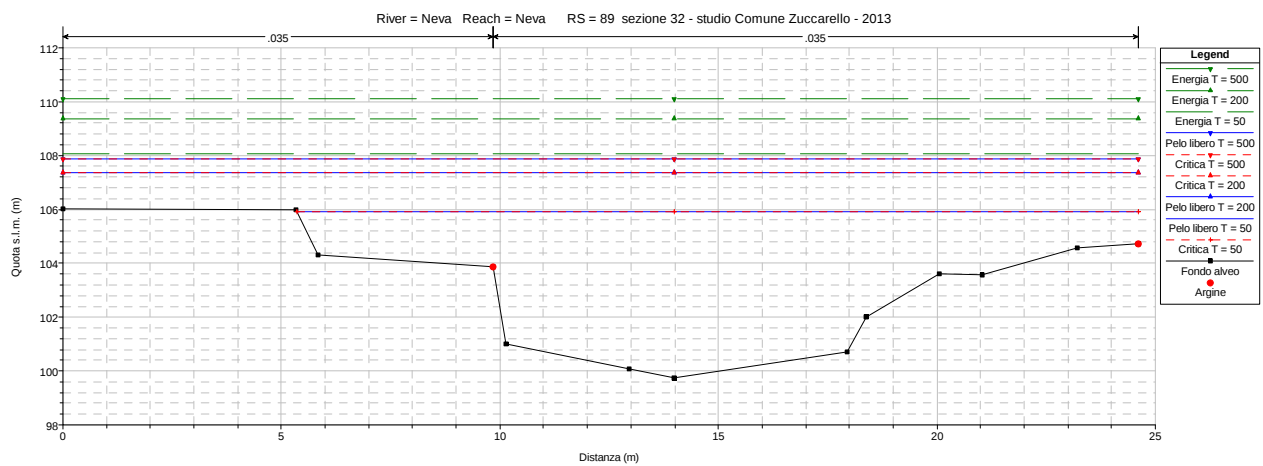
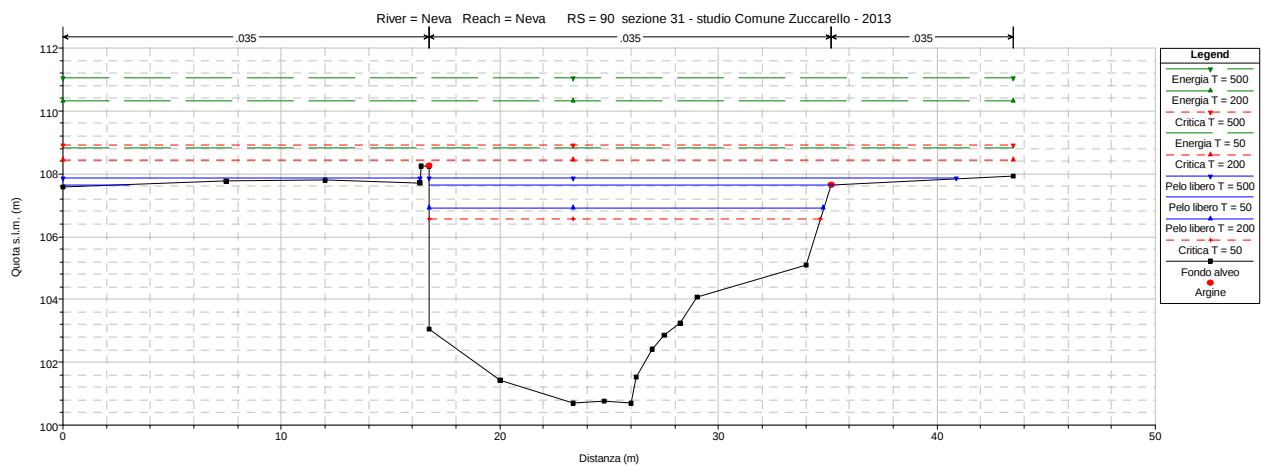
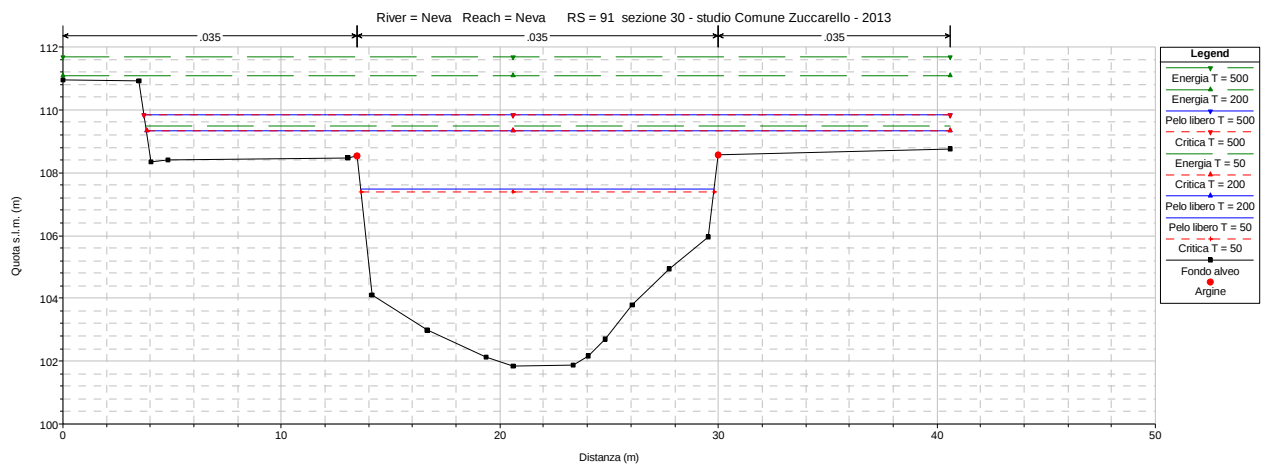
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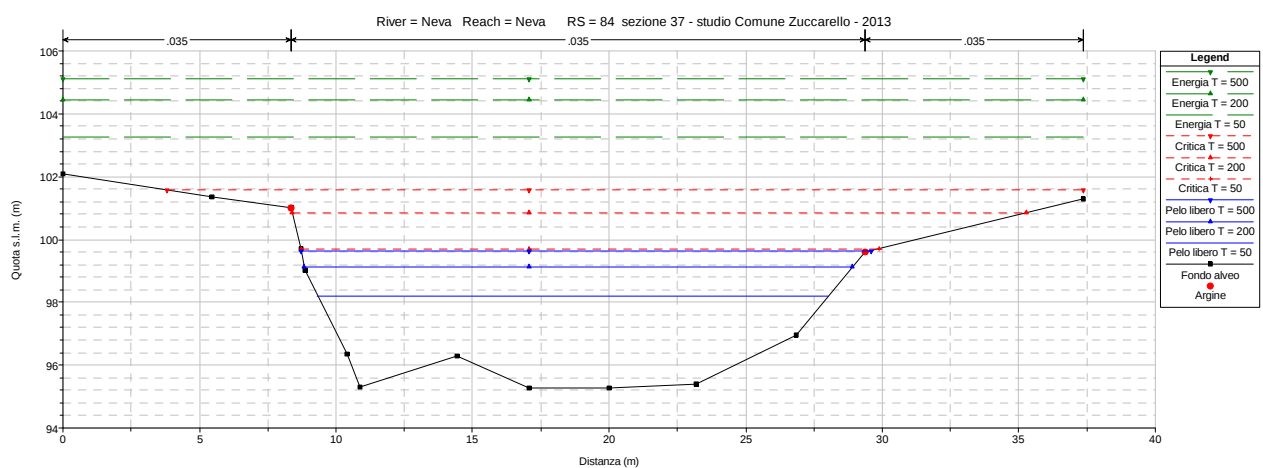
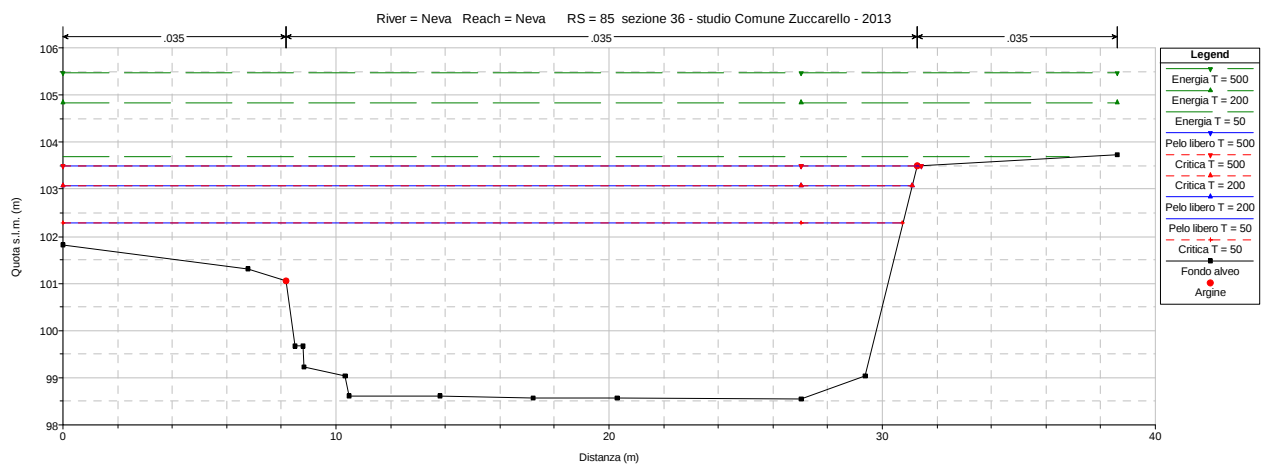
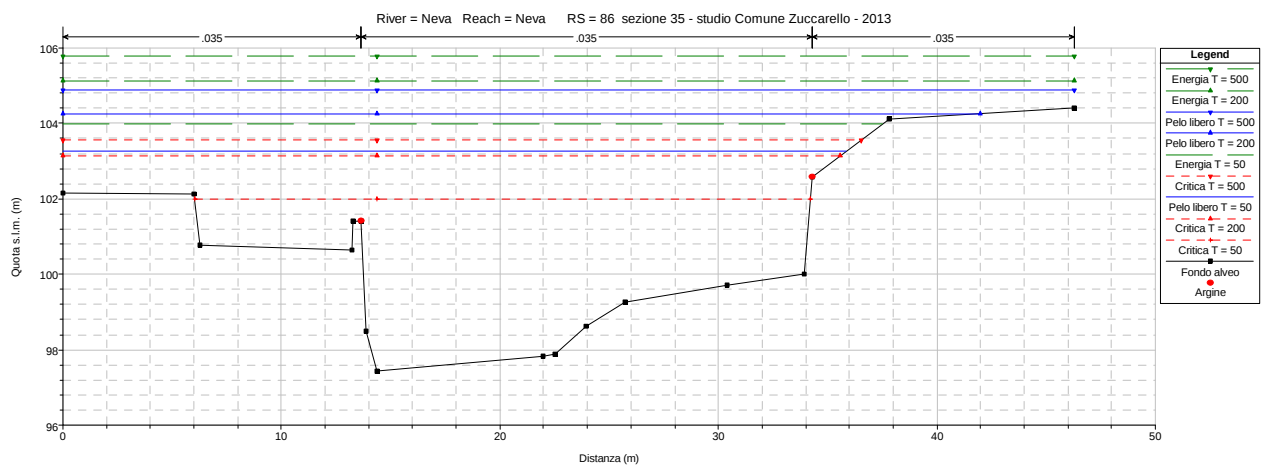
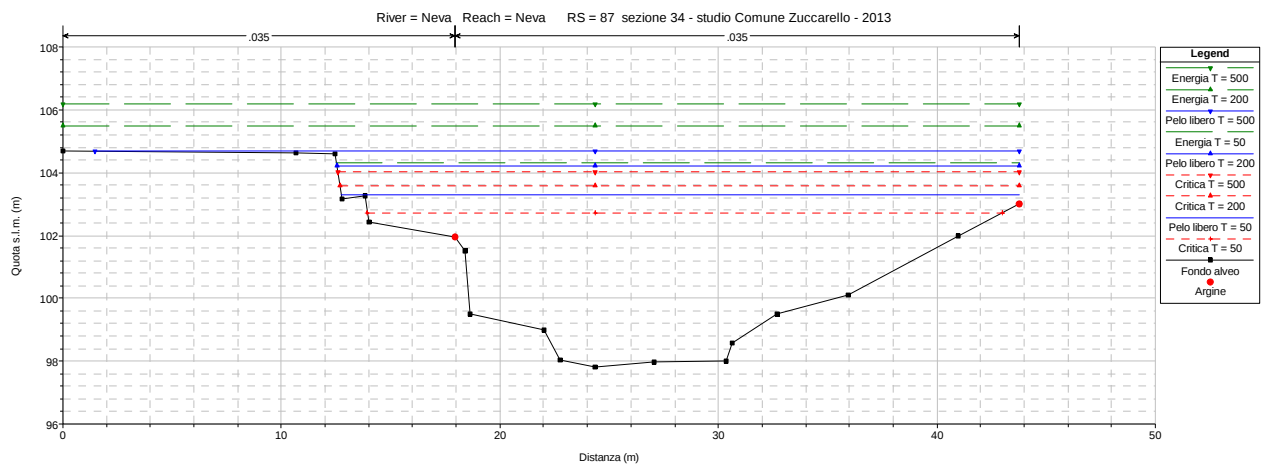
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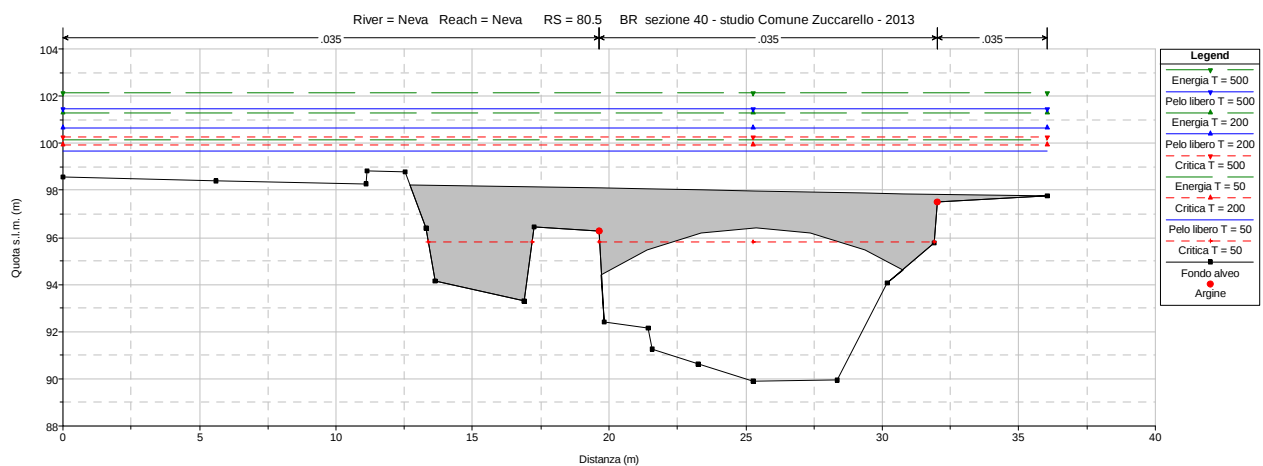
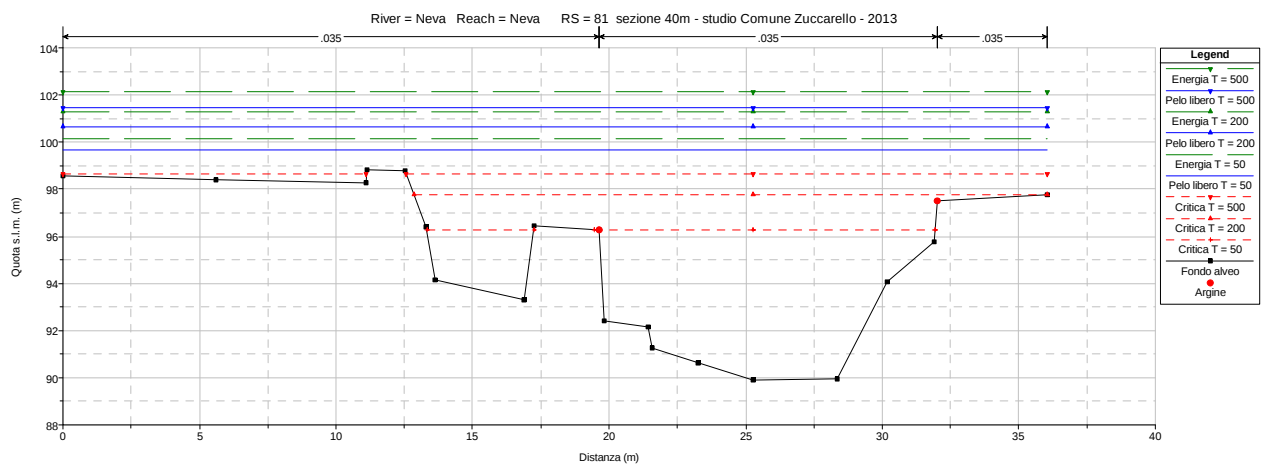
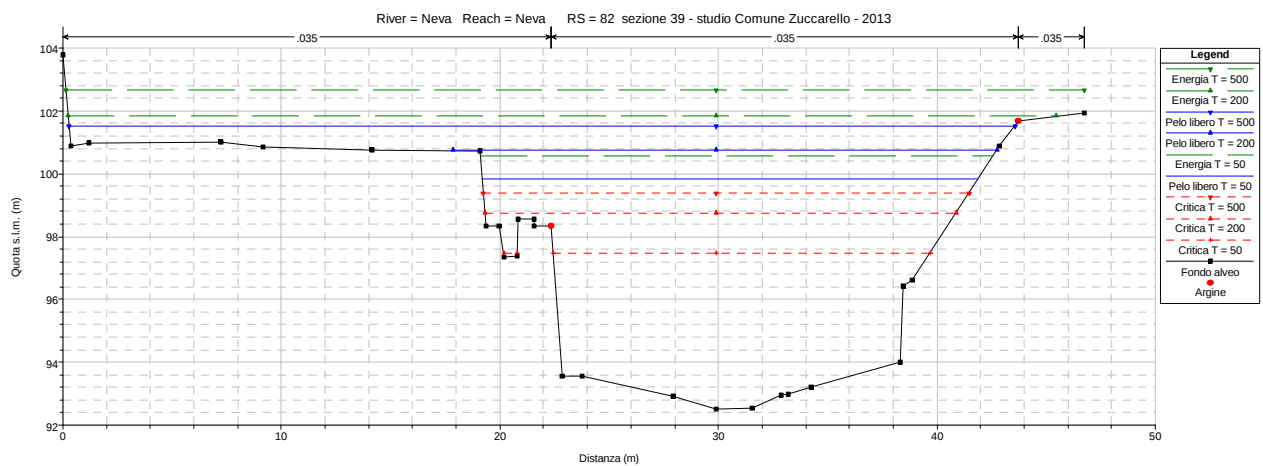
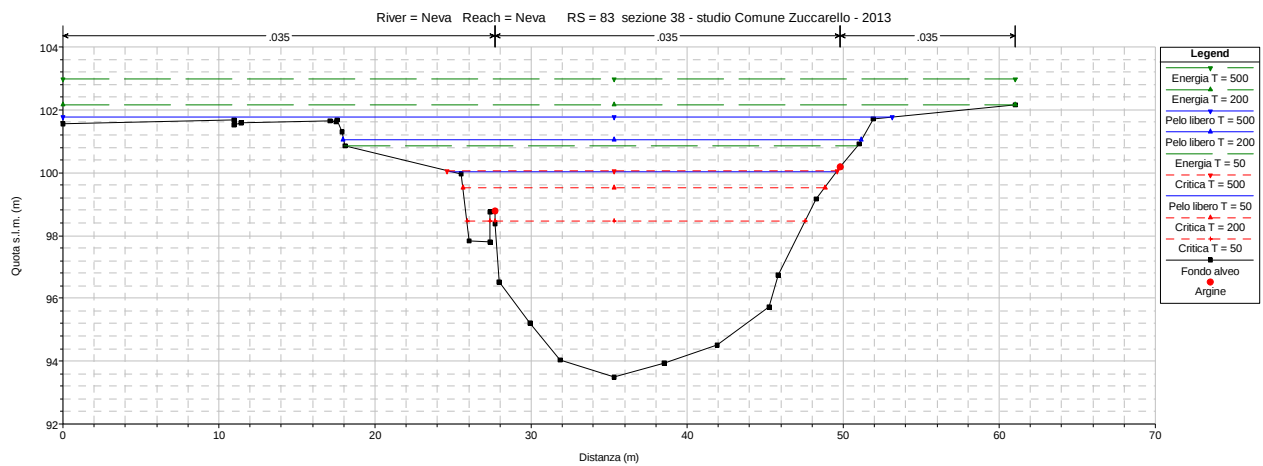
## Torrente Neva – verifica idraulica – sezioni trasversali



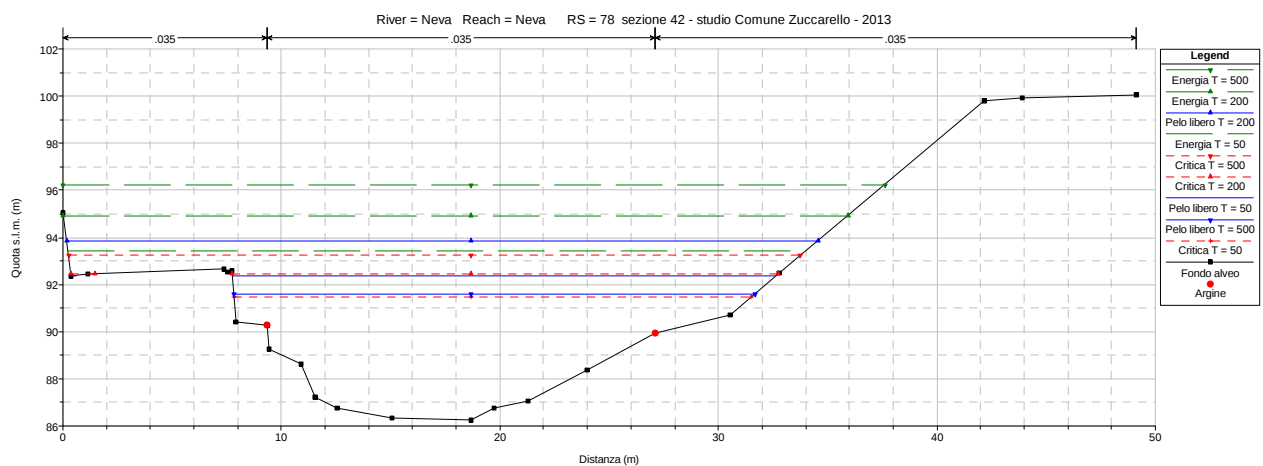
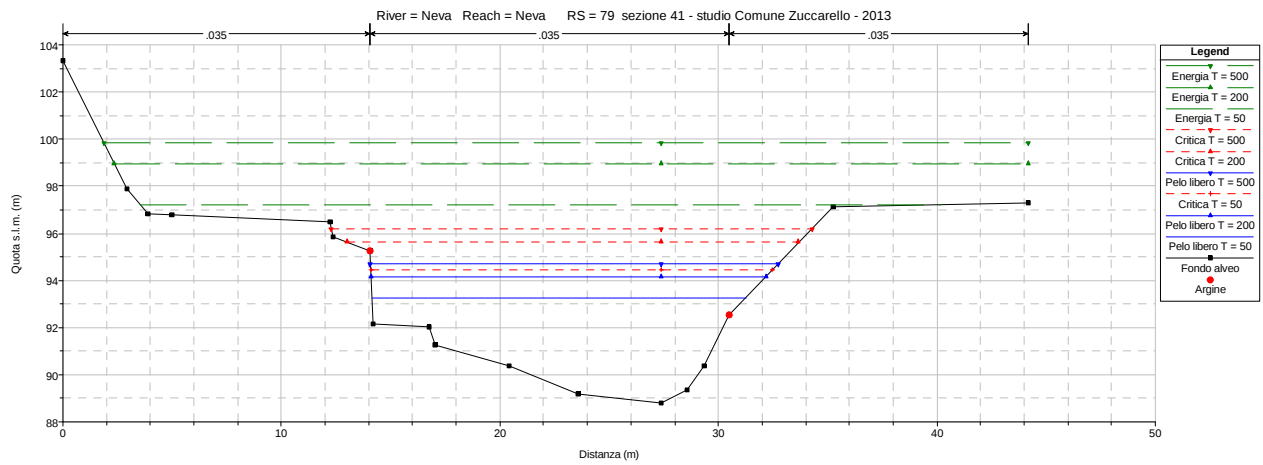
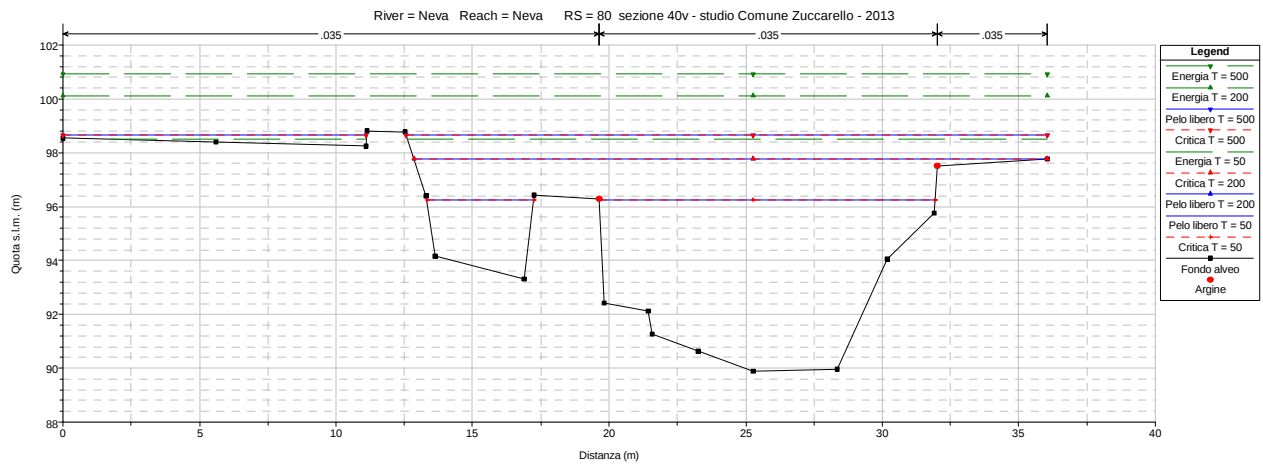
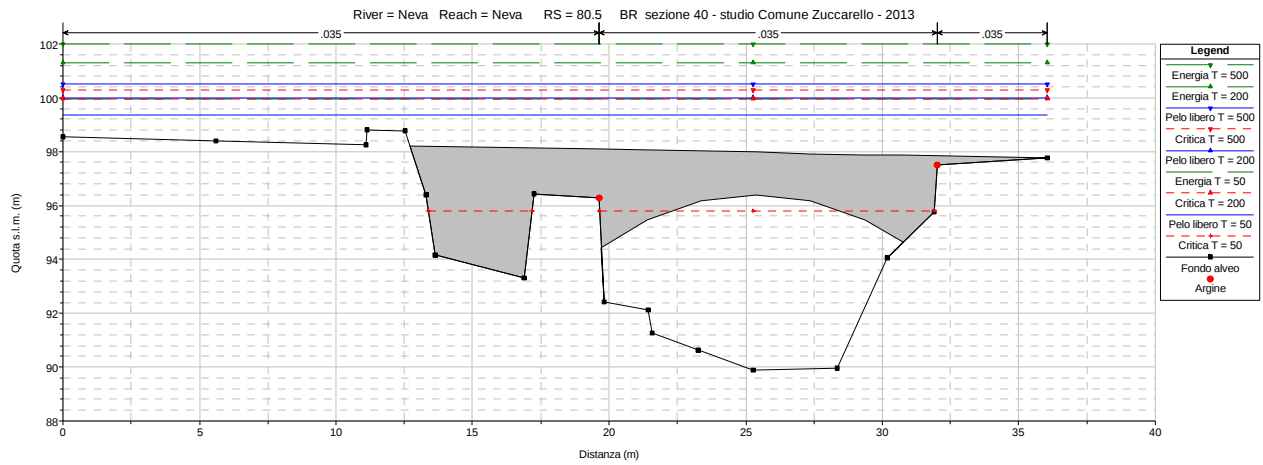
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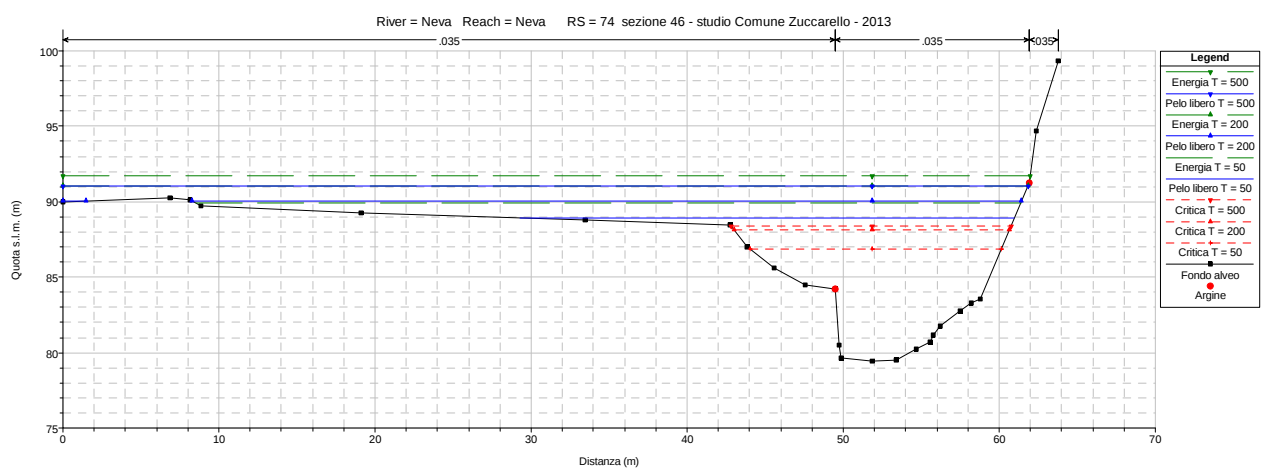
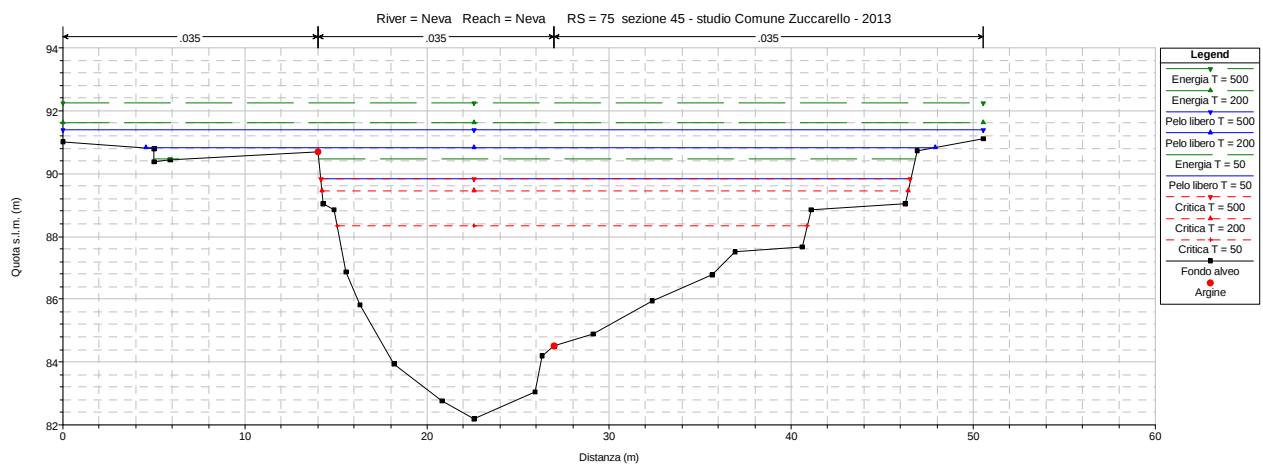
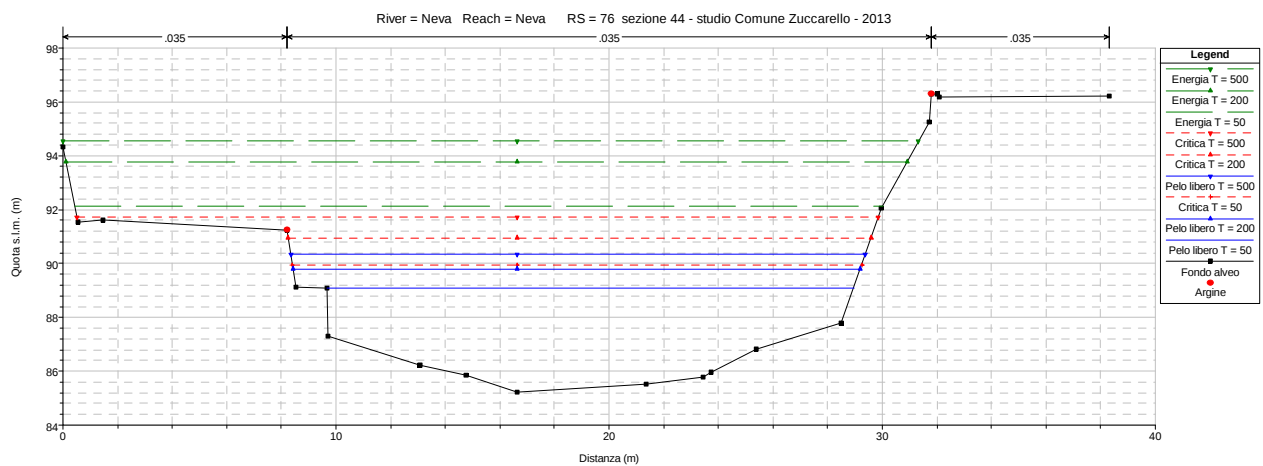
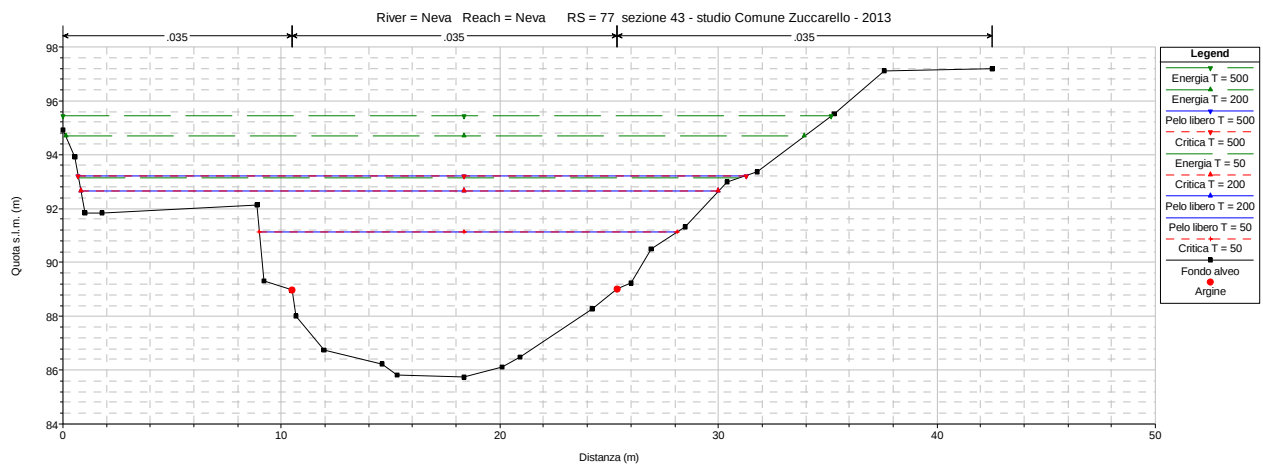
# Torrente Neva – verifica idraulica – sezioni trasversali



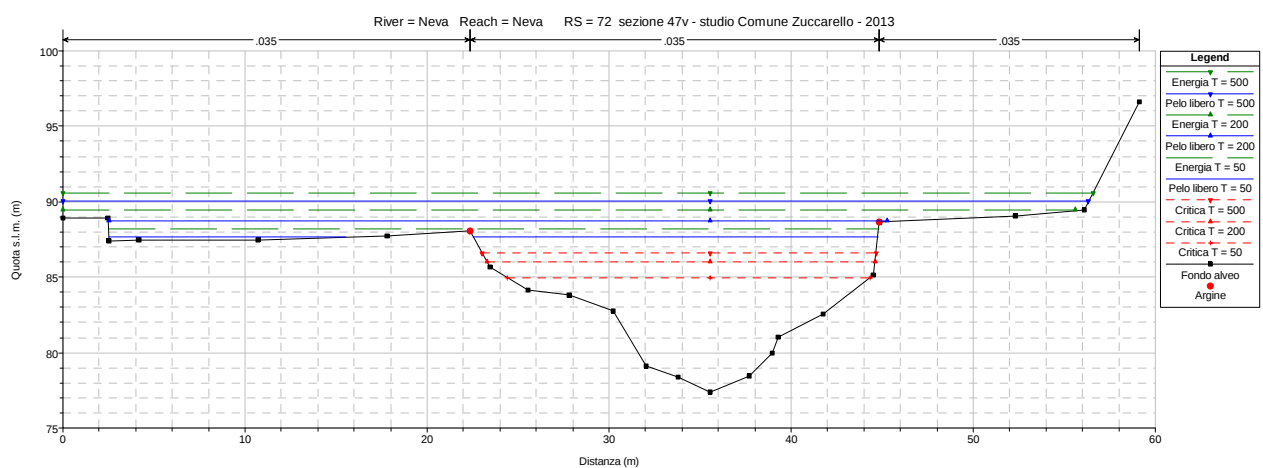
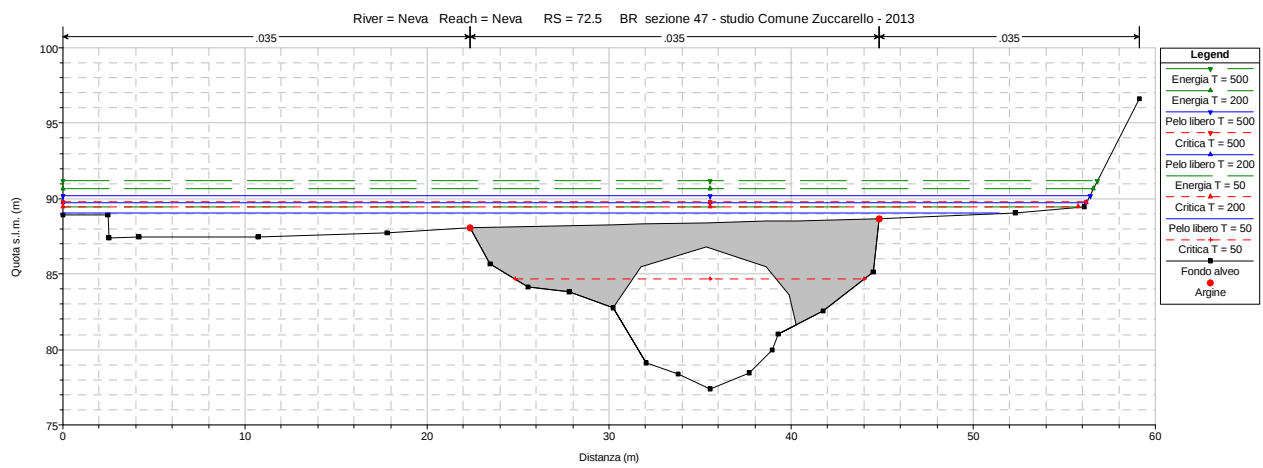
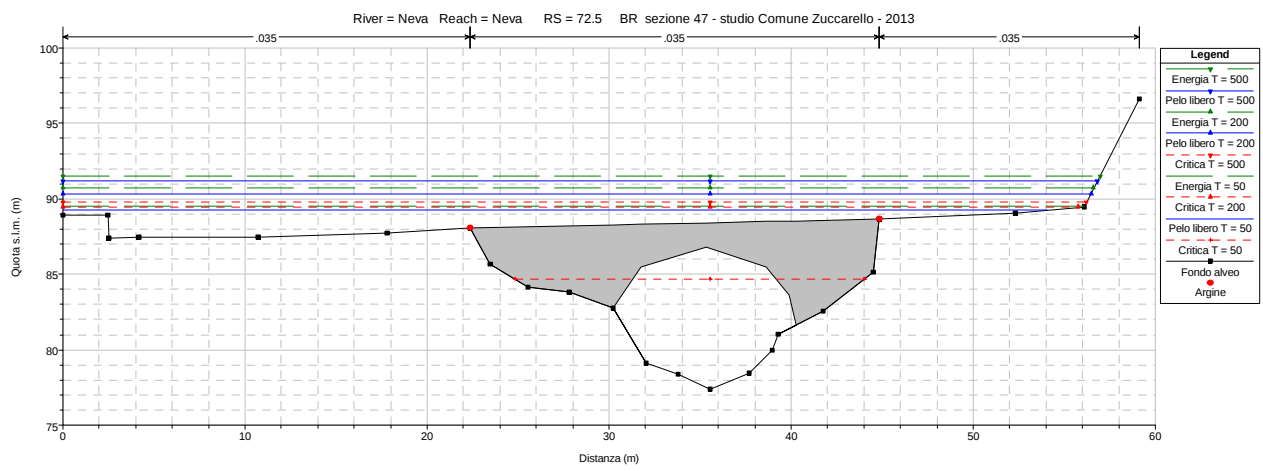
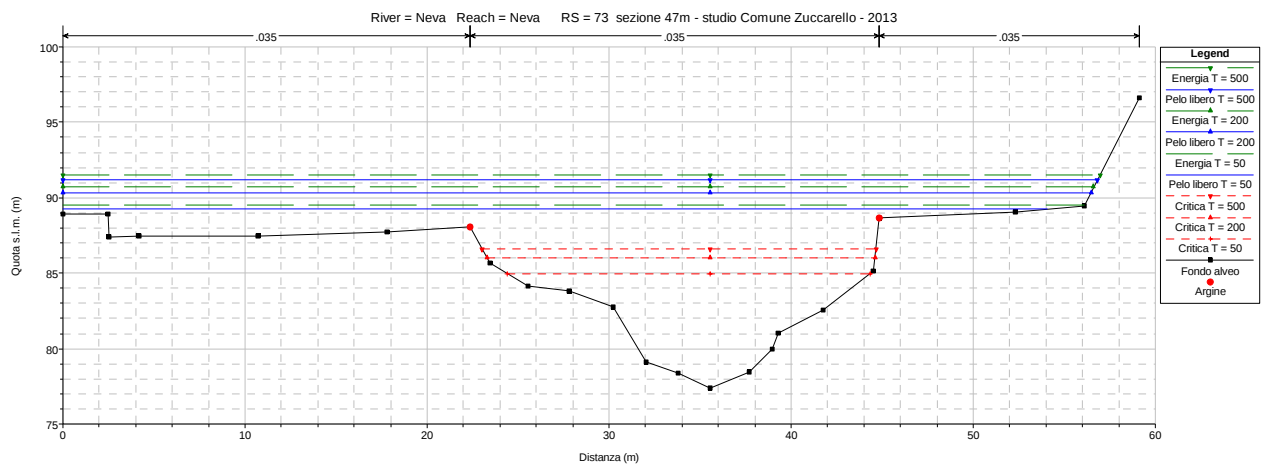
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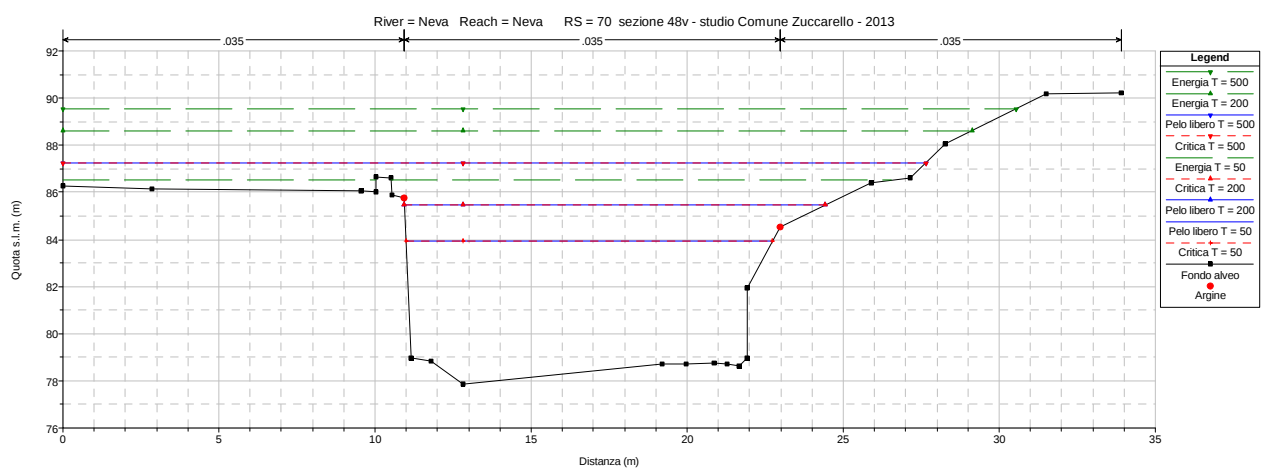
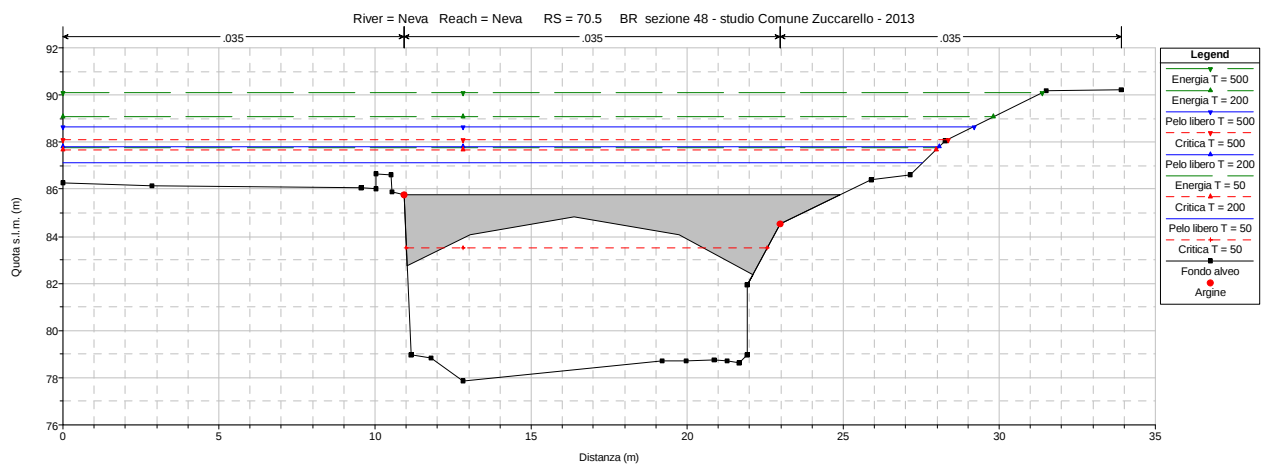
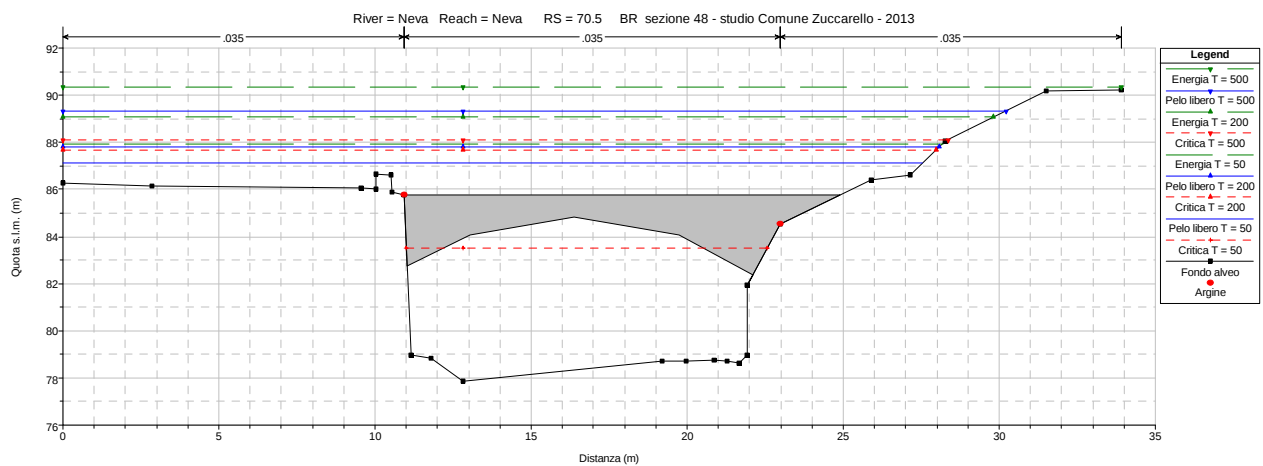
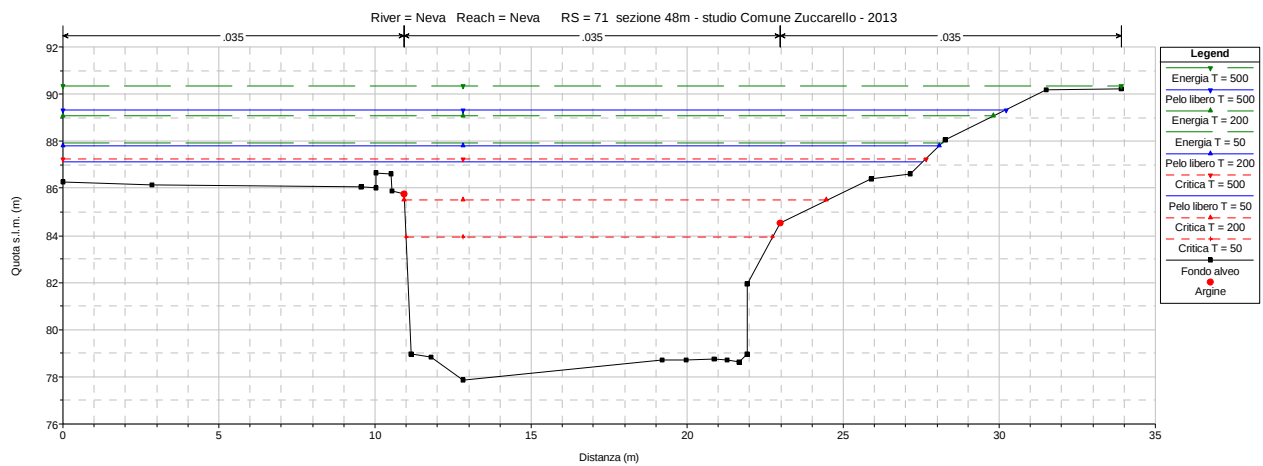
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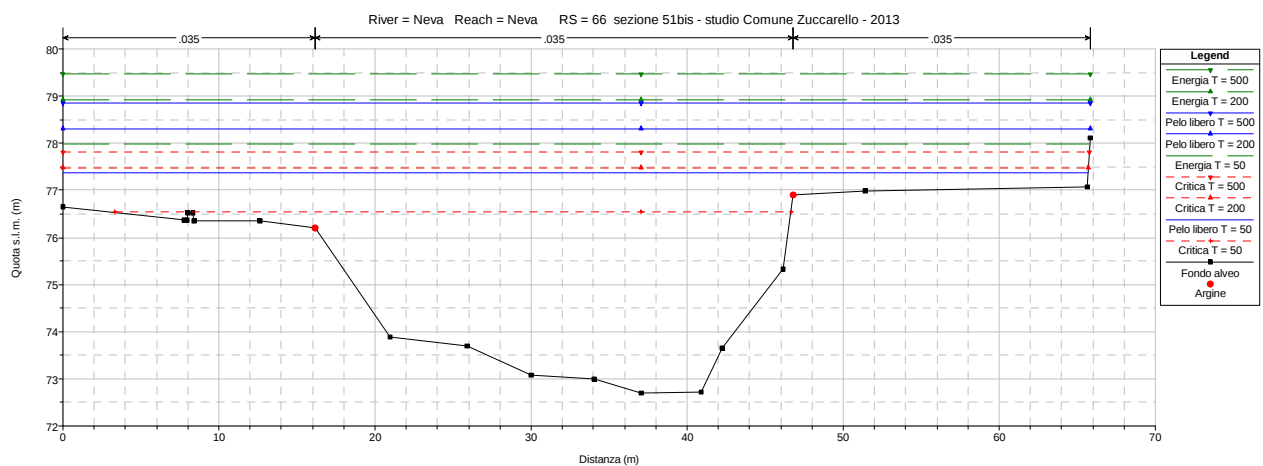
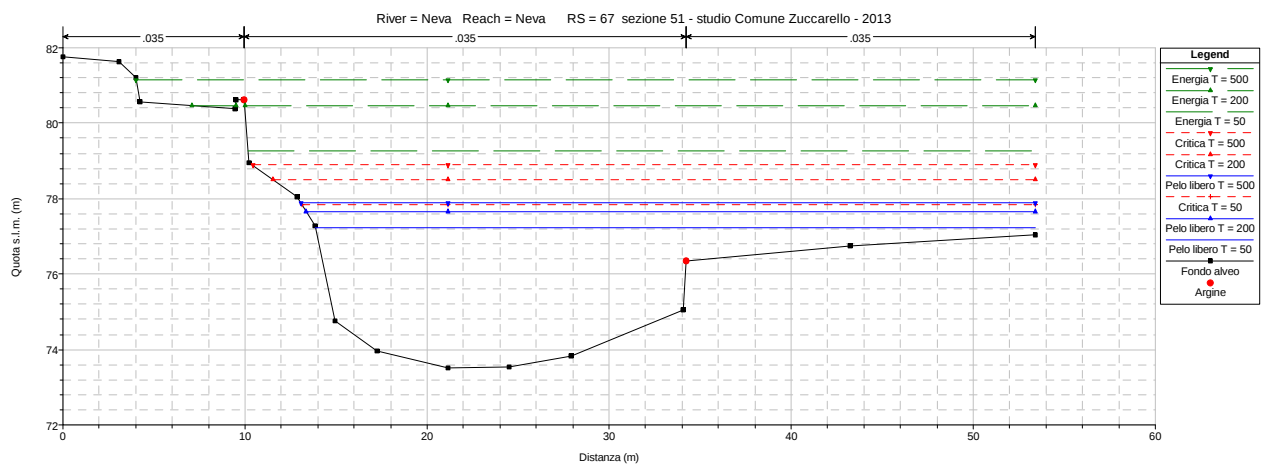
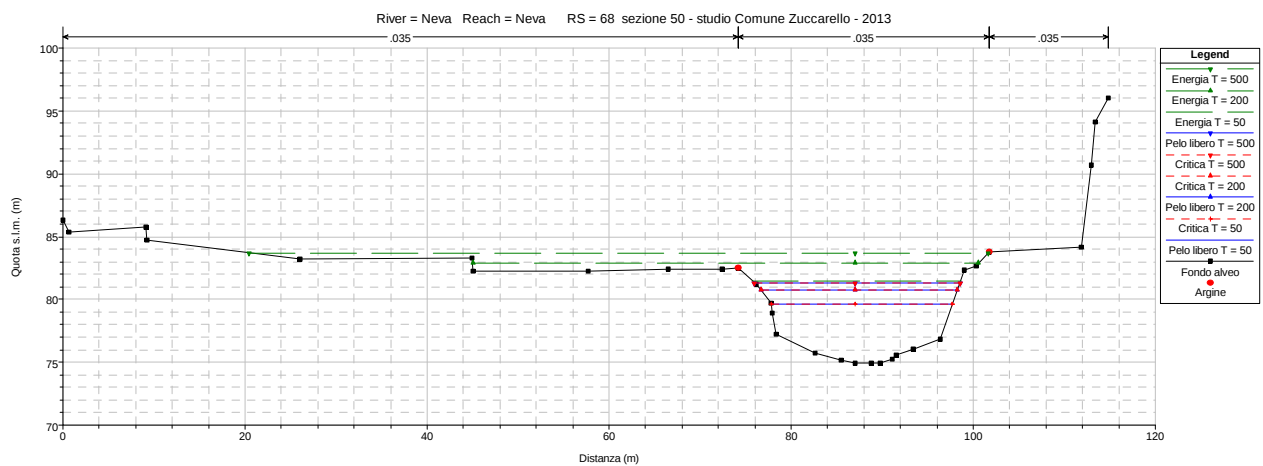
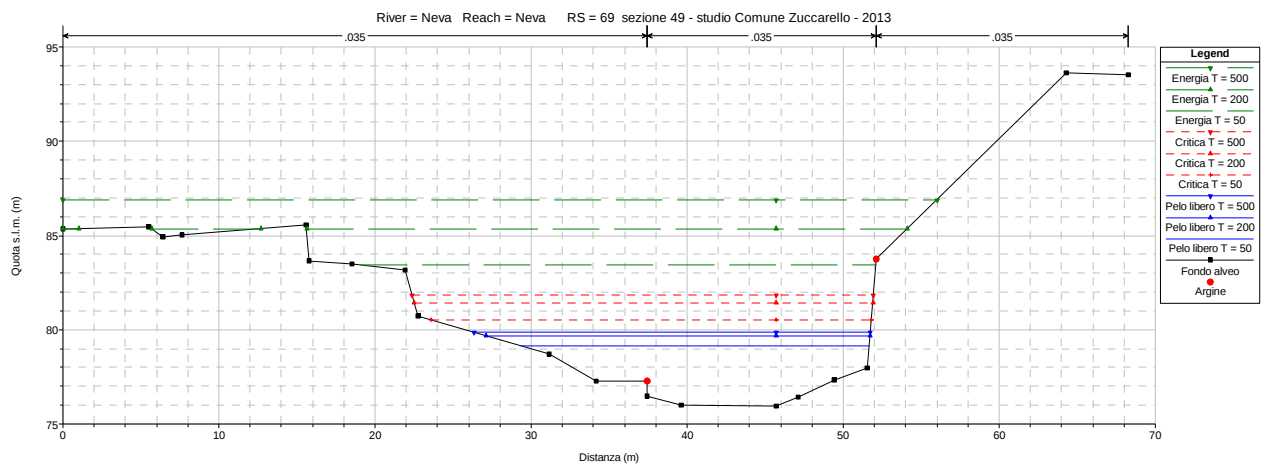
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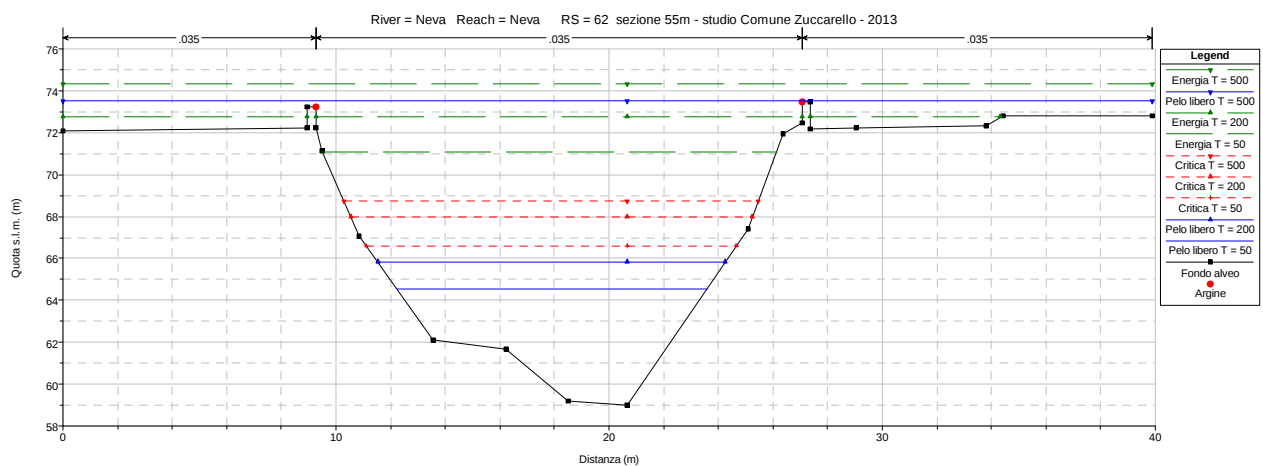
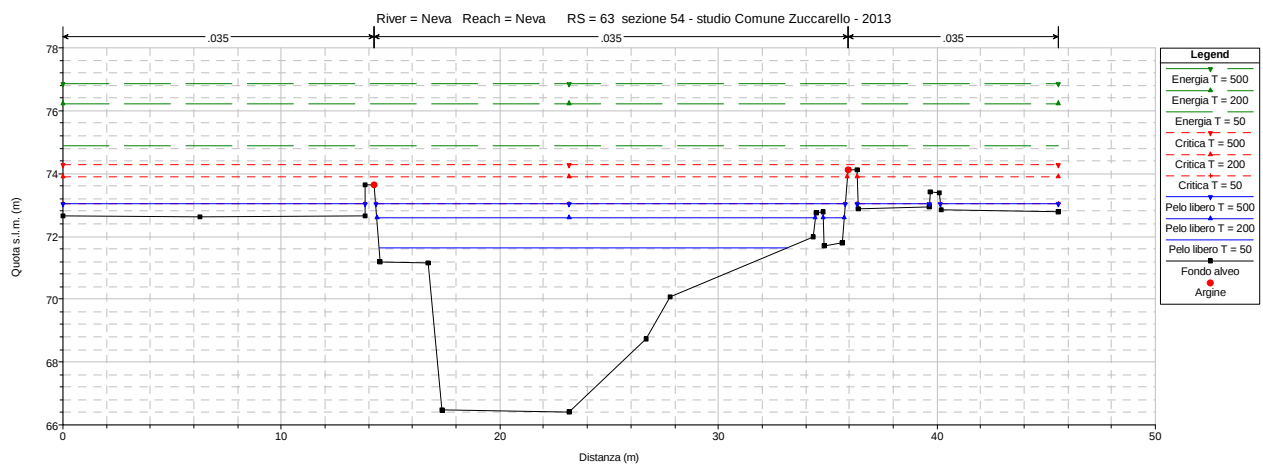
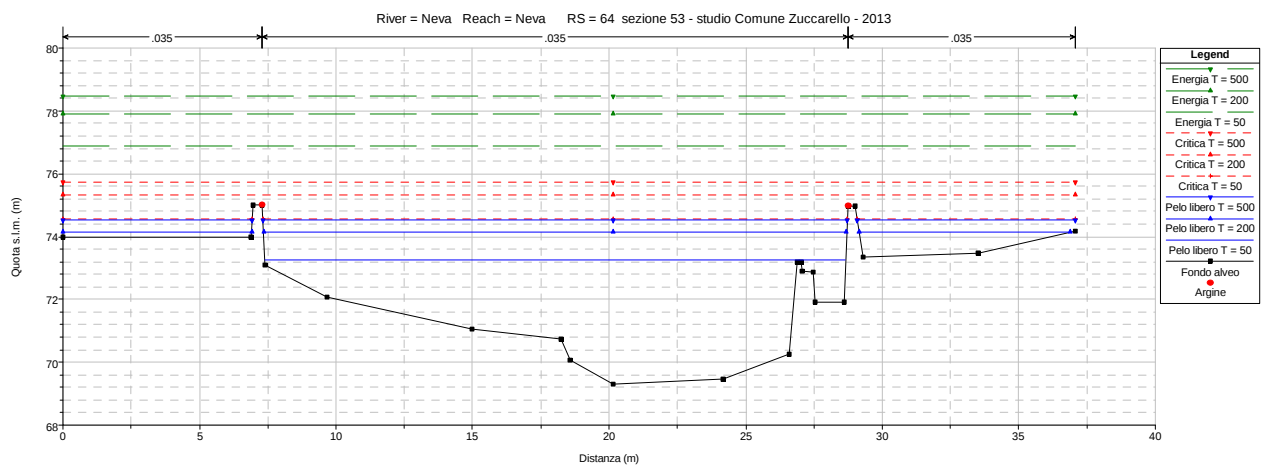
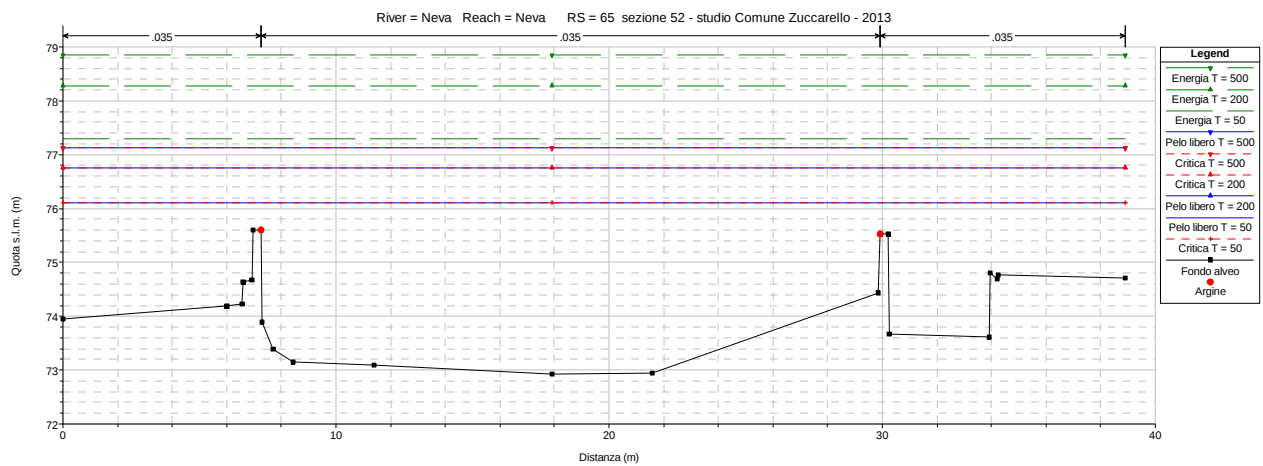
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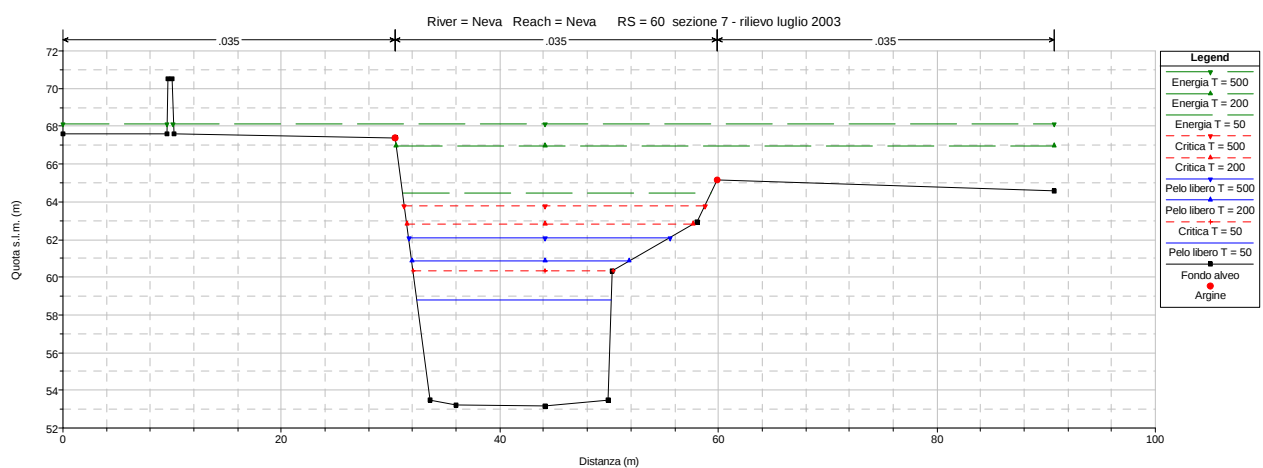
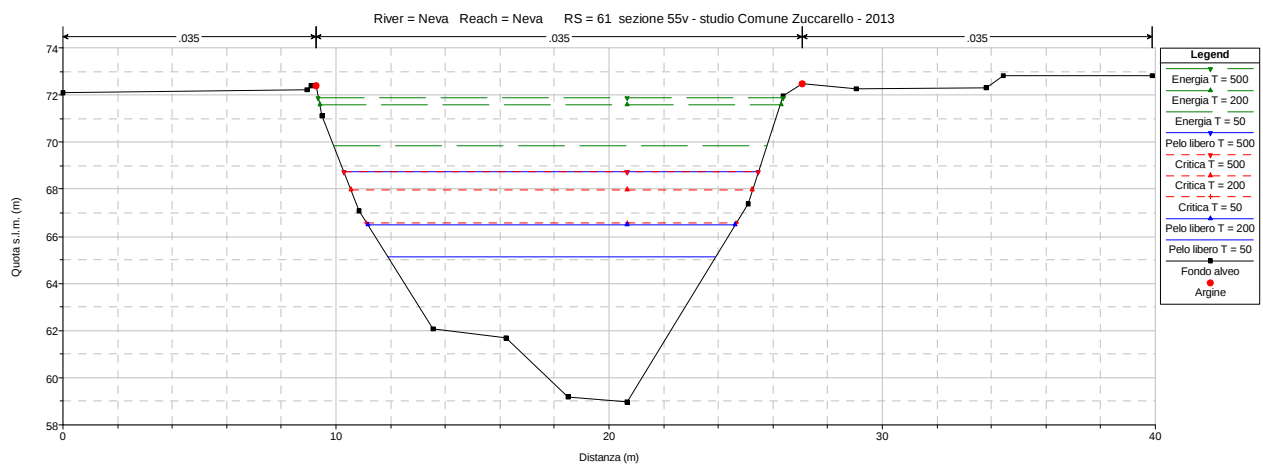
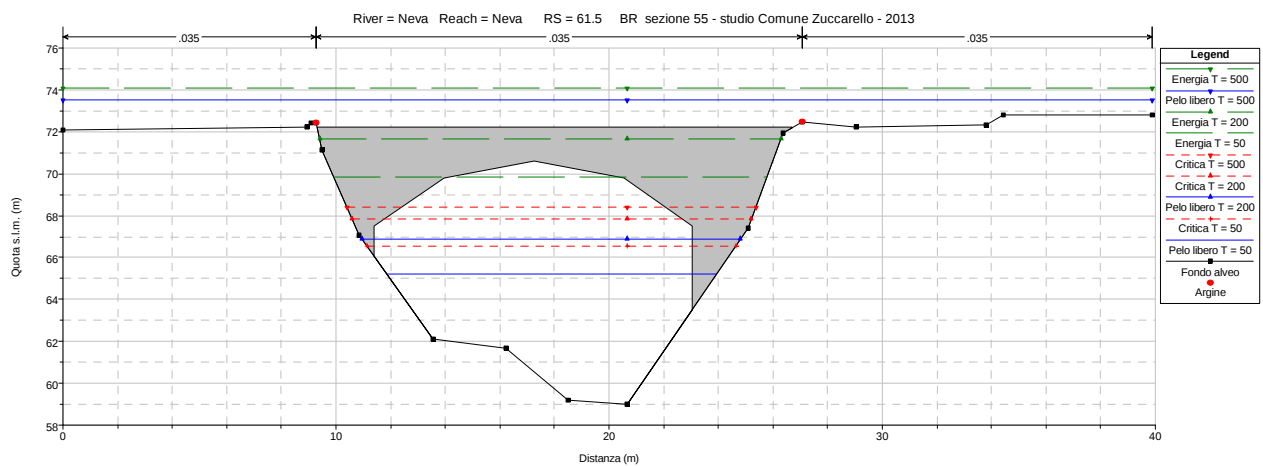
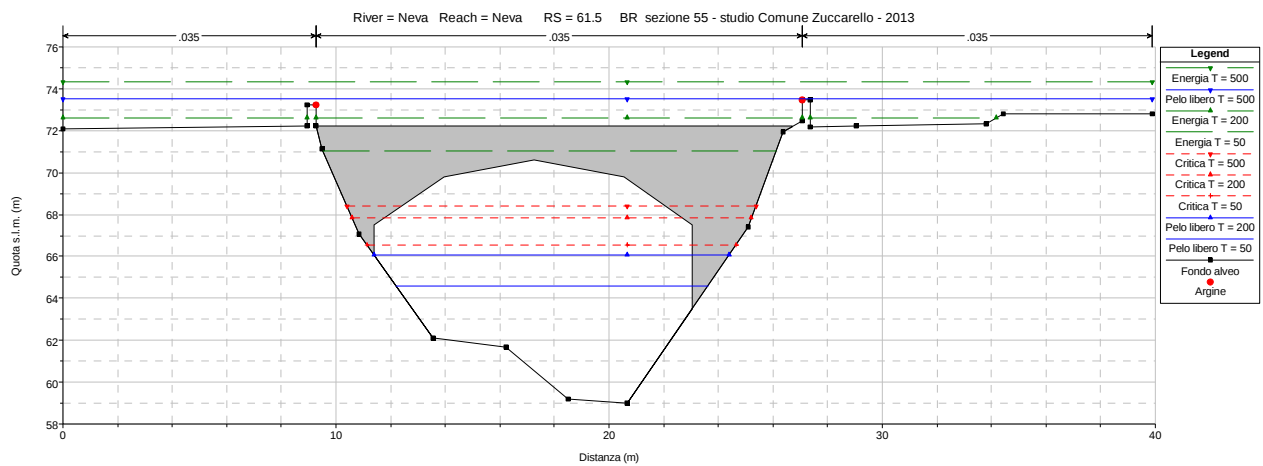
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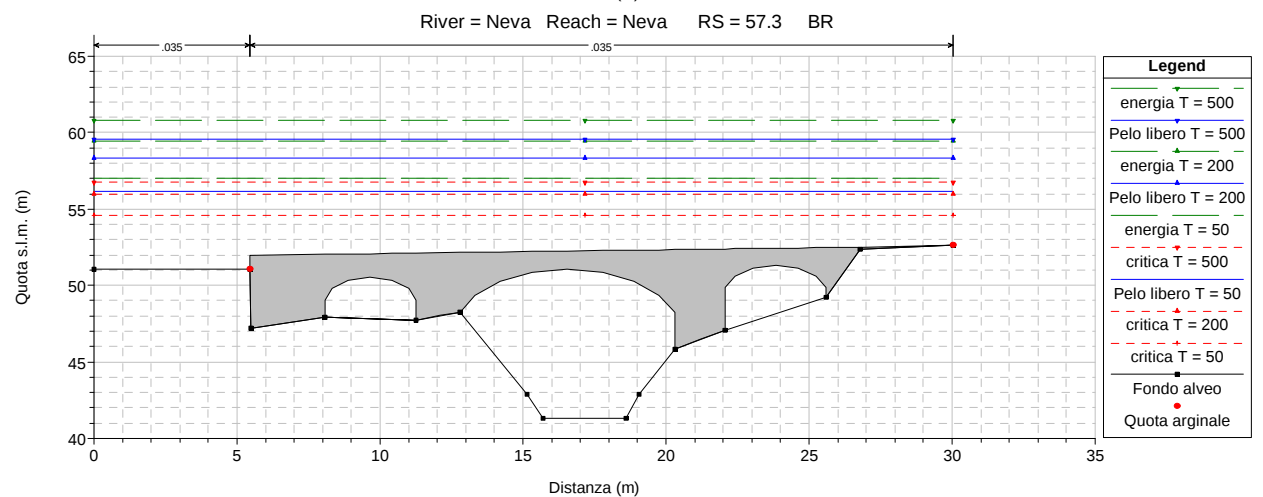
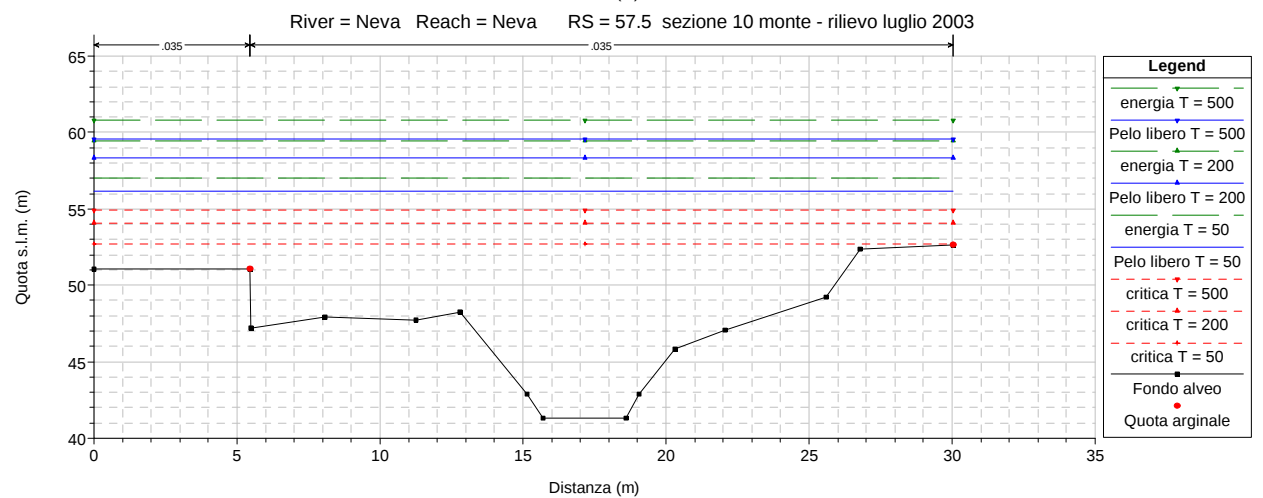
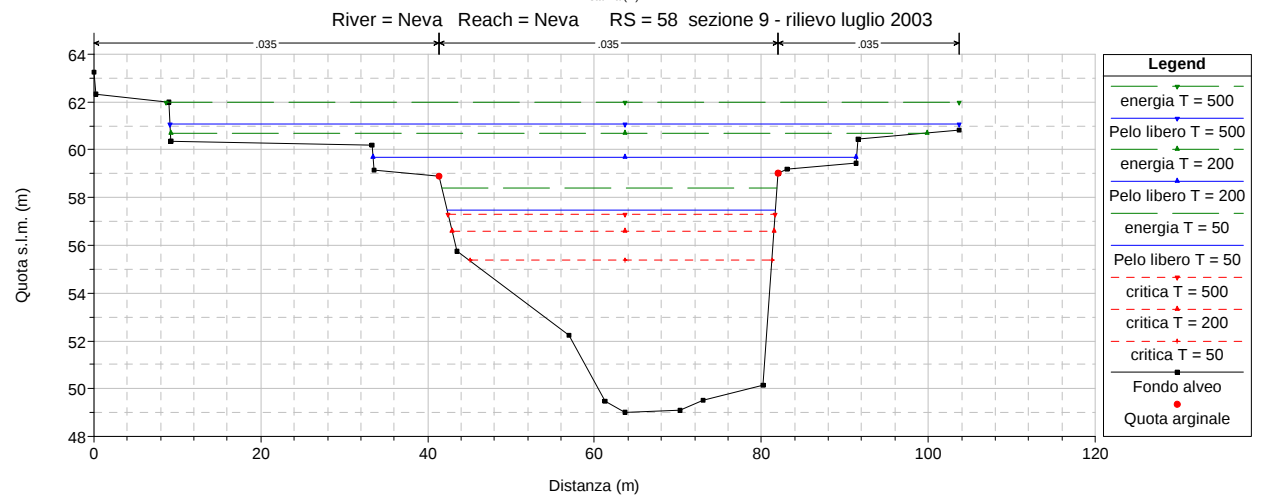
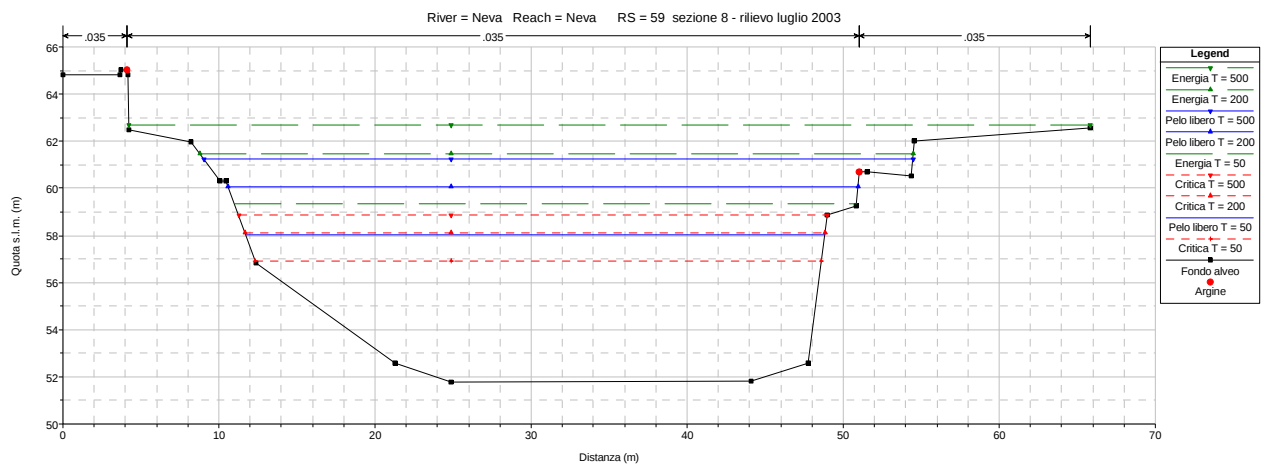
## Torrente Neva – verifica idraulica – sezioni trasversali



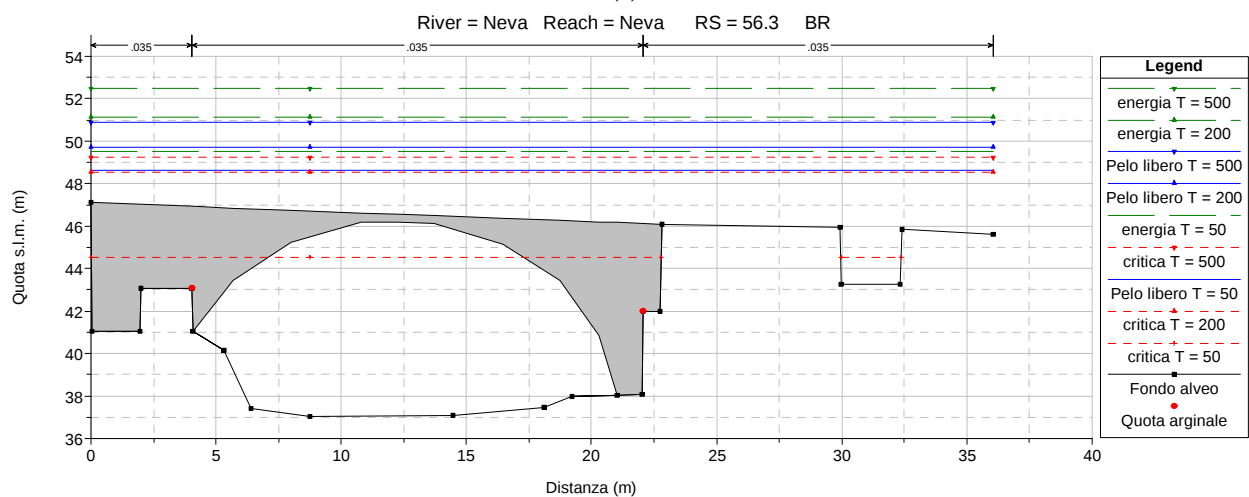
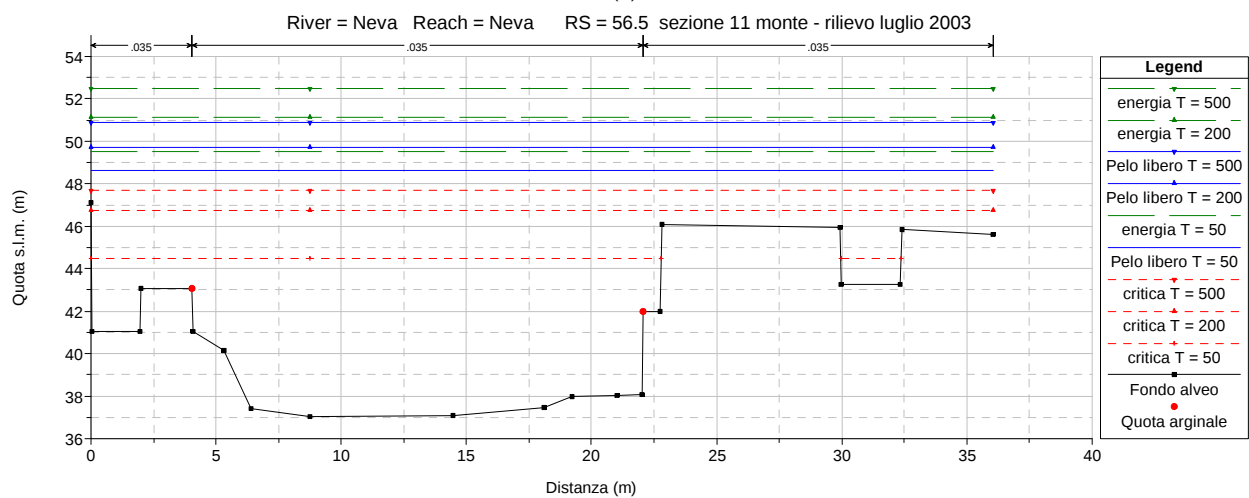
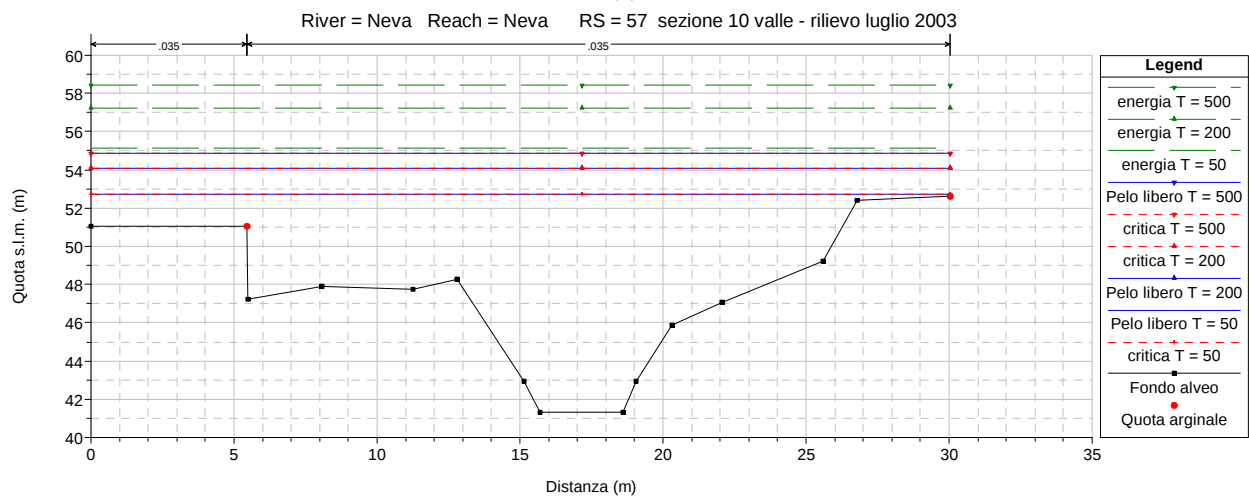
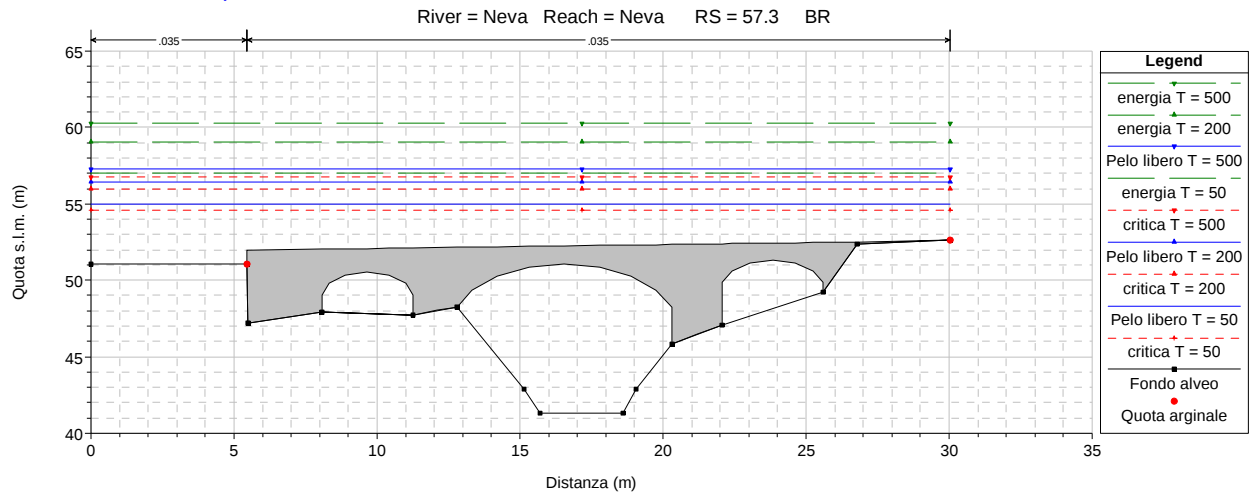
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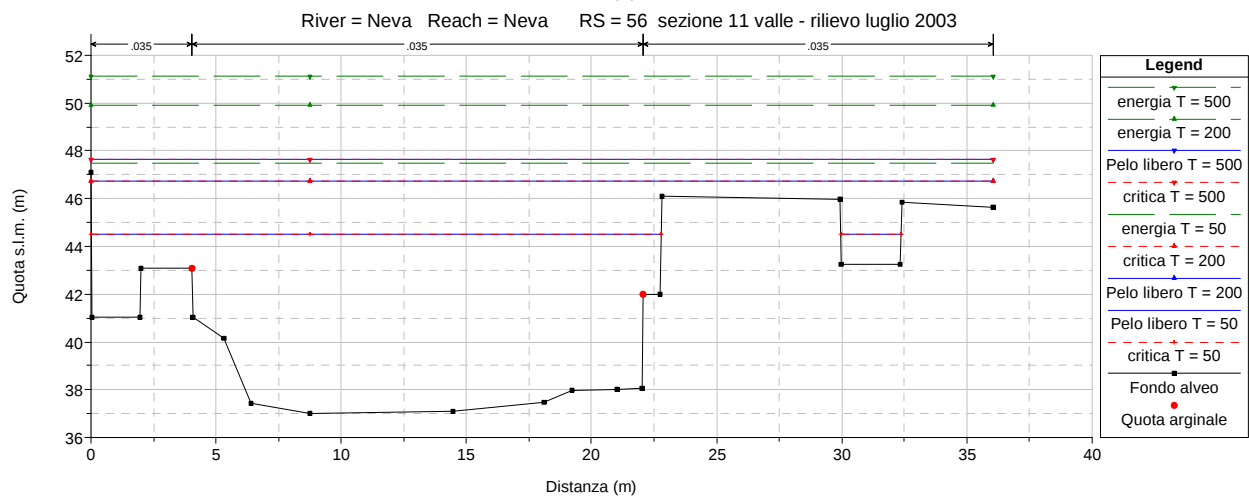
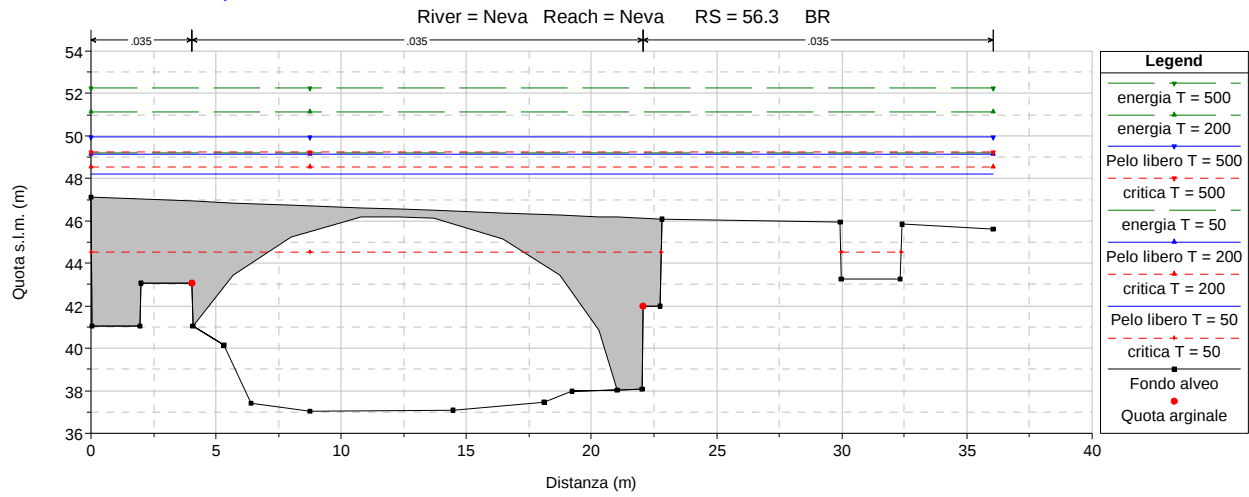
# Torrente Neva – verifica idraulica – sezioni trasversali



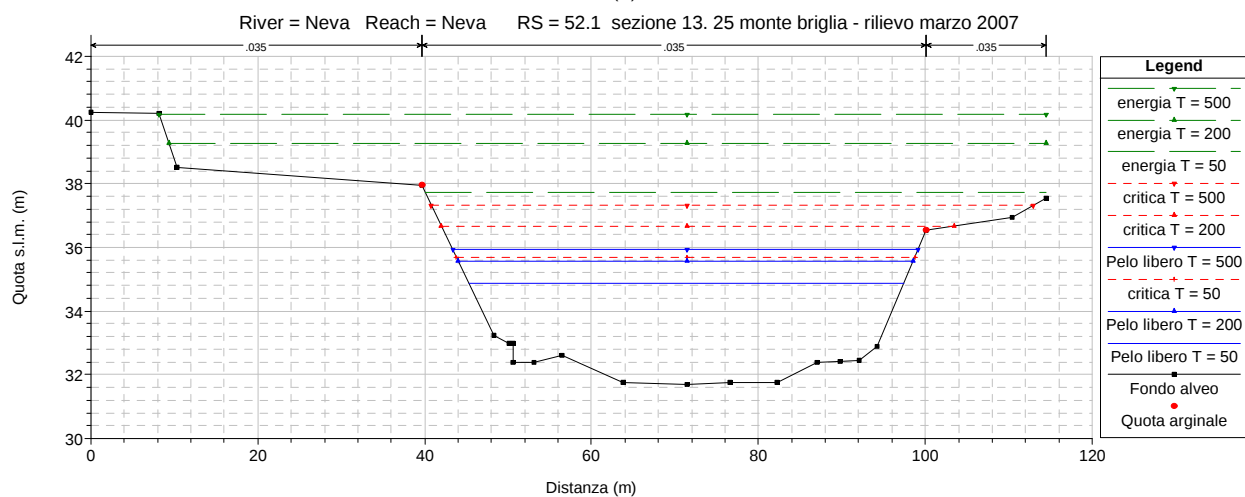
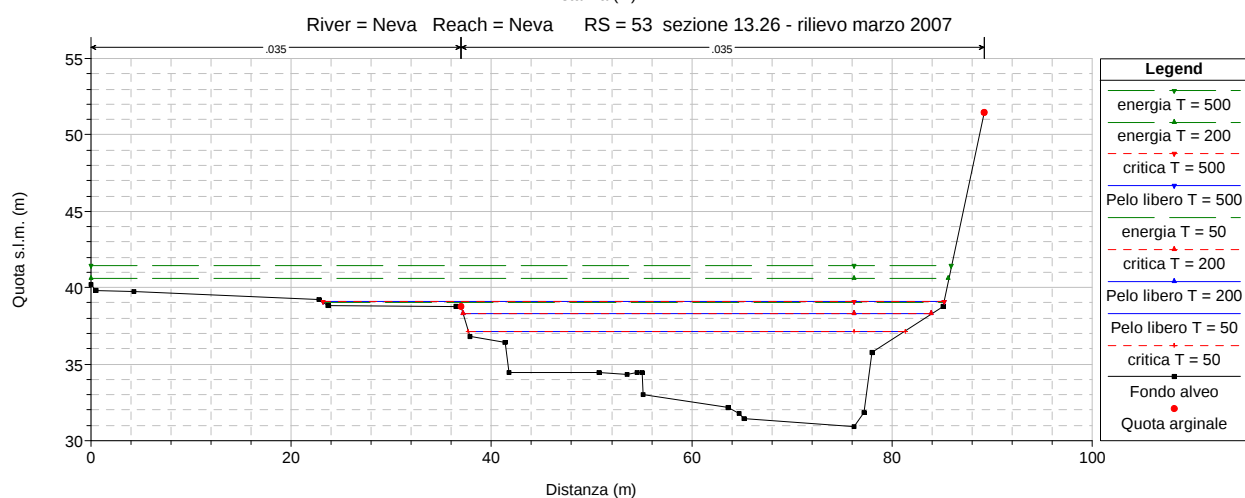
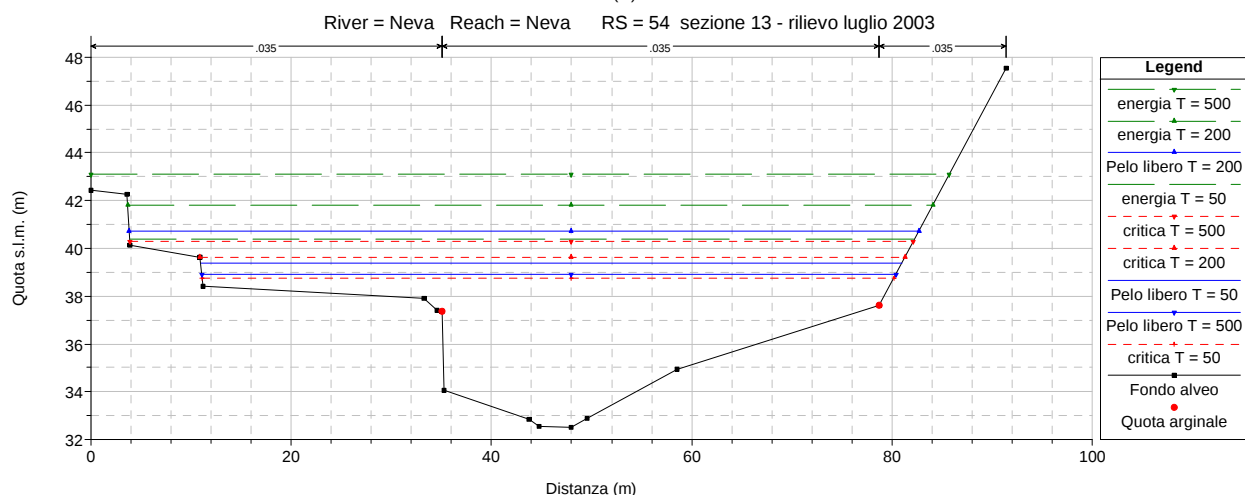
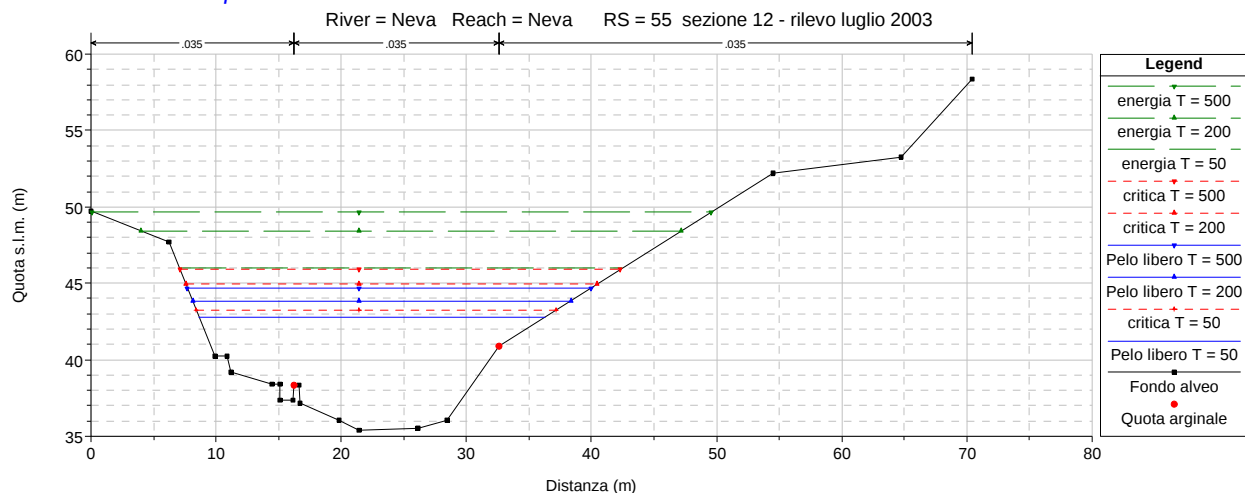
# Torrente Neva – verifica idraulica – sezioni trasversali



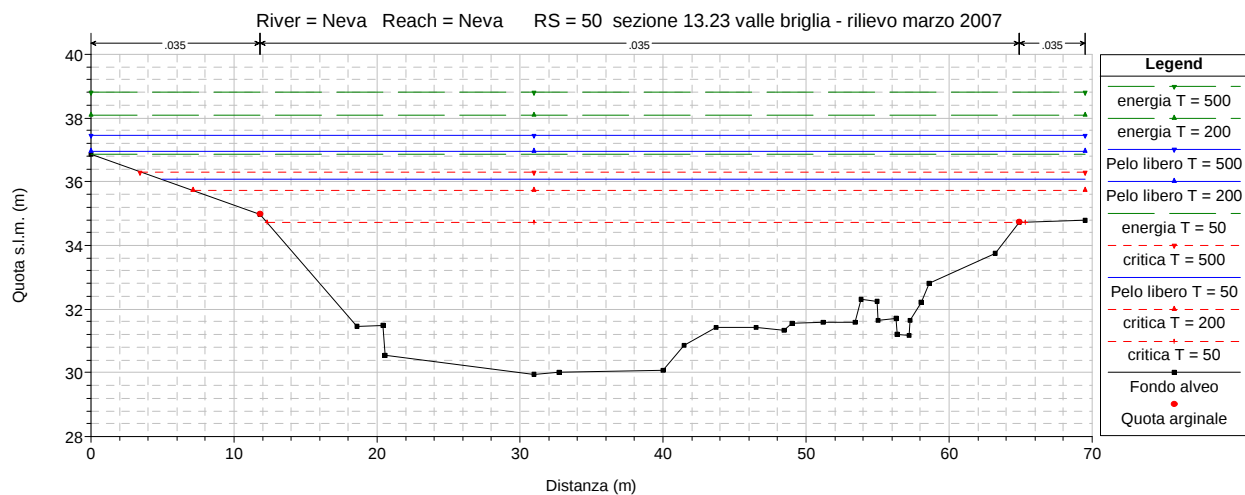
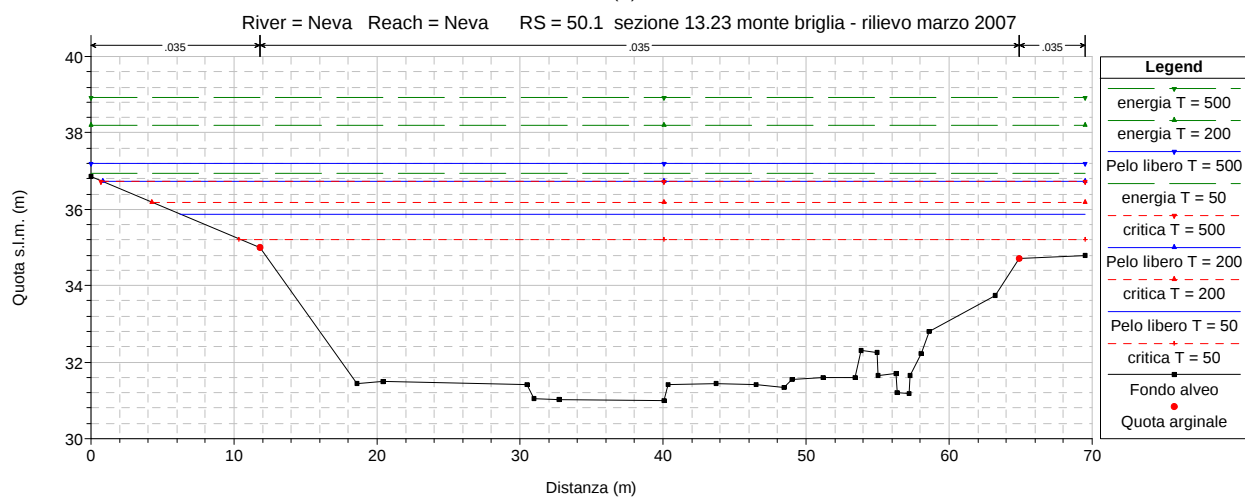
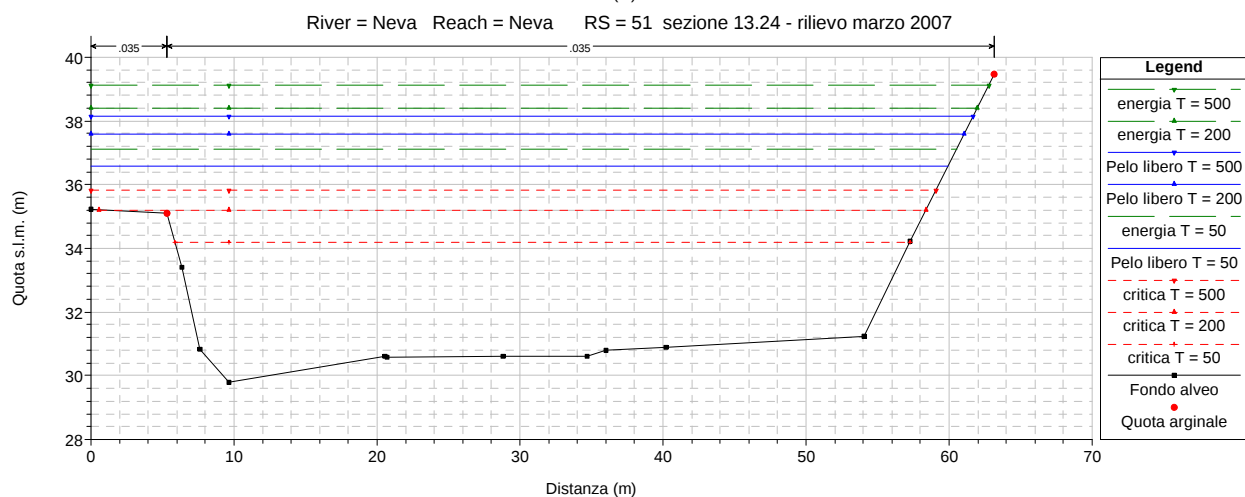
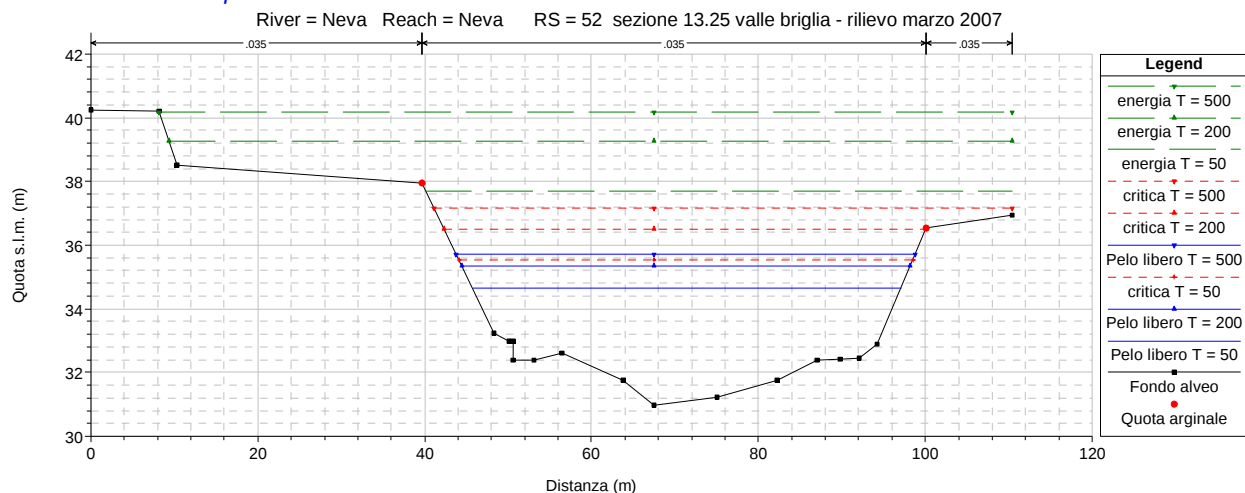
*Torrente Neva – verifica idraulica – sezioni trasversali*



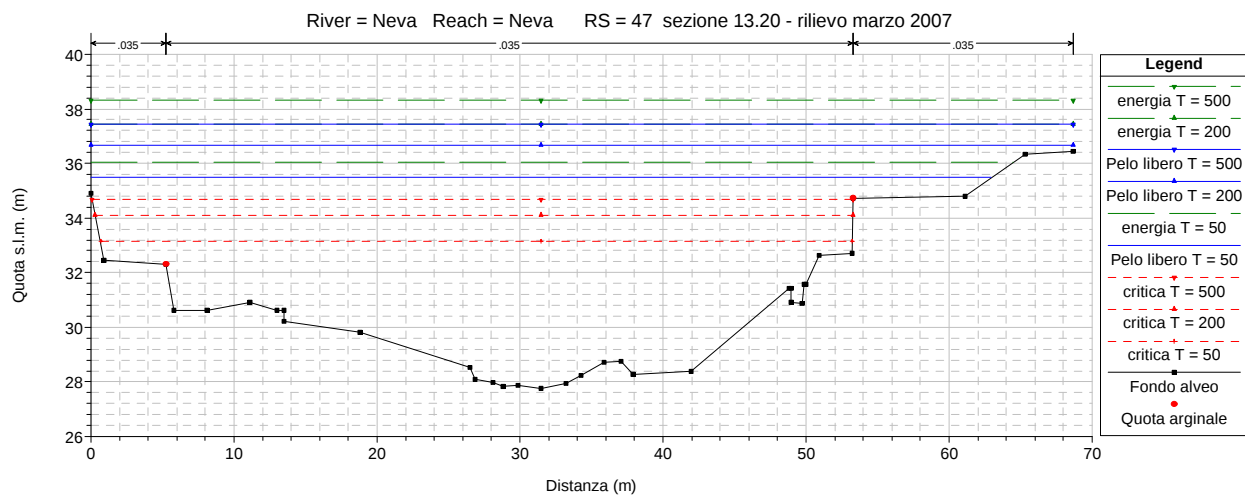
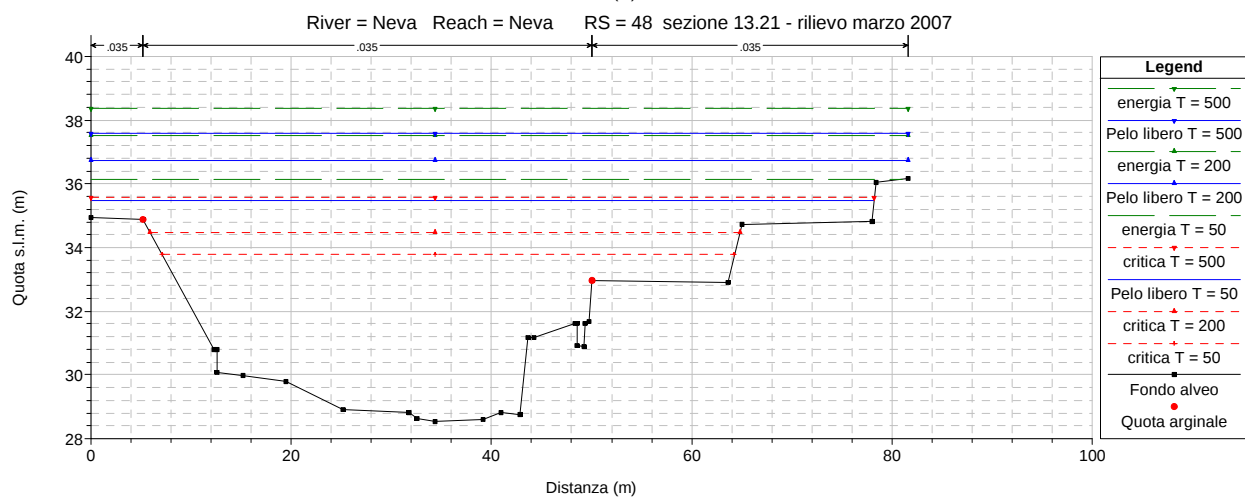
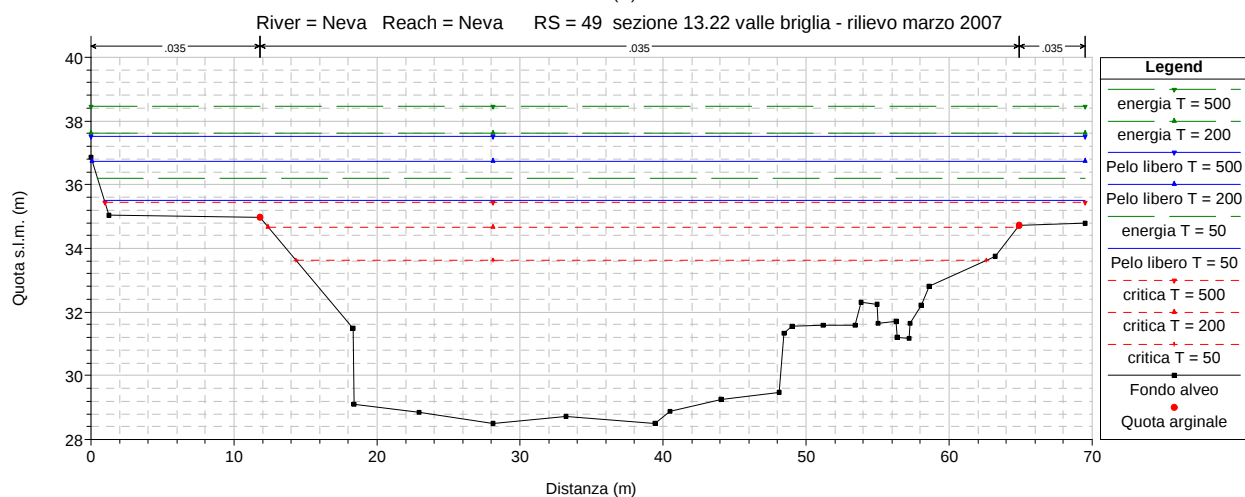
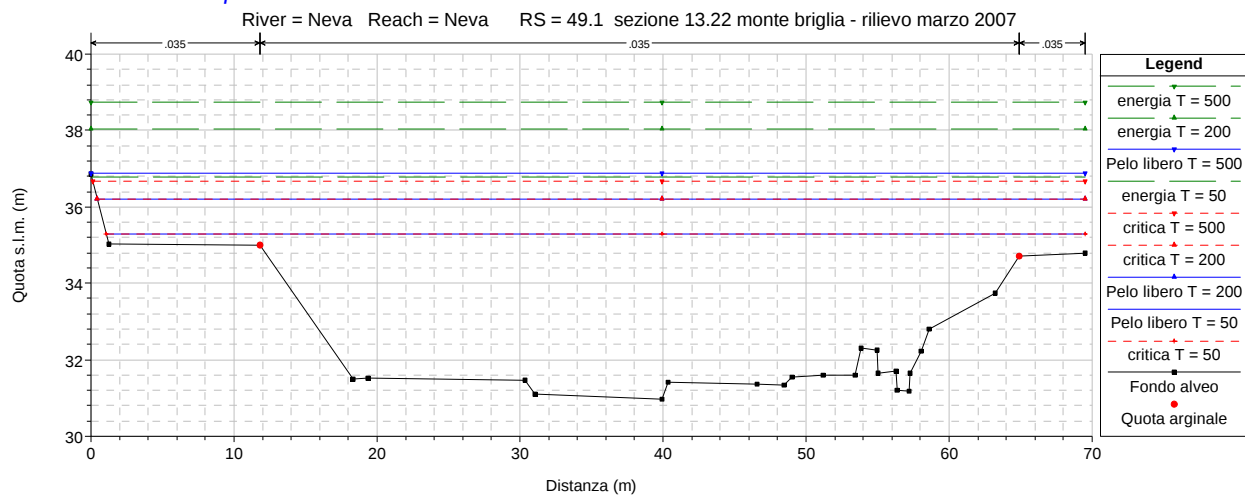
# Torrente Neva – verifica idraulica – sezioni trasversali



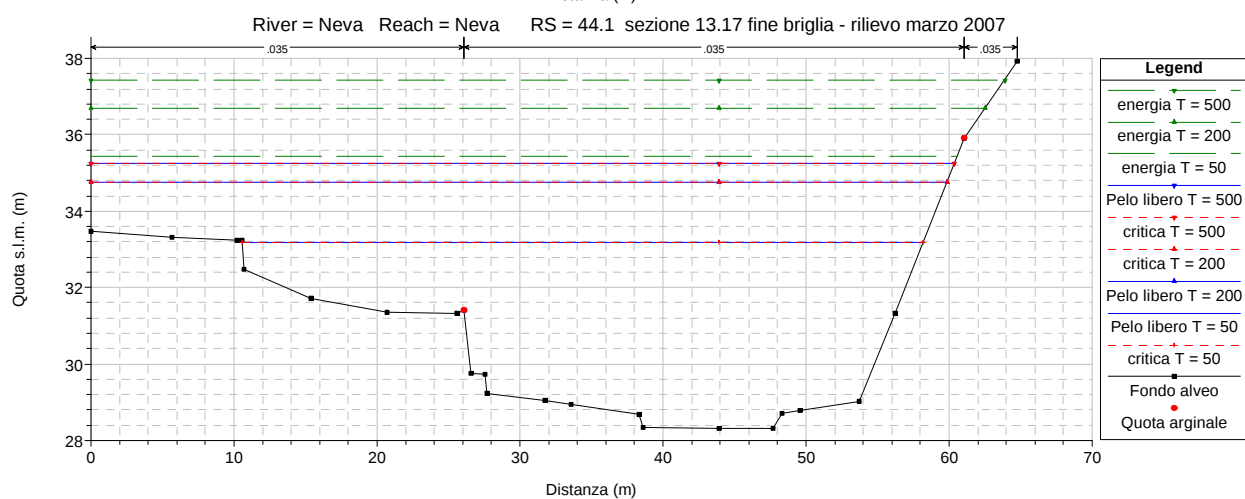
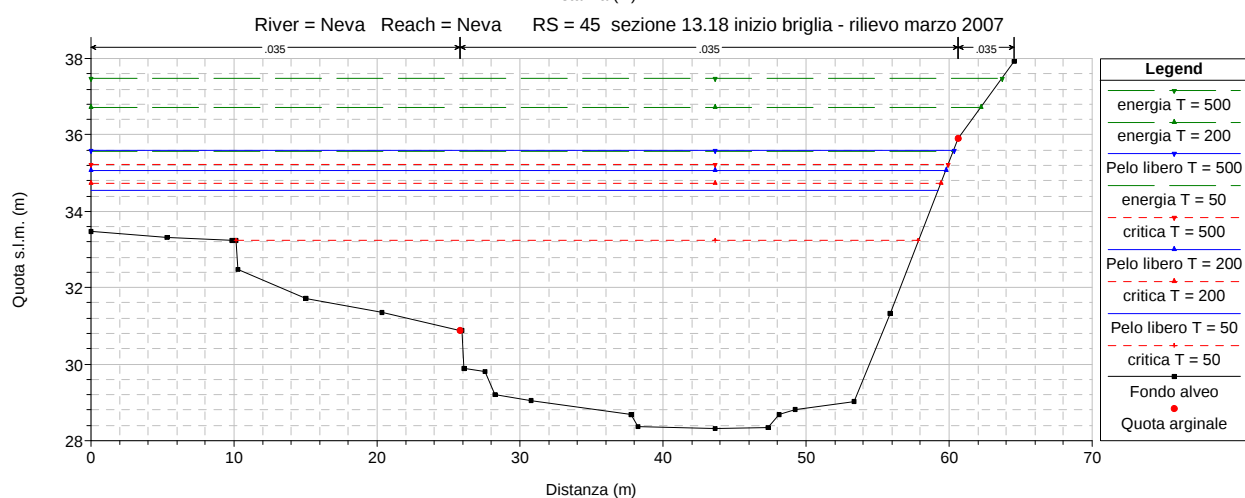
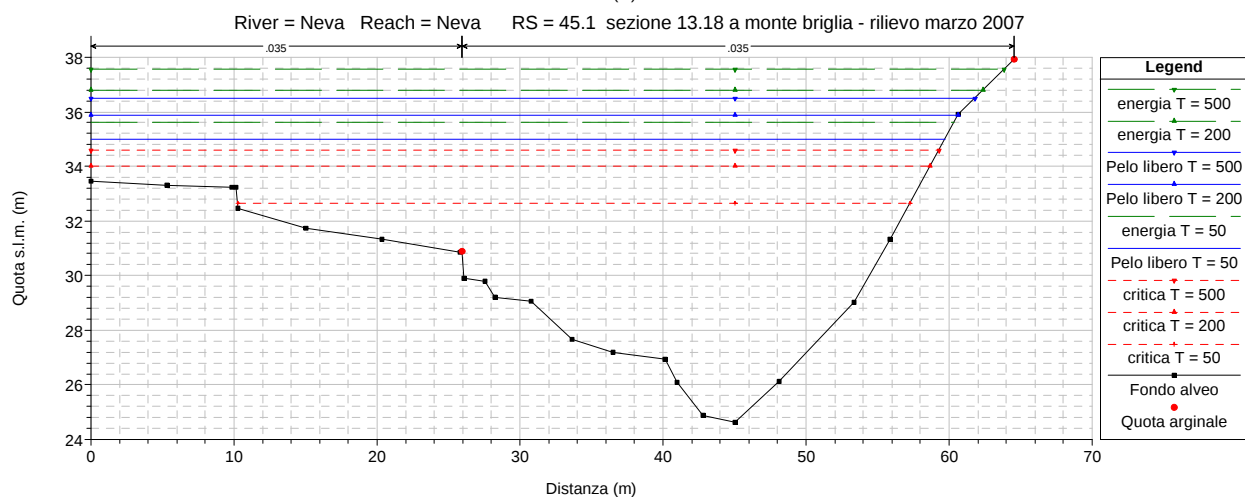
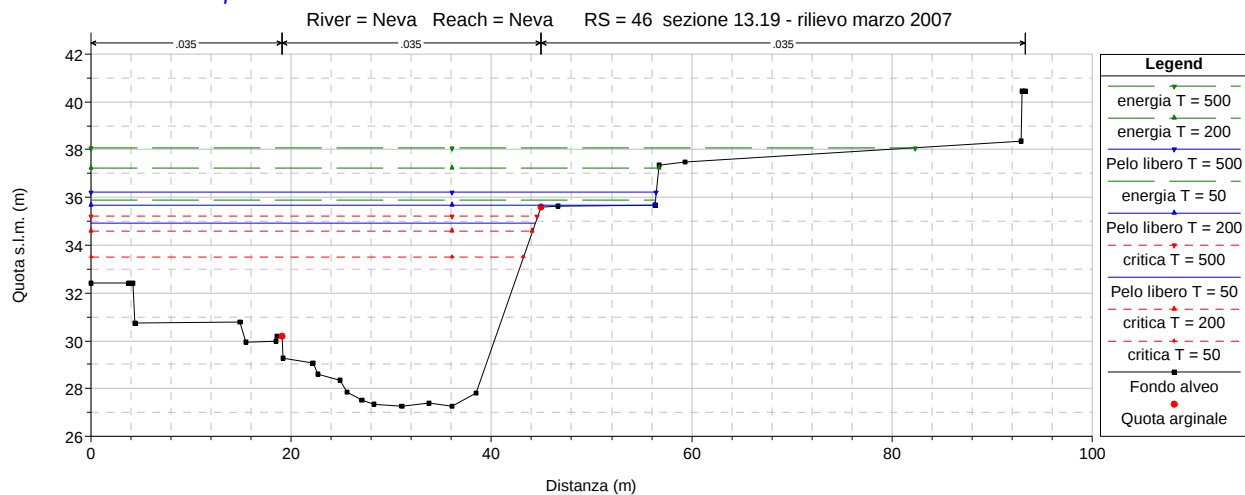
# Torrente Neva – verifica idraulica – sezioni trasversali



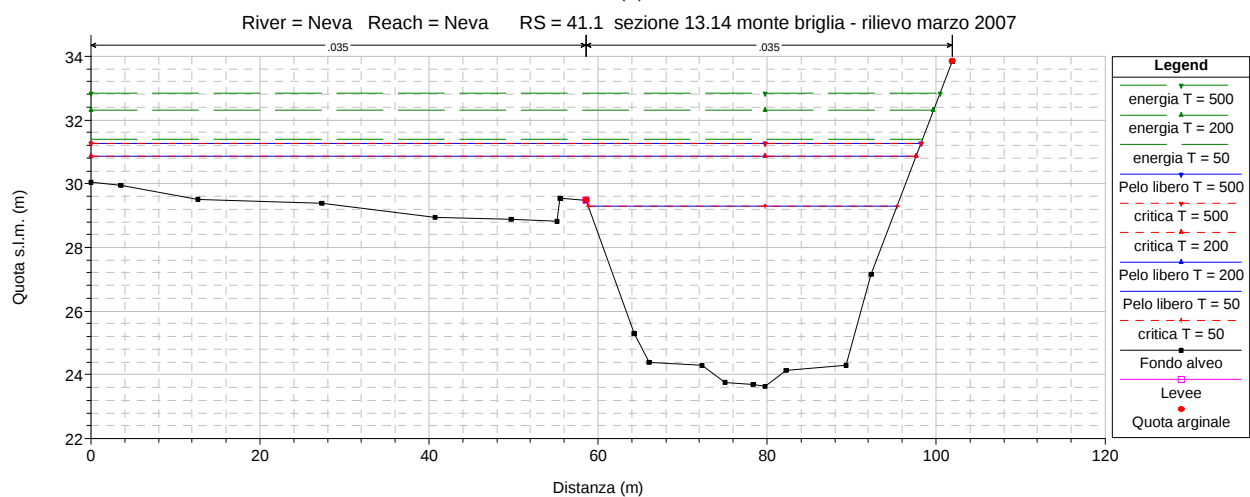
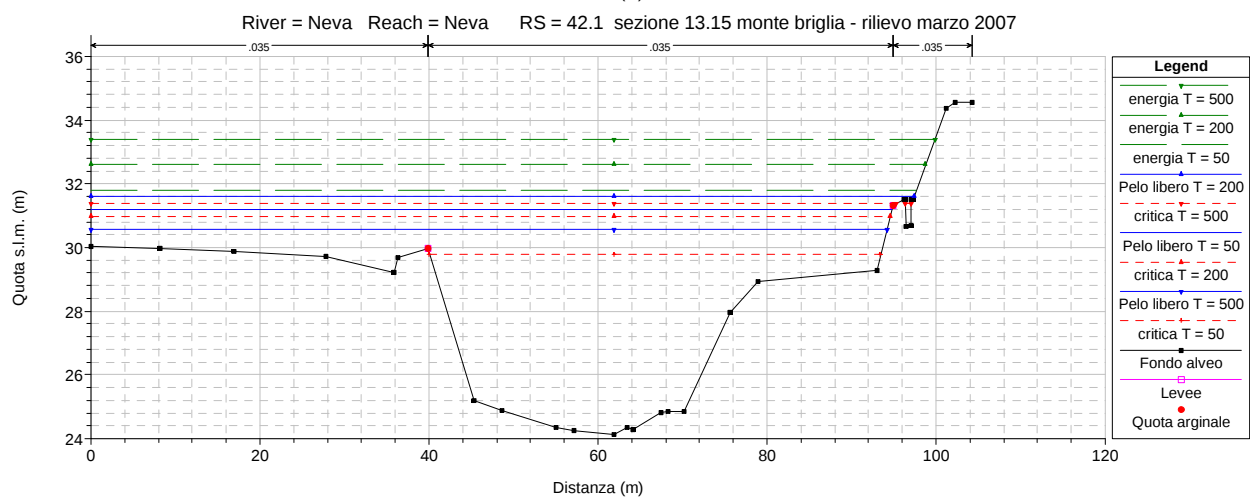
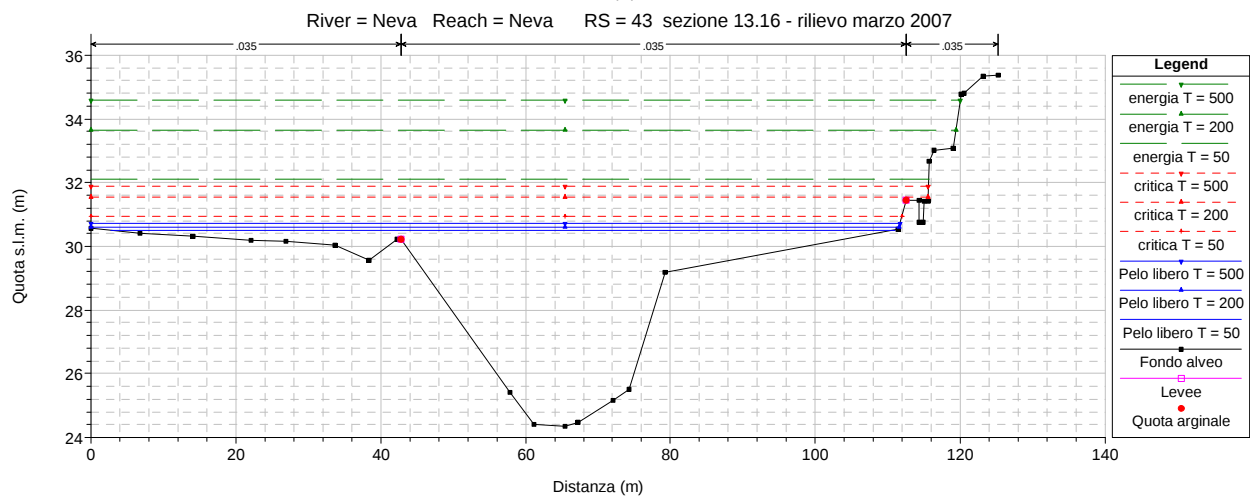
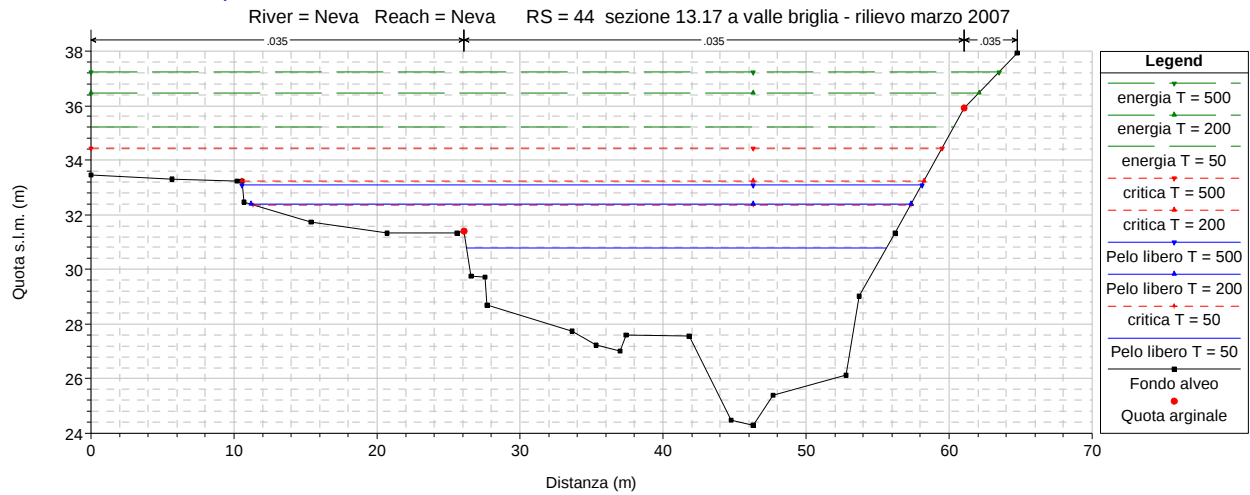
# Torrente Neva – verifica idraulica – sezioni trasversali



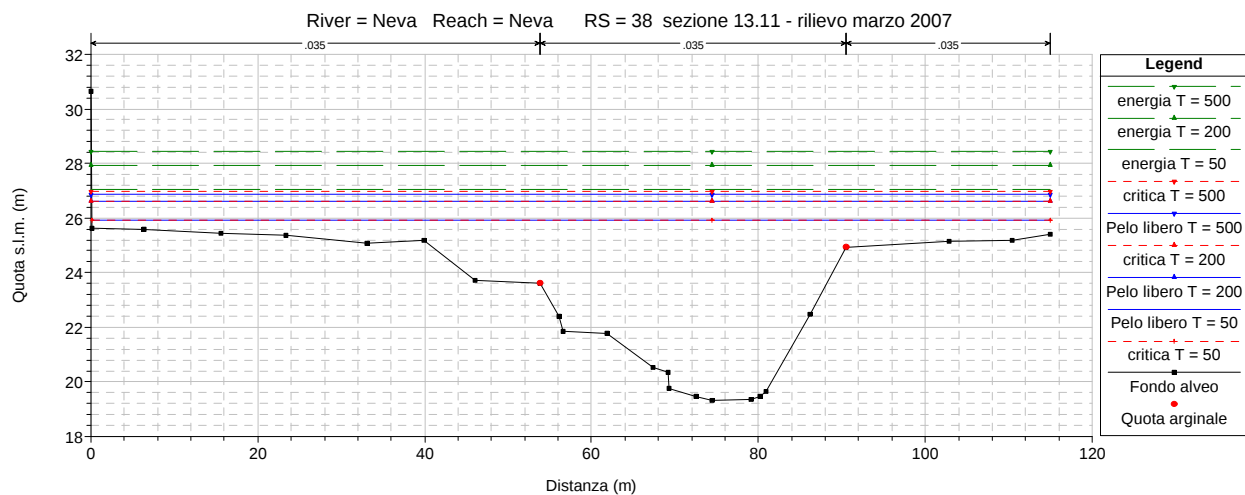
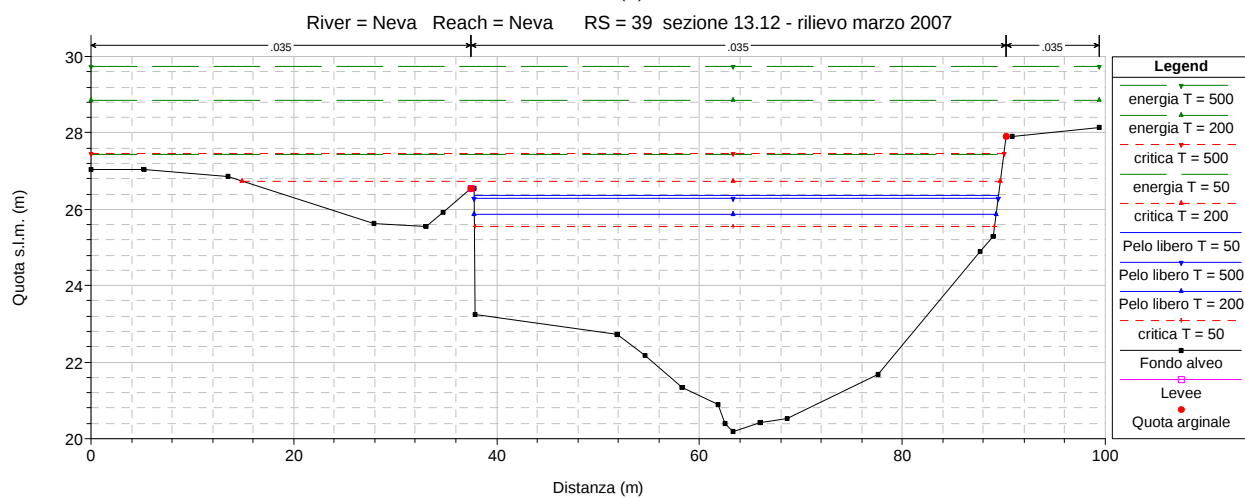
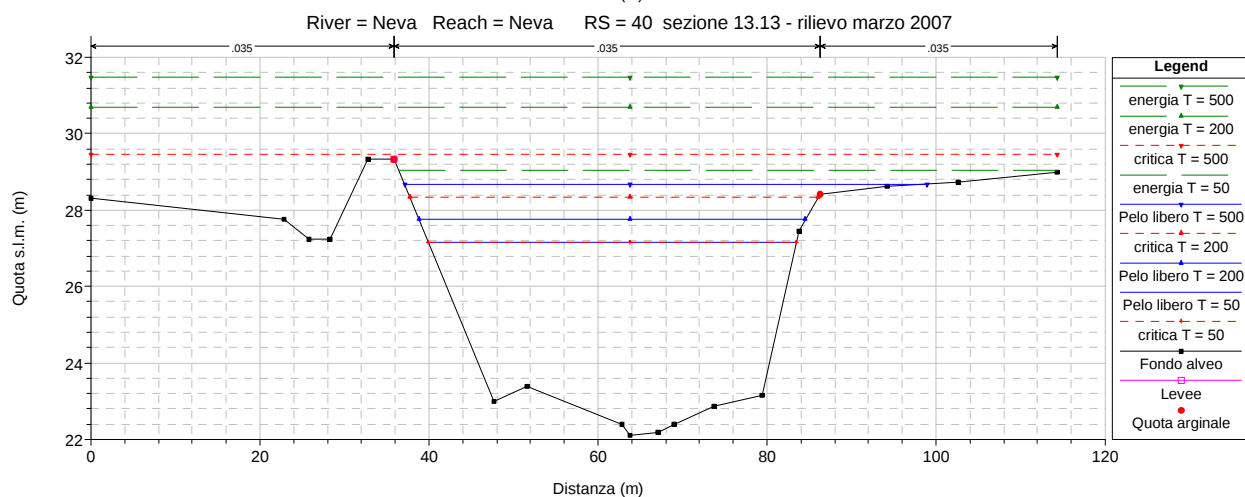
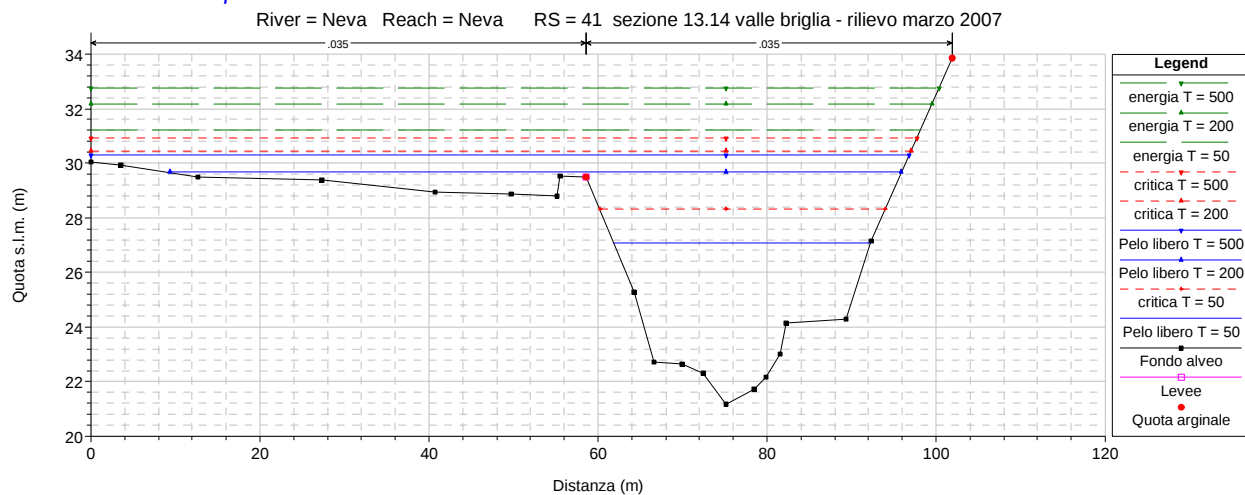
# Torrente Neva – verifica idraulica – sezioni trasversali



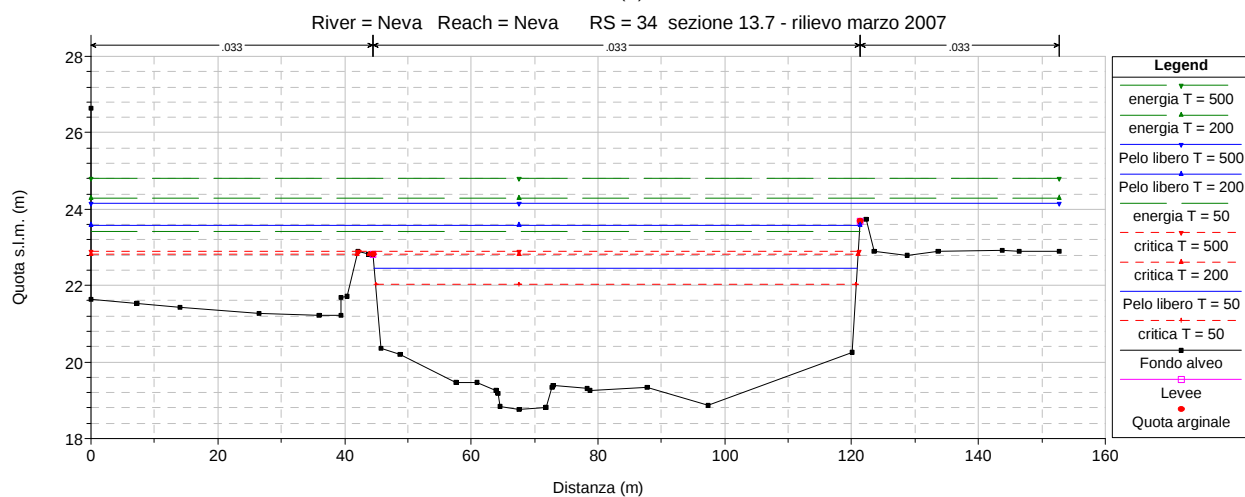
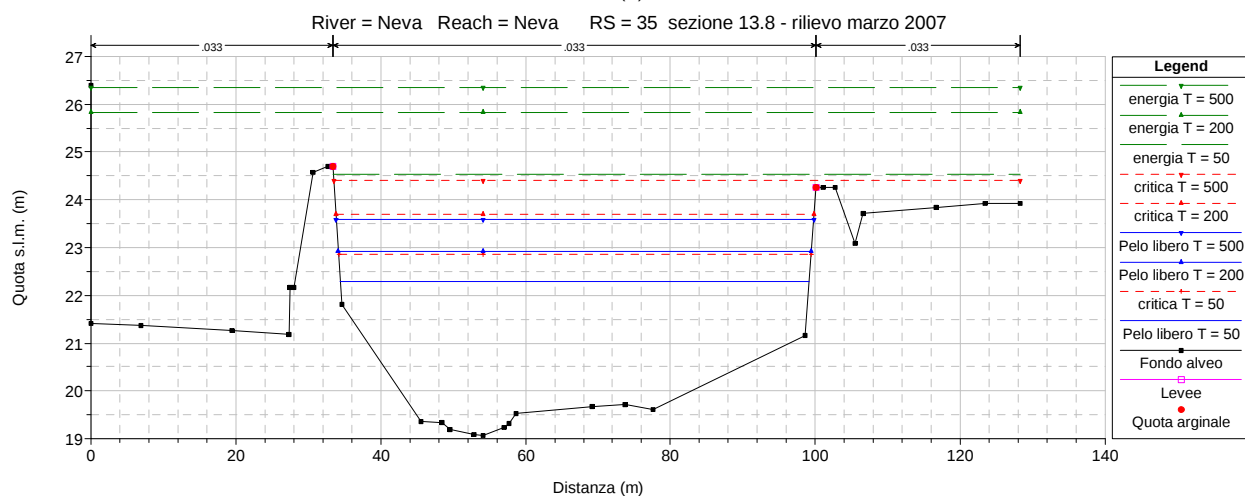
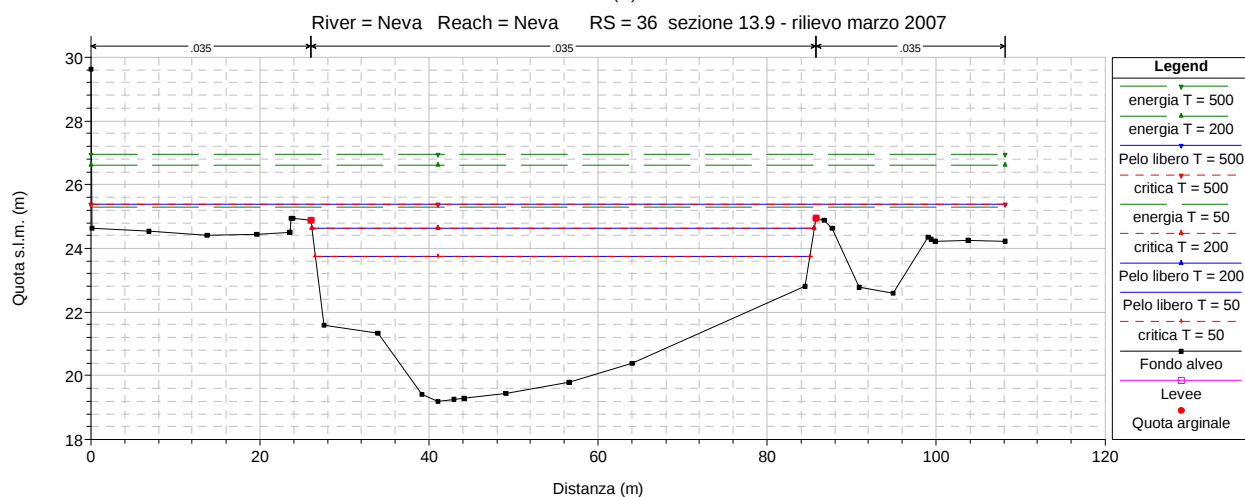
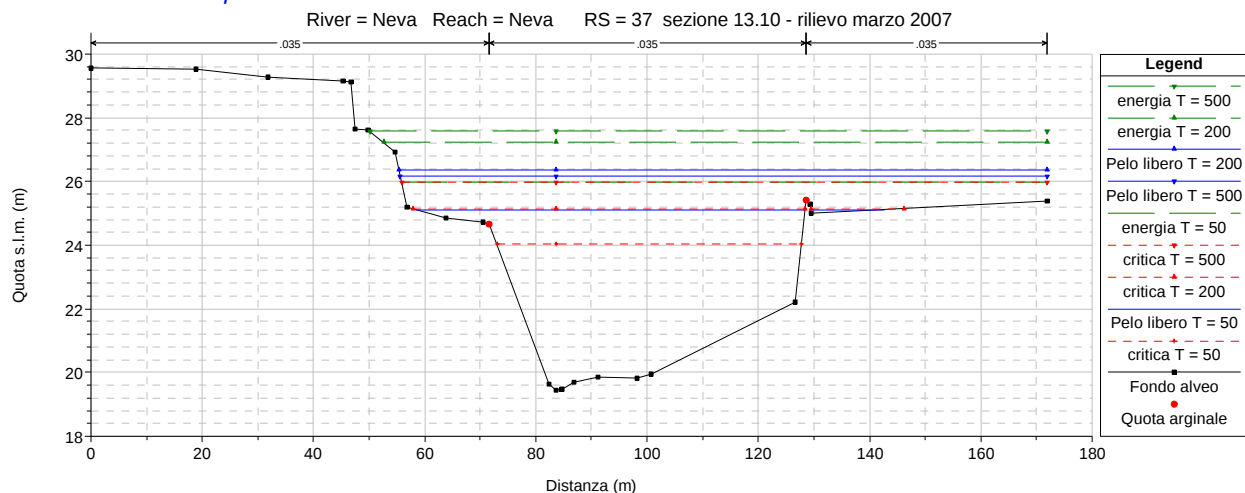
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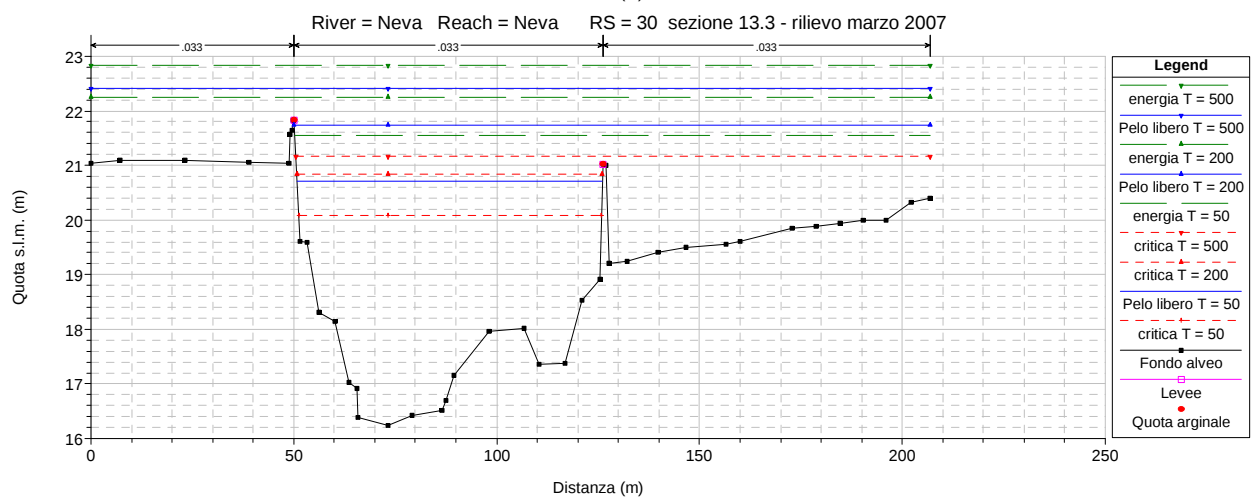
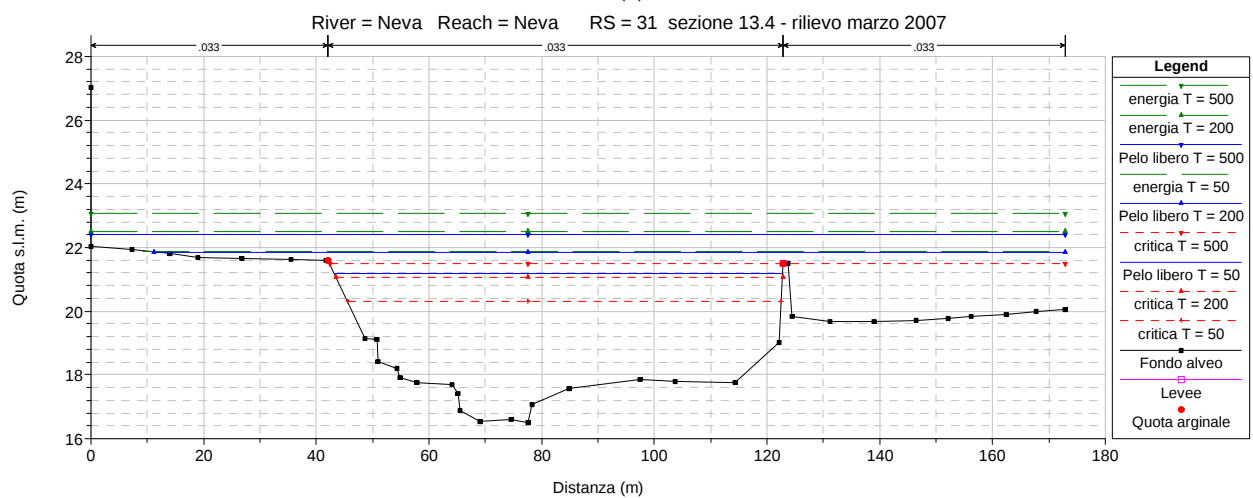
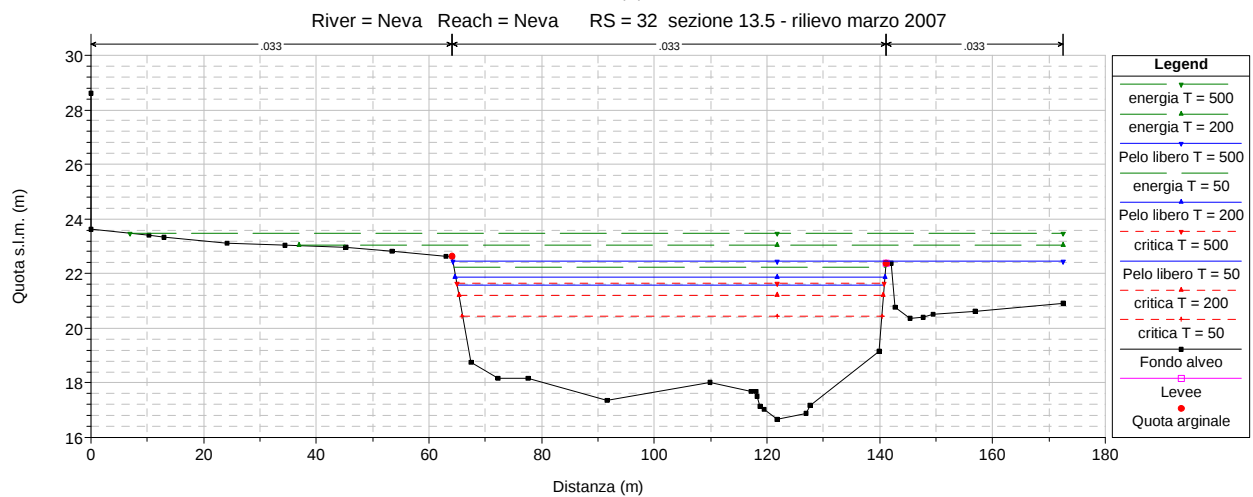
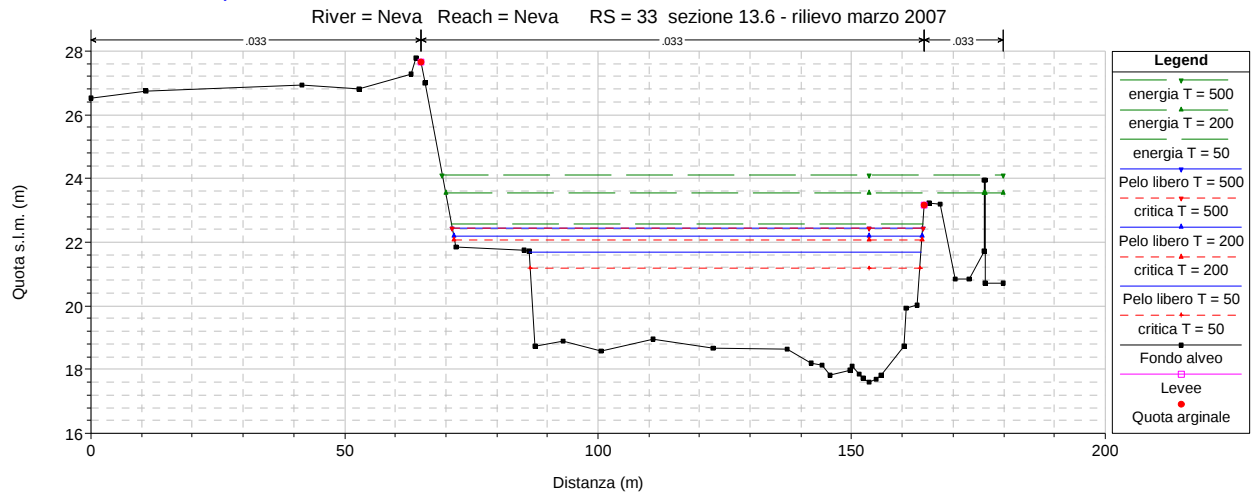
# Torrente Neva – verifica idraulica – sezioni trasversali



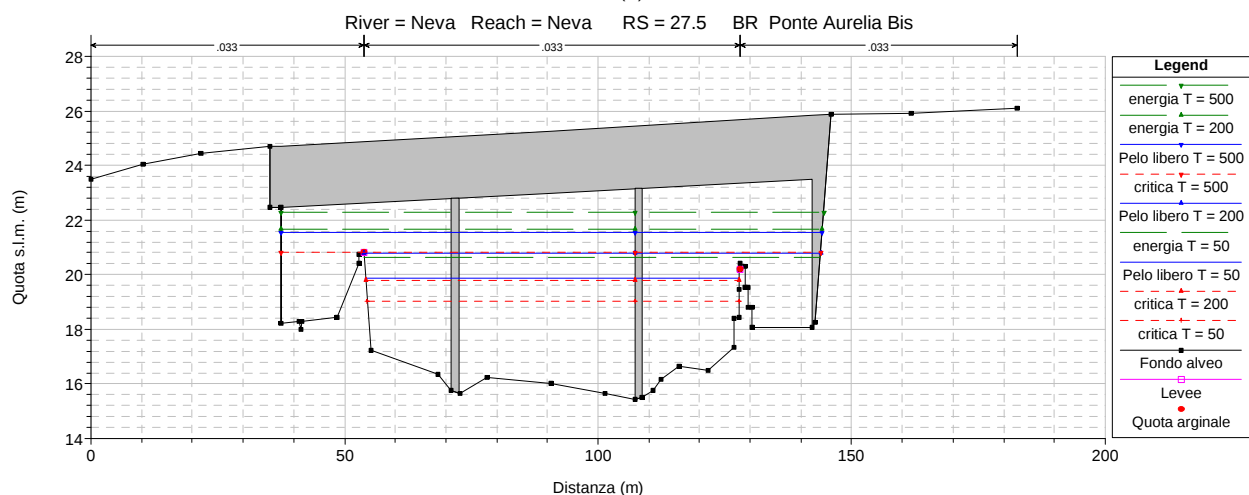
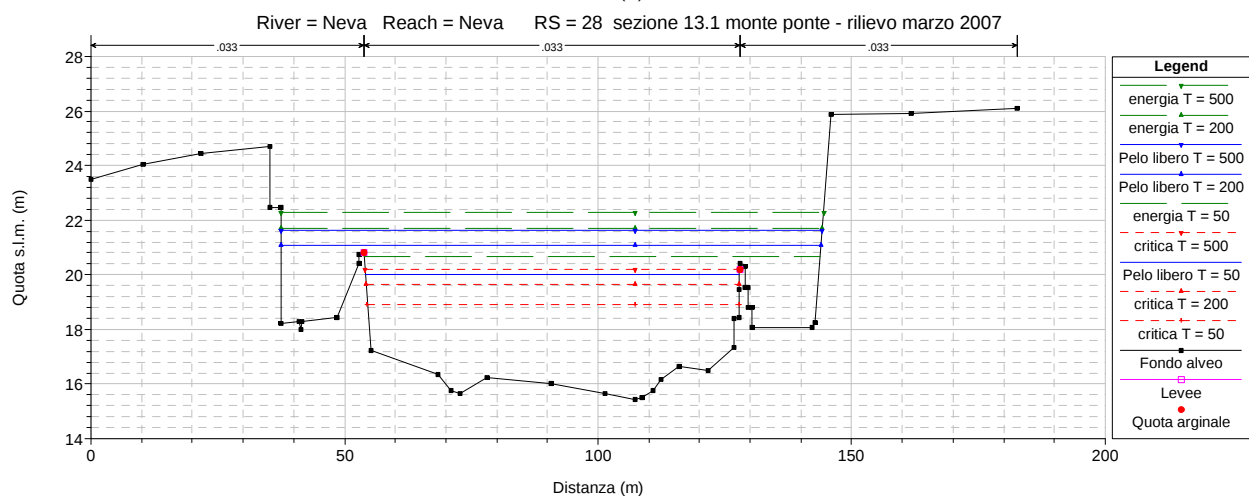
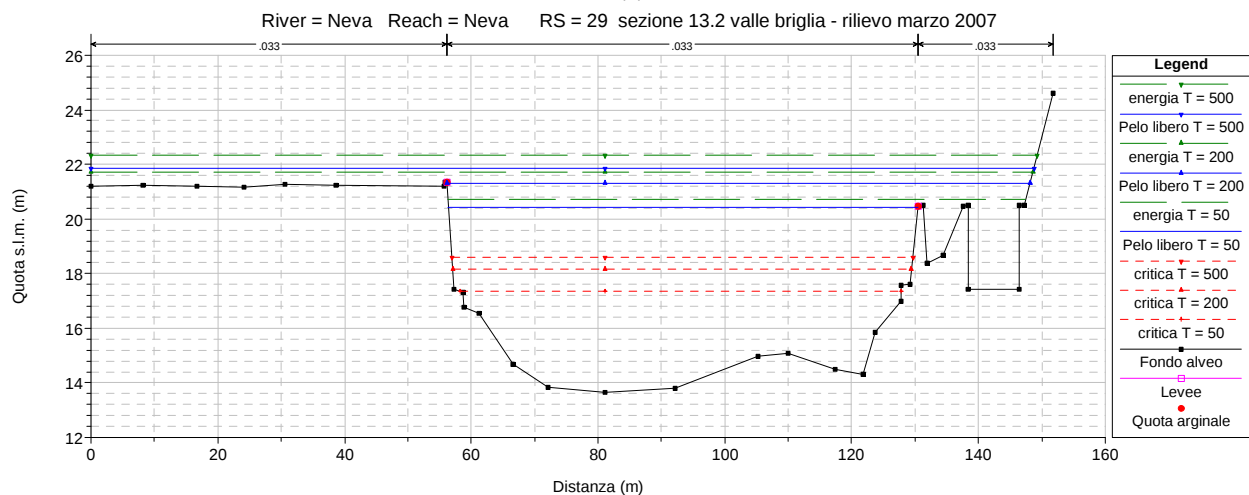
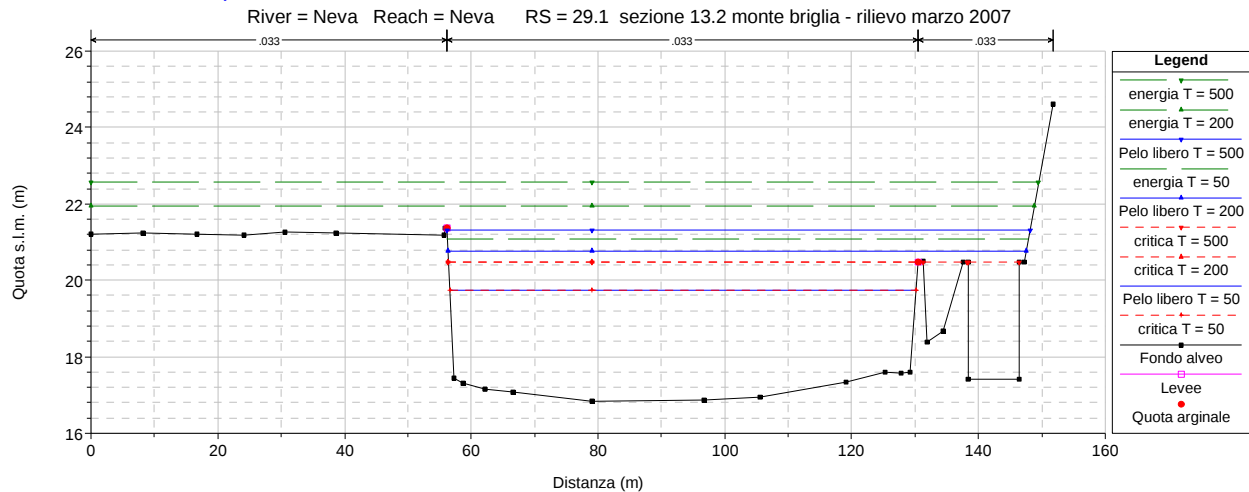
# Torrente Neva – verifica idraulica – sezioni trasversali



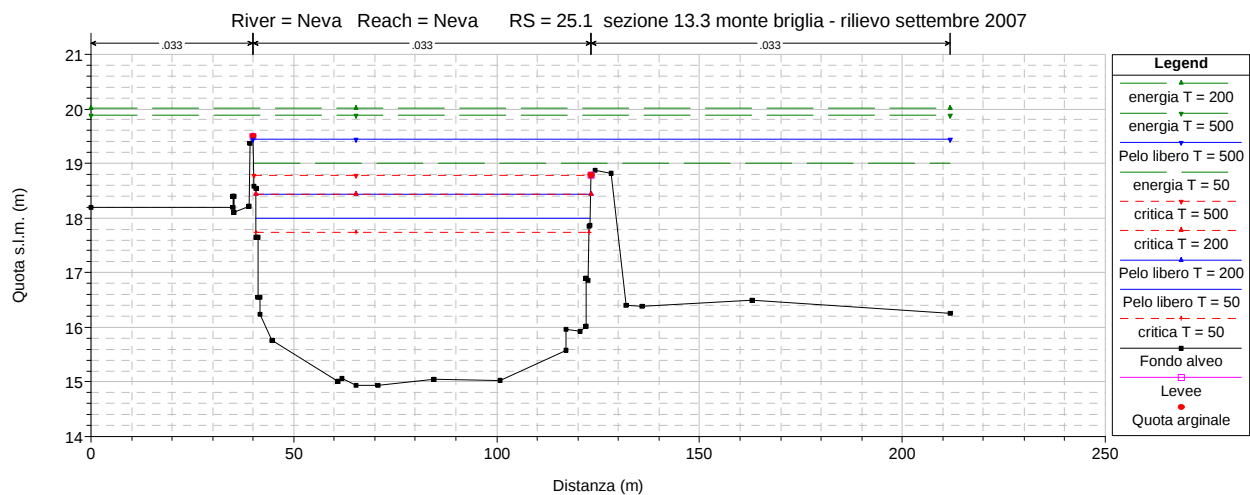
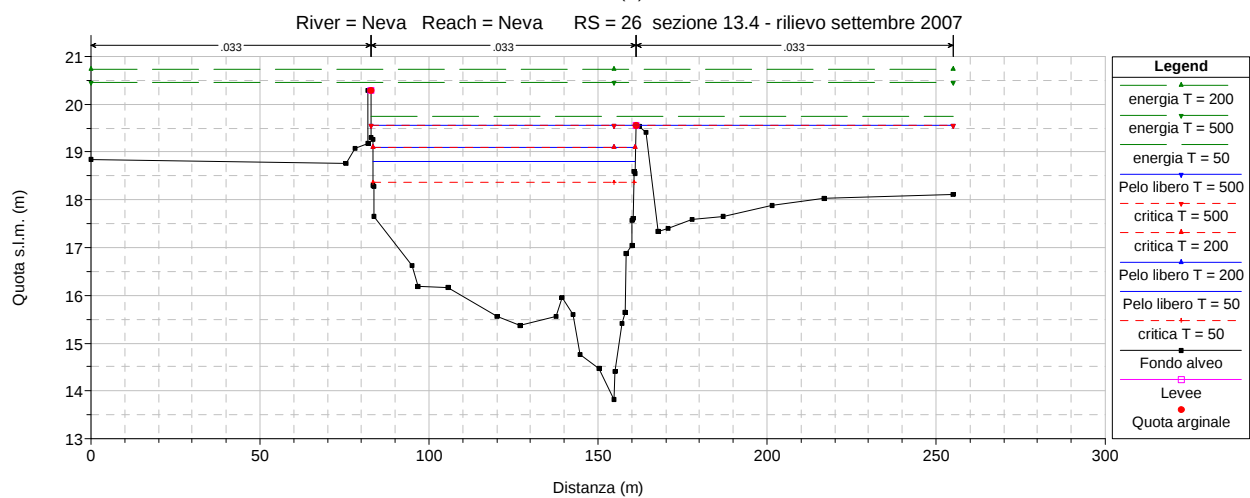
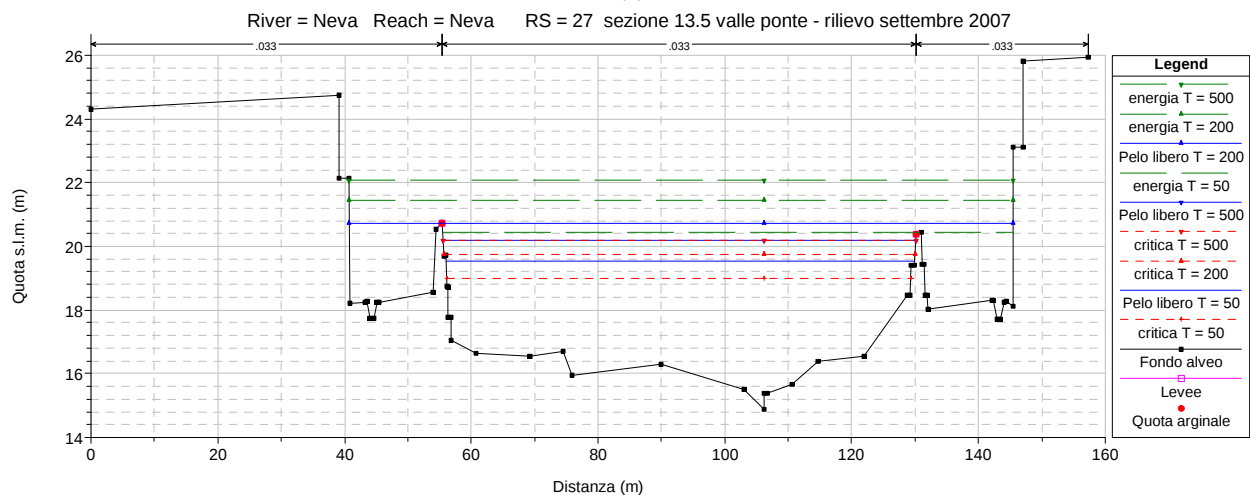
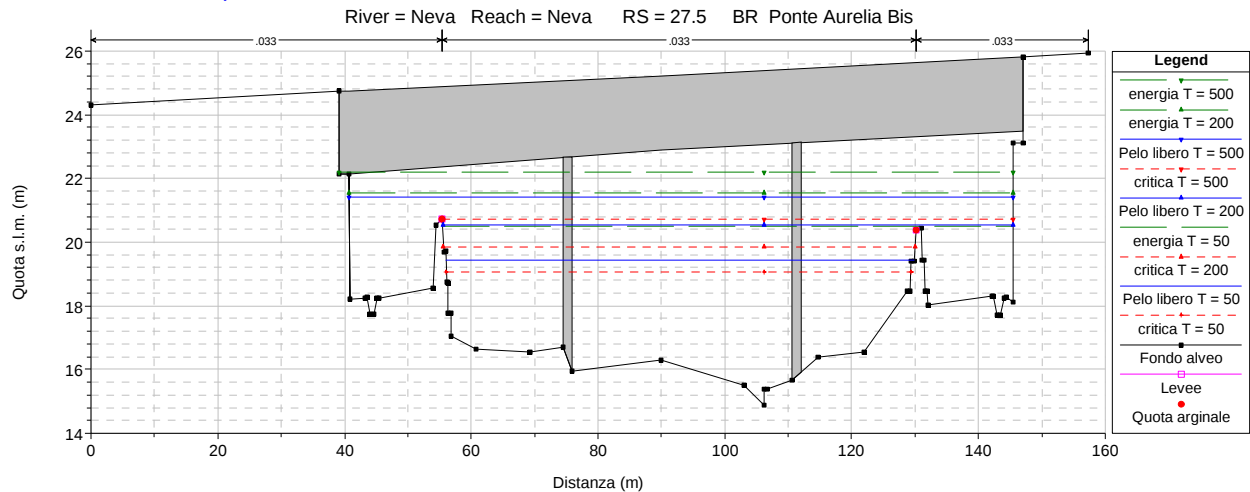
# Torrente Neva – verifica idraulica – sezioni trasversali



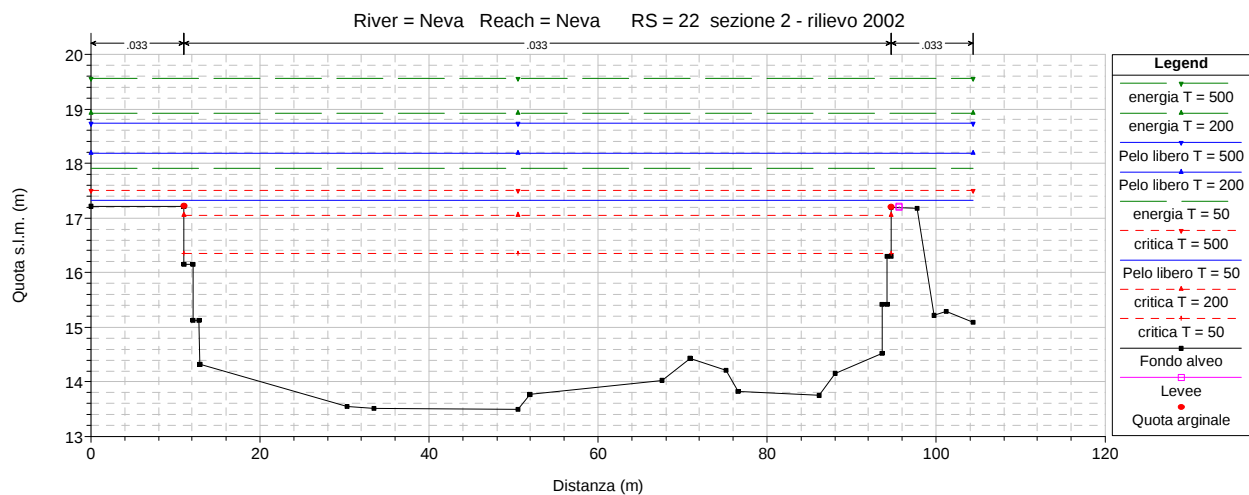
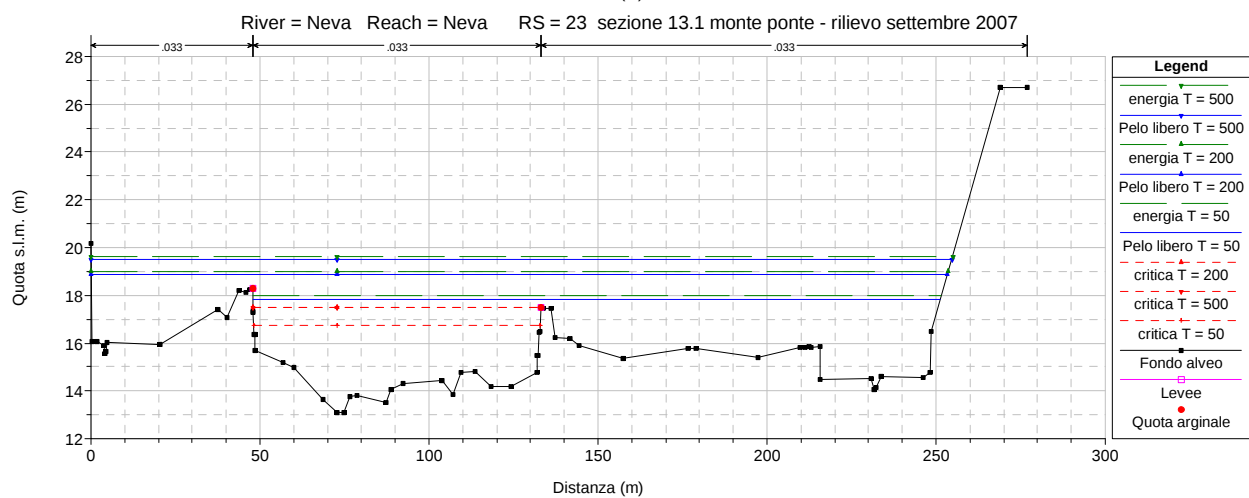
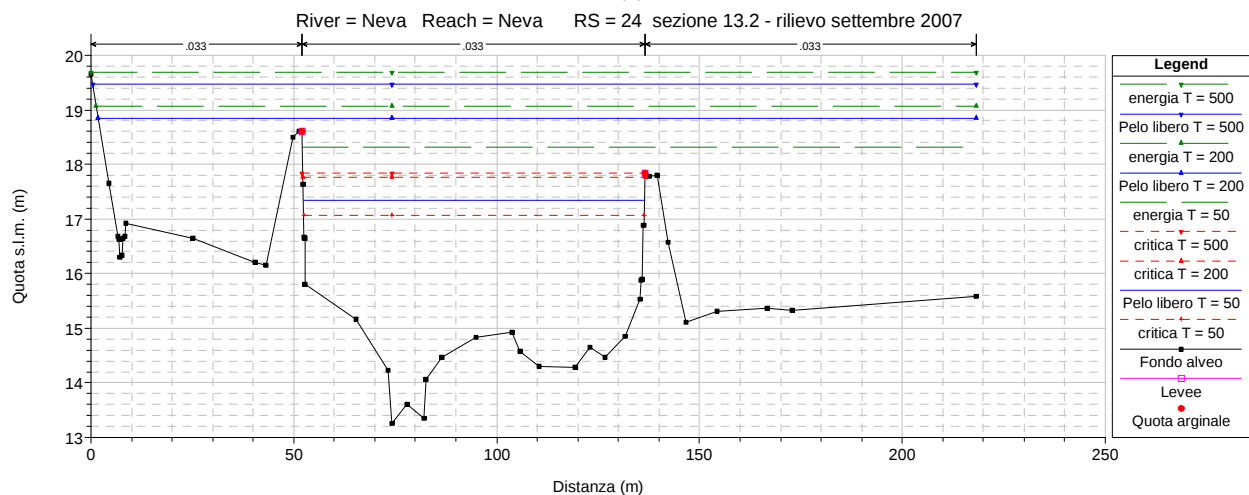
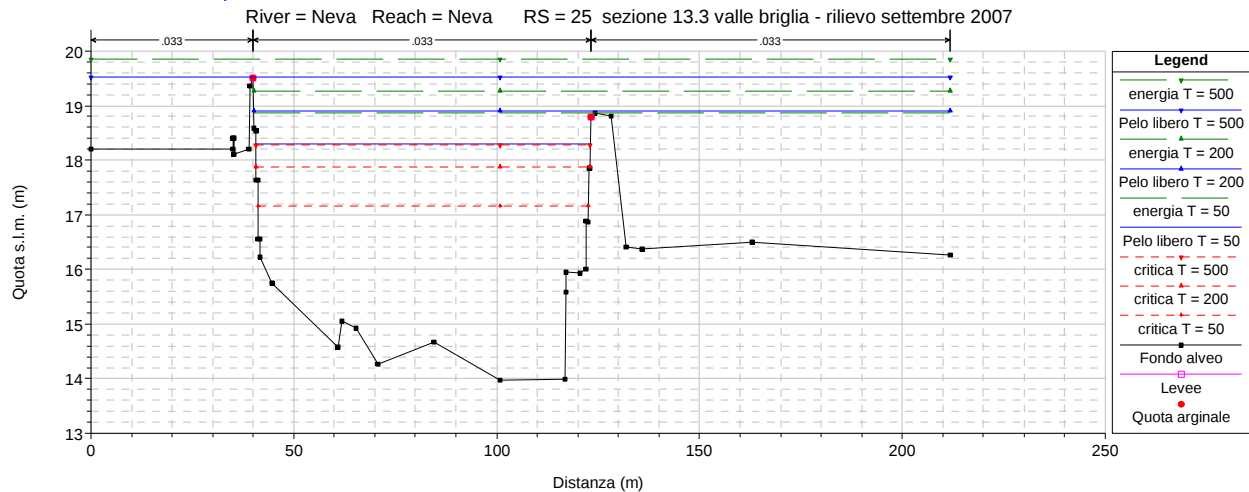
# Torrente Neva – verifica idraulica – sezioni trasversali



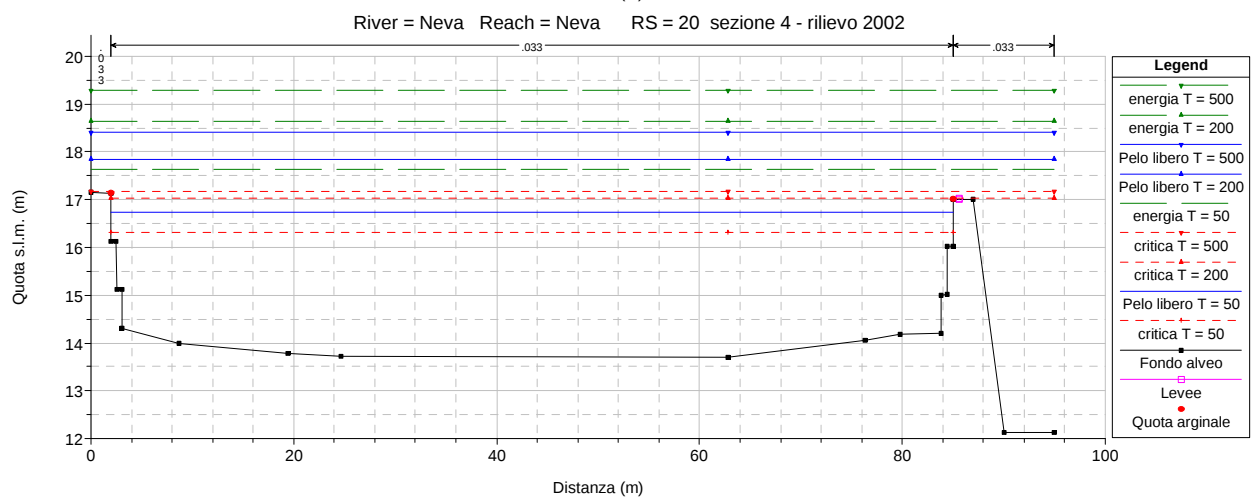
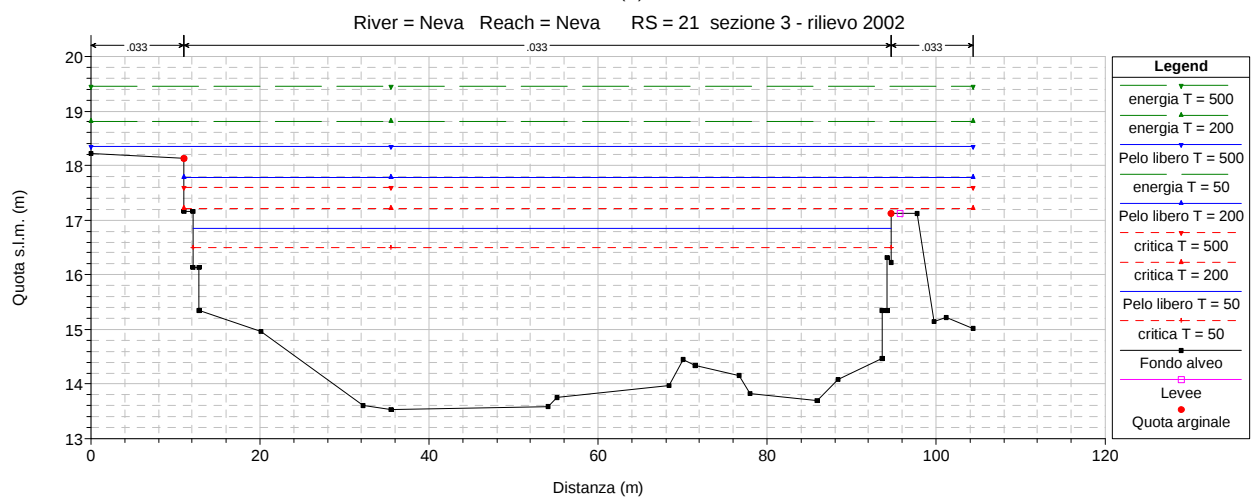
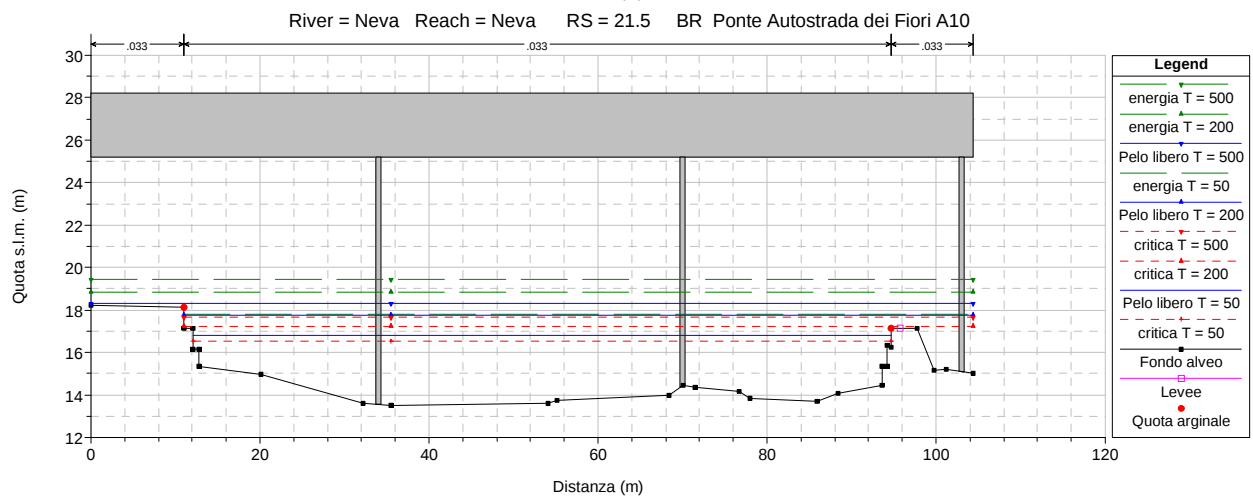
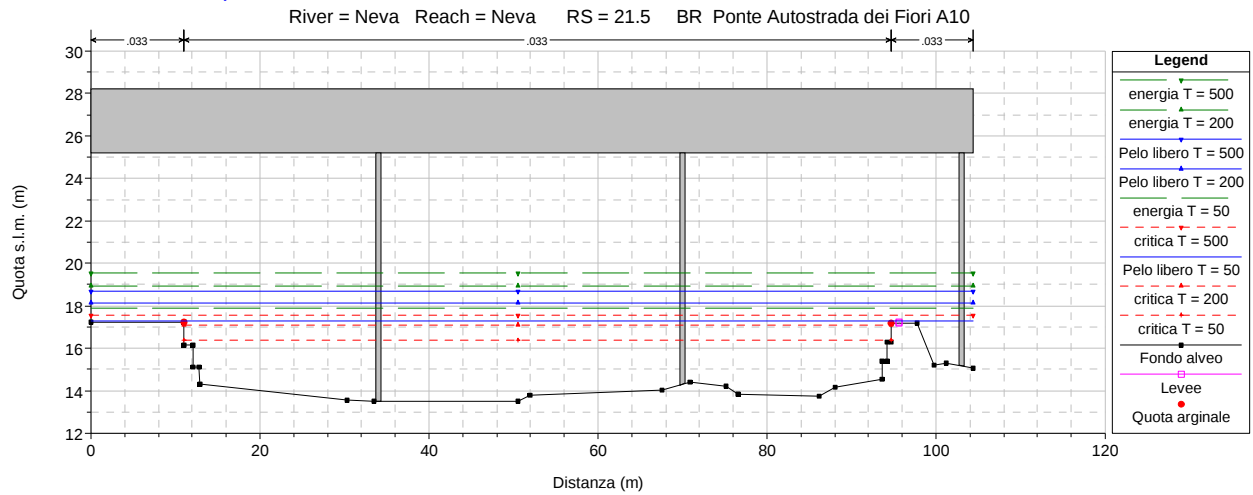
# Torrente Neva – verifica idraulica – sezioni trasversali



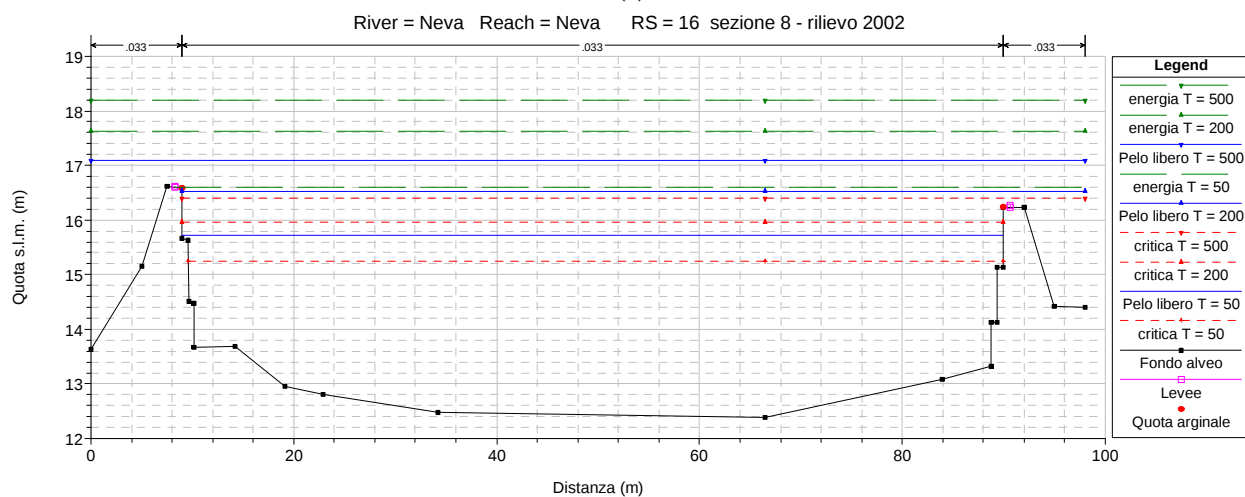
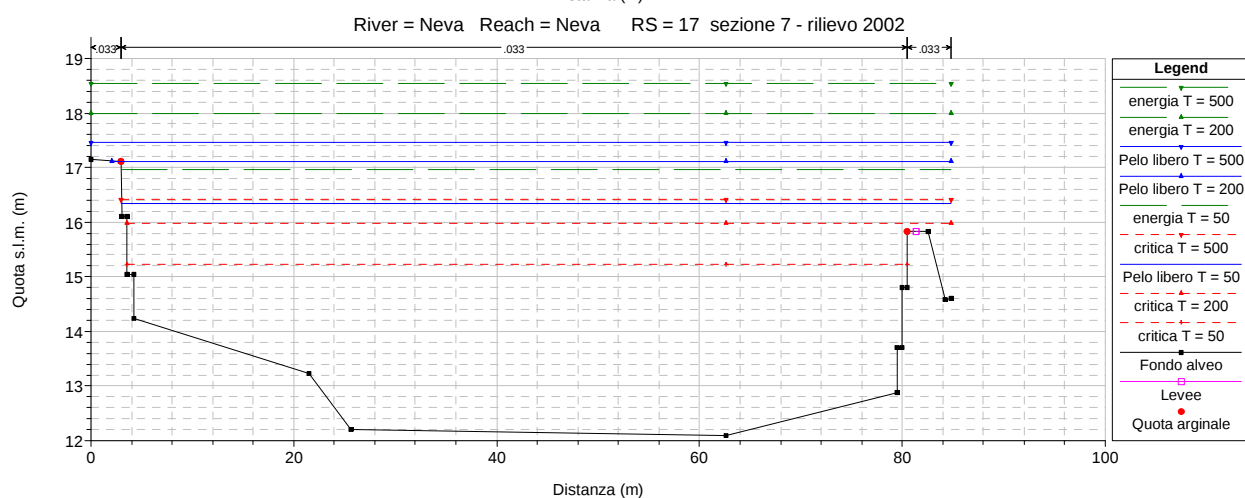
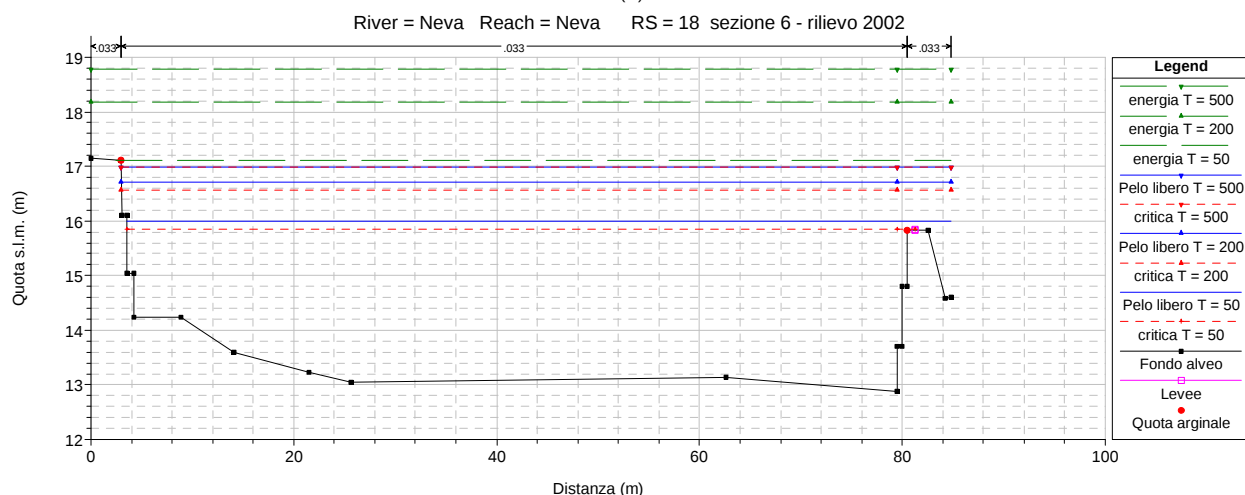
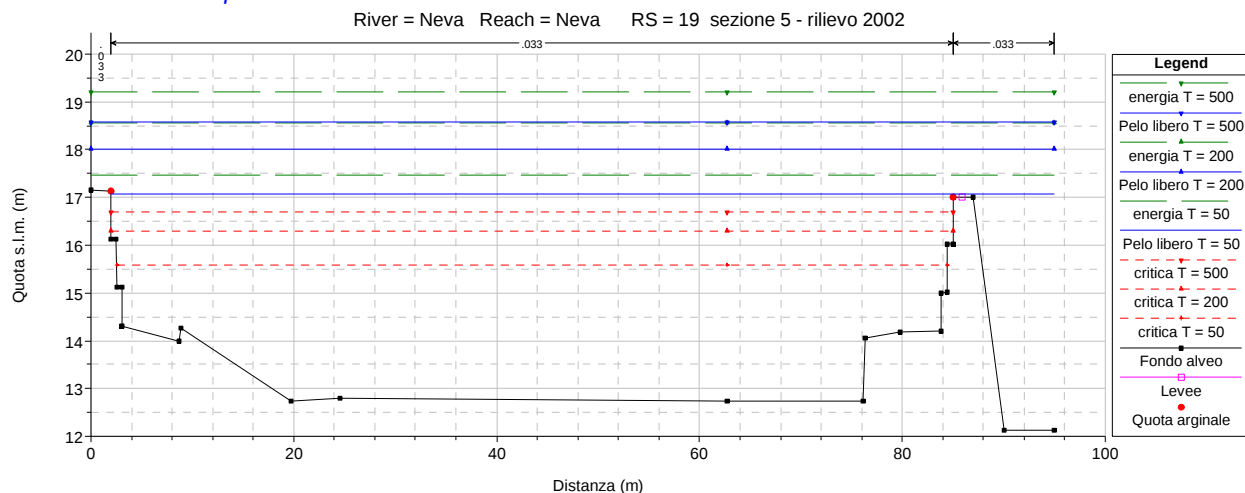
# Torrente Neva – verifica idraulica – sezioni trasversali



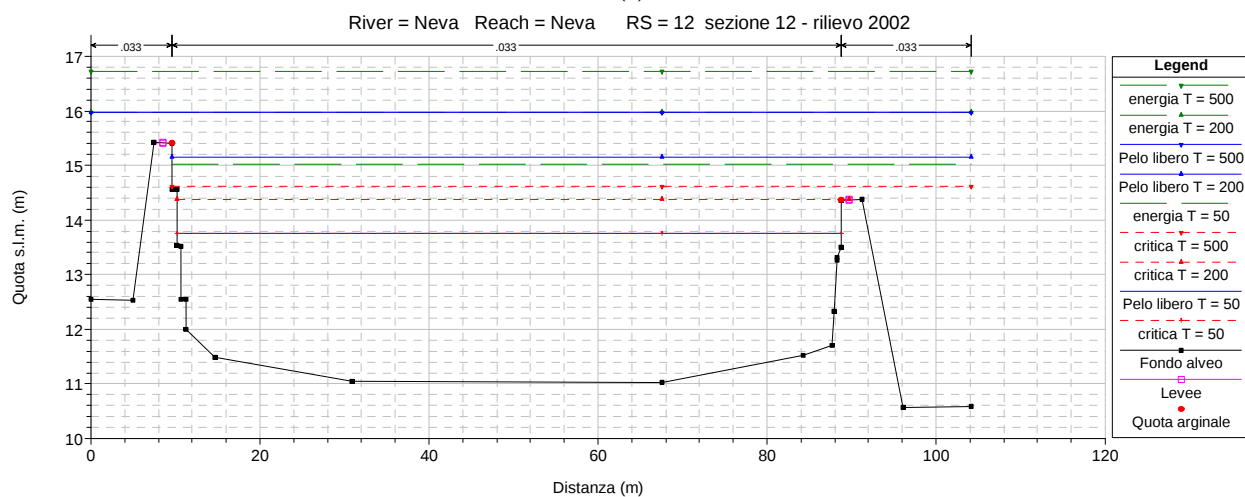
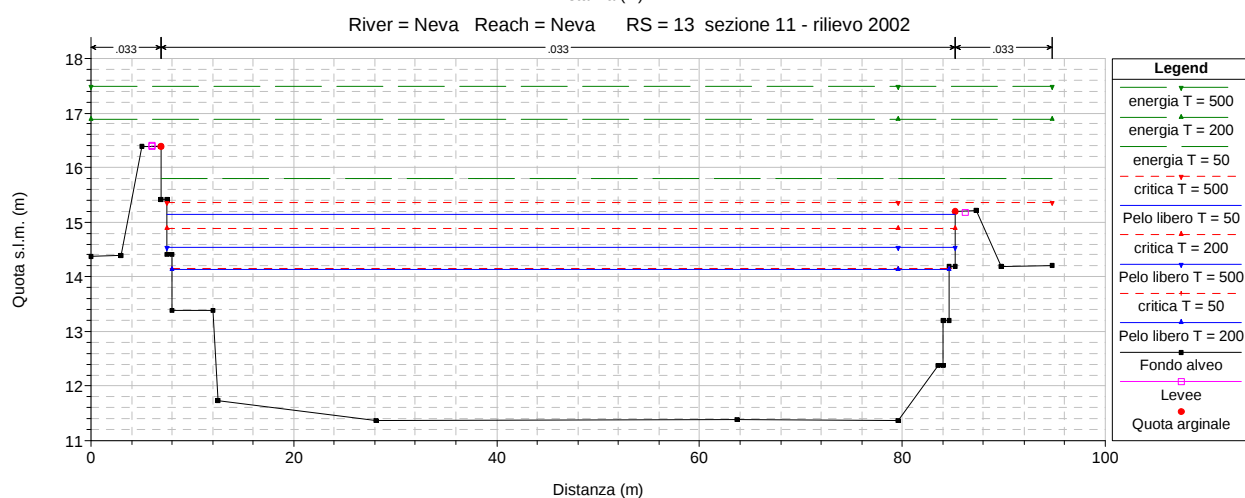
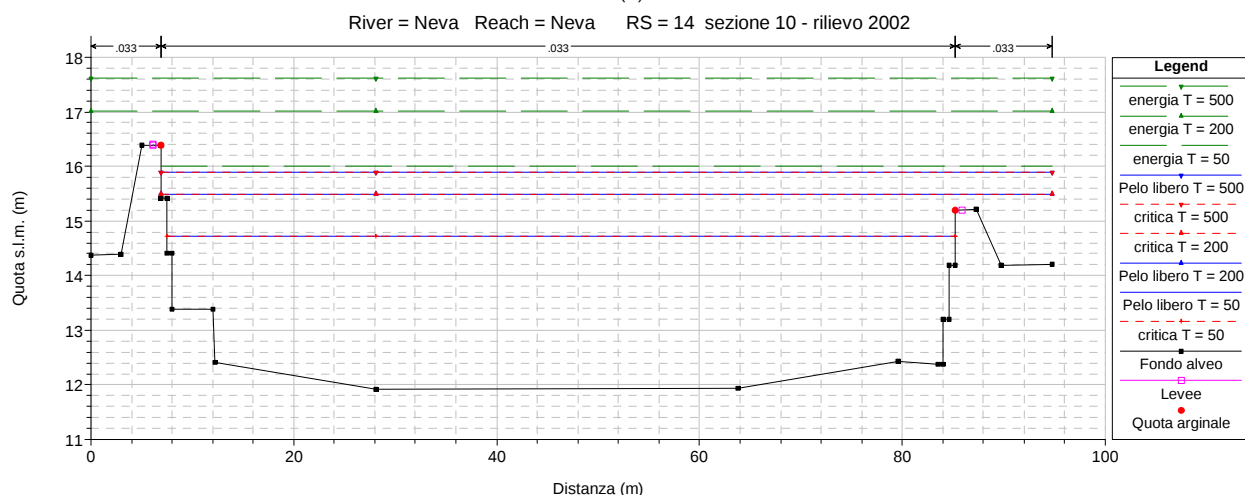
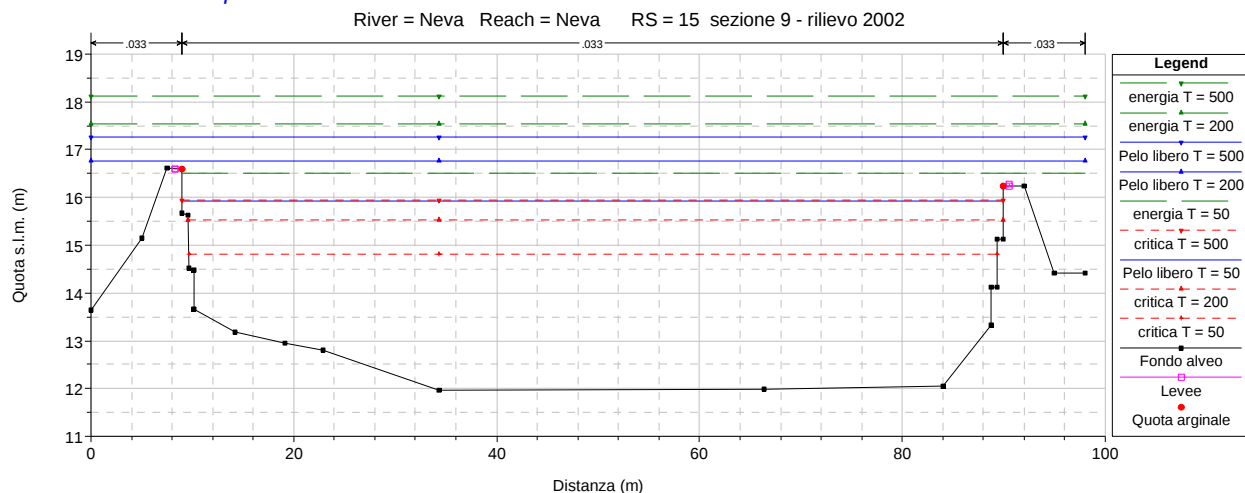
# Torrente Neva – verifica idraulica – sezioni trasversali



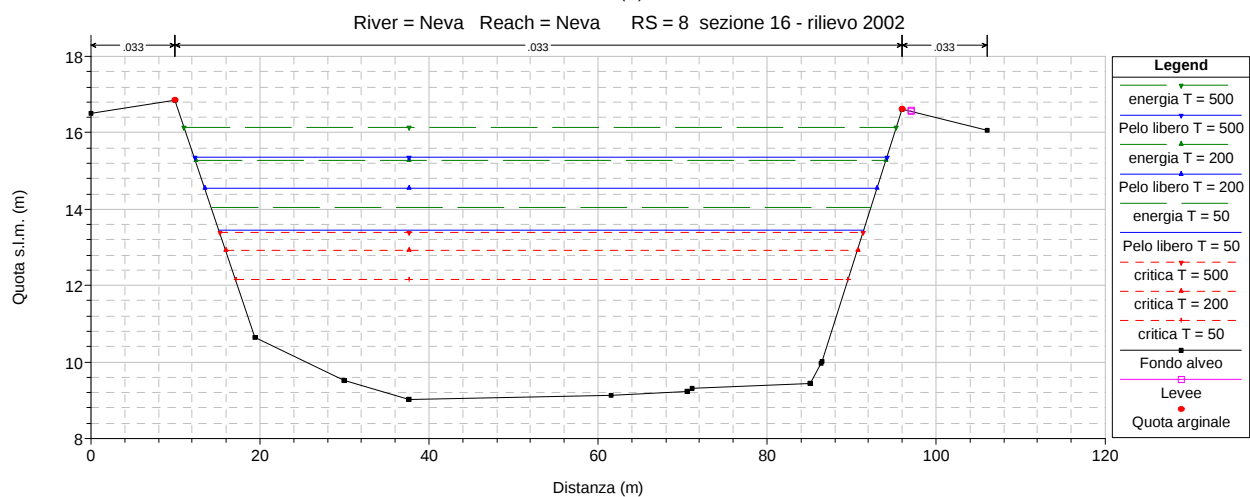
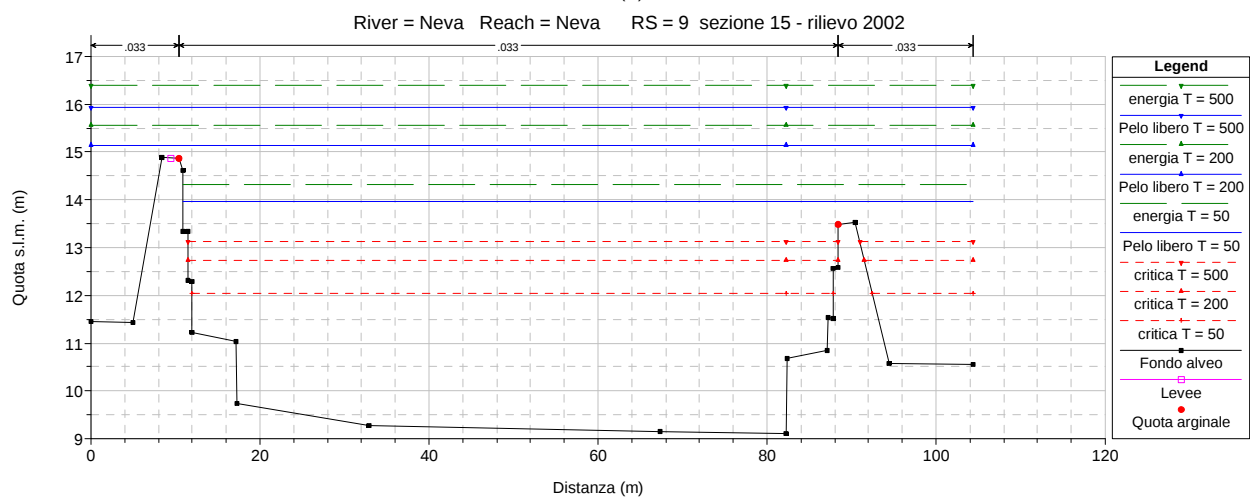
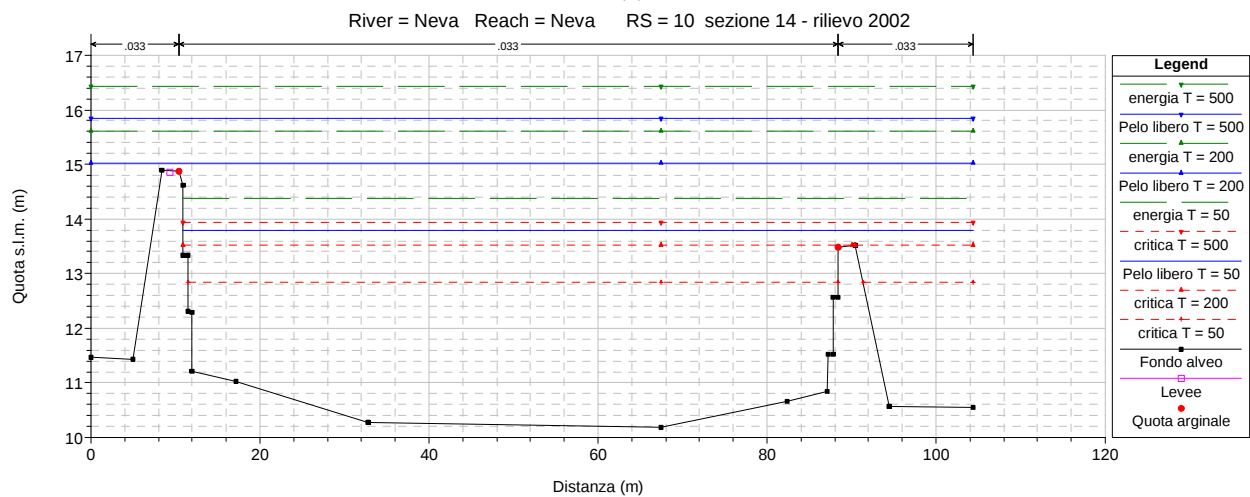
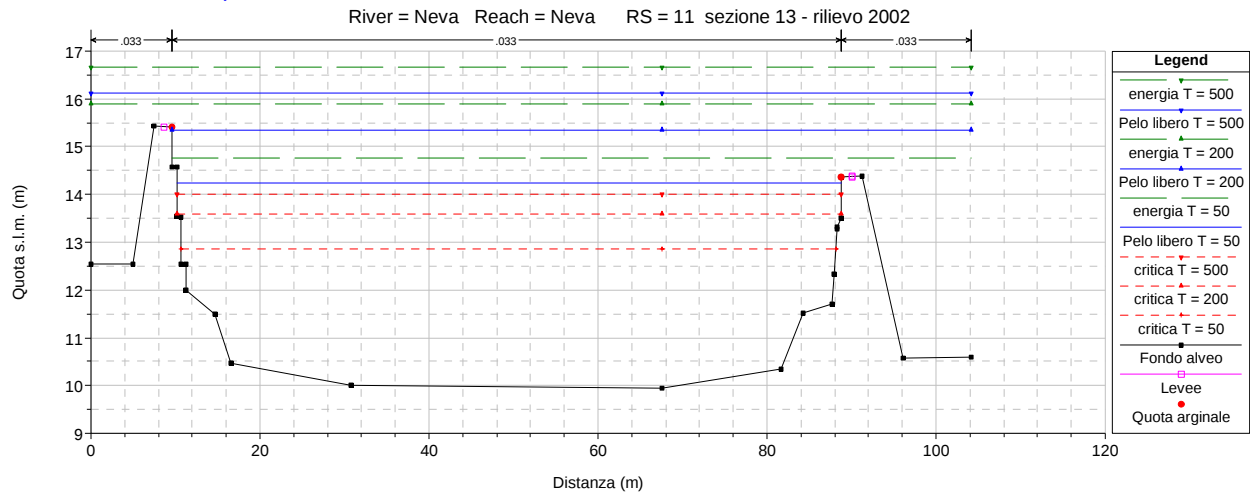
# Torrente Neva – verifica idraulica – sezioni trasversali



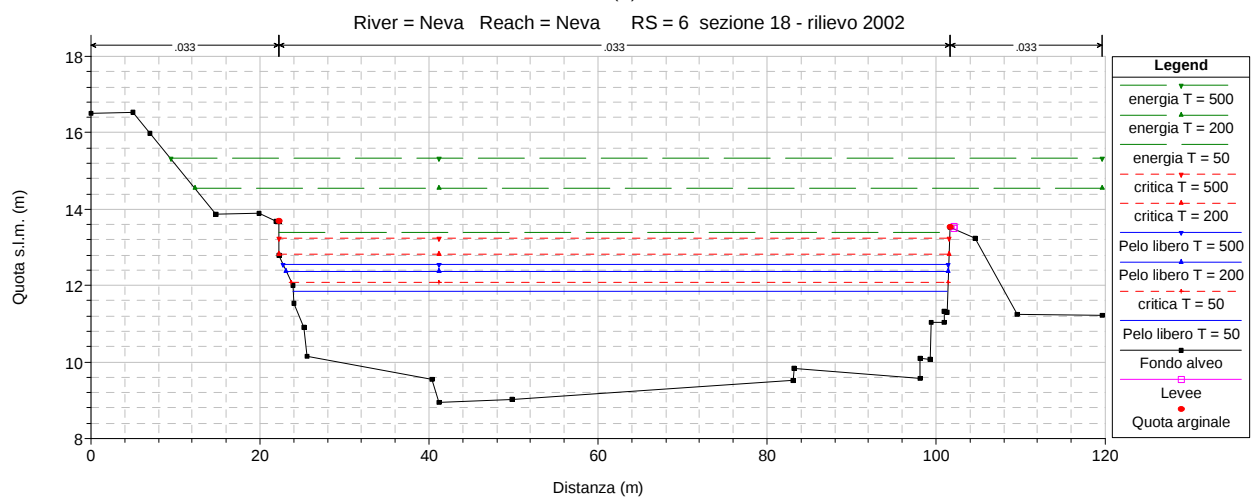
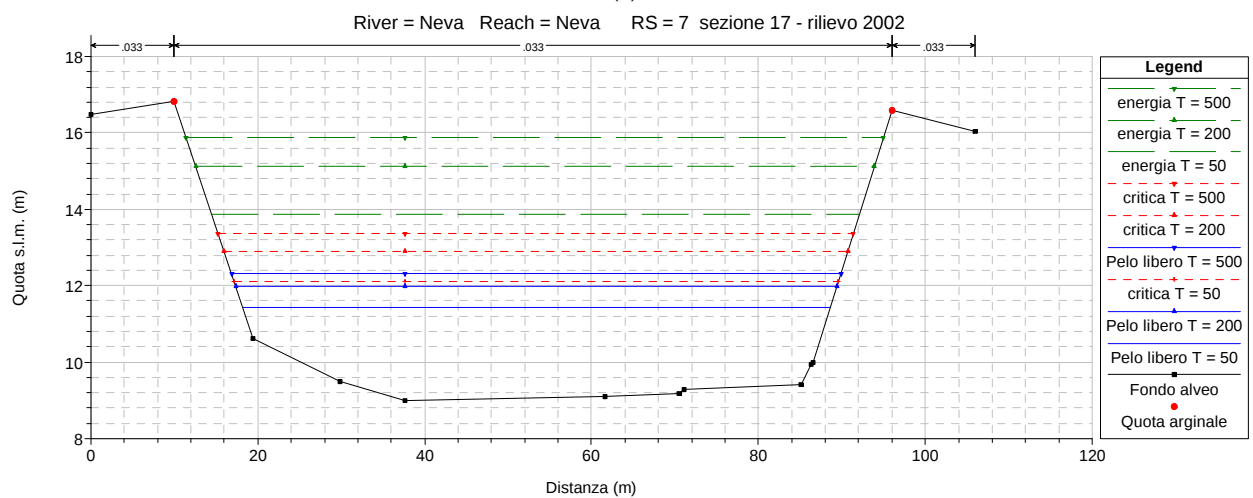
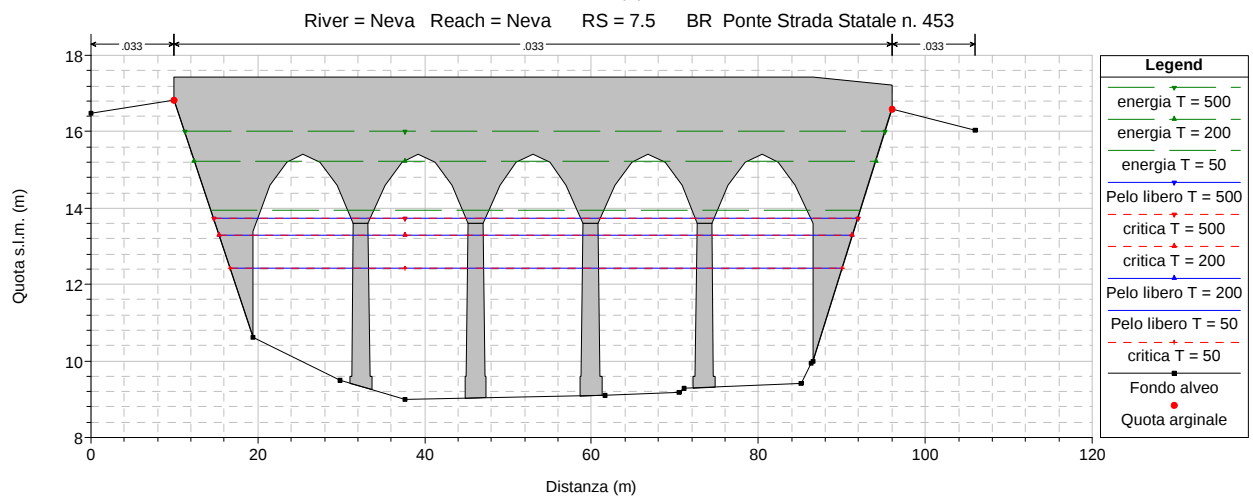
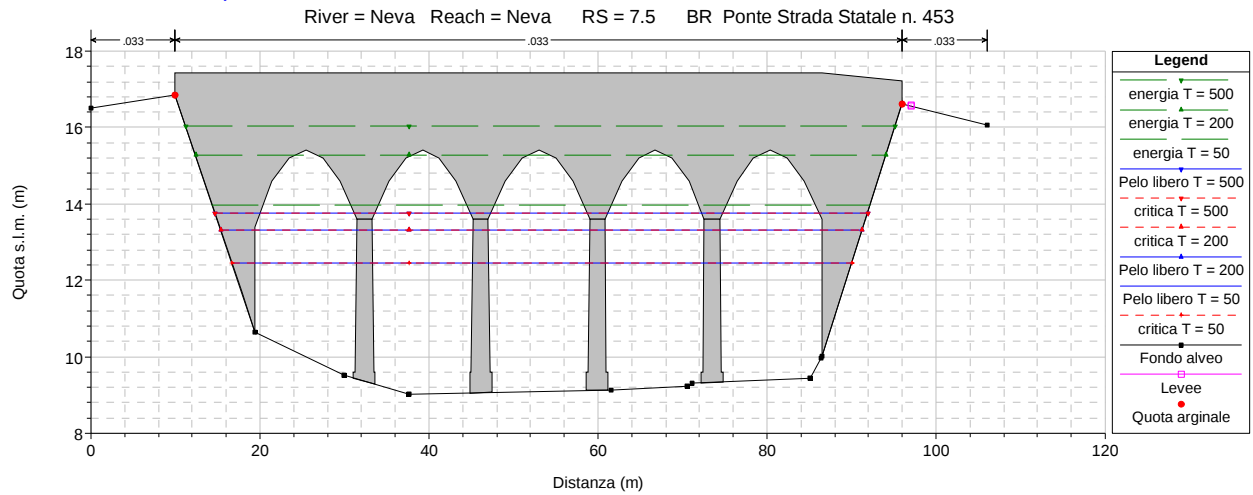
# Torrente Neva – verifica idraulica – sezioni trasversali



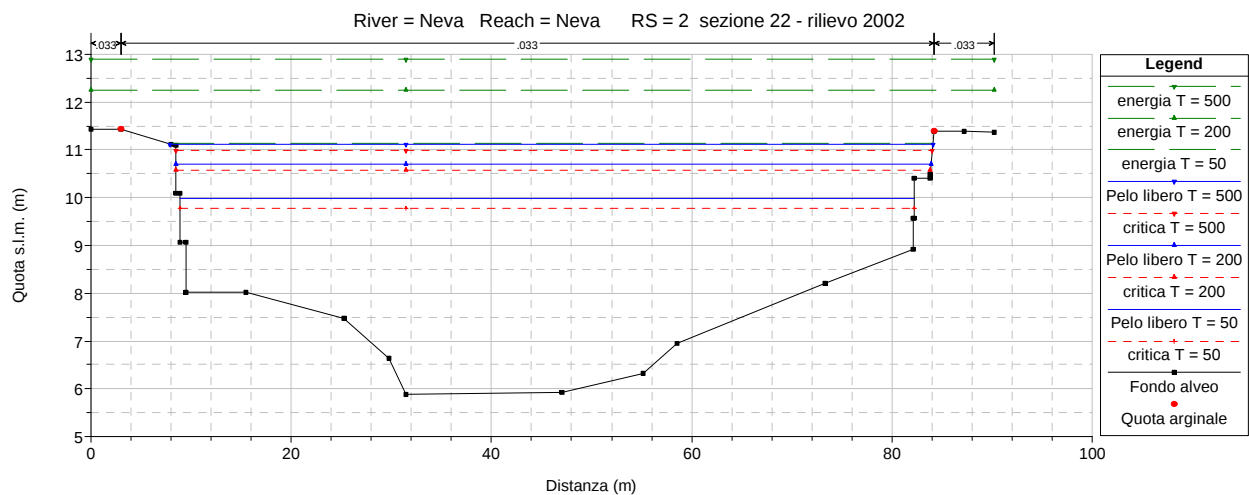
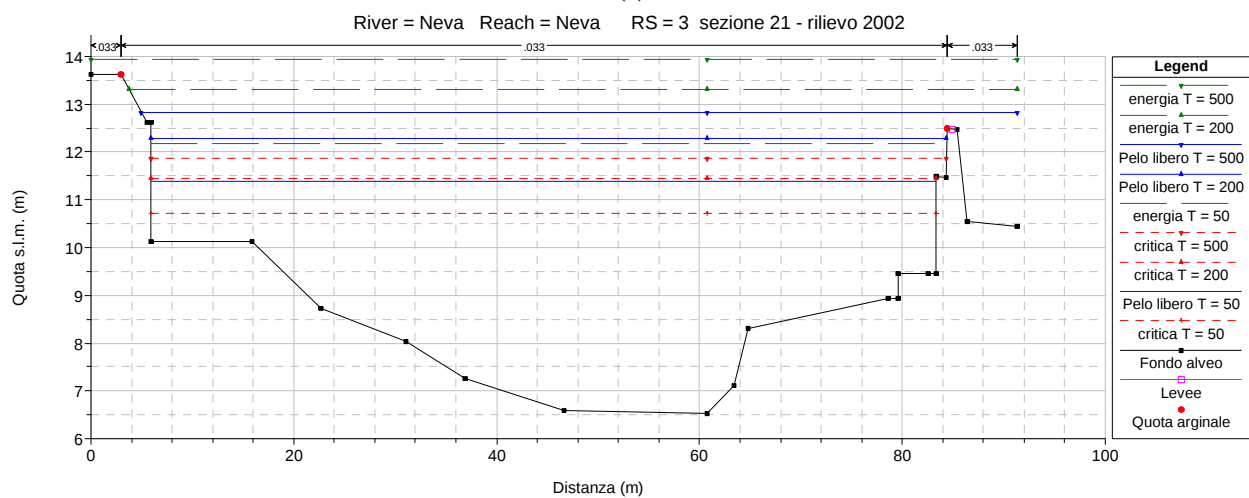
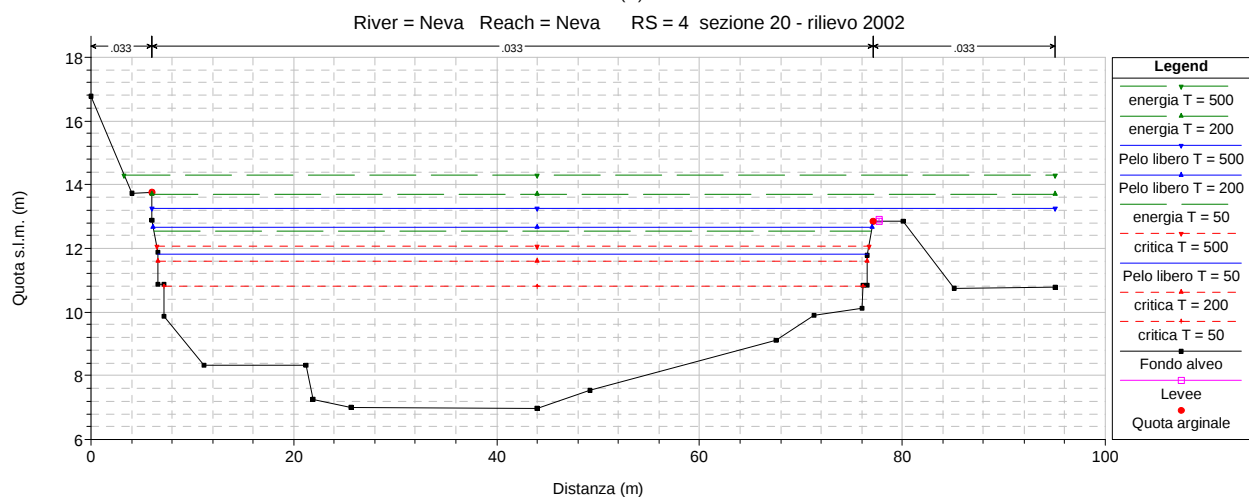
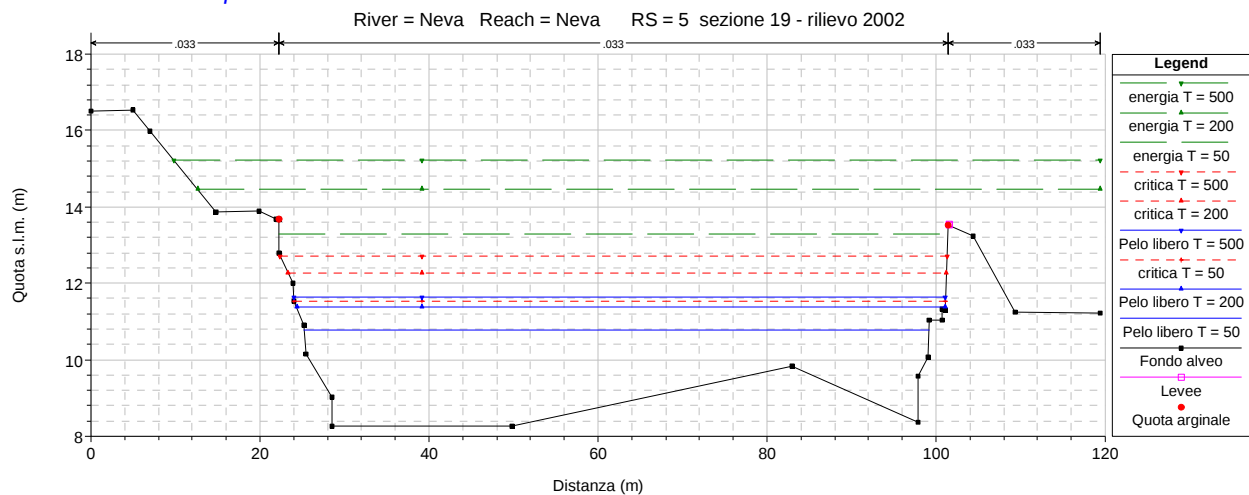
# Torrente Neva – verifica idraulica – sezioni trasversali



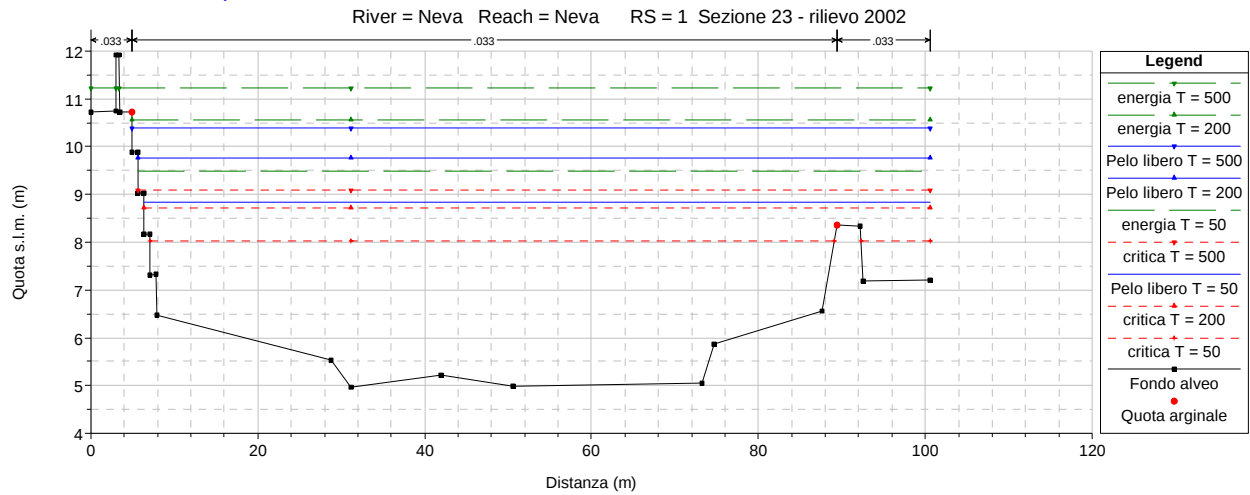
# Torrente Neva – verifica idraulica – sezioni trasversali



# Torrente Neva – verifica idraulica – sezioni trasversali



Torrente Neva – verifica idraulica – sezioni trasversali





**PROVINCIA DI SAVONA**  
**PIANO DI BACINO STRALCIO SUL RISCHIO IDROGEOLOGICO**  
**ALLEGATO VERIFICHE IDRAULICHE**

**4. TORRENTE NEVA**

**4.3 TABELLE DELLE GRANDEZZE IDRAULICHE SIGNIFICATIVE  
PER LE PORTATE T=50, 200, 500 ANNI.**

| Torrente Neva T=50 anni |                             |                       |                           |                         |                       |                              |                 |                   |                         |              |
|-------------------------|-----------------------------|-----------------------|---------------------------|-------------------------|-----------------------|------------------------------|-----------------|-------------------|-------------------------|--------------|
| Sezioni                 | Portata<br>totale<br>(m³/s) | Fondo<br>alveo<br>(m) | Argine<br>sinistro<br>(m) | Argine<br>destro<br>(m) | Pelo<br>libero<br>(m) | Profondità<br>critica<br>(m) | Energia<br>(m²) | Velocità<br>(m/s) | Area<br>bagnata<br>(m²) | N°<br>Froude |
| 124                     | 430                         | 124.20                | 128.35                    | 130.00                  | 129.81                | 129.83                       | 131.70          | 6.33              | 73.96                   | 0.93         |
| 123                     | 430                         | 123.08                | 129.95                    | 131.72                  | 129.31                | 127.42                       | 130.12          | 3.99              | 107.68                  | 0.54         |
| 122                     | 430                         | 122.17                | 129.04                    | 130.81                  | 129.18                | 126.50                       | 129.80          | 3.49              | 123.68                  | 0.45         |
| 121                     | 430                         | 121.62                | 125.32                    | 130.25                  | 127.36                | 127.36                       | 129.27          | 6.31              | 72.50                   | 0.93         |
| 120                     | 430                         | 121.32                | 125.35                    | 126.56                  | 125.48                | 126.32                       | 128.36          | 7.52              | 57.31                   | 1.37         |
| 119                     | 430                         | 120.93                | 127.01                    | 127.82                  | 126.95                | 125.72                       | 127.74          | 3.95              | 108.98                  | 0.62         |
| 118                     | 430                         | 120.64                | 126.01                    | 131.00                  | 127.09                | 124.87                       | 127.53          | 3.04              | 167.43                  | 0.43         |
| 117                     | 430                         | 120.02                | 125.53                    | 125.33                  | 126.98                | 124.78                       | 127.46          | 3.17              | 150.02                  | 0.44         |
| 116                     | 430                         | 119.69                | 124.14                    | 124.14                  | 125.97                | 125.90                       | 127.36          | 5.86              | 93.00                   | 0.76         |
| 115.5                   | Bridge                      |                       |                           |                         |                       |                              |                 |                   |                         |              |
| 115                     | 430                         | 119.69                | 124.14                    | 124.14                  | 125.90                | 125.90                       | 127.30          | 5.86              | 90.09                   | 0.76         |
| 114                     | 430                         | 119.53                | 125.98                    | 125.71                  | 123.74                | 124.80                       | 127.04          | 8.06              | 53.38                   | 1.58         |
| 113                     | 430                         | 119.23                | 125.03                    | 124.19                  | 124.61                | 123.18                       | 125.39          | 3.93              | 112.45                  | 0.59         |
| 112                     | 430                         | 119.25                | 122.72                    | 121.25                  | 124.02                | 123.51                       | 125.15          | 4.82              | 93.44                   | 0.80         |
| 111                     | 430                         | 119.26                | 122.92                    | 120.95                  | 123.62                | 123.62                       | 125.00          | 5.41              | 86.05                   | 0.94         |
| 110                     | 430                         | 118.54                | 127.58                    | 122.48                  | 121.39                | 122.27                       | 124.35          | 7.63              | 56.35                   | 1.74         |
| 109                     | 430                         | 118.05                | 133.98                    | 122.83                  | 122.63                | 121.76                       | 123.40          | 3.91              | 110.01                  | 0.67         |
| 108                     | 430                         | 116.37                | 119.34                    | 121.05                  | 122.57                | 121.10                       | 123.22          | 3.75              | 125.67                  | 0.53         |
| 107                     | 430                         | 115.61                | 119.72                    | 122.46                  | 121.72                | 120.97                       | 123.04          | 5.20              | 87.48                   | 0.73         |
| 106                     | 430                         | 115.47                | 125.39                    | 125.39                  | 122.03                | 120.01                       | 122.71          | 3.66              | 117.39                  | 0.51         |
| 105.5                   | Bridge                      |                       |                           |                         |                       |                              |                 |                   |                         |              |
| 105                     | 430                         | 115.47                | 125.39                    | 125.39                  | 118.92                | 120.01                       | 122.43          | 8.30              | 51.79                   | 1.60         |
| 104                     | 430                         | 113.75                | 125.38                    | 120.05                  | 118.83                | 118.08                       | 120.09          | 4.98              | 86.41                   | 0.76         |
| 103                     | 430                         | 113.79                | 120.82                    | 120.01                  | 118.33                | 117.95                       | 119.88          | 5.51              | 78.00                   | 0.87         |
| 102.5                   | Bridge                      |                       |                           |                         |                       |                              |                 |                   |                         |              |
| 102                     | 430                         | 113.79                | 120.82                    | 120.01                  | 117.95                | 117.95                       | 119.83          | 6.08              | 70.77                   | 1.00         |
| 101                     | 430                         | 110.49                | 115.60                    | 117.31                  | 117.11                | 116.48                       | 118.70          | 5.59              | 76.94                   | 0.83         |
| 100                     | 430                         | 110.22                | 117.28                    | 117.42                  | 115.71                | 115.71                       | 118.17          | 6.96              | 61.76                   | 1.00         |
| 99                      | 430                         | 108.16                | 116.32                    | 117.01                  | 116.56                | 114.39                       | 117.50          | 4.31              | 102.06                  | 0.54         |
| 98                      | 430                         | 108.26                | 118.65                    | 116.98                  | 116.59                | 114.93                       | 117.47          | 4.17              | 104.97                  | 0.58         |
| 97                      | 430                         | 106.43                | 113.32                    | 113.82                  | 116.41                | 112.91                       | 117.11          | 3.80              | 122.10                  | 0.42         |
| 96.5                    | Bridge                      |                       |                           |                         |                       |                              |                 |                   |                         |              |
| 96                      | 430                         | 106.43                | 113.32                    | 113.82                  | 112.84                | 112.84                       | 115.37          | 7.05              | 60.97                   | 1.02         |
| 95                      | 430                         | 106.09                | 119.45                    | 113.07                  | 110.54                | 111.84                       | 114.82          | 9.16              | 46.93                   | 1.81         |
| 94                      | 430                         | 103.19                | 110.74                    | 111.60                  | 109.22                | 108.38                       | 110.68          | 5.35              | 80.43                   | 0.76         |
| 93.5                    | Bridge                      |                       |                           |                         |                       |                              |                 |                   |                         |              |
| 93                      | 430                         | 103.19                | 110.74                    | 111.60                  | 108.75                | 108.38                       | 110.52          | 5.90              | 72.90                   | 0.88         |
| 92                      | 430                         | 102.81                | 110.84                    | 109.41                  | 109.18                | 107.03                       | 110.10          | 4.25              | 101.16                  | 0.54         |
| 91                      | 430                         | 101.85                | 108.53                    | 108.55                  | 107.49                | 107.40                       | 109.49          | 6.27              | 68.62                   | 0.97         |
| 90                      | 430                         | 100.69                | 108.25                    | 107.64                  | 107.65                | 106.55                       | 108.82          | 4.81              | 89.57                   | 0.70         |
| 89                      | 430                         | 99.75                 | 103.87                    | 104.74                  | 105.92                | 105.92                       | 108.07          | 6.65              | 67.81                   | 1.05         |
| 88                      | 430                         | 97.51                 | 104.64                    | 106.09                  | 102.02                | 103.64                       | 107.32          | 10.20             | 42.17                   | 1.93         |
| 87                      | 430                         | 97.80                 | 101.96                    | 103.01                  | 103.30                | 102.71                       | 104.30          | 4.46              | 99.24                   | 0.74         |
| 86                      | 430                         | 97.44                 | 101.41                    | 102.58                  | 103.26                | 101.99                       | 103.98          | 3.93              | 120.67                  | 0.59         |
| 85                      | 430                         | 98.55                 | 101.06                    | 103.50                  | 102.28                | 102.28                       | 103.68          | 5.32              | 84.65                   | 0.91         |
| 84                      | 430                         | 95.26                 | 101.01                    | 99.60                   | 98.21                 | 99.71                        | 103.28          | 9.98              | 43.10                   | 2.10         |
| 83                      | 430                         | 93.51                 | 98.77                     | 100.17                  | 100.03                | 98.46                        | 100.86          | 4.04              | 109.21                  | 0.59         |
| 82                      | 430                         | 92.50                 | 98.33                     | 101.67                  | 99.84                 | 97.48                        | 100.56          | 3.77              | 117.43                  | 0.50         |
| 81                      | 430                         | 89.90                 | 96.28                     | 97.49                   | 99.68                 | 96.29                        | 100.16          | 3.33              | 156.32                  | 0.37         |
| 80.5                    | Bridge                      |                       |                           |                         |                       |                              |                 |                   |                         |              |
| 80                      | 430                         | 89.90                 | 96.28                     | 97.49                   | 96.25                 | 96.25                        | 98.51           | 6.84              | 67.16                   | 1.01         |
| 79                      | 430                         | 88.81                 | 95.24                     | 92.53                   | 93.28                 | 94.45                        | 97.22           | 8.81              | 49.03                   | 1.63         |
| 78                      | 430                         | 86.27                 | 90.30                     | 89.95                   | 92.37                 | 91.46                        | 93.42           | 4.64              | 99.07                   | 0.67         |
| 77                      | 430                         | 85.76                 | 88.97                     | 89.00                   | 91.13                 | 91.13                        | 93.13           | 6.34              | 71.37                   | 0.96         |
| 76                      | 430                         | 85.24                 | 91.24                     | 96.31                   | 89.08                 | 89.94                        | 92.15           | 7.77              | 55.36                   | 1.46         |
| 75                      | 430                         | 82.20                 | 90.68                     | 84.53                   | 89.83                 | 88.35                        | 90.46           | 3.83              | 127.82                  | 0.51         |
| 74                      | 430                         | 79.42                 | 84.21                     | 91.22                   | 88.91                 | 86.85                        | 89.89           | 4.62              | 107.17                  | 0.55         |
| 73                      | 430                         | 77.40                 | 88.06                     | 88.68                   | 89.27                 | 84.97                        | 89.53           | 2.38              | 202.35                  | 0.28         |
| 72.5                    | Bridge                      |                       |                           |                         |                       |                              |                 |                   |                         |              |

| Torrente Neva T=50 anni |                                          |                       |                           |                         |                       |                              |                              |                   |                                      |              |
|-------------------------|------------------------------------------|-----------------------|---------------------------|-------------------------|-----------------------|------------------------------|------------------------------|-------------------|--------------------------------------|--------------|
| Sezioni                 | Portata<br>totale<br>(m <sup>3</sup> /s) | Fondo<br>alveo<br>(m) | Argine<br>sinistro<br>(m) | Argine<br>destro<br>(m) | Pelo<br>libero<br>(m) | Profondità<br>critica<br>(m) | Energia<br>(m <sup>2</sup> ) | Velocità<br>(m/s) | Area<br>bagnata<br>(m <sup>2</sup> ) | N°<br>Froude |
| 72                      | 430                                      | 77.40                 | 88.06                     | 88.68                   | 87.65                 | 84.97                        | 88.21                        | 3.32              | 131.37                               | 0.44         |
| 71                      | 430                                      | 77.85                 | 85.77                     | 84.54                   | 87.12                 | 83.93                        | 87.94                        | 4.11              | 114.97                               | 0.46         |
| 70.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 70                      | 430                                      | 77.85                 | 85.77                     | 84.54                   | 83.93                 | 83.93                        | 86.52                        | 7.13              | 60.34                                | 1.00         |
| 69                      | 430                                      | 75.96                 | 77.26                     | 83.74                   | 79.16                 | 80.53                        | 83.43                        | 9.57              | 48.58                                | 1.86         |
| 68                      | 430                                      | 74.90                 | 82.52                     | 83.78                   | 79.62                 | 79.63                        | 81.45                        | 5.99              | 71.83                                | 1.01         |
| 67                      | 430                                      | 73.51                 | 80.61                     | 76.34                   | 77.24                 | 77.83                        | 79.26                        | 6.43              | 73.43                                | 1.16         |
| 66                      | 430                                      | 72.69                 | 76.20                     | 76.91                   | 77.38                 | 76.53                        | 77.99                        | 3.58              | 134.49                               | 0.60         |
| 65                      | 430                                      | 72.93                 | 75.60                     | 75.52                   | 76.11                 | 76.11                        | 77.29                        | 5.19              | 93.88                                | 0.99         |
| 64                      | 430                                      | 69.32                 | 74.99                     | 74.98                   | 73.27                 | 74.55                        | 76.89                        | 8.44              | 50.96                                | 1.74         |
| 63                      | 430                                      | 66.41                 | 73.65                     | 74.13                   | 71.64                 | 73.05                        | 74.87                        | 7.96              | 54.02                                | 1.49         |
| 62                      | 430                                      | 58.99                 | 73.21                     | 73.46                   | 64.55                 | 66.58                        | 71.07                        | 11.32             | 37.99                                | 1.98         |
| 61.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 61                      | 430                                      | 58.99                 | 72.40                     | 72.46                   | 65.11                 | 66.58                        | 69.85                        | 9.65              | 44.57                                | 1.60         |
| 60                      | 990                                      | 53.15                 | 67.40                     | 65.14                   | 58.77                 | 60.35                        | 64.46                        | 10.57             | 93.69                                | 1.47         |
| 59                      | 990                                      | 51.78                 | 65.04                     | 60.69                   | 58.02                 | 56.90                        | 59.34                        | 5.09              | 194.33                               | 0.71         |
| 58                      | 990                                      | 49.02                 | 58.88                     | 59.03                   | 57.47                 | 55.36                        | 58.38                        | 4.23              | 234.01                               | 0.55         |
| 57.5                    | 990                                      | 41.33                 | 51.05                     | 52.61                   | 56.17                 | 52.71                        | 57.00                        | 4.13              | 250.03                               | 0.44         |
| 57.3                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 57                      | 990                                      | 41.33                 | 51.05                     | 52.61                   | 52.71                 | 52.71                        | 55.13                        | 6.99              | 146.10                               | 0.94         |
| 56.5                    | 990                                      | 37.02                 | 43.07                     | 41.99                   | 48.63                 | 44.50                        | 49.50                        | 4.38              | 270.92                               | 0.42         |
| 56.3                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 56                      | 990                                      | 37.02                 | 43.07                     | 41.99                   | 44.50                 | 44.50                        | 47.46                        | 7.75              | 137.52                               | 0.95         |
| 55                      | 990                                      | 35.37                 | 38.33                     | 40.91                   | 42.81                 | 43.25                        | 46.00                        | 8.31              | 132.89                               | 1.06         |
| 54                      | 990                                      | 32.51                 | 37.34                     | 37.61                   | 39.37                 | 38.75                        | 40.39                        | 4.60              | 233.89                               | 0.68         |
| 53                      | 990                                      | 30.93                 | 38.76                     | 51.48                   | 37.16                 | 37.16                        | 39.04                        | 6.08              | 162.93                               | 1.00         |
| 52.1                    | 990                                      | 31.71                 | 37.94                     | 36.53                   | 34.88                 | 35.70                        | 37.73                        | 7.48              | 132.39                               | 1.50         |
| 52                      | 990                                      | 30.98                 | 37.94                     | 36.53                   | 34.64                 | 35.54                        | 37.71                        | 7.76              | 127.52                               | 1.57         |
| 51                      | 990                                      | 29.78                 | 35.11                     | 39.48                   | 36.56                 | 34.20                        | 37.11                        | 3.29              | 305.20                               | 0.45         |
| 50.1                    | 990                                      | 31.00                 | 34.99                     | 34.71                   | 35.86                 | 35.21                        | 36.95                        | 4.64              | 218.49                               | 0.74         |
| 50                      | 990                                      | 29.96                 | 34.99                     | 34.71                   | 36.06                 | 34.72                        | 36.86                        | 3.99              | 254.28                               | 0.59         |
| 49.1                    | 990                                      | 30.96                 | 34.99                     | 34.71                   | 35.29                 | 35.29                        | 36.79                        | 5.45              | 185.93                               | 0.94         |
| 49                      | 990                                      | 28.49                 | 34.99                     | 34.71                   | 35.52                 | 33.62                        | 36.20                        | 3.68              | 275.52                               | 0.52         |
| 48                      | 990                                      | 28.54                 | 34.87                     | 32.97                   | 35.47                 | 33.79                        | 36.13                        | 3.74              | 291.40                               | 0.51         |
| 47                      | 990                                      | 27.76                 | 32.30                     | 34.71                   | 35.48                 | 33.13                        | 36.05                        | 3.39              | 303.63                               | 0.45         |
| 46                      | 990                                      | 27.25                 | 30.19                     | 35.60                   | 34.92                 | 33.51                        | 35.90                        | 4.69              | 232.67                               | 0.60         |
| 45.1                    | 990                                      | 24.62                 | 30.88                     | 37.91                   | 34.99                 | 32.67                        | 35.60                        | 3.65              | 302.12                               | 0.44         |
| 45                      | 990                                      | 28.33                 | 30.87                     | 35.90                   | 34.54                 | 33.22                        | 35.56                        | 4.73              | 233.64                               | 0.66         |
| 44.1                    | 990                                      | 28.30                 | 31.42                     | 35.90                   | 33.19                 | 33.19                        | 35.43                        | 6.85              | 155.46                               | 1.08         |
| 44                      | 990                                      | 24.31                 | 31.42                     | 35.90                   | 30.77                 | 32.37                        | 35.21                        | 9.34              | 106.00                               | 1.57         |
| 43                      | 990                                      | 24.33                 | 30.23                     | 31.45                   | 30.50                 | 30.93                        | 32.10                        | 5.65              | 185.00                               | 1.14         |
| 42.1                    | 990                                      | 24.13                 | 29.98                     | 31.31                   | 31.20                 | 29.78                        | 31.80                        | 3.57              | 306.85                               | 0.53         |
| 42                      | 990                                      | 23.65                 | 29.98                     | 31.31                   | 31.22                 | 29.65                        | 31.79                        | 3.47              | 315.75                               | 0.51         |
| 41.1                    | 990                                      | 23.63                 | 29.49                     | 33.85                   | 29.29                 | 29.29                        | 31.40                        | 6.44              | 153.80                               | 1.00         |
| 41                      | 990                                      | 21.16                 | 29.49                     | 33.85                   | 27.07                 | 28.32                        | 31.20                        | 9.00              | 109.99                               | 1.51         |
| 40                      | 990                                      | 22.11                 | 29.33                     | 28.42                   | 27.16                 | 27.16                        | 29.03                        | 6.07              | 163.14                               | 1.00         |
| 39                      | 990                                      | 20.19                 | 26.54                     | 27.91                   | 26.35                 | 25.55                        | 27.44                        | 4.64              | 213.43                               | 0.73         |
| 38                      | 990                                      | 19.33                 | 23.62                     | 24.93                   | 25.90                 | 25.90                        | 27.05                        | 4.99              | 243.13                               | 0.73         |
| 37                      | 990                                      | 19.46                 | 24.67                     | 25.41                   | 25.11                 | 24.03                        | 25.99                        | 4.17              | 240.92                               | 0.65         |
| 36                      | 990                                      | 19.18                 | 24.89                     | 24.93                   | 23.76                 | 23.76                        | 25.29                        | 5.49              | 180.20                               | 1.00         |
| 35                      | 990                                      | 19.06                 | 24.69                     | 24.25                   | 22.29                 | 22.86                        | 24.53                        | 6.63              | 149.31                               | 1.39         |
| 34                      | 990                                      | 18.76                 | 22.81                     | 23.67                   | 22.44                 | 22.04                        | 23.41                        | 4.36              | 227.21                               | 0.81         |
| 33                      | 990                                      | 17.60                 | 27.65                     | 23.17                   | 21.68                 | 21.19                        | 22.58                        | 4.21              | 235.09                               | 0.77         |
| 32                      | 990                                      | 16.65                 | 22.63                     | 22.37                   | 21.58                 | 20.45                        | 22.22                        | 3.53              | 280.30                               | 0.59         |
| 31                      | 990                                      | 16.52                 | 21.60                     | 21.50                   | 21.18                 | 20.31                        | 21.89                        | 3.73              | 265.54                               | 0.65         |
| 30                      | 990                                      | 16.25                 | 21.83                     | 21.02                   | 20.70                 | 20.08                        | 21.56                        | 4.10              | 241.65                               | 0.73         |
| 29.1                    | 990                                      | 16.83                 | 21.36                     | 20.47                   | 19.75                 | 19.75                        | 21.07                        | 5.09              | 194.46                               | 1.00         |
| 29                      | 990                                      | 13.64                 | 21.36                     | 20.47                   | 20.42                 | 17.35                        | 20.71                        | 2.39              | 414.09                               | 0.32         |
| 28                      | 990                                      | 15.43                 | 20.82                     | 20.20                   | 20.00                 | 18.90                        | 20.66                        | 3.60              | 274.64                               | 0.60         |

| Torrente Neva T=50 anni |                                          |                       |                           |                         |                       |                              |                              |                   |                                      |              |
|-------------------------|------------------------------------------|-----------------------|---------------------------|-------------------------|-----------------------|------------------------------|------------------------------|-------------------|--------------------------------------|--------------|
| Sezioni                 | Portata<br>totale<br>(m <sup>3</sup> /s) | Fondo<br>alveo<br>(m) | Argine<br>sinistro<br>(m) | Argine<br>destro<br>(m) | Pelo<br>libero<br>(m) | Profondità<br>critica<br>(m) | Energia<br>(m <sup>2</sup> ) | Velocità<br>(m/s) | Area<br>bagnata<br>(m <sup>2</sup> ) | N°<br>Froude |
| 27.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 27                      | 990                                      | 14.89                 | 20.71                     | 20.37                   | 19.53                 | 18.98                        | 20.44                        | 4.22              | 234.68                               | 0.76         |
| 26                      | 990                                      | 13.81                 | 20.29                     | 19.56                   | 18.81                 | 18.37                        | 19.74                        | 4.27              | 231.87                               | 0.79         |
| 25.1                    | 990                                      | 14.93                 | 19.50                     | 18.79                   | 17.99                 | 17.73                        | 18.99                        | 4.44              | 223.00                               | 0.86         |
| 25                      | 990                                      | 13.97                 | 19.50                     | 18.79                   | 18.29                 | 17.16                        | 18.87                        | 3.38              | 293.33                               | 0.57         |
| 24                      | 990                                      | 13.26                 | 18.61                     | 17.83                   | 17.42                 | 17.07                        | 18.34                        | 4.24              | 233.22                               | 0.81         |
| 23                      | 990                                      | 13.08                 | 18.27                     | 17.48                   | 17.20                 | 16.73                        | 18.04                        | 4.06              | 244.01                               | 0.76         |
| 22                      | 990                                      | 13.50                 | 17.21                     | 17.19                   | 17.33                 | 16.35                        | 17.91                        | 3.41              | 298.56                               | 0.59         |
| 21.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 21                      | 990                                      | 13.53                 | 18.12                     | 17.12                   | 16.85                 | 16.51                        | 17.79                        | 4.29              | 230.60                               | 0.82         |
| 20                      | 990                                      | 13.69                 | 17.14                     | 17.01                   | 16.73                 | 16.32                        | 17.62                        | 4.18              | 236.93                               | 0.79         |
| 19                      | 990                                      | 12.72                 | 17.14                     | 17.01                   | 17.07                 | 15.58                        | 17.48                        | 2.86              | 357.71                               | 0.46         |
| 18                      | 990                                      | 12.88                 | 17.11                     | 15.82                   | 16.00                 | 15.85                        | 17.12                        | 4.68              | 213.12                               | 0.90         |
| 17                      | 990                                      | 12.08                 | 17.11                     | 15.82                   | 16.35                 | 15.23                        | 16.96                        | 3.47              | 287.65                               | 0.58         |
| 16                      | 990                                      | 12.39                 | 16.59                     | 16.24                   | 15.72                 | 15.25                        | 16.60                        | 4.15              | 238.27                               | 0.77         |
| 15                      | 990                                      | 11.96                 | 16.59                     | 16.24                   | 15.92                 | 14.81                        | 16.52                        | 3.43              | 288.95                               | 0.58         |
| 14                      | 990                                      | 11.92                 | 16.39                     | 15.20                   | 14.72                 | 14.72                        | 16.00                        | 5.00              | 197.96                               | 1.00         |
| 13                      | 990                                      | 11.36                 | 16.39                     | 15.20                   | 15.15                 | 14.15                        | 15.81                        | 3.61              | 274.60                               | 0.61         |
| 12                      | 990                                      | 11.02                 | 15.40                     | 14.37                   | 13.77                 | 13.77                        | 15.03                        | 4.98              | 198.72                               | 1.00         |
| 11                      | 990                                      | 9.95                  | 15.40                     | 14.37                   | 14.23                 | 12.85                        | 14.77                        | 3.23              | 306.09                               | 0.52         |
| 10                      | 990                                      | 10.18                 | 14.87                     | 13.47                   | 13.79                 | 12.85                        | 14.38                        | 3.48              | 294.76                               | 0.61         |
| 9                       | 990                                      | 9.10                  | 14.87                     | 13.47                   | 13.96                 | 12.04                        | 14.31                        | 2.70              | 382.08                               | 0.41         |
| 8                       | 990                                      | 9.03                  | 16.85                     | 16.63                   | 13.44                 | 12.15                        | 14.04                        | 3.43              | 288.78                               | 0.56         |
| 7.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 7                       | 990                                      | 9.00                  | 16.81                     | 16.60                   | 11.42                 | 12.12                        | 13.85                        | 6.91              | 143.36                               | 1.54         |
| 6                       | 990                                      | 8.95                  | 13.67                     | 13.53                   | 12.09                 | 12.09                        | 13.36                        | 5.00              | 197.95                               | 1.00         |
| 5                       | 990                                      | 8.26                  | 13.67                     | 13.53                   | 10.82                 | 11.53                        | 13.24                        | 6.89              | 143.59                               | 1.58         |
| 4                       | 990                                      | 6.96                  | 13.74                     | 12.86                   | 11.81                 | 10.81                        | 12.55                        | 3.80              | 260.37                               | 0.63         |
| 3                       | 990                                      | 6.53                  | 13.62                     | 12.48                   | 11.38                 | 10.71                        | 12.18                        | 3.97              | 249.20                               | 0.71         |
| 2                       | 990                                      | 5.87                  | 11.43                     | 11.38                   | 9.99                  | 9.78                         | 11.14                        | 4.73              | 209.12                               | 0.89         |
| 1                       | 990                                      | 4.96                  | 10.73                     | 8.35                    | 8.85                  | 8.02                         | 9.48                         | 3.56              | 285.88                               | 0.63         |

| Torrente Neva T=200 anni |                                          |                       |                           |                         |                       |                              |                              |                   |                                      |              |
|--------------------------|------------------------------------------|-----------------------|---------------------------|-------------------------|-----------------------|------------------------------|------------------------------|-------------------|--------------------------------------|--------------|
| Sezioni                  | Portata<br>totale<br>(m <sup>3</sup> /s) | Fondo<br>alveo<br>(m) | Argine<br>sinistro<br>(m) | Argine<br>destro<br>(m) | Pelo<br>libero<br>(m) | Profondità<br>critica<br>(m) | Energia<br>(m <sup>2</sup> ) | Velocità<br>(m/s) | Area<br>bagnata<br>(m <sup>2</sup> ) | N°<br>Froude |
| 124                      | 620                                      | 124.20                | 128.35                    | 130.00                  | 131.31                | 131.31                       | 132.75                       | 5.84              | 127.32                               | 0.75         |
| 123                      | 620                                      | 123.08                | 129.95                    | 131.72                  | 130.10                | 128.45                       | 131.39                       | 5.03              | 123.85                               | 0.64         |
| 122                      | 620                                      | 122.17                | 129.04                    | 130.81                  | 130.00                | 127.54                       | 130.92                       | 4.31              | 154.40                               | 0.52         |
| 121                      | 620                                      | 121.62                | 125.32                    | 130.25                  | 128.97                | 128.97                       | 130.45                       | 5.84              | 127.13                               | 0.75         |
| 120                      | 620                                      | 121.32                | 125.35                    | 126.56                  | 126.44                | 127.33                       | 129.68                       | 8.05              | 79.39                                | 1.31         |
| 119                      | 620                                      | 120.93                | 127.01                    | 127.82                  | 125.63                | 126.63                       | 129.09                       | 8.24              | 75.20                                | 1.51         |
| 118                      | 620                                      | 120.64                | 126.01                    | 131.00                  | 127.96                | 125.80                       | 128.40                       | 3.22              | 239.66                               | 0.43         |
| 117                      | 620                                      | 120.02                | 125.53                    | 125.33                  | 127.55                | 125.93                       | 128.30                       | 3.99              | 174.61                               | 0.52         |
| 116                      | 620                                      | 119.69                | 124.14                    | 124.14                  | 127.65                | 126.94                       | 128.24                       | 4.05              | 192.88                               | 0.46         |
| 115.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 115                      | 620                                      | 119.69                | 124.14                    | 124.14                  | 126.94                | 126.94                       | 128.01                       | 5.46              | 150.05                               | 0.66         |
| 114                      | 620                                      | 119.53                | 125.98                    | 125.71                  | 125.07                | 125.66                       | 127.80                       | 7.31              | 84.83                                | 1.28         |
| 113                      | 620                                      | 119.23                | 125.03                    | 124.19                  | 126.81                | 124.12                       | 127.35                       | 3.41              | 203.33                               | 0.42         |
| 112                      | 620                                      | 119.25                | 122.72                    | 121.25                  | 126.51                | 124.56                       | 127.25                       | 3.96              | 169.03                               | 0.51         |
| 111                      | 620                                      | 119.26                | 122.92                    | 120.95                  | 126.50                | 124.39                       | 127.19                       | 3.86              | 173.46                               | 0.49         |
| 110                      | 620                                      | 118.54                | 127.58                    | 122.48                  | 126.73                | 123.20                       | 127.04                       | 2.55              | 258.61                               | 0.30         |
| 109                      | 620                                      | 118.05                | 133.98                    | 122.83                  | 126.78                | 122.52                       | 126.98                       | 2.09              | 324.47                               | 0.25         |
| 108                      | 620                                      | 116.37                | 119.34                    | 121.05                  | 126.66                | 121.97                       | 126.95                       | 2.58              | 283.41                               | 0.27         |
| 107                      | 620                                      | 115.61                | 119.72                    | 122.46                  | 126.57                | 122.01                       | 126.92                       | 2.90              | 258.68                               | 0.29         |
| 106                      | 620                                      | 115.47                | 125.39                    | 125.39                  | 126.48                | 120.98                       | 126.88                       | 2.82              | 224.81                               | 0.29         |
| 105.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 105                      | 620                                      | 115.47                | 125.39                    | 125.39                  | 121.17                | 120.98                       | 123.18                       | 6.29              | 98.59                                | 0.94         |
| 104                      | 620                                      | 113.75                | 125.38                    | 120.05                  | 120.93                | 119.08                       | 122.00                       | 4.67              | 141.90                               | 0.59         |
| 103                      | 620                                      | 113.79                | 120.82                    | 120.01                  | 120.75                | 118.99                       | 121.89                       | 4.82              | 138.06                               | 0.60         |
| 102.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 102                      | 620                                      | 113.79                | 120.82                    | 120.01                  | 119.40                | 118.99                       | 121.43                       | 6.31              | 98.29                                | 0.89         |
| 101                      | 620                                      | 110.49                | 115.60                    | 117.31                  | 119.11                | 117.86                       | 120.52                       | 5.36              | 122.50                               | 0.67         |
| 100                      | 620                                      | 110.22                | 117.28                    | 117.42                  | 117.58                | 117.58                       | 120.10                       | 7.10              | 90.98                                | 0.88         |
| 99                       | 620                                      | 108.16                | 116.32                    | 117.01                  | 113.99                | 115.58                       | 119.46                       | 10.36             | 59.86                                | 1.67         |
| 98                       | 620                                      | 108.26                | 118.65                    | 116.98                  | 117.64                | 115.97                       | 118.83                       | 4.89              | 131.84                               | 0.62         |
| 97                       | 620                                      | 106.43                | 113.32                    | 113.82                  | 117.25                | 114.51                       | 118.43                       | 4.94              | 136.78                               | 0.52         |
| 96.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 96                       | 620                                      | 106.43                | 113.32                    | 113.82                  | 114.51                | 114.51                       | 117.18                       | 7.34              | 88.69                                | 0.92         |
| 95                       | 620                                      | 106.09                | 119.45                    | 113.07                  | 111.31                | 112.97                       | 116.60                       | 10.20             | 60.81                                | 1.79         |
| 94                       | 620                                      | 103.19                | 110.74                    | 111.60                  | 112.43                | 109.55                       | 113.34                       | 4.35              | 157.78                               | 0.49         |
| 93.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 93                       | 620                                      | 103.19                | 110.74                    | 111.60                  | 109.54                | 109.54                       | 112.22                       | 7.25              | 85.50                                | 1.00         |
| 92                       | 620                                      | 102.81                | 110.84                    | 109.41                  | 110.16                | 108.19                       | 111.59                       | 5.30              | 117.74                               | 0.63         |
| 91                       | 620                                      | 101.85                | 108.53                    | 108.55                  | 109.33                | 109.33                       | 111.07                       | 5.97              | 114.60                               | 0.78         |
| 90                       | 620                                      | 100.69                | 108.25                    | 107.64                  | 106.89                | 108.43                       | 110.31                       | 8.19              | 75.73                                | 1.28         |
| 89                       | 620                                      | 99.75                 | 103.87                    | 104.74                  | 107.37                | 107.37                       | 109.37                       | 6.55              | 103.17                               | 0.89         |
| 88                       | 620                                      | 97.51                 | 104.64                    | 106.09                  | 103.12                | 105.11                       | 108.70                       | 10.47             | 59.23                                | 1.74         |
| 87                       | 620                                      | 97.80                 | 101.96                    | 103.01                  | 104.23                | 103.58                       | 105.48                       | 5.03              | 127.93                               | 0.75         |
| 86                       | 620                                      | 97.44                 | 101.41                    | 102.58                  | 104.26                | 103.14                       | 105.13                       | 4.39              | 157.76                               | 0.59         |
| 85                       | 620                                      | 98.55                 | 101.06                    | 103.50                  | 103.08                | 103.08                       | 104.82                       | 6.00              | 109.35                               | 0.93         |
| 84                       | 620                                      | 95.26                 | 101.01                    | 99.60                   | 99.11                 | 100.84                       | 104.43                       | 10.22             | 60.66                                | 1.88         |
| 83                       | 620                                      | 93.51                 | 98.77                     | 100.17                  | 101.04                | 99.52                        | 102.15                       | 4.73              | 139.11                               | 0.63         |
| 82                       | 620                                      | 92.50                 | 98.33                     | 101.67                  | 100.74                | 98.74                        | 101.82                       | 4.66              | 138.24                               | 0.59         |
| 81                       | 620                                      | 89.90                 | 96.28                     | 97.49                   | 100.64                | 97.78                        | 101.28                       | 3.94              | 190.90                               | 0.42         |
| 80.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 80                       | 620                                      | 89.90                 | 96.28                     | 97.49                   | 97.78                 | 97.78                        | 100.12                       | 7.07              | 96.34                                | 0.91         |
| 79                       | 620                                      | 88.81                 | 95.24                     | 92.53                   | 94.17                 | 95.62                        | 98.95                        | 9.72              | 64.74                                | 1.58         |
| 78                       | 620                                      | 86.27                 | 90.30                     | 89.95                   | 93.86                 | 92.44                        | 94.93                        | 4.80              | 147.52                               | 0.61         |
| 77                       | 620                                      | 85.76                 | 88.97                     | 89.00                   | 92.66                 | 92.66                        | 94.69                        | 6.51              | 107.70                               | 0.85         |
| 76                       | 620                                      | 85.24                 | 91.24                     | 96.31                   | 89.80                 | 90.93                        | 93.78                        | 8.84              | 70.15                                | 1.54         |
| 75                       | 620                                      | 82.20                 | 90.68                     | 84.53                   | 90.82                 | 89.45                        | 91.62                        | 4.33              | 162.47                               | 0.53         |

| Torrente Neva T=200 anni |                                          |                       |                           |                         |                       |                              |                              |                   |                                      |              |
|--------------------------|------------------------------------------|-----------------------|---------------------------|-------------------------|-----------------------|------------------------------|------------------------------|-------------------|--------------------------------------|--------------|
| Sezioni                  | Portata<br>totale<br>(m <sup>3</sup> /s) | Fondo<br>alveo<br>(m) | Argine<br>sinistro<br>(m) | Argine<br>destro<br>(m) | Pelo<br>libero<br>(m) | Profondità<br>critica<br>(m) | Energia<br>(m <sup>2</sup> ) | Velocità<br>(m/s) | Area<br>bagnata<br>(m <sup>2</sup> ) | N°<br>Froude |
| 74                       | 620                                      | 79.42                 | 84.21                     | 91.22                   | 90.04                 | 88.15                        | 91.04                        | 4.92              | 158.50                               | 0.56         |
| 73                       | 620                                      | 77.40                 | 88.06                     | 88.68                   | 90.35                 | 86.03                        | 90.68                        | 2.72              | 263.22                               | 0.30         |
| 72.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 72                       | 620                                      | 77.40                 | 88.06                     | 88.68                   | 88.70                 | 86.04                        | 89.43                        | 3.85              | 174.73                               | 0.47         |
| 71                       | 620                                      | 77.85                 | 85.77                     | 84.54                   | 87.78                 | 85.49                        | 89.06                        | 5.22              | 133.46                               | 0.56         |
| 70.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 70                       | 620                                      | 77.85                 | 85.77                     | 84.54                   | 85.46                 | 85.46                        | 88.61                        | 7.86              | 79.36                                | 0.98         |
| 69                       | 620                                      | 75.96                 | 77.26                     | 83.74                   | 79.69                 | 81.39                        | 85.36                        | 11.13             | 61.04                                | 1.98         |
| 68                       | 620                                      | 74.90                 | 82.52                     | 83.78                   | 80.72                 | 80.72                        | 82.91                        | 6.56              | 94.50                                | 1.00         |
| 67                       | 620                                      | 73.51                 | 80.61                     | 76.34                   | 77.65                 | 78.51                        | 80.47                        | 7.75              | 89.82                                | 1.33         |
| 66                       | 620                                      | 72.69                 | 76.20                     | 76.91                   | 78.31                 | 77.49                        | 78.92                        | 3.70              | 195.63                               | 0.55         |
| 65                       | 620                                      | 72.93                 | 75.60                     | 75.52                   | 76.75                 | 76.75                        | 78.27                        | 5.92              | 118.86                               | 1.02         |
| 64                       | 620                                      | 69.32                 | 74.99                     | 74.98                   | 74.14                 | 75.33                        | 77.91                        | 8.69              | 75.01                                | 1.54         |
| 63                       | 620                                      | 66.41                 | 73.65                     | 74.13                   | 72.58                 | 73.89                        | 76.23                        | 8.46              | 73.27                                | 1.45         |
| 62                       | 620                                      | 58.99                 | 73.21                     | 73.46                   | 65.81                 | 67.98                        | 72.74                        | 11.67             | 53.15                                | 1.82         |
| 61.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 61                       | 620                                      | 58.99                 | 72.40                     | 72.46                   | 66.47                 | 67.98                        | 71.59                        | 10.03             | 61.83                                | 1.49         |
| 60                       | 1440                                     | 53.15                 | 67.40                     | 65.14                   | 60.85                 | 62.81                        | 66.94                        | 10.93             | 131.76                               | 1.36         |
| 59                       | 1440                                     | 51.78                 | 65.04                     | 60.69                   | 60.06                 | 58.12                        | 61.47                        | 5.27              | 273.44                               | 0.65         |
| 58                       | 1440                                     | 49.02                 | 58.88                     | 59.03                   | 59.69                 | 56.61                        | 60.69                        | 4.42              | 333.06                               | 0.50         |
| 57.5                     | 1440                                     | 41.33                 | 51.05                     | 52.61                   | 58.32                 | 54.09                        | 59.43                        | 4.79              | 314.63                               | 0.46         |
| 57.3                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 57                       | 1440                                     | 41.33                 | 51.05                     | 52.61                   | 54.09                 | 54.09                        | 57.20                        | 7.96              | 187.50                               | 0.96         |
| 56.5                     | 1440                                     | 37.02                 | 43.07                     | 41.99                   | 49.71                 | 46.74                        | 51.13                        | 5.63              | 309.92                               | 0.52         |
| 56.3                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 56                       | 1440                                     | 37.02                 | 43.07                     | 41.99                   | 46.74                 | 46.74                        | 49.91                        | 8.16              | 202.85                               | 0.87         |
| 55                       | 1440                                     | 35.37                 | 38.33                     | 40.91                   | 43.86                 | 44.94                        | 48.42                        | 10.06             | 163.06                               | 1.19         |
| 54                       | 1440                                     | 32.51                 | 37.34                     | 37.61                   | 40.71                 | 39.63                        | 41.78                        | 4.83              | 334.67                               | 0.63         |
| 53                       | 1440                                     | 30.93                 | 38.76                     | 51.48                   | 38.28                 | 38.28                        | 40.59                        | 6.73              | 213.87                               | 1.00         |
| 52.1                     | 1440                                     | 31.71                 | 37.94                     | 36.53                   | 35.56                 | 36.66                        | 39.28                        | 8.54              | 168.60                               | 1.55         |
| 52                       | 1440                                     | 30.98                 | 37.94                     | 36.53                   | 35.34                 | 36.49                        | 39.25                        | 8.77              | 164.20                               | 1.60         |
| 51                       | 1440                                     | 29.78                 | 35.11                     | 39.48                   | 37.59                 | 35.20                        | 38.40                        | 4.00              | 367.69                               | 0.51         |
| 50.1                     | 1440                                     | 31.00                 | 34.99                     | 34.71                   | 36.72                 | 36.18                        | 38.20                        | 5.46              | 274.85                               | 0.79         |
| 50                       | 1440                                     | 29.96                 | 34.99                     | 34.71                   | 36.96                 | 35.72                        | 38.10                        | 4.78              | 315.08                               | 0.65         |
| 49.1                     | 1440                                     | 30.96                 | 34.99                     | 34.71                   | 36.19                 | 36.19                        | 38.02                        | 6.08              | 248.12                               | 0.94         |
| 49                       | 1440                                     | 28.49                 | 34.99                     | 34.71                   | 36.72                 | 34.67                        | 37.60                        | 4.21              | 358.80                               | 0.54         |
| 48                       | 1440                                     | 28.54                 | 34.87                     | 32.97                   | 36.73                 | 34.47                        | 37.51                        | 4.12              | 392.51                               | 0.51         |
| 47                       | 1440                                     | 27.76                 | 32.30                     | 34.71                   | 36.66                 | 34.11                        | 37.45                        | 4.03              | 380.57                               | 0.48         |
| 46                       | 1440                                     | 27.25                 | 30.19                     | 35.60                   | 35.68                 | 34.60                        | 37.25                        | 5.91              | 266.98                               | 0.72         |
| 45.1                     | 1440                                     | 24.62                 | 30.88                     | 37.91                   | 35.88                 | 34.01                        | 36.79                        | 4.49              | 355.30                               | 0.52         |
| 45                       | 1440                                     | 28.33                 | 30.87                     | 35.90                   | 35.07                 | 34.74                        | 36.72                        | 6.05              | 264.78                               | 0.81         |
| 44.1                     | 1440                                     | 28.30                 | 31.42                     | 35.90                   | 34.75                 | 34.75                        | 36.68                        | 6.53              | 245.62                               | 0.90         |
| 44                       | 1440                                     | 24.31                 | 31.42                     | 35.90                   | 32.39                 | 33.24                        | 36.47                        | 9.05              | 166.75                               | 1.30         |
| 43                       | 1440                                     | 24.33                 | 30.23                     | 31.45                   | 30.60                 | 31.55                        | 33.66                        | 7.85              | 195.76                               | 1.56         |
| 42.1                     | 1440                                     | 24.13                 | 29.98                     | 31.31                   | 31.59                 | 30.96                        | 32.60                        | 4.65              | 345.11                               | 0.67         |
| 42                       | 1440                                     | 23.65                 | 29.98                     | 31.31                   | 31.63                 | 30.88                        | 32.58                        | 4.51              | 355.91                               | 0.64         |
| 41.1                     | 1440                                     | 23.63                 | 29.49                     | 33.85                   | 30.85                 | 30.85                        | 32.29                        | 5.69              | 302.38                               | 0.78         |
| 41                       | 1440                                     | 21.16                 | 29.49                     | 33.85                   | 29.66                 | 30.45                        | 32.18                        | 7.11              | 219.99                               | 0.98         |
| 40                       | 1440                                     | 22.11                 | 29.33                     | 28.42                   | 27.76                 | 28.33                        | 30.69                        | 7.58              | 190.00                               | 1.19         |
| 39                       | 1440                                     | 20.19                 | 26.54                     | 27.91                   | 25.86                 | 26.72                        | 28.84                        | 7.65              | 188.34                               | 1.28         |
| 38                       | 1440                                     | 19.33                 | 23.62                     | 24.93                   | 26.62                 | 26.62                        | 27.95                        | 5.59              | 325.78                               | 0.76         |
| 37                       | 1440                                     | 19.46                 | 24.67                     | 25.41                   | 26.35                 | 25.14                        | 27.22                        | 4.29              | 380.75                               | 0.59         |
| 36                       | 1440                                     | 19.18                 | 24.89                     | 24.93                   | 24.64                 | 24.64                        | 26.60                        | 6.20              | 232.40                               | 1.00         |
| 35                       | 1440                                     | 19.06                 | 24.69                     | 24.25                   | 22.92                 | 23.68                        | 25.83                        | 7.57              | 190.24                               | 1.42         |
| 34                       | 1440                                     | 18.76                 | 22.81                     | 23.67                   | 23.54                 | 22.81                        | 24.25                        | 3.91              | 402.29                               | 0.62         |
| 33                       | 1440                                     | 17.60                 | 27.65                     | 23.17                   | 22.42                 | 22.06                        | 23.58                        | 4.77              | 301.72                               | 0.84         |

| Torrente Neva T=200 anni |                                          |                       |                           |                         |                       |                              |                              |                   |                                      |              |
|--------------------------|------------------------------------------|-----------------------|---------------------------|-------------------------|-----------------------|------------------------------|------------------------------|-------------------|--------------------------------------|--------------|
| Sezioni                  | Portata<br>totale<br>(m <sup>3</sup> /s) | Fondo<br>alveo<br>(m) | Argine<br>sinistro<br>(m) | Argine<br>destro<br>(m) | Pelo<br>libero<br>(m) | Profondità<br>critica<br>(m) | Energia<br>(m <sup>2</sup> ) | Velocità<br>(m/s) | Area<br>bagnata<br>(m <sup>2</sup> ) | N°<br>Froude |
| 32                       | 1440                                     | 16.65                 | 22.63                     | 22.37                   | 22.44                 | 21.20                        | 23.16                        | 3.85              | 400.60                               | 0.58         |
| 31                       | 1440                                     | 16.52                 | 21.60                     | 21.50                   | 22.43                 | 21.06                        | 22.86                        | 3.12              | 524.00                               | 0.47         |
| 30                       | 1440                                     | 16.25                 | 21.83                     | 21.02                   | 20.98                 | 20.83                        | 22.51                        | 5.48              | 262.54                               | 0.94         |
| 29.1                     | 1440                                     | 16.83                 | 21.36                     | 20.47                   | 20.77                 | 20.47                        | 21.95                        | 4.93              | 308.42                               | 0.82         |
| 29                       | 1440                                     | 13.64                 | 21.36                     | 20.47                   | 21.31                 | 18.16                        | 21.72                        | 2.87              | 527.61                               | 0.36         |
| 28                       | 1440                                     | 15.43                 | 20.82                     | 20.20                   | 21.07                 | 19.66                        | 21.68                        | 3.59              | 434.12                               | 0.52         |
| 27.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 27                       | 1440                                     | 14.89                 | 20.71                     | 20.37                   | 20.71                 | 19.75                        | 21.46                        | 3.97              | 392.06                               | 0.61         |
| 26                       | 1440                                     | 13.81                 | 20.29                     | 19.56                   | 19.10                 | 19.10                        | 20.73                        | 5.67              | 254.12                               | 1.00         |
| 25.1                     | 1440                                     | 14.93                 | 19.50                     | 18.79                   | 18.43                 | 18.43                        | 20.00                        | 5.55              | 259.61                               | 1.00         |
| 25                       | 1440                                     | 13.97                 | 19.50                     | 18.79                   | 18.89                 | 17.87                        | 19.27                        | 2.96              | 548.20                               | 0.47         |
| 24                       | 1440                                     | 13.26                 | 18.61                     | 17.83                   | 18.85                 | 17.76                        | 19.06                        | 2.24              | 718.89                               | 0.35         |
| 23                       | 1440                                     | 13.08                 | 18.27                     | 17.48                   | 18.86                 | 17.48                        | 19.00                        | 1.82              | 899.03                               | 0.27         |
| 22                       | 1440                                     | 13.50                 | 17.21                     | 17.19                   | 18.18                 | 17.04                        | 18.93                        | 3.88              | 387.21                               | 0.60         |
| 21.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 21                       | 1440                                     | 13.53                 | 18.12                     | 17.12                   | 17.78                 | 17.21                        | 18.81                        | 4.53              | 325.91                               | 0.75         |
| 20                       | 1440                                     | 13.69                 | 17.14                     | 17.01                   | 17.84                 | 17.03                        | 18.63                        | 4.03              | 369.98                               | 0.65         |
| 19                       | 1440                                     | 12.72                 | 17.14                     | 17.01                   | 18.01                 | 16.28                        | 18.56                        | 3.35              | 446.38                               | 0.49         |
| 18                       | 1440                                     | 12.88                 | 17.11                     | 15.82                   | 16.72                 | 16.57                        | 18.17                        | 5.37              | 271.63                               | 0.92         |
| 17                       | 1440                                     | 12.08                 | 17.11                     | 15.82                   | 17.12                 | 15.98                        | 17.99                        | 4.16              | 350.87                               | 0.63         |
| 16                       | 1440                                     | 12.39                 | 16.59                     | 16.24                   | 16.53                 | 15.96                        | 17.63                        | 4.68              | 313.96                               | 0.77         |
| 15                       | 1440                                     | 11.96                 | 16.59                     | 16.24                   | 16.77                 | 15.52                        | 17.52                        | 3.90              | 384.47                               | 0.59         |
| 14                       | 1440                                     | 11.92                 | 16.39                     | 15.20                   | 15.49                 | 15.49                        | 17.02                        | 5.51              | 266.79                               | 0.97         |
| 13                       | 1440                                     | 11.36                 | 16.39                     | 15.20                   | 14.13                 | 14.88                        | 16.89                        | 7.37              | 195.47                               | 1.47         |
| 12                       | 1440                                     | 11.02                 | 15.40                     | 14.37                   | 15.14                 | 14.38                        | 15.98                        | 4.16              | 358.57                               | 0.67         |
| 11                       | 1440                                     | 9.95                  | 15.40                     | 14.37                   | 15.35                 | 13.58                        | 15.89                        | 3.34              | 448.66                               | 0.48         |
| 10                       | 1440                                     | 10.18                 | 14.87                     | 13.47                   | 15.02                 | 13.51                        | 15.61                        | 3.53              | 433.70                               | 0.53         |
| 9                        | 1440                                     | 9.10                  | 14.87                     | 13.47                   | 15.14                 | 12.72                        | 15.55                        | 2.96              | 518.33                               | 0.40         |
| 8                        | 1440                                     | 9.03                  | 16.85                     | 16.63                   | 14.54                 | 12.93                        | 15.29                        | 3.85              | 374.51                               | 0.57         |
| 7.5                      | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 7                        | 1440                                     | 9.00                  | 16.81                     | 16.60                   | 11.99                 | 12.90                        | 15.12                        | 7.84              | 183.72                               | 1.57         |
| 6                        | 1440                                     | 8.95                  | 13.67                     | 13.53                   | 12.36                 | 12.82                        | 14.55                        | 6.56              | 219.67                               | 1.25         |
| 5                        | 1440                                     | 8.26                  | 13.67                     | 13.53                   | 11.37                 | 12.26                        | 14.45                        | 7.79              | 184.92                               | 1.60         |
| 4                        | 1440                                     | 6.96                  | 13.74                     | 12.86                   | 12.65                 | 11.60                        | 13.68                        | 4.51              | 319.40                               | 0.68         |
| 3                        | 1440                                     | 6.53                  | 13.62                     | 12.48                   | 12.28                 | 11.44                        | 13.31                        | 4.50              | 319.88                               | 0.71         |
| 2                        | 1440                                     | 5.87                  | 11.43                     | 11.38                   | 10.70                 | 10.57                        | 12.24                        | 5.51              | 261.33                               | 0.94         |
| 1                        | 1440                                     | 4.96                  | 10.73                     | 8.35                    | 9.76                  | 8.71                         | 10.54                        | 3.98              | 372.50                               | 0.62         |

| Torrente Neva T=500 anni |                                          |                       |                           |                         |                       |                              |                              |                   |                                      |              |
|--------------------------|------------------------------------------|-----------------------|---------------------------|-------------------------|-----------------------|------------------------------|------------------------------|-------------------|--------------------------------------|--------------|
| Sezioni                  | Portata<br>totale<br>(m <sup>3</sup> /s) | Fondo<br>alveo<br>(m) | Argine<br>sinistro<br>(m) | Argine<br>destro<br>(m) | Pelo<br>libero<br>(m) | Profondità<br>critica<br>(m) | Energia<br>(m <sup>2</sup> ) | Velocità<br>(m/s) | Area<br>bagnata<br>(m <sup>2</sup> ) | N°<br>Froude |
| 124                      | 740                                      | 124.20                | 128.35                    | 130.00                  | 131.68                | 131.68                       | 133.28                       | 6.20              | 141.97                               | 0.77         |
| 123                      | 740                                      | 123.08                | 129.95                    | 131.72                  | 130.48                | 129.06                       | 132.07                       | 5.61              | 136.72                               | 0.70         |
| 122                      | 740                                      | 122.17                | 129.04                    | 130.81                  | 130.42                | 128.15                       | 131.50                       | 4.73              | 170.73                               | 0.55         |
| 121                      | 740                                      | 121.62                | 125.32                    | 130.25                  | 129.37                | 129.37                       | 130.99                       | 6.19              | 142.54                               | 0.77         |
| 120                      | 740                                      | 121.32                | 125.35                    | 126.56                  | 127.15                | 127.54                       | 130.29                       | 7.96              | 97.12                                | 1.19         |
| 119                      | 740                                      | 120.93                | 127.01                    | 127.82                  | 126.13                | 127.90                       | 129.76                       | 8.44              | 87.63                                | 1.45         |
| 118                      | 740                                      | 120.64                | 126.01                    | 131.00                  | 128.57                | 127.24                       | 128.97                       | 3.15              | 290.64                               | 0.40         |
| 117                      | 740                                      | 120.02                | 125.53                    | 125.33                  | 127.99                | 126.65                       | 128.86                       | 4.33              | 193.59                               | 0.54         |
| 116                      | 740                                      | 119.69                | 124.14                    | 124.14                  | 128.17                | 127.23                       | 128.77                       | 4.02              | 224.25                               | 0.45         |
| 115.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 115                      | 740                                      | 119.69                | 124.14                    | 124.14                  | 127.54                | 127.23                       | 128.45                       | 5.04              | 186.32                               | 0.58         |
| 114                      | 740                                      | 119.53                | 125.98                    | 125.71                  | 127.60                | 126.79                       | 128.40                       | 4.21              | 206.51                               | 0.56         |
| 113                      | 740                                      | 119.23                | 125.03                    | 124.19                  | 127.69                | 124.96                       | 128.24                       | 3.45              | 241.70                               | 0.40         |
| 112                      | 740                                      | 119.25                | 122.72                    | 121.25                  | 127.34                | 125.01                       | 128.13                       | 4.11              | 194.49                               | 0.49         |
| 111                      | 740                                      | 119.26                | 122.92                    | 120.95                  | 127.34                | 124.82                       | 128.08                       | 4.02              | 198.78                               | 0.48         |
| 110                      | 740                                      | 118.54                | 127.58                    | 122.48                  | 127.58                | 123.62                       | 127.92                       | 2.69              | 292.94                               | 0.30         |
| 109                      | 740                                      | 118.05                | 133.98                    | 122.83                  | 127.65                | 123.27                       | 127.86                       | 2.17              | 371.69                               | 0.24         |
| 108                      | 740                                      | 116.37                | 119.34                    | 121.05                  | 127.50                | 122.43                       | 127.83                       | 2.78              | 316.28                               | 0.28         |
| 107                      | 740                                      | 115.61                | 119.72                    | 122.46                  | 127.41                | 123.32                       | 127.80                       | 3.07              | 291.14                               | 0.30         |
| 106                      | 740                                      | 115.47                | 125.39                    | 125.39                  | 127.29                | 121.53                       | 127.76                       | 3.07              | 247.97                               | 0.31         |
| 105.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 105                      | 740                                      | 115.47                | 125.39                    | 125.39                  | 121.73                | 121.53                       | 124.00                       | 6.67              | 110.97                               | 0.95         |
| 104                      | 740                                      | 113.75                | 125.38                    | 120.05                  | 121.71                | 119.67                       | 122.79                       | 4.75              | 169.16                               | 0.56         |
| 103                      | 740                                      | 113.79                | 120.82                    | 120.01                  | 121.58                | 119.62                       | 122.69                       | 4.86              | 172.79                               | 0.57         |
| 102.5                    | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 102                      | 740                                      | 113.79                | 120.82                    | 120.01                  | 120.05                | 119.62                       | 122.29                       | 6.65              | 114.13                               | 0.88         |
| 101                      | 740                                      | 110.49                | 115.60                    | 117.31                  | 119.87                | 118.78                       | 121.36                       | 5.56              | 141.99                               | 0.66         |
| 100                      | 740                                      | 110.22                | 117.28                    | 117.42                  | 118.53                | 118.53                       | 120.98                       | 7.12              | 113.06                               | 0.82         |
| 99                       | 740                                      | 108.16                | 116.32                    | 117.01                  | 118.85                | 116.89                       | 120.01                       | 4.94              | 161.68                               | 0.53         |
| 98                       | 740                                      | 108.26                | 118.65                    | 116.98                  | 118.88                | 116.81                       | 119.98                       | 4.74              | 164.30                               | 0.55         |
| 97                       | 740                                      | 106.43                | 113.32                    | 113.82                  | 118.28                | 115.18                       | 119.61                       | 5.27              | 154.81                               | 0.53         |
| 96.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 96                       | 740                                      | 106.43                | 113.32                    | 113.82                  | 115.18                | 115.18                       | 118.19                       | 7.83              | 100.45                               | 0.94         |
| 95                       | 740                                      | 106.09                | 119.45                    | 113.07                  | 111.75                | 113.58                       | 117.59                       | 10.70             | 69.15                                | 1.78         |
| 94                       | 740                                      | 103.19                | 110.74                    | 111.60                  | 112.13                | 110.22                       | 113.61                       | 5.51              | 146.31                               | 0.63         |
| 93.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 93                       | 740                                      | 103.19                | 110.74                    | 111.60                  | 110.22                | 110.22                       | 113.22                       | 7.67              | 96.44                                | 1.00         |
| 92                       | 740                                      | 102.81                | 110.84                    | 109.41                  | 107.53                | 108.86                       | 112.51                       | 9.88              | 74.90                                | 1.45         |
| 91                       | 740                                      | 101.85                | 108.53                    | 108.55                  | 109.83                | 109.83                       | 111.69                       | 6.29              | 133.05                               | 0.79         |
| 90                       | 740                                      | 100.69                | 108.25                    | 107.64                  | 107.85                | 108.93                       | 111.03                       | 7.92              | 95.86                                | 1.12         |
| 89                       | 740                                      | 99.75                 | 103.87                    | 104.74                  | 107.88                | 107.88                       | 110.12                       | 6.97              | 115.60                               | 0.91         |
| 88                       | 740                                      | 97.51                 | 104.64                    | 106.09                  | 103.78                | 105.88                       | 109.46                       | 10.57             | 70.03                                | 1.65         |
| 87                       | 740                                      | 97.80                 | 101.96                    | 103.01                  | 104.69                | 104.04                       | 106.20                       | 5.52              | 142.91                               | 0.78         |
| 86                       | 740                                      | 97.44                 | 101.41                    | 102.58                  | 104.87                | 103.56                       | 105.79                       | 4.54              | 186.03                               | 0.58         |
| 85                       | 740                                      | 98.55                 | 101.06                    | 103.50                  | 103.51                | 103.51                       | 105.48                       | 6.39              | 122.71                               | 0.95         |
| 84                       | 740                                      | 95.26                 | 101.01                    | 99.60                   | 99.65                 | 101.57                       | 105.09                       | 10.34             | 71.55                                | 1.77         |
| 83                       | 740                                      | 93.51                 | 98.77                     | 100.17                  | 101.78                | 100.06                       | 102.98                       | 4.95              | 166.79                               | 0.62         |
| 82                       | 740                                      | 92.50                 | 98.33                     | 101.67                  | 101.52                | 99.39                        | 102.65                       | 4.81              | 169.45                               | 0.58         |
| 81                       | 740                                      | 89.90                 | 96.28                     | 97.49                   | 101.46                | 98.65                        | 102.12                       | 4.06              | 220.26                               | 0.41         |
| 80.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 80                       | 740                                      | 89.90                 | 96.28                     | 97.49                   | 98.65                 | 98.65                        | 100.92                       | 7.08              | 119.49                               | 0.85         |
| 79                       | 740                                      | 88.81                 | 95.24                     | 92.53                   | 94.73                 | 96.21                        | 99.84                        | 10.07             | 74.99                                | 1.53         |
| 78                       | 740                                      | 86.27                 | 90.30                     | 89.95                   | 91.61                 | 93.24                        | 96.24                        | 9.67              | 80.53                                | 1.52         |
| 77                       | 740                                      | 85.76                 | 88.97                     | 89.00                   | 93.22                 | 93.22                        | 95.44                        | 6.90              | 124.34                               | 0.86         |
| 76                       | 740                                      | 85.24                 | 91.24                     | 96.31                   | 90.33                 | 91.71                        | 94.55                        | 9.09              | 81.37                                | 1.48         |

| Torrente Neva T=500 anni |                                          |                       |                           |                         |                       |                              |                              |                   |                                      |              |
|--------------------------|------------------------------------------|-----------------------|---------------------------|-------------------------|-----------------------|------------------------------|------------------------------|-------------------|--------------------------------------|--------------|
| Sezioni                  | Portata<br>totale<br>(m <sup>3</sup> /s) | Fondo<br>alveo<br>(m) | Argine<br>sinistro<br>(m) | Argine<br>destro<br>(m) | Pelo<br>libero<br>(m) | Profondità<br>critica<br>(m) | Energia<br>(m <sup>2</sup> ) | Velocità<br>(m/s) | Area<br>bagnata<br>(m <sup>2</sup> ) | N°<br>Froude |
| 75                       | 740                                      | 82.20                 | 90.68                     | 84.53                   | 91.38                 | 89.82                        | 92.25                        | 4.60              | 190.36                               | 0.54         |
| 74                       | 740                                      | 79.42                 | 84.21                     | 91.22                   | 91.06                 | 88.38                        | 91.74                        | 4.22              | 220.40                               | 0.46         |
| 73                       | 740                                      | 77.40                 | 88.06                     | 88.68                   | 91.17                 | 86.59                        | 91.51                        | 2.78              | 309.57                               | 0.29         |
| 72.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 72                       | 740                                      | 77.40                 | 88.06                     | 88.68                   | 90.03                 | 86.59                        | 90.58                        | 3.47              | 245.39                               | 0.39         |
| 71                       | 740                                      | 77.85                 | 85.77                     | 84.54                   | 89.33                 | 87.26                        | 90.33                        | 4.77              | 178.36                               | 0.47         |
| 70.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 70                       | 740                                      | 77.85                 | 85.77                     | 84.54                   | 87.26                 | 87.26                        | 89.54                        | 6.88              | 118.96                               | 0.76         |
| 69                       | 740                                      | 75.96                 | 77.26                     | 83.74                   | 79.87                 | 81.85                        | 86.89                        | 12.42             | 65.55                                | 2.15         |
| 68                       | 740                                      | 74.90                 | 82.52                     | 83.78                   | 81.32                 | 81.32                        | 83.72                        | 6.87              | 107.77                               | 1.00         |
| 67                       | 740                                      | 73.51                 | 80.61                     | 76.34                   | 77.88                 | 78.89                        | 81.15                        | 8.42              | 98.94                                | 1.41         |
| 66                       | 740                                      | 72.69                 | 76.20                     | 76.91                   | 78.85                 | 77.82                        | 79.46                        | 3.75              | 231.48                               | 0.53         |
| 65                       | 740                                      | 72.93                 | 75.60                     | 75.52                   | 77.13                 | 77.13                        | 78.85                        | 6.29              | 133.73                               | 1.02         |
| 64                       | 740                                      | 69.32                 | 74.99                     | 74.98                   | 74.51                 | 75.73                        | 78.49                        | 9.03              | 88.40                                | 1.51         |
| 63                       | 740                                      | 66.41                 | 73.65                     | 74.13                   | 73.03                 | 74.27                        | 76.84                        | 8.74              | 90.04                                | 1.42         |
| 62                       | 740                                      | 58.99                 | 73.21                     | 73.46                   | 73.52                 | 68.74                        | 74.32                        | 4.05              | 199.09                               | 0.41         |
| 61.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 61                       | 740                                      | 58.99                 | 72.40                     | 72.46                   | 68.74                 | 68.74                        | 71.86                        | 7.83              | 94.50                                | 1.00         |
| 60                       | 1730                                     | 53.15                 | 67.40                     | 65.14                   | 62.09                 | 63.76                        | 68.13                        | 10.89             | 158.80                               | 1.35         |
| 59                       | 1730                                     | 51.78                 | 65.04                     | 60.69                   | 61.24                 | 58.85                        | 62.70                        | 5.36              | 324.28                               | 0.62         |
| 58                       | 1730                                     | 49.02                 | 58.88                     | 59.03                   | 61.05                 | 57.32                        | 62.00                        | 4.39              | 435.77                               | 0.46         |
| 57.5                     | 1730                                     | 41.33                 | 51.05                     | 52.61                   | 59.55                 | 54.89                        | 60.84                        | 5.17              | 351.53                               | 0.47         |
| 57.3                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 57                       | 1730                                     | 41.33                 | 51.05                     | 52.61                   | 54.89                 | 54.89                        | 58.42                        | 8.49              | 211.69                               | 0.97         |
| 56.5                     | 1730                                     | 37.02                 | 43.07                     | 41.99                   | 50.89                 | 47.66                        | 52.48                        | 6.01              | 352.44                               | 0.53         |
| 56.3                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 56                       | 1730                                     | 37.02                 | 43.07                     | 41.99                   | 47.66                 | 47.66                        | 51.13                        | 8.63              | 236.09                               | 0.87         |
| 55                       | 1730                                     | 35.37                 | 38.33                     | 40.91                   | 44.69                 | 45.90                        | 49.66                        | 10.58             | 189.21                               | 1.19         |
| 54                       | 1730                                     | 32.51                 | 37.34                     | 37.61                   | 38.89                 | 40.27                        | 43.09                        | 9.22              | 200.77                               | 1.44         |
| 53                       | 1730                                     | 30.93                 | 38.76                     | 51.48                   | 39.07                 | 39.07                        | 41.47                        | 6.87              | 254.53                               | 0.96         |
| 52.1                     | 1730                                     | 31.71                 | 37.94                     | 36.53                   | 35.94                 | 37.31                        | 40.19                        | 9.14              | 189.36                               | 1.58         |
| 52                       | 1730                                     | 30.98                 | 37.94                     | 36.53                   | 35.72                 | 37.17                        | 40.17                        | 9.34              | 185.14                               | 1.63         |
| 51                       | 1730                                     | 29.78                 | 35.11                     | 39.48                   | 38.16                 | 35.81                        | 39.13                        | 4.40              | 402.26                               | 0.54         |
| 50.1                     | 1730                                     | 31.00                 | 34.99                     | 34.71                   | 37.20                 | 36.74                        | 38.92                        | 5.90              | 308.52                               | 0.82         |
| 50                       | 1730                                     | 29.96                 | 34.99                     | 34.71                   | 37.47                 | 36.31                        | 38.80                        | 5.20              | 350.40                               | 0.68         |
| 49.1                     | 1730                                     | 30.96                 | 34.99                     | 34.71                   | 36.88                 | 36.69                        | 38.75                        | 6.18              | 295.89                               | 0.88         |
| 49                       | 1730                                     | 28.49                 | 34.99                     | 34.71                   | 37.52                 | 35.44                        | 38.47                        | 4.41              | 414.26                               | 0.53         |
| 48                       | 1730                                     | 28.54                 | 34.87                     | 32.97                   | 37.57                 | 35.58                        | 38.37                        | 4.22              | 460.86                               | 0.49         |
| 47                       | 1730                                     | 27.76                 | 32.30                     | 34.71                   | 37.42                 | 34.67                        | 38.31                        | 4.30              | 432.93                               | 0.49         |
| 46                       | 1730                                     | 27.25                 | 30.19                     | 35.60                   | 36.20                 | 35.23                        | 38.08                        | 6.50              | 296.30                               | 0.76         |
| 45.1                     | 1730                                     | 24.62                 | 30.88                     | 37.91                   | 36.48                 | 34.57                        | 37.55                        | 4.86              | 392.47                               | 0.55         |
| 45                       | 1730                                     | 28.33                 | 30.87                     | 35.90                   | 35.60                 | 35.24                        | 37.47                        | 6.44              | 296.94                               | 0.83         |
| 44.1                     | 1730                                     | 28.30                 | 31.42                     | 35.90                   | 35.25                 | 35.25                        | 37.43                        | 6.96              | 275.81                               | 0.92         |
| 44                       | 1730                                     | 24.31                 | 31.42                     | 35.90                   | 33.08                 | 34.46                        | 37.23                        | 9.23              | 199.42                               | 1.25         |
| 43                       | 1730                                     | 24.33                 | 30.23                     | 31.45                   | 30.73                 | 31.90                        | 34.59                        | 8.86              | 210.39                               | 1.71         |
| 42.1                     | 1730                                     | 24.13                 | 29.98                     | 31.31                   | 30.56                 | 31.37                        | 33.40                        | 7.63              | 246.81                               | 1.22         |
| 42                       | 1730                                     | 23.65                 | 29.98                     | 31.31                   | 30.42                 | 31.31                        | 33.39                        | 7.75              | 240.55                               | 1.24         |
| 41.1                     | 1730                                     | 23.63                 | 29.49                     | 33.85                   | 31.27                 | 31.27                        | 32.84                        | 6.03              | 343.06                               | 0.80         |
| 41                       | 1730                                     | 21.16                 | 29.49                     | 33.85                   | 30.28                 | 30.92                        | 32.75                        | 7.22              | 277.39                               | 0.96         |
| 40                       | 1730                                     | 22.11                 | 29.33                     | 28.42                   | 28.67                 | 29.46                        | 31.46                        | 7.40              | 234.92                               | 1.08         |
| 39                       | 1730                                     | 20.19                 | 26.54                     | 27.91                   | 26.28                 | 27.46                        | 29.74                        | 8.25              | 209.73                               | 1.31         |
| 38                       | 1730                                     | 19.33                 | 23.62                     | 24.93                   | 26.86                 | 27.00                        | 28.46                        | 6.21              | 353.45                               | 0.82         |
| 37                       | 1730                                     | 19.46                 | 24.67                     | 25.41                   | 26.17                 | 25.97                        | 27.58                        | 5.43              | 359.12                               | 0.76         |
| 36                       | 1730                                     | 19.18                 | 24.89                     | 24.93                   | 25.38                 | 25.38                        | 26.95                        | 5.75              | 334.14                               | 0.85         |
| 35                       | 1730                                     | 19.06                 | 24.69                     | 24.25                   | 23.59                 | 24.39                        | 26.36                        | 7.37              | 234.74                               | 1.25         |

| Torrente Neva T=500 anni |                                          |                       |                           |                         |                       |                              |                              |                   |                                      |              |
|--------------------------|------------------------------------------|-----------------------|---------------------------|-------------------------|-----------------------|------------------------------|------------------------------|-------------------|--------------------------------------|--------------|
| Sezioni                  | Portata<br>totale<br>(m <sup>3</sup> /s) | Fondo<br>alveo<br>(m) | Argine<br>sinistro<br>(m) | Argine<br>destro<br>(m) | Pelo<br>libero<br>(m) | Profondità<br>critica<br>(m) | Energia<br>(m <sup>2</sup> ) | Velocità<br>(m/s) | Area<br>bagnata<br>(m <sup>2</sup> ) | N°<br>Froude |
| 34                       | 1730                                     | 18.76                 | 22.81                     | 23.67                   | 24.16                 | 22.89                        | 24.80                        | 3.80              | 515.52                               | 0.56         |
| 33                       | 1730                                     | 17.60                 | 27.65                     | 23.17                   | 22.45                 | 22.45                        | 24.09                        | 5.68              | 304.71                               | 1.00         |
| 32                       | 1730                                     | 16.65                 | 22.63                     | 22.37                   | 22.45                 | 21.65                        | 23.47                        | 4.61              | 401.34                               | 0.69         |
| 31                       | 1730                                     | 16.52                 | 21.60                     | 21.50                   | 22.42                 | 21.50                        | 23.05                        | 3.75              | 523.16                               | 0.56         |
| 30                       | 1730                                     | 16.25                 | 21.83                     | 21.02                   | 22.42                 | 21.17                        | 22.84                        | 3.18              | 653.32                               | 0.46         |
| 29.1                     | 1730                                     | 16.83                 | 21.36                     | 20.47                   | 21.30                 | 20.49                        | 22.57                        | 5.12              | 357.02                               | 0.80         |
| 29                       | 1730                                     | 13.64                 | 21.36                     | 20.47                   | 21.86                 | 18.61                        | 22.33                        | 3.11              | 613.78                               | 0.38         |
| 28                       | 1730                                     | 15.43                 | 20.82                     | 20.20                   | 21.61                 | 20.20                        | 22.29                        | 3.82              | 490.95                               | 0.53         |
| 27.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 27                       | 1730                                     | 14.89                 | 20.71                     | 20.37                   | 20.19                 | 20.19                        | 22.09                        | 6.11              | 283.14                               | 1.00         |
| 26                       | 1730                                     | 13.81                 | 20.29                     | 19.56                   | 19.56                 | 19.56                        | 20.46                        | 4.56              | 441.19                               | 0.76         |
| 25.1                     | 1730                                     | 14.93                 | 19.50                     | 18.79                   | 19.44                 | 18.79                        | 19.89                        | 3.17              | 597.11                               | 0.50         |
| 25                       | 1730                                     | 13.97                 | 19.50                     | 18.79                   | 19.52                 | 18.28                        | 19.86                        | 2.83              | 707.17                               | 0.41         |
| 24                       | 1730                                     | 13.26                 | 18.61                     | 17.83                   | 19.47                 | 17.83                        | 19.69                        | 2.24              | 854.91                               | 0.33         |
| 23                       | 1730                                     | 13.08                 | 18.27                     | 17.48                   | 19.49                 | 17.48                        | 19.64                        | 1.83              | 1059.31                              | 0.26         |
| 22                       | 1730                                     | 13.50                 | 17.21                     | 17.19                   | 18.74                 | 17.50                        | 19.56                        | 4.07              | 446.06                               | 0.59         |
| 21.5                     | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 21                       | 1730                                     | 13.53                 | 18.12                     | 17.12                   | 18.35                 | 17.60                        | 19.44                        | 4.69              | 380.87                               | 0.73         |
| 20                       | 1730                                     | 13.69                 | 17.14                     | 17.01                   | 18.40                 | 17.17                        | 19.28                        | 4.24              | 423.74                               | 0.64         |
| 19                       | 1730                                     | 12.72                 | 17.14                     | 17.01                   | 18.57                 | 16.69                        | 19.21                        | 3.60              | 500.08                               | 0.49         |
| 18                       | 1730                                     | 12.88                 | 17.11                     | 15.82                   | 16.99                 | 16.99                        | 18.79                        | 5.97              | 293.75                               | 0.99         |
| 17                       | 1730                                     | 12.08                 | 17.11                     | 15.82                   | 17.46                 | 16.41                        | 18.54                        | 4.63              | 379.58                               | 0.68         |
| 16                       | 1730                                     | 12.39                 | 16.59                     | 16.24                   | 17.09                 | 16.40                        | 18.20                        | 4.75              | 380.78                               | 0.73         |
| 15                       | 1730                                     | 11.96                 | 16.59                     | 16.24                   | 17.26                 | 15.95                        | 18.12                        | 4.18              | 432.73                               | 0.60         |
| 14                       | 1730                                     | 11.92                 | 16.39                     | 15.20                   | 15.89                 | 15.89                        | 17.61                        | 5.86              | 302.07                               | 0.97         |
| 13                       | 1730                                     | 11.36                 | 16.39                     | 15.20                   | 14.54                 | 15.36                        | 17.49                        | 7.61              | 227.45                               | 1.42         |
| 12                       | 1730                                     | 11.02                 | 15.40                     | 14.37                   | 16.01                 | 14.62                        | 16.76                        | 3.95              | 464.71                               | 0.58         |
| 11                       | 1730                                     | 9.95                  | 15.40                     | 14.37                   | 16.16                 | 14.01                        | 16.69                        | 3.36              | 550.24                               | 0.45         |
| 10                       | 1730                                     | 10.18                 | 14.87                     | 13.47                   | 15.88                 | 13.94                        | 16.46                        | 3.52              | 523.79                               | 0.49         |
| 9                        | 1730                                     | 9.10                  | 14.87                     | 13.47                   | 15.98                 | 13.12                        | 16.42                        | 3.05              | 606.35                               | 0.39         |
| 8                        | 1730                                     | 9.03                  | 16.85                     | 16.63                   | 15.42                 | 13.39                        | 16.19                        | 3.88              | 445.96                               | 0.53         |
| 7.5                      | Bridge                                   |                       |                           |                         |                       |                              |                              |                   |                                      |              |
| 7                        | 1730                                     | 9.00                  | 16.81                     | 16.60                   | 12.31                 | 13.35                        | 15.87                        | 8.36              | 206.88                               | 1.59         |
| 6                        | 1730                                     | 8.95                  | 13.67                     | 13.53                   | 12.55                 | 13.24                        | 15.33                        | 7.38              | 234.47                               | 1.36         |
| 5                        | 1730                                     | 8.26                  | 13.67                     | 13.53                   | 11.64                 | 12.70                        | 15.23                        | 8.40              | 205.91                               | 1.64         |
| 4                        | 1730                                     | 6.96                  | 13.74                     | 12.86                   | 13.25                 | 12.06                        | 14.28                        | 4.57              | 395.64                               | 0.65         |
| 3                        | 1730                                     | 6.53                  | 13.62                     | 12.48                   | 12.84                 | 11.87                        | 13.94                        | 4.68              | 377.19                               | 0.70         |
| 2                        | 1730                                     | 5.87                  | 11.43                     | 11.38                   | 11.12                 | 11.00                        | 12.89                        | 5.89              | 293.47                               | 0.96         |
| 1                        | 1730                                     | 4.96                  | 10.73                     | 8.35                    | 10.39                 | 9.10                         | 11.23                        | 4.12              | 432.74                               | 0.60         |