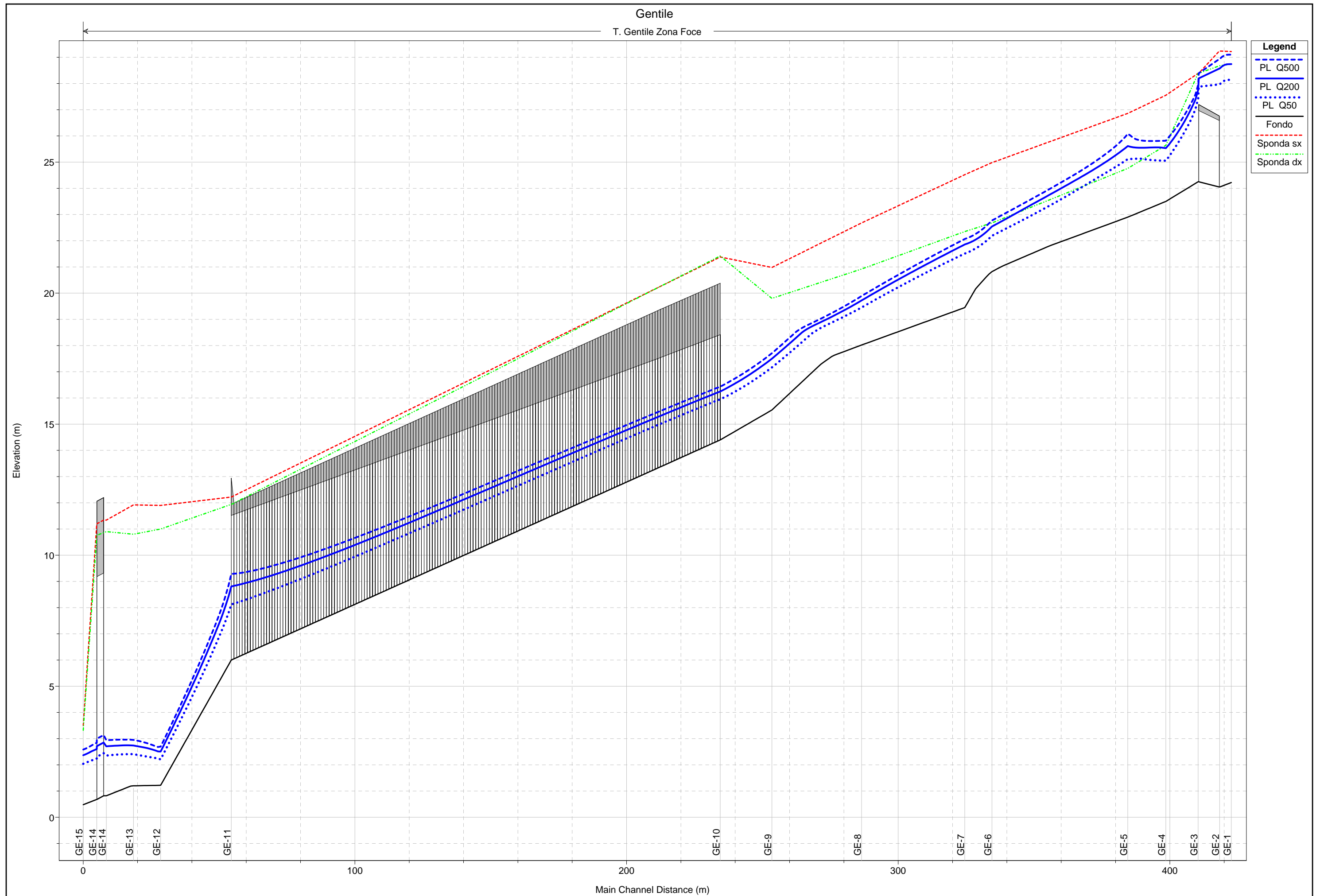


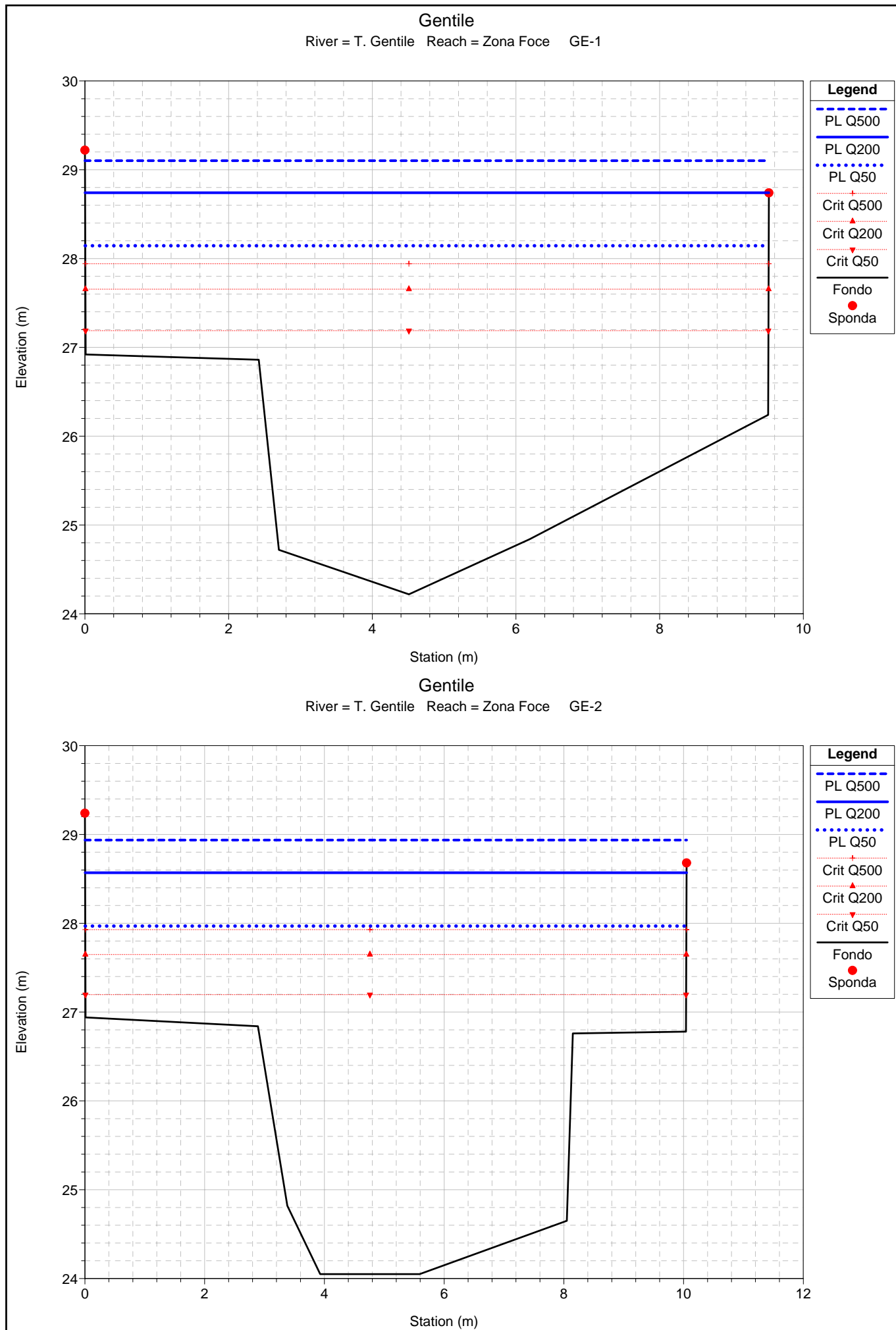
Torrente Gentile

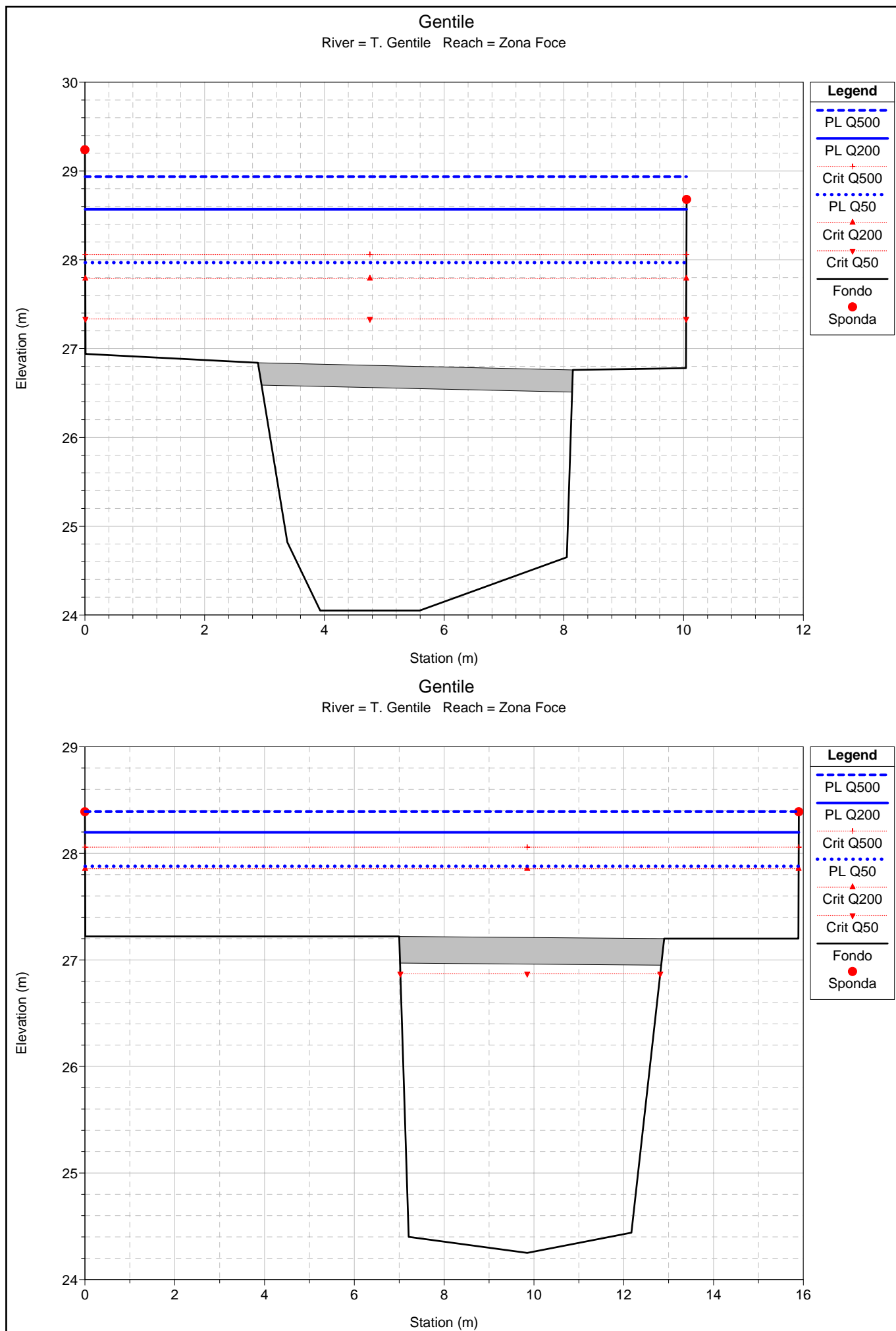
loc. Camogli

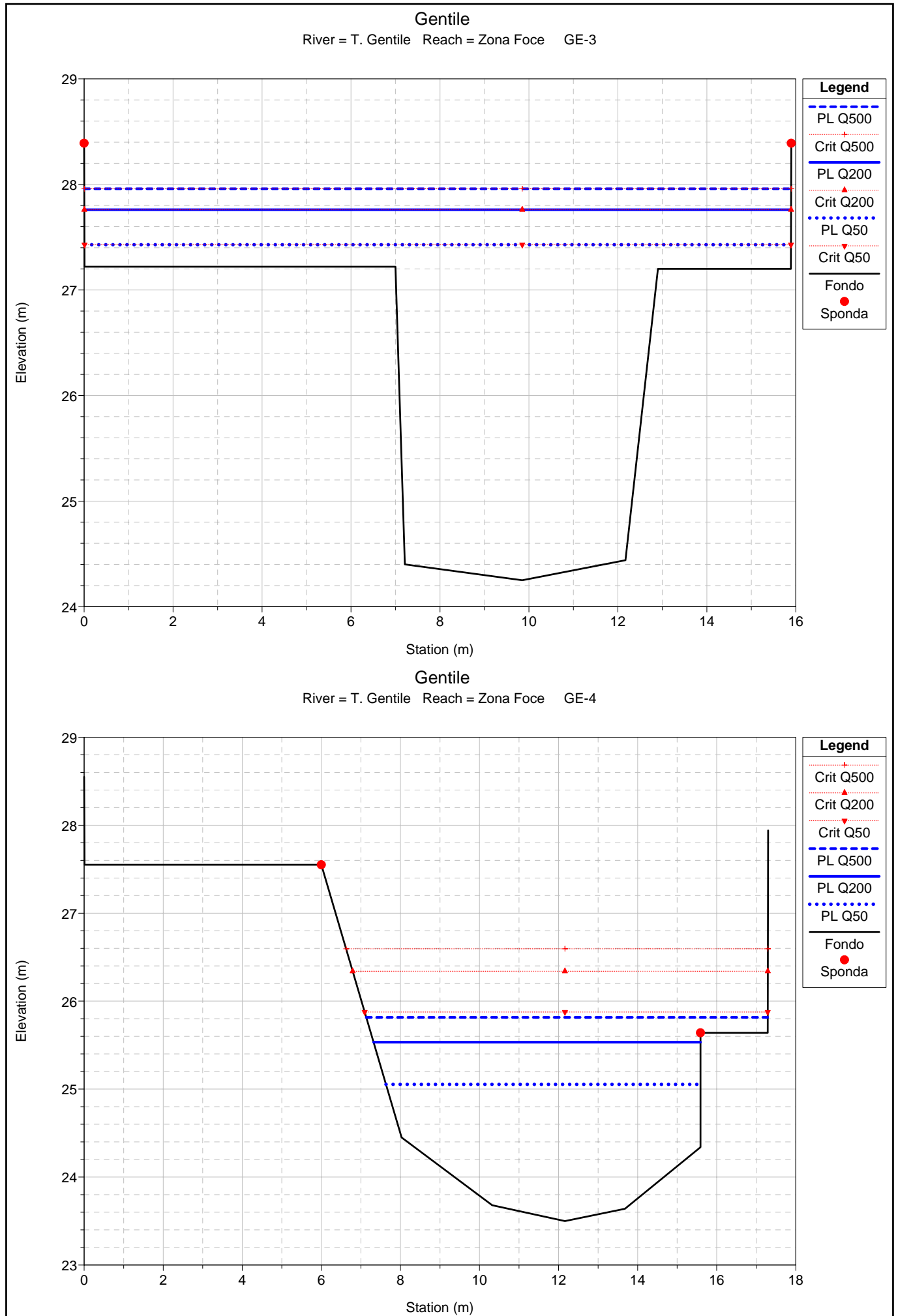
dalla sezione GE-S1 alla GE-S15

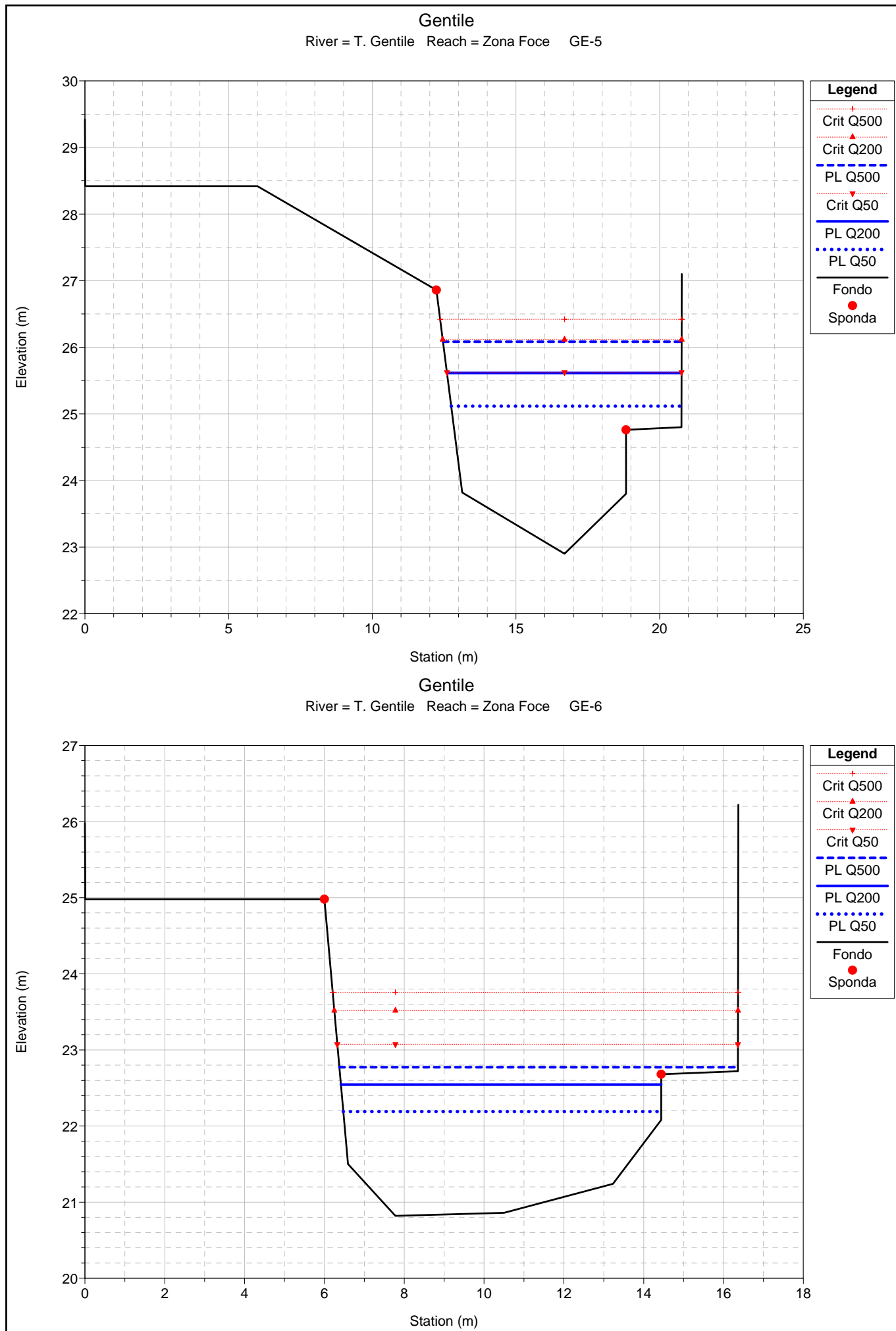
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

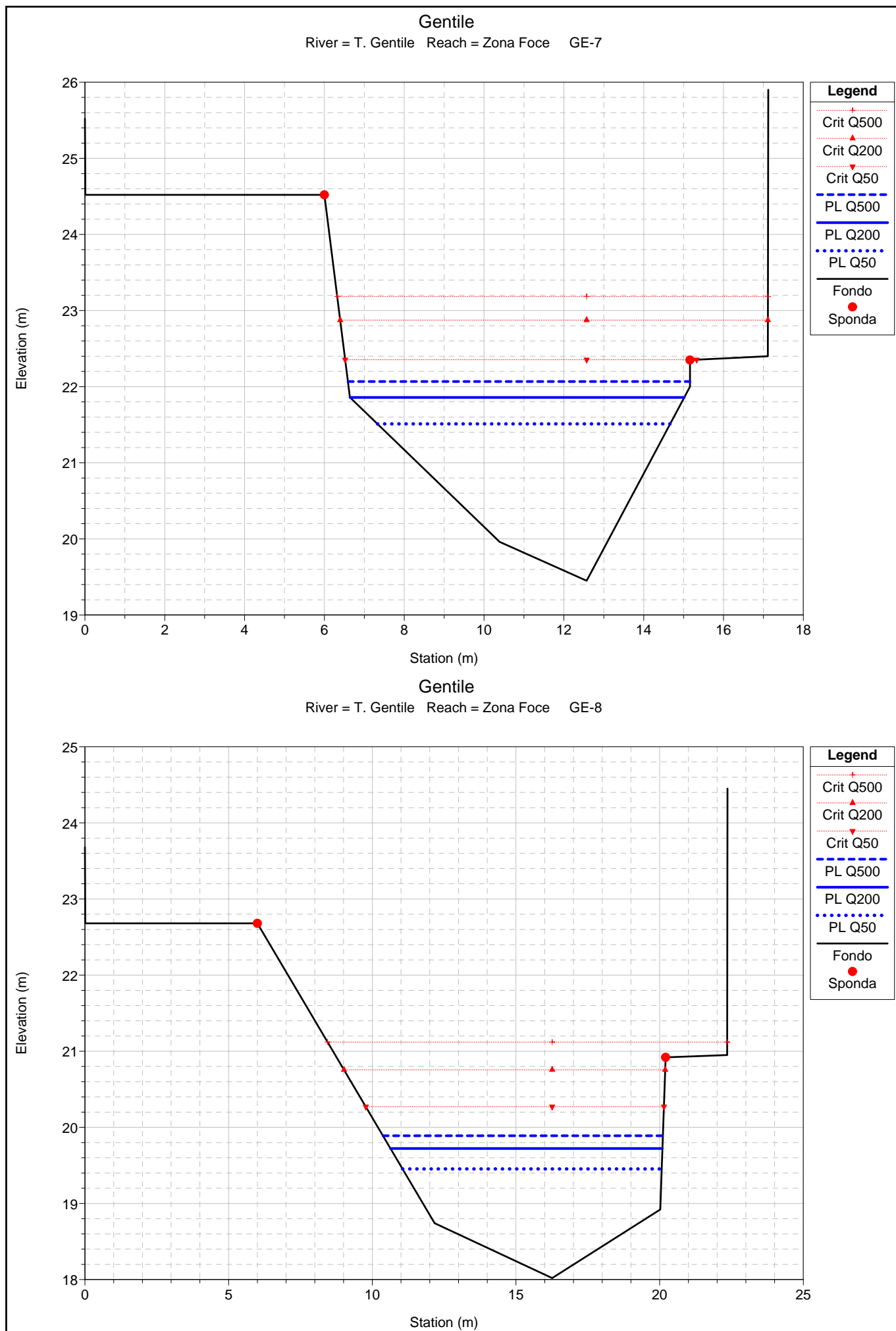


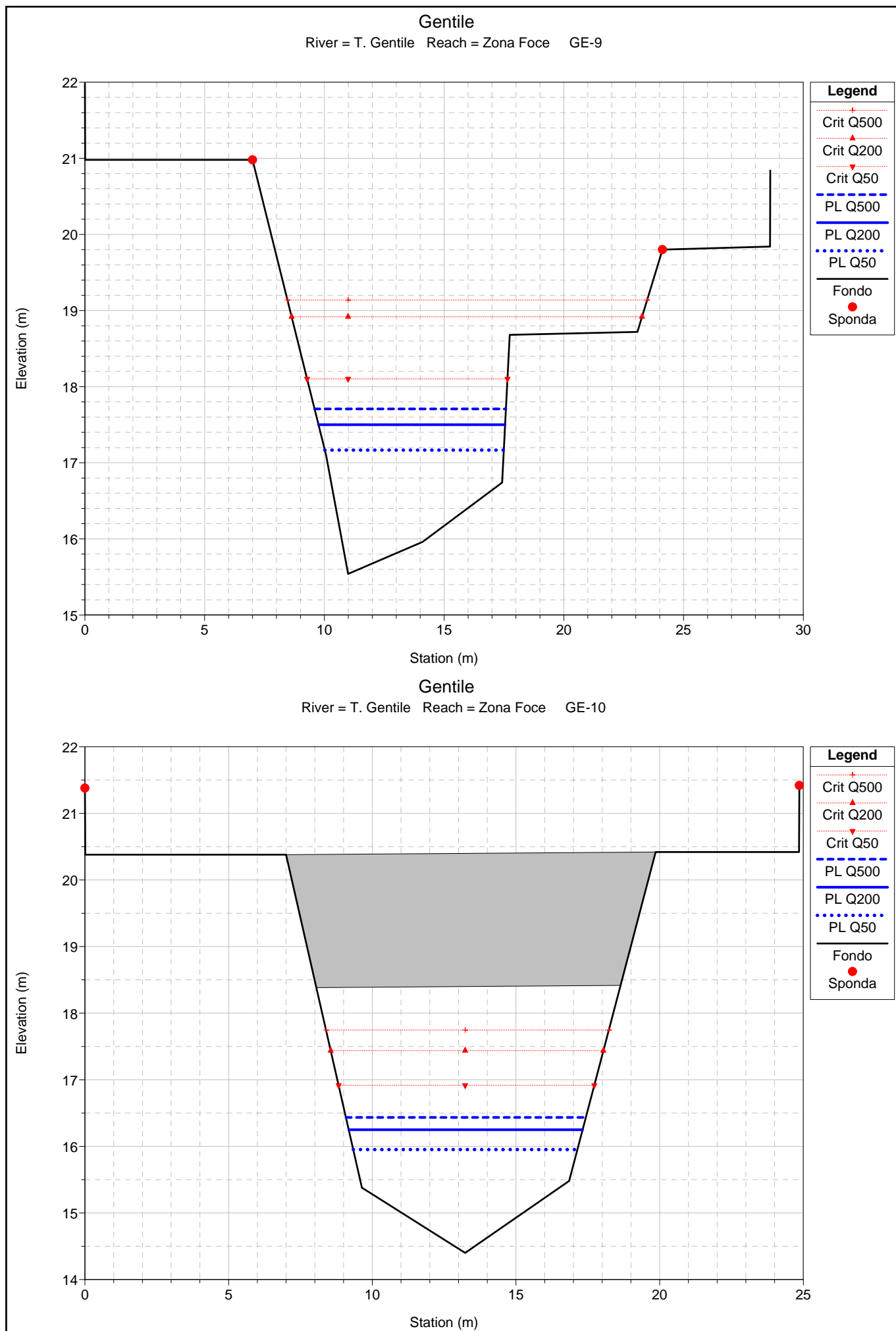


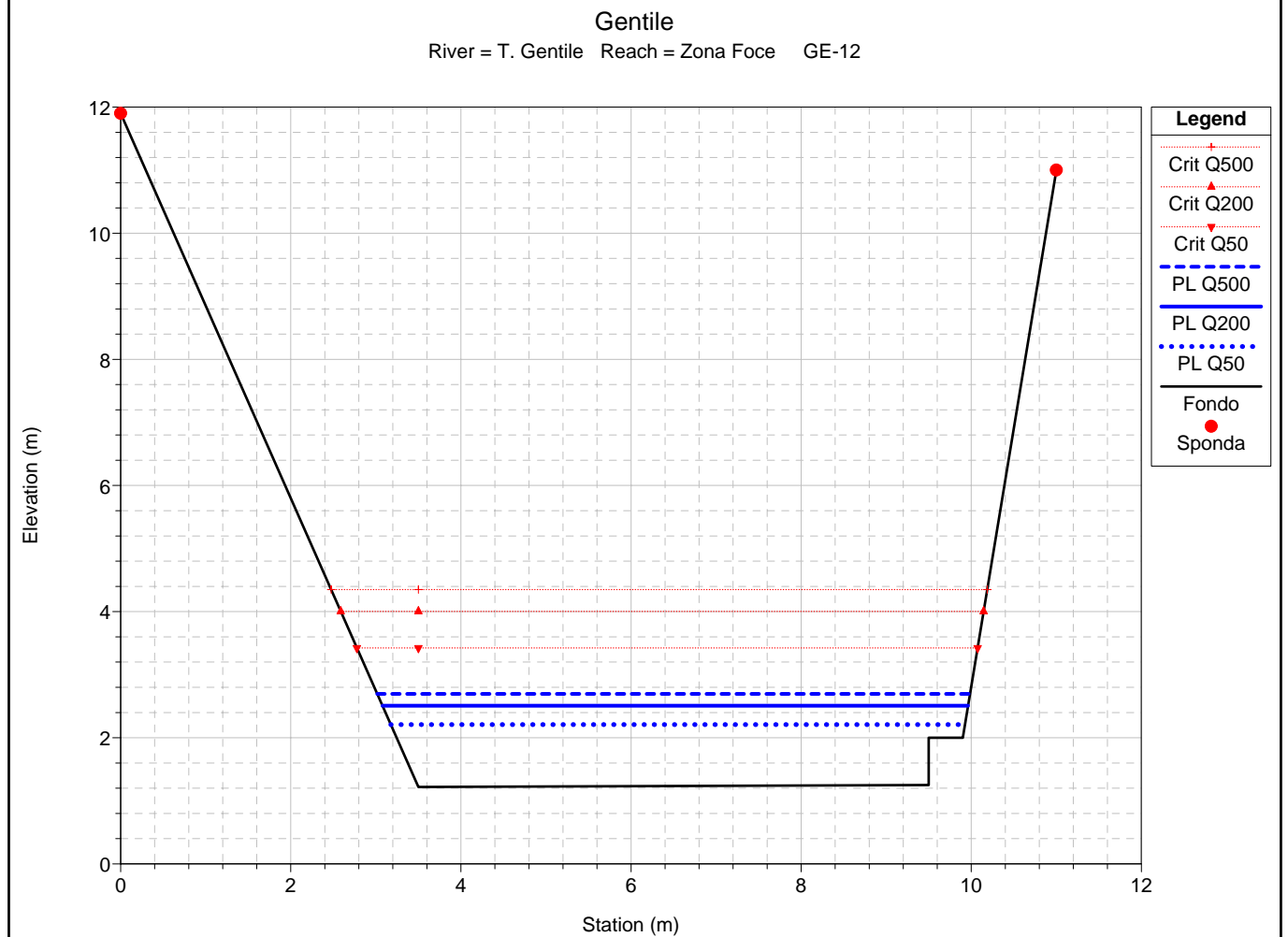
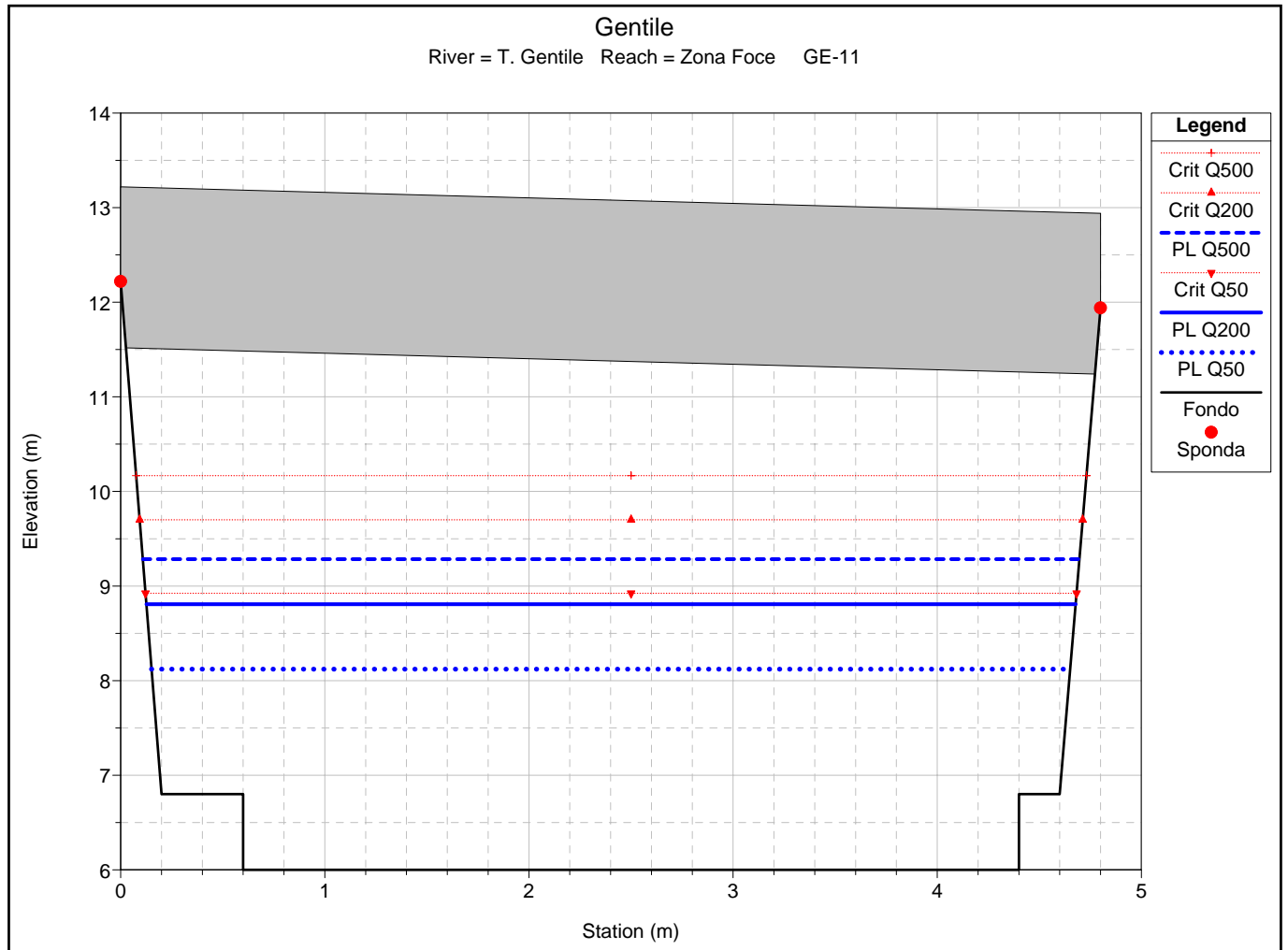


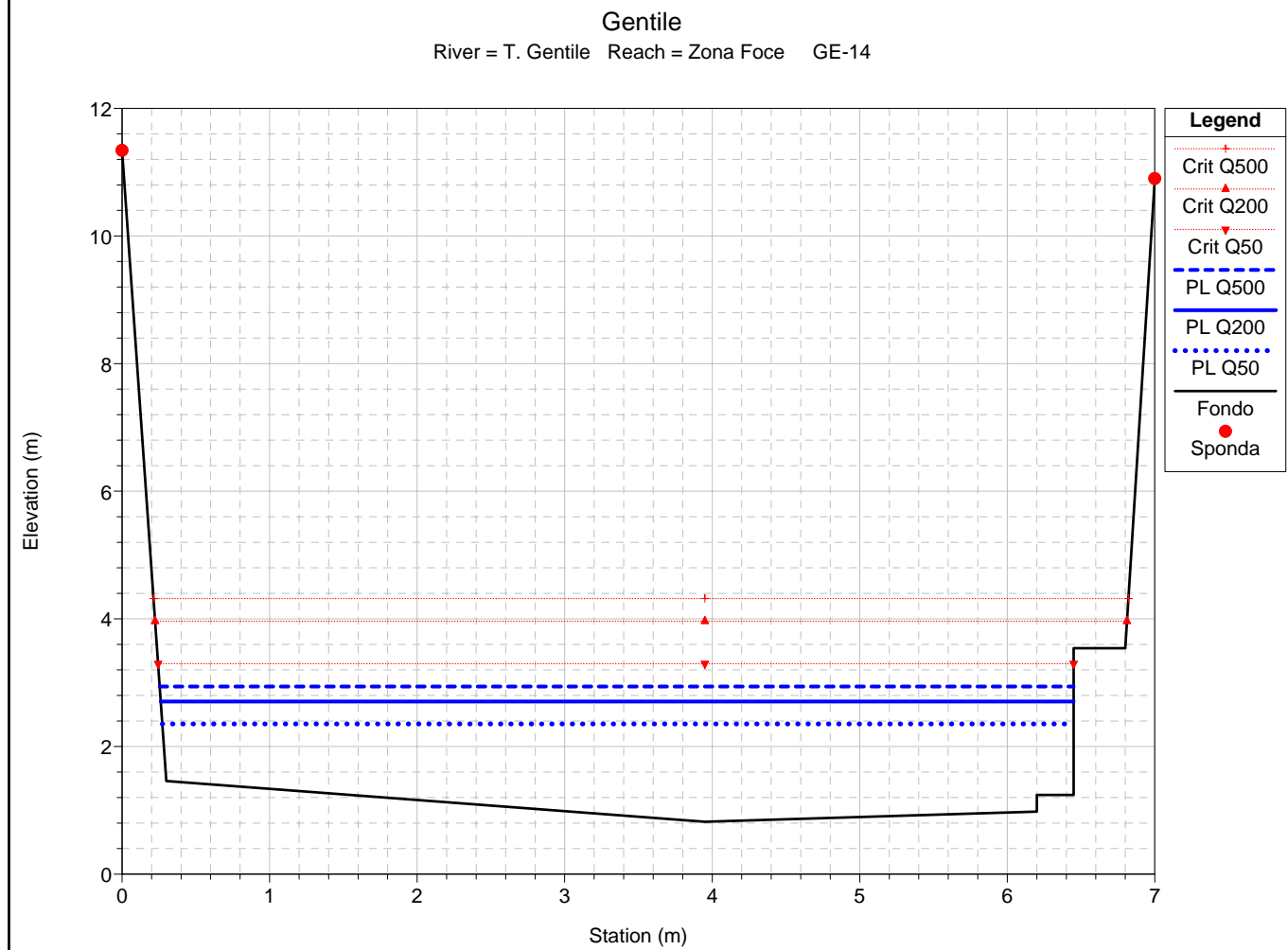
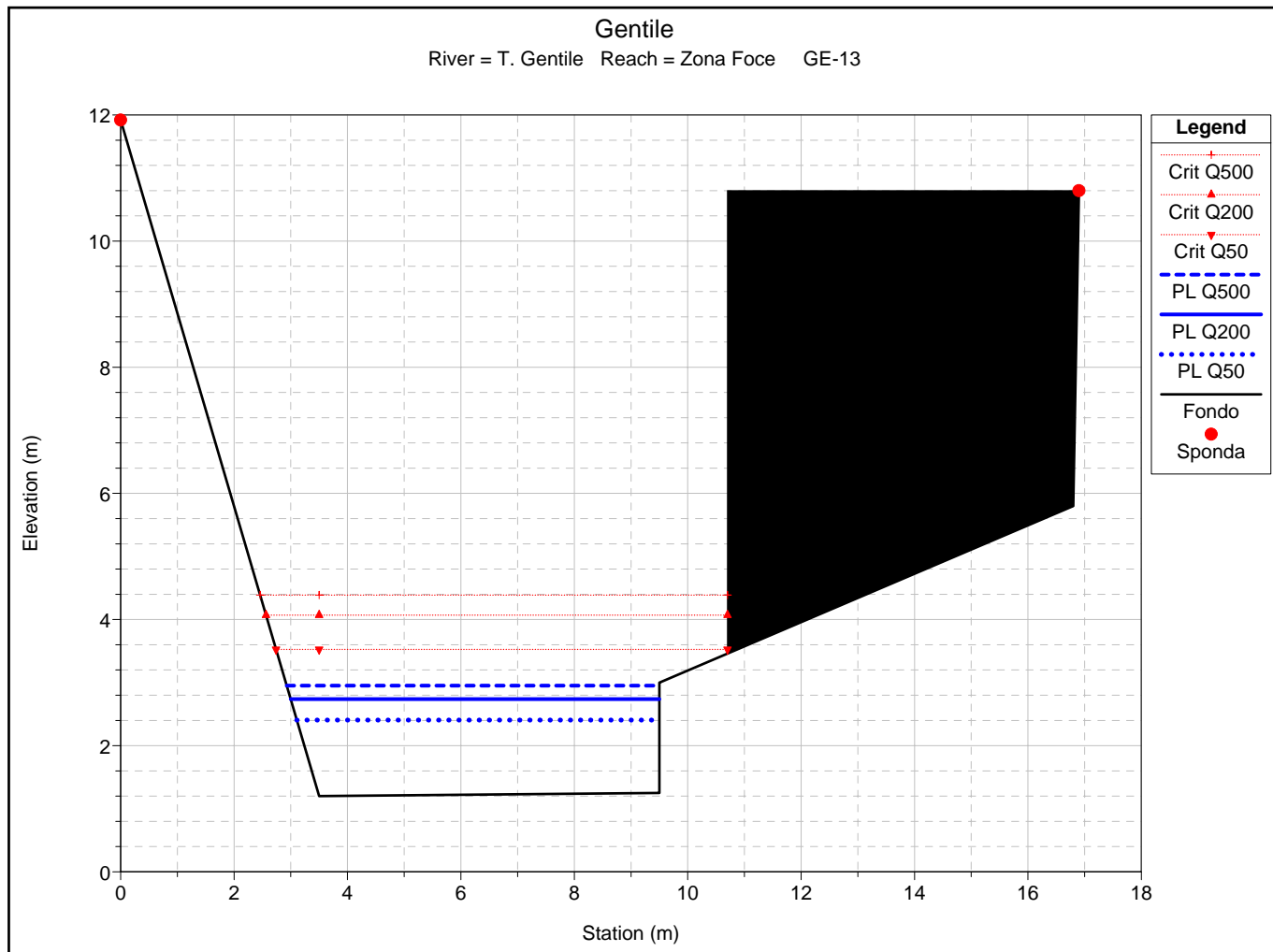


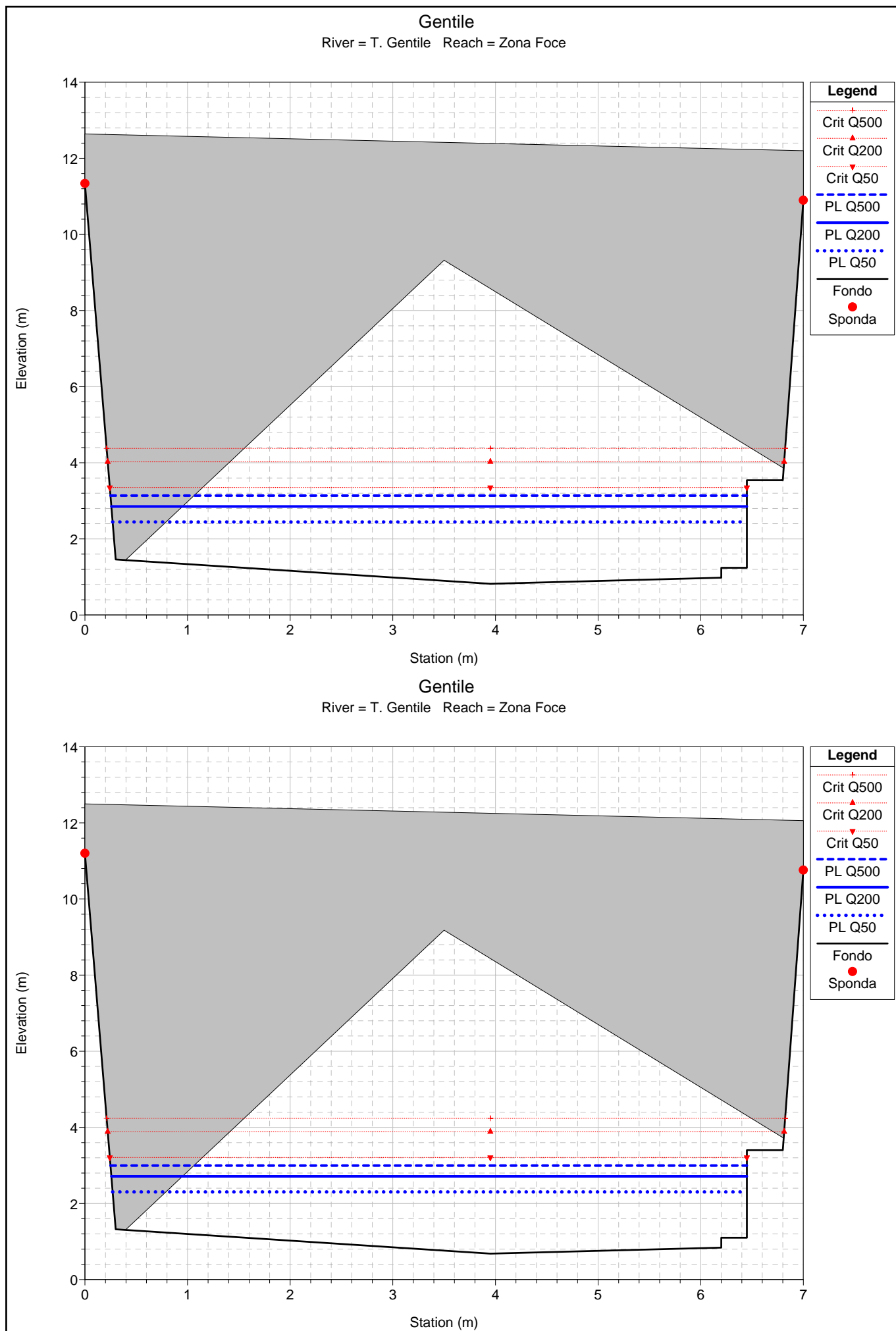


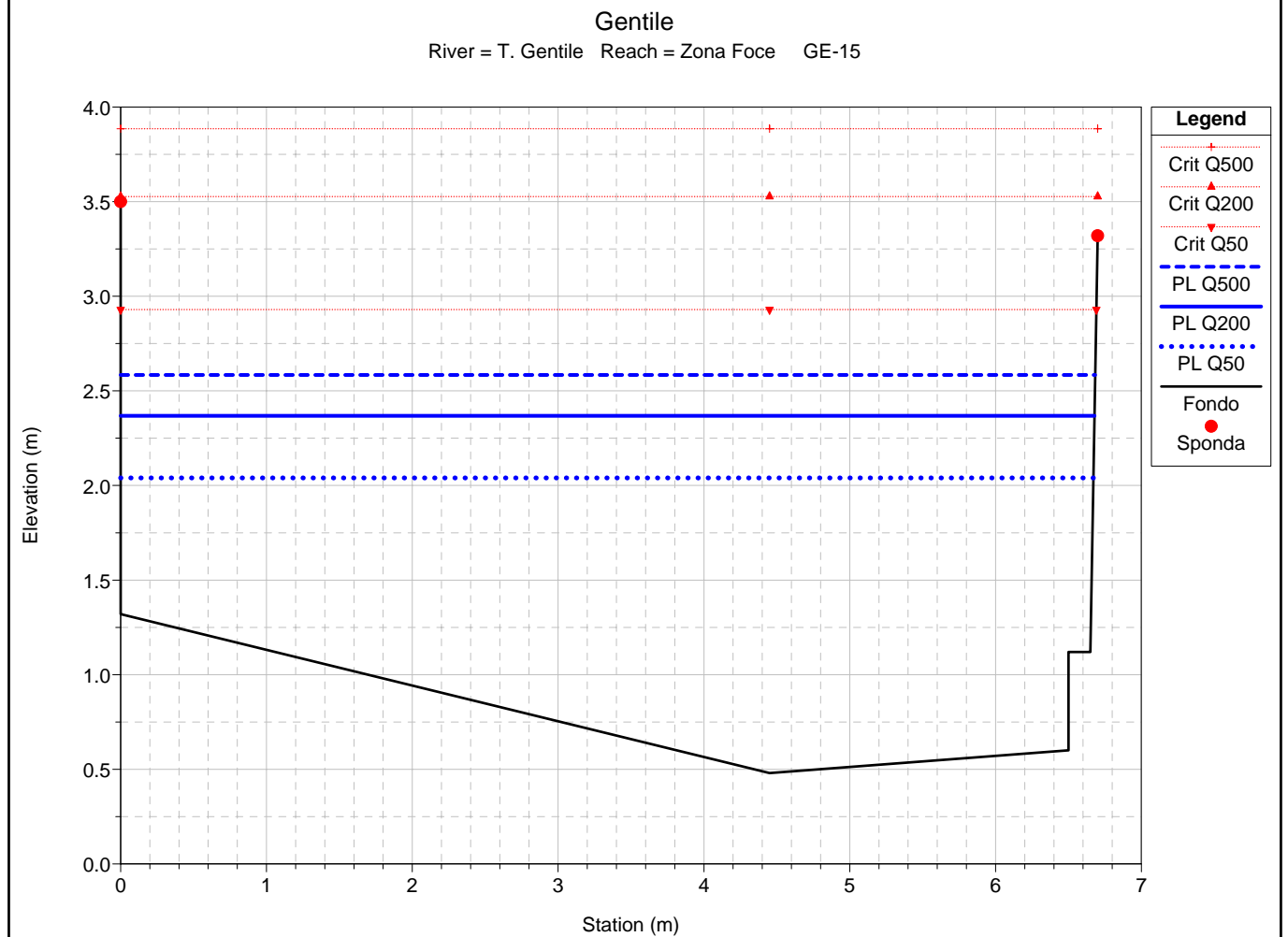
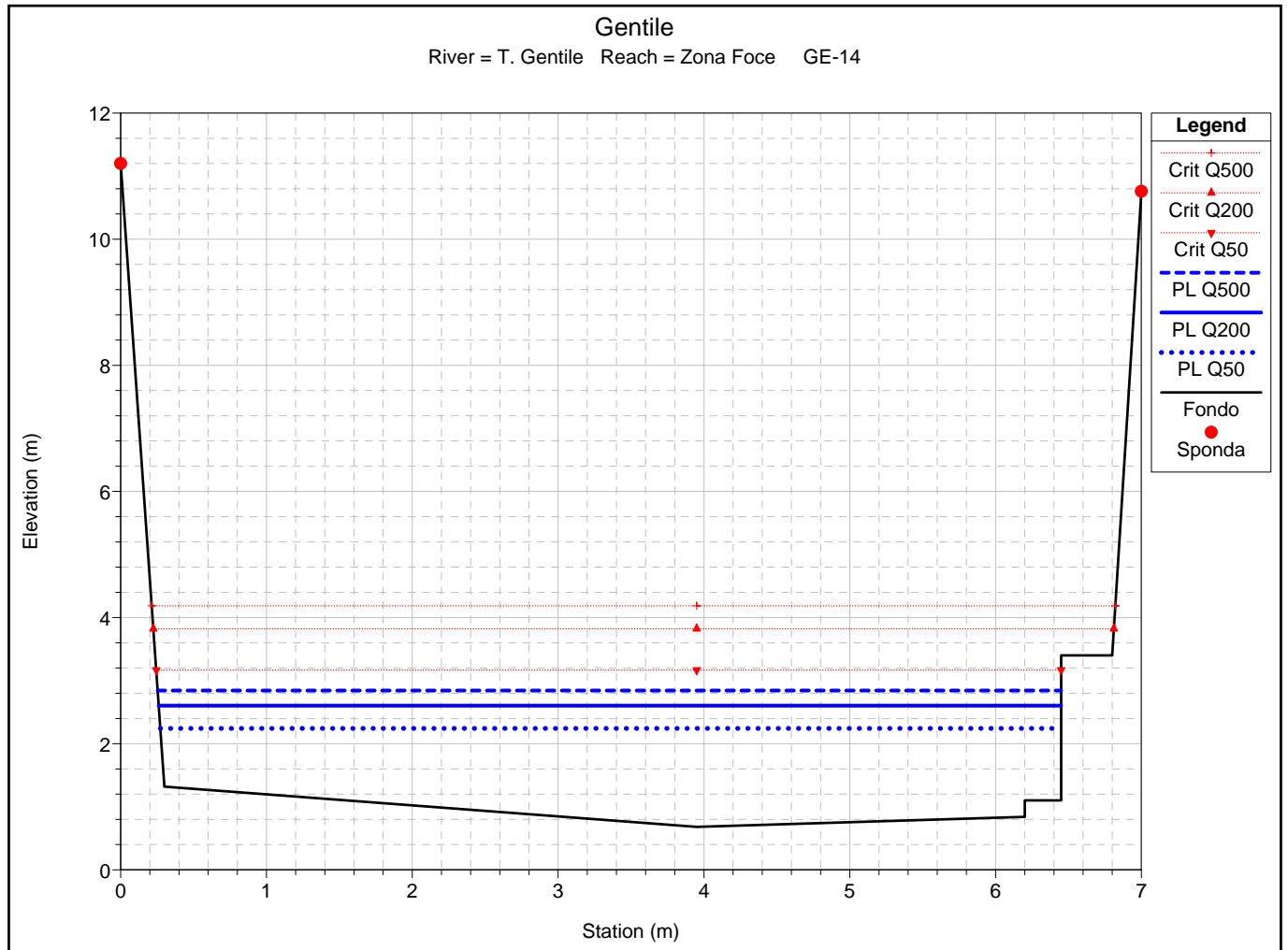












HEC-RAS Plan: Dalla15-Q50 River: T. Gentile Reach: Zona Foce

| Reach | River Sta | | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | LOB Elev (m) | L. Freeboard (m) | ROB Elev (m) | R. Freeboard (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl |
|-----------|-----------|-------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| Zona Foce | 15 | GE-1 | Q500 | 113.50 | 24.22 | 29.10 | 29.22 | 0.12 | 28.74 | -0.36 | 27.94 | 29.66 | 0.002372 | 3.32 | 34.17 | 9.52 | 0.56 |
| Zona Foce | 15 | GE-1 | Q200 | 94.30 | 24.22 | 28.74 | 29.22 | 0.48 | 28.74 | 0.00 | 27.66 | 29.22 | 0.002226 | 3.07 | 30.74 | 9.52 | 0.54 |
| Zona Foce | 15 | GE-1 | Q50 | 65.20 | 24.22 | 28.14 | 29.22 | 1.08 | 28.74 | 0.60 | 27.19 | 28.49 | 0.001941 | 2.60 | 25.07 | 9.51 | 0.51 |
| Zona Foce | 14 | GE-2 | Q500 | 113.50 | 24.05 | 28.94 | 29.24 | 0.30 | 28.68 | -0.26 | 27.93 | 29.52 | 0.079593 | 3.37 | 33.73 | 10.05 | 0.59 |
| Zona Foce | 14 | GE-2 | Q200 | 94.30 | 24.05 | 28.57 | 29.24 | 0.67 | 28.68 | 0.11 | 27.65 | 29.07 | 0.080567 | 3.14 | 30.04 | 10.05 | 0.58 |
| Zona Foce | 14 | GE-2 | Q50 | 65.20 | 24.05 | 27.97 | 29.24 | 1.27 | 28.68 | 0.71 | 27.20 | 28.35 | 0.080906 | 2.72 | 24.00 | 10.04 | 0.56 |
| Zona Foce | 13.5 | | Bridge | | | | | | | | | | | | | | |
| Zona Foce | 13 | GE-3 | Q500 | 113.50 | 24.25 | 27.96 | 28.39 | 0.43 | 28.39 | 0.43 | 27.96 | 28.83 | 0.005494 | 4.14 | 27.44 | 15.89 | 1.01 |
| Zona Foce | 13 | GE-3 | Q200 | 94.30 | 24.25 | 27.76 | 28.39 | 0.63 | 28.39 | 0.63 | 27.76 | 28.53 | 0.005575 | 3.88 | 24.27 | 15.89 | 1.00 |
| Zona Foce | 13 | GE-3 | Q50 | 65.20 | 24.25 | 27.43 | 28.39 | 0.96 | 28.39 | 0.96 | 27.43 | 28.03 | 0.005795 | 3.43 | 19.00 | 15.88 | 1.00 |
| Zona Foce | 12 | GE-4 | Q500 | 113.50 | 23.50 | 25.82 | 27.55 | 1.73 | 25.64 | -0.18 | 26.60 | 28.45 | 0.023683 | 7.21 | 15.92 | 10.16 | 1.69 |
| Zona Foce | 12 | GE-4 | Q200 | 94.30 | 23.50 | 25.53 | 27.55 | 2.02 | 25.64 | 0.11 | 26.34 | 28.11 | 0.027552 | 7.12 | 13.25 | 8.27 | 1.79 |
| Zona Foce | 12 | GE-4 | Q50 | 65.20 | 23.50 | 25.05 | 27.55 | 2.50 | 25.64 | 0.59 | 25.88 | 27.52 | 0.037357 | 6.96 | 9.36 | 7.96 | 2.05 |
| Zona Foce | 11 | GE-5 | Q500 | 113.50 | 22.90 | 26.08 | 26.86 | 0.78 | 24.76 | -1.32 | 26.42 | 28.00 | 0.011226 | 5.80 | 18.81 | 8.31 | 1.16 |
| Zona Foce | 11 | GE-5 | Q200 | 94.30 | 22.90 | 25.61 | 26.86 | 1.25 | 24.76 | -0.85 | 26.12 | 27.64 | 0.016248 | 6.25 | 14.96 | 8.16 | 1.36 |
| Zona Foce | 11 | GE-5 | Q50 | 65.20 | 22.90 | 25.12 | 26.86 | 1.74 | 24.76 | -0.36 | 25.63 | 26.96 | 0.020656 | 6.07 | 10.94 | 8.02 | 1.49 |
| Zona Foce | 10 | GE-6 | Q500 | 113.50 | 20.82 | 22.77 | 24.98 | 2.21 | 22.68 | -0.09 | 23.76 | 26.42 | 0.038074 | 8.47 | 13.51 | 9.99 | 2.10 |
| Zona Foce | 10 | GE-6 | Q200 | 94.30 | 20.82 | 22.54 | 24.98 | 2.44 | 22.68 | 0.14 | 23.52 | 25.96 | 0.041691 | 8.18 | 11.52 | 8.03 | 2.18 |
| Zona Foce | 10 | GE-6 | Q50 | 65.20 | 20.82 | 22.19 | 24.98 | 2.79 | 22.68 | 0.49 | 23.08 | 25.05 | 0.046919 | 7.50 | 8.70 | 7.97 | 2.29 |
| Zona Foce | 9 | GE-7 | Q500 | 113.50 | 19.45 | 22.07 | 24.52 | 2.45 | 22.35 | 0.28 | 23.18 | 25.97 | 0.045718 | 8.75 | 12.98 | 8.57 | 2.27 |
| Zona Foce | 9 | GE-7 | Q200 | 94.30 | 19.45 | 21.86 | 24.52 | 2.66 | 22.35 | 0.49 | 22.88 | 25.47 | 0.048929 | 8.42 | 11.20 | 8.37 | 2.32 |
| Zona Foce | 9 | GE-7 | Q50 | 65.20 | 19.45 | 21.51 | 24.52 | 3.01 | 22.35 | 0.84 | 22.35 | 24.53 | 0.049529 | 7.70 | 8.46 | 7.33 | 2.29 |
| Zona Foce | 8 | GE-8 | Q500 | 113.50 | 18.02 | 19.89 | 22.68 | 2.79 | 20.92 | 1.03 | 21.12 | 24.03 | 0.053592 | 9.02 | 12.59 | 9.74 | 2.53 |
| Zona Foce | 8 | GE-8 | Q200 | 94.30 | 18.02 | 19.72 | 22.68 | 2.96 | 20.92 | 1.20 | 20.76 | 23.48 | 0.055445 | 8.59 | 10.98 | 9.46 | 2.55 |
| Zona Foce | 8 | GE-8 | Q50 | 65.20 | 18.02 | 19.45 | 22.68 | 3.23 | 20.92 | 1.47 | 20.27 | 22.45 | 0.056978 | 7.67 | 8.50 | 9.02 | 2.52 |
| Zona Foce | 7 | GE-9 | Q500 | 113.50 | 15.54 | 17.71 | 20.98 | 3.27 | 19.80 | 2.09 | 19.14 | 22.19 | 0.053608 | 9.38 | 12.10 | 7.99 | 2.43 |
| Zona Foce | 7 | GE-9 | Q200 | 94.30 | 15.54 | 17.50 | 20.98 | 3.48 | 19.80 | 2.30 | 18.92 | 21.65 | 0.057012 | 9.02 | 10.45 | 7.79 | 2.49 |
| Zona Foce | 7 | GE-9 | Q50 | 65.20 | 15.54 | 17.17 | 20.98 | 3.81 | 19.80 | 2.63 | 18.10 | 20.62 | 0.062837 | 8.24 | 7.91 | 7.47 | 2.56 |
| Zona Foce | 6 | GE-10 | Q500 | 113.50 | 14.40 | 16.43 | 18.38 | 1.95 | 18.42 | 1.98 | 17.75 | 21.37 | 0.063845 | 9.85 | 11.53 | 8.35 | 2.68 |
| Zona Foce | 6 | GE-10 | Q200 | 94.30 | 14.40 | 16.25 | 18.38 | 2.13 | 18.42 | 2.17 | 17.44 | 20.78 | 0.066697 | 9.43 | 10.00 | 8.14 | 2.72 |
| Zona Foce | 6 | GE-10 | Q50 | 65.20 | 14.40 | 15.95 | 18.38 | 2.43 | 18.42 | 2.46 | 16.92 | 19.67 | 0.071018 | 8.55 | 7.63 | 7.80 | 2.76 |
| Zona Foce | 5 | GE-11 | Q500 | 113.50 | 6.00 | 9.28 | 11.52 | 2.23 | 11.24 | 1.96 | 10.17 | 12.54 | 0.036942 | 7.99 | 14.20 | 4.59 | 1.45 |
| Zona Foce | 5 | GE-11 | Q200 | 94.30 | 6.00 | 8.81 | 11.52 | 2.71 | 11.24 | 2.43 | 9.70 | 11.94 | 0.039335 | 7.84 | 12.03 | 4.55 | 1.54 |
| Zona Foce | 5 | GE-11 | Q50 | 65.20 | 6.00 | 8.12 | 11.52 | 3.40 | 11.24 | 3.12 | 8.92 | 10.84 | 0.041789 | 7.31 | 8.92 | 4.50 | 1.66 |
| Zona Foce | 4 | GE-12 | Q500 | 113.50 | 1.22 | 2.70 | 11.90 | 9.20 | 11.00 | 8.30 | 4.35 | 10.08 | 0.112981 | 12.04 | 9.43 | 6.97 | 3.30 |
| Zona Foce | 4 | GE-12 | Q200 | 94.30 | 1.22 | 2.51 | 11.90 | 9.39 | 11.00 | 8.49 | 4.00 | 9.37 | 0.122381 | 11.61 | 8.12 | 6.88 | 3.41 |
| Zona Foce | 4 | GE-12 | Q50 | 65.20 | 1.22 | 2.21 | 11.90 | 9.69 | 11.00 | 8.79 | 3.42 | 8.04 | 0.141515 | 10.70 | 6.09 | 6.75 | 3.60 |

HEC-RAS Plan: Dalla15-Q50 River: T. Gentile Reach: Zona Foce (Continued)

| Reach | River Sta | Profile | Q Total (m3/s) | Min Ch El (m) | W.S. Elev (m) | LOB Elev (m) | L. Freeboard (m) | ROB Elev (m) | R. Freeboard (m) | Crit W.S. (m) | E.G. Elev (m) | E.G. Slope (m/m) | Vel Chnl (m/s) | Flow Area (m2) | Top Width (m) | Froude # Chl | |
|-----------|-----------|---------|-------------------|------------------|------------------|-----------------|---------------------|-----------------|---------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|------|
| Zona Foce | 3 | GE-13 | Q500 | 113.50 | 1.20 | 2.95 | 11.92 | 8.97 | 10.80 | 7.85 | 4.39 | 8.52 | 0.075076 | 10.45 | 10.86 | 6.57 | 2.60 |
| Zona Foce | 3 | GE-13 | Q200 | 94.30 | 1.20 | 2.74 | 11.92 | 9.18 | 10.80 | 8.06 | 4.07 | 7.80 | 0.076966 | 9.96 | 9.46 | 6.50 | 2.64 |
| Zona Foce | 3 | GE-13 | Q50 | 65.20 | 1.20 | 2.41 | 11.92 | 9.51 | 10.80 | 8.39 | 3.53 | 6.44 | 0.077746 | 8.89 | 7.33 | 6.39 | 2.65 |
| Zona Foce | 2.5 | GE-14 | Q500 | 113.50 | 0.82 | 2.94 | 11.34 | 8.40 | 10.90 | 7.96 | 4.32 | 7.81 | 0.055819 | 9.77 | 11.61 | 6.19 | 2.28 |
| Zona Foce | 2.5 | GE-14 | Q200 | 94.30 | 0.82 | 2.71 | 11.34 | 8.63 | 10.90 | 8.19 | 3.96 | 7.09 | 0.056703 | 9.27 | 10.17 | 6.19 | 2.31 |
| Zona Foce | 2.5 | GE-14 | Q50 | 65.20 | 0.82 | 2.35 | 11.34 | 8.99 | 10.90 | 8.55 | 3.30 | 5.74 | 0.055348 | 8.16 | 7.99 | 6.18 | 2.29 |
| Zona Foce | 2.2 | | Bridge | | | | | | | | | | | | | | |
| Zona Foce | 2 | GE-14 | Q500 | 113.50 | 0.68 | 2.84 | 11.20 | 8.36 | 10.76 | 7.92 | 4.19 | 7.49 | 0.052203 | 9.55 | 11.88 | 6.20 | 2.20 |
| Zona Foce | 2 | GE-14 | Q200 | 94.30 | 0.68 | 2.60 | 11.20 | 8.60 | 10.76 | 8.16 | 3.82 | 6.79 | 0.053160 | 9.07 | 10.40 | 6.19 | 2.23 |
| Zona Foce | 2 | GE-14 | Q50 | 65.20 | 0.68 | 2.24 | 11.20 | 8.96 | 10.76 | 8.52 | 3.17 | 5.48 | 0.051743 | 7.97 | 8.18 | 6.18 | 2.21 |
| Zona Foce | 1 | GE-15 | Q500 | 113.50 | 0.48 | 2.58 | 3.50 | 0.92 | 3.32 | 0.74 | 3.89 | 7.20 | 0.053607 | 9.52 | 11.93 | 6.68 | 2.27 |
| Zona Foce | 1 | GE-15 | Q200 | 94.30 | 0.48 | 2.37 | 3.50 | 1.13 | 3.32 | 0.95 | 3.53 | 6.49 | 0.054138 | 9.00 | 10.48 | 6.68 | 2.29 |
| Zona Foce | 1 | GE-15 | Q50 | 65.20 | 0.48 | 2.04 | 3.50 | 1.46 | 3.32 | 1.28 | 2.93 | 5.19 | 0.052240 | 7.86 | 8.29 | 6.67 | 2.25 |