



**COMUNE DI ORISTANO**

Provincia di Oristano

**Sindaco**

Dott. Guido Tendas

**Assessore all'Urbanistica**

Gianluca Mugheddu

**STUDIO DI COMPATIBILITA'  
IDRAULICA - art. 8 c.2 delle Norme di  
Attuazione del PAI esteso a tutto il  
territorio comunale**

**Dirigente Settore  
Sviluppo del Territorio**

Dott. Ing. Giuseppe Pinna

**Progettista**

Ing. Alessandro Salis

Geol. Fausto A. Pani

Geol. Roberta M. Sanna

**Collaboratori**

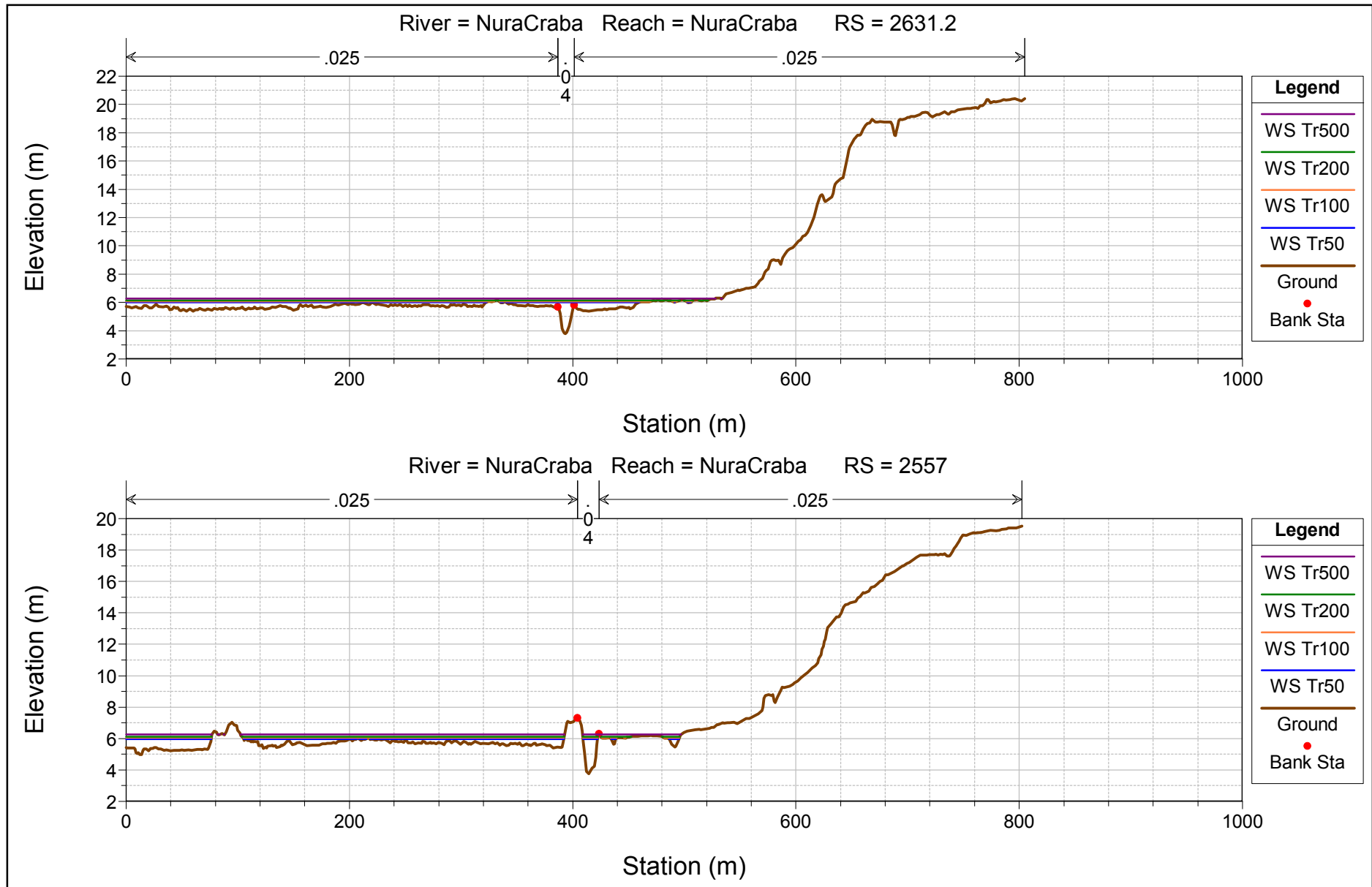
Ing. Roberta Lai

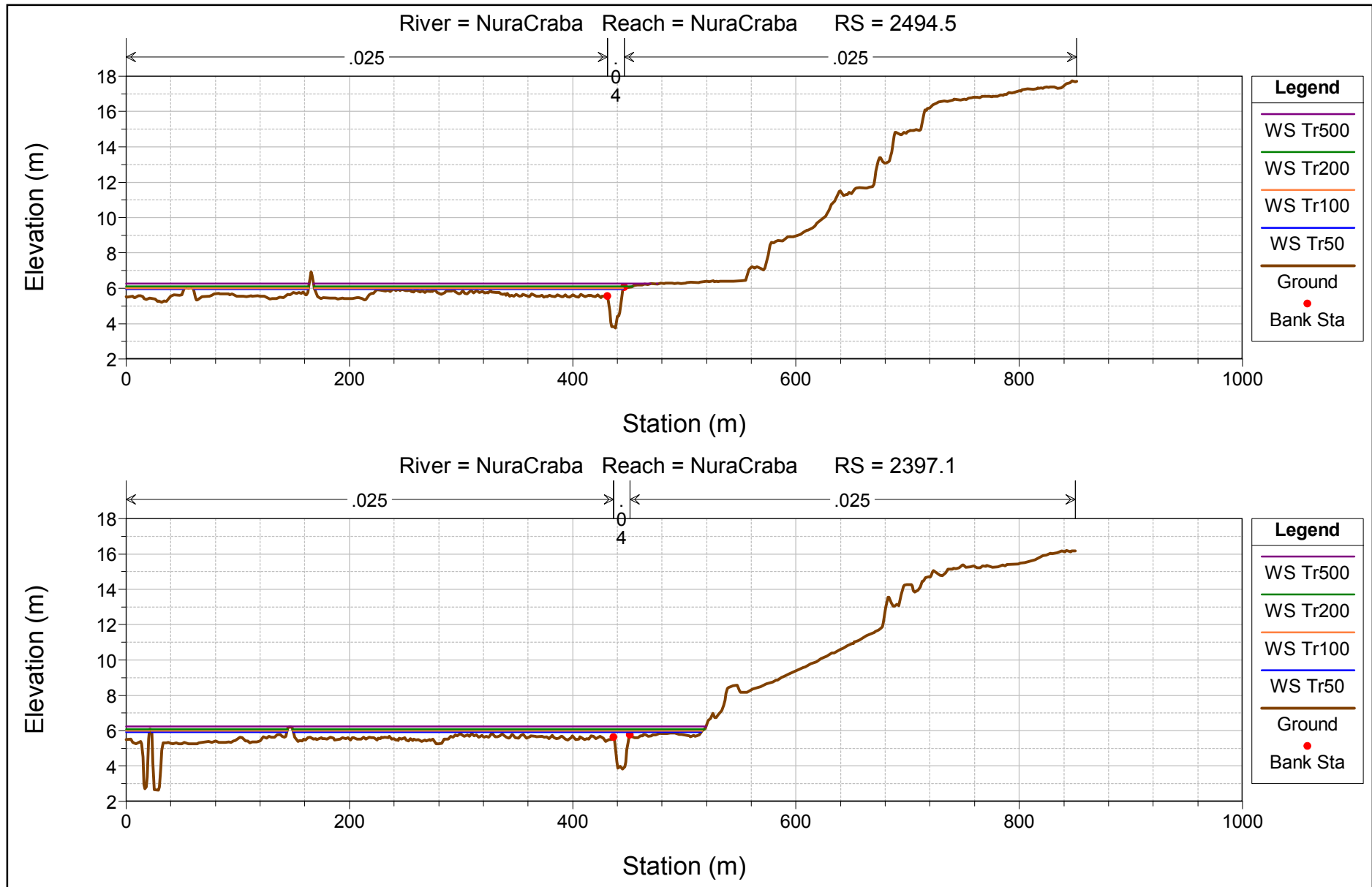
**ALLEGATO 2  
Allegati Hecras**

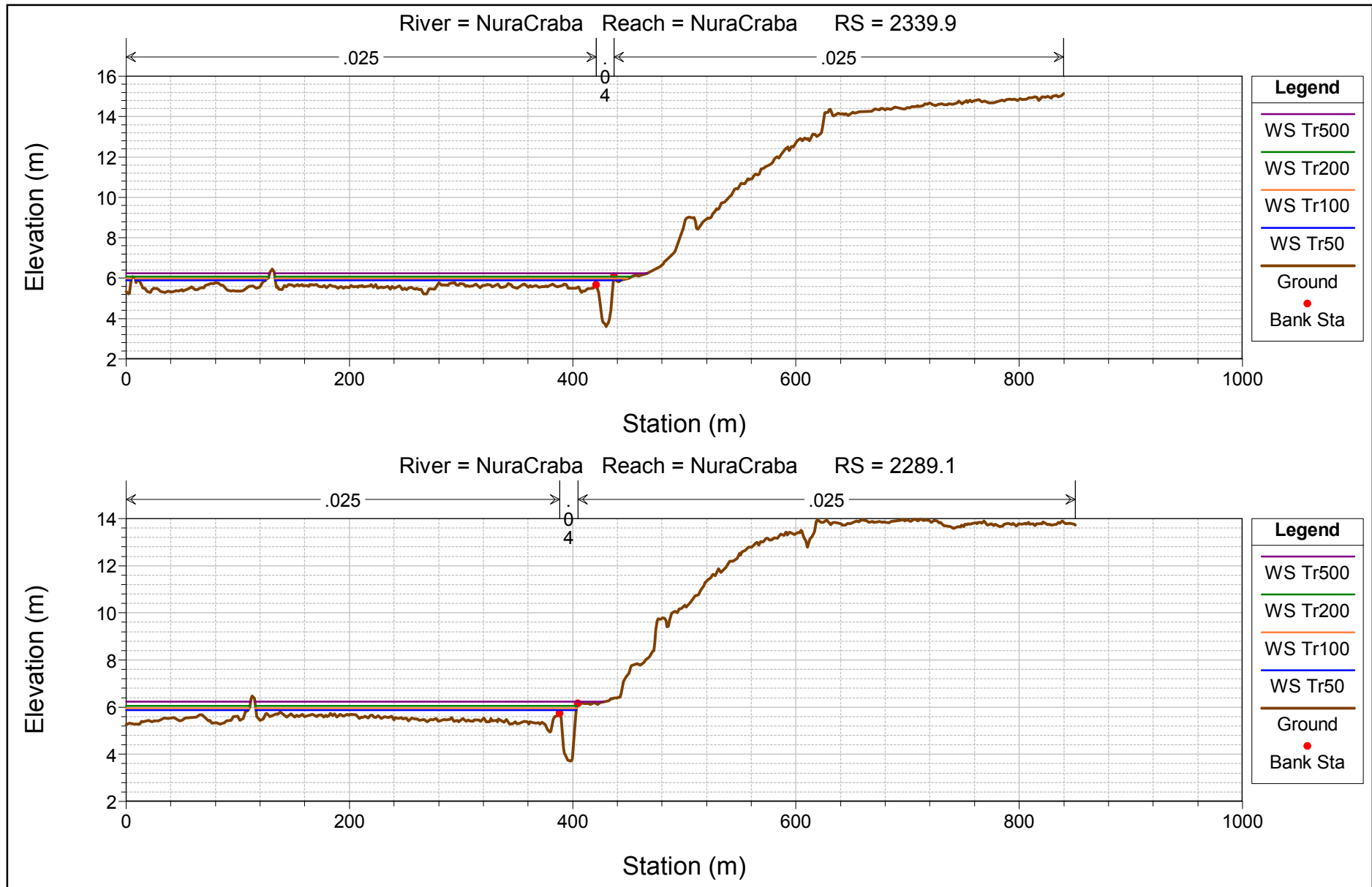
**Rev.**

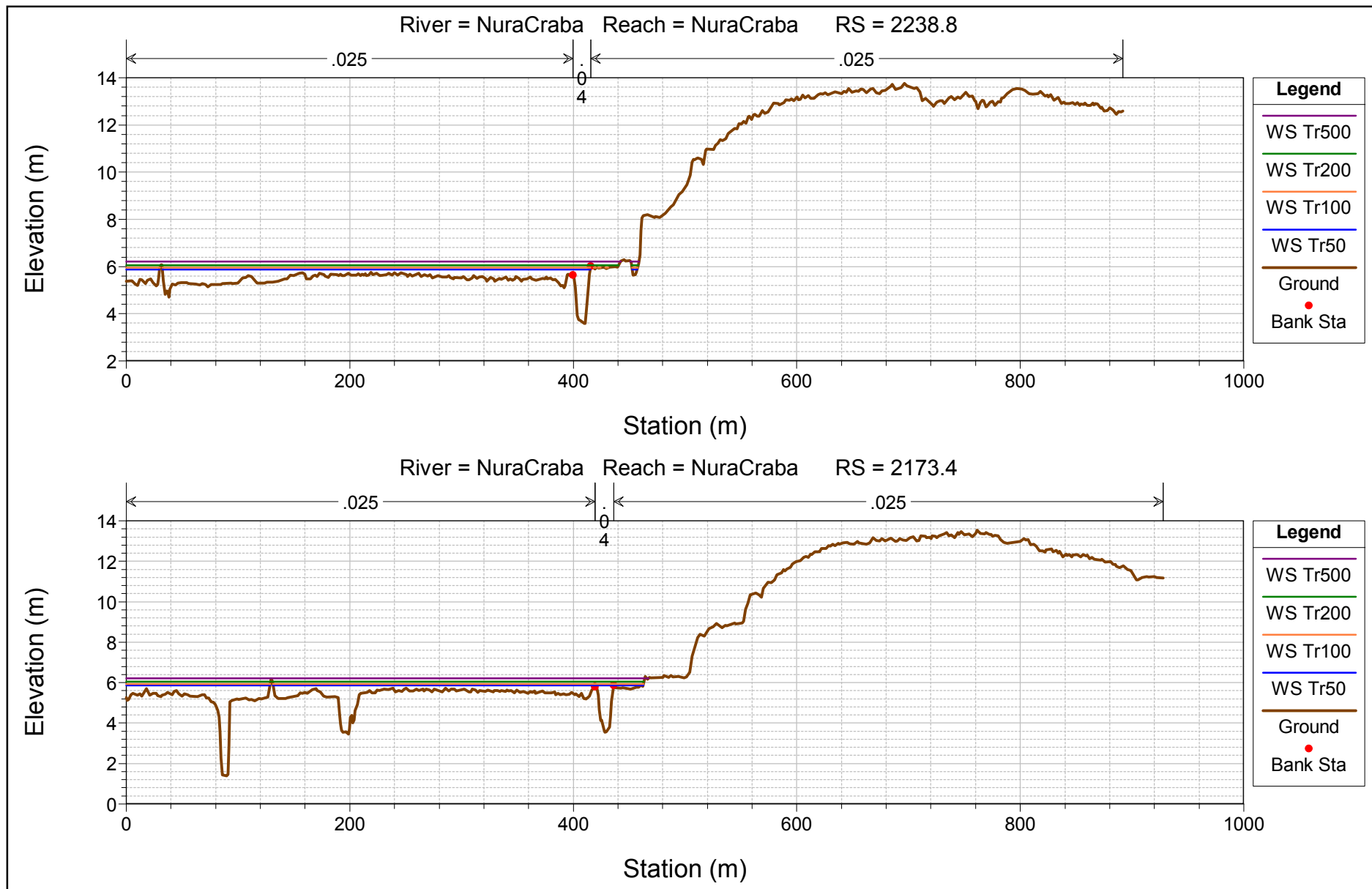
Dicembre 2015

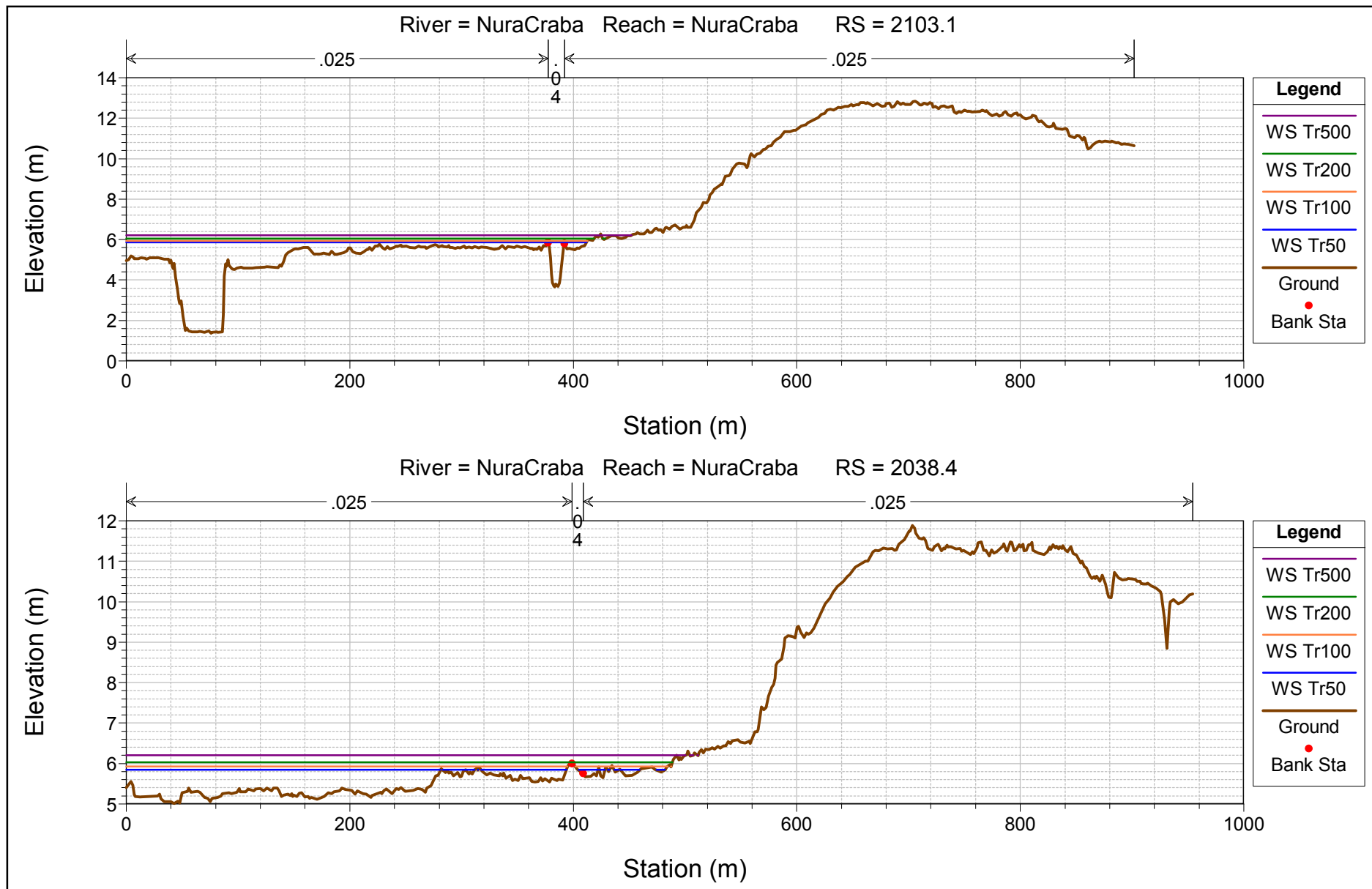
## SEZIONI SISTEMA NURA CRABA - S'AORI - TANUI

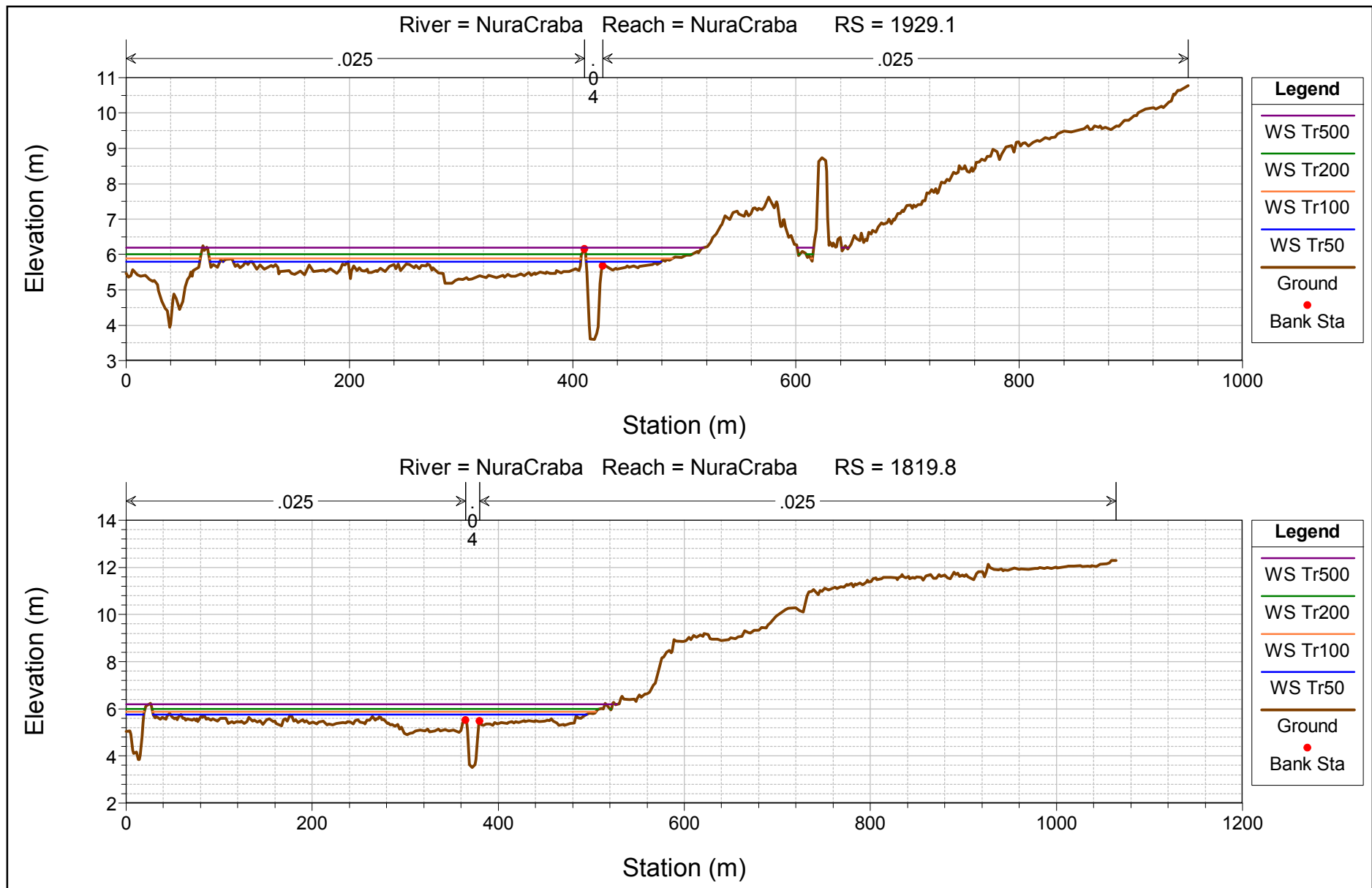




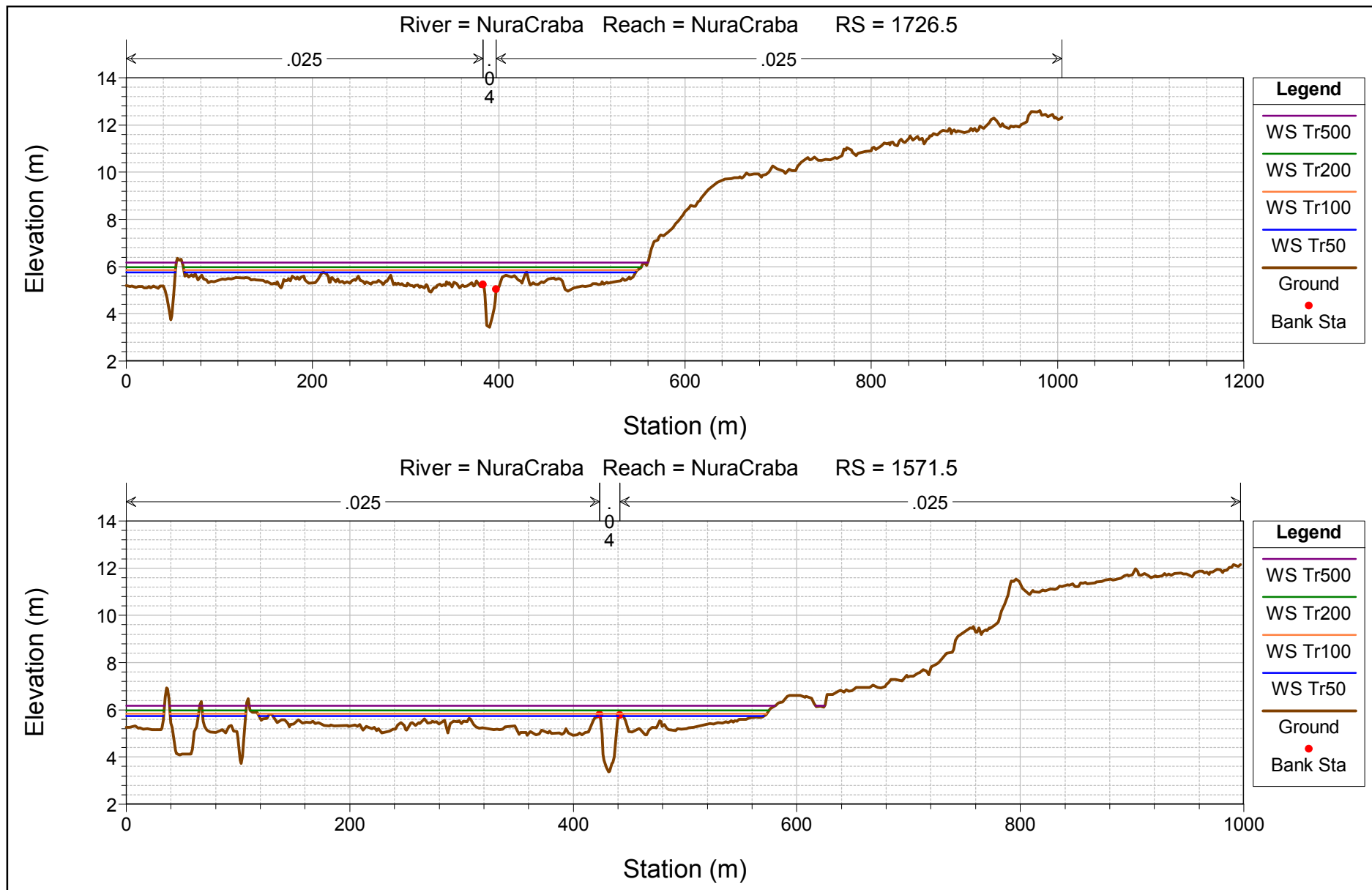


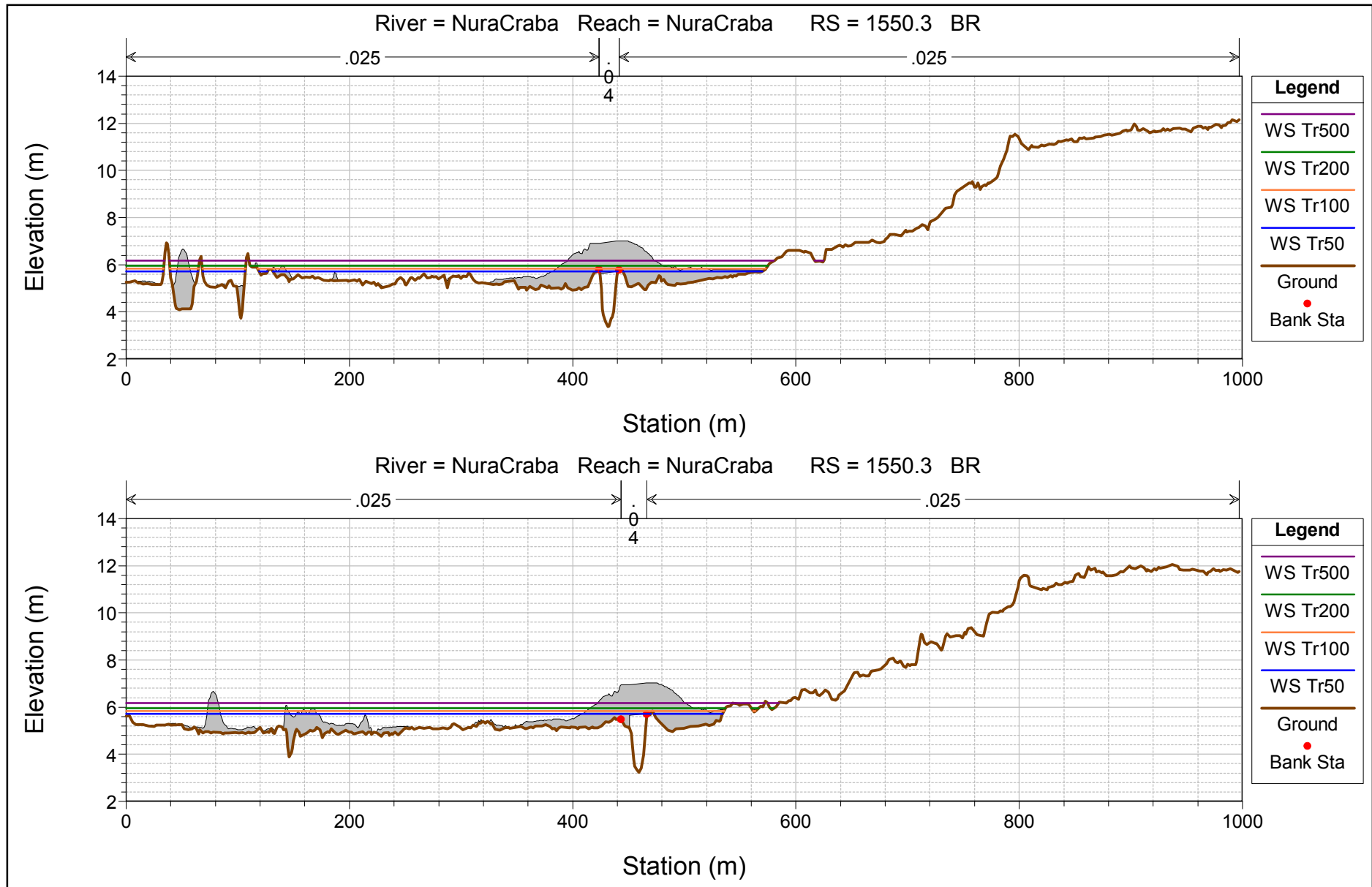


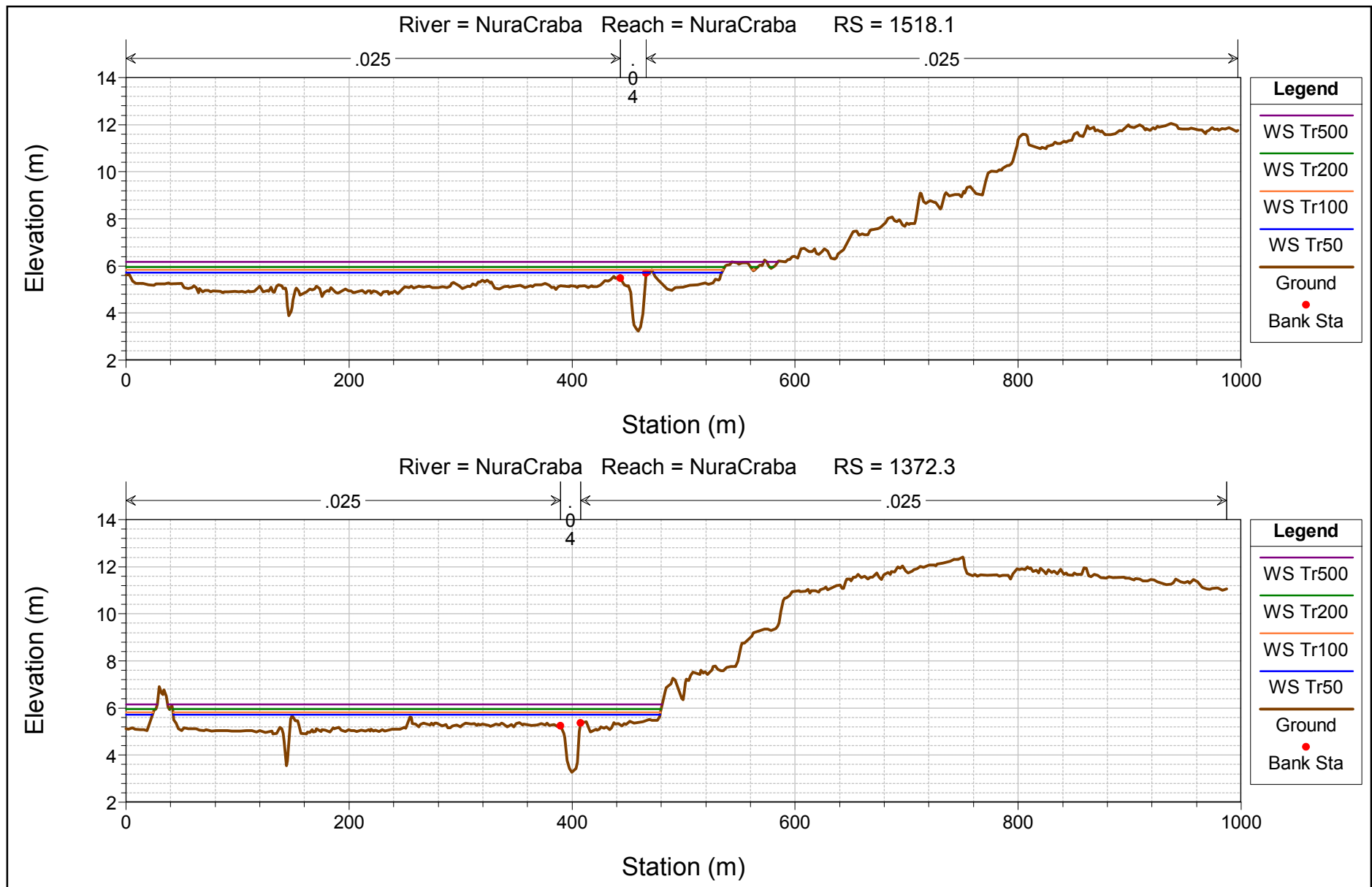


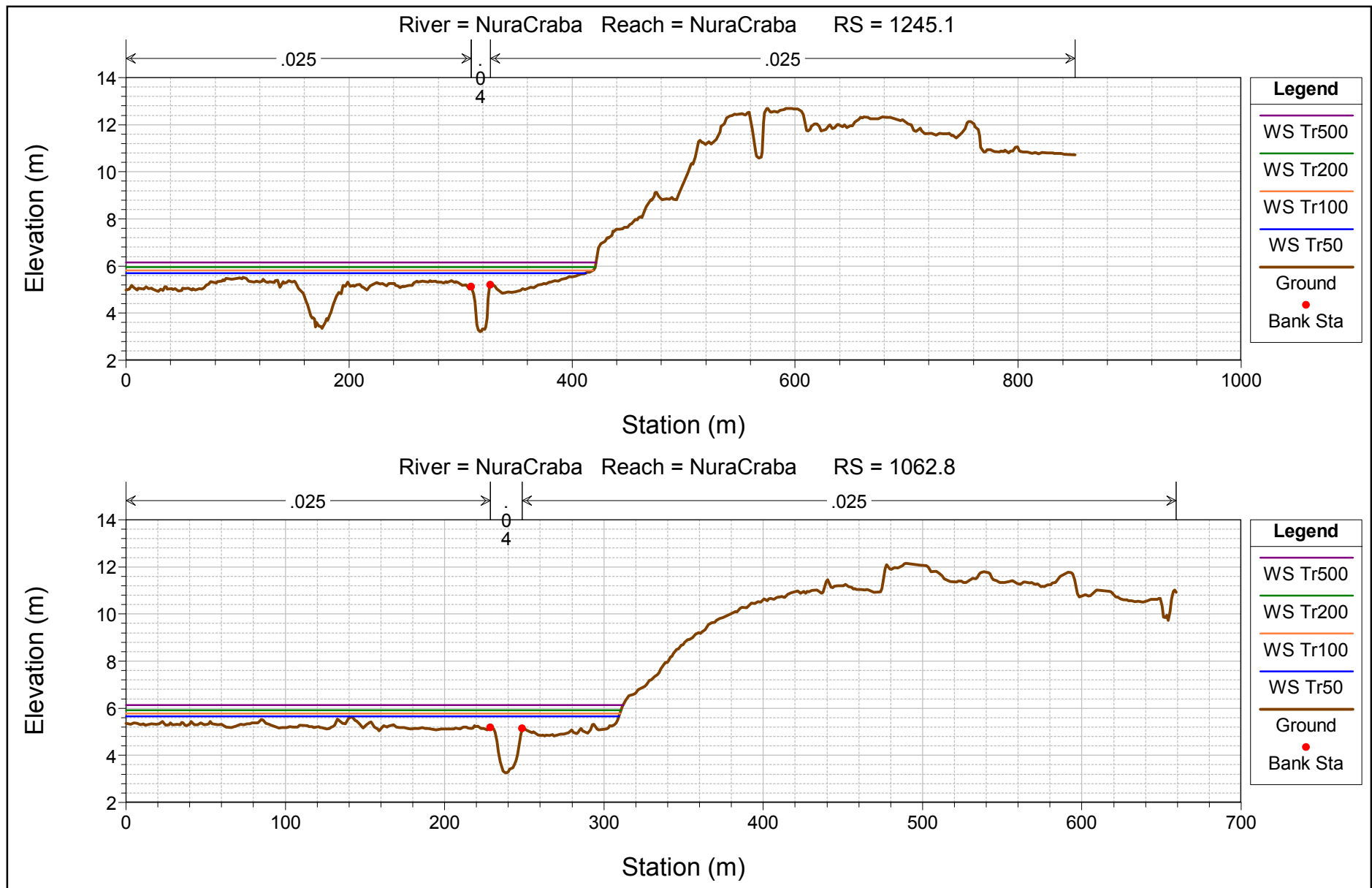


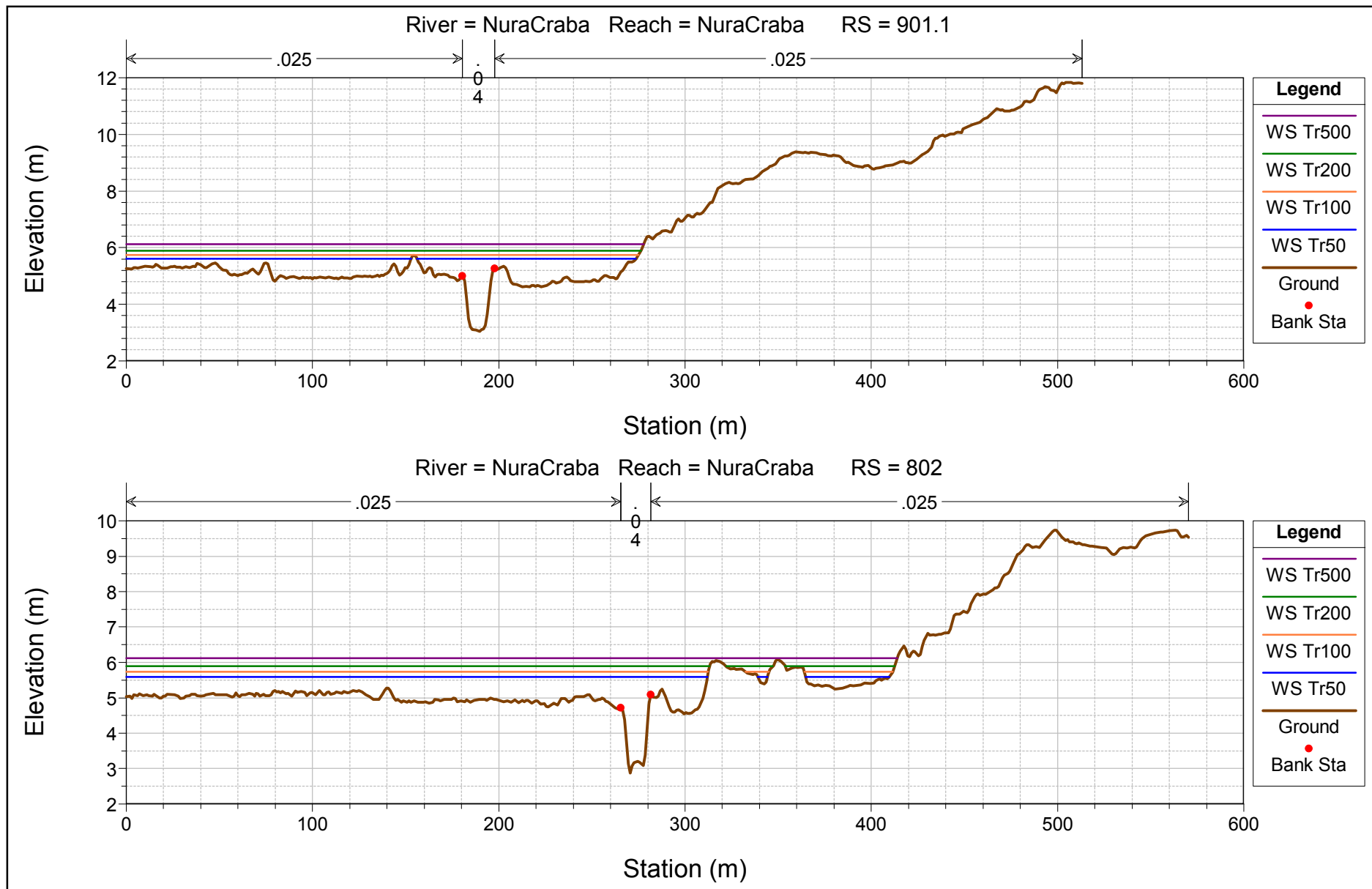


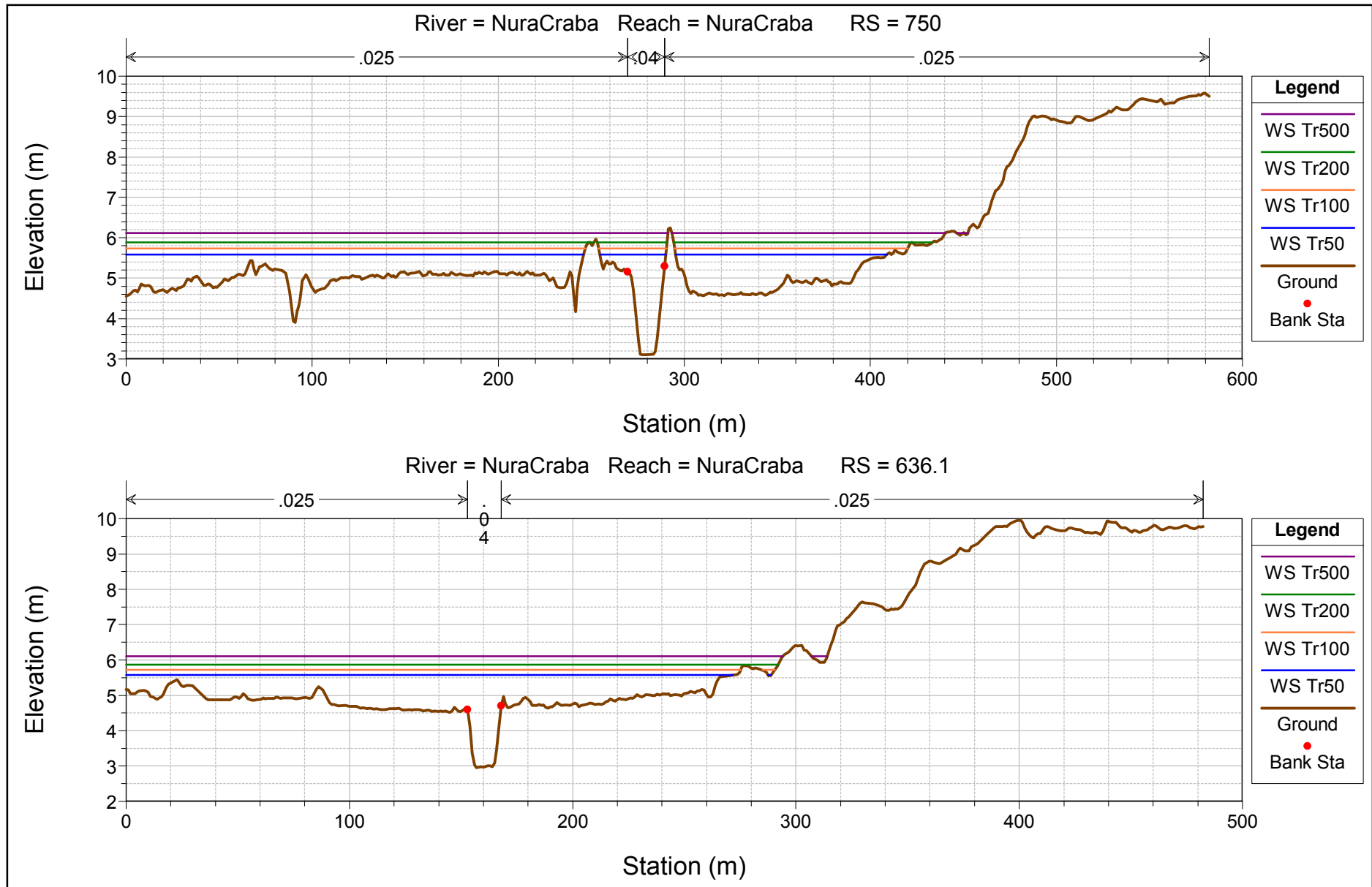


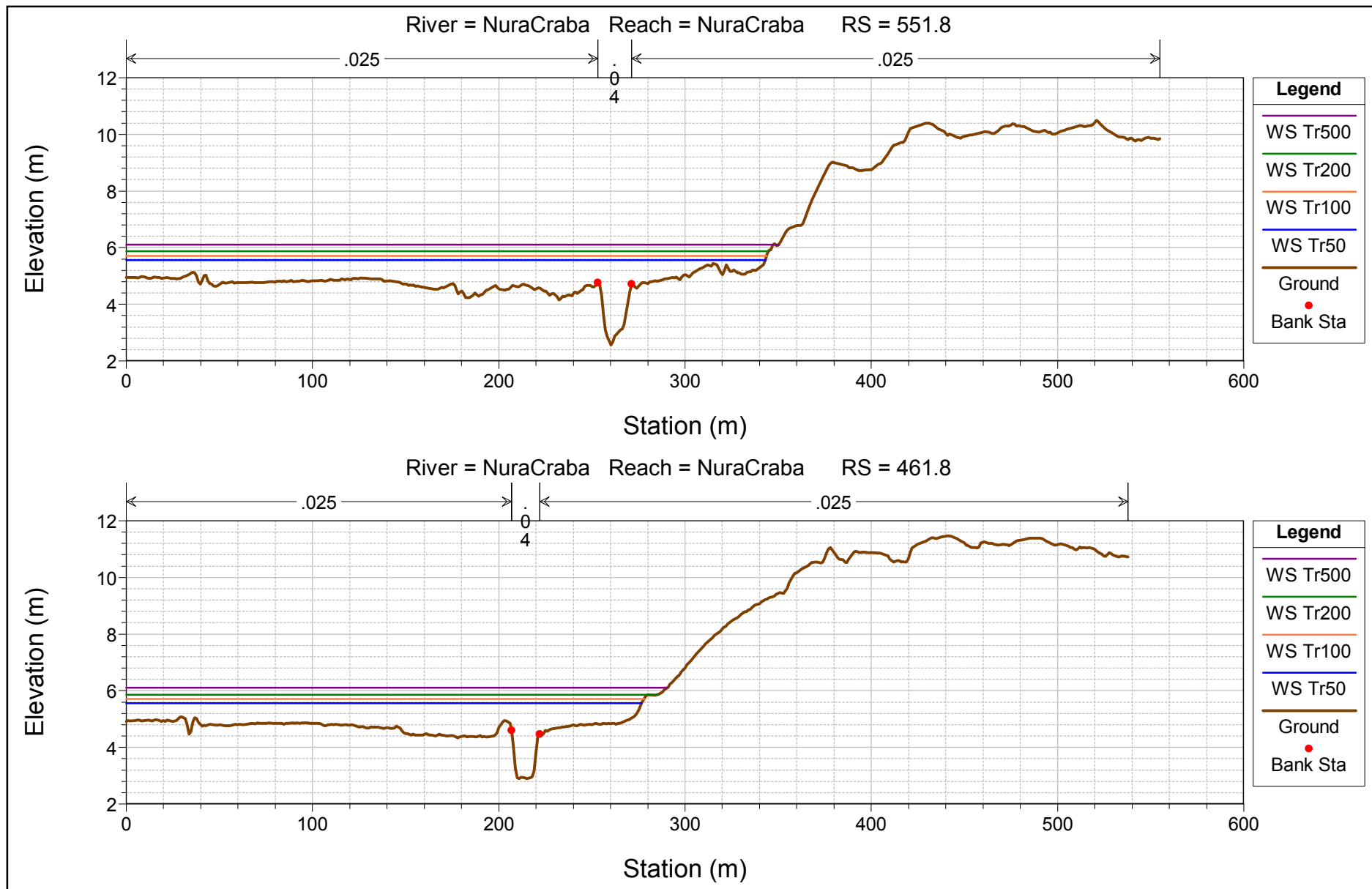


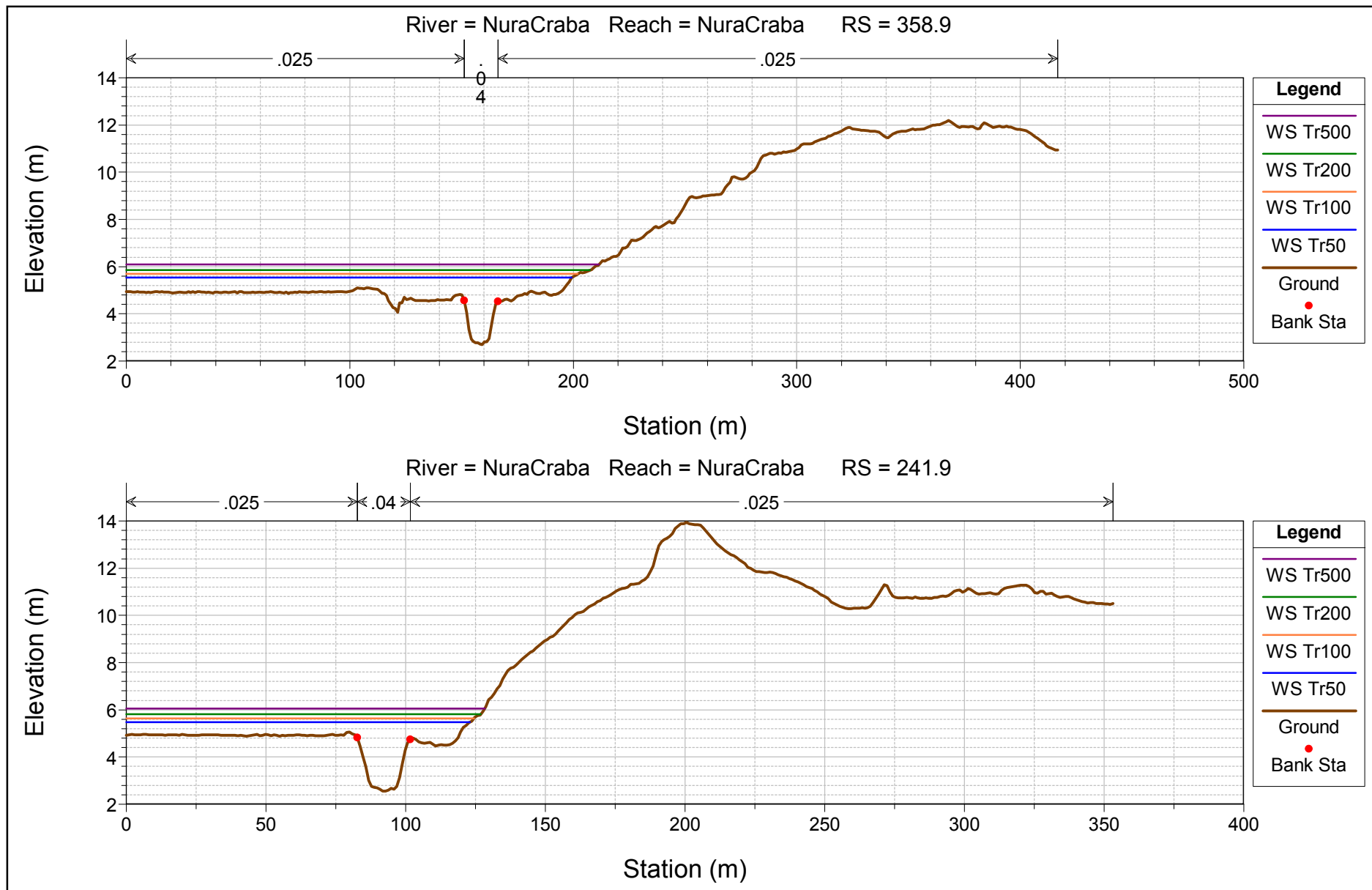




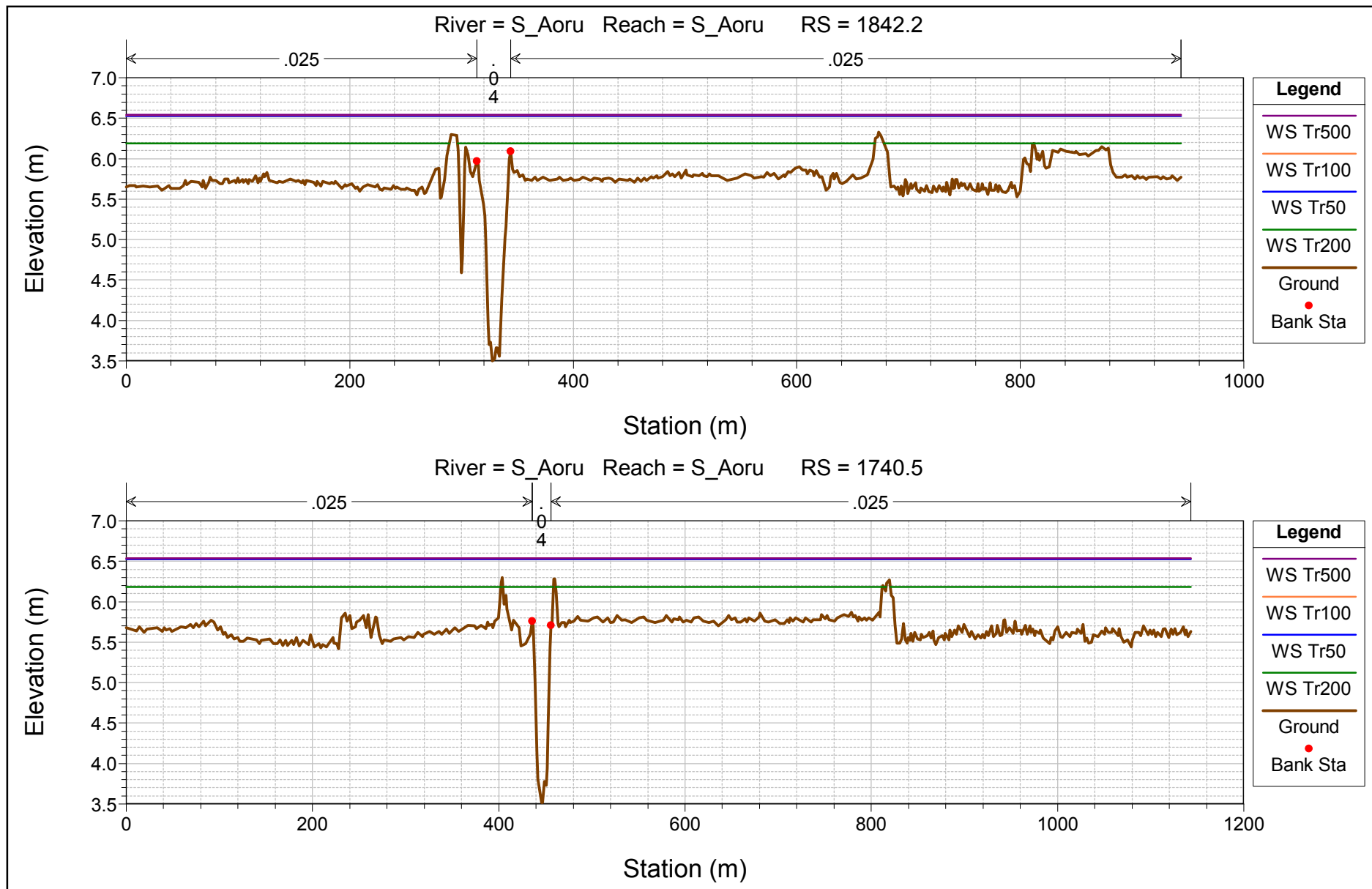


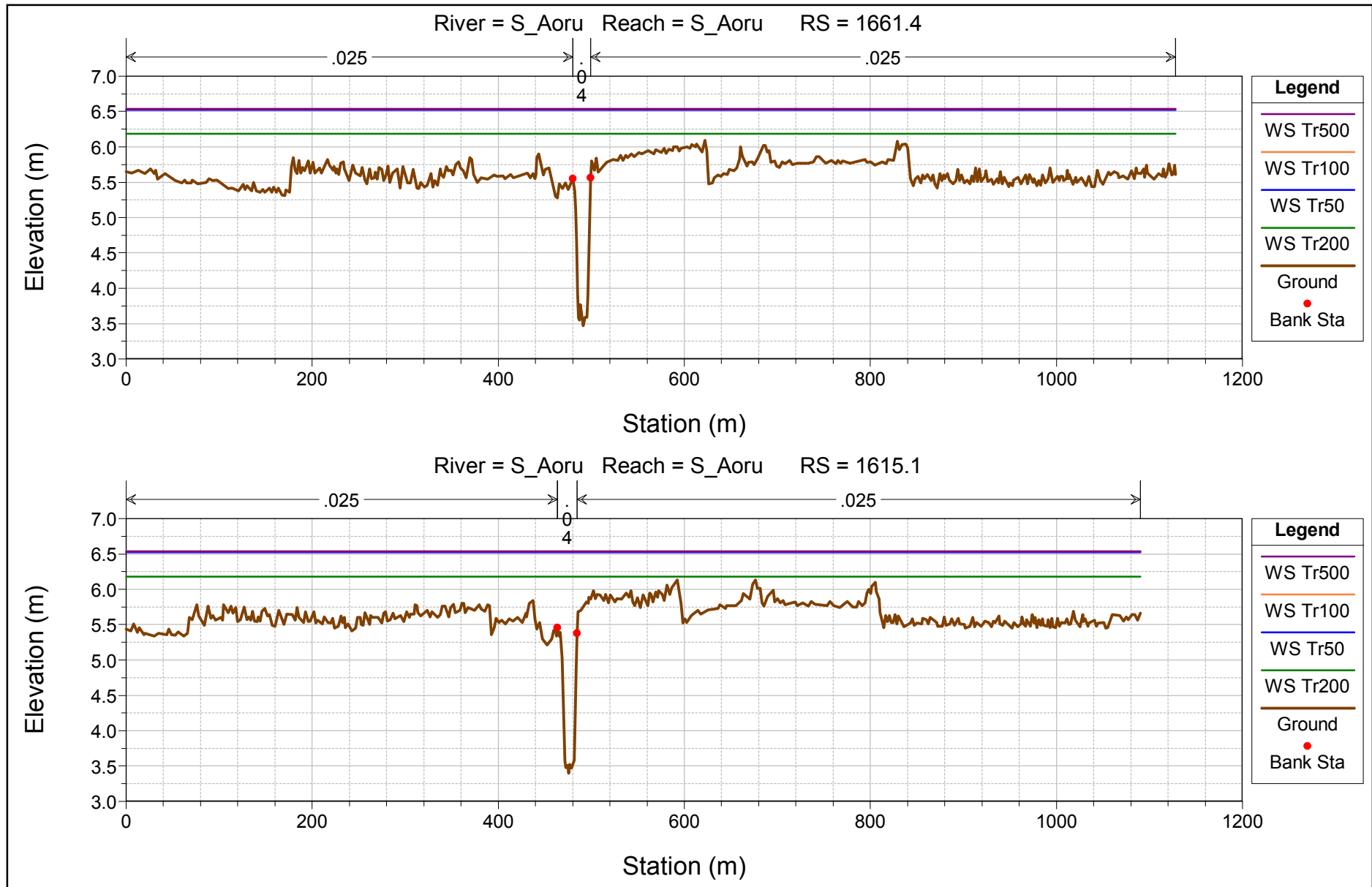


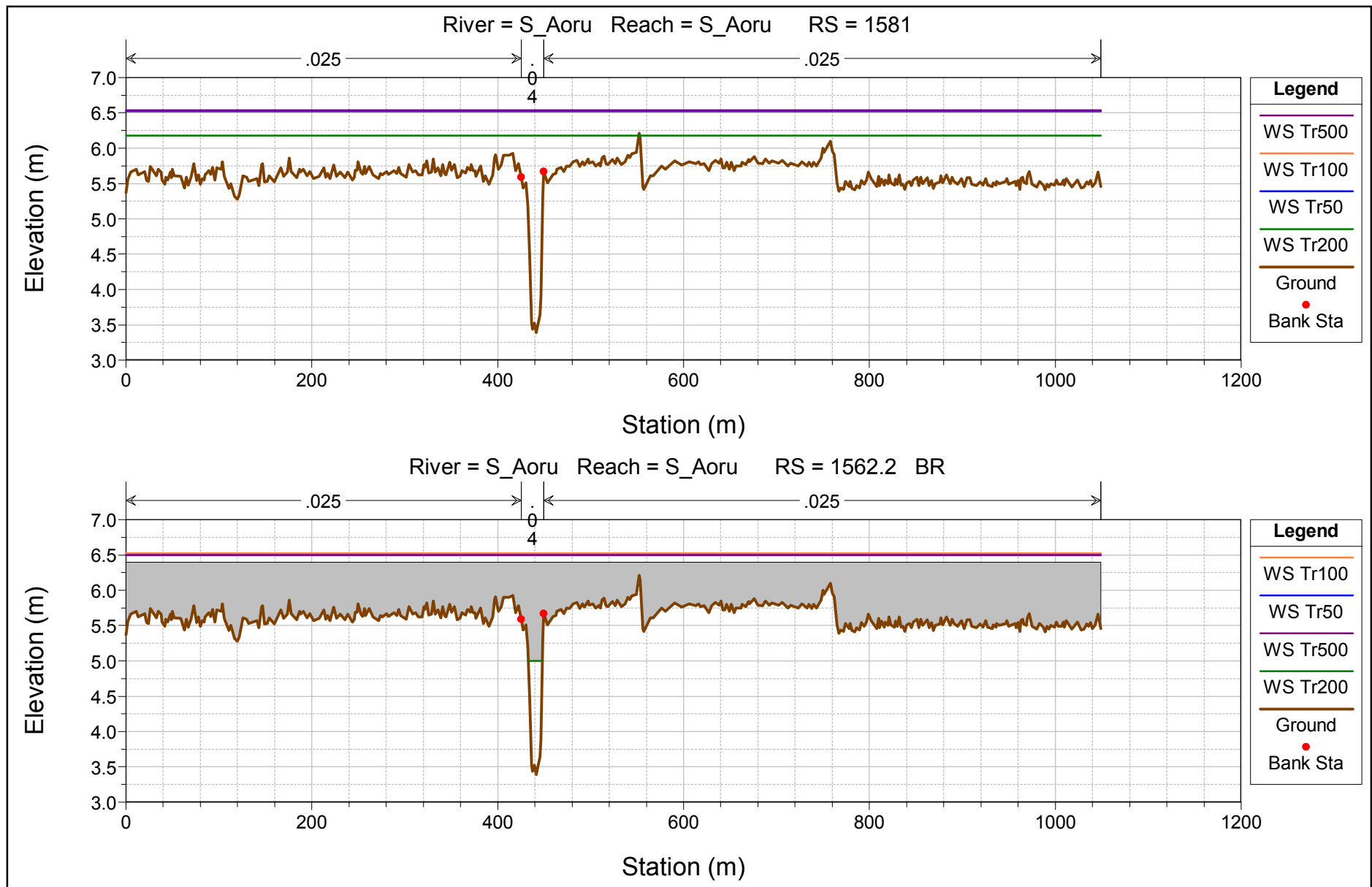


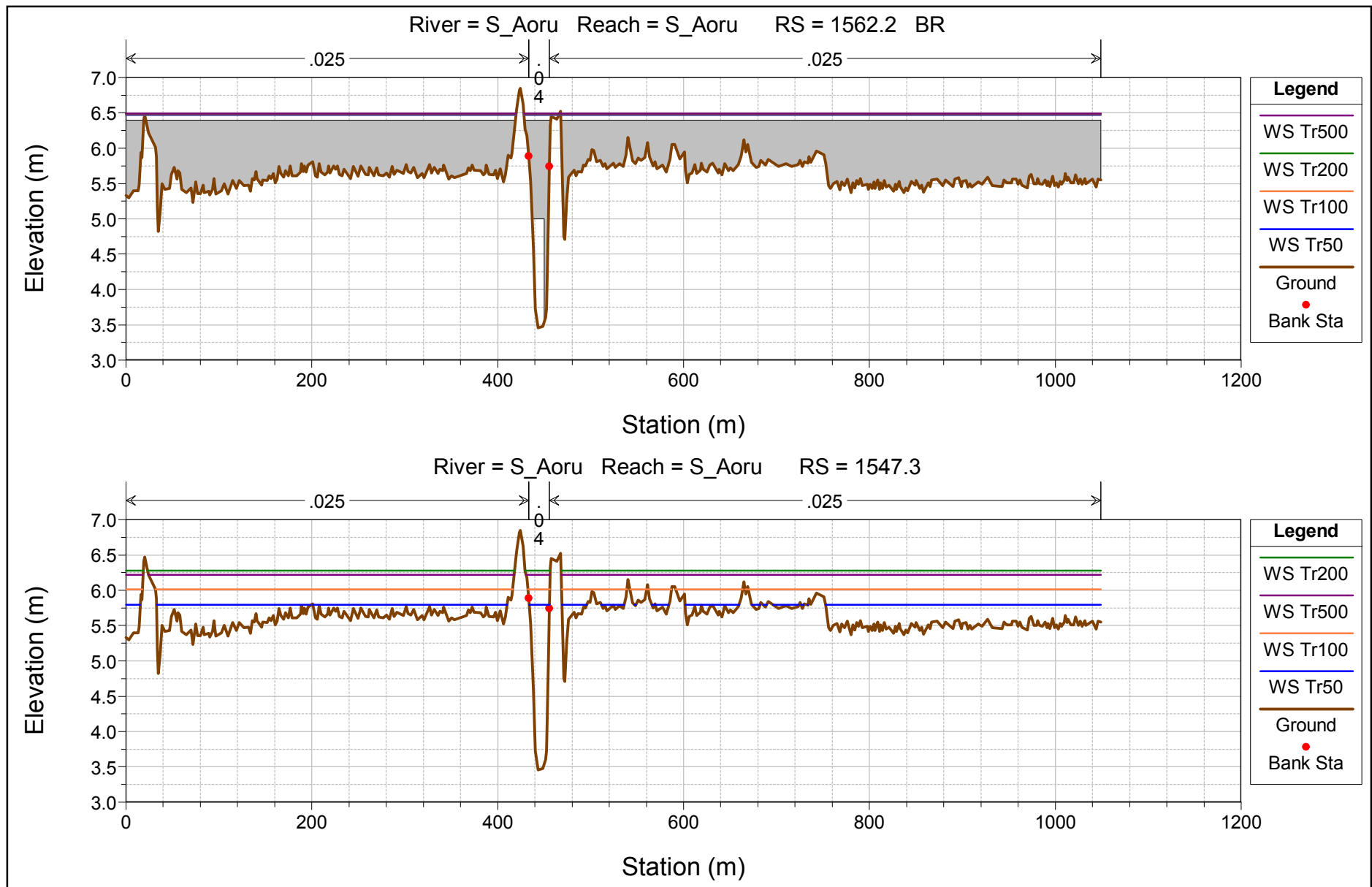


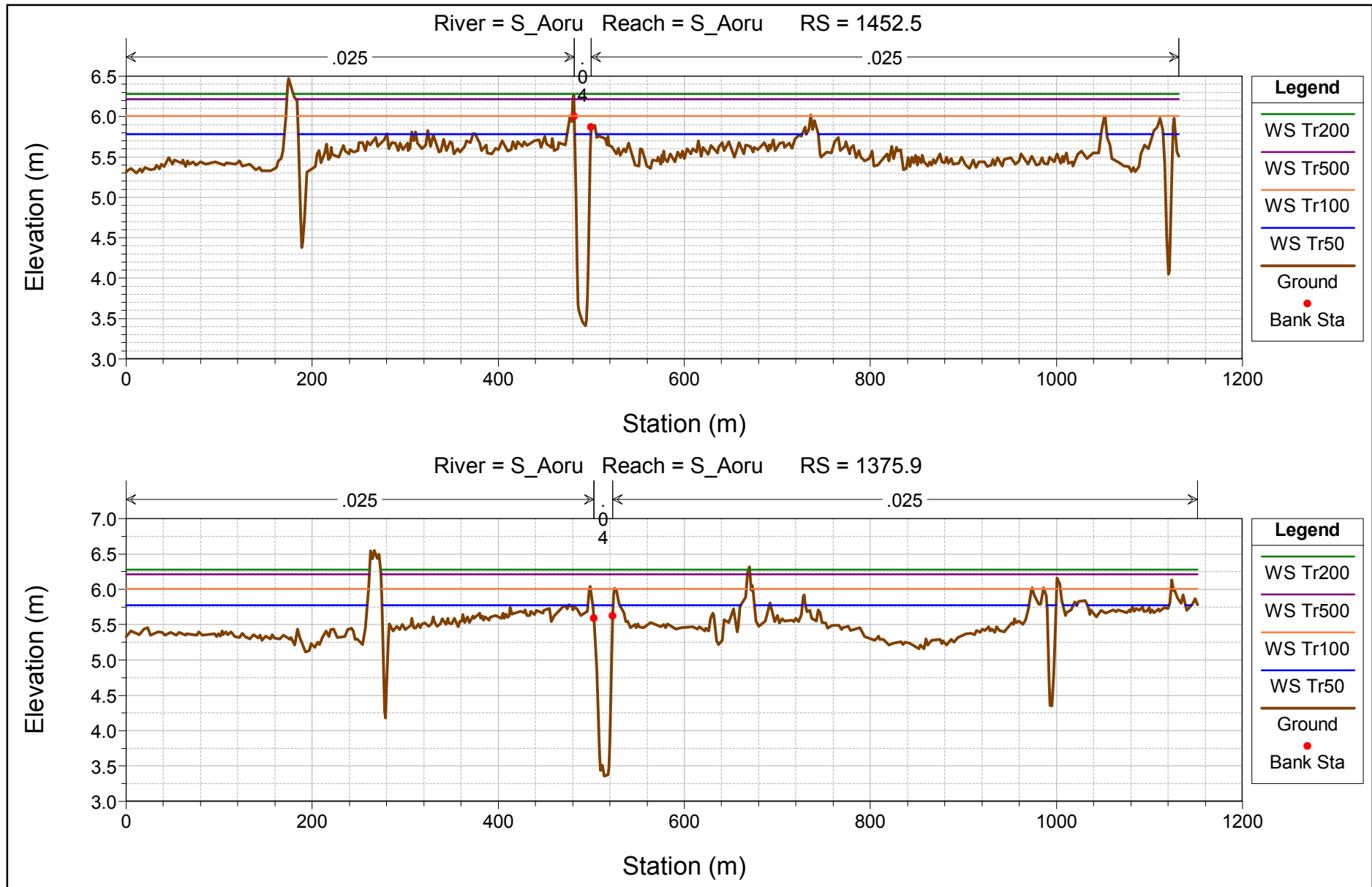


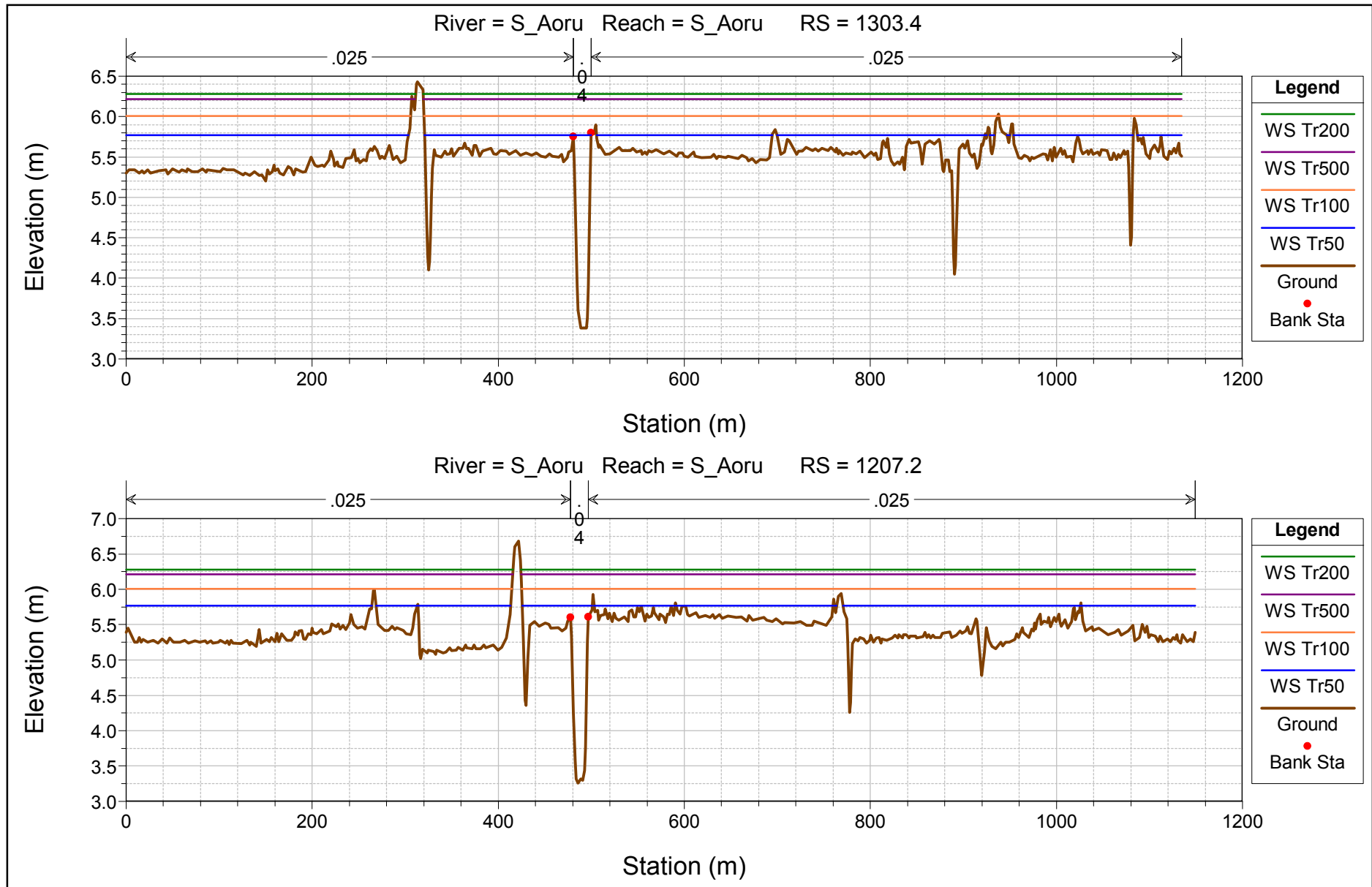


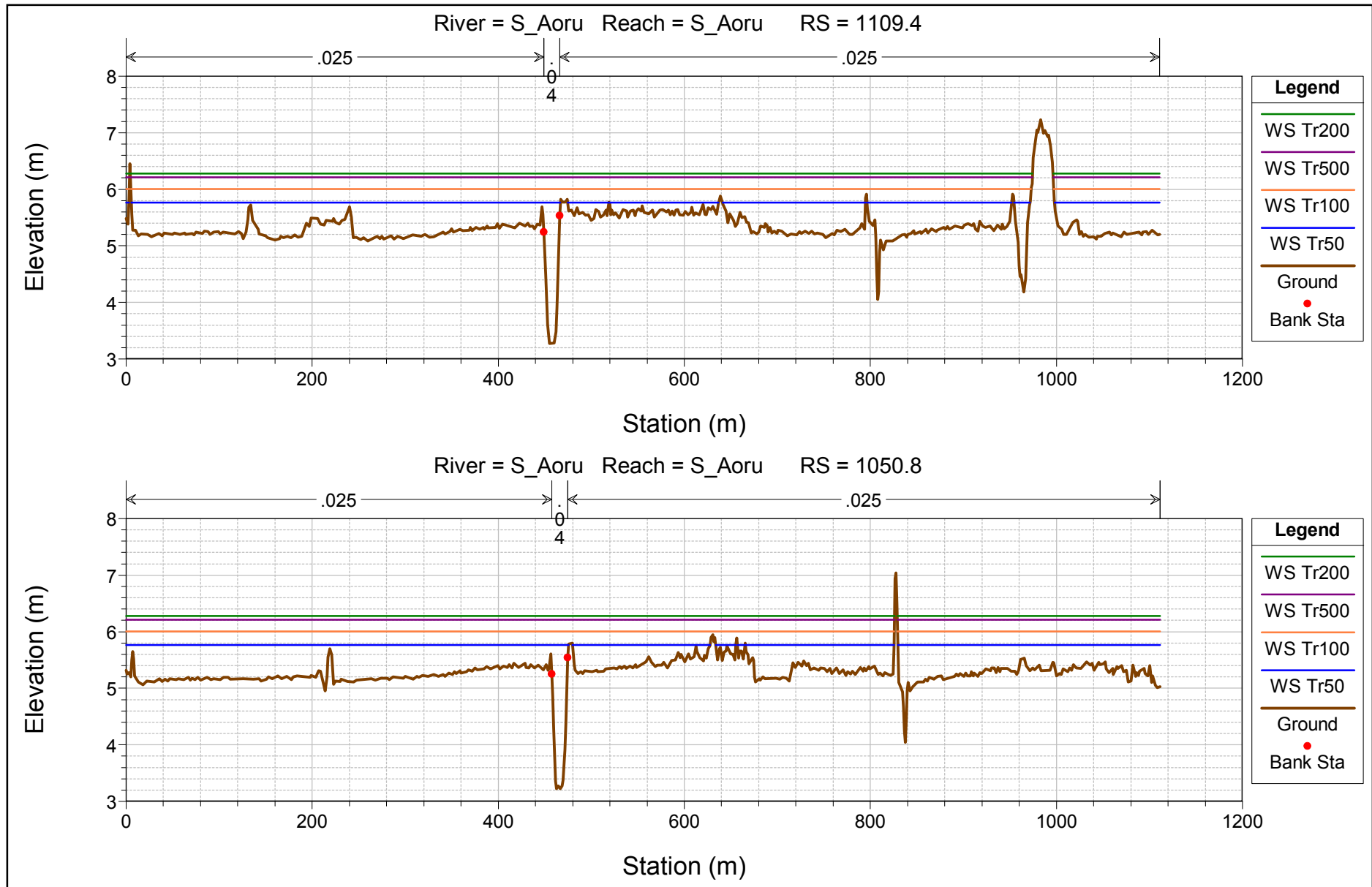


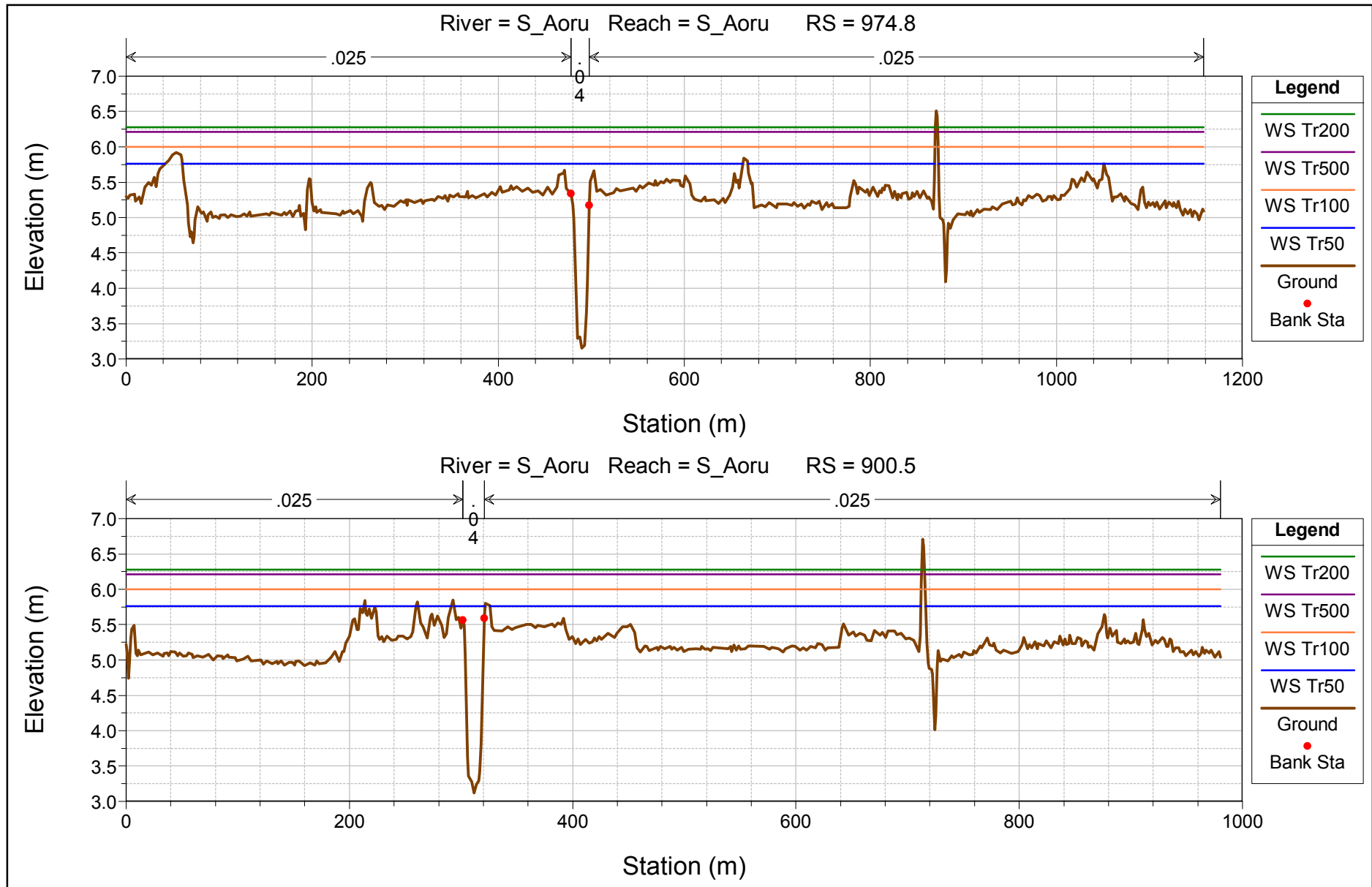




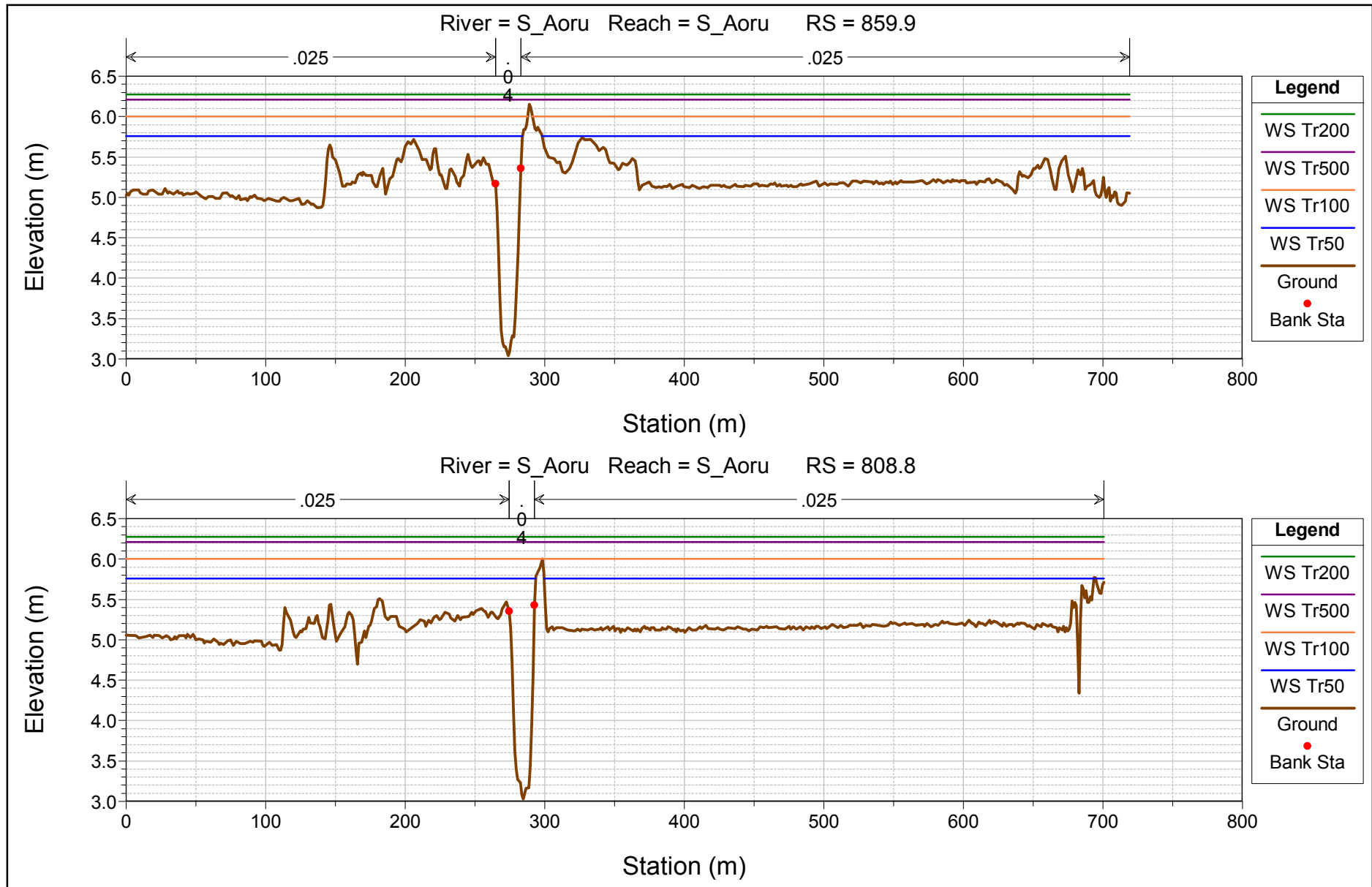


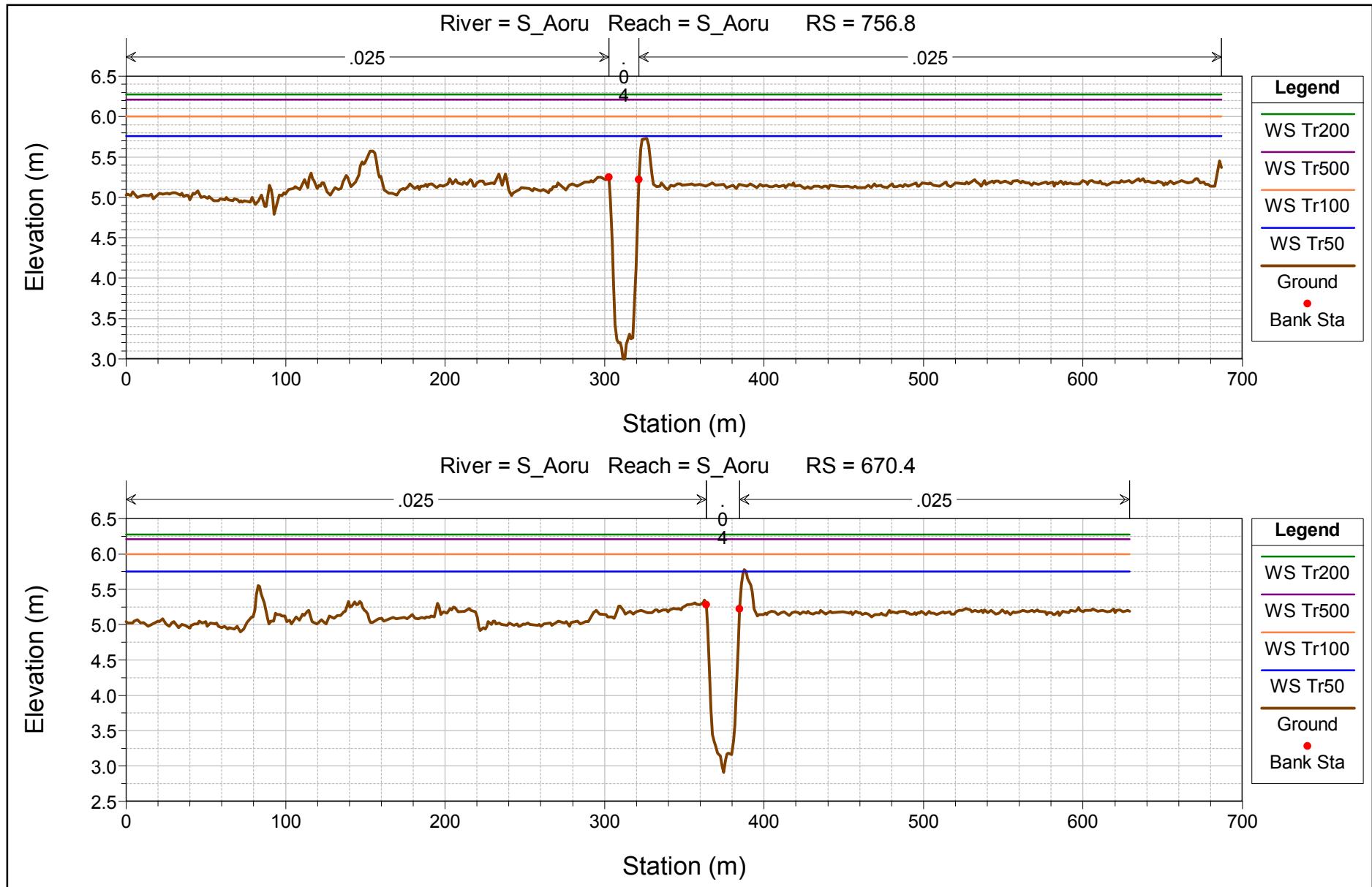


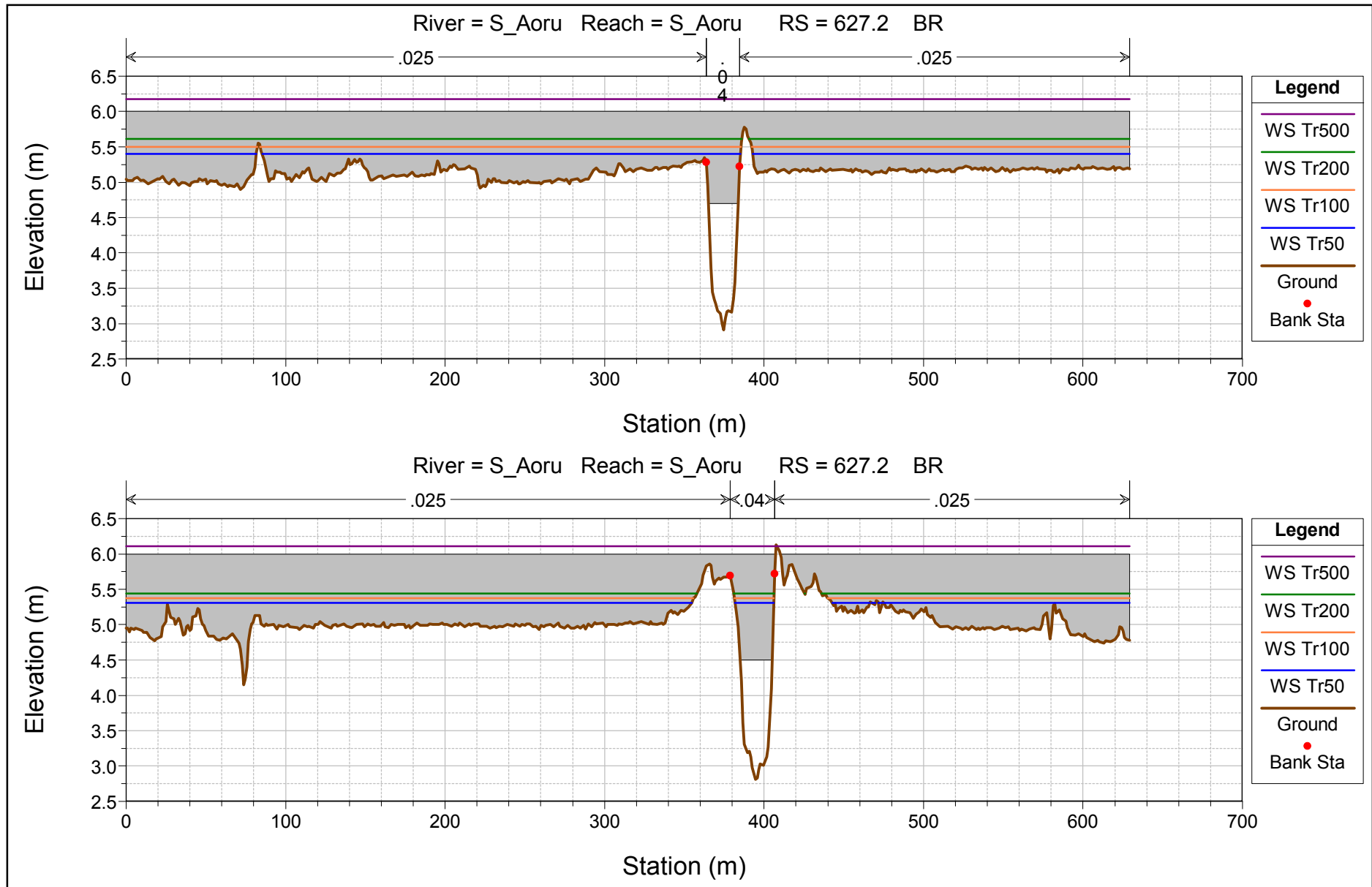


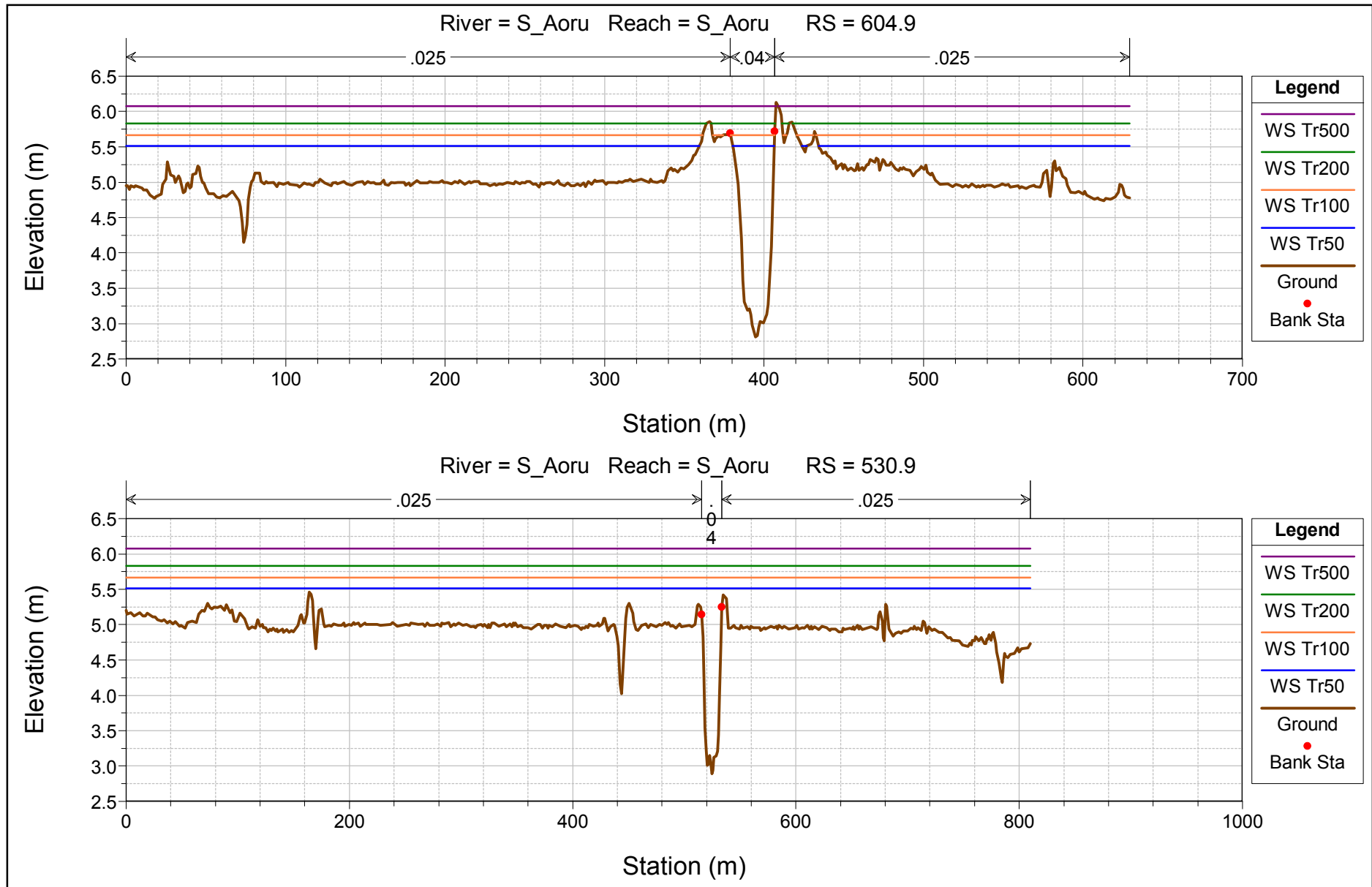


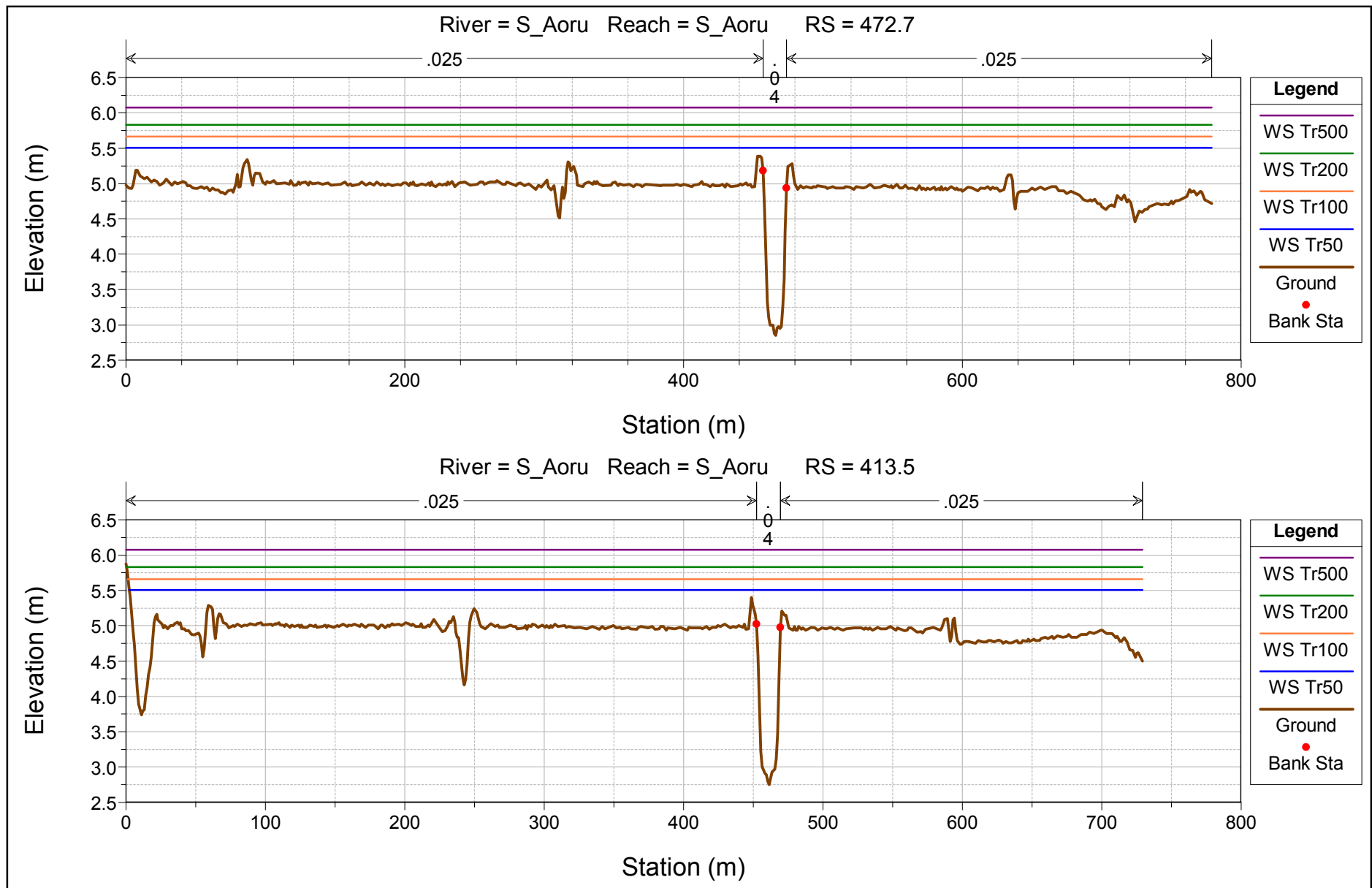


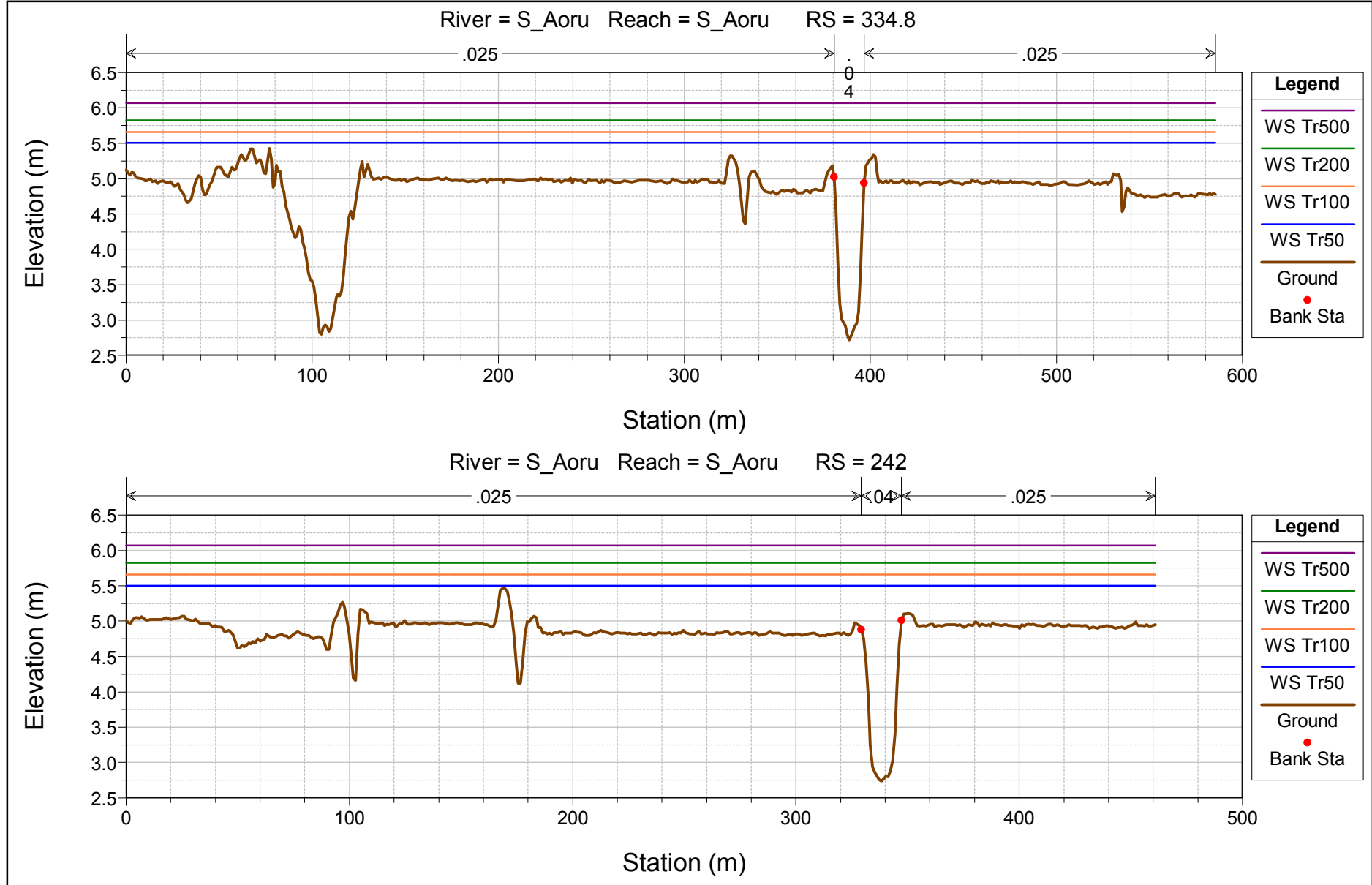


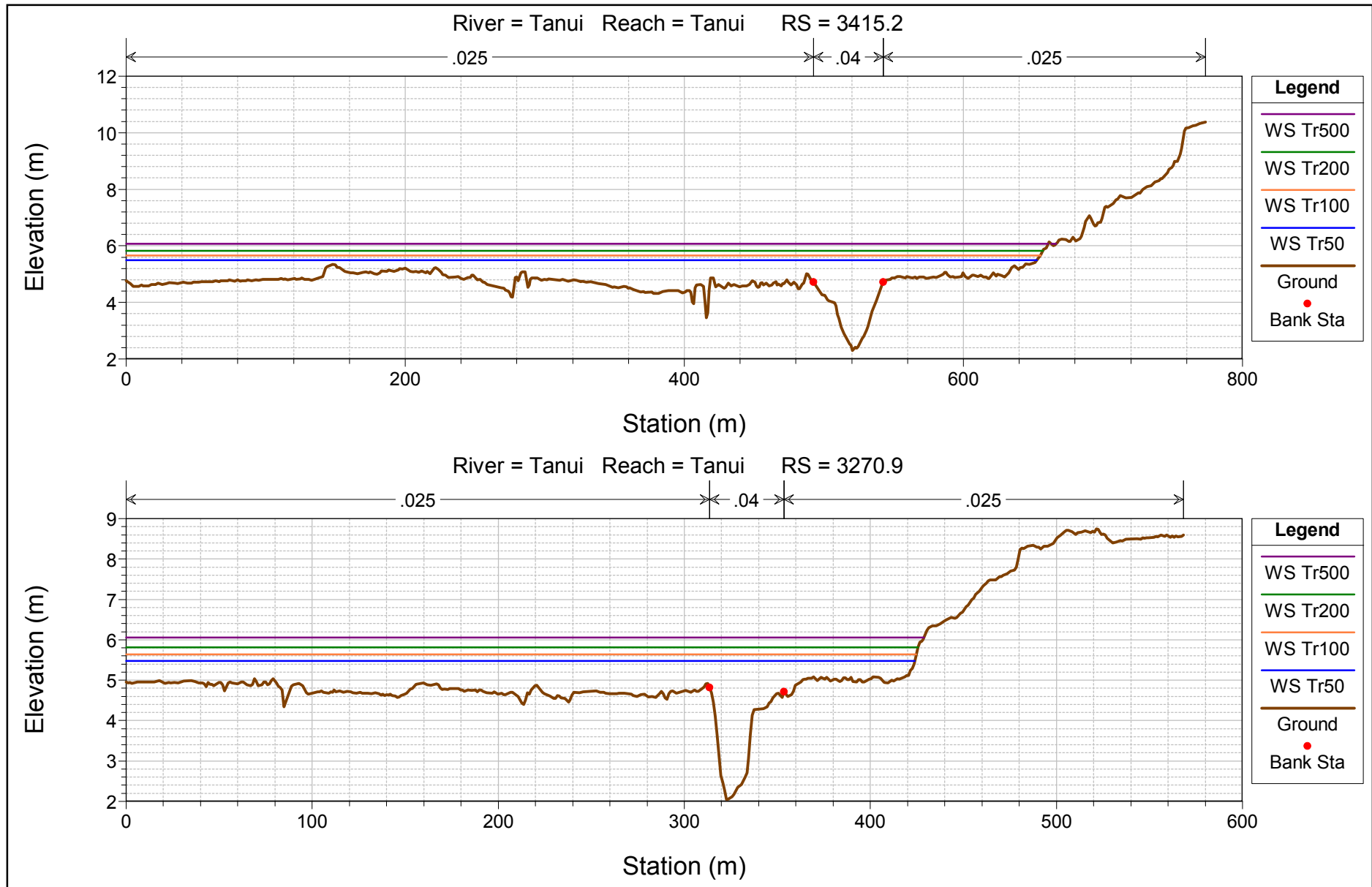


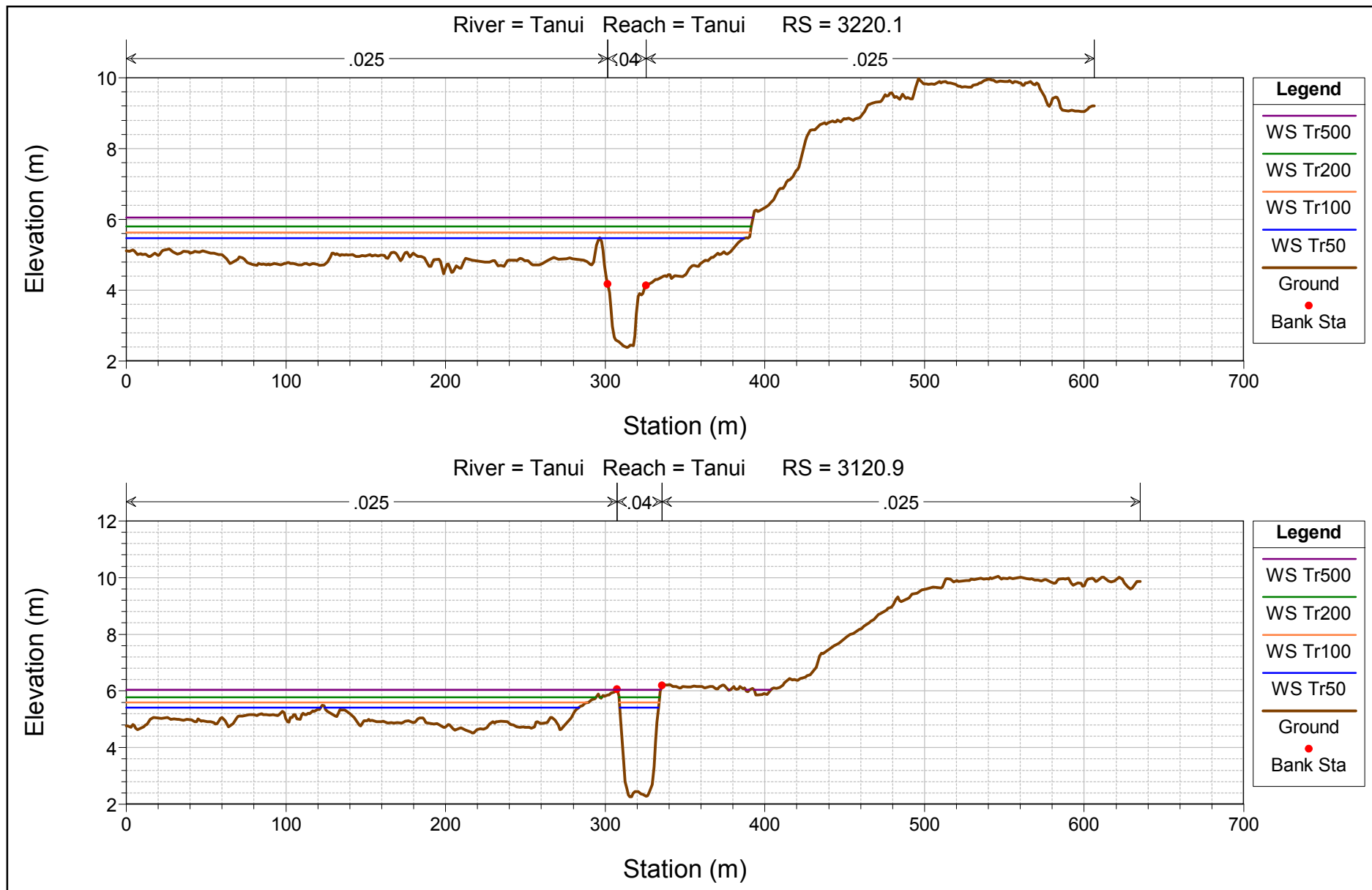




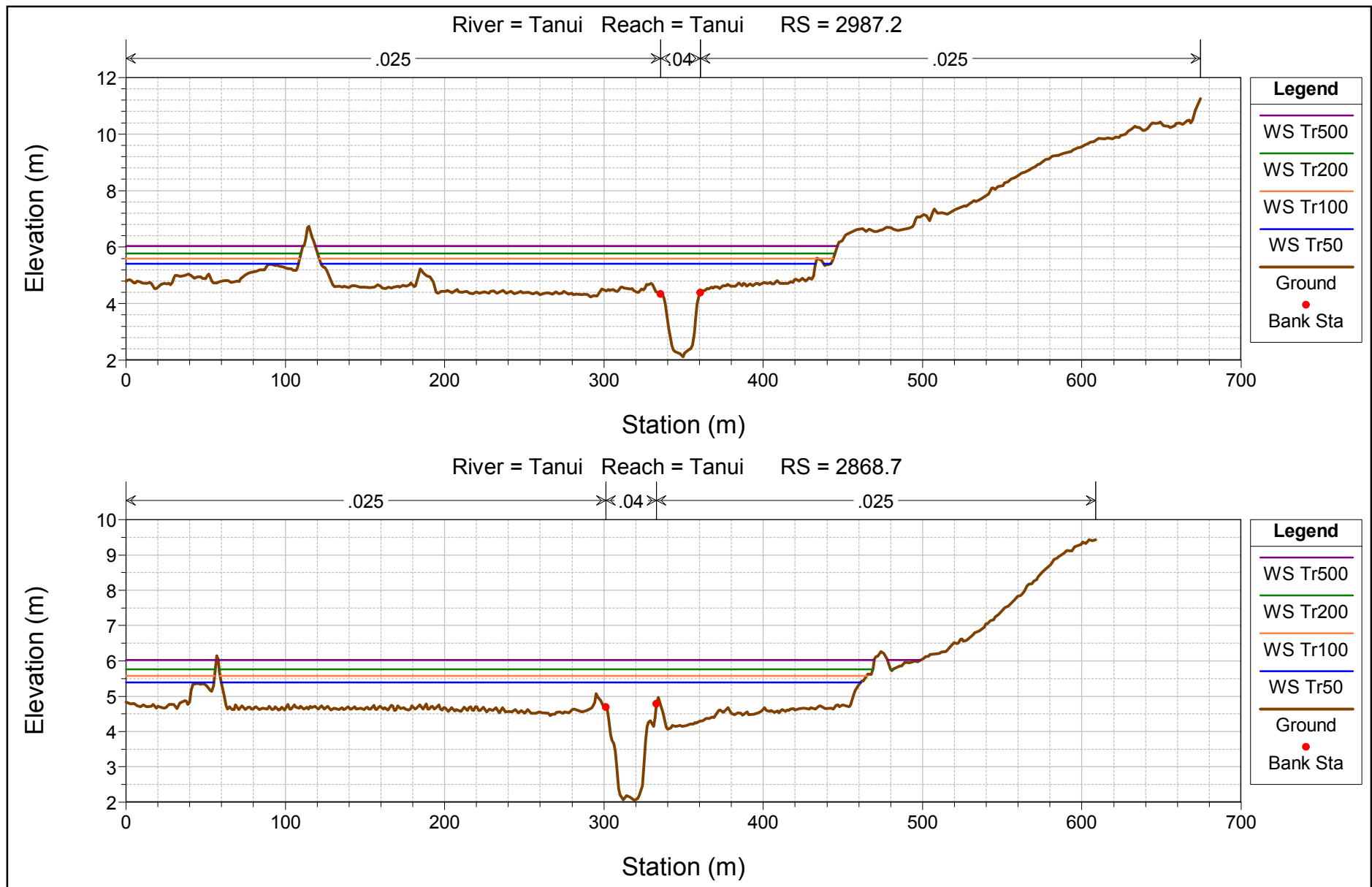


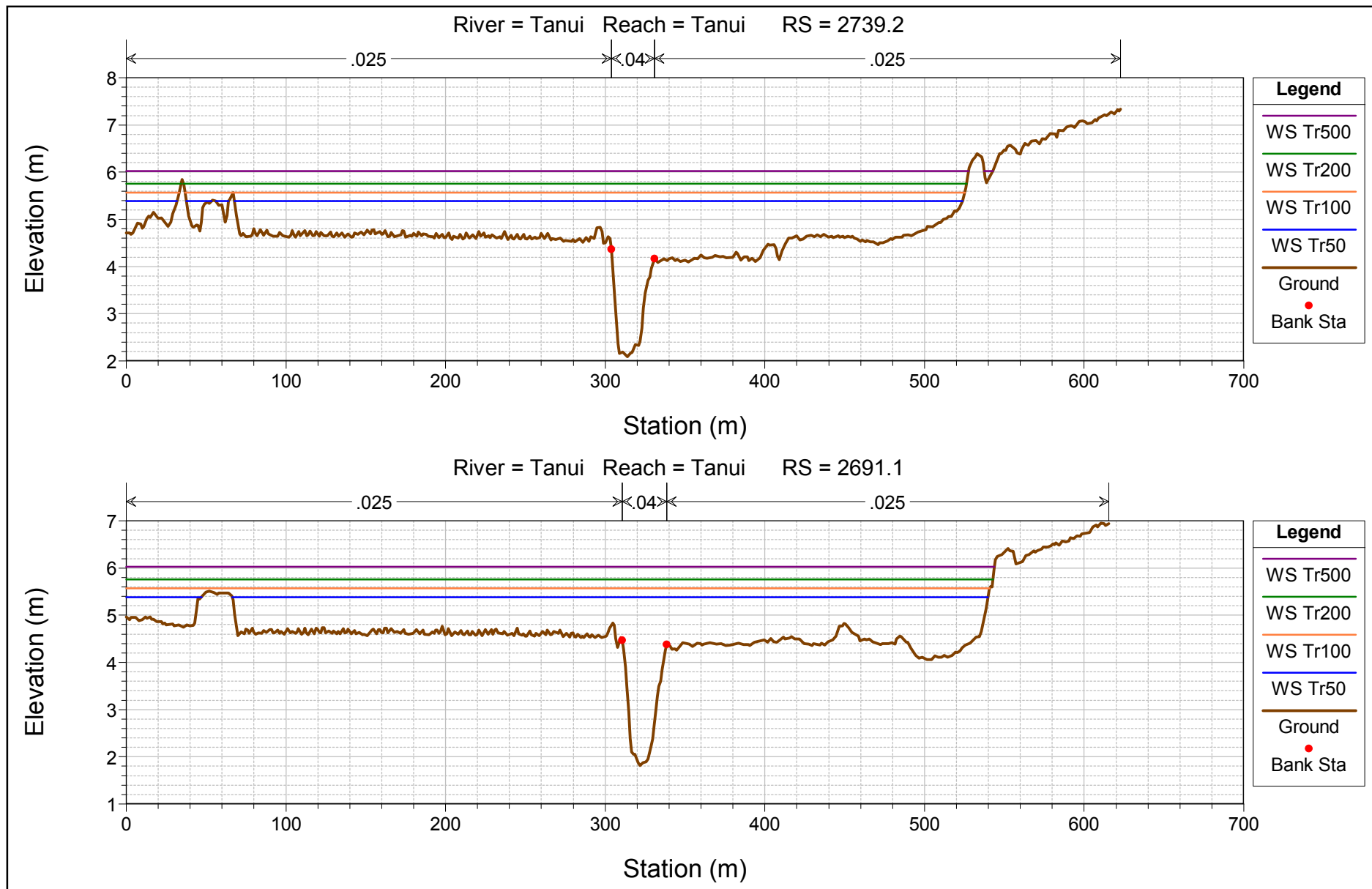


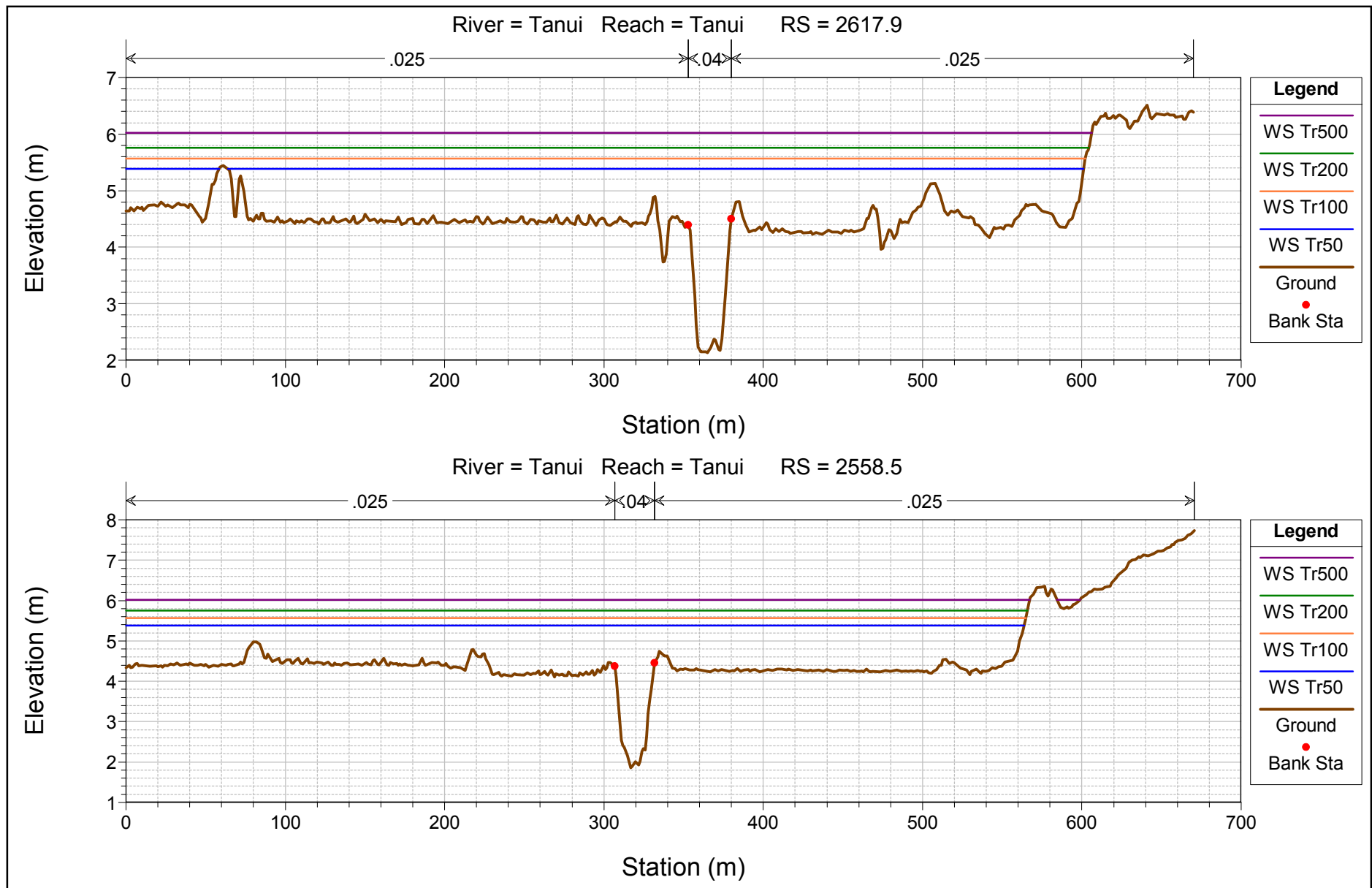


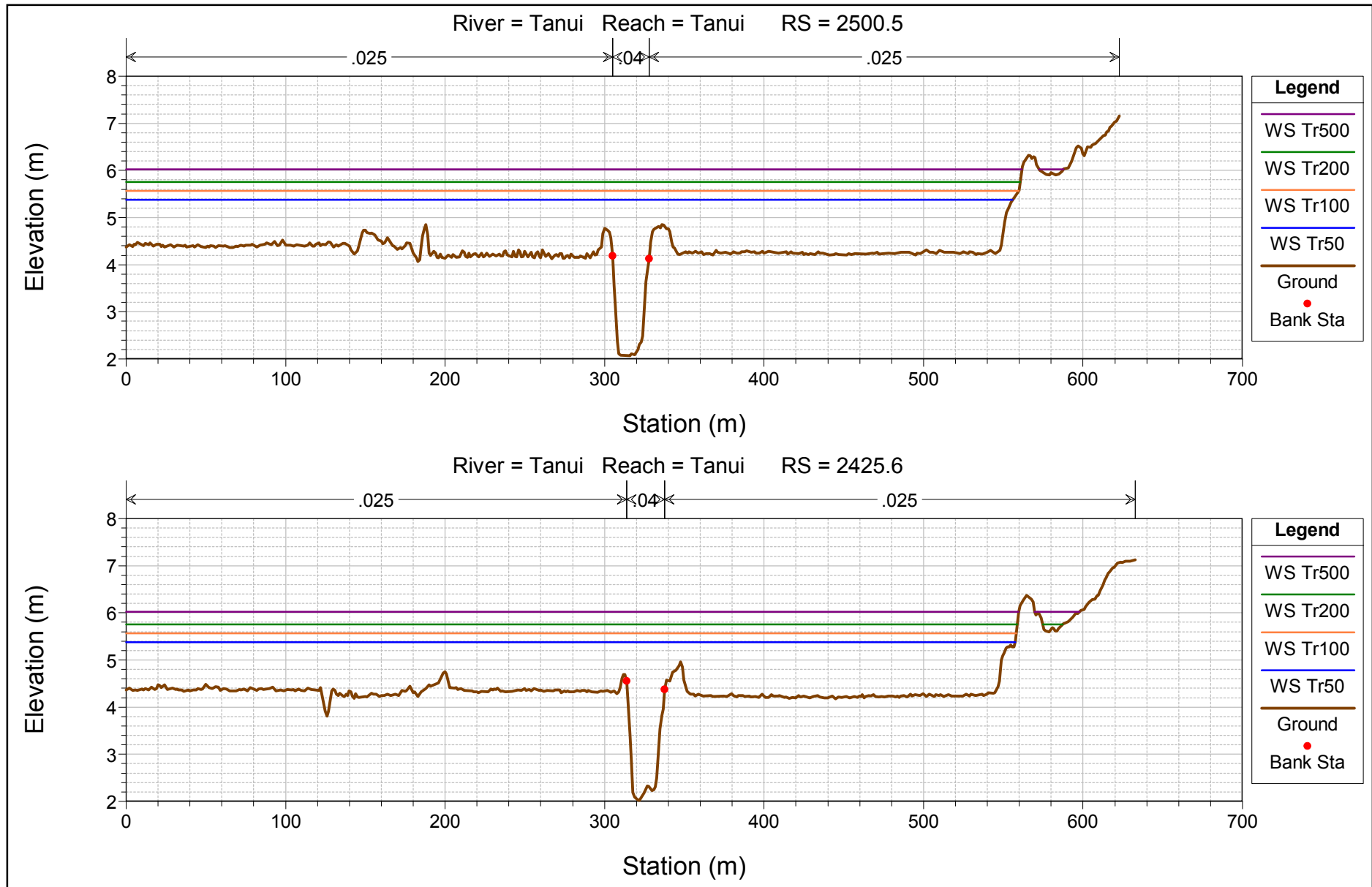


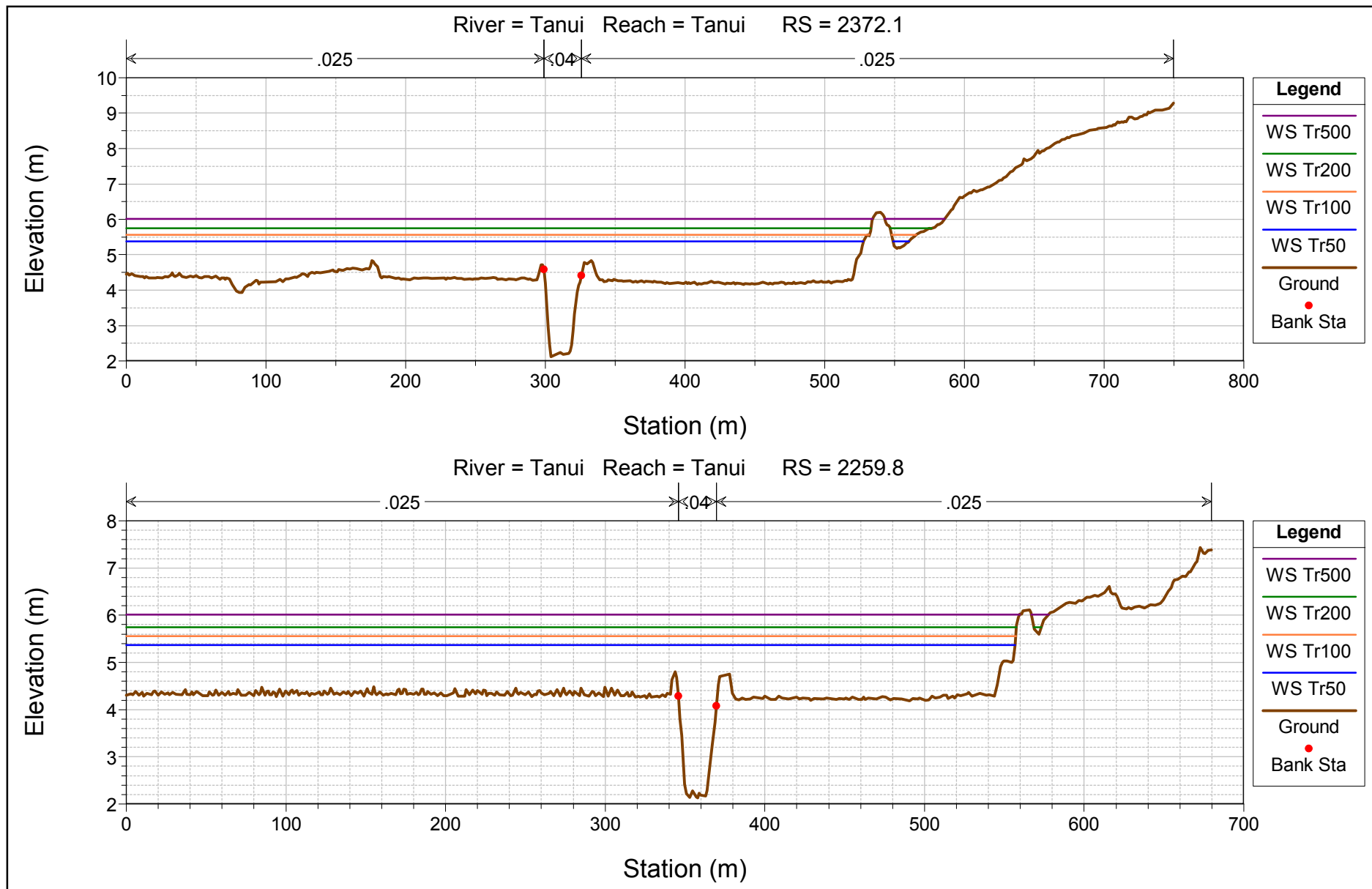


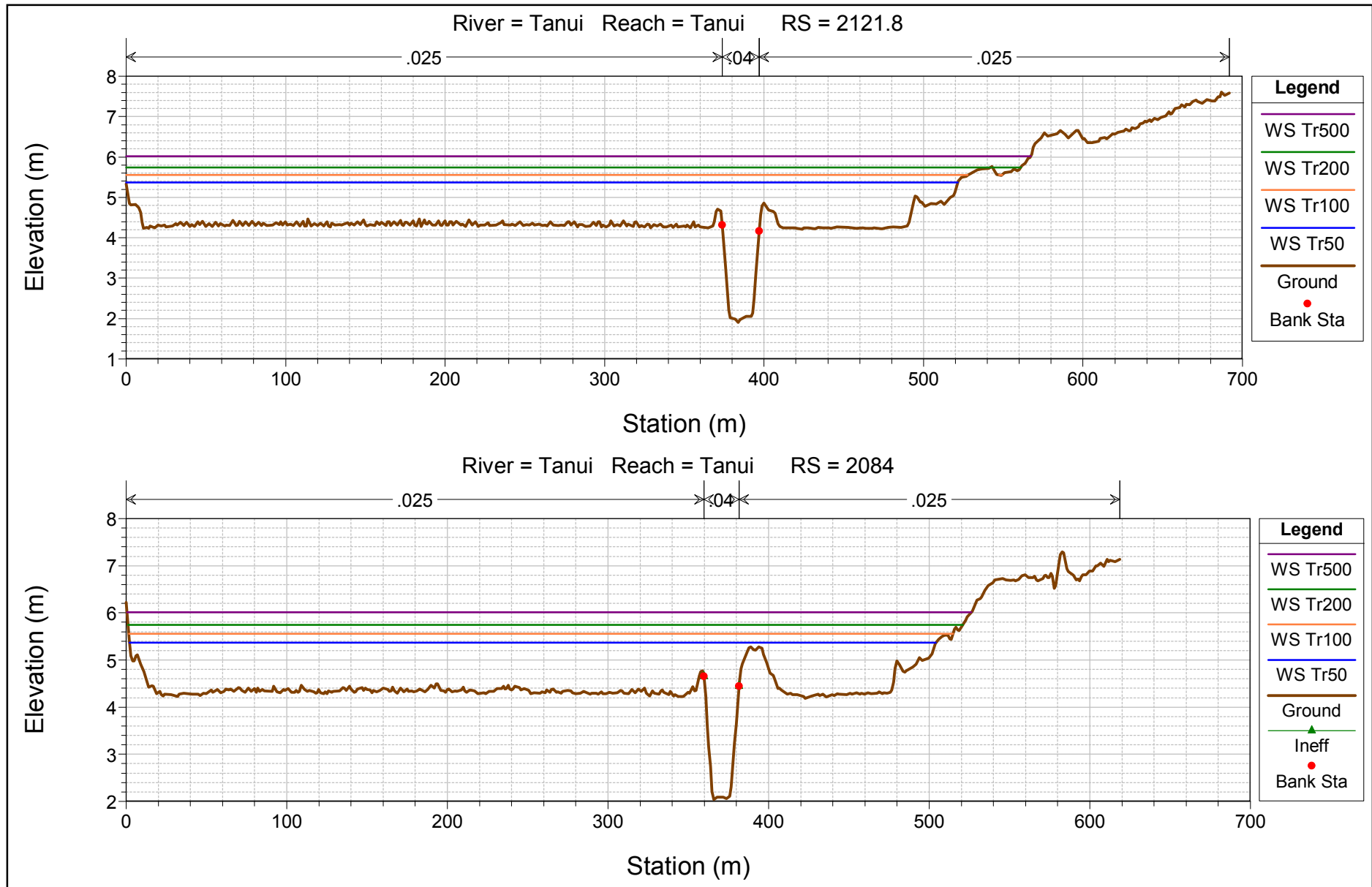


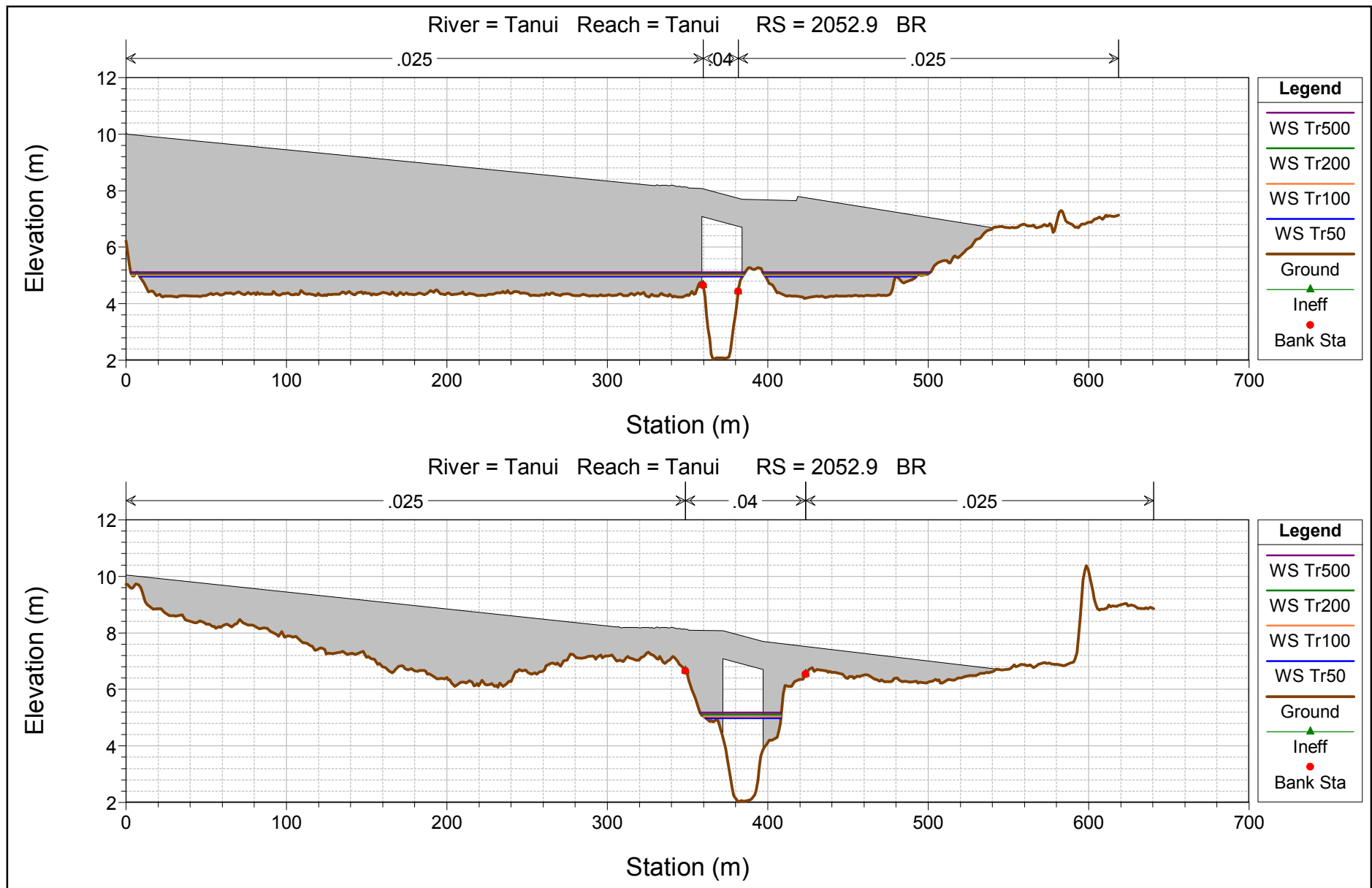


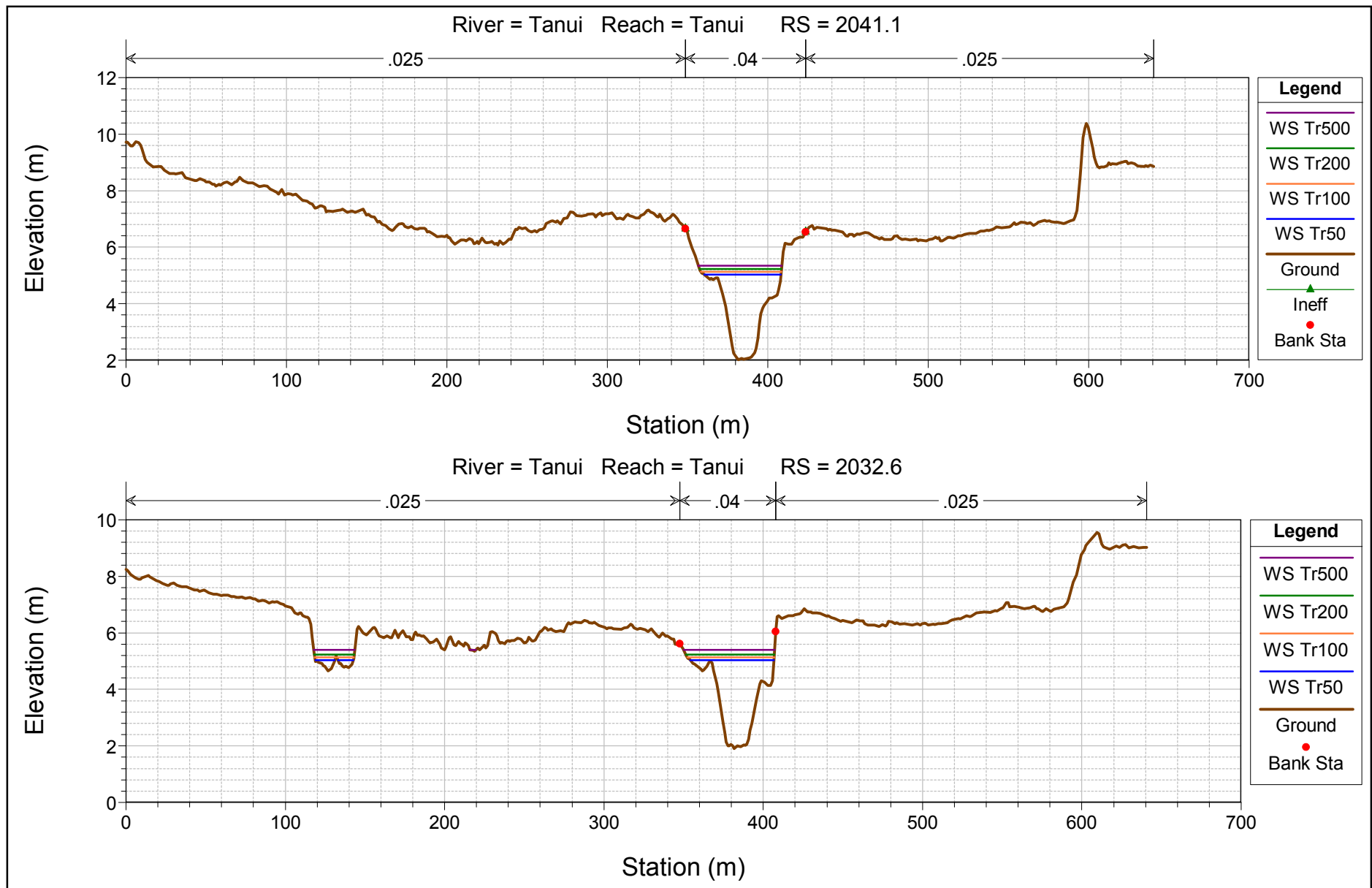




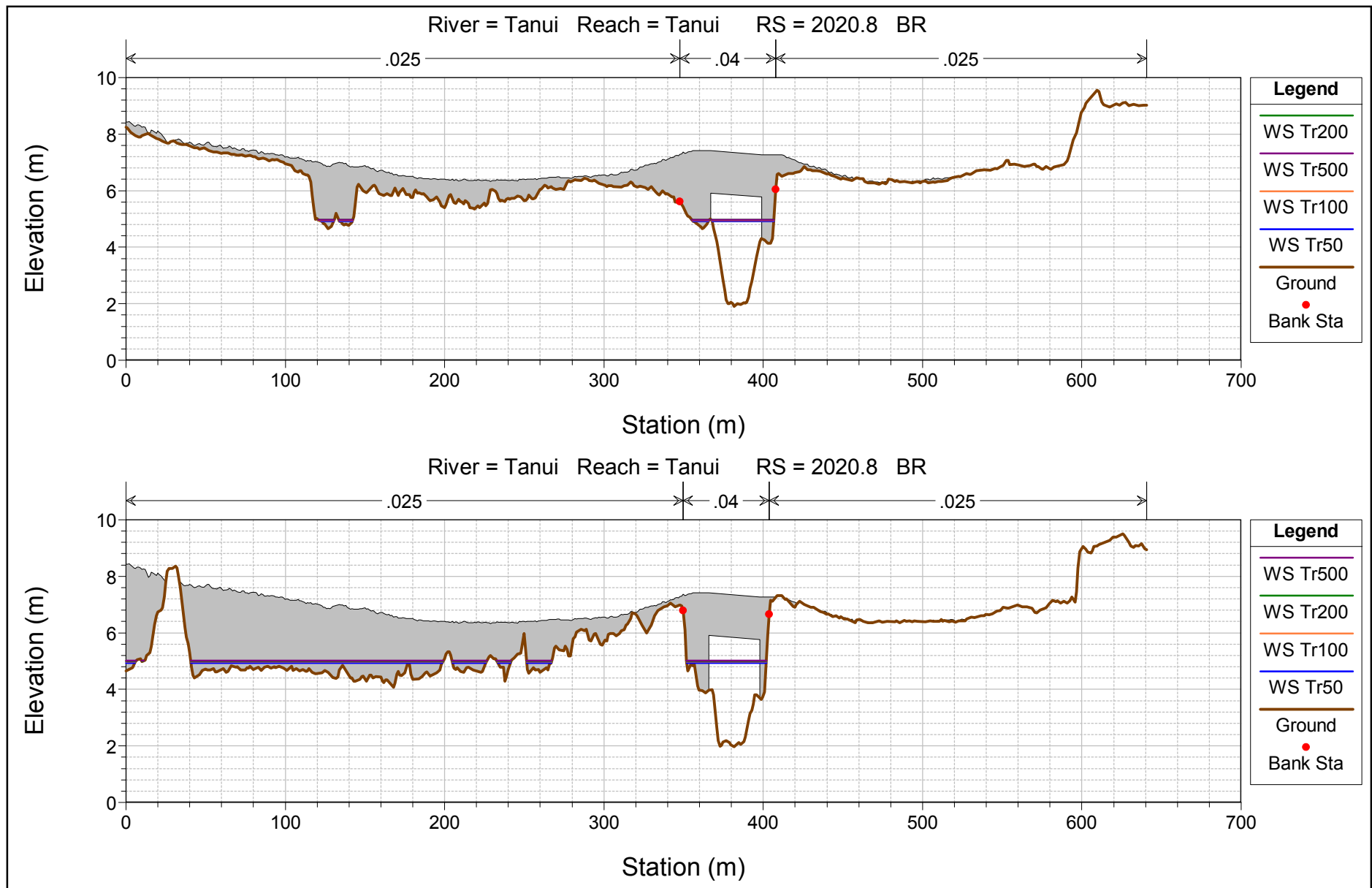


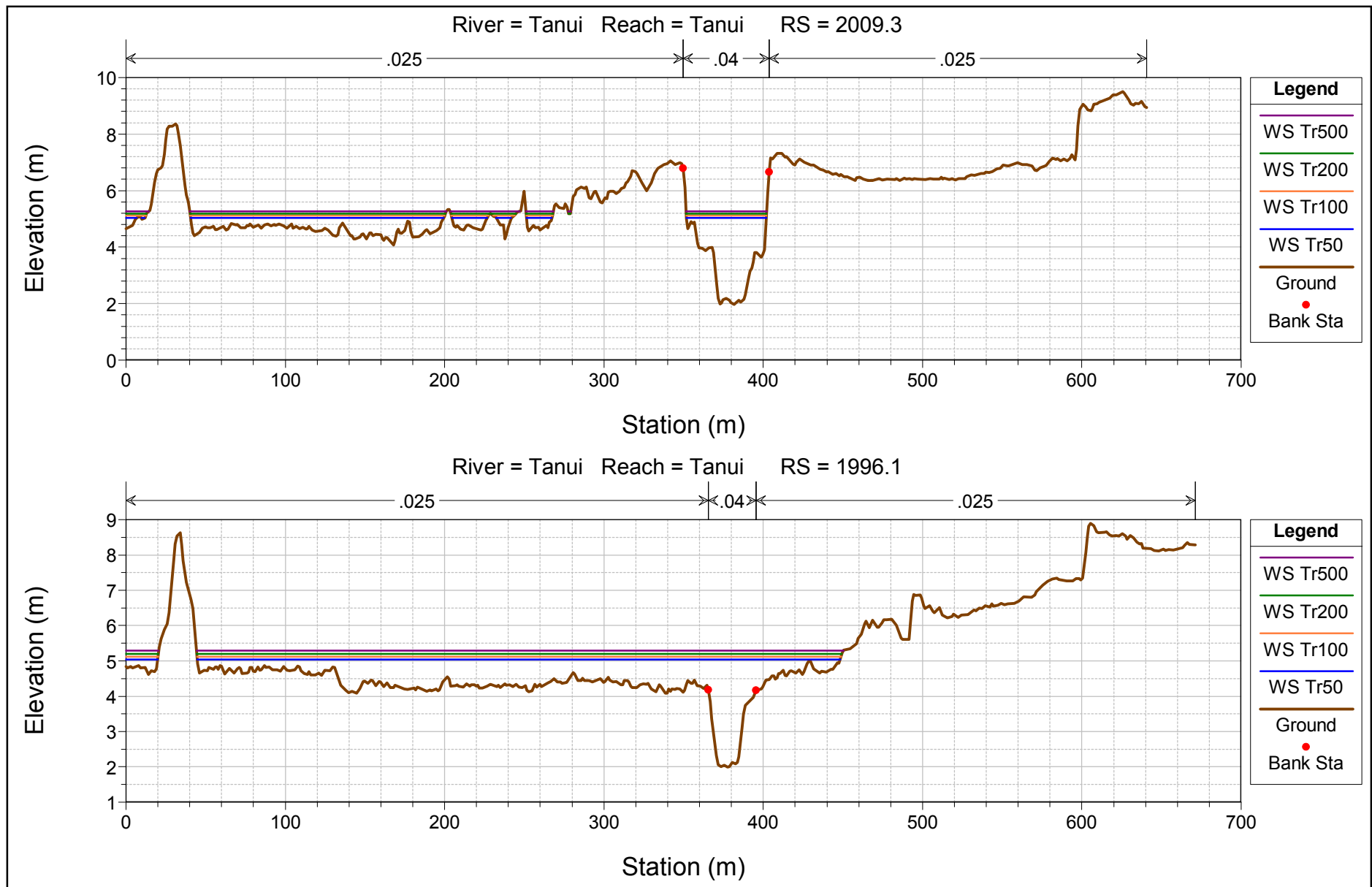


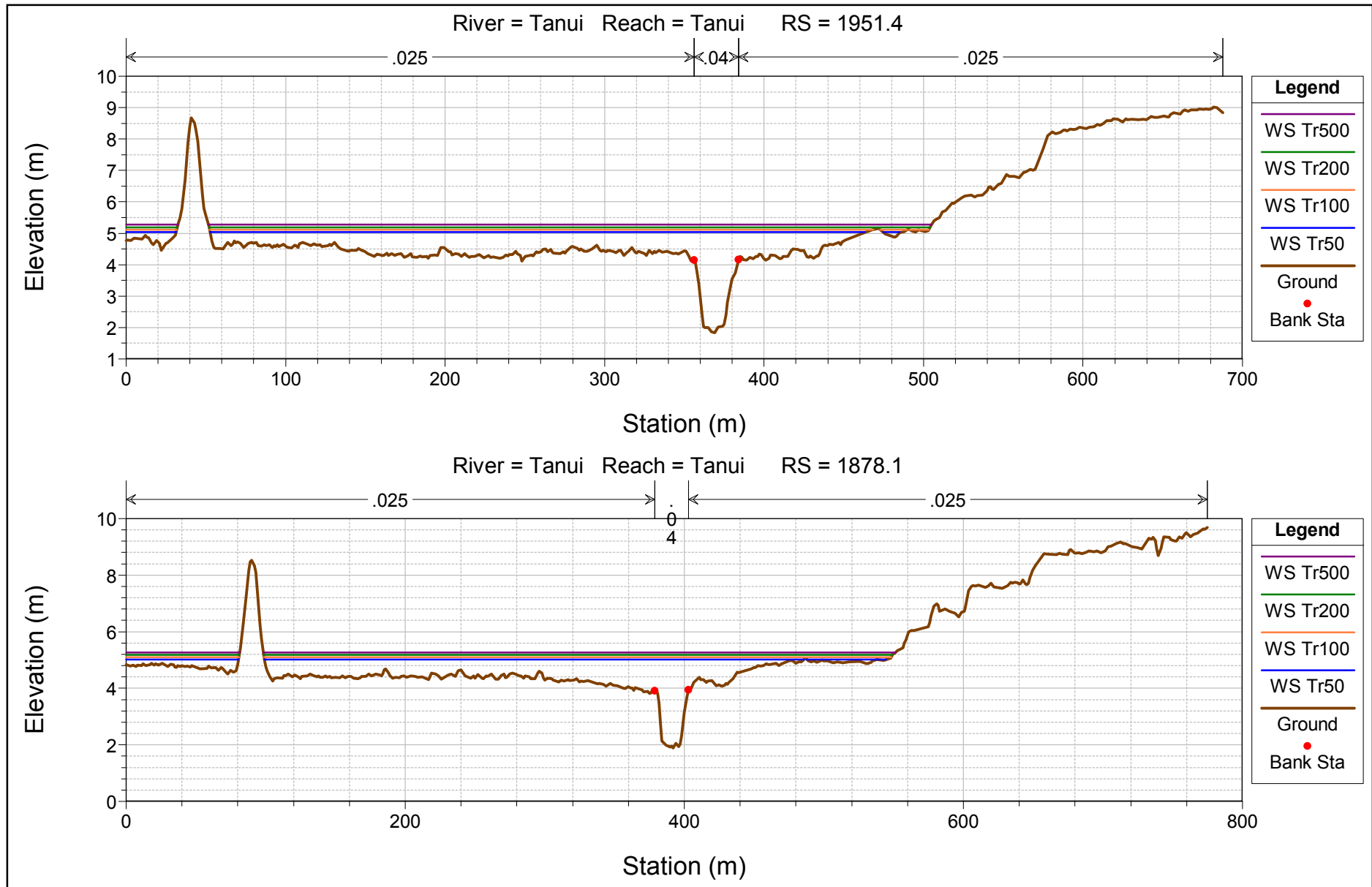


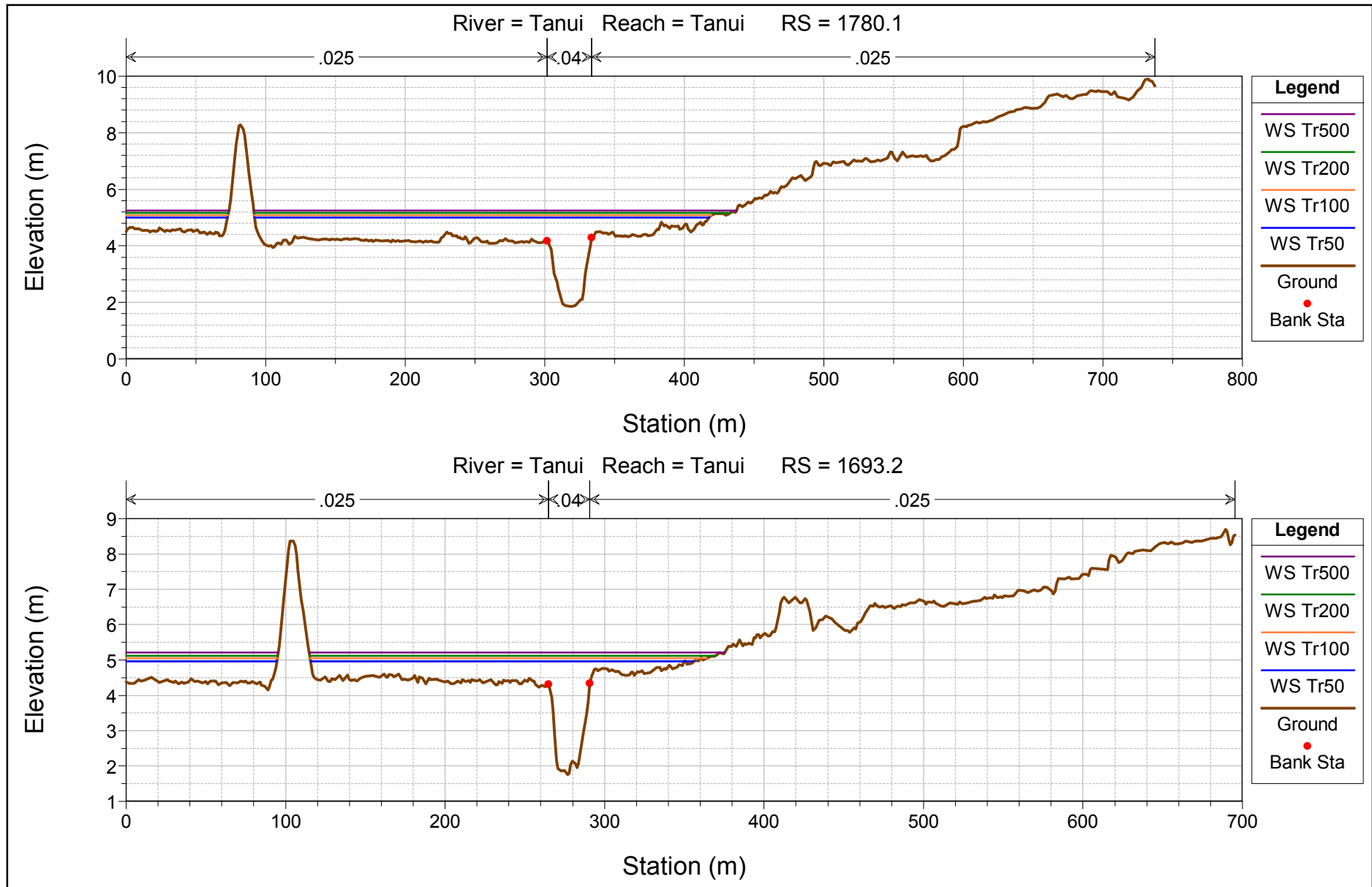


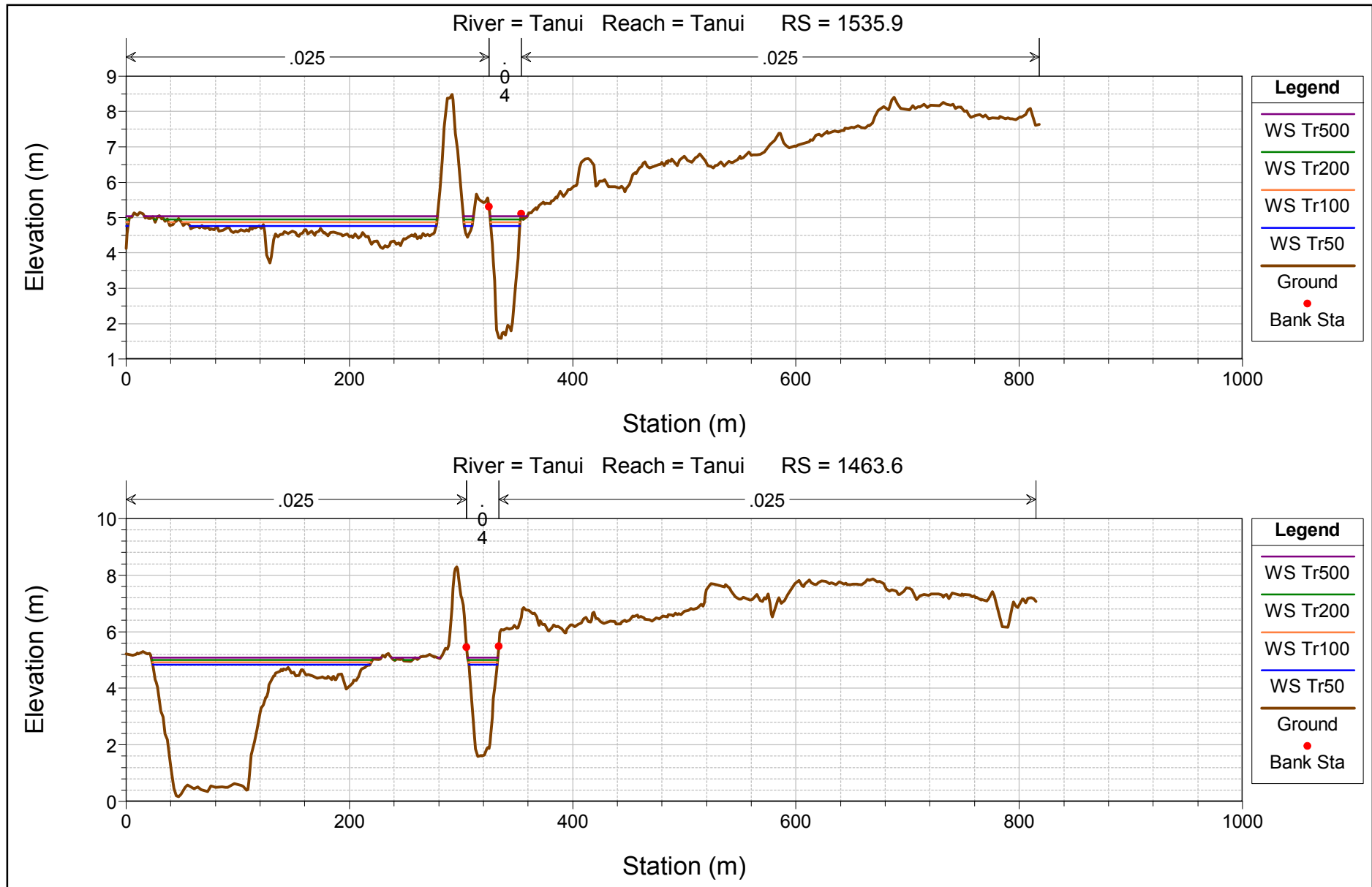


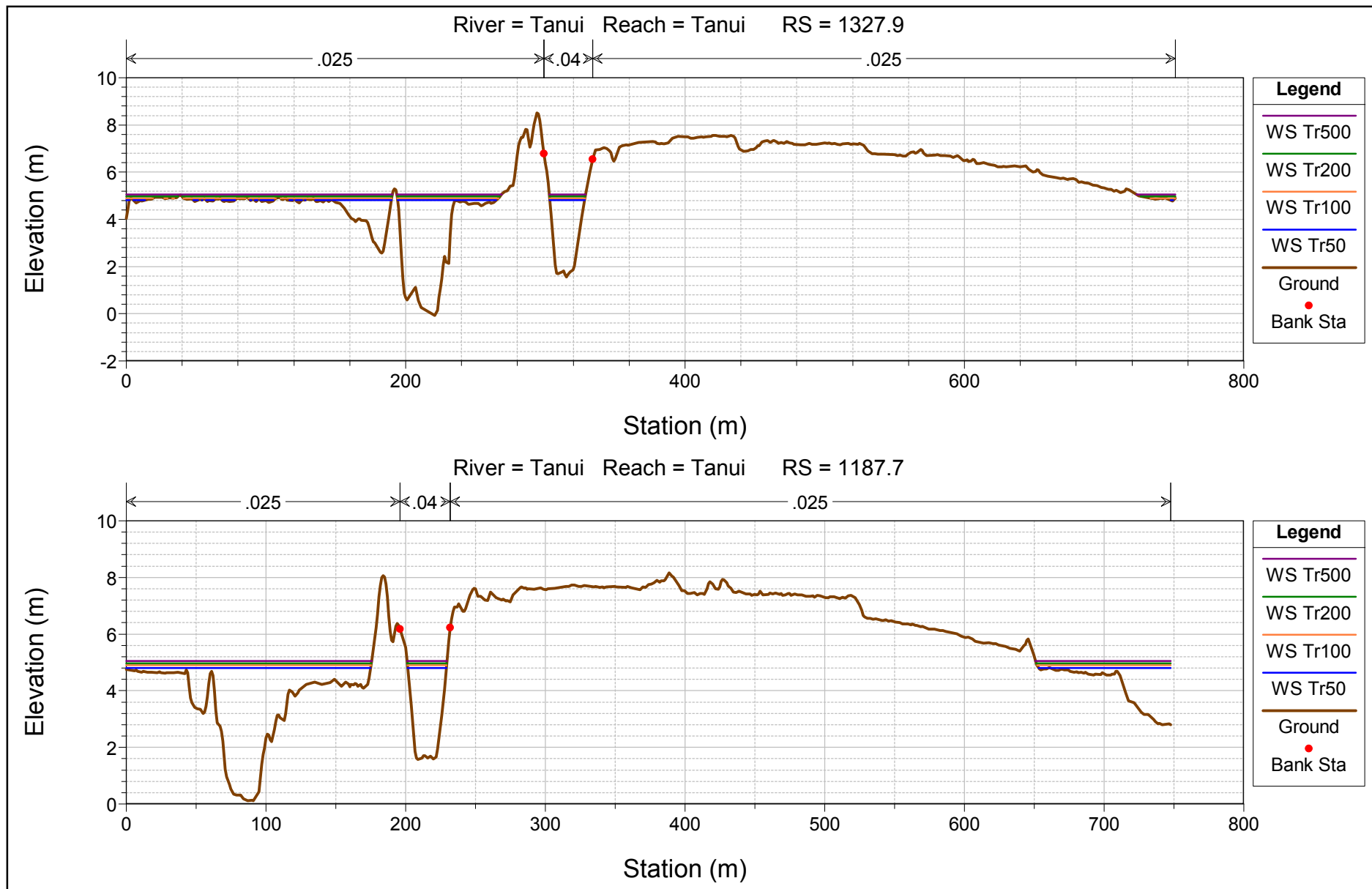


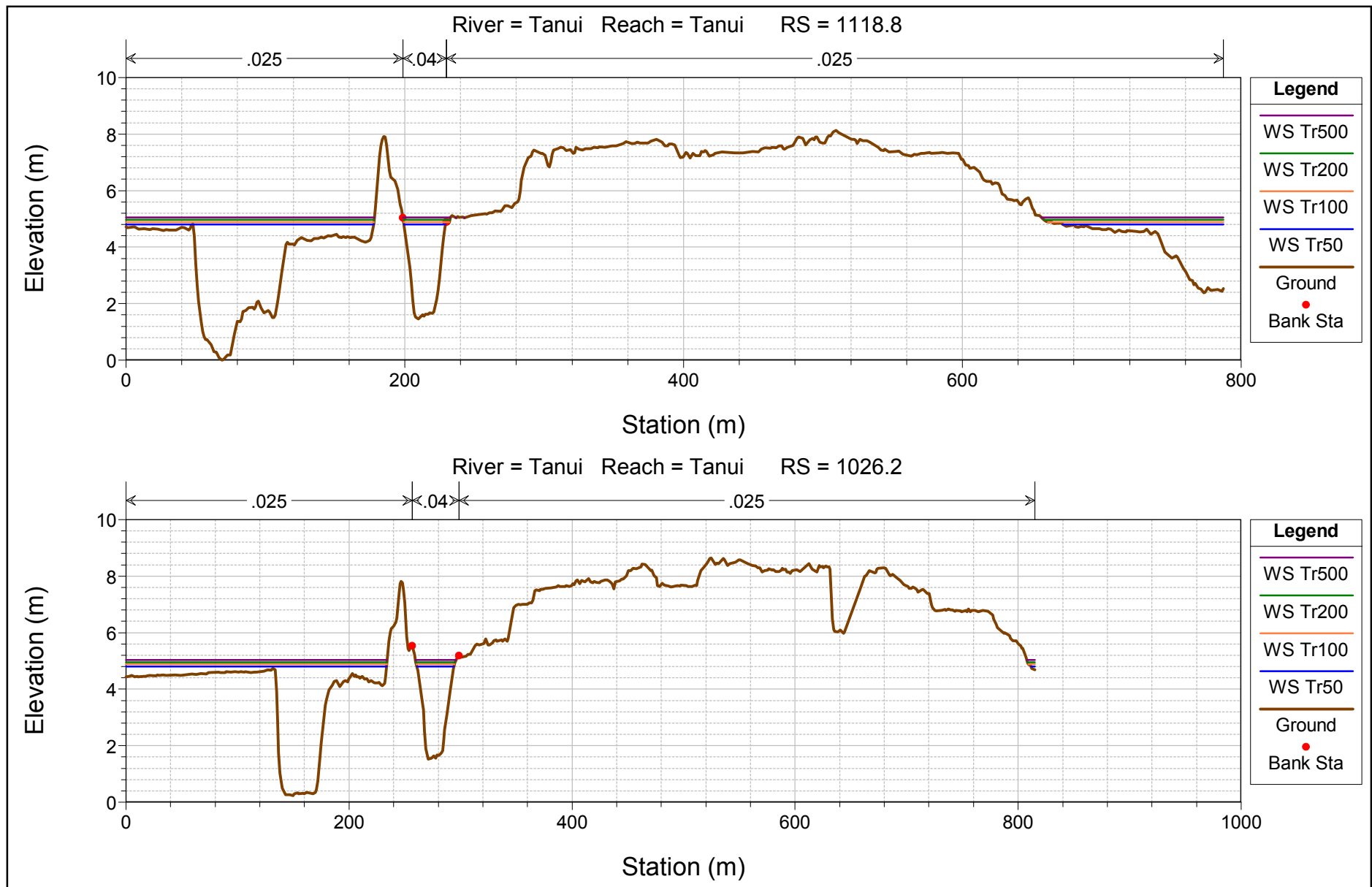


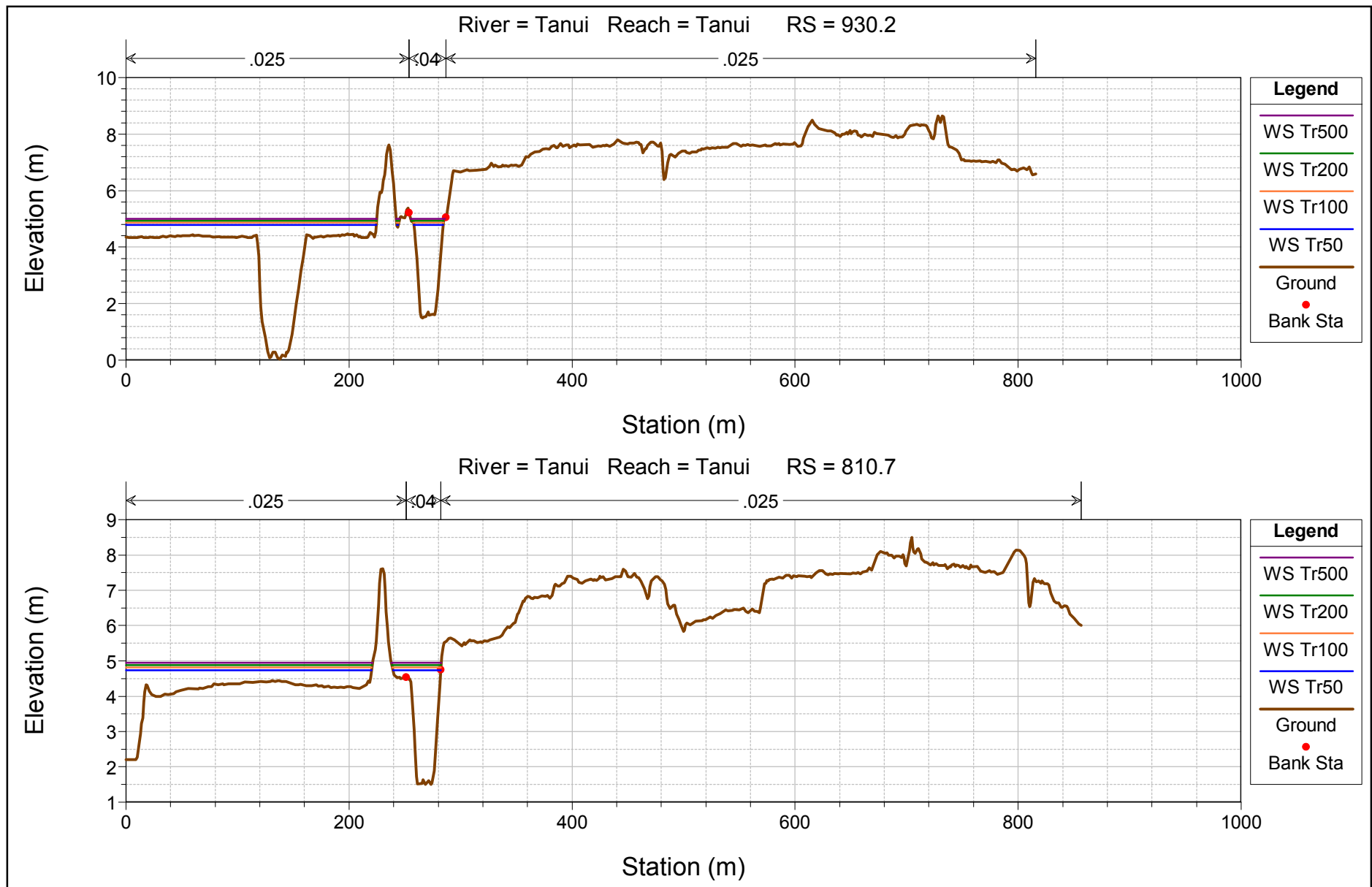






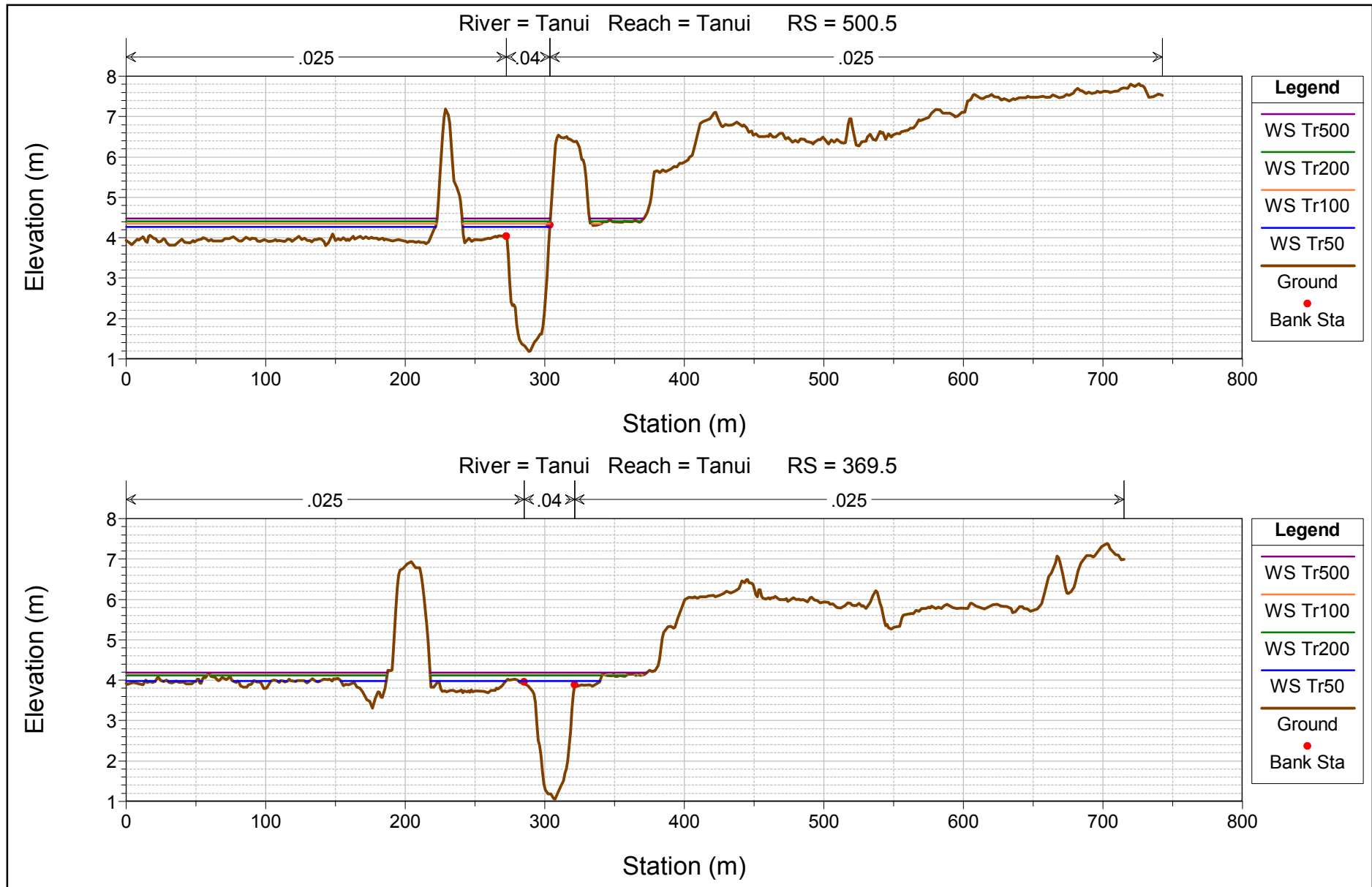


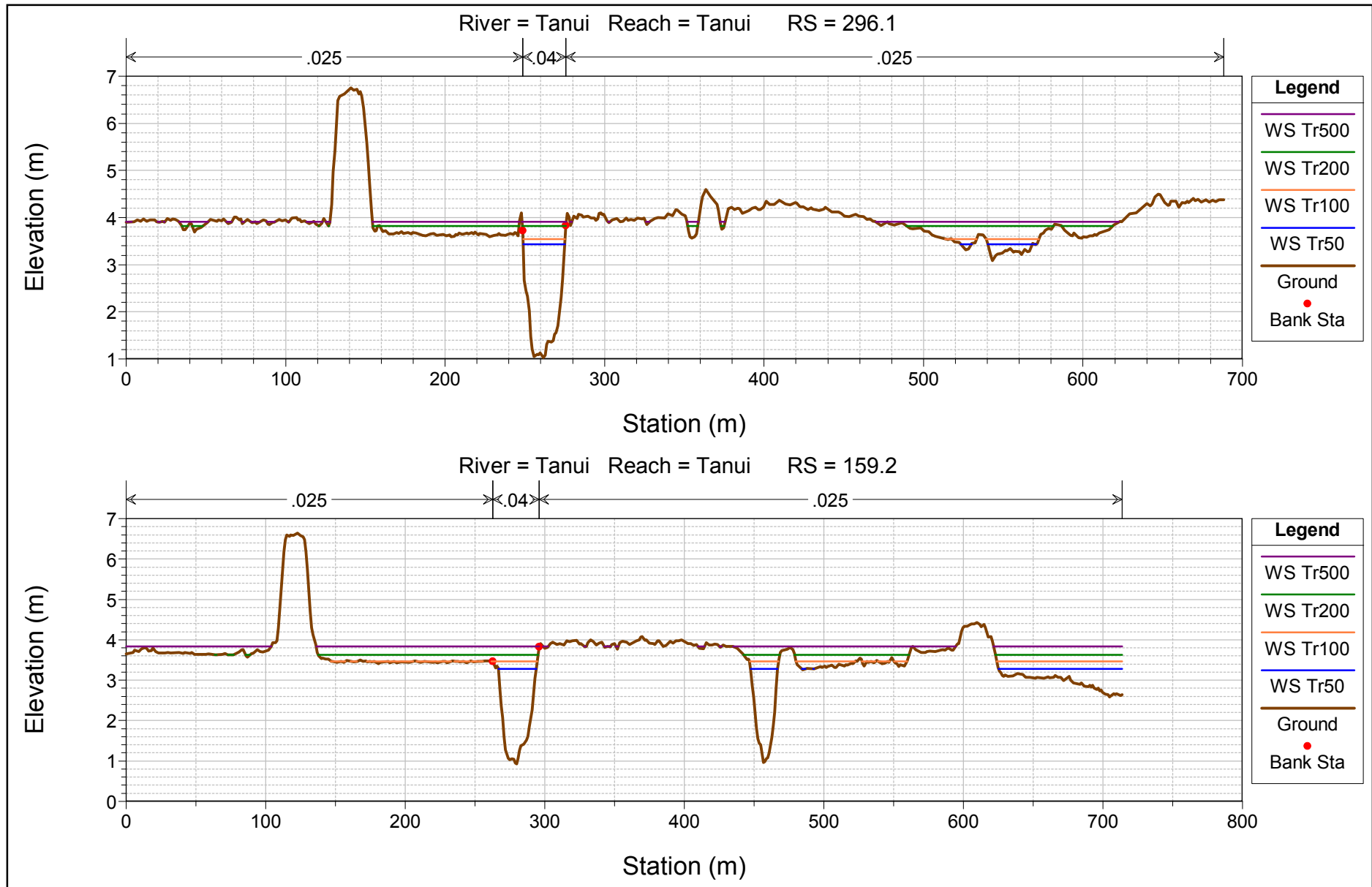


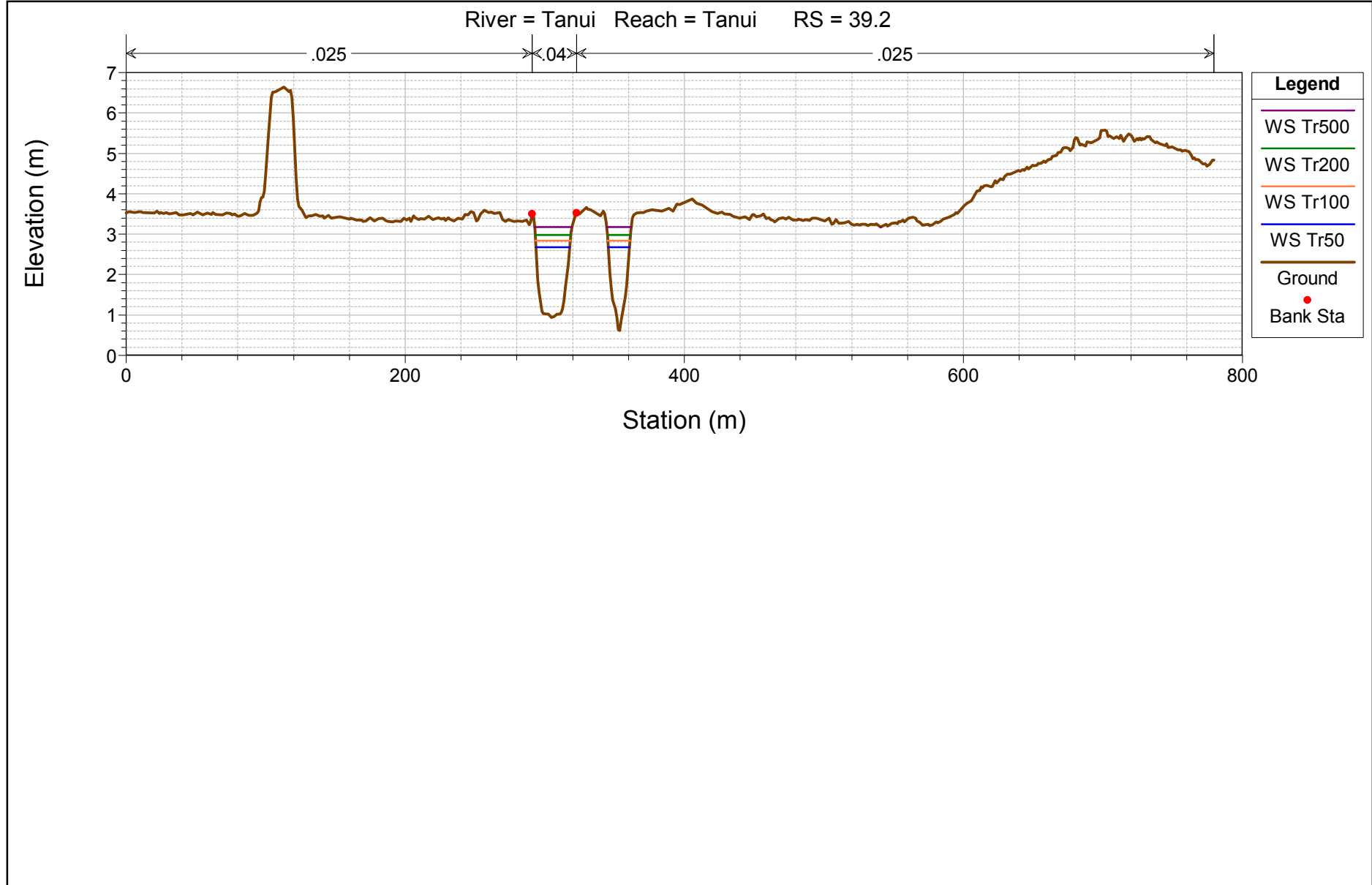




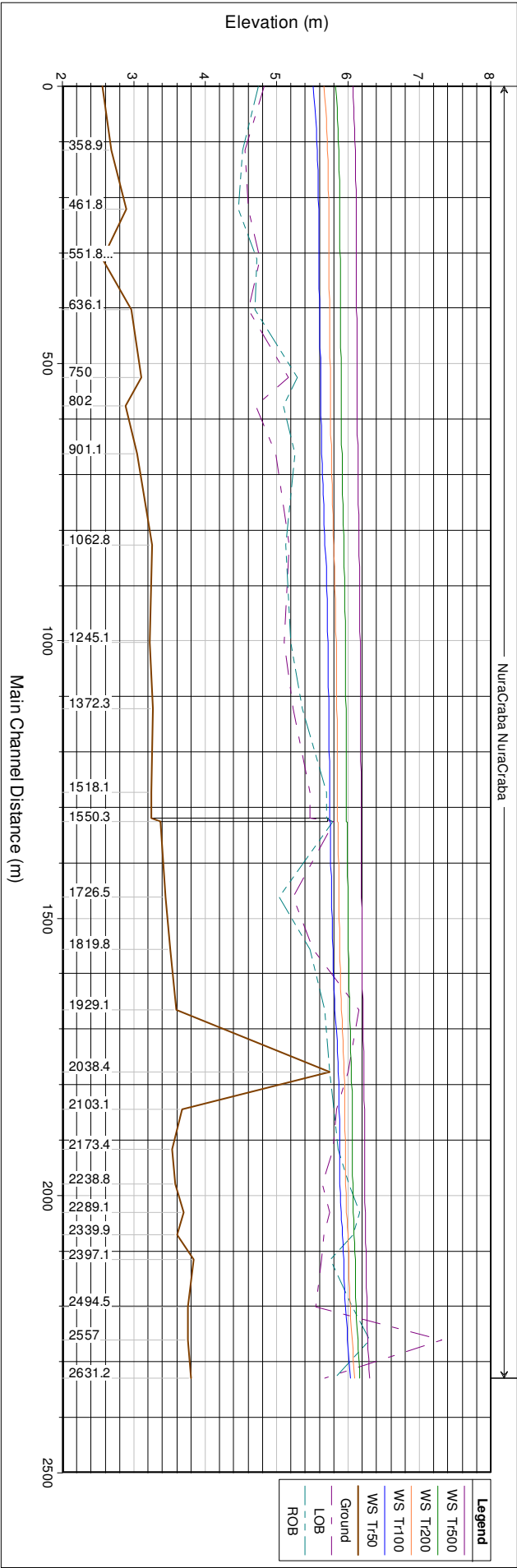


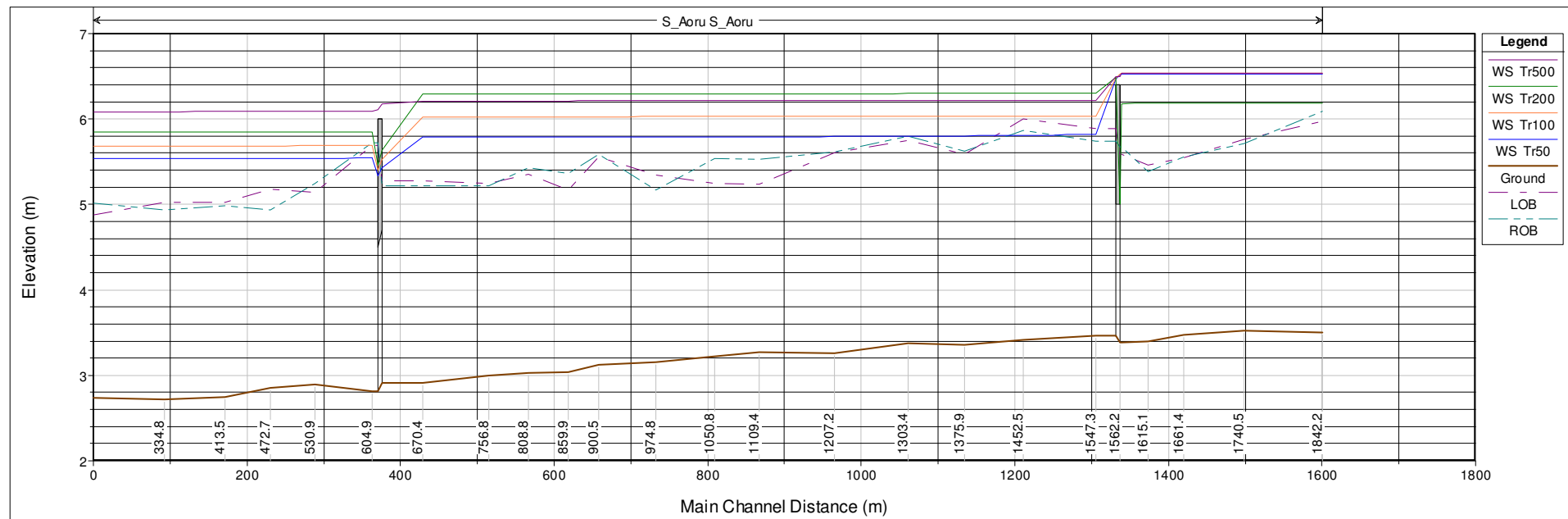


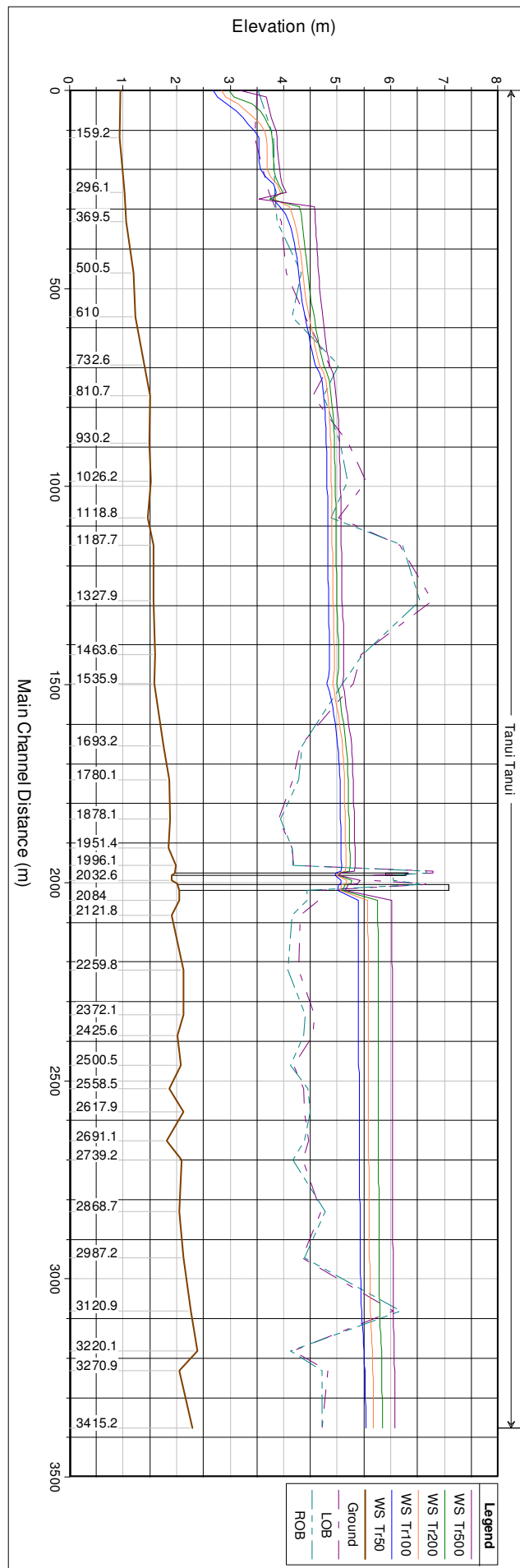




## PROFILI SISTEMA NURA CRABA - S'AORI - TANUI









## TABELLE SISTEMA NURA CRABA - S'AORI - TANUI

HEC-RAS Plan: Plan 01 Locations: User Defined

| River     | Reach     | River Sta | Profile | Q Total<br>(m3/s) | Min Ch El<br>(m) | W.S. Elev<br>(m) | Crit W.S.<br>(m) | E.G. Elev<br>(m) | E.G. Slope<br>(m/m) | Vel Chnl<br>(m/s) | Flow Area<br>(m2) | Top Width<br>(m) | Froude # Chl |
|-----------|-----------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| NuraCraba | NuraCraba | 2631.2    | Tr50    | 77.71             | 3.80             | 6.03             | 5.79             | 6.05             | 0.000465            | 0.65              | 170.10            | 455.08           | 0.18         |
| NuraCraba | NuraCraba | 2631.2    | Tr100   | 92.21             | 3.80             | 6.10             | 5.80             | 6.11             | 0.000429            | 0.64              | 198.27            | 477.63           | 0.17         |
| NuraCraba | NuraCraba | 2631.2    | Tr200   | 106.81            | 3.80             | 6.17             | 5.83             | 6.18             | 0.000377            | 0.62              | 233.48            | 519.47           | 0.16         |
| NuraCraba | NuraCraba | 2631.2    | Tr500   | 126.20            | 3.80             | 6.30             | 5.85             | 6.31             | 0.000234            | 0.52              | 302.32            | 529.67           | 0.13         |
| NuraCraba | NuraCraba | 2557      | Tr50    | 77.71             | 3.76             | 5.99             |                  | 6.01             | 0.000427            | 0.65              | 156.92            | 387.41           | 0.17         |
| NuraCraba | NuraCraba | 2557      | Tr100   | 92.21             | 3.76             | 6.06             |                  | 6.07             | 0.000406            | 0.64              | 182.48            | 413.48           | 0.16         |
| NuraCraba | NuraCraba | 2557      | Tr200   | 106.81            | 3.76             | 6.14             |                  | 6.15             | 0.000342            | 0.60              | 215.04            | 426.94           | 0.15         |
| NuraCraba | NuraCraba | 2557      | Tr500   | 126.20            | 3.76             | 6.28             |                  | 6.29             | 0.000228            | 0.50              | 278.83            | 460.20           | 0.12         |
| NuraCraba | NuraCraba | 2494.5    | Tr50    | 77.71             | 3.76             | 5.96             |                  | 5.97             | 0.000491            | 0.68              | 163.58            | 430.88           | 0.18         |
| NuraCraba | NuraCraba | 2494.5    | Tr100   | 92.21             | 3.76             | 6.03             |                  | 6.04             | 0.000430            | 0.65              | 193.48            | 441.93           | 0.17         |
| NuraCraba | NuraCraba | 2494.5    | Tr200   | 106.81            | 3.76             | 6.11             |                  | 6.13             | 0.000331            | 0.57              | 230.84            | 449.44           | 0.15         |
| NuraCraba | NuraCraba | 2494.5    | Tr500   | 126.20            | 3.76             | 6.26             |                  | 6.27             | 0.000201            | 0.47              | 299.48            | 476.87           | 0.12         |
| NuraCraba | NuraCraba | 2397.1    | Tr50    | 77.71             | 3.84             | 5.94             |                  | 5.95             | 0.000160            | 0.38              | 238.32            | 508.03           | 0.10         |
| NuraCraba | NuraCraba | 2397.1    | Tr100   | 92.21             | 3.84             | 6.01             |                  | 6.02             | 0.000149            | 0.38              | 274.76            | 509.87           | 0.10         |
| NuraCraba | NuraCraba | 2397.1    | Tr200   | 106.81            | 3.84             | 6.10             |                  | 6.11             | 0.000127            | 0.37              | 319.55            | 514.21           | 0.09         |
| NuraCraba | NuraCraba | 2397.1    | Tr500   | 126.20            | 3.84             | 6.26             |                  | 6.26             | 0.000092            | 0.33              | 400.22            | 519.75           | 0.08         |
| NuraCraba | NuraCraba | 2339.9    | Tr50    | 77.71             | 3.60             | 5.92             |                  | 5.93             | 0.000434            | 0.65              | 170.74            | 430.04           | 0.17         |
| NuraCraba | NuraCraba | 2339.9    | Tr100   | 92.21             | 3.60             | 6.00             |                  | 6.01             | 0.000362            | 0.61              | 202.92            | 439.54           | 0.16         |
| NuraCraba | NuraCraba | 2339.9    | Tr200   | 106.81            | 3.60             | 6.09             |                  | 6.10             | 0.000277            | 0.55              | 243.13            | 448.13           | 0.14         |
| NuraCraba | NuraCraba | 2339.9    | Tr500   | 126.20            | 3.60             | 6.25             |                  | 6.25             | 0.000167            | 0.46              | 316.45            | 462.99           | 0.11         |
| NuraCraba | NuraCraba | 2289.1    | Tr50    | 77.71             | 3.70             | 5.91             |                  | 5.92             | 0.000355            | 0.60              | 177.92            | 396.79           | 0.15         |
| NuraCraba | NuraCraba | 2289.1    | Tr100   | 92.21             | 3.70             | 5.98             |                  | 5.99             | 0.000303            | 0.56              | 208.28            | 396.20           | 0.14         |
| NuraCraba | NuraCraba | 2289.1    | Tr200   | 106.81            | 3.70             | 6.08             |                  | 6.08             | 0.000239            | 0.51              | 245.53            | 399.32           | 0.13         |
| NuraCraba | NuraCraba | 2289.1    | Tr500   | 126.20            | 3.70             | 6.24             |                  | 6.25             | 0.000153            | 0.43              | 313.05            | 424.82           | 0.10         |
| NuraCraba | NuraCraba | 2238.8    | Tr50    | 77.71             | 3.58             | 5.89             |                  | 5.90             | 0.000308            | 0.56              | 189.08            | 417.54           | 0.14         |
| NuraCraba | NuraCraba | 2238.8    | Tr100   | 92.21             | 3.58             | 5.97             |                  | 5.98             | 0.000260            | 0.53              | 222.44            | 431.75           | 0.13         |
| NuraCraba | NuraCraba | 2238.8    | Tr200   | 106.81            | 3.58             | 6.06             |                  | 6.07             | 0.000202            | 0.48              | 265.05            | 445.40           | 0.12         |
| NuraCraba | NuraCraba | 2238.8    | Tr500   | 126.20            | 3.58             | 6.23             |                  | 6.24             | 0.000127            | 0.41              | 340.50            | 450.52           | 0.10         |
| NuraCraba | NuraCraba | 2173.4    | Tr50    | 77.71             | 3.54             | 5.88             |                  | 5.88             | 0.000113            | 0.32              | 260.71            | 460.07           | 0.09         |
| NuraCraba | NuraCraba | 2173.4    | Tr100   | 92.21             | 3.54             | 5.96             |                  | 5.97             | 0.000105            | 0.32              | 297.63            | 460.88           | 0.08         |
| NuraCraba | NuraCraba | 2173.4    | Tr200   | 106.81            | 3.54             | 6.06             |                  | 6.06             | 0.000091            | 0.31              | 342.89            | 461.88           | 0.08         |
| NuraCraba | NuraCraba | 2173.4    | Tr500   | 126.20            | 3.54             | 6.23             |                  | 6.23             | 0.000067            | 0.28              | 421.95            | 466.25           | 0.07         |
| NuraCraba | NuraCraba | 2103.1    | Tr50    | 77.71             | 3.67             | 5.88             |                  | 5.88             | 0.000028            | 0.16              | 387.23            | 412.11           | 0.04         |
| NuraCraba | NuraCraba | 2103.1    | Tr100   | 92.21             | 3.67             | 5.96             |                  | 5.96             | 0.000030            | 0.17              | 420.30            | 413.68           | 0.05         |
| NuraCraba | NuraCraba | 2103.1    | Tr200   | 106.81            | 3.67             | 6.06             |                  | 6.06             | 0.000030            | 0.18              | 461.41            | 422.02           | 0.05         |
| NuraCraba | NuraCraba | 2103.1    | Tr500   | 126.20            | 3.67             | 6.23             |                  | 6.23             | 0.000026            | 0.18              | 536.22            | 451.40           | 0.04         |
| NuraCraba | NuraCraba | 2038.4    | Tr50    | 77.71             | 5.75             | 5.86             |                  | 5.87             | 0.000246            | 0.06              | 190.63            | 451.91           | 0.08         |
| NuraCraba | NuraCraba | 2038.4    | Tr100   | 92.21             | 5.75             | 5.95             |                  | 5.95             | 0.000242            | 0.09              | 228.58            | 479.92           | 0.09         |
| NuraCraba | NuraCraba | 2038.4    | Tr200   | 106.81            | 5.75             | 6.05             |                  | 6.05             | 0.000181            | 0.11              | 277.26            | 488.95           | 0.08         |
| NuraCraba | NuraCraba | 2038.4    | Tr500   | 126.20            | 5.75             | 6.22             |                  | 6.23             | 0.000109            | 0.13              | 363.42            | 507.07           | 0.07         |
| NuraCraba | NuraCraba | 1929.1    | Tr50    | 77.71             | 3.59             | 5.82             |                  | 5.83             | 0.000381            | 0.61              | 172.12            | 457.61           | 0.16         |
| NuraCraba | NuraCraba | 1929.1    | Tr100   | 92.21             | 3.59             | 5.91             |                  | 5.92             | 0.000294            | 0.56              | 215.12            | 480.63           | 0.14         |
| NuraCraba | NuraCraba | 1929.1    | Tr200   | 106.81            | 3.59             | 6.02             |                  | 6.03             | 0.000205            | 0.48              | 270.14            | 506.16           | 0.12         |
| NuraCraba | NuraCraba | 1929.1    | Tr500   | 126.20            | 3.59             | 6.21             |                  | 6.21             | 0.000117            | 0.38              | 366.61            | 538.19           | 0.09         |
| NuraCraba | NuraCraba | 1819.8    | Tr50    | 77.71             | 3.51             | 5.79             |                  | 5.79             | 0.000218            | 0.47              | 213.73            | 485.25           | 0.12         |
| NuraCraba | NuraCraba | 1819.8    | Tr100   | 92.21             | 3.51             | 5.89             |                  | 5.89             | 0.000170            | 0.43              | 263.09            | 496.44           | 0.11         |
| NuraCraba | NuraCraba | 1819.8    | Tr200   | 106.81            | 3.51             | 6.00             |                  | 6.01             | 0.000122            | 0.38              | 322.48            | 504.60           | 0.09         |
| NuraCraba | NuraCraba | 1819.8    | Tr500   | 126.20            | 3.51             | 6.20             |                  | 6.20             | 0.000076            | 0.32              | 421.10            | 523.30           | 0.07         |
| NuraCraba | NuraCraba | 1726.5    | Tr50    | 77.71             | 3.44             | 5.77             |                  | 5.77             | 0.000148            | 0.42              | 256.05            | 537.31           | 0.10         |
| NuraCraba | NuraCraba | 1726.5    | Tr100   | 92.21             | 3.44             | 5.87             |                  | 5.88             | 0.000113            | 0.38              | 312.43            | 540.77           | 0.09         |
| NuraCraba | NuraCraba | 1726.5    | Tr200   | 106.81            | 3.44             | 6.00             |                  | 6.00             | 0.000082            | 0.34              | 379.16            | 545.39           | 0.08         |
| NuraCraba | NuraCraba | 1726.5    | Tr500   | 126.20            | 3.44             | 6.19             |                  | 6.20             | 0.000051            | 0.28              | 486.67            | 554.20           | 0.06         |
| NuraCraba | NuraCraba | 1571.5    | Tr50    | 77.71             | 3.37             | 5.75             | 4.85             | 5.76             | 0.000093            | 0.31              | 291.82            | 540.60           | 0.08         |
| NuraCraba | NuraCraba | 1571.5    | Tr100   | 92.21             | 3.37             | 5.86             | 5.15             | 5.86             | 0.000077            | 0.28              | 351.43            | 554.26           | 0.07         |
| NuraCraba | NuraCraba | 1571.5    | Tr200   | 106.81            | 3.37             | 5.99             | 5.20             | 5.99             | 0.000059            | 0.26              | 422.12            | 564.10           | 0.06         |
| NuraCraba | NuraCraba | 1571.5    | Tr500   | 126.20            | 3.37             | 6.19             | 5.26             | 6.19             | 0.000039            | 0.23              | 535.64            | 581.18           | 0.05         |
| NuraCraba | NuraCraba | 1550.3    |         | Bridge            |                  |                  |                  |                  |                     |                   |                   |                  |              |
| NuraCraba | NuraCraba | 1518.1    | Tr50    | 77.71             | 3.24             | 5.74             |                  | 5.74             | 0.000051            | 0.21              | 360.94            | 532.23           | 0.06         |
| NuraCraba | NuraCraba | 1518.1    | Tr100   | 92.21             | 3.24             | 5.85             |                  | 5.86             | 0.000044            | 0.21              | 419.83            | 538.60           | 0.06         |
| NuraCraba | NuraCraba | 1518.1    | Tr200   | 106.81            | 3.24             | 5.98             |                  | 5.98             | 0.000036            | 0.20              | 489.35            | 549.31           | 0.05         |
| NuraCraba | NuraCraba | 1518.1    | Tr500   | 126.20            | 3.24             | 6.18             |                  | 6.18             | 0.000026            | 0.18              | 602.86            | 583.62           | 0.04         |
| NuraCraba | NuraCraba | 1372.3    | Tr50    | 77.71             | 3.27             | 5.73             |                  | 5.73             | 0.000100            | 0.34              | 277.39            | 460.22           | 0.08         |
| NuraCraba | NuraCraba | 1372.3    | Tr100   | 92.21             | 3.27             | 5.84             |                  | 5.85             | 0.000081            | 0.32              | 329.07            | 461.70           | 0.08         |
| NuraCraba | NuraCraba | 1372.3    | Tr200   | 106.81            | 3.27             | 5.97             |                  | 5.98             | 0.000063            | 0.30              | 389.31            | 466.03           | 0.07         |
| NuraCraba | NuraCraba | 1372.3    | Tr500   | 126.20            | 3.27             | 6.18             |                  | 6.18             | 0.000043            | 0.26              | 484.93            | 471.55           | 0.06         |
| NuraCraba | NuraCraba | 1245.1    | Tr50    | 77.71             | 3.22             | 5.72             |                  | 5.72             | 0.000094            | 0.35              | 270.95            | 413.24           | 0.08         |
| NuraCraba | NuraCraba | 1245.1    | Tr100   | 92.21             | 3.22             | 5.83             |                  | 5.84             | 0.000079            | 0.33              | 318.52            | 419.32           | 0.08         |
| NuraCraba | NuraCraba | 1245.1    | Tr200   | 106.81            | 3.22             | 5.96             |                  | 5.97             | 0.000063            | 0.31              | 374.03            | 420.77           | 0.07         |
| NuraCraba | NuraCraba | 1245.1    | Tr500   | 126.20            | 3.22             | 6.17             |                  | 6.17             | 0.000044            | 0.28              | 460.80            | 421.46           | 0.06         |
| NuraCraba | NuraCraba | 1062.8    | Tr50    | 77.71             | 3.26             | 5.68             |                  | 5.69             | 0.000299            | 0.59              | 169.37            | 309.46           | 0.15         |
| NuraCraba | NuraCraba | 1062.8    | Tr100   | 92.21             | 3.26             | 5.80             |                  | 5.81             | 0.000224            | 0.54              | 207.11            | 310.07           | 0.13         |
| NuraCraba | NuraCraba | 1062.8    | Tr200   | 106.81            | 3.26             | 5.94             |                  | 5.95             | 0.000164            | 0.48              | 250.20            | 310.87           | 0.11         |
| NuraCraba | NuraCraba | 1062.8    | Tr500   | 126.20            | 3.26             | 6.15             |                  | 6.16             | 0.000106            | 0.42              | 316.57            | 312.23           | 0.09         |
| NuraCraba | NuraCraba | 901.1     | Tr50    | 77.71             | 3.05             | 5.63             |                  | 5.64             | 0.000225            | 0.55              | 175.93            | 271.15           | 0.13         |
| NuraCraba | NuraCraba | 901.1     | Tr100   | 92.21             | 3.05             | 5.77             |                  | 5.78             | 0.000178            | 0.51              | 212.09            | 275.28           | 0.12         |

HEC-RAS Plan: Plan 01 Locations: User Defined (Continued)

| River     | Reach     | River Sta | Profile | Q Total<br>(m3/s) | Min Ch El<br>(m) | W.S. Elev<br>(m) | Crit W.S.<br>(m) | E.G. Elev<br>(m) | E.G. Slope<br>(m/m) | Vel Chnl<br>(m/s) | Flow Area<br>(m2) | Top Width<br>(m) | Froude # Chl |
|-----------|-----------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| NuraCraba | NuraCraba | 901.1     | Tr200   | 106.81            | 3.05             | 5.91             |                  | 5.92             | 0.000136            | 0.47              | 252.77            | 276.48           | 0.10         |
| NuraCraba | NuraCraba | 901.1     | Tr500   | 126.20            | 3.05             | 6.13             |                  | 6.14             | 0.000094            | 0.42              | 314.17            | 277.85           | 0.09         |
| NuraCraba | NuraCraba | 802       | Tr50    | 77.71             | 2.88             | 5.62             |                  | 5.63             | 0.000129            | 0.43              | 229.22            | 362.94           | 0.10         |
| NuraCraba | NuraCraba | 802       | Tr100   | 92.21             | 2.88             | 5.76             |                  | 5.76             | 0.000099            | 0.39              | 279.43            | 373.50           | 0.09         |
| NuraCraba | NuraCraba | 802       | Tr200   | 106.81            | 2.88             | 5.91             |                  | 5.91             | 0.000075            | 0.36              | 337.41            | 397.95           | 0.08         |
| NuraCraba | NuraCraba | 802       | Tr500   | 126.20            | 2.88             | 6.13             |                  | 6.14             | 0.000053            | 0.32              | 428.68            | 413.97           | 0.06         |
| NuraCraba | NuraCraba | 750       | Tr50    | 77.71             | 3.10             | 5.62             |                  | 5.62             | 0.000079            | 0.32              | 281.66            | 399.96           | 0.08         |
| NuraCraba | NuraCraba | 750       | Tr100   | 92.21             | 3.10             | 5.75             |                  | 5.76             | 0.000064            | 0.30              | 337.44            | 409.03           | 0.07         |
| NuraCraba | NuraCraba | 750       | Tr200   | 106.81            | 3.10             | 5.90             |                  | 5.91             | 0.000052            | 0.29              | 400.64            | 429.37           | 0.06         |
| NuraCraba | NuraCraba | 750       | Tr500   | 126.20            | 3.10             | 6.13             |                  | 6.13             | 0.000036            | 0.26              | 498.99            | 444.89           | 0.05         |
| NuraCraba | NuraCraba | 636.1     | Tr50    | 77.71             | 2.96             | 5.60             |                  | 5.61             | 0.000113            | 0.44              | 218.87            | 275.94           | 0.09         |
| NuraCraba | NuraCraba | 636.1     | Tr100   | 92.21             | 2.96             | 5.74             |                  | 5.75             | 0.000094            | 0.42              | 257.70            | 282.34           | 0.09         |
| NuraCraba | NuraCraba | 636.1     | Tr200   | 106.81            | 2.96             | 5.89             |                  | 5.90             | 0.000080            | 0.41              | 301.92            | 292.27           | 0.08         |
| NuraCraba | NuraCraba | 636.1     | Tr500   | 126.20            | 2.96             | 6.12             |                  | 6.13             | 0.000058            | 0.37              | 369.59            | 301.87           | 0.07         |
| NuraCraba | NuraCraba | 551.8     | Tr50    | 77.71             | 2.56             | 5.60             |                  | 5.60             | 0.000052            | 0.29              | 300.50            | 343.36           | 0.06         |
| NuraCraba | NuraCraba | 551.8     | Tr100   | 92.21             | 2.56             | 5.74             |                  | 5.74             | 0.000045            | 0.29              | 348.71            | 343.96           | 0.06         |
| NuraCraba | NuraCraba | 551.8     | Tr200   | 106.81            | 2.56             | 5.89             |                  | 5.89             | 0.000038            | 0.27              | 401.78            | 344.97           | 0.06         |
| NuraCraba | NuraCraba | 551.8     | Tr500   | 126.20            | 2.56             | 6.12             |                  | 6.12             | 0.000030            | 0.26              | 481.03            | 349.62           | 0.05         |
| NuraCraba | NuraCraba | 461.8     | Tr50    | 77.71             | 2.89             | 5.59             |                  | 5.59             | 0.000070            | 0.35              | 254.95            | 276.89           | 0.07         |
| NuraCraba | NuraCraba | 461.8     | Tr100   | 92.21             | 2.89             | 5.73             |                  | 5.73             | 0.000062            | 0.34              | 294.04            | 278.33           | 0.07         |
| NuraCraba | NuraCraba | 461.8     | Tr200   | 106.81            | 2.89             | 5.88             |                  | 5.89             | 0.000054            | 0.33              | 337.43            | 286.09           | 0.07         |
| NuraCraba | NuraCraba | 461.8     | Tr500   | 126.20            | 2.89             | 6.11             |                  | 6.12             | 0.000042            | 0.31              | 403.64            | 290.60           | 0.06         |
| NuraCraba | NuraCraba | 358.9     | Tr50    | 77.71             | 2.69             | 5.57             |                  | 5.58             | 0.000187            | 0.58              | 166.96            | 199.81           | 0.12         |
| NuraCraba | NuraCraba | 358.9     | Tr100   | 92.21             | 2.69             | 5.71             |                  | 5.72             | 0.000160            | 0.55              | 195.68            | 202.36           | 0.11         |
| NuraCraba | NuraCraba | 358.9     | Tr200   | 106.81            | 2.69             | 5.87             |                  | 5.88             | 0.000134            | 0.53              | 227.92            | 207.87           | 0.10         |
| NuraCraba | NuraCraba | 358.9     | Tr500   | 126.20            | 2.69             | 6.10             |                  | 6.11             | 0.000101            | 0.49              | 276.62            | 211.55           | 0.09         |
| NuraCraba | NuraCraba | 241.9     | Tr50    | 77.71             | 2.56             | 5.51             |                  | 5.54             | 0.000454            | 0.88              | 107.10            | 123.58           | 0.19         |
| NuraCraba | NuraCraba | 241.9     | Tr100   | 92.21             | 2.56             | 5.66             |                  | 5.69             | 0.000397            | 0.86              | 125.56            | 124.64           | 0.18         |
| NuraCraba | NuraCraba | 241.9     | Tr200   | 106.81            | 2.56             | 5.82             |                  | 5.85             | 0.000337            | 0.83              | 146.03            | 126.99           | 0.17         |
| NuraCraba | NuraCraba | 241.9     | Tr500   | 126.20            | 2.56             | 6.06             |                  | 6.09             | 0.000257            | 0.77              | 176.63            | 128.35           | 0.15         |
| S_Aoru    | S_Aoru    | 1842.2    | Tr50    | 60.59             | 3.50             | 6.53             | 5.05             | 6.53             | 0.000006            | 0.09              | 752.54            | 943.63           | 0.02         |
| S_Aoru    | S_Aoru    | 1842.2    | Tr100   | 71.75             | 3.50             | 6.54             | 5.20             | 6.54             | 0.000008            | 0.10              | 765.05            | 943.63           | 0.02         |
| S_Aoru    | S_Aoru    | 1842.2    | Tr200   | 82.96             | 3.50             | 6.19             | 5.33             | 6.19             | 0.000061            | 0.26              | 436.11            | 928.01           | 0.07         |
| S_Aoru    | S_Aoru    | 1842.2    | Tr500   | 97.81             | 3.50             | 6.54             | 5.82             | 6.54             | 0.000014            | 0.14              | 766.18            | 943.63           | 0.03         |
| S_Aoru    | S_Aoru    | 1740.5    | Tr50    | 60.59             | 3.52             | 6.52             |                  | 6.53             | 0.000003            | 0.07              | 998.31            | 1143.20          | 0.01         |
| S_Aoru    | S_Aoru    | 1740.5    | Tr100   | 71.75             | 3.52             | 6.54             |                  | 6.54             | 0.000004            | 0.08              | 1013.35           | 1143.20          | 0.02         |
| S_Aoru    | S_Aoru    | 1740.5    | Tr200   | 82.96             | 3.52             | 6.18             |                  | 6.19             | 0.000026            | 0.19              | 610.31            | 1133.26          | 0.04         |
| S_Aoru    | S_Aoru    | 1740.5    | Tr500   | 97.81             | 3.52             | 6.54             |                  | 6.54             | 0.000007            | 0.11              | 1014.33           | 1143.20          | 0.02         |
| S_Aoru    | S_Aoru    | 1661.4    | Tr50    | 60.59             | 3.47             | 6.52             |                  | 6.52             | 0.000003            | 0.07              | 1019.29           | 1127.84          | 0.01         |
| S_Aoru    | S_Aoru    | 1661.4    | Tr100   | 71.75             | 3.47             | 6.54             |                  | 6.54             | 0.000003            | 0.08              | 1034.06           | 1127.84          | 0.02         |
| S_Aoru    | S_Aoru    | 1661.4    | Tr200   | 82.96             | 3.47             | 6.18             |                  | 6.18             | 0.000023            | 0.18              | 634.05            | 1127.84          | 0.04         |
| S_Aoru    | S_Aoru    | 1661.4    | Tr500   | 97.81             | 3.47             | 6.54             |                  | 6.54             | 0.000006            | 0.11              | 1034.76           | 1127.84          | 0.02         |
| S_Aoru    | S_Aoru    | 1615.1    | Tr50    | 60.59             | 3.40             | 6.52             |                  | 6.52             | 0.000003            | 0.07              | 993.18            | 1090.06          | 0.01         |
| S_Aoru    | S_Aoru    | 1615.1    | Tr100   | 71.75             | 3.40             | 6.54             |                  | 6.54             | 0.000004            | 0.08              | 1007.40           | 1090.06          | 0.02         |
| S_Aoru    | S_Aoru    | 1615.1    | Tr200   | 82.96             | 3.40             | 6.18             |                  | 6.18             | 0.000024            | 0.19              | 619.76            | 1090.06          | 0.04         |
| S_Aoru    | S_Aoru    | 1615.1    | Tr500   | 97.81             | 3.40             | 6.54             |                  | 6.54             | 0.000007            | 0.11              | 1007.91           | 1090.06          | 0.02         |
| S_Aoru    | S_Aoru    | 1581      | Tr50    | 60.59             | 3.39             | 6.52             | 4.98             | 6.52             | 0.000003            | 0.07              | 949.15            | 1048.92          | 0.02         |
| S_Aoru    | S_Aoru    | 1581      | Tr100   | 71.75             | 3.39             | 6.54             | 5.13             | 6.54             | 0.000004            | 0.08              | 962.79            | 1048.92          | 0.02         |
| S_Aoru    | S_Aoru    | 1581      | Tr200   | 82.96             | 3.39             | 6.18             | 5.67             | 6.18             | 0.000027            | 0.19              | 588.95            | 1048.11          | 0.04         |
| S_Aoru    | S_Aoru    | 1581      | Tr500   | 97.81             | 3.39             | 6.54             | 5.67             | 6.54             | 0.000007            | 0.11              | 963.14            | 1048.92          | 0.02         |
| S_Aoru    | S_Aoru    | 1562.2    |         | Bridge            |                  |                  |                  |                  |                     |                   |                   |                  |              |
| S_Aoru    | S_Aoru    | 1547.3    | Tr50    | 60.59             | 3.46             | 5.82             |                  | 5.82             | 0.000170            | 0.45              | 242.70            | 906.94           | 0.11         |
| S_Aoru    | S_Aoru    | 1547.3    | Tr100   | 71.75             | 3.46             | 6.03             |                  | 6.04             | 0.000044            | 0.24              | 450.33            | 996.31           | 0.06         |
| S_Aoru    | S_Aoru    | 1547.3    | Tr200   | 82.96             | 3.46             | 6.30             |                  | 6.30             | 0.000014            | 0.15              | 718.48            | 1021.93          | 0.03         |
| S_Aoru    | S_Aoru    | 1547.3    | Tr500   | 97.81             | 3.46             | 6.22             |                  | 6.22             | 0.000028            | 0.21              | 635.11            | 1017.99          | 0.05         |
| S_Aoru    | S_Aoru    | 1452.5    | Tr50    | 60.59             | 3.41             | 5.81             |                  | 5.81             | 0.000081            | 0.31              | 334.14            | 1070.09          | 0.08         |
| S_Aoru    | S_Aoru    | 1452.5    | Tr100   | 71.75             | 3.41             | 6.03             |                  | 6.03             | 0.000023            | 0.18              | 580.35            | 1116.75          | 0.04         |
| S_Aoru    | S_Aoru    | 1452.5    | Tr200   | 82.96             | 3.41             | 6.30             |                  | 6.30             | 0.000008            | 0.11              | 878.83            | 1125.66          | 0.02         |
| S_Aoru    | S_Aoru    | 1452.5    | Tr500   | 97.81             | 3.41             | 6.22             |                  | 6.22             | 0.000016            | 0.16              | 785.98            | 1120.70          | 0.03         |
| S_Aoru    | S_Aoru    | 1375.9    | Tr50    | 60.59             | 3.36             | 5.80             |                  | 5.80             | 0.000052            | 0.25              | 378.44            | 1054.73          | 0.06         |
| S_Aoru    | S_Aoru    | 1375.9    | Tr100   | 71.75             | 3.36             | 6.03             |                  | 6.03             | 0.000017            | 0.16              | 628.59            | 1126.79          | 0.04         |
| S_Aoru    | S_Aoru    | 1375.9    | Tr200   | 82.96             | 3.36             | 6.30             |                  | 6.30             | 0.000007            | 0.11              | 932.07            | 1139.84          | 0.02         |
| S_Aoru    | S_Aoru    | 1375.9    | Tr500   | 97.81             | 3.36             | 6.21             |                  | 6.22             | 0.000013            | 0.15              | 837.42            | 1136.87          | 0.03         |
| S_Aoru    | S_Aoru    | 1303.4    | Tr50    | 60.59             | 3.38             | 5.80             |                  | 5.80             | 0.000067            | 0.29              | 363.33            | 1092.30          | 0.07         |
| S_Aoru    | S_Aoru    | 1303.4    | Tr100   | 71.75             | 3.38             | 6.03             |                  | 6.03             | 0.000018            | 0.16              | 620.17            | 1120.46          | 0.04         |
| S_Aoru    | S_Aoru    | 1303.4    | Tr200   | 82.96             | 3.38             | 6.30             |                  | 6.30             | 0.000007            | 0.11              | 921.65            | 1126.76          | 0.02         |
| S_Aoru    | S_Aoru    | 1303.4    | Tr500   | 97.81             | 3.38             | 6.21             |                  | 6.21             | 0.000013            | 0.15              | 827.45            | 1125.17          | 0.03         |
| S_Aoru    | S_Aoru    | 1207.2    | Tr50    | 60.59             | 3.26             | 5.79             |                  | 5.79             | 0.000030            | 0.20              | 469.35            | 1123.41          | 0.05         |
| S_Aoru    | S_Aoru    | 1207.2    | Tr100   | 71.75             | 3.26             | 6.03             |                  | 6.03             | 0.000011            | 0.13              | 734.43            | 1139.05          | 0.03         |
| S_Aoru    | S_Aoru    | 1207.2    | Tr200   | 82.96             | 3.26             | 6.30             |                  | 6.30             | 0.000005            | 0.09              | 1041.20           | 1141.19          | 0.02         |
| S_Aoru    | S_Aoru    | 1207.2    | Tr500   | 97.81             | 3.26             | 6.21             |                  | 6.21             | 0.000009            | 0.12              | 945.25            | 1140.50          | 0.03         |
| S_Aoru    | S_Aoru    | 1109.4    | Tr50    | 60.59             | 3.27             | 5.79             |                  | 5.79             | 0.000018            | 0.16              | 538.95            | 1072.69          | 0.04         |
| S_Aoru    | S_Aoru    | 1109.4    | Tr100   | 71.75             | 3.27             | 6.03             |                  | 6.03             | 0.000008            | 0.11              | 793.49            | 1084.80          | 0.02         |
| S_Aoru    | S_Aoru    | 1109.4    | Tr200   | 82.96             | 3.27             | 6.30             |                  | 6.30             | 0.000004            | 0.08              | 1086.40           | 1088.10          | 0.02         |
| S_Aoru    | S_Aoru    | 1109.4    | Tr500   | 97.81             | 3.27             | 6.21             |                  | 6.21             | 0.000007            | 0.11              | 994.55            | 1087.33          | 0.02         |

HEC-RAS Plan: Plan 01 Locations: User Defined (Continued)

| River  | Reach  | River Sta | Profile | Q Total<br>(m3/s) | Min Ch El<br>(m) | W.S. Elev<br>(m) | Crit W.S.<br>(m) | E.G. Elev<br>(m) | E.G. Slope<br>(m/m) | Vel Chnl<br>(m/s) | Flow Area<br>(m2) | Top Width<br>(m) | Froude # Chl |
|--------|--------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| S_Aoru | S_Aoru | 1050.8    | Tr50    | 60.59             | 3.22             | 5.79             |                  | 5.79             | 0.000016            | 0.15              | 578.74            | 1098.32          | 0.03         |
| S_Aoru | S_Aoru | 1050.8    | Tr100   | 71.75             | 3.22             | 6.03             |                  | 6.03             | 0.000007            | 0.11              | 839.43            | 1107.83          | 0.02         |
| S_Aoru | S_Aoru | 1050.8    | Tr200   | 82.96             | 3.22             | 6.30             |                  | 6.30             | 0.000003            | 0.08              | 1138.34           | 1108.44          | 0.02         |
| S_Aoru | S_Aoru | 1050.8    | Tr500   | 97.81             | 3.22             | 6.21             |                  | 6.21             | 0.000006            | 0.11              | 1044.57           | 1108.25          | 0.02         |
| S_Aoru | S_Aoru | 974.8     | Tr50    | 60.59             | 3.15             | 5.79             |                  | 5.79             | 0.000012            | 0.13              | 630.68            | 1133.36          | 0.03         |
| S_Aoru | S_Aoru | 974.8     | Tr100   | 71.75             | 3.15             | 6.03             |                  | 6.03             | 0.000006            | 0.10              | 902.17            | 1154.60          | 0.02         |
| S_Aoru | S_Aoru | 974.8     | Tr200   | 82.96             | 3.15             | 6.30             |                  | 6.30             | 0.000003            | 0.07              | 1214.00           | 1155.64          | 0.02         |
| S_Aoru | S_Aoru | 974.8     | Tr500   | 97.81             | 3.15             | 6.21             |                  | 6.21             | 0.000005            | 0.10              | 1116.04           | 1155.29          | 0.02         |
| S_Aoru | S_Aoru | 900.5     | Tr50    | 60.59             | 3.12             | 5.79             |                  | 5.79             | 0.000014            | 0.14              | 570.96            | 970.97           | 0.03         |
| S_Aoru | S_Aoru | 900.5     | Tr100   | 71.75             | 3.12             | 6.03             |                  | 6.03             | 0.000007            | 0.10              | 802.32            | 976.59           | 0.02         |
| S_Aoru | S_Aoru | 900.5     | Tr200   | 82.96             | 3.12             | 6.30             |                  | 6.30             | 0.000003            | 0.08              | 1066.31           | 977.50           | 0.02         |
| S_Aoru | S_Aoru | 900.5     | Tr500   | 97.81             | 3.12             | 6.21             |                  | 6.21             | 0.000006            | 0.11              | 983.22            | 977.18           | 0.02         |
| S_Aoru | S_Aoru | 859.9     | Tr50    | 60.59             | 3.04             | 5.79             |                  | 5.79             | 0.000023            | 0.19              | 436.97            | 706.27           | 0.04         |
| S_Aoru | S_Aoru | 859.9     | Tr100   | 71.75             | 3.04             | 6.03             |                  | 6.03             | 0.000011            | 0.14              | 606.33            | 716.31           | 0.03         |
| S_Aoru | S_Aoru | 859.9     | Tr200   | 82.96             | 3.04             | 6.30             |                  | 6.30             | 0.000006            | 0.11              | 800.65            | 719.25           | 0.02         |
| S_Aoru | S_Aoru | 859.9     | Tr500   | 97.81             | 3.04             | 6.21             |                  | 6.21             | 0.000011            | 0.15              | 739.27            | 719.25           | 0.03         |
| S_Aoru | S_Aoru | 808.8     | Tr50    | 60.59             | 3.03             | 5.79             |                  | 5.79             | 0.000019            | 0.17              | 459.15            | 694.65           | 0.04         |
| S_Aoru | S_Aoru | 808.8     | Tr100   | 71.75             | 3.03             | 6.02             |                  | 6.03             | 0.000010            | 0.13              | 625.38            | 700.76           | 0.03         |
| S_Aoru | S_Aoru | 808.8     | Tr200   | 82.96             | 3.03             | 6.30             |                  | 6.30             | 0.000006            | 0.11              | 815.06            | 700.76           | 0.02         |
| S_Aoru | S_Aoru | 808.8     | Tr500   | 97.81             | 3.03             | 6.21             |                  | 6.21             | 0.000010            | 0.14              | 755.09            | 700.76           | 0.03         |
| S_Aoru | S_Aoru | 756.8     | Tr50    | 60.59             | 3.00             | 5.79             |                  | 5.79             | 0.000018            | 0.17              | 466.86            | 686.67           | 0.04         |
| S_Aoru | S_Aoru | 756.8     | Tr100   | 71.75             | 3.00             | 6.02             |                  | 6.02             | 0.000009            | 0.13              | 630.67            | 686.67           | 0.03         |
| S_Aoru | S_Aoru | 756.8     | Tr200   | 82.96             | 3.00             | 6.29             |                  | 6.30             | 0.000005            | 0.11              | 816.69            | 686.67           | 0.02         |
| S_Aoru | S_Aoru | 756.8     | Tr500   | 97.81             | 3.00             | 6.21             |                  | 6.21             | 0.000010            | 0.14              | 757.78            | 686.67           | 0.03         |
| S_Aoru | S_Aoru | 670.4     | Tr50    | 60.59             | 2.91             | 5.78             | 4.40             | 5.78             | 0.000019            | 0.18              | 440.52            | 629.12           | 0.04         |
| S_Aoru | S_Aoru | 670.4     | Tr100   | 71.75             | 2.91             | 6.02             | 4.54             | 6.02             | 0.000010            | 0.14              | 591.04            | 629.12           | 0.03         |
| S_Aoru | S_Aoru | 670.4     | Tr200   | 82.96             | 2.91             | 6.29             | 4.66             | 6.30             | 0.000006            | 0.12              | 761.67            | 629.12           | 0.02         |
| S_Aoru | S_Aoru | 670.4     | Tr500   | 97.81             | 2.91             | 6.21             | 5.24             | 6.21             | 0.000011            | 0.15              | 707.46            | 629.12           | 0.03         |
| S_Aoru | S_Aoru | 627.2     |         | Bridge            |                  |                  |                  |                  |                     |                   |                   |                  |              |
| S_Aoru | S_Aoru | 604.9     | Tr50    | 60.59             | 2.81             | 5.54             |                  | 5.54             | 0.000039            | 0.23              | 346.97            | 588.11           | 0.05         |
| S_Aoru | S_Aoru | 604.9     | Tr100   | 71.75             | 2.81             | 5.69             |                  | 5.69             | 0.000028            | 0.19              | 434.15            | 610.07           | 0.05         |
| S_Aoru | S_Aoru | 604.9     | Tr200   | 82.96             | 2.81             | 5.85             |                  | 5.85             | 0.000019            | 0.17              | 533.09            | 623.52           | 0.04         |
| S_Aoru | S_Aoru | 604.9     | Tr500   | 97.81             | 2.81             | 6.09             |                  | 6.09             | 0.000012            | 0.15              | 681.43            | 628.03           | 0.03         |
| S_Aoru | S_Aoru | 530.9     | Tr50    | 60.59             | 2.89             | 5.54             |                  | 5.54             | 0.000019            | 0.17              | 486.45            | 809.80           | 0.04         |
| S_Aoru | S_Aoru | 530.9     | Tr100   | 71.75             | 2.89             | 5.69             |                  | 5.69             | 0.000013            | 0.15              | 605.18            | 809.80           | 0.03         |
| S_Aoru | S_Aoru | 530.9     | Tr200   | 82.96             | 2.89             | 5.85             |                  | 5.85             | 0.000009            | 0.13              | 735.50            | 809.80           | 0.03         |
| S_Aoru | S_Aoru | 530.9     | Tr500   | 97.81             | 2.89             | 6.09             |                  | 6.09             | 0.000006            | 0.11              | 927.63            | 809.80           | 0.02         |
| S_Aoru | S_Aoru | 472.7     | Tr50    | 60.59             | 2.85             | 5.54             |                  | 5.54             | 0.000018            | 0.17              | 485.27            | 778.97           | 0.04         |
| S_Aoru | S_Aoru | 472.7     | Tr100   | 71.75             | 2.85             | 5.69             |                  | 5.69             | 0.000013            | 0.15              | 599.74            | 778.97           | 0.03         |
| S_Aoru | S_Aoru | 472.7     | Tr200   | 82.96             | 2.85             | 5.85             |                  | 5.85             | 0.000009            | 0.13              | 725.27            | 778.97           | 0.03         |
| S_Aoru | S_Aoru | 472.7     | Tr500   | 97.81             | 2.85             | 6.09             |                  | 6.09             | 0.000006            | 0.11              | 910.22            | 778.97           | 0.02         |
| S_Aoru | S_Aoru | 413.5     | Tr50    | 60.59             | 2.75             | 5.54             |                  | 5.54             | 0.000019            | 0.18              | 466.10            | 727.06           | 0.04         |
| S_Aoru | S_Aoru | 413.5     | Tr100   | 71.75             | 2.75             | 5.69             |                  | 5.69             | 0.000014            | 0.16              | 573.23            | 727.83           | 0.03         |
| S_Aoru | S_Aoru | 413.5     | Tr200   | 82.96             | 2.75             | 5.85             |                  | 5.85             | 0.000010            | 0.14              | 690.76            | 728.93           | 0.03         |
| S_Aoru | S_Aoru | 413.5     | Tr500   | 97.81             | 2.75             | 6.08             |                  | 6.09             | 0.000007            | 0.12              | 864.03            | 729.20           | 0.02         |
| S_Aoru | S_Aoru | 334.8     | Tr50    | 60.59             | 2.72             | 5.54             |                  | 5.54             | 0.000022            | 0.19              | 413.37            | 585.38           | 0.04         |
| S_Aoru | S_Aoru | 334.8     | Tr100   | 71.75             | 2.72             | 5.68             |                  | 5.69             | 0.000017            | 0.17              | 499.82            | 585.38           | 0.04         |
| S_Aoru | S_Aoru | 334.8     | Tr200   | 82.96             | 2.72             | 5.85             |                  | 5.85             | 0.000012            | 0.16              | 594.45            | 585.38           | 0.03         |
| S_Aoru | S_Aoru | 334.8     | Tr500   | 97.81             | 2.72             | 6.08             |                  | 6.08             | 0.000009            | 0.14              | 733.73            | 585.38           | 0.03         |
| S_Aoru | S_Aoru | 242       | Tr50    | 60.59             | 2.74             | 5.53             |                  | 5.53             | 0.000038            | 0.24              | 319.91            | 461.08           | 0.05         |
| S_Aoru | S_Aoru | 242       | Tr100   | 71.75             | 2.74             | 5.68             |                  | 5.68             | 0.000028            | 0.22              | 388.35            | 461.08           | 0.05         |
| S_Aoru | S_Aoru | 242       | Tr200   | 82.96             | 2.74             | 5.84             |                  | 5.85             | 0.000021            | 0.20              | 463.15            | 461.08           | 0.04         |
| S_Aoru | S_Aoru | 242       | Tr500   | 97.81             | 2.74             | 6.08             |                  | 6.08             | 0.000015            | 0.18              | 573.11            | 461.08           | 0.03         |
| Tanui  | Tanui  | 3415.2    | Tr50    | 133.76            | 2.29             | 5.53             |                  | 5.53             | 0.000051            | 0.28              | 547.70            | 653.33           | 0.06         |
| Tanui  | Tanui  | 3415.2    | Tr100   | 158.21            | 2.29             | 5.68             |                  | 5.68             | 0.000042            | 0.27              | 644.76            | 655.56           | 0.06         |
| Tanui  | Tanui  | 3415.2    | Tr200   | 182.64            | 2.29             | 5.84             |                  | 5.85             | 0.000034            | 0.25              | 751.22            | 657.18           | 0.05         |
| Tanui  | Tanui  | 3415.2    | Tr500   | 214.95            | 2.29             | 6.08             |                  | 6.08             | 0.000025            | 0.23              | 908.65            | 664.76           | 0.05         |
| Tanui  | Tanui  | 3270.9    | Tr50    | 133.76            | 2.05             | 5.51             |                  | 5.52             | 0.000129            | 0.44              | 350.93            | 424.01           | 0.10         |
| Tanui  | Tanui  | 3270.9    | Tr100   | 158.21            | 2.05             | 5.67             |                  | 5.67             | 0.000105            | 0.42              | 414.80            | 424.77           | 0.09         |
| Tanui  | Tanui  | 3270.9    | Tr200   | 182.64            | 2.05             | 5.83             |                  | 5.84             | 0.000084            | 0.39              | 484.62            | 425.64           | 0.08         |
| Tanui  | Tanui  | 3270.9    | Tr500   | 214.95            | 2.05             | 6.07             |                  | 6.08             | 0.000062            | 0.36              | 587.49            | 429.03           | 0.07         |
| Tanui  | Tanui  | 3220.1    | Tr50    | 133.76            | 2.39             | 5.50             |                  | 5.51             | 0.000191            | 0.62              | 294.47            | 390.31           | 0.13         |
| Tanui  | Tanui  | 3220.1    | Tr100   | 158.21            | 2.39             | 5.66             |                  | 5.67             | 0.000149            | 0.57              | 354.26            | 391.01           | 0.11         |
| Tanui  | Tanui  | 3220.1    | Tr200   | 182.64            | 2.39             | 5.82             |                  | 5.83             | 0.000116            | 0.53              | 419.30            | 391.63           | 0.10         |
| Tanui  | Tanui  | 3220.1    | Tr500   | 214.95            | 2.39             | 6.06             |                  | 6.07             | 0.000083            | 0.47              | 514.50            | 392.71           | 0.09         |
| Tanui  | Tanui  | 3120.9    | Tr50    | 133.76            | 2.26             | 5.45             |                  | 5.48             | 0.000445            | 0.93              | 203.62            | 306.95           | 0.19         |
| Tanui  | Tanui  | 3120.9    | Tr100   | 158.21            | 2.26             | 5.62             |                  | 5.64             | 0.000331            | 0.83              | 255.62            | 314.92           | 0.16         |
| Tanui  | Tanui  | 3120.9    | Tr200   | 182.64            | 2.26             | 5.79             |                  | 5.81             | 0.000244            | 0.73              | 311.56            | 321.63           | 0.14         |
| Tanui  | Tanui  | 3120.9    | Tr500   | 214.95            | 2.26             | 6.05             |                  | 6.06             | 0.000168            | 0.61              | 396.12            | 349.70           | 0.12         |
| Tanui  | Tanui  | 2987.2    | Tr50    | 133.76            | 2.12             | 5.43             |                  | 5.44             | 0.000103            | 0.46              | 362.84            | 424.04           | 0.09         |
| Tanui  | Tanui  | 2987.2    | Tr100   | 158.21            | 2.12             | 5.60             |                  | 5.61             | 0.000082            | 0.43              | 436.64            | 431.39           | 0.08         |
| Tanui  | Tanui  | 2987.2    | Tr200   | 182.64            | 2.12             | 5.78             |                  | 5.79             | 0.000066            | 0.40              | 514.69            | 434.53           | 0.08         |
| Tanui  | Tanui  | 2987.2    | Tr500   | 214.95            | 2.12             | 6.04             |                  | 6.05             | 0.000049            | 0.36              | 626.26            | 438.57           | 0.07         |
| Tanui  | Tanui  | 2868.7    | Tr50    | 133.76            | 2.05             | 5.42             |                  | 5.43             | 0.000087            | 0.40              | 402.57            | 457.29           | 0.08         |

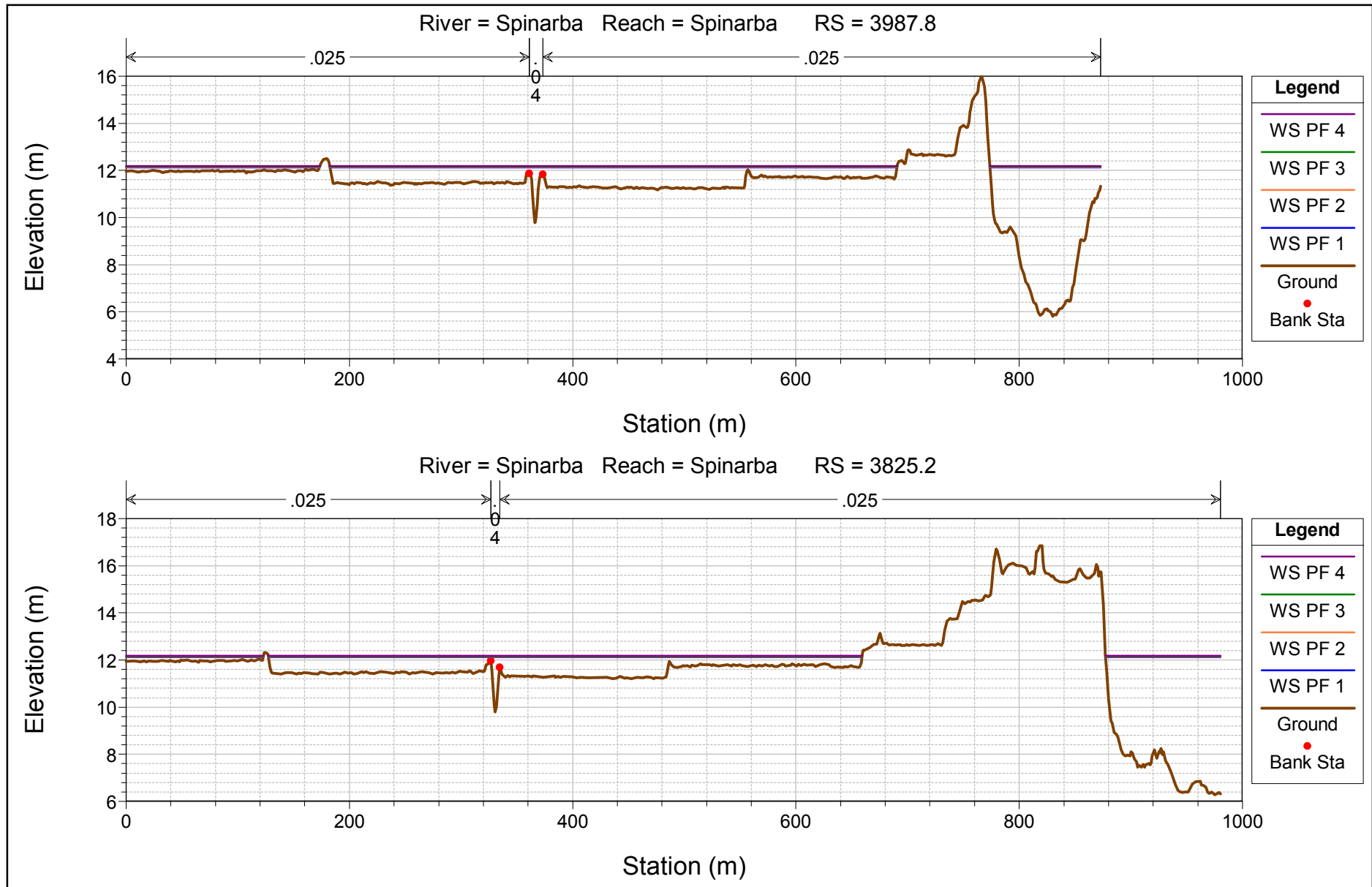
HEC-RAS Plan: Plan 01 Locations: User Defined (Continued)

| River | Reach | River Sta | Profile | Q Total<br>(m3/s) | Min Ch El<br>(m) | W.S. Elev<br>(m) | Crit W.S.<br>(m) | E.G. Elev<br>(m) | E.G. Slope<br>(m/m) | Vel Chnl<br>(m/s) | Flow Area<br>(m2) | Top Width<br>(m) | Froude # Chl |
|-------|-------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| Tanui | Tanui | 2868.7    | Tr100   | 158.21            | 2.05             | 5.60             |                  | 5.60             | 0.000068            | 0.37              | 483.25            | 462.00           | 0.08         |
| Tanui | Tanui | 2868.7    | Tr200   | 182.64            | 2.05             | 5.78             |                  | 5.78             | 0.000054            | 0.35              | 568.00            | 468.38           | 0.07         |
| Tanui | Tanui | 2868.7    | Tr500   | 214.95            | 2.05             | 6.04             |                  | 6.04             | 0.000040            | 0.32              | 690.99            | 489.84           | 0.06         |
| Tanui | Tanui | 2739.2    | Tr50    | 133.76            | 2.09             | 5.41             |                  | 5.42             | 0.000067            | 0.38              | 447.35            | 515.32           | 0.08         |
| Tanui | Tanui | 2739.2    | Tr100   | 158.21            | 2.09             | 5.59             |                  | 5.59             | 0.000053            | 0.35              | 539.49            | 521.94           | 0.07         |
| Tanui | Tanui | 2739.2    | Tr200   | 182.64            | 2.09             | 5.77             |                  | 5.78             | 0.000042            | 0.33              | 635.77            | 525.46           | 0.06         |
| Tanui | Tanui | 2739.2    | Tr500   | 214.95            | 2.09             | 6.03             |                  | 6.04             | 0.000031            | 0.30              | 773.08            | 533.14           | 0.05         |
| Tanui | Tanui | 2691.1    | Tr50    | 133.76            | 1.81             | 5.41             |                  | 5.41             | 0.000053            | 0.34              | 487.87            | 521.71           | 0.07         |
| Tanui | Tanui | 2691.1    | Tr100   | 158.21            | 1.81             | 5.59             |                  | 5.59             | 0.000043            | 0.32              | 582.95            | 541.05           | 0.06         |
| Tanui | Tanui | 2691.1    | Tr200   | 182.64            | 1.81             | 5.77             |                  | 5.77             | 0.000035            | 0.30              | 682.93            | 542.91           | 0.06         |
| Tanui | Tanui | 2691.1    | Tr500   | 214.95            | 1.81             | 6.03             |                  | 6.03             | 0.000026            | 0.28              | 823.93            | 543.76           | 0.05         |
| Tanui | Tanui | 2617.9    | Tr50    | 133.76            | 2.13             | 5.41             |                  | 5.41             | 0.000035            | 0.28              | 585.32            | 597.34           | 0.05         |
| Tanui | Tanui | 2617.9    | Tr100   | 158.21            | 2.13             | 5.58             |                  | 5.59             | 0.000029            | 0.26              | 692.68            | 602.25           | 0.05         |
| Tanui | Tanui | 2617.9    | Tr200   | 182.64            | 2.13             | 5.77             |                  | 5.77             | 0.000024            | 0.25              | 804.10            | 604.53           | 0.05         |
| Tanui | Tanui | 2617.9    | Tr500   | 214.95            | 2.13             | 6.03             |                  | 6.03             | 0.000018            | 0.23              | 961.50            | 606.27           | 0.04         |
| Tanui | Tanui | 2558.5    | Tr50    | 133.76            | 1.86             | 5.40             |                  | 5.41             | 0.000026            | 0.24              | 629.01            | 563.98           | 0.05         |
| Tanui | Tanui | 2558.5    | Tr100   | 158.21            | 1.86             | 5.58             |                  | 5.59             | 0.000022            | 0.23              | 729.93            | 564.97           | 0.04         |
| Tanui | Tanui | 2558.5    | Tr200   | 182.64            | 1.86             | 5.77             |                  | 5.77             | 0.000019            | 0.23              | 834.47            | 565.89           | 0.04         |
| Tanui | Tanui | 2558.5    | Tr500   | 214.95            | 1.86             | 6.03             |                  | 6.03             | 0.000015            | 0.21              | 984.06            | 582.14           | 0.04         |
| Tanui | Tanui | 2500.5    | Tr50    | 133.76            | 2.07             | 5.40             |                  | 5.41             | 0.000024            | 0.24              | 637.34            | 556.44           | 0.05         |
| Tanui | Tanui | 2500.5    | Tr100   | 158.21            | 2.07             | 5.58             |                  | 5.58             | 0.000021            | 0.24              | 737.26            | 559.91           | 0.04         |
| Tanui | Tanui | 2500.5    | Tr200   | 182.64            | 2.07             | 5.77             |                  | 5.77             | 0.000018            | 0.23              | 840.94            | 560.65           | 0.04         |
| Tanui | Tanui | 2500.5    | Tr500   | 214.95            | 2.07             | 6.03             |                  | 6.03             | 0.000015            | 0.22              | 988.42            | 577.10           | 0.04         |
| Tanui | Tanui | 2425.6    | Tr50    | 133.76            | 2.02             | 5.40             |                  | 5.40             | 0.000025            | 0.24              | 634.17            | 557.66           | 0.05         |
| Tanui | Tanui | 2425.6    | Tr100   | 158.21            | 2.02             | 5.58             |                  | 5.58             | 0.000021            | 0.23              | 734.17            | 558.25           | 0.04         |
| Tanui | Tanui | 2425.6    | Tr200   | 182.64            | 2.02             | 5.77             |                  | 5.77             | 0.000019            | 0.22              | 839.02            | 572.15           | 0.04         |
| Tanui | Tanui | 2425.6    | Tr500   | 214.95            | 2.02             | 6.03             |                  | 6.03             | 0.000015            | 0.21              | 990.04            | 588.12           | 0.04         |
| Tanui | Tanui | 2372.1    | Tr50    | 133.76            | 2.12             | 5.40             |                  | 5.40             | 0.000027            | 0.24              | 607.51            | 539.76           | 0.05         |
| Tanui | Tanui | 2372.1    | Tr100   | 158.21            | 2.12             | 5.58             |                  | 5.58             | 0.000024            | 0.24              | 705.18            | 549.94           | 0.05         |
| Tanui | Tanui | 2372.1    | Tr200   | 182.64            | 2.12             | 5.76             |                  | 5.77             | 0.000020            | 0.23              | 808.37            | 563.87           | 0.04         |
| Tanui | Tanui | 2372.1    | Tr500   | 214.95            | 2.12             | 6.03             |                  | 6.03             | 0.000016            | 0.22              | 957.52            | 577.31           | 0.04         |
| Tanui | Tanui | 2259.8    | Tr50    | 133.76            | 2.13             | 5.40             |                  | 5.40             | 0.000025            | 0.24              | 633.19            | 556.77           | 0.05         |
| Tanui | Tanui | 2259.8    | Tr100   | 158.21            | 2.13             | 5.58             |                  | 5.58             | 0.000022            | 0.23              | 733.36            | 557.20           | 0.04         |
| Tanui | Tanui | 2259.8    | Tr200   | 182.64            | 2.13             | 5.76             |                  | 5.76             | 0.000018            | 0.23              | 837.43            | 562.61           | 0.04         |
| Tanui | Tanui | 2259.8    | Tr500   | 214.95            | 2.13             | 6.02             |                  | 6.03             | 0.000015            | 0.21              | 985.34            | 571.90           | 0.04         |
| Tanui | Tanui | 2121.8    | Tr50    | 133.76            | 1.90             | 5.39             |                  | 5.39             | 0.000031            | 0.28              | 577.58            | 521.78           | 0.05         |
| Tanui | Tanui | 2121.8    | Tr100   | 158.21            | 1.90             | 5.57             |                  | 5.58             | 0.000027            | 0.27              | 672.28            | 532.42           | 0.05         |
| Tanui | Tanui | 2121.8    | Tr200   | 182.64            | 1.90             | 5.76             |                  | 5.76             | 0.000023            | 0.26              | 774.15            | 561.17           | 0.05         |
| Tanui | Tanui | 2121.8    | Tr500   | 214.95            | 1.90             | 6.02             |                  | 6.02             | 0.000019            | 0.25              | 922.00            | 567.27           | 0.04         |
| Tanui | Tanui | 2084      | Tr50    | 133.76            | 2.04             | 5.39             | 4.58             | 5.39             | 0.000039            | 0.29              | 530.61            | 502.63           | 0.06         |
| Tanui | Tanui | 2084      | Tr100   | 158.21            | 2.04             | 5.57             | 4.65             | 5.57             | 0.000033            | 0.28              | 622.31            | 513.35           | 0.05         |
| Tanui | Tanui | 2084      | Tr200   | 182.64            | 2.04             | 5.76             | 4.65             | 5.76             | 0.000028            | 0.27              | 718.72            | 520.04           | 0.05         |
| Tanui | Tanui | 2084      | Tr500   | 214.95            | 2.04             | 6.02             | 4.65             | 6.02             | 0.000022            | 0.25              | 855.79            | 525.99           | 0.04         |
| Tanui | Tanui | 2052.9    |         | Bridge            |                  |                  |                  |                  |                     |                   |                   |                  |              |
| Tanui | Tanui | 2041.1    | Tr50    | 133.76            | 2.02             | 5.08             | 4.08             | 5.25             | 0.003207            | 1.82              | 73.31             | 49.28            | 0.48         |
| Tanui | Tanui | 2041.1    | Tr100   | 158.21            | 2.02             | 5.17             | 4.34             | 5.38             | 0.003799            | 2.03              | 77.85             | 50.54            | 0.52         |
| Tanui | Tanui | 2041.1    | Tr200   | 182.64            | 2.02             | 5.26             | 4.48             | 5.51             | 0.004276            | 2.22              | 82.43             | 51.35            | 0.56         |
| Tanui | Tanui | 2041.1    | Tr500   | 214.95            | 2.02             | 5.39             | 4.66             | 5.68             | 0.004689            | 2.41              | 89.14             | 52.39            | 0.59         |
| Tanui | Tanui | 2032.6    | Tr50    | 133.76            | 1.91             | 5.08             | 3.90             | 5.21             | 0.002635            | 1.64              | 84.06             | 76.20            | 0.43         |
| Tanui | Tanui | 2032.6    | Tr100   | 158.21            | 1.91             | 5.17             | 4.13             | 5.33             | 0.002965            | 1.79              | 91.80             | 79.49            | 0.46         |
| Tanui | Tanui | 2032.6    | Tr200   | 182.64            | 1.91             | 5.28             | 4.38             | 5.45             | 0.003127            | 1.90              | 100.06            | 81.35            | 0.48         |
| Tanui | Tanui | 2032.6    | Tr500   | 214.95            | 1.91             | 5.43             | 4.52             | 5.62             | 0.003115            | 1.98              | 112.68            | 90.21            | 0.48         |
| Tanui | Tanui | 2020.8    |         | Bridge            |                  |                  |                  |                  |                     |                   |                   |                  |              |
| Tanui | Tanui | 2009.3    | Tr50    | 133.76            | 1.97             | 5.07             |                  | 5.10             | 0.000598            | 0.89              | 184.51            | 270.69           | 0.21         |
| Tanui | Tanui | 2009.3    | Tr100   | 158.21            | 1.97             | 5.15             |                  | 5.18             | 0.000609            | 0.92              | 207.16            | 278.38           | 0.21         |
| Tanui | Tanui | 2009.3    | Tr200   | 182.64            | 1.97             | 5.23             |                  | 5.26             | 0.000618            | 0.95              | 228.23            | 284.83           | 0.22         |
| Tanui | Tanui | 2009.3    | Tr500   | 214.95            | 1.97             | 5.32             |                  | 5.36             | 0.000622            | 0.98              | 255.23            | 292.11           | 0.22         |
| Tanui | Tanui | 1996.1    | Tr50    | 133.76            | 1.99             | 5.08             |                  | 5.09             | 0.000188            | 0.58              | 305.14            | 423.84           | 0.12         |
| Tanui | Tanui | 1996.1    | Tr100   | 158.21            | 1.99             | 5.16             |                  | 5.17             | 0.000188            | 0.59              | 340.41            | 424.84           | 0.12         |
| Tanui | Tanui | 1996.1    | Tr200   | 182.64            | 1.99             | 5.24             |                  | 5.25             | 0.000189            | 0.61              | 372.56            | 425.81           | 0.13         |
| Tanui | Tanui | 1996.1    | Tr500   | 214.95            | 1.99             | 5.33             |                  | 5.35             | 0.000190            | 0.63              | 412.90            | 430.41           | 0.13         |
| Tanui | Tanui | 1951.4    | Tr50    | 133.76            | 1.84             | 5.07             |                  | 5.08             | 0.000170            | 0.58              | 320.33            | 465.05           | 0.12         |
| Tanui | Tanui | 1951.4    | Tr100   | 158.21            | 1.84             | 5.16             |                  | 5.17             | 0.000177            | 0.60              | 359.84            | 483.54           | 0.12         |
| Tanui | Tanui | 1951.4    | Tr200   | 182.64            | 1.84             | 5.23             |                  | 5.24             | 0.000175            | 0.61              | 396.56            | 485.11           | 0.12         |
| Tanui | Tanui | 1951.4    | Tr500   | 214.95            | 1.84             | 5.33             |                  | 5.34             | 0.000172            | 0.62              | 442.64            | 487.32           | 0.12         |
| Tanui | Tanui | 1878.1    | Tr50    | 133.76            | 1.88             | 5.06             |                  | 5.07             | 0.000165            | 0.58              | 331.58            | 529.05           | 0.12         |
| Tanui | Tanui | 1878.1    | Tr100   | 158.21            | 1.88             | 5.14             |                  | 5.15             | 0.000161            | 0.59              | 375.89            | 531.05           | 0.12         |
| Tanui | Tanui | 1878.1    | Tr200   | 182.64            | 1.88             | 5.22             |                  | 5.23             | 0.000158            | 0.59              | 416.34            | 532.42           | 0.12         |
| Tanui | Tanui | 1878.1    | Tr500   | 214.95            | 1.88             | 5.31             |                  | 5.33             | 0.000154            | 0.60              | 467.19            | 535.90           | 0.11         |
| Tanui | Tanui | 1780.1    | Tr50    | 133.76            | 1.86             | 5.05             |                  | 5.06             | 0.000127            | 0.50              | 336.18            | 399.29           | 0.10         |
| Tanui | Tanui | 1780.1    | Tr100   | 158.21            | 1.86             | 5.13             |                  | 5.14             | 0.000134            | 0.53              | 369.33            | 406.74           | 0.11         |
| Tanui | Tanui | 1780.1    | Tr200   | 182.64            | 1.86             | 5.20             |                  | 5.22             | 0.000141            | 0.55              | 400.42            | 418.52           | 0.11         |
| Tanui | Tanui | 1780.1    | Tr500   | 214.95            | 1.86             | 5.30             |                  | 5.31             | 0.000147            | 0.57              | 439.98            | 420.59           | 0.11         |
| Tanui | Tanui | 1693.2    | Tr50    | 133.76            | 1.75             | 5.01             |                  | 5.04             | 0.000339            | 0.82              | 228.36            | 339.59           | 0.17         |

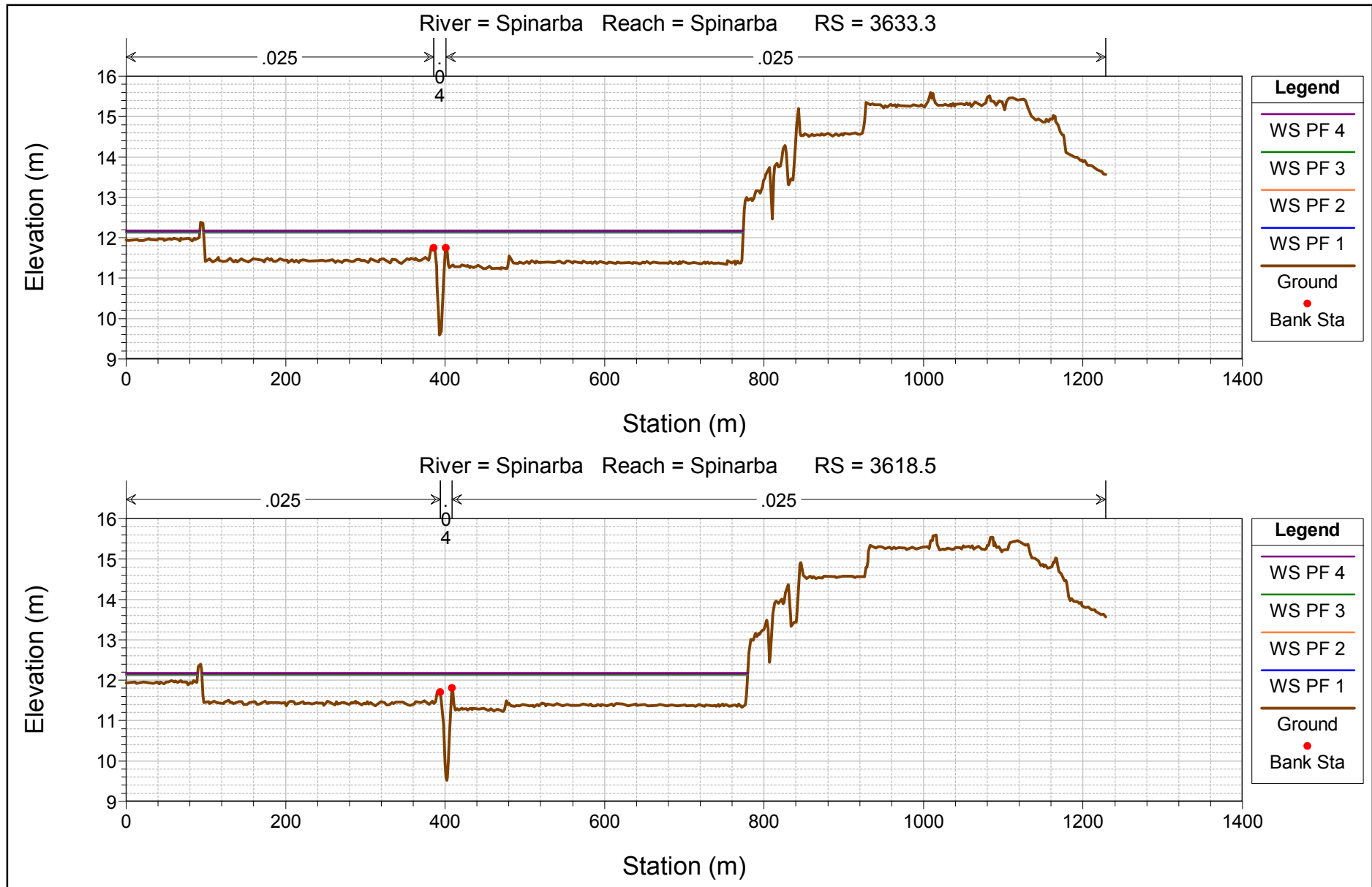
HEC-RAS Plan: Plan 01 Locations: User Defined (Continued)

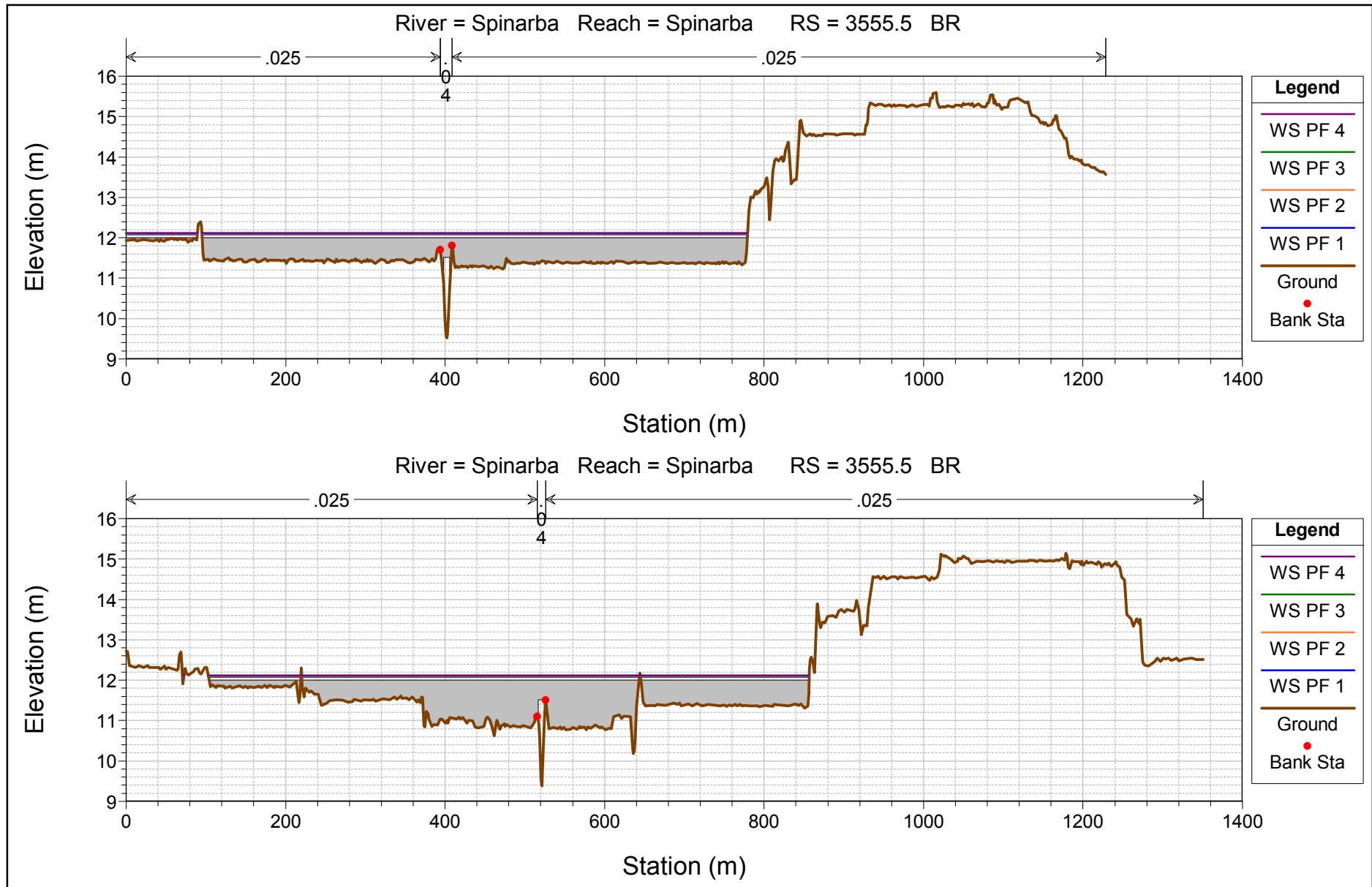
| River | Reach | River Sta | Profile | Q Total<br>(m3/s) | Min Ch El<br>(m) | W.S. Elev<br>(m) | Crit W.S.<br>(m) | E.G. Elev<br>(m) | E.G. Slope<br>(m/m) | Vel Chnl<br>(m/s) | Flow Area<br>(m2) | Top Width<br>(m) | Froude # Chl |
|-------|-------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| Tanui | Tanui | 1693.2    | Tr100   | 158.21            | 1.75             | 5.10             |                  | 5.12             | 0.000342            | 0.84              | 256.42            | 345.73           | 0.17         |
| Tanui | Tanui | 1693.2    | Tr200   | 182.64            | 1.75             | 5.17             |                  | 5.19             | 0.000345            | 0.86              | 282.46            | 351.31           | 0.17         |
| Tanui | Tanui | 1693.2    | Tr500   | 214.95            | 1.75             | 5.26             |                  | 5.29             | 0.000345            | 0.88              | 315.64            | 357.00           | 0.17         |
| Tanui | Tanui | 1535.9    | Tr50    | 133.76            | 1.58             | 4.81             |                  | 4.90             | 0.001312            | 1.51              | 127.54            | 263.02           | 0.32         |
| Tanui | Tanui | 1535.9    | Tr100   | 158.21            | 1.58             | 4.91             |                  | 4.99             | 0.001209            | 1.47              | 153.87            | 276.38           | 0.31         |
| Tanui | Tanui | 1535.9    | Tr200   | 182.64            | 1.58             | 4.99             |                  | 5.07             | 0.001163            | 1.46              | 177.65            | 296.37           | 0.30         |
| Tanui | Tanui | 1535.9    | Tr500   | 214.95            | 1.58             | 5.10             |                  | 5.17             | 0.001063            | 1.41              | 211.14            | 317.45           | 0.29         |
| Tanui | Tanui | 1463.6    | Tr50    | 133.76            | 1.59             | 4.85             |                  | 4.86             | 0.000021            | 0.19              | 465.43            | 220.25           | 0.04         |
| Tanui | Tanui | 1463.6    | Tr100   | 158.21            | 1.59             | 4.94             |                  | 4.95             | 0.000026            | 0.22              | 485.22            | 222.47           | 0.05         |
| Tanui | Tanui | 1463.6    | Tr200   | 182.64            | 1.59             | 5.02             |                  | 5.03             | 0.000031            | 0.24              | 503.38            | 241.05           | 0.05         |
| Tanui | Tanui | 1463.6    | Tr500   | 214.95            | 1.59             | 5.12             |                  | 5.13             | 0.000039            | 0.27              | 529.78            | 270.44           | 0.06         |
| Tanui | Tanui | 1327.9    | Tr50    | 133.76            | 1.56             | 4.83             |                  | 4.85             | 0.000098            | 0.42              | 252.52            | 215.84           | 0.09         |
| Tanui | Tanui | 1327.9    | Tr100   | 158.21            | 1.56             | 4.92             |                  | 4.93             | 0.000128            | 0.48              | 274.20            | 291.98           | 0.10         |
| Tanui | Tanui | 1327.9    | Tr200   | 182.64            | 1.56             | 4.99             |                  | 5.01             | 0.000154            | 0.54              | 297.39            | 314.35           | 0.11         |
| Tanui | Tanui | 1327.9    | Tr500   | 214.95            | 1.56             | 5.09             |                  | 5.11             | 0.000176            | 0.58              | 328.88            | 321.31           | 0.12         |
| Tanui | Tanui | 1187.7    | Tr50    | 133.76            | 1.57             | 4.82             |                  | 4.83             | 0.000065            | 0.36              | 371.45            | 297.58           | 0.07         |
| Tanui | Tanui | 1187.7    | Tr100   | 158.21            | 1.57             | 4.91             |                  | 4.92             | 0.000075            | 0.39              | 396.15            | 299.24           | 0.08         |
| Tanui | Tanui | 1187.7    | Tr200   | 182.64            | 1.57             | 4.98             |                  | 4.99             | 0.000084            | 0.42              | 418.12            | 300.27           | 0.08         |
| Tanui | Tanui | 1187.7    | Tr500   | 214.95            | 1.57             | 5.08             |                  | 5.09             | 0.000094            | 0.45              | 447.42            | 301.50           | 0.09         |
| Tanui | Tanui | 1118.8    | Tr50    | 133.76            | 1.46             | 4.82             |                  | 4.83             | 0.000044            | 0.28              | 431.34            | 323.66           | 0.06         |
| Tanui | Tanui | 1118.8    | Tr100   | 158.21            | 1.46             | 4.90             |                  | 4.91             | 0.000052            | 0.31              | 458.66            | 337.41           | 0.06         |
| Tanui | Tanui | 1118.8    | Tr200   | 182.64            | 1.46             | 4.98             |                  | 4.98             | 0.000059            | 0.34              | 483.40            | 340.52           | 0.07         |
| Tanui | Tanui | 1118.8    | Tr500   | 214.95            | 1.46             | 5.07             |                  | 5.08             | 0.000067            | 0.37              | 516.75            | 352.60           | 0.07         |
| Tanui | Tanui | 1026.2    | Tr50    | 133.76            | 1.52             | 4.81             |                  | 4.82             | 0.000109            | 0.42              | 314.60            | 270.80           | 0.09         |
| Tanui | Tanui | 1026.2    | Tr100   | 158.21            | 1.52             | 4.89             |                  | 4.90             | 0.000124            | 0.45              | 336.54            | 274.31           | 0.10         |
| Tanui | Tanui | 1026.2    | Tr200   | 182.64            | 1.52             | 4.96             |                  | 4.98             | 0.000138            | 0.48              | 356.09            | 276.30           | 0.10         |
| Tanui | Tanui | 1026.2    | Tr500   | 214.95            | 1.52             | 5.06             |                  | 5.07             | 0.000153            | 0.51              | 382.34            | 278.49           | 0.11         |
| Tanui | Tanui | 930.2     | Tr50    | 133.76            | 1.49             | 4.80             |                  | 4.81             | 0.000122            | 0.48              | 294.58            | 252.53           | 0.10         |
| Tanui | Tanui | 930.2     | Tr100   | 158.21            | 1.49             | 4.88             |                  | 4.89             | 0.000139            | 0.51              | 314.51            | 254.36           | 0.10         |
| Tanui | Tanui | 930.2     | Tr200   | 182.64            | 1.49             | 4.95             |                  | 4.96             | 0.000158            | 0.53              | 332.19            | 257.14           | 0.11         |
| Tanui | Tanui | 930.2     | Tr500   | 214.95            | 1.49             | 5.04             |                  | 5.06             | 0.000177            | 0.55              | 356.12            | 260.31           | 0.12         |
| Tanui | Tanui | 810.7     | Tr50    | 133.76            | 1.50             | 4.75             |                  | 4.78             | 0.000417            | 0.84              | 202.61            | 263.22           | 0.18         |
| Tanui | Tanui | 810.7     | Tr100   | 158.21            | 1.50             | 4.83             |                  | 4.85             | 0.000441            | 0.88              | 222.32            | 264.20           | 0.19         |
| Tanui | Tanui | 810.7     | Tr200   | 182.64            | 1.50             | 4.89             |                  | 4.92             | 0.000468            | 0.92              | 239.52            | 265.15           | 0.19         |
| Tanui | Tanui | 810.7     | Tr500   | 214.95            | 1.50             | 4.98             |                  | 5.02             | 0.000483            | 0.96              | 263.23            | 266.48           | 0.20         |
| Tanui | Tanui | 732.6     | Tr50    | 133.76            | 1.39             | 4.59             |                  | 4.70             | 0.001493            | 1.65              | 111.22            | 261.53           | 0.34         |
| Tanui | Tanui | 732.6     | Tr100   | 158.21            | 1.39             | 4.67             |                  | 4.78             | 0.001520            | 1.69              | 133.81            | 286.34           | 0.35         |
| Tanui | Tanui | 732.6     | Tr200   | 182.64            | 1.39             | 4.74             |                  | 4.85             | 0.001513            | 1.70              | 155.38            | 303.21           | 0.35         |
| Tanui | Tanui | 732.6     | Tr500   | 214.95            | 1.39             | 4.86             |                  | 4.95             | 0.001295            | 1.60              | 191.97            | 329.51           | 0.32         |
| Tanui | Tanui | 610       | Tr50    | 133.76            | 1.23             | 4.40             |                  | 4.49             | 0.001455            | 1.49              | 123.62            | 294.70           | 0.33         |
| Tanui | Tanui | 610       | Tr100   | 158.21            | 1.23             | 4.48             |                  | 4.57             | 0.001419            | 1.51              | 147.37            | 305.18           | 0.33         |
| Tanui | Tanui | 610       | Tr200   | 182.64            | 1.23             | 4.57             |                  | 4.64             | 0.001278            | 1.47              | 173.67            | 314.68           | 0.32         |
| Tanui | Tanui | 610       | Tr500   | 214.95            | 1.23             | 4.73             |                  | 4.78             | 0.000888            | 1.28              | 225.30            | 325.01           | 0.27         |
| Tanui | Tanui | 500.5     | Tr50    | 133.76            | 1.19             | 4.28             |                  | 4.34             | 0.000807            | 1.22              | 156.47            | 284.17           | 0.25         |
| Tanui | Tanui | 500.5     | Tr100   | 158.21            | 1.19             | 4.36             |                  | 4.42             | 0.000813            | 1.25              | 178.75            | 292.15           | 0.26         |
| Tanui | Tanui | 500.5     | Tr200   | 182.64            | 1.19             | 4.46             |                  | 4.51             | 0.000738            | 1.22              | 208.05            | 323.95           | 0.25         |
| Tanui | Tanui | 500.5     | Tr500   | 214.95            | 1.19             | 4.65             |                  | 4.69             | 0.000488            | 1.04              | 272.92            | 329.38           | 0.20         |
| Tanui | Tanui | 369.5     | Tr50    | 133.76            | 1.06             | 4.10             |                  | 4.19             | 0.001734            | 1.53              | 121.17            | 310.37           | 0.36         |
| Tanui | Tanui | 369.5     | Tr100   | 158.21            | 1.06             | 4.20             |                  | 4.28             | 0.001420            | 1.44              | 156.34            | 343.43           | 0.33         |
| Tanui | Tanui | 369.5     | Tr200   | 182.64            | 1.06             | 4.34             |                  | 4.39             | 0.000964            | 1.24              | 204.17            | 354.13           | 0.28         |
| Tanui | Tanui | 369.5     | Tr500   | 214.95            | 1.06             | 4.59             |                  | 4.62             | 0.000461            | 0.93              | 294.40            | 357.01           | 0.19         |
| Tanui | Tanui | 296.1     | Tr50    | 133.76            | 1.03             | 3.86             |                  | 3.96             | 0.001564            | 1.60              | 121.04            | 292.28           | 0.35         |
| Tanui | Tanui | 296.1     | Tr100   | 158.21            | 1.03             | 3.94             |                  | 4.03             | 0.001599            | 1.65              | 144.41            | 381.41           | 0.35         |
| Tanui | Tanui | 296.1     | Tr200   | 182.64            | 1.03             | 3.99             |                  | 4.08             | 0.001650            | 1.70              | 165.99            | 453.45           | 0.36         |
| Tanui | Tanui | 296.1     | Tr500   | 214.95            | 1.03             | 4.05             | 3.90             | 4.14             | 0.001667            | 1.74              | 194.59            | 495.39           | 0.36         |
| Tanui | Tanui | 159.2     | Tr50    | 133.76            | 0.93             | 3.53             |                  | 3.57             | 0.000714            | 0.90              | 156.20            | 344.63           | 0.23         |
| Tanui | Tanui | 159.2     | Tr100   | 158.21            | 0.93             | 3.68             |                  | 3.71             | 0.000565            | 0.84              | 211.30            | 426.04           | 0.20         |
| Tanui | Tanui | 159.2     | Tr200   | 182.64            | 0.93             | 3.79             |                  | 3.81             | 0.000515            | 0.83              | 260.81            | 502.83           | 0.20         |
| Tanui | Tanui | 159.2     | Tr500   | 214.95            | 0.93             | 3.87             |                  | 3.90             | 0.000555            | 0.89              | 308.08            | 561.53           | 0.21         |
| Tanui | Tanui | 39.2      | Tr50    | 133.76            | 0.94             | 2.68             | 2.42             | 3.05             | 0.005001            | 2.15              | 52.73             | 39.68            | 0.59         |
| Tanui | Tanui | 39.2      | Tr100   | 158.21            | 0.94             | 2.83             | 2.56             | 3.24             | 0.005007            | 2.27              | 59.11             | 41.02            | 0.59         |
| Tanui | Tanui | 39.2      | Tr200   | 182.64            | 0.94             | 2.98             | 2.70             | 3.43             | 0.005000            | 2.38              | 65.27             | 42.28            | 0.60         |
| Tanui | Tanui | 39.2      | Tr500   | 214.95            | 0.94             | 3.17             | 2.87             | 3.66             | 0.005001            | 2.48              | 73.54             | 45.01            | 0.61         |

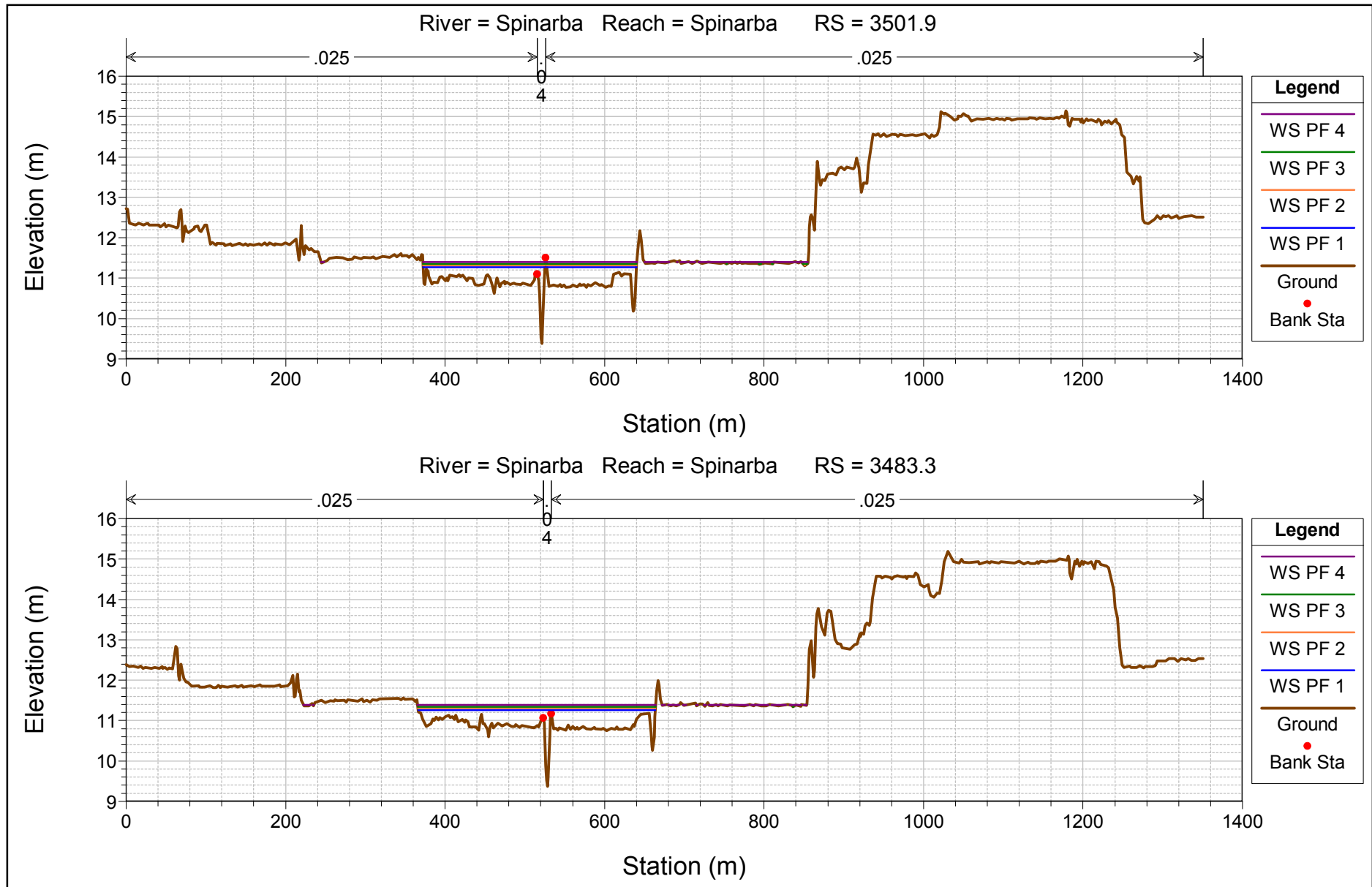
## SEZIONI SISTEMA SPINARBA - MERDEGANI - ROIA SA MURTA

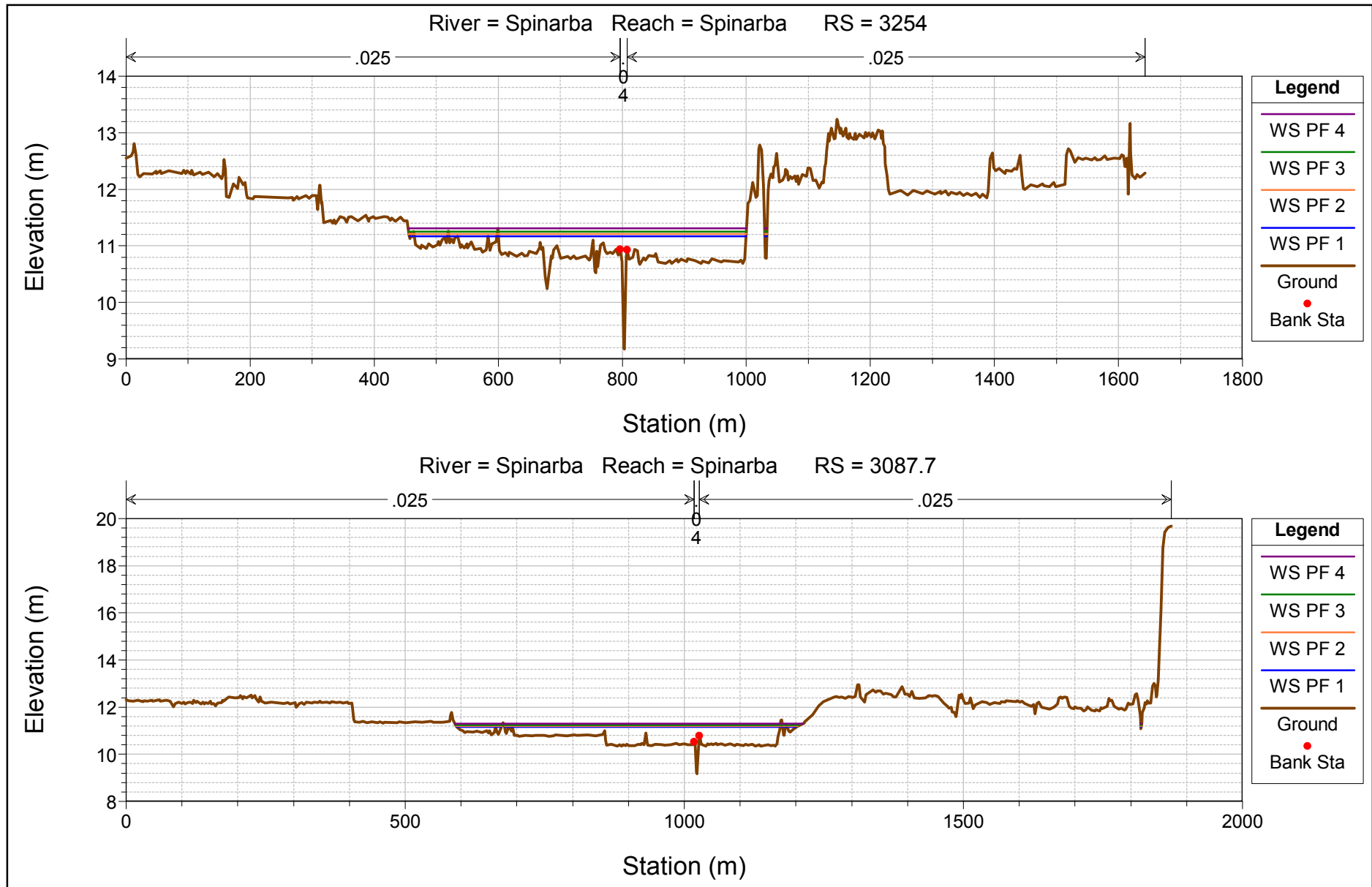


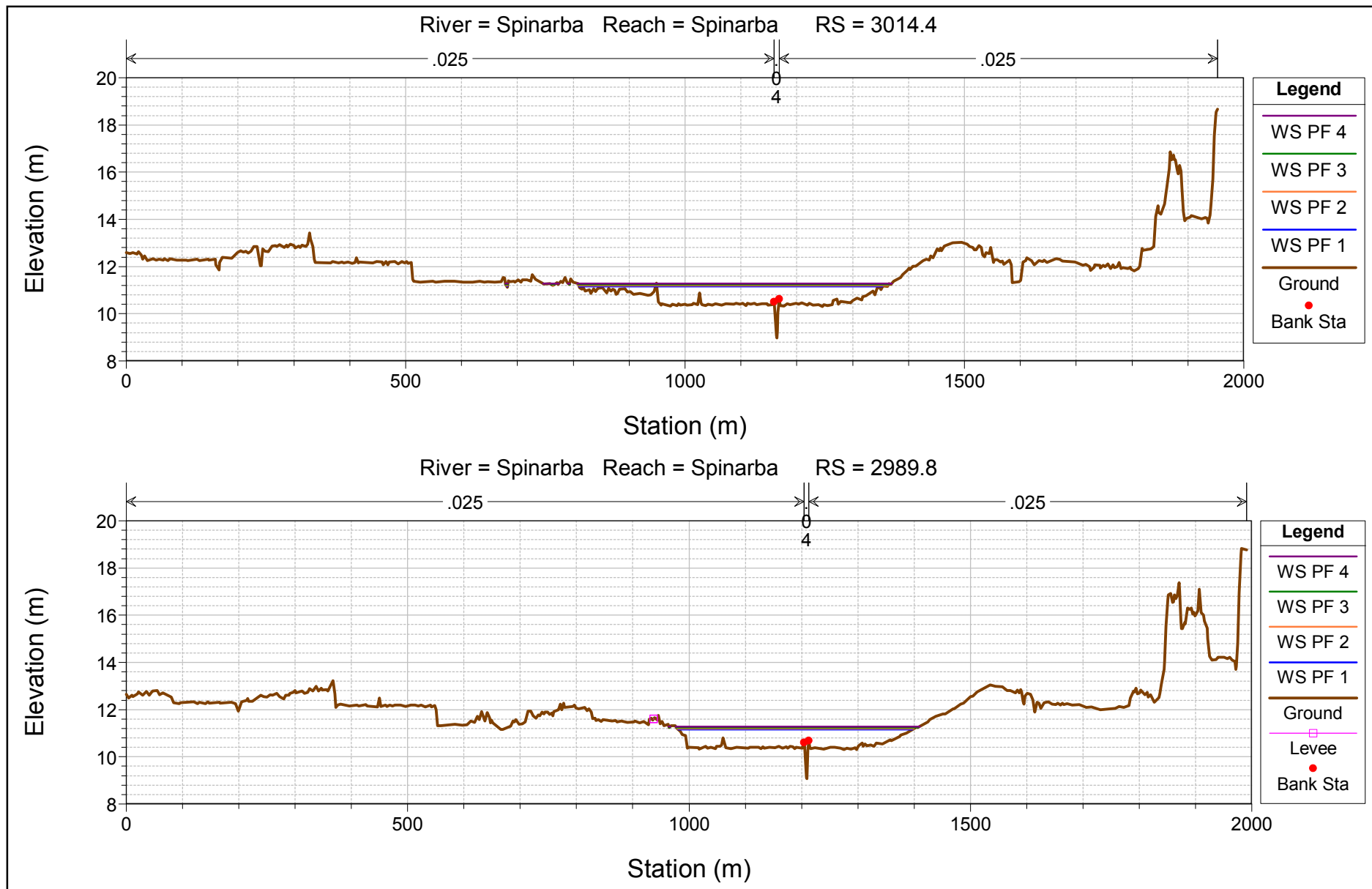


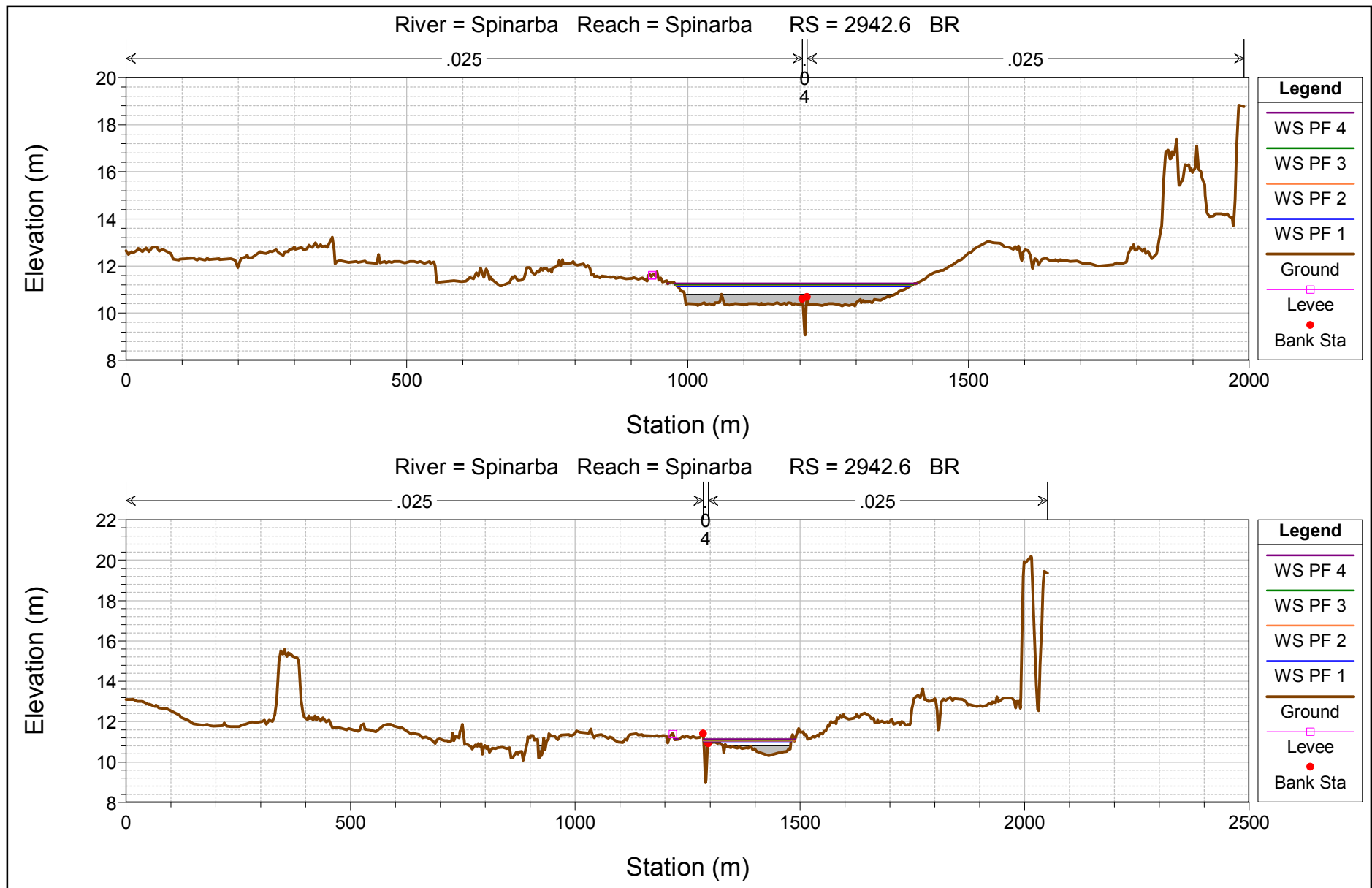


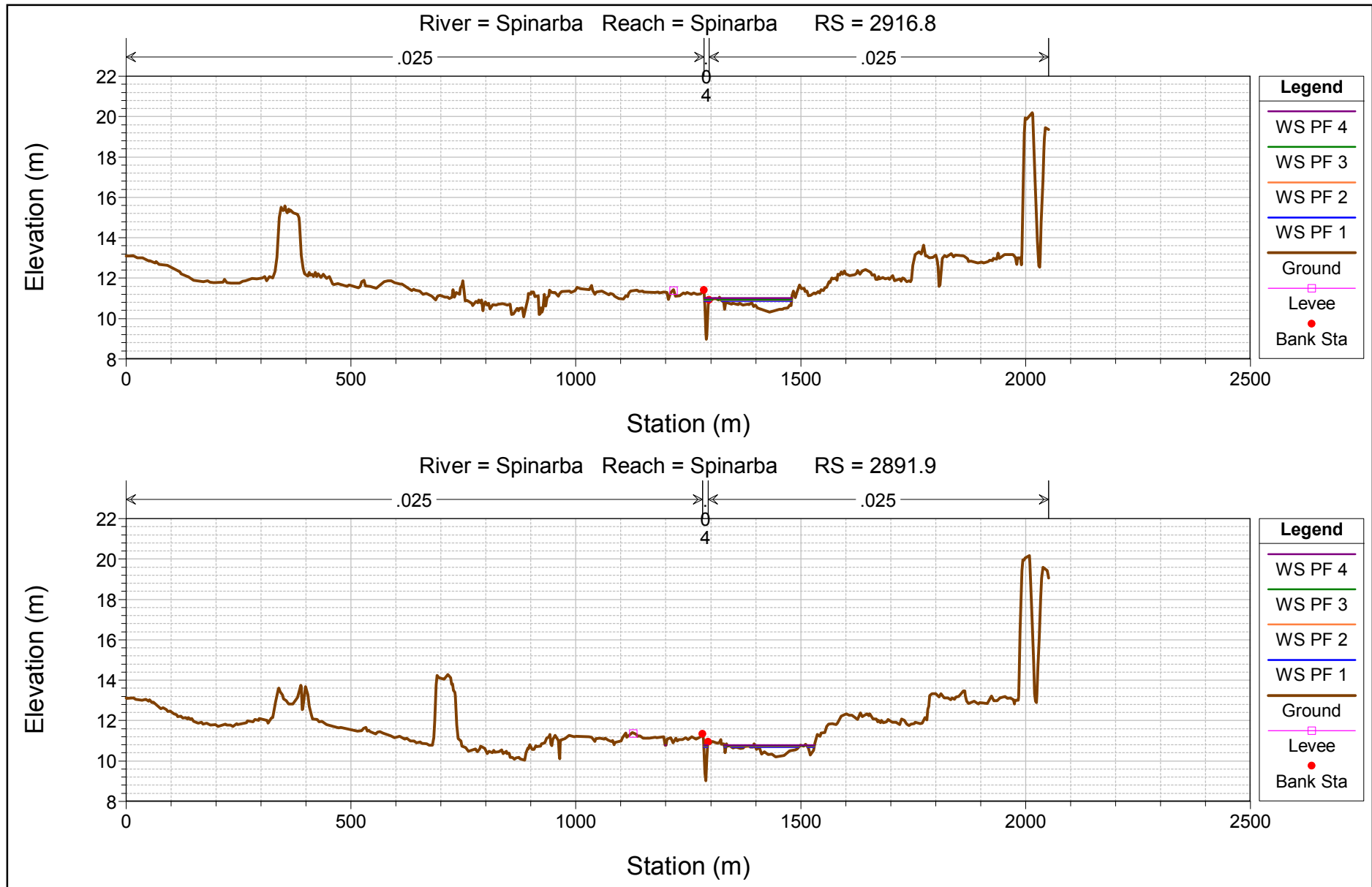


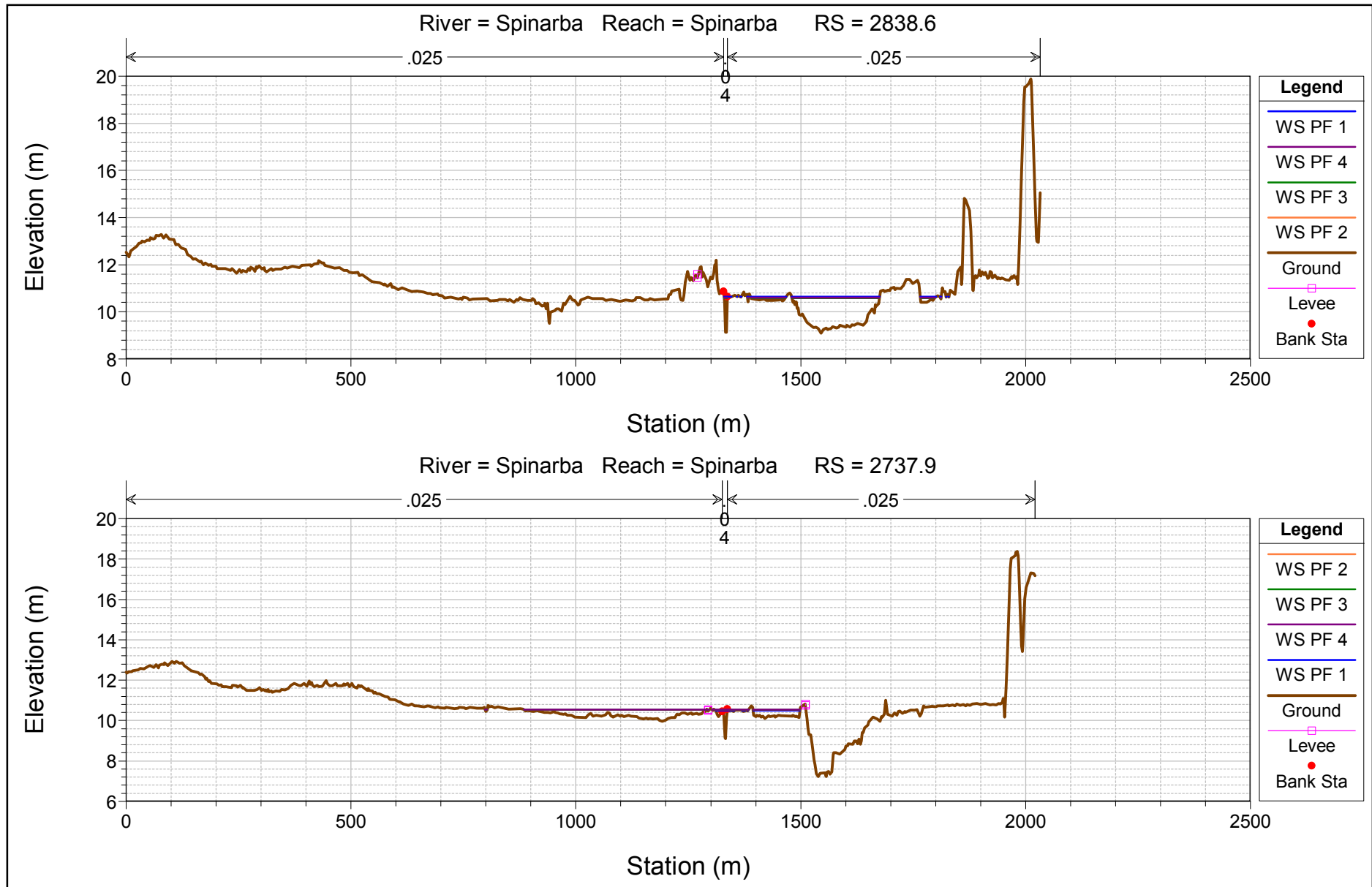




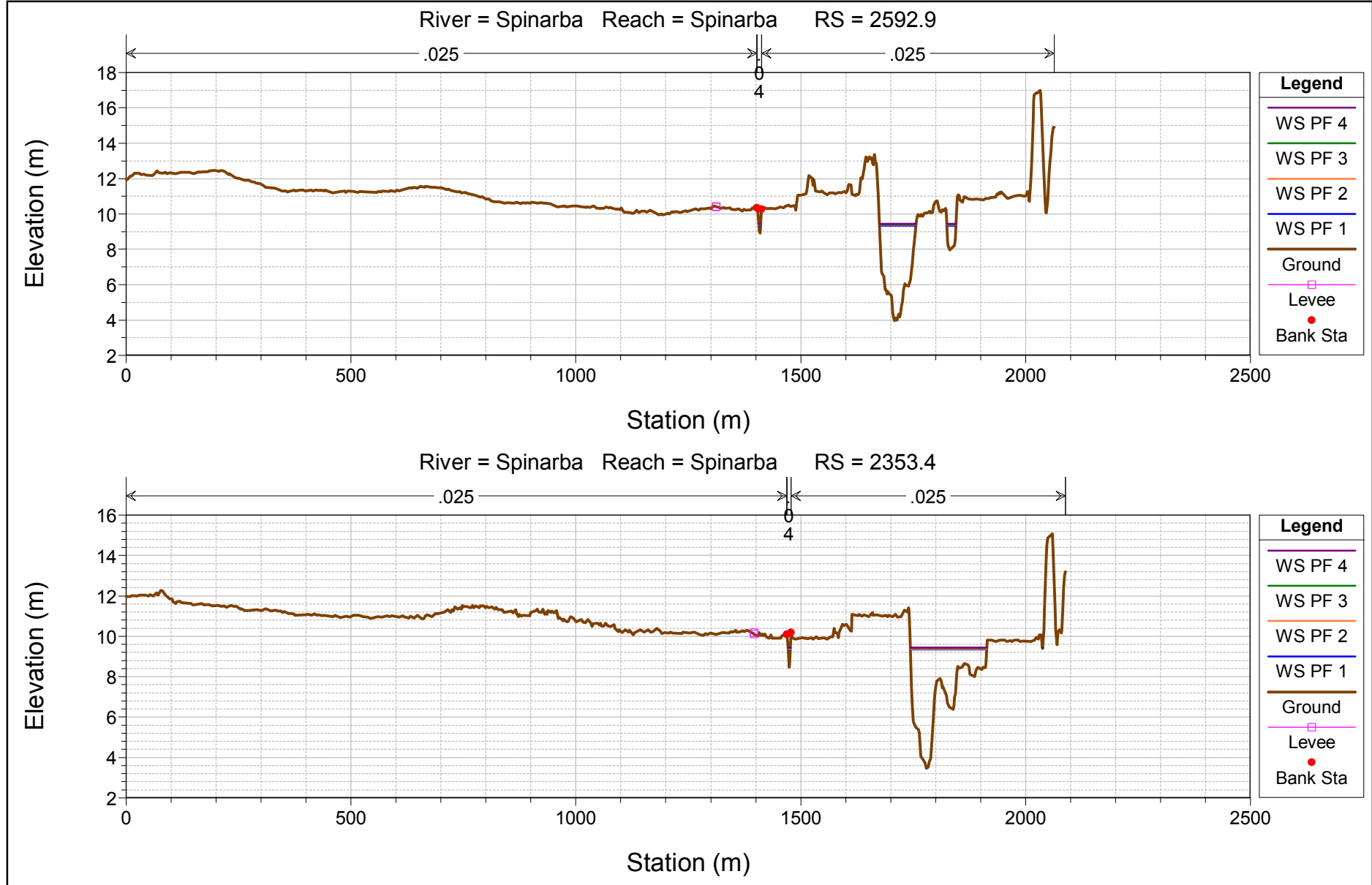


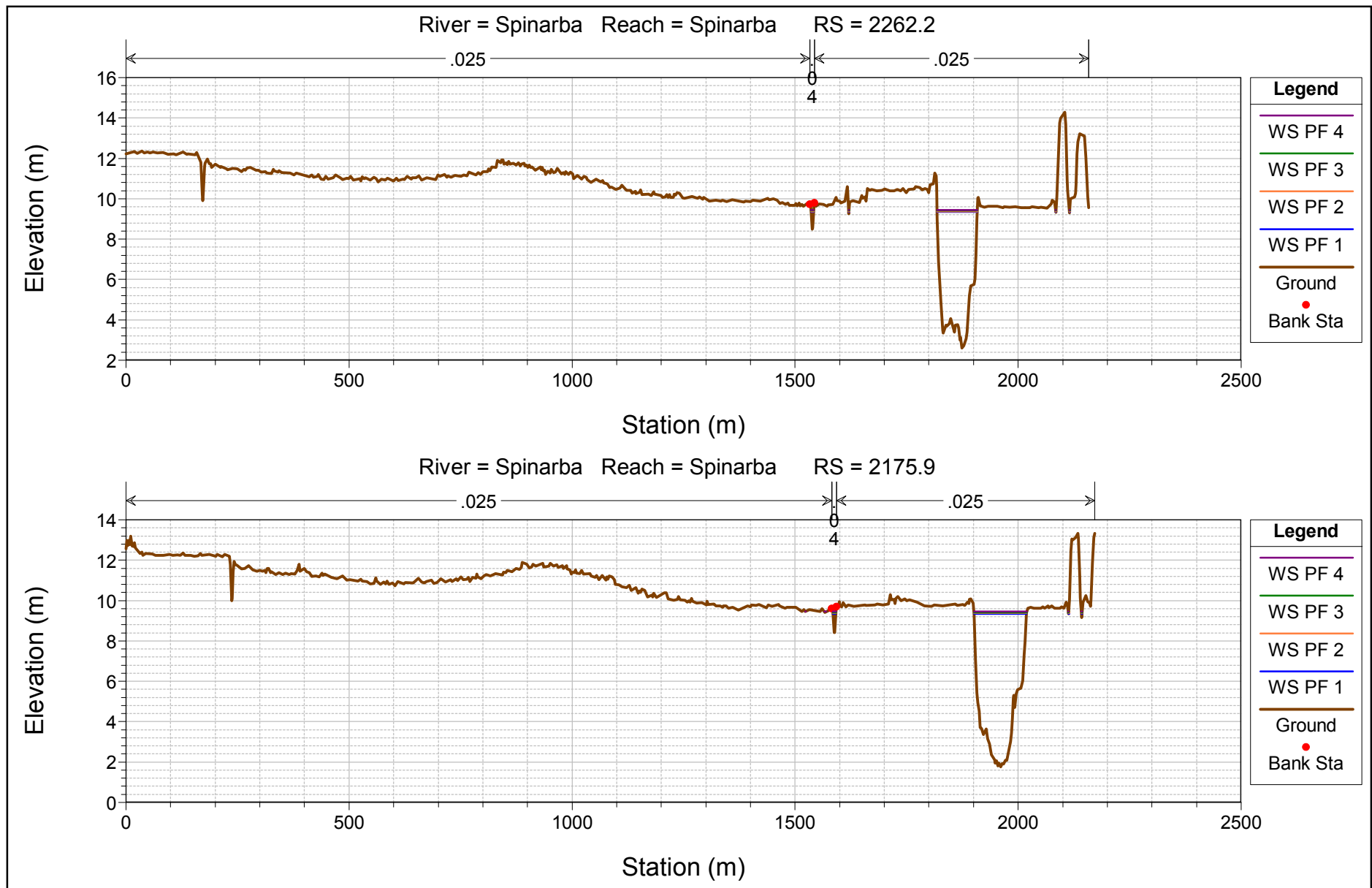


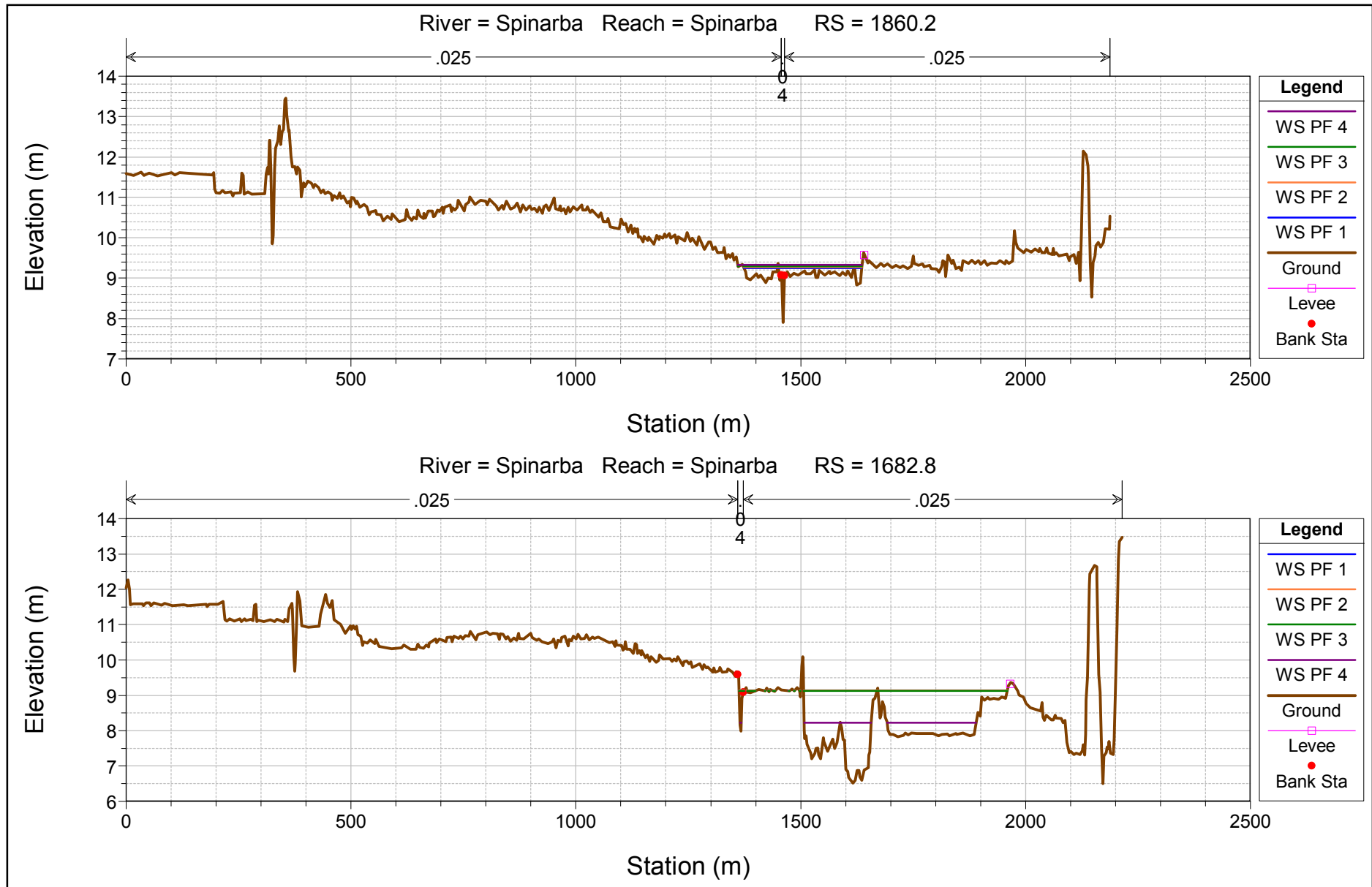


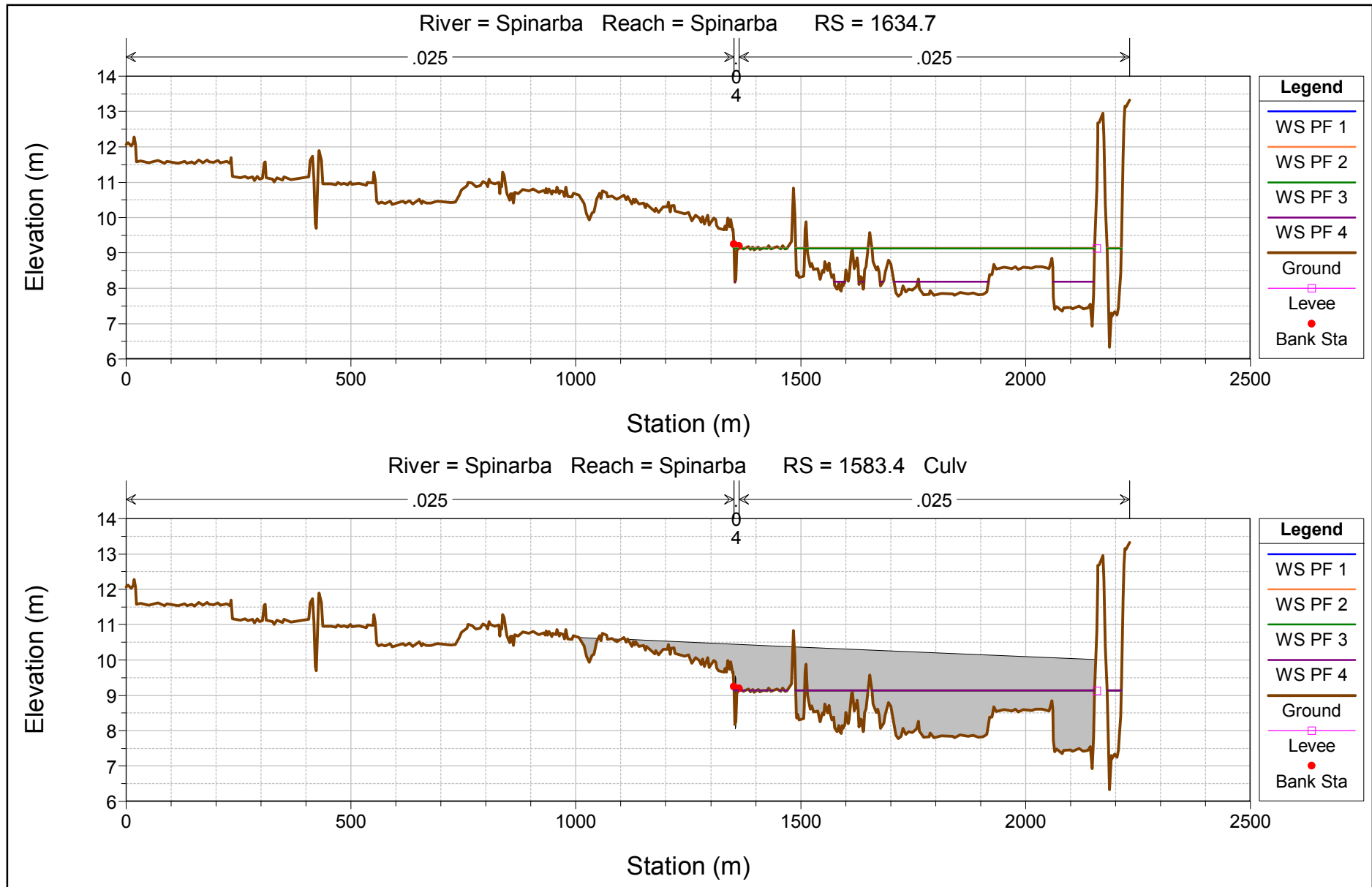


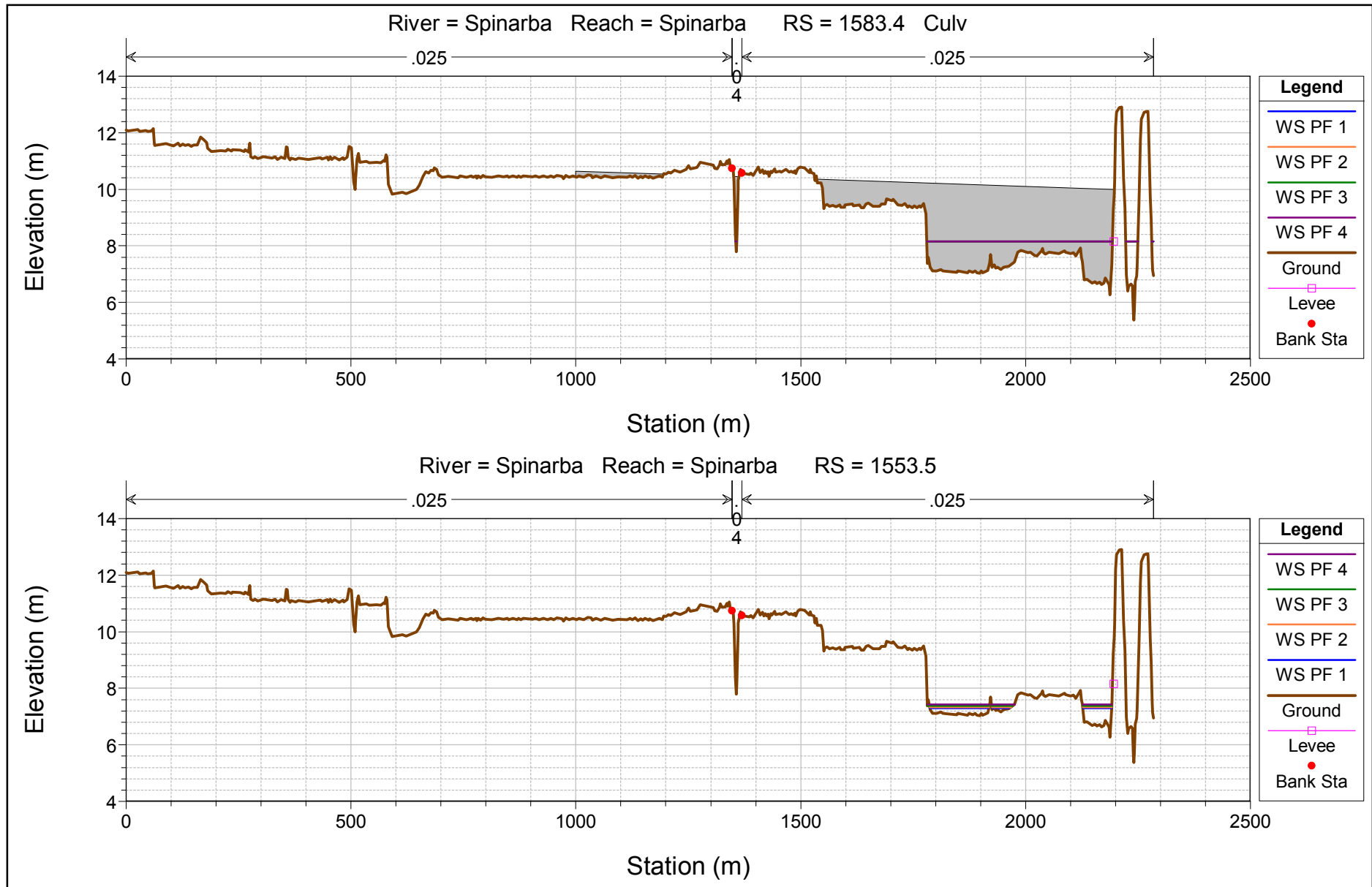


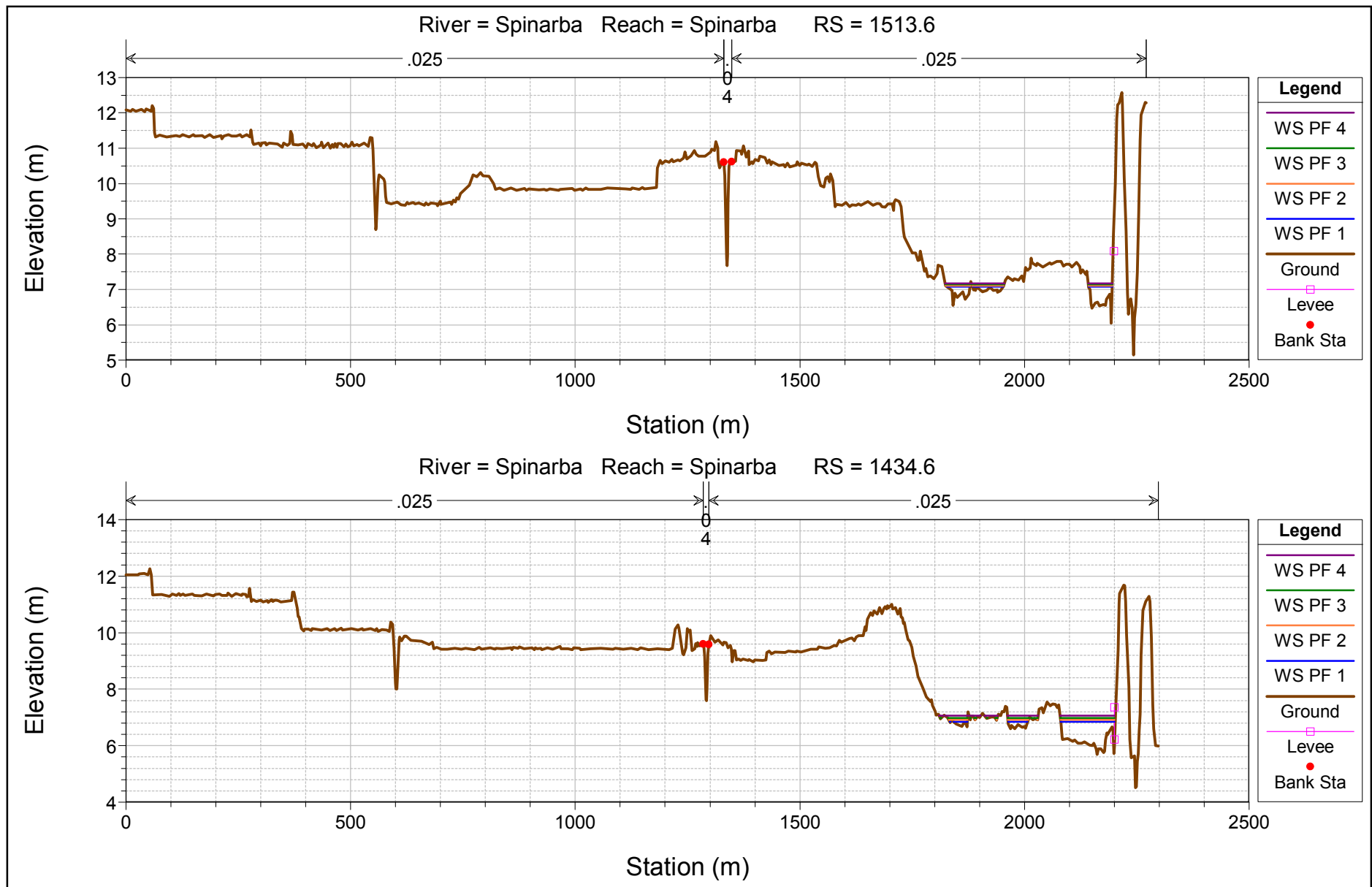


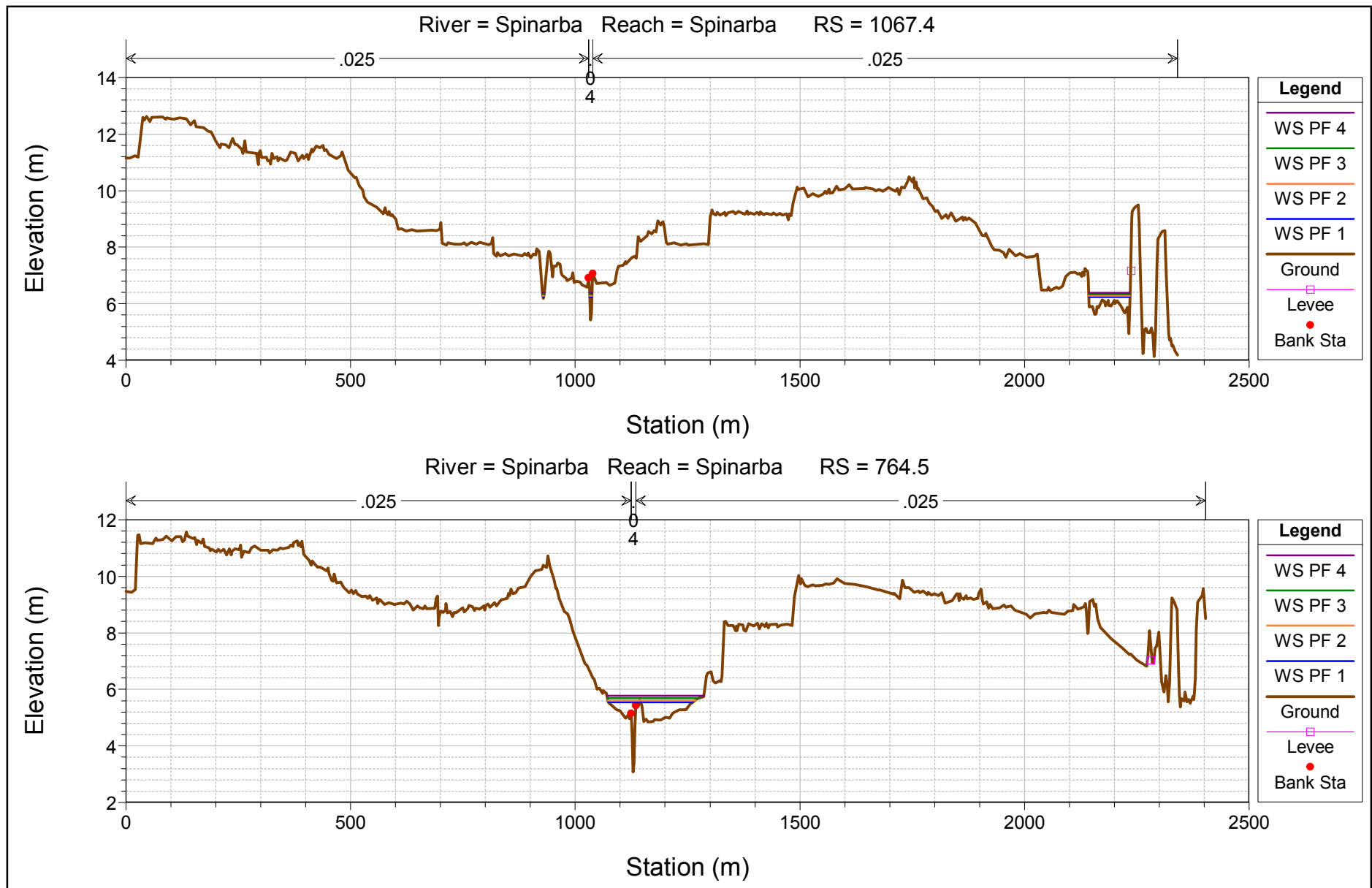


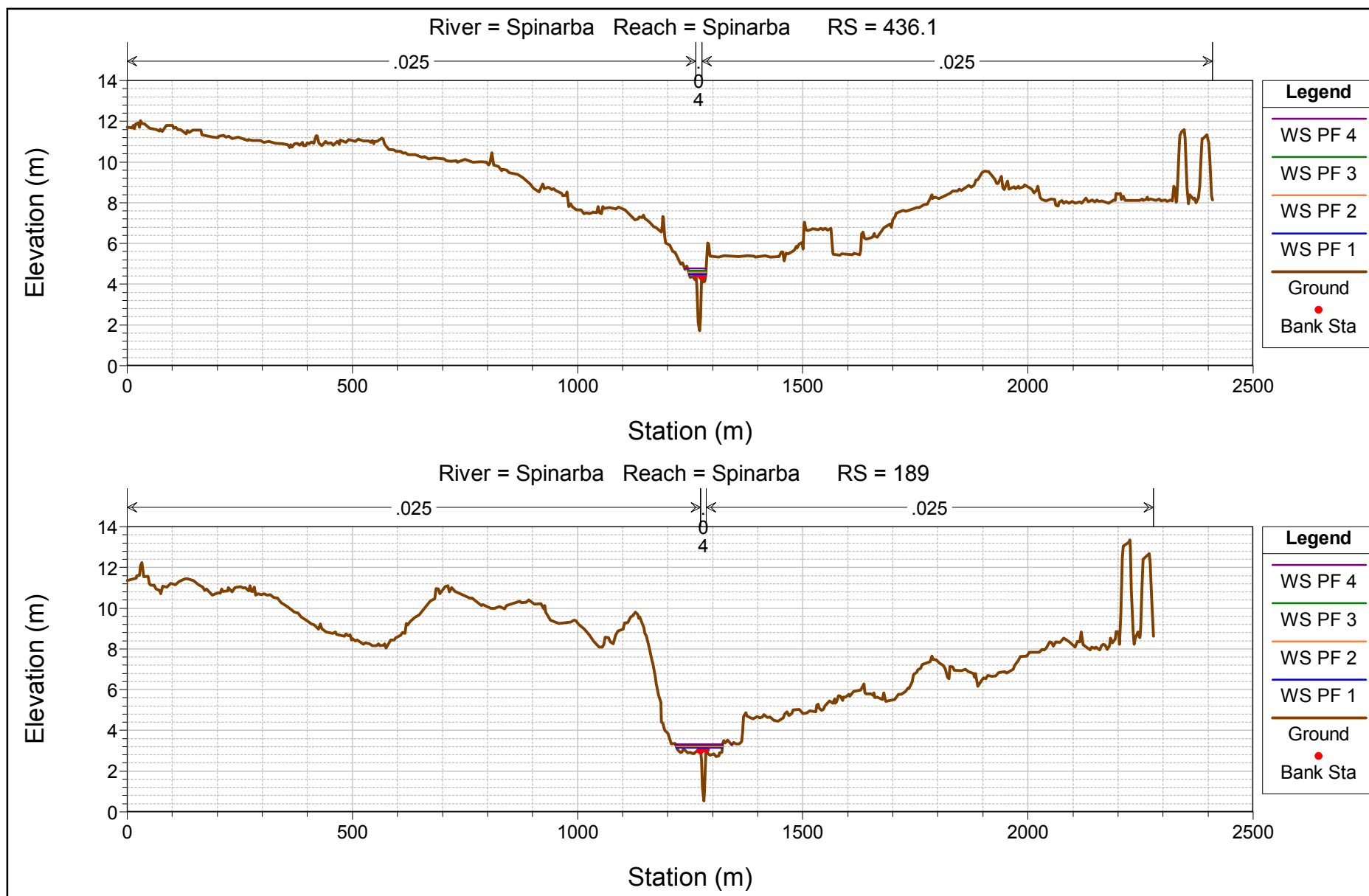




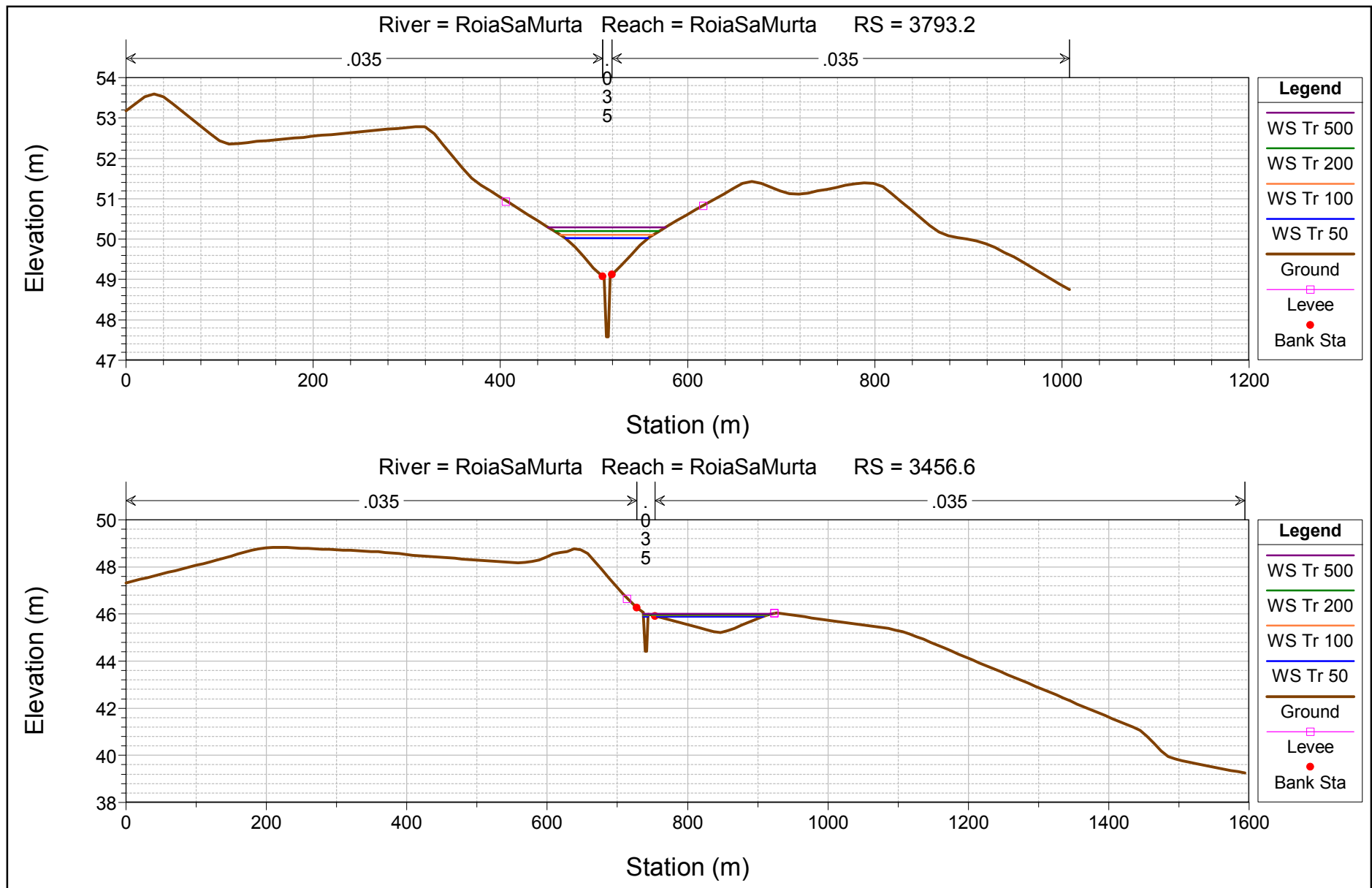


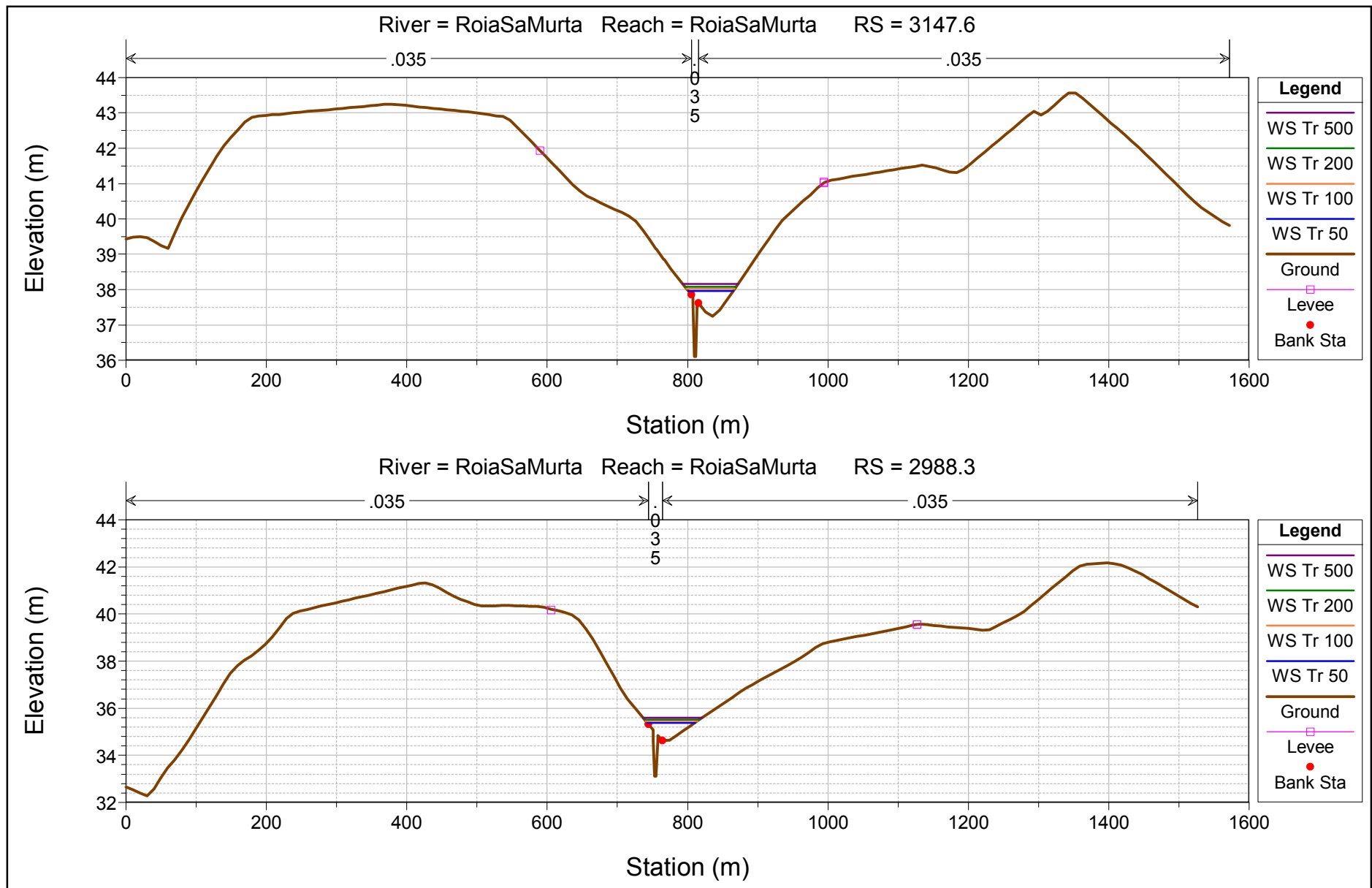


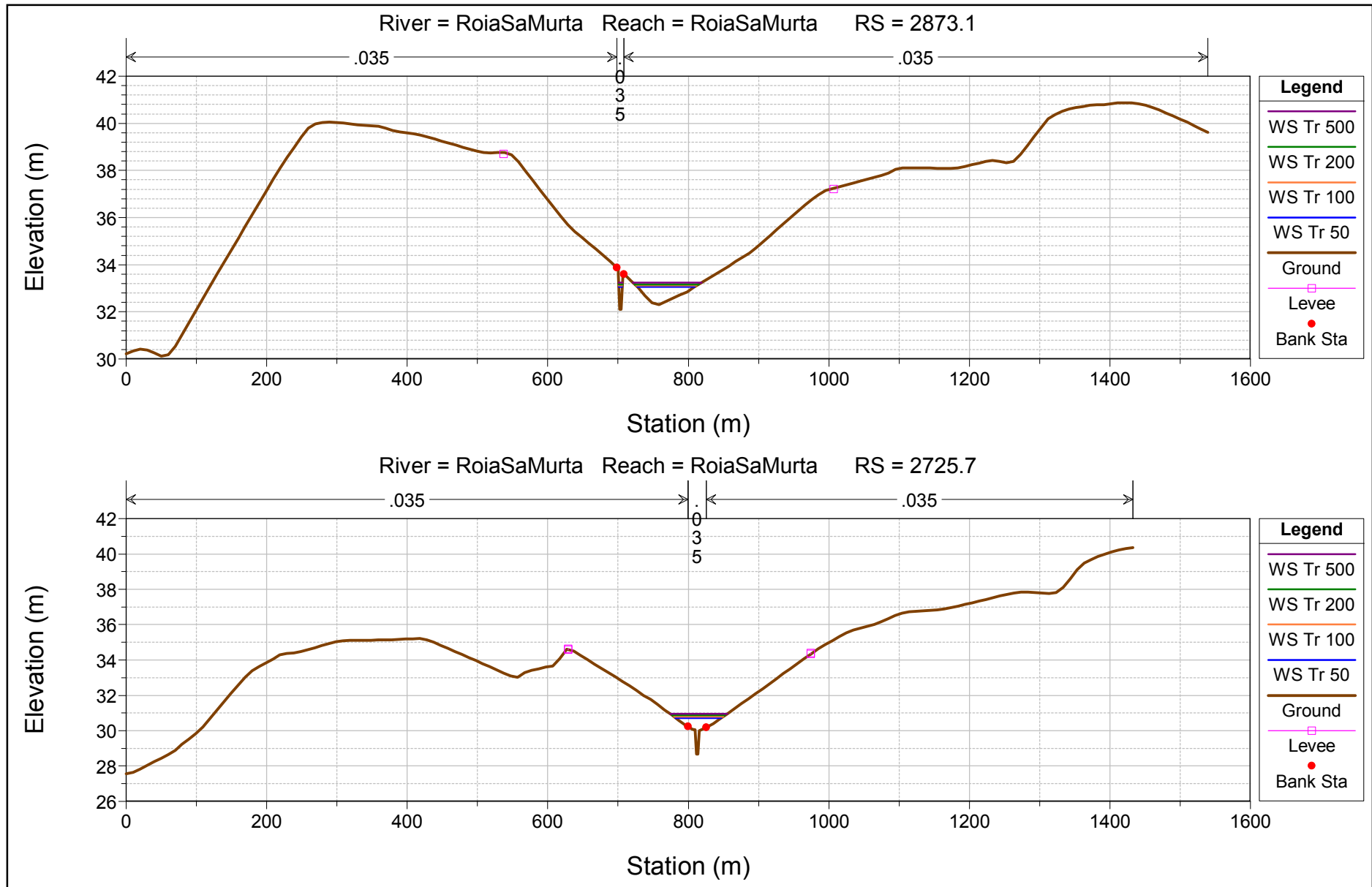


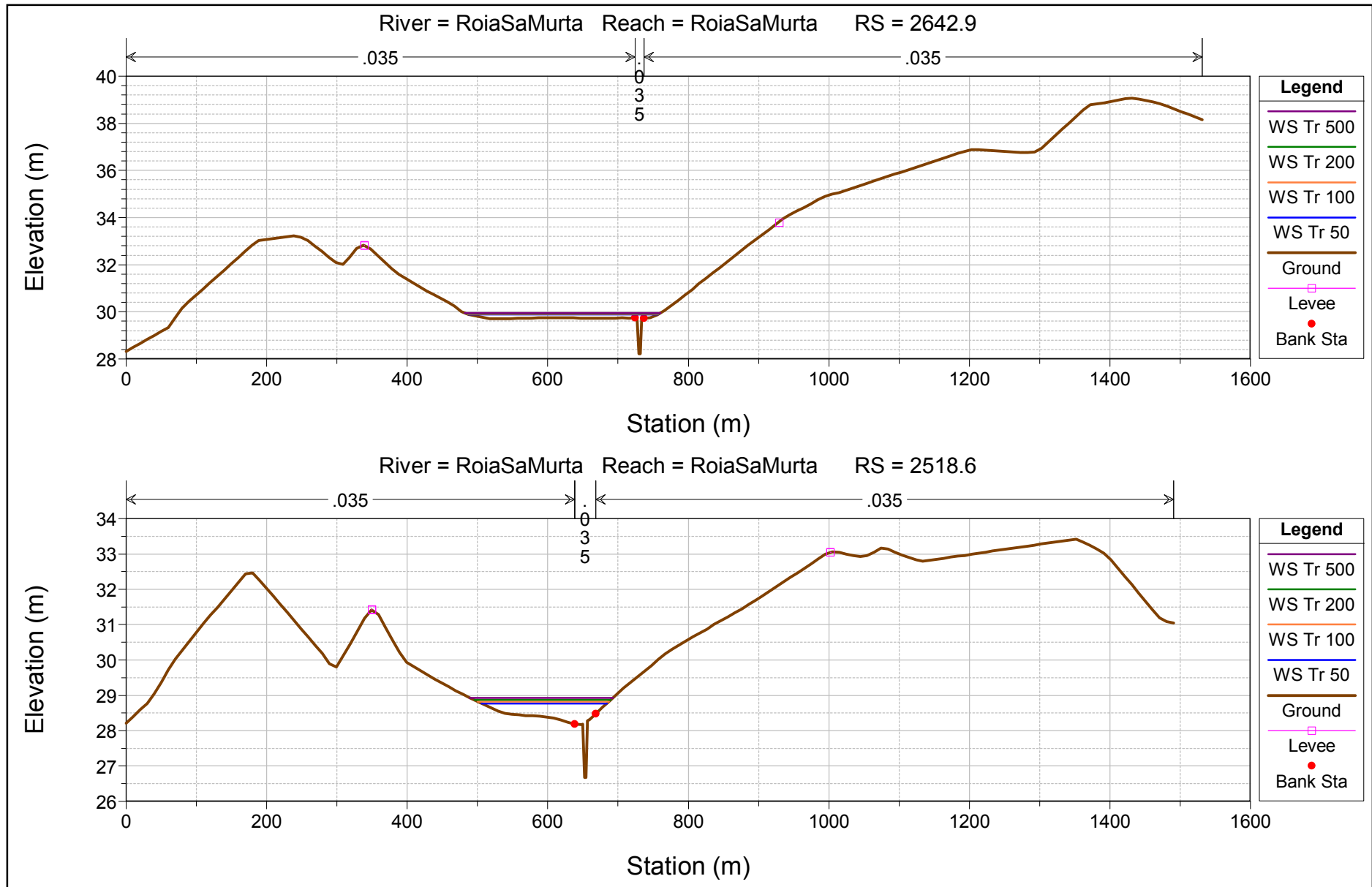


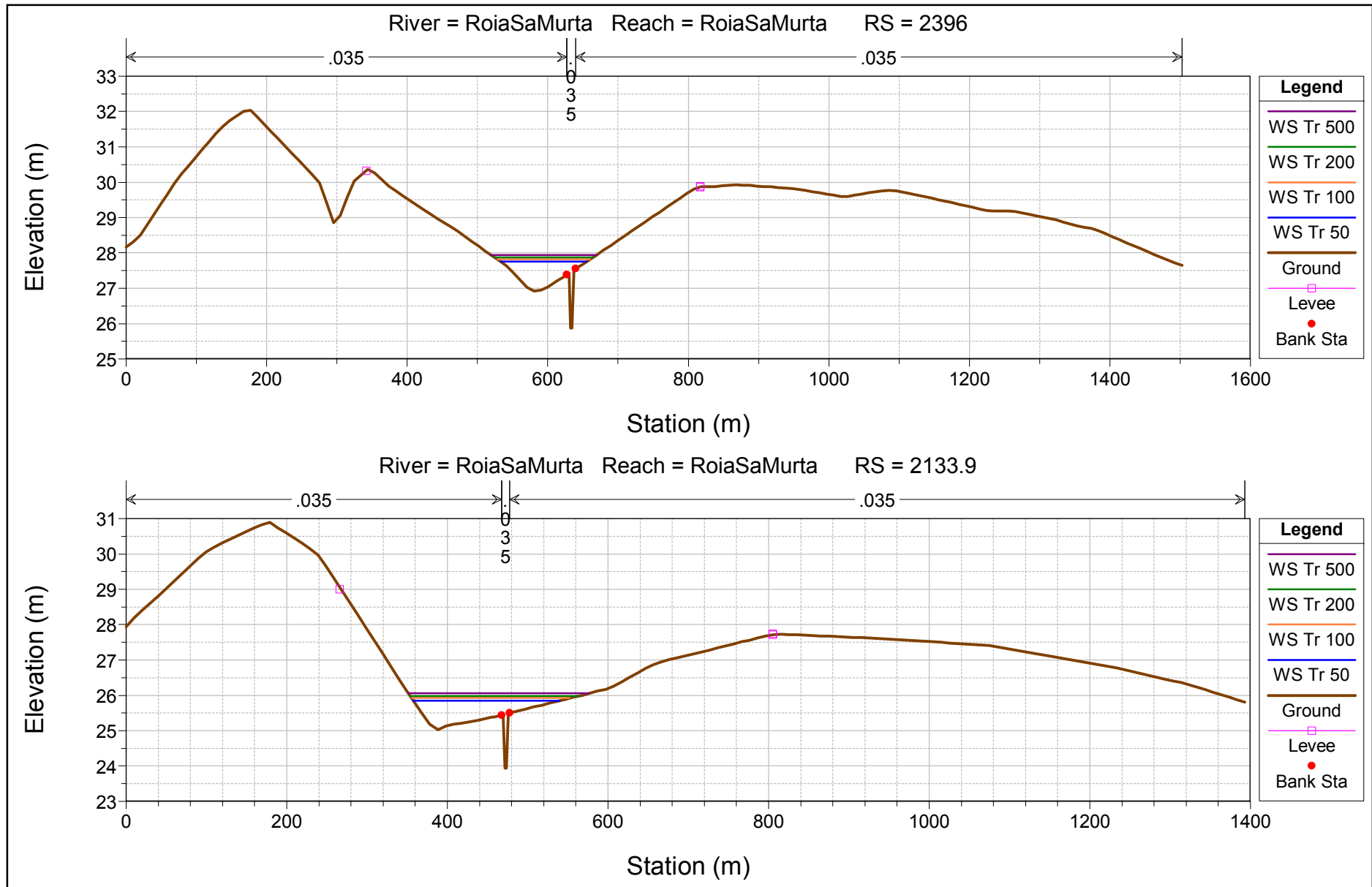


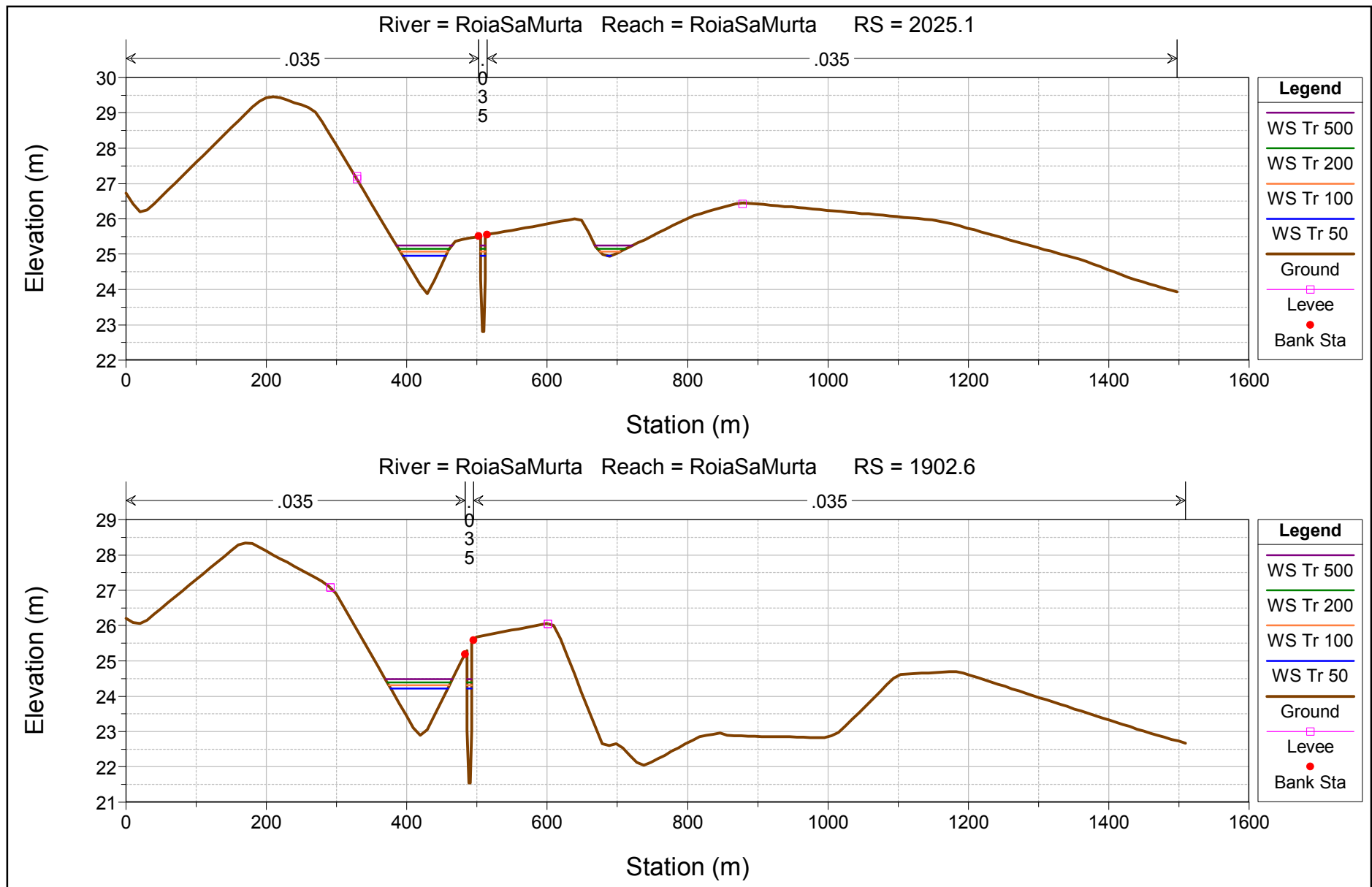


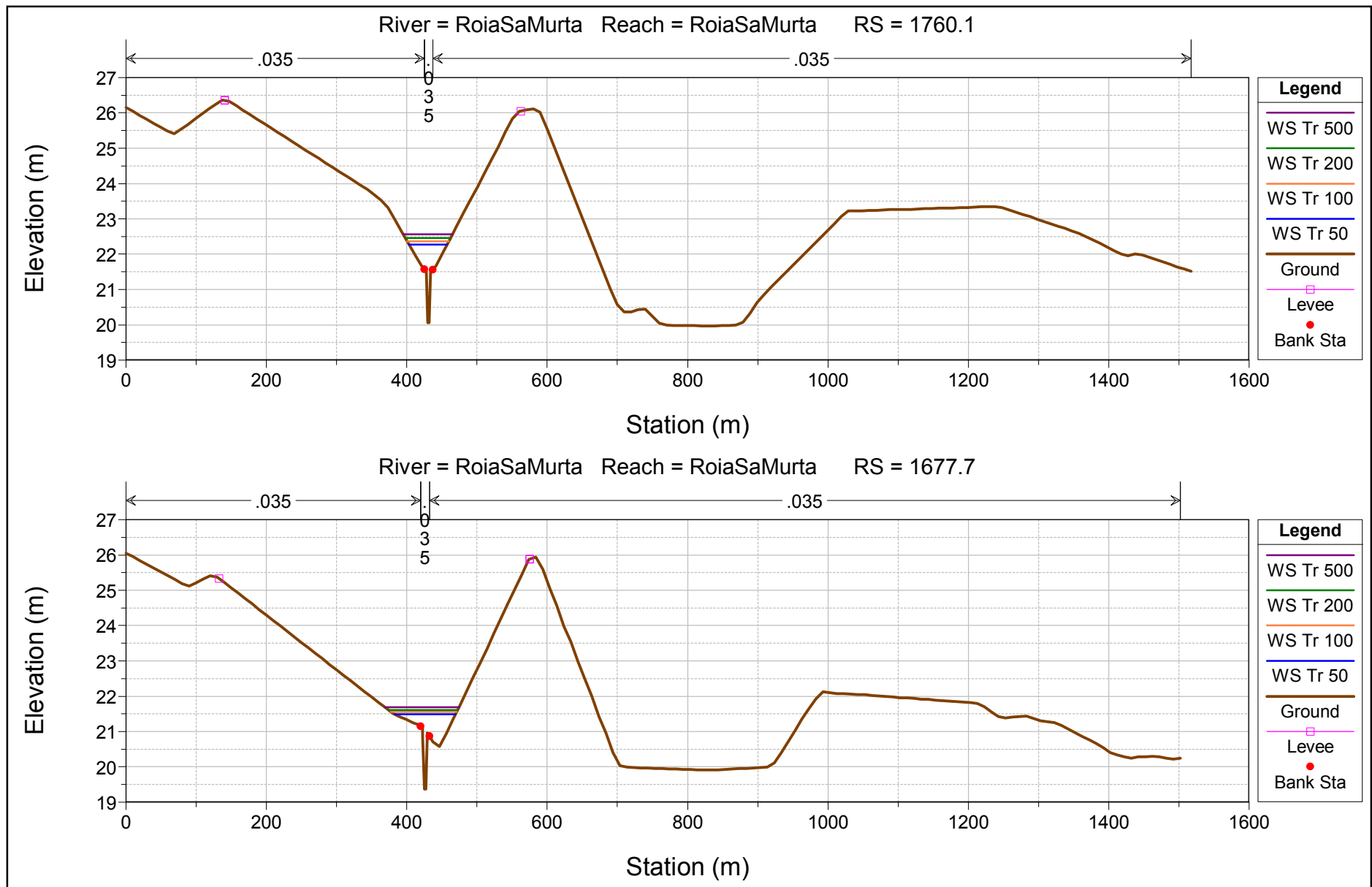


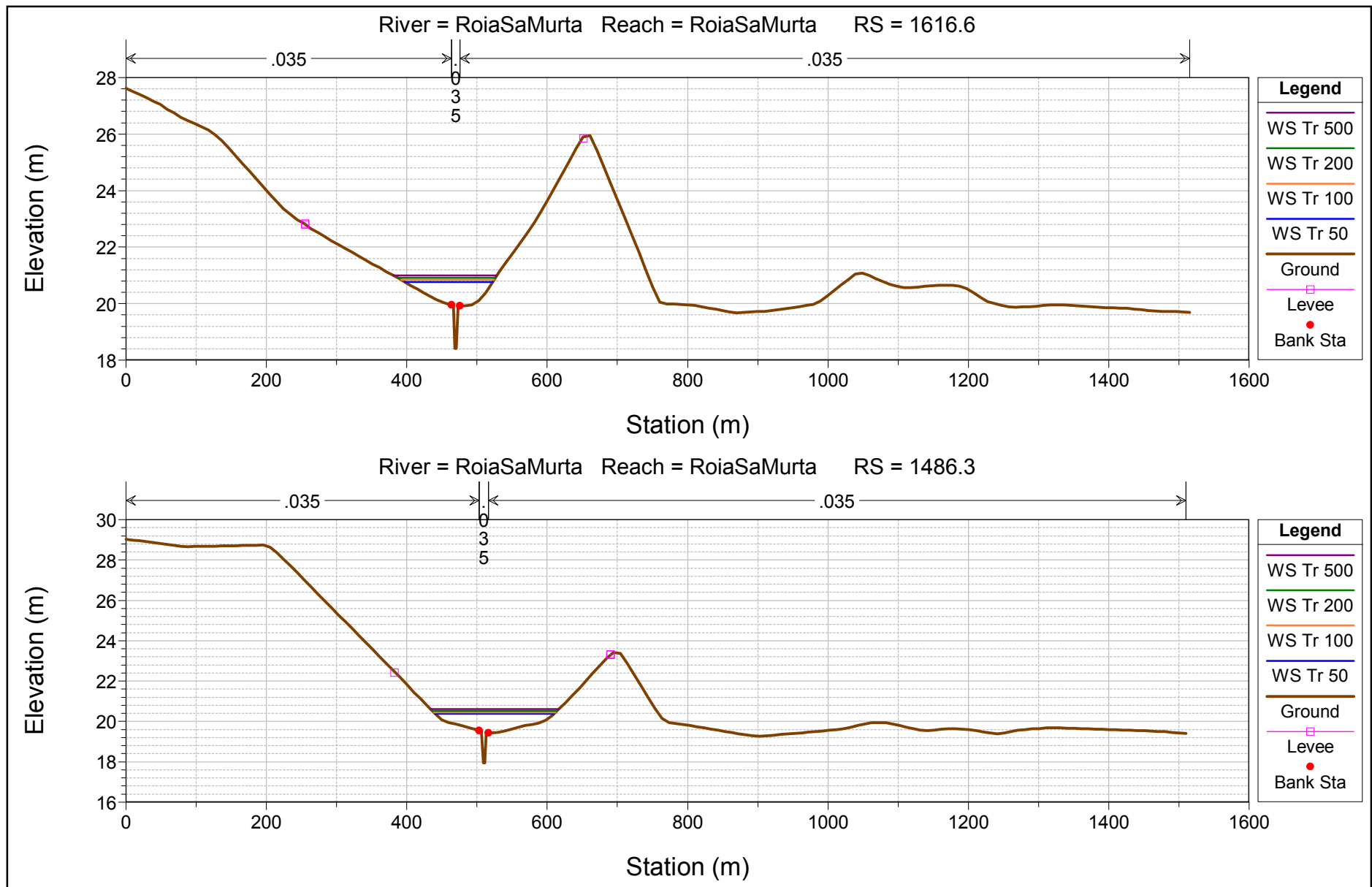




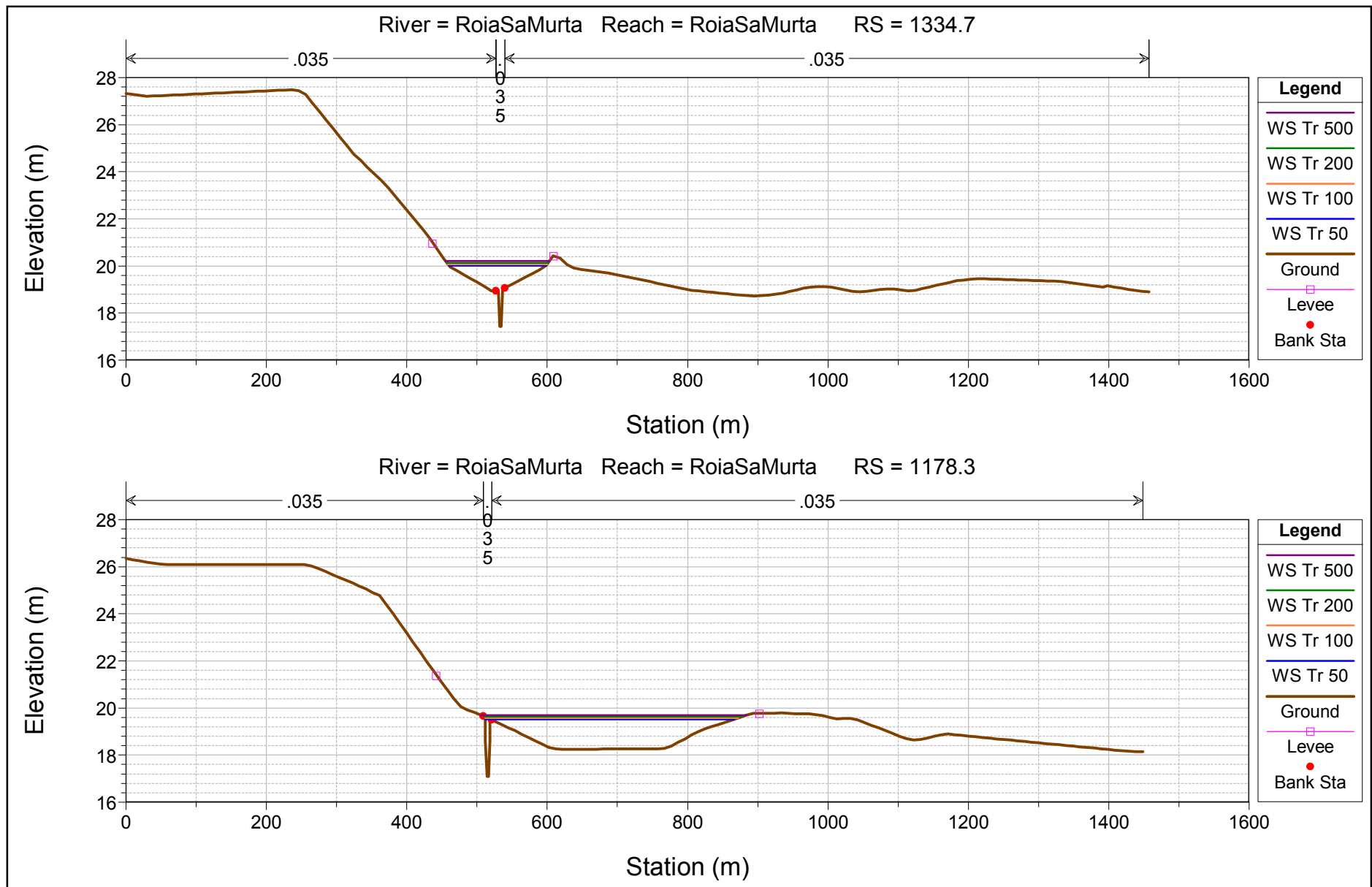


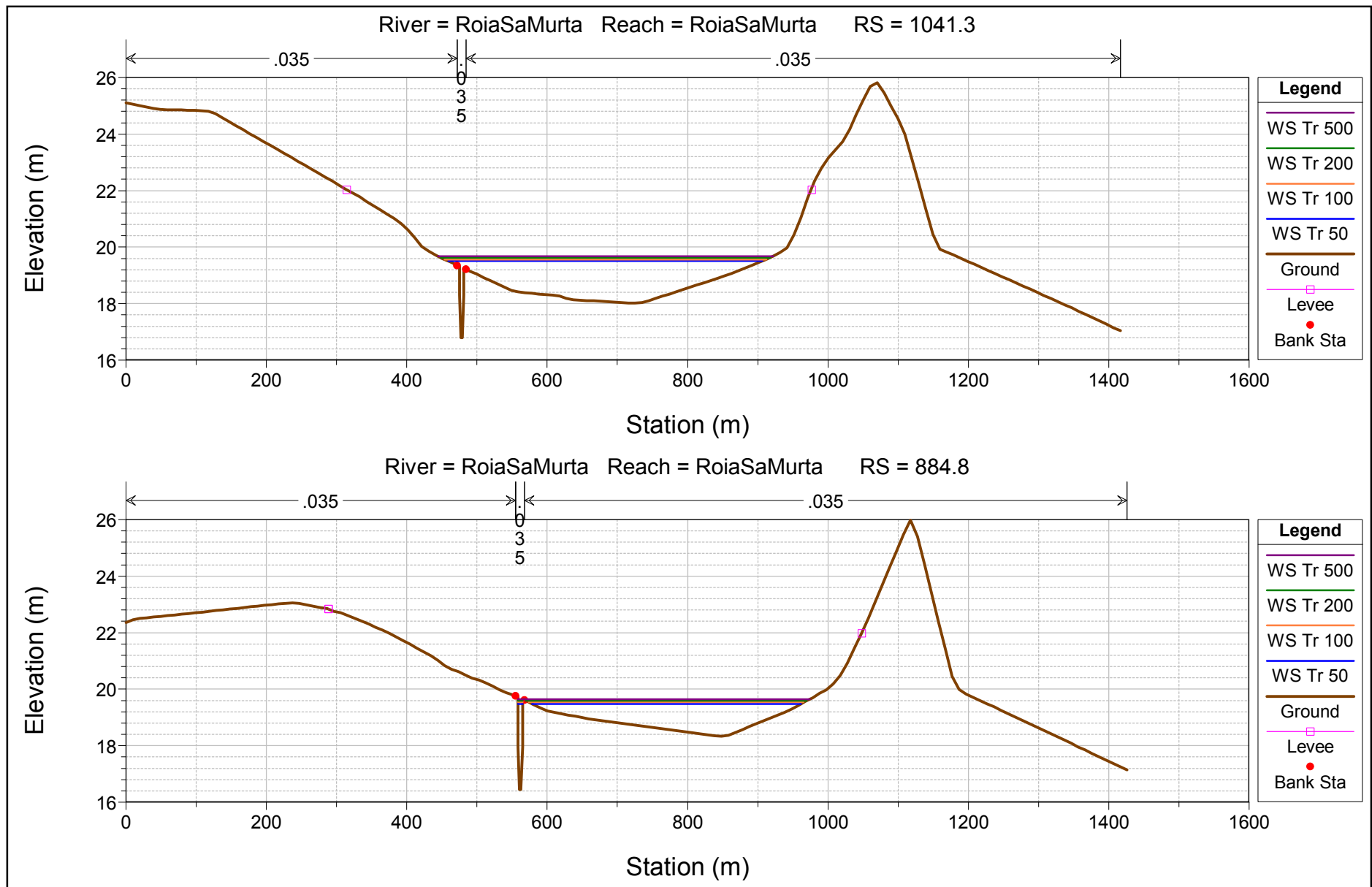


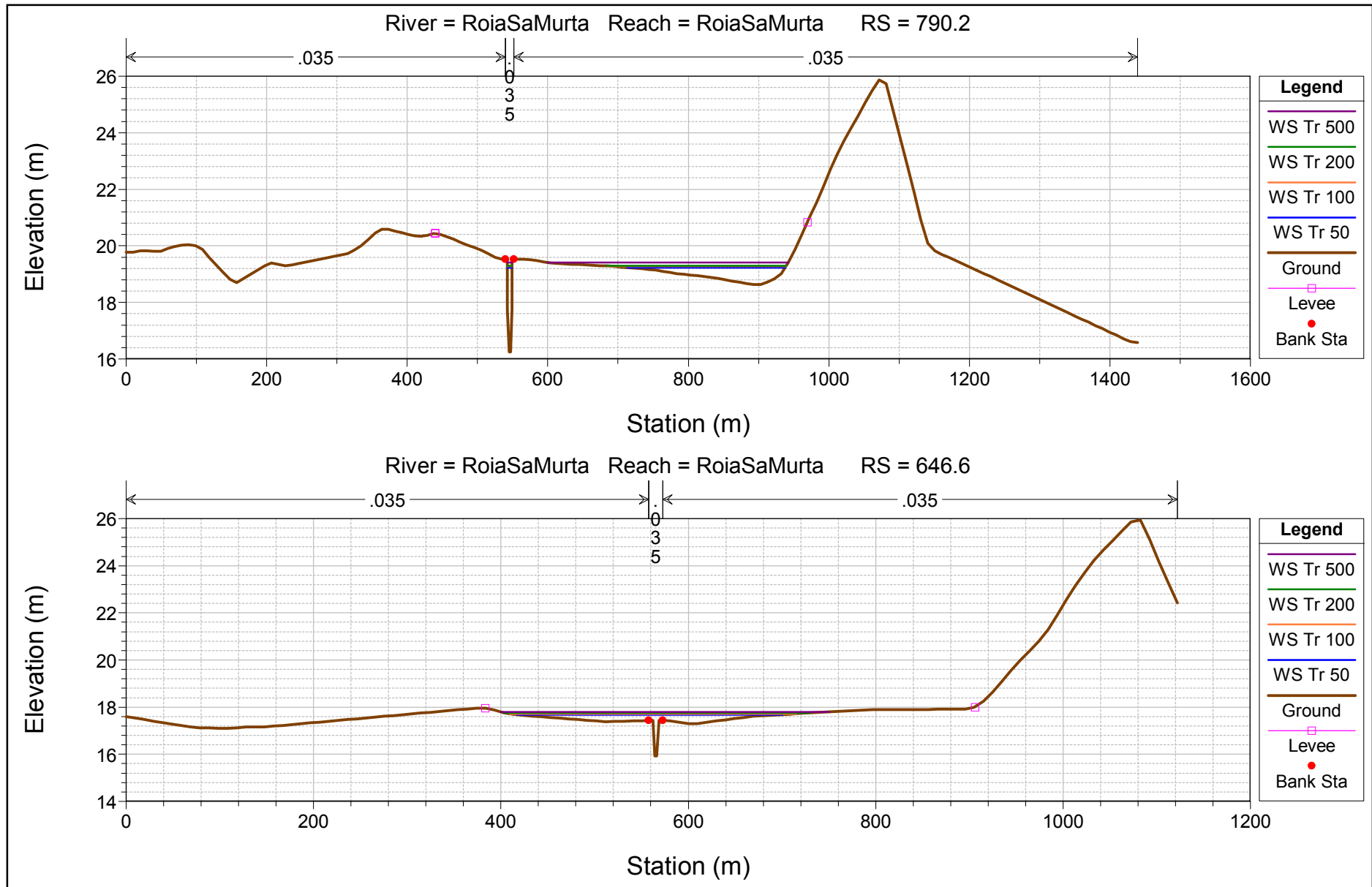


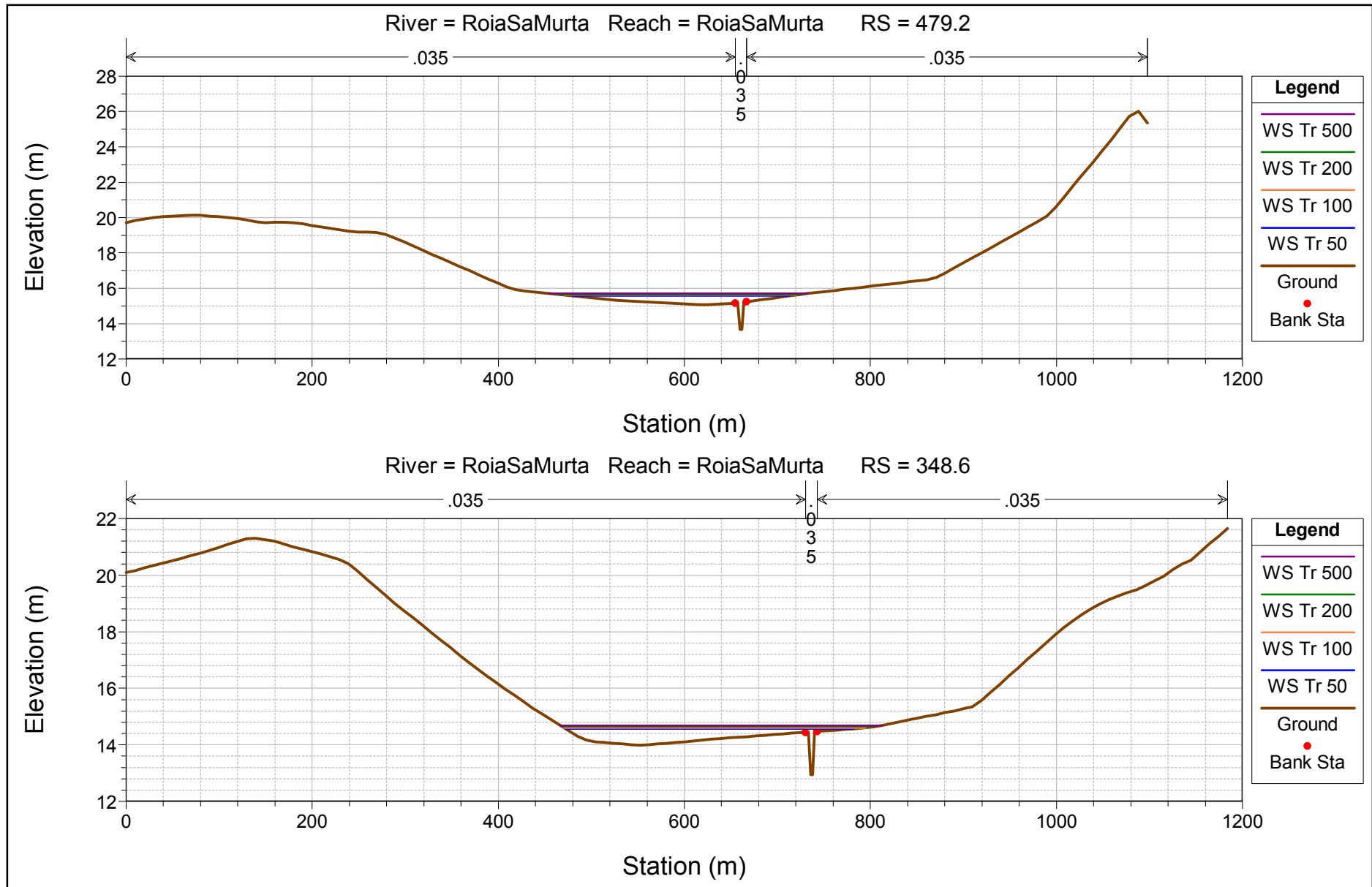


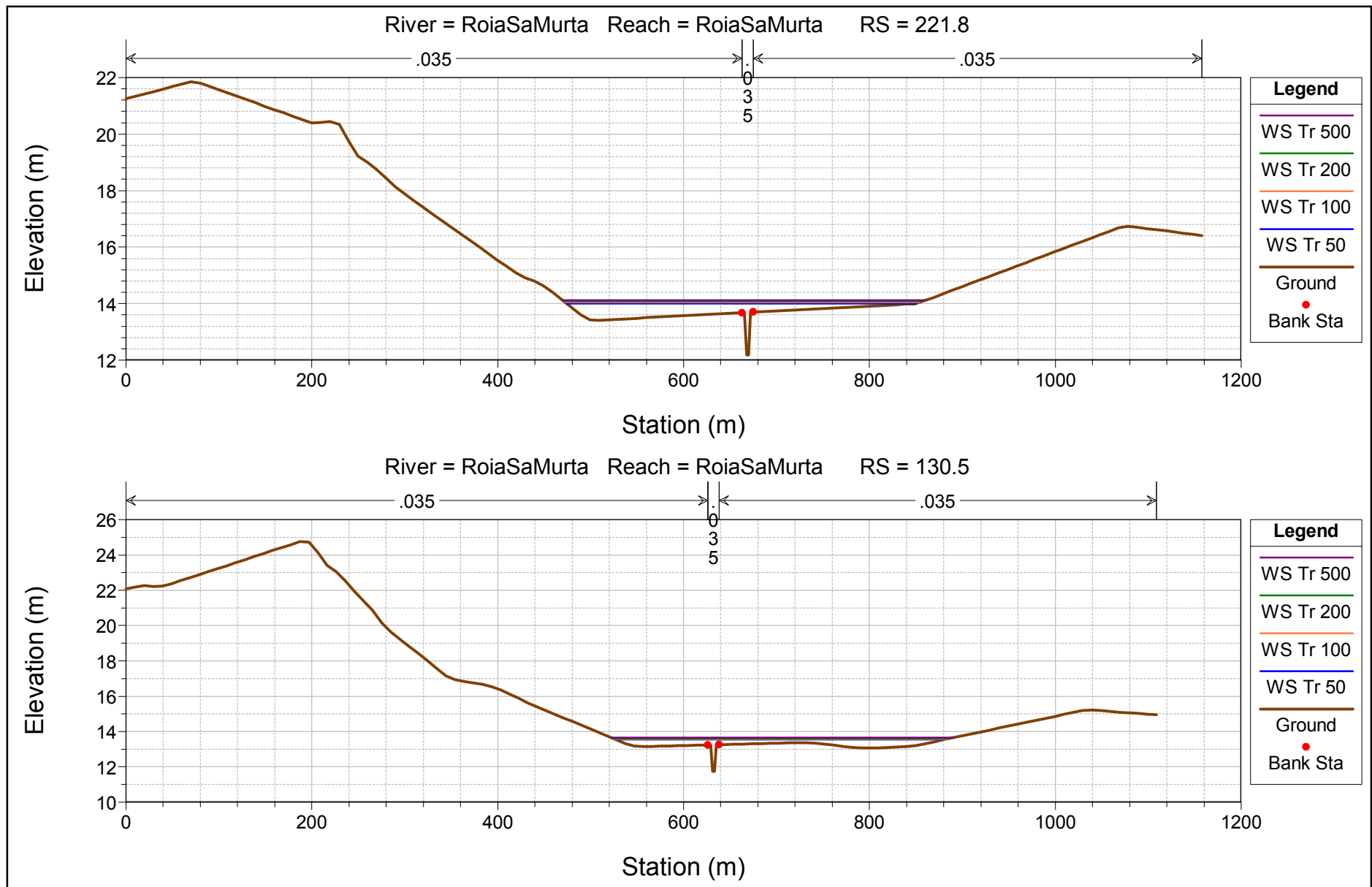


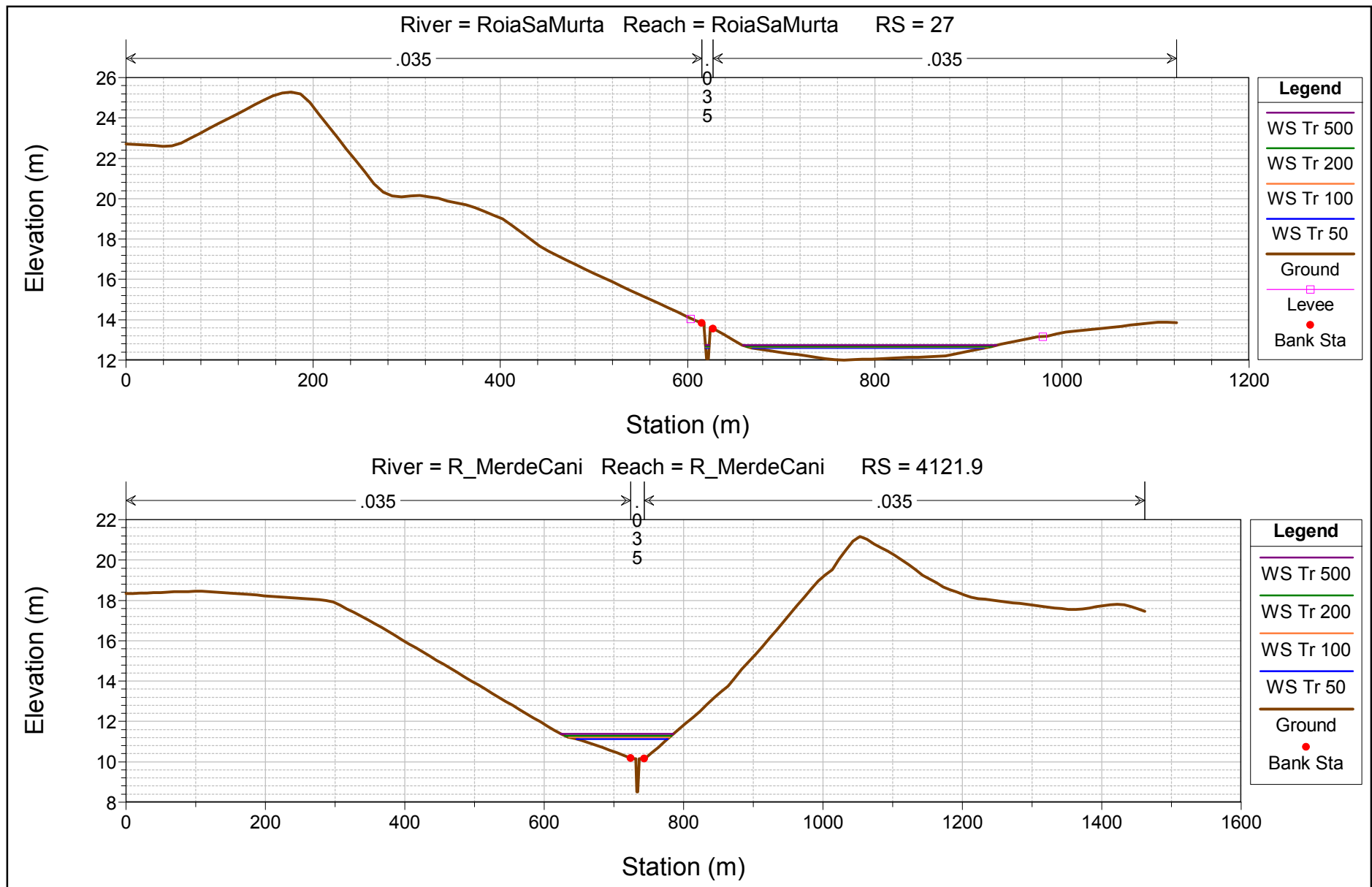


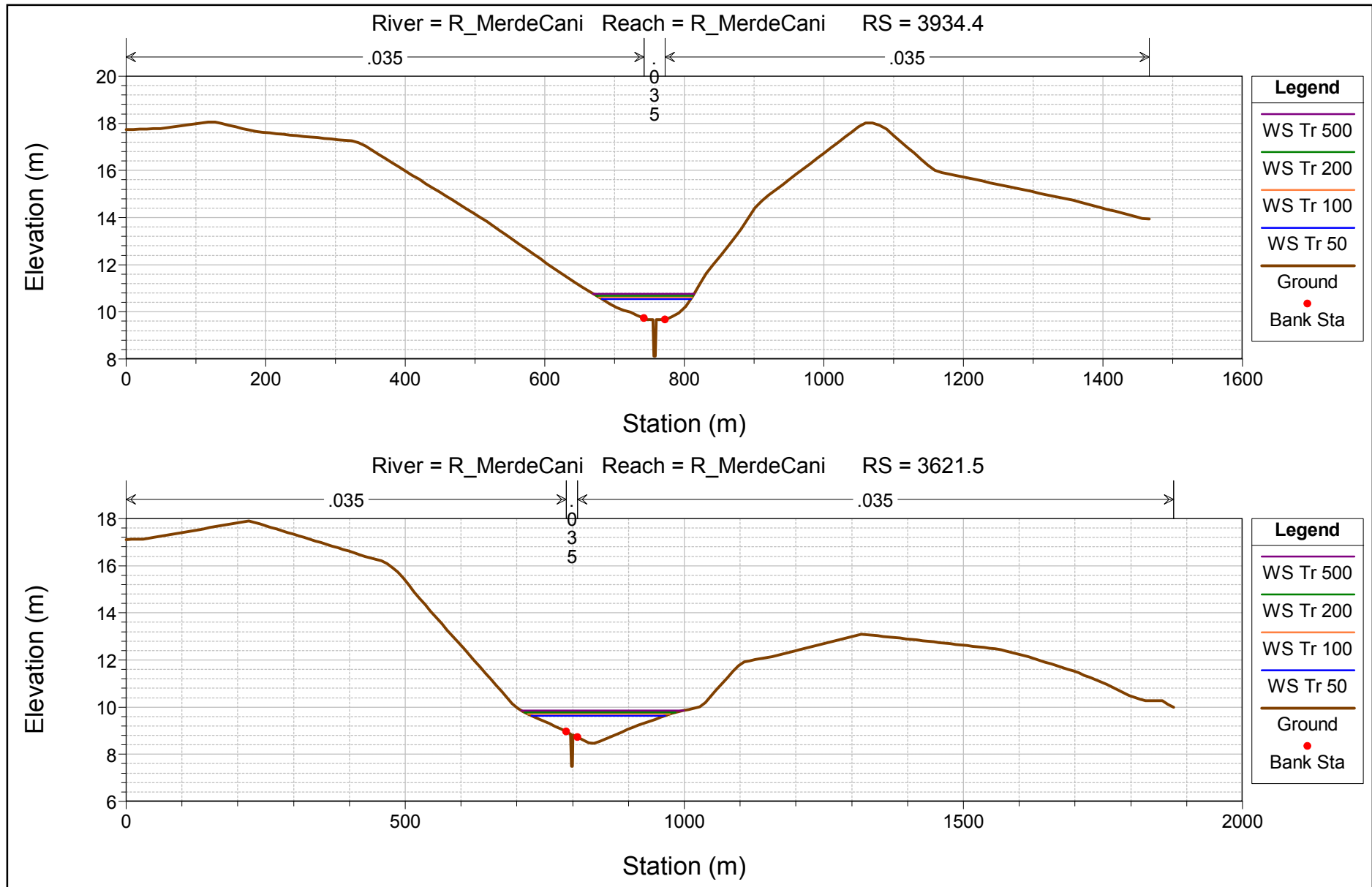


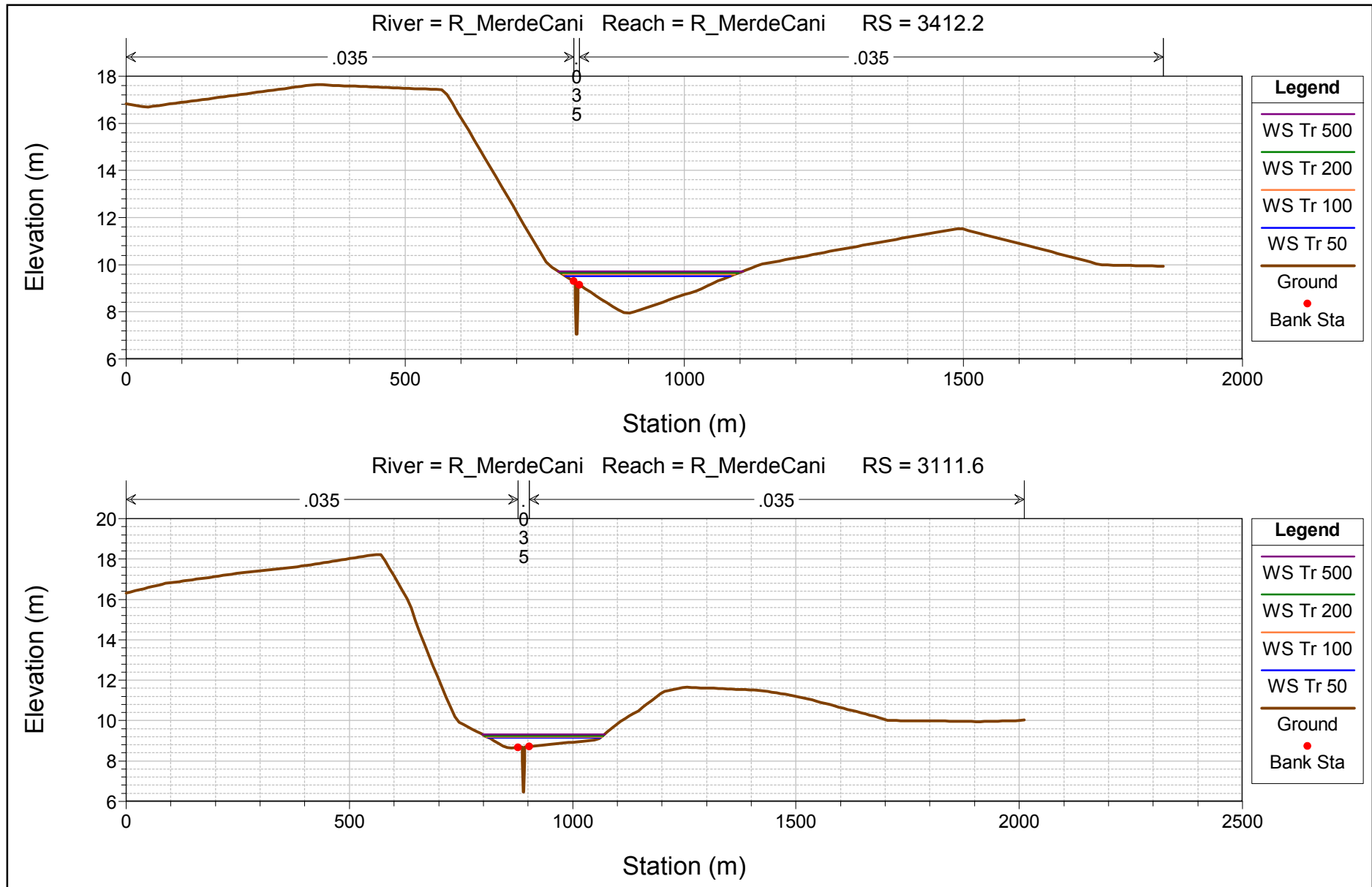




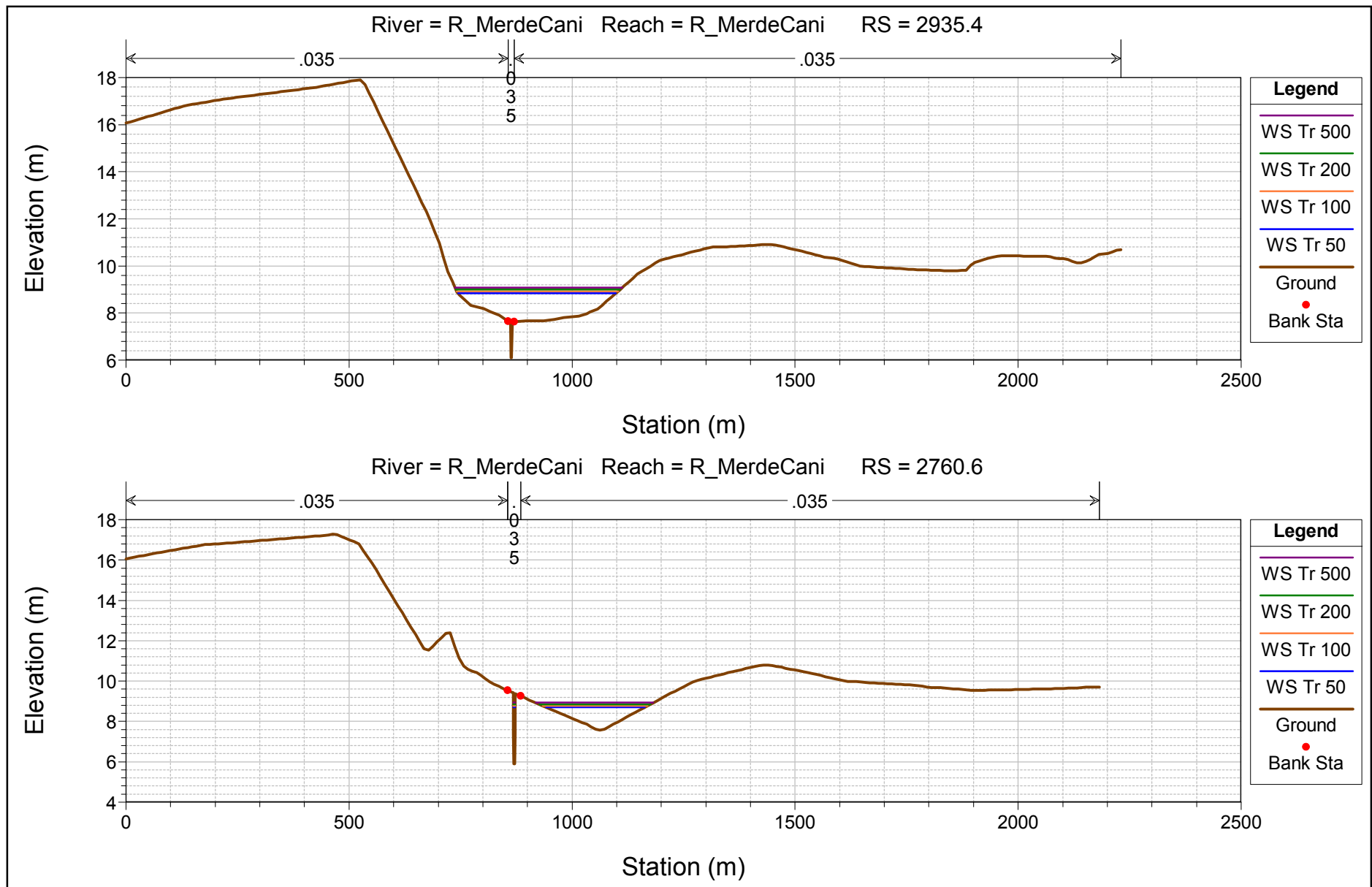


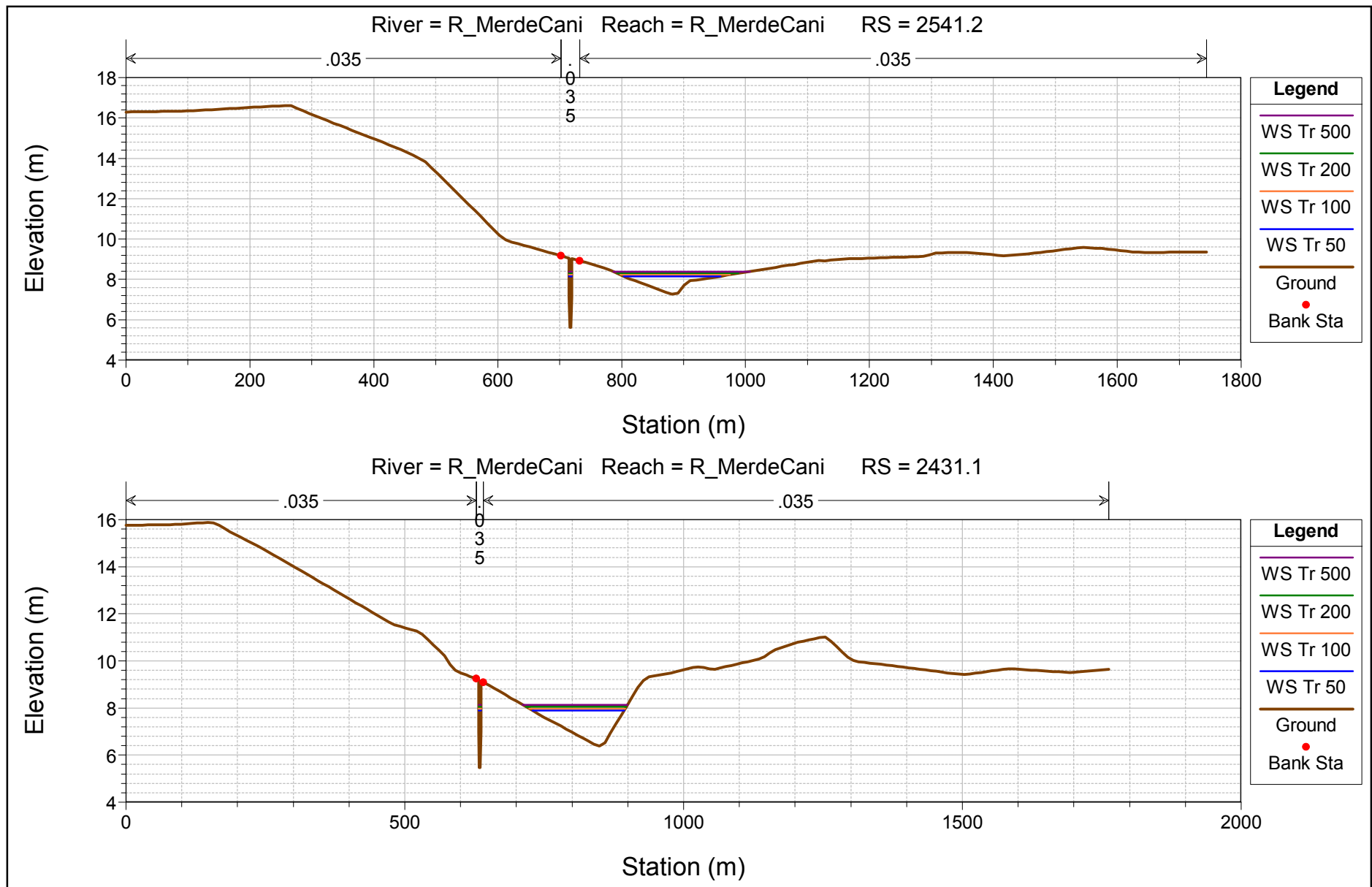


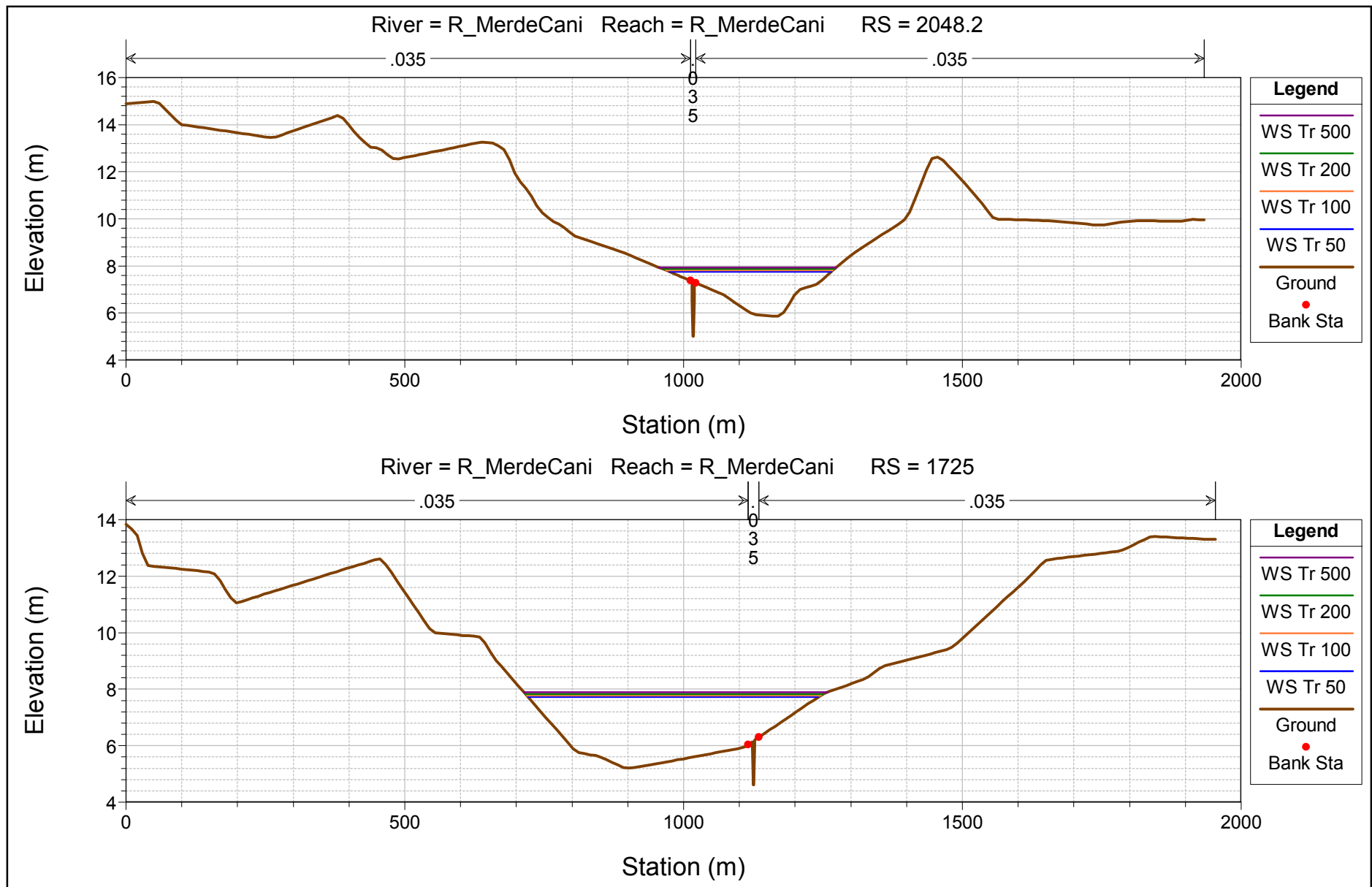


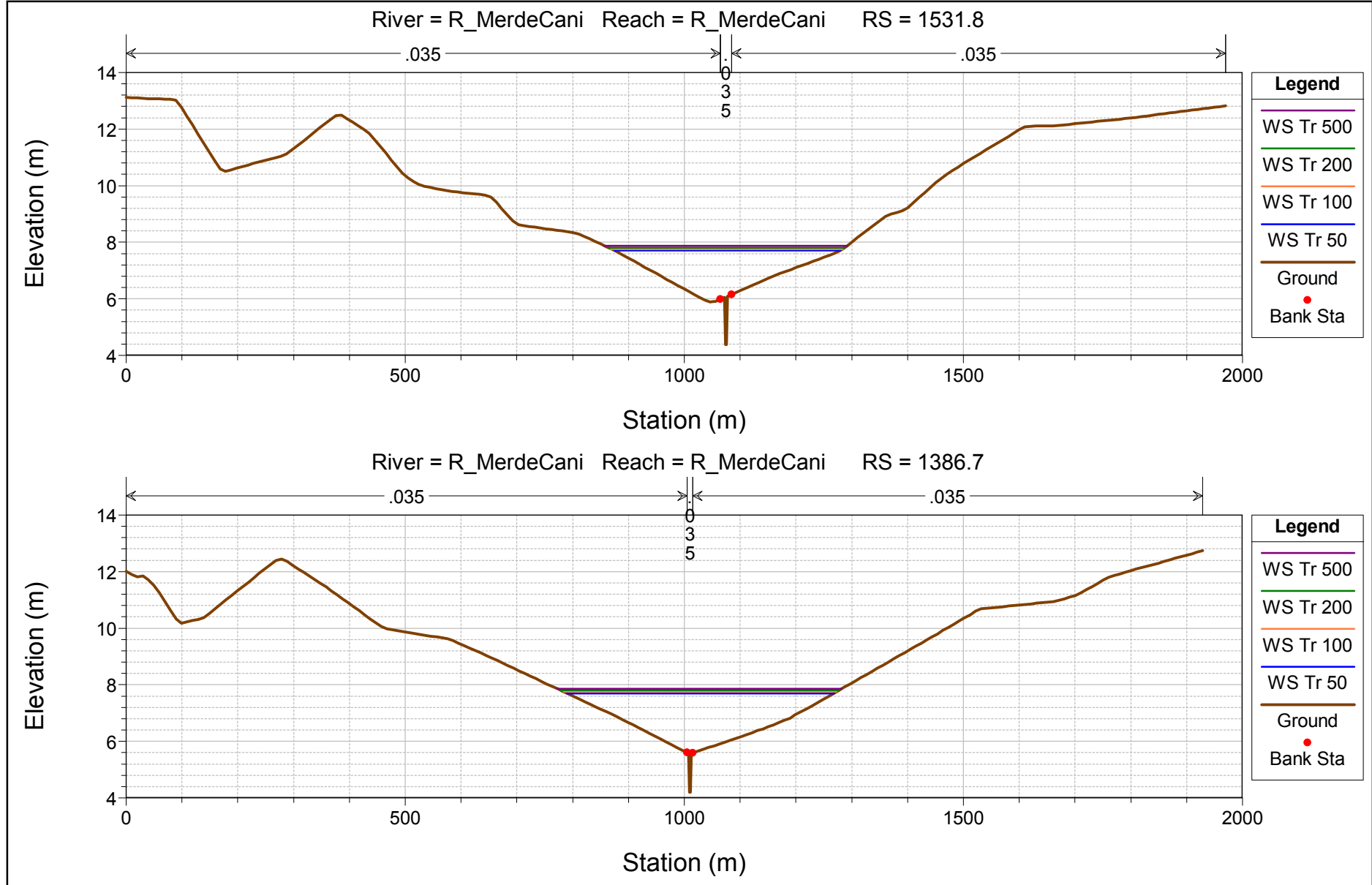


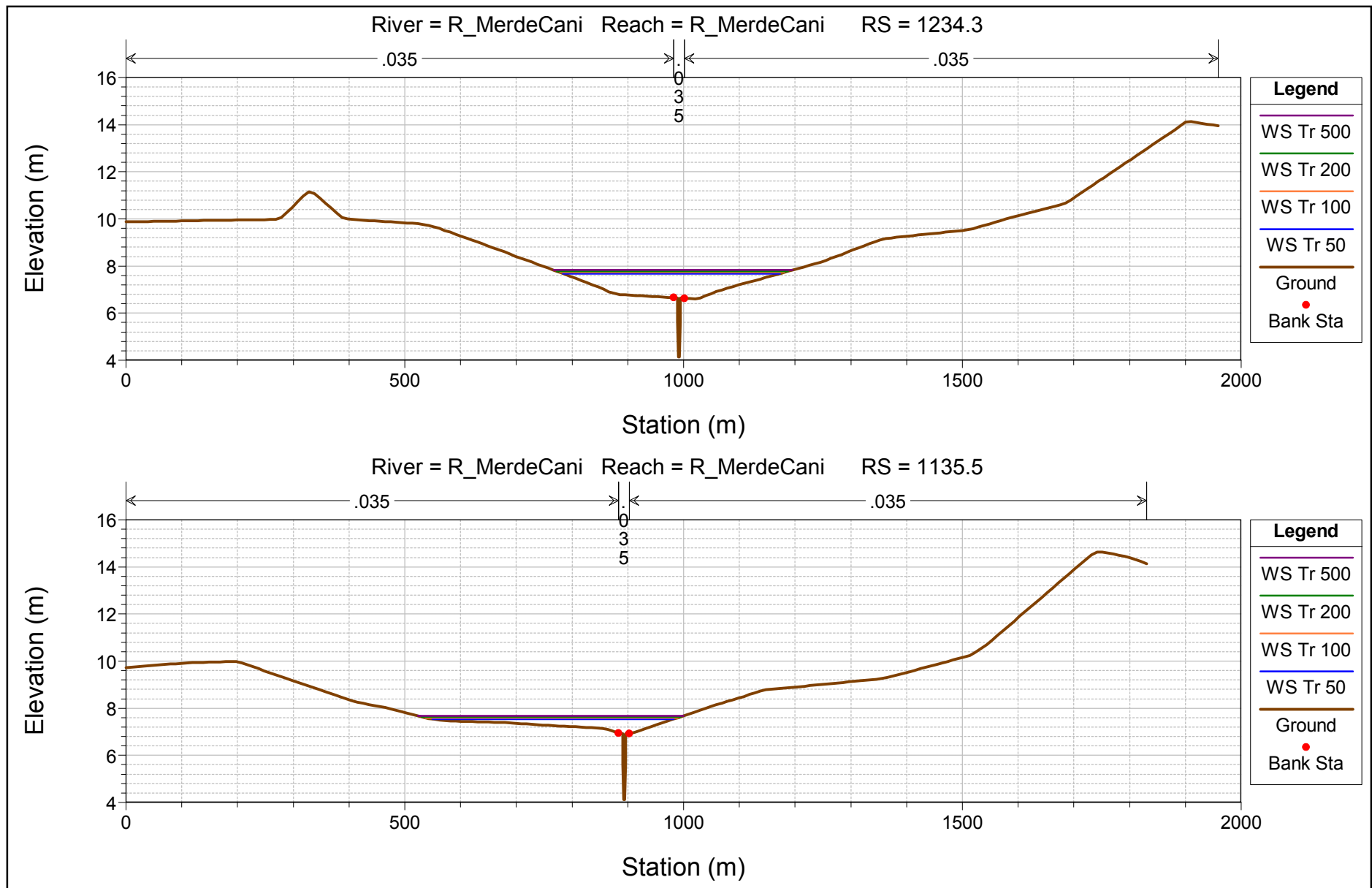


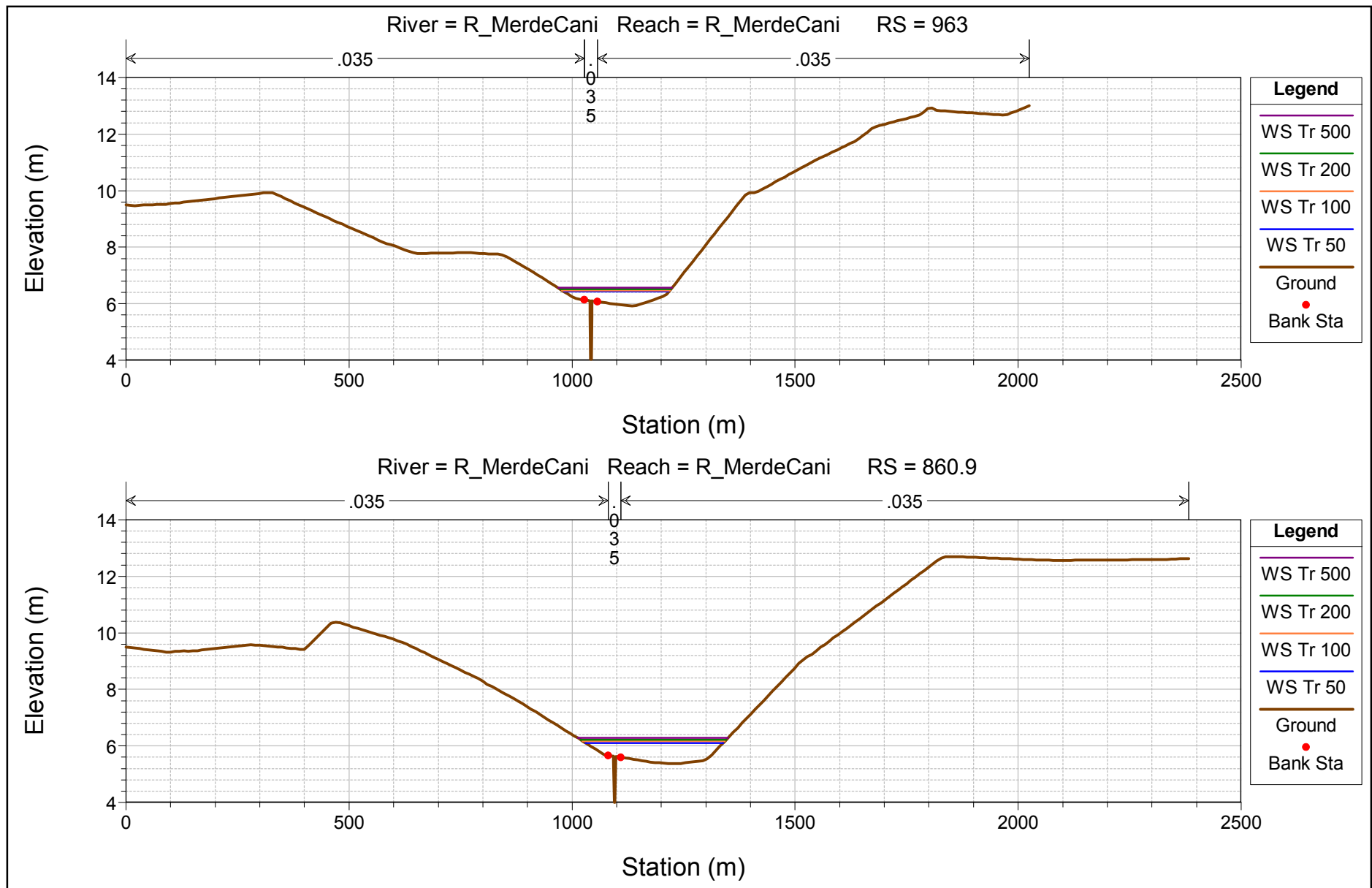


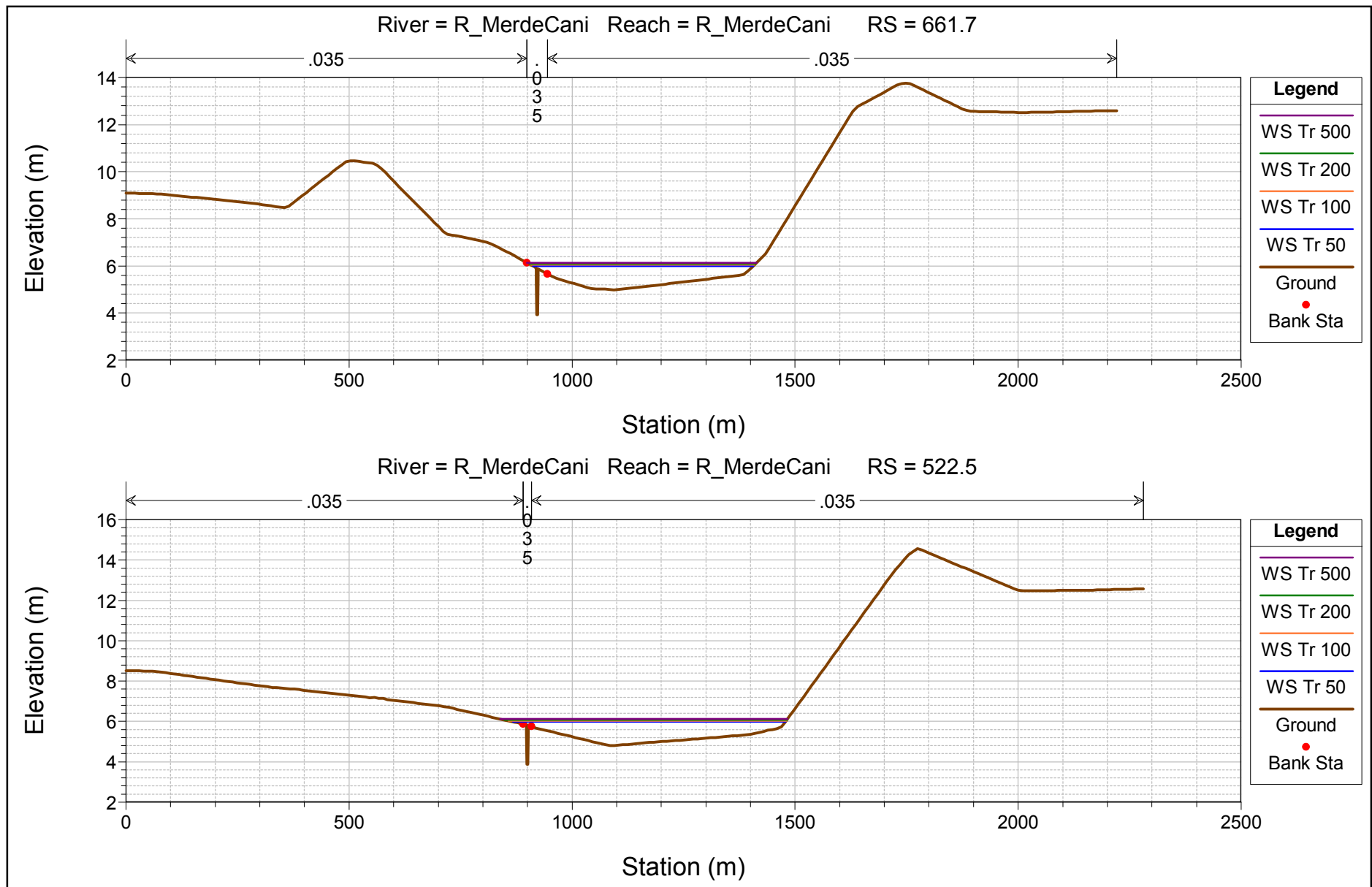


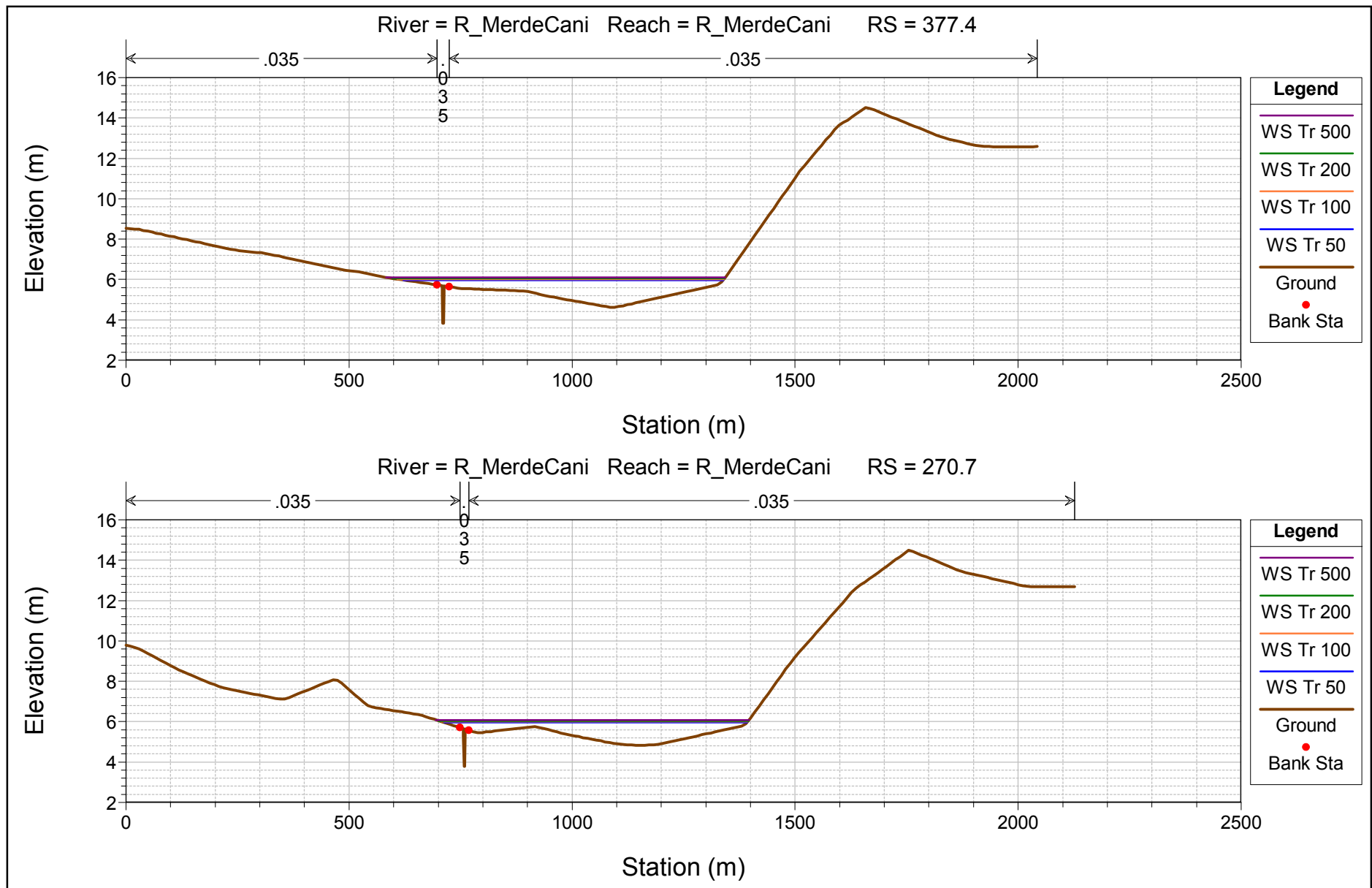




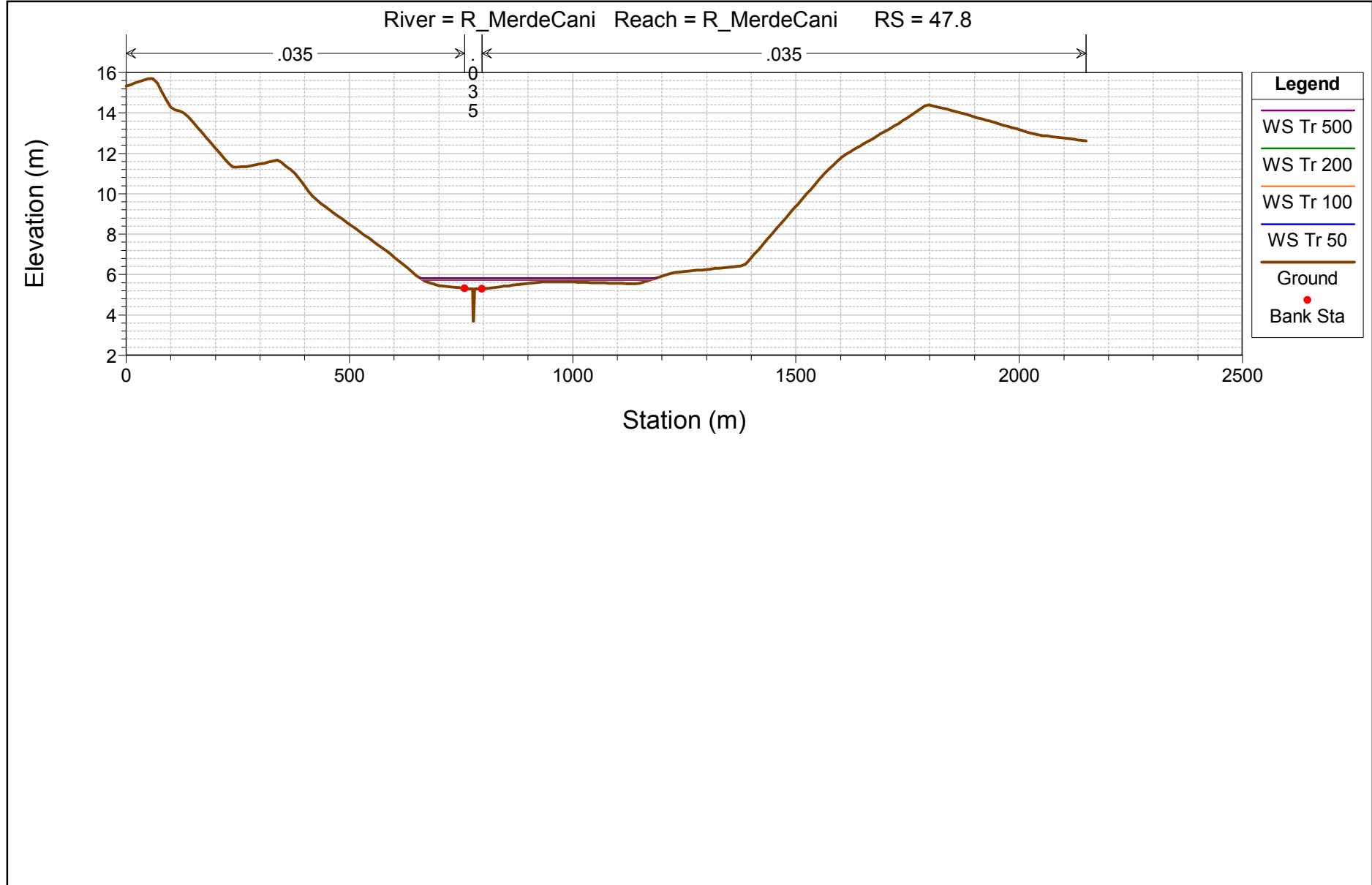




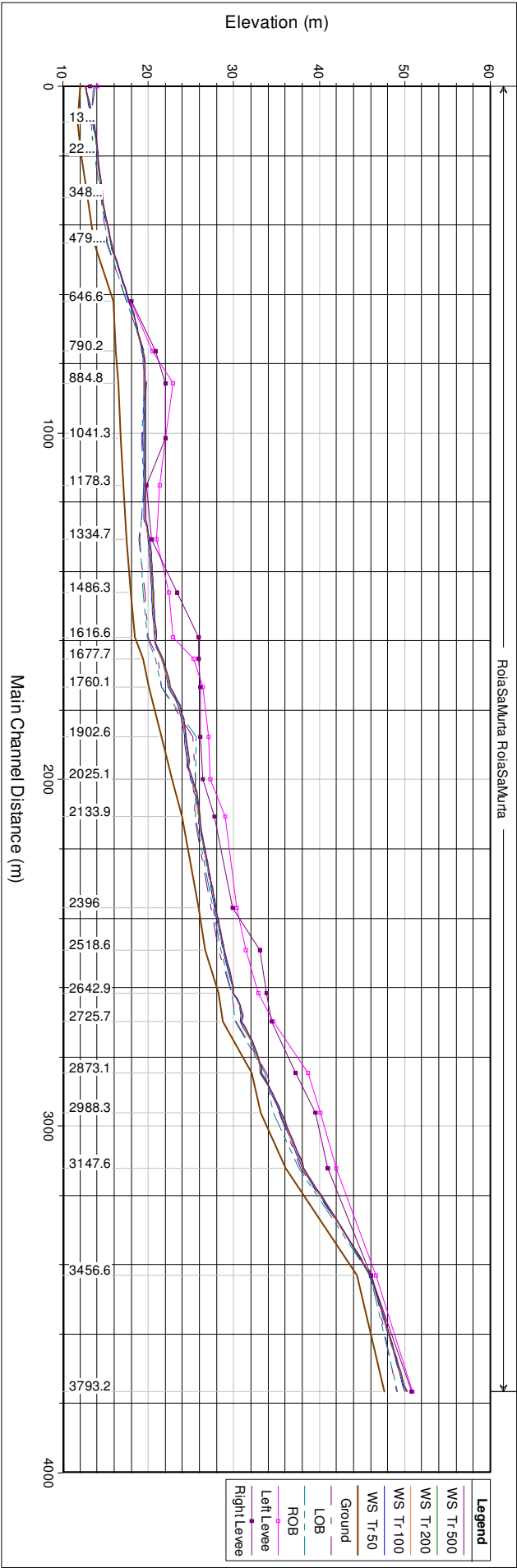


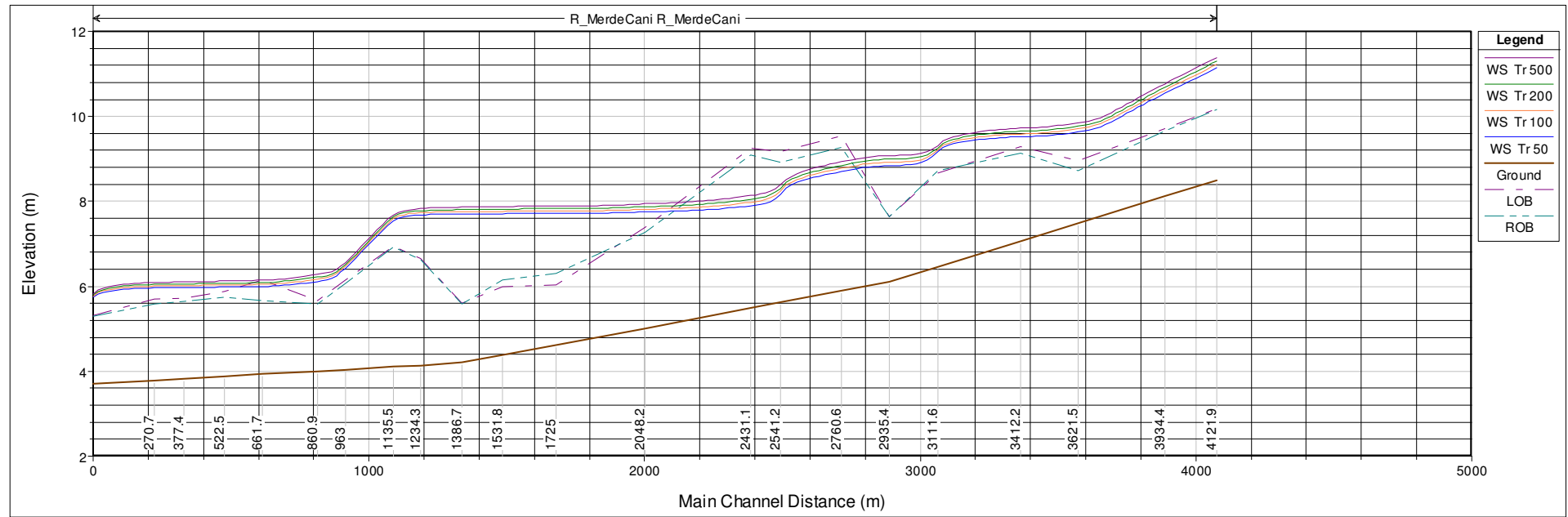


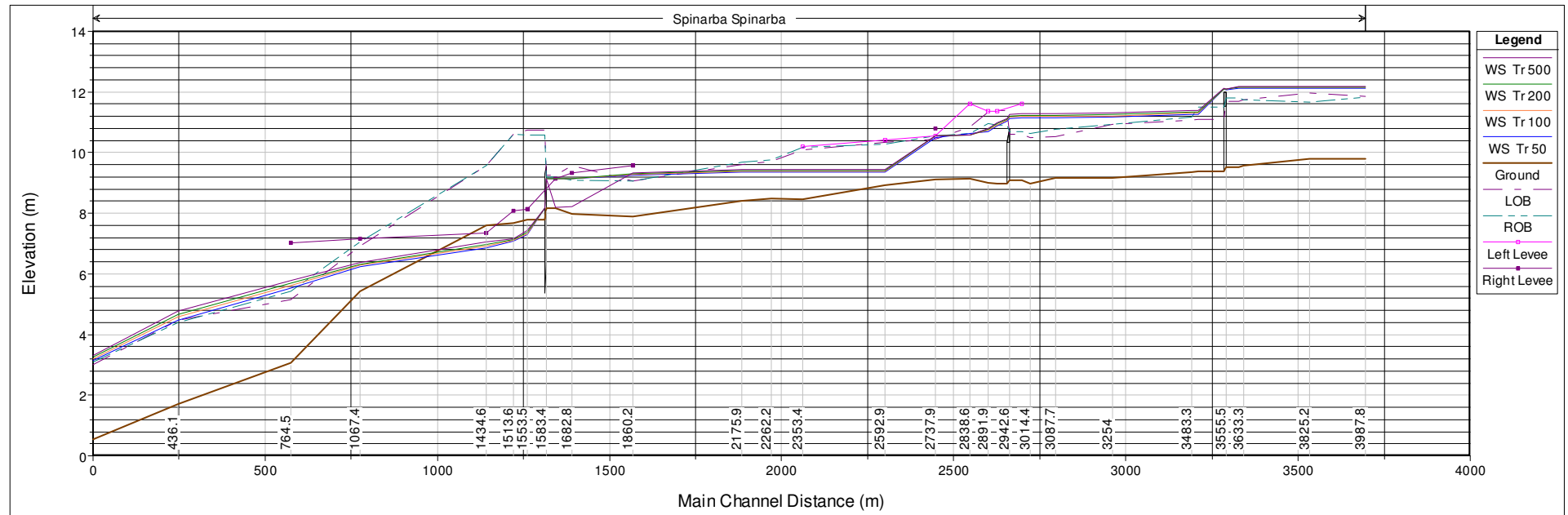




## PROFILI SISTEMA SPINARBA - MERDEGANI - ROIA SA MURTA







## TABELLE SISTEMA SPINARBA - MERDEGANI - ROIA SA MURTA

HEC-RAS Plan: Plan 06 River: Spinarba Reach: Spinarba

| Reach    | River Sta | Profile | Q Total<br>(m3/s) | Min Ch El<br>(m) | W.S. Elev<br>(m) | Crit W.S.<br>(m) | E.G. Elev<br>(m) | E.G. Slope<br>(m/m) | Vel Chnl<br>(m/s) | Flow Area<br>(m2) | Top Width<br>(m) | Froude # Chl |
|----------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| Spinarba | 3987.8    | Tr 50   | 60.58             | 9.79             | 12.13            | 6.82             | 12.13            | 0.000001            | 0.03              | 768.87            | 780.62           | 0.01         |
| Spinarba | 3987.8    | Tr 100  | 72.33             | 9.79             | 12.14            | 6.90             | 12.14            | 0.000002            | 0.03              | 781.06            | 780.88           | 0.01         |
| Spinarba | 3987.8    | Tr 200  | 84.22             | 9.79             | 12.16            | 6.99             | 12.16            | 0.000003            | 0.04              | 793.10            | 781.14           | 0.01         |
| Spinarba | 3987.8    | Tr 500  | 100.12            | 9.79             | 12.18            | 7.09             | 12.18            | 0.000004            | 0.05              | 808.53            | 781.47           | 0.01         |
| Spinarba | 3825.2    | Tr 50   | 60.58             | 9.79             | 12.13            |                  | 12.13            | 0.000001            | 0.03              | 829.51            | 757.39           | 0.01         |
| Spinarba | 3825.2    | Tr 100  | 72.33             | 9.79             | 12.14            |                  | 12.14            | 0.000001            | 0.03              | 841.29            | 757.61           | 0.01         |
| Spinarba | 3825.2    | Tr 200  | 84.22             | 9.79             | 12.16            |                  | 12.16            | 0.000002            | 0.04              | 852.92            | 757.83           | 0.01         |
| Spinarba | 3825.2    | Tr 500  | 100.12            | 9.79             | 12.18            |                  | 12.18            | 0.000003            | 0.05              | 867.80            | 758.10           | 0.01         |
| Spinarba | 3633.3    | Tr 50   | 60.58             | 9.59             | 12.13            |                  | 12.13            | 0.000014            | 0.11              | 515.87            | 768.81           | 0.03         |
| Spinarba | 3633.3    | Tr 100  | 72.33             | 9.59             | 12.14            |                  | 12.14            | 0.000018            | 0.13              | 527.57            | 768.97           | 0.04         |
| Spinarba | 3633.3    | Tr 200  | 84.22             | 9.59             | 12.16            |                  | 12.16            | 0.000023            | 0.15              | 539.09            | 769.12           | 0.04         |
| Spinarba | 3633.3    | Tr 500  | 100.12            | 9.59             | 12.18            |                  | 12.18            | 0.000030            | 0.17              | 553.76            | 769.32           | 0.05         |
| Spinarba | 3618.5    | Tr 50   | 60.58             | 9.52             | 12.13            | 11.50            | 12.13            | 0.000013            | 0.11              | 523.11            | 773.96           | 0.03         |
| Spinarba | 3618.5    | Tr 100  | 72.33             | 9.52             | 12.14            | 11.51            | 12.14            | 0.000018            | 0.13              | 534.83            | 774.13           | 0.03         |
| Spinarba | 3618.5    | Tr 200  | 84.22             | 9.52             | 12.16            | 11.53            | 12.16            | 0.000023            | 0.15              | 546.37            | 774.29           | 0.04         |
| Spinarba | 3618.5    | Tr 500  | 100.12            | 9.52             | 12.18            | 11.54            | 12.18            | 0.000029            | 0.17              | 561.06            | 774.50           | 0.04         |
| Spinarba | 3555.5    | Bridge  |                   |                  |                  |                  |                  |                     |                   |                   |                  |              |
| Spinarba | 3501.9    | Tr 50   | 60.58             | 9.38             | 11.27            |                  | 11.29            | 0.000803            | 0.63              | 102.90            | 265.09           | 0.21         |
| Spinarba | 3501.9    | Tr 100  | 72.33             | 9.38             | 11.31            |                  | 11.33            | 0.000816            | 0.65              | 114.13            | 266.13           | 0.21         |
| Spinarba | 3501.9    | Tr 200  | 84.22             | 9.38             | 11.35            |                  | 11.38            | 0.000826            | 0.67              | 124.88            | 276.95           | 0.22         |
| Spinarba | 3501.9    | Tr 500  | 100.12            | 9.38             | 11.40            |                  | 11.43            | 0.000826            | 0.69              | 143.01            | 454.67           | 0.22         |
| Spinarba | 3483.3    | Tr 50   | 60.58             | 9.37             | 11.26            |                  | 11.27            | 0.000645            | 0.60              | 114.53            | 297.38           | 0.19         |
| Spinarba | 3483.3    | Tr 100  | 72.33             | 9.37             | 11.30            |                  | 11.32            | 0.000653            | 0.62              | 127.18            | 297.80           | 0.20         |
| Spinarba | 3483.3    | Tr 200  | 84.22             | 9.37             | 11.34            |                  | 11.36            | 0.000660            | 0.64              | 139.10            | 298.33           | 0.20         |
| Spinarba | 3483.3    | Tr 500  | 100.12            | 9.37             | 11.39            |                  | 11.41            | 0.000665            | 0.67              | 156.38            | 439.44           | 0.20         |
| Spinarba | 3254      | Tr 50   | 60.58             | 9.17             | 11.17            |                  | 11.17            | 0.000294            | 0.39              | 176.43            | 535.81           | 0.13         |
| Spinarba | 3254      | Tr 100  | 72.33             | 9.17             | 11.21            |                  | 11.22            | 0.000285            | 0.40              | 200.55            | 543.55           | 0.13         |
| Spinarba | 3254      | Tr 200  | 84.22             | 9.17             | 11.25            |                  | 11.26            | 0.000277            | 0.40              | 223.52            | 547.90           | 0.13         |
| Spinarba | 3254      | Tr 500  | 100.12            | 9.17             | 11.31            |                  | 11.32            | 0.000267            | 0.41              | 252.44            | 550.09           | 0.13         |
| Spinarba | 3087.7    | Tr 50   | 60.58             | 9.17             | 11.15            |                  | 11.16            | 0.000050            | 0.19              | 311.95            | 593.25           | 0.06         |
| Spinarba | 3087.7    | Tr 100  | 72.33             | 9.17             | 11.20            |                  | 11.20            | 0.000056            | 0.21              | 338.01            | 602.20           | 0.06         |
| Spinarba | 3087.7    | Tr 200  | 84.22             | 9.17             | 11.24            |                  | 11.24            | 0.000061            | 0.22              | 363.04            | 609.32           | 0.06         |
| Spinarba | 3087.7    | Tr 500  | 100.12            | 9.17             | 11.29            |                  | 11.29            | 0.000067            | 0.24              | 395.00            | 620.33           | 0.07         |
| Spinarba | 3014.4    | Tr 50   | 60.58             | 8.98             | 11.15            |                  | 11.15            | 0.000044            | 0.20              | 308.19            | 541.03           | 0.05         |
| Spinarba | 3014.4    | Tr 100  | 72.33             | 8.98             | 11.19            |                  | 11.20            | 0.000052            | 0.22              | 331.80            | 554.36           | 0.06         |
| Spinarba | 3014.4    | Tr 200  | 84.22             | 8.98             | 11.24            |                  | 11.24            | 0.000058            | 0.23              | 354.65            | 563.32           | 0.06         |
| Spinarba | 3014.4    | Tr 500  | 100.12            | 8.98             | 11.29            |                  | 11.29            | 0.000065            | 0.26              | 384.42            | 596.45           | 0.07         |
| Spinarba | 2989.8    | Tr 50   | 60.58             | 9.08             | 11.15            | 10.55            | 11.15            | 0.000050            | 0.20              | 281.99            | 415.81           | 0.06         |
| Spinarba | 2989.8    | Tr 100  | 72.33             | 9.08             | 11.19            | 10.57            | 11.20            | 0.000059            | 0.22              | 299.85            | 421.02           | 0.06         |
| Spinarba | 2989.8    | Tr 200  | 84.22             | 9.08             | 11.23            | 10.58            | 11.24            | 0.000067            | 0.24              | 316.99            | 425.38           | 0.06         |
| Spinarba | 2989.8    | Tr 500  | 100.12            | 9.08             | 11.28            | 10.61            | 11.29            | 0.000077            | 0.26              | 338.97            | 436.74           | 0.07         |
| Spinarba | 2942.6    | Bridge  |                   |                  |                  |                  |                  |                     |                   |                   |                  |              |
| Spinarba | 2916.8    | Tr 50   | 60.58             | 8.98             | 10.88            | 10.81            | 10.95            | 0.003603            | 1.33              | 54.63             | 166.64           | 0.44         |
| Spinarba | 2916.8    | Tr 100  | 72.33             | 8.98             | 10.92            | 10.86            | 10.99            | 0.003794            | 1.37              | 60.41             | 171.74           | 0.46         |
| Spinarba | 2916.8    | Tr 200  | 84.22             | 8.98             | 10.95            | 10.86            | 11.03            | 0.003876            | 1.41              | 66.22             | 177.49           | 0.46         |
| Spinarba | 2916.8    | Tr 500  | 100.12            | 8.98             | 11.00            | 10.90            | 11.09            | 0.003709            | 1.41              | 75.50             | 191.45           | 0.46         |
| Spinarba | 2891.9    | Tr 50   | 60.58             | 9.01             | 10.69            | 10.69            | 10.82            | 0.007534            | 1.92              | 38.85             | 153.22           | 0.64         |
| Spinarba | 2891.9    | Tr 100  | 72.33             | 9.01             | 10.74            | 10.74            | 10.86            | 0.007055            | 1.89              | 47.22             | 179.28           | 0.62         |
| Spinarba | 2891.9    | Tr 200  | 84.22             | 9.01             | 10.77            | 10.77            | 10.90            | 0.007245            | 1.93              | 53.03             | 196.10           | 0.63         |
| Spinarba | 2891.9    | Tr 500  | 100.12            | 9.01             | 10.79            | 10.79            | 10.95            | 0.008630            | 2.12              | 56.86             | 204.81           | 0.69         |
| Spinarba | 2838.6    | Tr 50   | 60.58             | 9.14             | 10.65            | 9.64             | 10.65            | 0.000047            | 0.15              | 229.76            | 339.84           | 0.05         |
| Spinarba | 2838.6    | Tr 100  | 72.33             | 9.14             | 10.57            | 9.68             | 10.58            | 0.000088            | 0.20              | 205.67            | 311.63           | 0.07         |
| Spinarba | 2838.6    | Tr 200  | 84.22             | 9.14             | 10.58            | 9.71             | 10.59            | 0.000116            | 0.23              | 208.15            | 312.92           | 0.08         |
| Spinarba | 2838.6    | Tr 500  | 100.12            | 9.14             | 10.59            | 9.76             | 10.61            | 0.000157            | 0.27              | 211.99            | 314.91           | 0.09         |
| Spinarba | 2737.9    | Tr 50   | 60.58             | 9.11             | 10.49            | 10.49            | 10.62            | 0.008965            | 1.69              | 38.47             | 151.11           | 0.68         |
| Spinarba | 2737.9    | Tr 100  | 72.33             | 9.11             | 10.55            | 10.55            | 10.56            | 0.000651            | 0.48              | 163.43            | 602.39           | 0.19         |
| Spinarba | 2737.9    | Tr 200  | 84.22             | 9.11             | 10.55            | 10.55            | 10.56            | 0.000883            | 0.55              | 163.42            | 602.38           | 0.22         |
| Spinarba | 2737.9    | Tr 500  | 100.12            | 9.11             | 10.55            | 10.55            | 10.57            | 0.001249            | 0.66              | 163.40            | 602.38           | 0.26         |
| Spinarba | 2592.9    | Tr 50   | 60.58             | 8.92             | 9.35             | 5.18             | 9.35             | 0.000005            | 0.02              | 310.42            | 104.95           | 0.01         |
| Spinarba | 2592.9    | Tr 100  | 72.33             | 8.92             | 9.38             | 5.30             | 9.38             | 0.000007            | 0.03              | 313.90            | 105.37           | 0.02         |
| Spinarba | 2592.9    | Tr 200  | 84.22             | 8.92             | 9.41             | 5.44             | 9.42             | 0.000009            | 0.03              | 317.26            | 105.78           | 0.02         |
| Spinarba | 2592.9    | Tr 500  | 100.12            | 8.92             | 9.45             | 5.63             | 9.46             | 0.000012            | 0.04              | 321.51            | 106.29           | 0.02         |
| Spinarba | 2353.4    | Tr 50   | 60.58             | 8.46             | 9.35             | 4.68             | 9.35             | 0.000004            | 0.03              | 409.07            | 173.55           | 0.01         |
| Spinarba | 2353.4    | Tr 100  | 72.33             | 8.46             | 9.38             | 4.79             | 9.38             | 0.000006            | 0.04              | 414.79            | 173.82           | 0.02         |
| Spinarba | 2353.4    | Tr 200  | 84.22             | 8.46             | 9.41             | 4.89             | 9.41             | 0.000008            | 0.04              | 420.30            | 174.17           | 0.02         |
| Spinarba | 2353.4    | Tr 500  | 100.12            | 8.46             | 9.45             | 5.02             | 9.45             | 0.000010            | 0.05              | 427.25            | 174.81           | 0.02         |

HEC-RAS Plan: Plan 06 River: Spinarba Reach: Spinarba (Continued)

| Reach    | River Sta | Profile | Q Total<br>(m3/s) | Min Ch El<br>(m) | W.S. Elev<br>(m) | Crit W.S.<br>(m) | E.G. Elev<br>(m) | E.G. Slope<br>(m/m) | Vel Chnl<br>(m/s) | Flow Area<br>(m2) | Top Width<br>(m) | Froude # Chl |
|----------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| Spinarba | 2262.2    | Tr 50   | 60.58             | 8.50             | 9.35             |                  | 9.35             | 0.000001            | 0.02              | 450.22            | 96.54            | 0.01         |
| Spinarba | 2262.2    | Tr 100  | 72.33             | 8.50             | 9.38             |                  | 9.38             | 0.000002            | 0.02              | 453.42            | 97.52            | 0.01         |
| Spinarba | 2262.2    | Tr 200  | 84.22             | 8.50             | 9.41             |                  | 9.41             | 0.000003            | 0.03              | 456.51            | 98.46            | 0.01         |
| Spinarba | 2262.2    | Tr 500  | 100.12            | 8.50             | 9.45             |                  | 9.45             | 0.000004            | 0.03              | 460.45            | 99.65            | 0.01         |
| Spinarba | 2175.9    | Tr 50   | 60.58             | 8.41             | 9.35             |                  | 9.35             | 0.000001            | 0.01              | 645.08            | 125.45           | 0.01         |
| Spinarba | 2175.9    | Tr 100  | 72.33             | 8.41             | 9.38             |                  | 9.38             | 0.000001            | 0.01              | 649.24            | 126.34           | 0.01         |
| Spinarba | 2175.9    | Tr 200  | 84.22             | 8.41             | 9.41             |                  | 9.41             | 0.000001            | 0.02              | 653.26            | 127.51           | 0.01         |
| Spinarba | 2175.9    | Tr 500  | 100.12            | 8.41             | 9.45             |                  | 9.45             | 0.000002            | 0.02              | 658.45            | 133.67           | 0.01         |
| Spinarba | 1860.2    | Tr 50   | 60.58             | 7.90             | 9.25             | 9.25             | 9.34             | 0.008324            | 1.78              | 48.66             | 257.51           | 0.67         |
| Spinarba | 1860.2    | Tr 100  | 72.33             | 7.90             | 9.28             | 9.28             | 9.37             | 0.008403            | 1.82              | 54.67             | 259.79           | 0.68         |
| Spinarba | 1860.2    | Tr 200  | 84.22             | 7.90             | 9.30             | 9.30             | 9.40             | 0.008571            | 1.88              | 60.12             | 264.91           | 0.69         |
| Spinarba | 1860.2    | Tr 500  | 100.12            | 7.90             | 9.33             | 9.33             | 9.44             | 0.008482            | 1.92              | 68.07             | 272.86           | 0.69         |
| Spinarba | 1682.8    | Tr 50   | 60.58             | 7.99             | 9.13             | 7.29             | 9.13             | 0.000005            | 0.04              | 558.33            | 498.33           | 0.02         |
| Spinarba | 1682.8    | Tr 100  | 72.33             | 7.99             | 9.13             | 7.37             | 9.13             | 0.000007            | 0.04              | 558.26            | 498.02           | 0.02         |
| Spinarba | 1682.8    | Tr 200  | 84.22             | 7.99             | 9.13             | 7.43             | 9.13             | 0.000010            | 0.05              | 558.17            | 497.65           | 0.02         |
| Spinarba | 1682.8    | Tr 500  | 100.12            | 7.99             | 8.22             | 7.52             | 8.23             | 0.000229            | 0.10              | 200.30            | 349.12           | 0.08         |
| Spinarba | 1634.7    | Tr 50   | 60.58             | 8.17             | 9.13             | 7.88             | 9.13             | 0.000005            | 0.03              | 692.08            | 741.46           | 0.01         |
| Spinarba | 1634.7    | Tr 100  | 72.33             | 8.17             | 9.13             | 7.90             | 9.13             | 0.000007            | 0.04              | 691.96            | 741.15           | 0.02         |
| Spinarba | 1634.7    | Tr 200  | 84.22             | 8.17             | 9.13             | 7.93             | 9.13             | 0.000009            | 0.04              | 691.81            | 740.78           | 0.02         |
| Spinarba | 1634.7    | Tr 500  | 100.12            | 8.17             | 8.19             | 7.96             | 8.21             | 0.000868            | 0.03              | 135.43            | 336.54           | 0.11         |
| Spinarba | 1583.4    |         | Culvert           |                  |                  |                  |                  |                     |                   |                   |                  |              |
| Spinarba | 1553.5    | Tr 50   | 60.58             | 7.79             | 7.29             | 7.19             | 7.34             | 0.002100            |                   | 63.24             | 230.38           | 0.00         |
| Spinarba | 1553.5    | Tr 100  | 72.33             | 7.79             | 7.34             | 7.22             | 7.39             | 0.002084            |                   | 72.99             | 239.20           | 0.00         |
| Spinarba | 1553.5    | Tr 200  | 84.22             | 7.79             | 7.37             | 7.25             | 7.43             | 0.002052            |                   | 82.43             | 244.61           | 0.00         |
| Spinarba | 1553.5    | Tr 500  | 100.12            | 7.79             | 7.42             | 7.29             | 7.48             | 0.002018            |                   | 94.21             | 251.22           | 0.00         |
| Spinarba | 1513.6    | Tr 50   | 60.58             | 7.67             | 7.08             | 7.08             | 7.20             | 0.006742            |                   | 39.70             | 169.77           | 0.00         |
| Spinarba | 1513.6    | Tr 100  | 72.33             | 7.67             | 7.11             | 7.11             | 7.24             | 0.006916            |                   | 45.51             | 177.15           | 0.00         |
| Spinarba | 1513.6    | Tr 200  | 84.22             | 7.67             | 7.14             | 7.14             | 7.28             | 0.007132            |                   | 50.51             | 180.51           | 0.00         |
| Spinarba | 1513.6    | Tr 500  | 100.12            | 7.67             | 7.18             | 7.18             | 7.33             | 0.007239            |                   | 57.13             | 183.70           | 0.00         |
| Spinarba | 1434.6    | Tr 50   | 60.58             | 7.60             | 6.85             | 6.40             | 6.87             | 0.000456            |                   | 95.92             | 196.91           | 0.00         |
| Spinarba | 1434.6    | Tr 100  | 72.33             | 7.60             | 6.92             | 6.44             | 6.94             | 0.000462            |                   | 109.55            | 210.78           | 0.00         |
| Spinarba | 1434.6    | Tr 200  | 84.22             | 7.60             | 6.98             | 6.48             | 7.00             | 0.000466            |                   | 123.58            | 246.60           | 0.00         |
| Spinarba | 1434.6    | Tr 500  | 100.12            | 7.60             | 7.06             | 6.53             | 7.08             | 0.000464            |                   | 145.08            | 306.18           | 0.00         |
| Spinarba | 1067.4    | Tr 50   | 60.58             | 5.42             | 6.24             | 6.24             | 6.41             | 0.009420            | 1.48              | 32.96             | 96.90            | 0.66         |
| Spinarba | 1067.4    | Tr 100  | 72.33             | 5.42             | 6.29             | 6.29             | 6.48             | 0.008834            | 1.48              | 37.47             | 98.39            | 0.64         |
| Spinarba | 1067.4    | Tr 200  | 84.22             | 5.42             | 6.33             | 6.33             | 6.54             | 0.008621            | 1.50              | 41.48             | 99.63            | 0.64         |
| Spinarba | 1067.4    | Tr 500  | 100.12            | 5.42             | 6.38             | 6.38             | 6.62             | 0.008142            | 1.51              | 46.99             | 100.87           | 0.62         |
| Spinarba | 764.5     | Tr 50   | 60.58             | 3.07             | 5.54             | 5.26             | 5.57             | 0.001073            | 0.95              | 80.55             | 183.44           | 0.26         |
| Spinarba | 764.5     | Tr 100  | 72.33             | 3.07             | 5.62             | 5.33             | 5.65             | 0.000954            | 0.93              | 95.69             | 195.07           | 0.25         |
| Spinarba | 764.5     | Tr 200  | 84.22             | 3.07             | 5.69             | 5.37             | 5.72             | 0.000862            | 0.91              | 111.37            | 205.78           | 0.24         |
| Spinarba | 764.5     | Tr 500  | 100.12            | 3.07             | 5.78             | 5.40             | 5.81             | 0.000787            | 0.90              | 129.68            | 216.30           | 0.23         |
| Spinarba | 436.1     | Tr 50   | 60.58             | 1.72             | 4.49             | 4.07             | 4.81             | 0.006934            | 2.61              | 25.61             | 37.06            | 0.67         |
| Spinarba | 436.1     | Tr 100  | 72.33             | 1.72             | 4.58             | 4.58             | 4.94             | 0.007365            | 2.79              | 28.98             | 38.43            | 0.70         |
| Spinarba | 436.1     | Tr 200  | 84.22             | 1.72             | 4.65             | 4.65             | 5.05             | 0.007838            | 2.97              | 31.90             | 39.57            | 0.73         |
| Spinarba | 436.1     | Tr 500  | 100.12            | 1.72             | 4.78             | 4.78             | 5.19             | 0.007426            | 3.03              | 37.17             | 43.99            | 0.72         |
| Spinarba | 189       | Tr 50   | 60.58             | 0.54             | 3.16             | 3.16             | 3.32             | 0.005003            | 2.08              | 39.01             | 101.57           | 0.56         |
| Spinarba | 189       | Tr 100  | 72.33             | 0.54             | 3.21             | 3.18             | 3.38             | 0.005001            | 2.13              | 44.57             | 102.73           | 0.56         |
| Spinarba | 189       | Tr 200  | 84.22             | 0.54             | 3.26             | 3.23             | 3.43             | 0.005001            | 2.18              | 49.71             | 103.79           | 0.57         |
| Spinarba | 189       | Tr 500  | 100.12            | 0.54             | 3.32             | 3.28             | 3.50             | 0.005002            | 2.24              | 56.09             | 107.65           | 0.57         |



HEC-RAS Plan: AreaSud Locations: User Defined

| River       | Reach       | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------------|-------------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|             |             |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| RoiaSaMurta | RoiaSaMurta | 3793.2    | Tr 50   | 100.25  | 47.58     | 50.03     | 50.03     | 50.31     | 0.007040   | 3.06     | 52.08     | 88.79     | 0.78         |
| RoiaSaMurta | RoiaSaMurta | 3793.2    | Tr 100  | 118.61  | 47.58     | 50.11     | 50.11     | 50.42     | 0.007394   | 3.24     | 59.55     | 99.29     | 0.80         |
| RoiaSaMurta | RoiaSaMurta | 3793.2    | Tr 200  | 137.02  | 47.58     | 50.20     | 50.20     | 50.50     | 0.007245   | 3.32     | 68.68     | 111.32    | 0.80         |
| RoiaSaMurta | RoiaSaMurta | 3793.2    | Tr 500  | 161.38  | 47.58     | 50.30     | 50.30     | 50.60     | 0.007081   | 3.41     | 80.48     | 125.54    | 0.80         |
| RoiaSaMurta | RoiaSaMurta | 3456.6    | Tr 50   | 100.25  | 44.41     | 45.89     | 45.89     | 46.06     | 0.011900   | 2.80     | 59.61     | 158.47    | 0.91         |
| RoiaSaMurta | RoiaSaMurta | 3456.6    | Tr 100  | 118.61  | 44.41     | 45.95     | 45.95     | 46.10     | 0.012294   | 2.20     | 68.52     | 170.63    | 0.88         |
| RoiaSaMurta | RoiaSaMurta | 3456.6    | Tr 200  | 137.02  | 44.41     | 45.97     | 45.97     | 46.15     | 0.014402   | 2.13     | 72.30     | 175.41    | 0.94         |
| RoiaSaMurta | RoiaSaMurta | 3456.6    | Tr 500  | 161.38  | 44.41     | 46.00     | 46.00     | 46.22     | 0.015962   | 2.08     | 78.83     | 183.49    | 0.97         |
| RoiaSaMurta | RoiaSaMurta | 3147.6    | Tr 50   | 100.25  | 36.11     | 37.96     | 38.14     | 38.52     | 0.025666   | 4.10     | 32.18     | 63.36     | 1.35         |
| RoiaSaMurta | RoiaSaMurta | 3147.6    | Tr 100  | 118.61  | 36.11     | 38.02     | 38.22     | 38.63     | 0.025541   | 4.28     | 36.58     | 68.44     | 1.36         |
| RoiaSaMurta | RoiaSaMurta | 3147.6    | Tr 200  | 137.02  | 36.11     | 38.09     | 38.29     | 38.74     | 0.025430   | 4.44     | 40.89     | 73.06     | 1.37         |
| RoiaSaMurta | RoiaSaMurta | 3147.6    | Tr 500  | 161.38  | 36.11     | 38.16     | 38.39     | 38.86     | 0.025300   | 4.63     | 46.45     | 78.50     | 1.38         |
| RoiaSaMurta | RoiaSaMurta | 2988.3    | Tr 50   | 100.25  | 33.12     | 35.38     | 35.45     | 35.77     | 0.016869   | 3.17     | 38.19     | 68.19     | 1.10         |
| RoiaSaMurta | RoiaSaMurta | 2988.3    | Tr 100  | 118.61  | 33.12     | 35.46     | 35.54     | 35.88     | 0.016854   | 3.34     | 43.27     | 73.59     | 1.11         |
| RoiaSaMurta | RoiaSaMurta | 2988.3    | Tr 200  | 137.02  | 33.12     | 35.52     | 35.62     | 35.98     | 0.016823   | 3.49     | 48.28     | 78.70     | 1.12         |
| RoiaSaMurta | RoiaSaMurta | 2988.3    | Tr 500  | 161.38  | 33.12     | 35.60     | 35.72     | 36.10     | 0.016807   | 3.68     | 54.73     | 84.86     | 1.14         |
| RoiaSaMurta | RoiaSaMurta | 2873.1    | Tr 50   | 100.25  | 32.10     | 33.06     | 33.15     | 33.42     | 0.026419   | 3.31     | 37.55     | 86.27     | 1.29         |
| RoiaSaMurta | RoiaSaMurta | 2873.1    | Tr 100  | 118.61  | 32.10     | 33.11     | 33.22     | 33.51     | 0.026129   | 3.40     | 42.72     | 91.63     | 1.29         |
| RoiaSaMurta | RoiaSaMurta | 2873.1    | Tr 200  | 137.02  | 32.10     | 33.17     | 33.28     | 33.59     | 0.025824   | 3.47     | 47.75     | 96.57     | 1.29         |
| RoiaSaMurta | RoiaSaMurta | 2873.1    | Tr 500  | 161.38  | 32.10     | 33.24     | 33.35     | 33.68     | 0.024993   | 3.53     | 54.59     | 102.89    | 1.28         |
| RoiaSaMurta | RoiaSaMurta | 2725.7    | Tr 50   | 100.25  | 28.68     | 30.72     | 30.91     | 31.32     | 0.021874   | 3.69     | 32.66     | 65.38     | 1.28         |
| RoiaSaMurta | RoiaSaMurta | 2725.7    | Tr 100  | 118.61  | 28.68     | 30.80     | 31.00     | 31.42     | 0.021132   | 3.84     | 37.78     | 70.48     | 1.28         |
| RoiaSaMurta | RoiaSaMurta | 2725.7    | Tr 200  | 137.02  | 28.68     | 30.87     | 31.07     | 31.52     | 0.020507   | 3.97     | 42.81     | 75.15     | 1.28         |
| RoiaSaMurta | RoiaSaMurta | 2725.7    | Tr 500  | 161.38  | 28.68     | 30.95     | 31.17     | 31.64     | 0.019731   | 4.11     | 49.44     | 81.13     | 1.27         |
| RoiaSaMurta | RoiaSaMurta | 2642.9    | Tr 50   | 100.25  | 28.22     | 29.89     | 30.00     | 30.30     | 0.040797   | 4.21     | 47.61     | 270.03    | 1.64         |
| RoiaSaMurta | RoiaSaMurta | 2642.9    | Tr 100  | 118.61  | 28.22     | 29.91     | 30.03     | 30.35     | 0.043754   | 4.44     | 52.45     | 272.55    | 1.71         |
| RoiaSaMurta | RoiaSaMurta | 2642.9    | Tr 200  | 137.02  | 28.22     | 29.93     | 30.06     | 30.40     | 0.045707   | 4.61     | 57.23     | 275.02    | 1.75         |
| RoiaSaMurta | RoiaSaMurta | 2642.9    | Tr 500  | 161.38  | 28.22     | 29.95     | 30.09     | 30.44     | 0.047078   | 4.78     | 63.52     | 278.23    | 1.79         |
| RoiaSaMurta | RoiaSaMurta | 2518.6    | Tr 50   | 100.25  | 26.68     | 28.77     | 28.74     | 28.91     | 0.008145   | 2.05     | 67.94     | 178.47    | 0.76         |
| RoiaSaMurta | RoiaSaMurta | 2518.6    | Tr 100  | 118.61  | 26.68     | 28.82     | 28.78     | 28.97     | 0.008017   | 2.12     | 77.21     | 186.34    | 0.77         |
| RoiaSaMurta | RoiaSaMurta | 2518.6    | Tr 200  | 137.02  | 26.68     | 28.87     | 28.82     | 29.02     | 0.007929   | 2.20     | 86.12     | 193.92    | 0.77         |
| RoiaSaMurta | RoiaSaMurta | 2518.6    | Tr 500  | 161.38  | 26.68     | 28.93     | 28.87     | 29.09     | 0.007822   | 2.28     | 97.57     | 203.46    | 0.77         |
| RoiaSaMurta | RoiaSaMurta | 2396      | Tr 50   | 100.25  | 25.88     | 27.75     | 27.62     | 27.89     | 0.006873   | 1.97     | 62.46     | 122.24    | 0.69         |
| RoiaSaMurta | RoiaSaMurta | 2396      | Tr 100  | 118.61  | 25.88     | 27.82     | 27.68     | 27.97     | 0.006942   | 2.09     | 70.81     | 132.06    | 0.71         |
| RoiaSaMurta | RoiaSaMurta | 2396      | Tr 200  | 137.02  | 25.88     | 27.87     | 27.74     | 28.04     | 0.007064   | 2.19     | 78.70     | 140.84    | 0.72         |
| RoiaSaMurta | RoiaSaMurta | 2396      | Tr 500  | 161.38  | 25.88     | 27.94     | 27.82     | 28.13     | 0.007189   | 2.32     | 88.79     | 151.13    | 0.73         |
| RoiaSaMurta | RoiaSaMurta | 2133.9    | Tr 50   | 100.25  | 23.94     | 25.85     | 25.69     | 25.94     | 0.003954   | 1.74     | 83.39     | 182.13    | 0.54         |
| RoiaSaMurta | RoiaSaMurta | 2133.9    | Tr 100  | 118.61  | 23.94     | 25.92     | 25.74     | 26.01     | 0.003785   | 1.77     | 96.50     | 196.93    | 0.54         |
| RoiaSaMurta | RoiaSaMurta | 2133.9    | Tr 200  | 137.02  | 23.94     | 25.98     | 25.79     | 26.08     | 0.003743   | 1.82     | 108.33    | 209.32    | 0.54         |
| RoiaSaMurta | RoiaSaMurta | 2133.9    | Tr 500  | 161.38  | 23.94     | 26.05     | 25.85     | 26.15     | 0.003633   | 1.87     | 124.34    | 224.47    | 0.54         |
| RoiaSaMurta | RoiaSaMurta | 2025.1    | Tr 50   | 100.25  | 22.81     | 24.96     | 24.96     | 25.26     | 0.009629   | 3.20     | 45.36     | 74.29     | 0.80         |
| RoiaSaMurta | RoiaSaMurta | 2025.1    | Tr 100  | 118.61  | 22.81     | 25.07     | 25.07     | 25.36     | 0.008857   | 3.15     | 55.42     | 102.79    | 0.76         |
| RoiaSaMurta | RoiaSaMurta | 2025.1    | Tr 200  | 137.02  | 22.81     | 25.15     | 25.15     | 25.44     | 0.008768   | 3.19     | 64.40     | 119.71    | 0.75         |
| RoiaSaMurta | RoiaSaMurta | 2025.1    | Tr 500  | 161.38  | 22.81     | 25.25     | 25.25     | 25.53     | 0.008430   | 3.20     | 77.44     | 140.30    | 0.74         |
| RoiaSaMurta | RoiaSaMurta | 1902.6    | Tr 50   | 100.25  | 21.54     | 24.22     | 23.87     | 24.33     | 0.002822   | 1.93     | 73.38     | 87.59     | 0.42         |
| RoiaSaMurta | RoiaSaMurta | 1902.6    | Tr 100  | 118.61  | 21.54     | 24.31     | 23.96     | 24.43     | 0.003054   | 2.04     | 81.22     | 92.32     | 0.43         |
| RoiaSaMurta | RoiaSaMurta | 1902.6    | Tr 200  | 137.02  | 21.54     | 24.38     | 24.03     | 24.52     | 0.003253   | 2.13     | 88.74     | 96.64     | 0.45         |
| RoiaSaMurta | RoiaSaMurta | 1902.6    | Tr 500  | 161.38  | 21.54     | 24.48     | 24.13     | 24.63     | 0.003492   | 2.24     | 98.07     | 101.75    | 0.46         |
| RoiaSaMurta | RoiaSaMurta | 1760.1    | Tr 50   | 100.25  | 20.06     | 22.27     | 22.53     | 23.03     | 0.019759   | 4.46     | 30.86     | 53.98     | 1.27         |
| RoiaSaMurta | RoiaSaMurta | 1760.1    | Tr 100  | 118.61  | 20.06     | 22.37     | 22.62     | 23.13     | 0.018881   | 4.58     | 36.25     | 59.26     | 1.26         |
| RoiaSaMurta | RoiaSaMurta | 1760.1    | Tr 200  | 137.02  | 20.06     | 22.45     | 22.71     | 23.23     | 0.018233   | 4.69     | 41.48     | 63.97     | 1.25         |
| RoiaSaMurta | RoiaSaMurta | 1760.1    | Tr 500  | 161.38  | 20.06     | 22.56     | 22.81     | 23.34     | 0.017410   | 4.80     | 48.39     | 69.70     | 1.23         |
| RoiaSaMurta | RoiaSaMurta | 1677.7    | Tr 50   | 100.25  | 19.37     | 21.49     | 21.58     | 21.86     | 0.013371   | 3.23     | 41.46     | 86.95     | 1.00         |
| RoiaSaMurta | RoiaSaMurta | 1677.7    | Tr 100  | 118.61  | 19.37     | 21.56     | 21.65     | 21.95     | 0.013528   | 3.39     | 47.68     | 94.10     | 1.02         |
| RoiaSaMurta | RoiaSaMurta | 1677.7    | Tr 200  | 137.02  | 19.37     | 21.61     | 21.72     | 22.04     | 0.013946   | 3.56     | 53.11     | 98.96     | 1.04         |
| RoiaSaMurta | RoiaSaMurta | 1677.7    | Tr 500  | 161.38  | 19.37     | 21.69     | 21.80     | 22.14     | 0.014039   | 3.71     | 60.60     | 105.36    | 1.05         |
| RoiaSaMurta | RoiaSaMurta | 1616.6    | Tr 50   | 100.25  | 18.42     | 20.76     | 20.59     | 20.88     | 0.003860   | 2.08     | 74.05     | 125.01    | 0.57         |
| RoiaSaMurta | RoiaSaMurta | 1616.6    | Tr 100  | 118.61  | 18.42     | 20.84     | 20.66     | 20.97     | 0.003884   | 2.16     | 84.07     | 132.40    | 0.57         |
| RoiaSaMurta | RoiaSaMurta | 1616.6    | Tr 200  | 137.02  | 18.42     | 20.91     | 20.72     | 21.05     | 0.003901   | 2.24     | 93.75     | 139.29    | 0.58         |
| RoiaSaMurta | RoiaSaMurta | 1616.6    | Tr 500  | 161.38  | 18.42     | 21.00     | 20.79     | 21.14     | 0.003930   | 2.33     | 106.04    | 147.91    | 0.59         |
| RoiaSaMurta | RoiaSaMurta | 1486.3    | Tr 50   | 100.25  | 17.94     | 20.38     | 20.10     | 20.43     | 0.001721   | 1.40     | 108.44    | 168.98    | 0.38         |
| RoiaSaMurta | RoiaSaMurta | 1486.3    | Tr 100  | 118.61  | 17.94     | 20.46     | 20.14     | 20.51     | 0.001704   | 1.45     | 122.20    | 173.74    | 0.38         |
| RoiaSaMurta | RoiaSaMurta | 1486.3    | Tr 200  | 137.02  | 17.94     | 20.53     | 20.18     | 20.59     | 0.001691   | 1.49     | 135.34    | 178.10    | 0.38         |
| RoiaSaMurta | RoiaSaMurta | 1486.3    | Tr 500  | 161.38  | 17.94     | 20.62     | 20.24     | 20.68     | 0.001714   | 1.56     | 150.77    | 183.07    | 0.39         |
| RoiaSaMurta | RoiaSaMurta | 1334.7    | Tr 50   | 100.25  | 17.44     | 20.01     | 19.76     | 20.10     | 0.002430   | 1.80     | 88.16     | 137.69    | 0.46         |
| RoiaSaMurta | RoiaSaMurta | 1334.7    | Tr 100  | 118.61  | 17.44     | 20.08     | 19.83     | 20.18     | 0.002620   | 1.92     | 96.95     | 141.36    | 0.48         |
| RoiaSaMurta | RoiaSaMurta | 1334.7    | Tr 200  | 137.02  | 17.44     | 20.13     | 19.89     | 20.24     | 0.002790   | 2.03     | 105.12    | 144.36    | 0.50         |
| RoiaSaMurta | RoiaSaMurta | 1334.7    | Tr 500  | 161.38  | 17.44     | 20.20     | 19.97     | 20.33     | 0.003006   | 2.16     | 115.05    | 147.92    | 0.52         |
| RoiaSaMurta | RoiaSaMurta | 1178.3    | Tr 50   | 100.25  | 17.10     | 19.52     | 18.60     | 19.52     | 0.000131   | 0.36     | 324.78    | 353.05    | 0.09         |
| RoiaSaMurta | RoiaSaMurta | 1178.3    | Tr 100  | 118.61  | 17.10     | 19.58     | 18.64     | 19.59     | 0.000152   | 0.37     | 346.91    | 360.16    | 0.10         |
| RoiaSaMurta | RoiaSaMurta | 1178.3    | Tr 200  | 137.02  | 17.10     | 19.64     | 18.67     | 19.65     | 0.000168   | 0.37     | 370.03    | 367.73    | 0.10         |
| RoiaSaMurta | RoiaSaMurta | 1178.3    | Tr 500  | 161.38  | 17.10     | 19.70     | 18.71     | 19.71     | 0.000199   | 0.39     | 391.41    | 378.03    | 0.11         |
| RoiaSaMurta | RoiaSaMurta | 1041.3    | Tr 50   | 100.25  | 16.80     | 19.51     | 18.49     | 19.51     | 0.000065   | 0.23     | 437.35    | 447.47    | 0.07         |
| RoiaSaMurta | RoiaSaMurta | 1041.3    | Tr 100  | 118.61  | 16.80     | 19.57     | 18.52     | 19.57     | 0.000076   | 0.26     | 464.48    | 458.72    | 0.07         |
| RoiaSaMurta | RoiaSaMurta | 1041.3    | Tr 200  | 137.02  | 16.80     | 19.63     | 18.55     | 19.63     | 0.000085   | 0.28     | 493.23    | 469.44    | 0.08         |
| RoiaSaMurta | RoiaSaMurta | 1041.3    | Tr 500  | 161.38  | 16.80     | 19.68     | 18.59     | 19.69     | 0.000102   | 0.32     | 518.85    | 478.22    | 0.08         |

HEC-RAS Plan: AreaSud Locations: User Defined (Continued)

| River       | Reach       | River Sta | Profile | Q Total<br>(m3/s) | Min Ch El<br>(m) | W.S. Elev<br>(m) | Crit W.S.<br>(m) | E.G. Elev<br>(m) | E.G. Slope<br>(m/m) | Vel Chnl<br>(m/s) | Flow Area<br>(m2) | Top Width<br>(m) | Froude # Chl |
|-------------|-------------|-----------|---------|-------------------|------------------|------------------|------------------|------------------|---------------------|-------------------|-------------------|------------------|--------------|
| RoaSaMurta  | RoaSaMurta  | 884.8     | Tr 50   | 100.25            | 16.45            | 19.48            | 18.92            | 19.49            | 0.000253            | 0.61              | 274.59            | 389.46           | 0.12         |
| RoaSaMurta  | RoaSaMurta  | 884.8     | Tr 100  | 118.61            | 16.45            | 19.54            | 18.95            | 19.55            | 0.000283            | 0.65              | 296.83            | 397.81           | 0.13         |
| RoaSaMurta  | RoaSaMurta  | 884.8     | Tr 200  | 137.02            | 16.45            | 19.60            | 18.98            | 19.61            | 0.000302            | 0.68              | 320.77            | 407.15           | 0.13         |
| RoaSaMurta  | RoaSaMurta  | 884.8     | Tr 500  | 161.38            | 16.45            | 19.65            | 19.03            | 19.66            | 0.000358            | 0.63              | 340.99            | 415.60           | 0.15         |
| RoaSaMurta  | RoaSaMurta  | 790.2     | Tr 50   | 100.25            | 16.25            | 19.23            | 19.23            | 19.39            | 0.004540            | 2.57              | 84.08             | 231.21           | 0.52         |
| RoaSaMurta  | RoaSaMurta  | 790.2     | Tr 100  | 118.61            | 16.25            | 19.29            | 19.29            | 19.45            | 0.004784            | 2.66              | 97.53             | 259.87           | 0.54         |
| RoaSaMurta  | RoaSaMurta  | 790.2     | Tr 200  | 137.02            | 16.25            | 19.29            | 19.29            | 19.50            | 0.006258            | 3.04              | 98.54             | 261.99           | 0.61         |
| RoaSaMurta  | RoaSaMurta  | 790.2     | Tr 500  | 161.38            | 16.25            | 19.41            | 19.41            | 19.55            | 0.004664            | 2.67              | 136.74            | 349.67           | 0.52         |
| RoaSaMurta  | RoaSaMurta  | 646.6     | Tr 50   | 100.25            | 15.93            | 17.68            | 17.73            | 17.86            | 0.017544            | 2.81              | 64.85             | 283.58           | 1.09         |
| RoaSaMurta  | RoaSaMurta  | 646.6     | Tr 100  | 118.61            | 15.93            | 17.72            | 17.77            | 17.90            | 0.016697            | 2.84              | 75.64             | 306.07           | 1.07         |
| RoaSaMurta  | RoaSaMurta  | 646.6     | Tr 200  | 137.02            | 15.93            | 17.75            | 17.79            | 17.93            | 0.015993            | 2.87              | 86.24             | 327.13           | 1.06         |
| RoaSaMurta  | RoaSaMurta  | 646.6     | Tr 500  | 161.38            | 15.93            | 17.80            | 17.83            | 17.97            | 0.014913            | 2.87              | 100.41            | 351.15           | 1.03         |
| RoaSaMurta  | RoaSaMurta  | 479.2     | Tr 50   | 100.25            | 13.66            | 15.57            | 15.53            | 15.69            | 0.007626            | 2.24              | 77.07             | 234.32           | 0.75         |
| RoaSaMurta  | RoaSaMurta  | 479.2     | Tr 100  | 118.61            | 13.66            | 15.62            | 15.57            | 15.74            | 0.007777            | 2.33              | 87.24             | 249.29           | 0.76         |
| RoaSaMurta  | RoaSaMurta  | 479.2     | Tr 200  | 137.02            | 13.66            | 15.65            | 15.61            | 15.78            | 0.007923            | 2.41              | 96.94             | 262.43           | 0.77         |
| RoaSaMurta  | RoaSaMurta  | 479.2     | Tr 500  | 161.38            | 13.66            | 15.70            | 15.66            | 15.84            | 0.008107            | 2.51              | 109.09            | 277.68           | 0.78         |
| RoaSaMurta  | RoaSaMurta  | 348.6     | Tr 50   | 100.25            | 12.94            | 14.57            |                  | 14.62            | 0.004044            | 1.28              | 105.43            | 309.52           | 0.51         |
| RoaSaMurta  | RoaSaMurta  | 348.6     | Tr 100  | 118.61            | 12.94            | 14.61            |                  | 14.66            | 0.004061            | 1.33              | 118.18            | 324.33           | 0.52         |
| RoaSaMurta  | RoaSaMurta  | 348.6     | Tr 200  | 137.02            | 12.94            | 14.64            |                  | 14.70            | 0.004076            | 1.38              | 130.40            | 334.85           | 0.52         |
| RoaSaMurta  | RoaSaMurta  | 348.6     | Tr 500  | 161.38            | 12.94            | 14.69            |                  | 14.76            | 0.004093            | 1.45              | 145.80            | 345.69           | 0.53         |
| RoaSaMurta  | RoaSaMurta  | 221.8     | Tr 50   | 100.25            | 12.18            | 14.01            |                  | 14.05            | 0.002718            | 1.27              | 123.91            | 376.27           | 0.44         |
| RoaSaMurta  | RoaSaMurta  | 221.8     | Tr 100  | 118.61            | 12.18            | 14.05            |                  | 14.09            | 0.002825            | 1.33              | 137.96            | 380.78           | 0.45         |
| RoaSaMurta  | RoaSaMurta  | 221.8     | Tr 200  | 137.02            | 12.18            | 14.08            |                  | 14.13            | 0.002915            | 1.39              | 151.09            | 384.94           | 0.46         |
| RoaSaMurta  | RoaSaMurta  | 221.8     | Tr 500  | 161.38            | 12.18            | 14.12            |                  | 14.18            | 0.003012            | 1.46              | 167.40            | 390.27           | 0.47         |
| RoaSaMurta  | RoaSaMurta  | 130.5     | Tr 50   | 100.25            | 11.74            | 13.54            |                  | 13.59            | 0.004386            | 1.58              | 110.56            | 352.88           | 0.56         |
| RoaSaMurta  | RoaSaMurta  | 130.5     | Tr 100  | 118.61            | 11.74            | 13.58            |                  | 13.63            | 0.004283            | 1.61              | 124.46            | 358.00           | 0.55         |
| RoaSaMurta  | RoaSaMurta  | 130.5     | Tr 200  | 137.02            | 11.74            | 13.61            |                  | 13.67            | 0.004224            | 1.64              | 137.43            | 362.90           | 0.55         |
| RoaSaMurta  | RoaSaMurta  | 130.5     | Tr 500  | 161.38            | 11.74            | 13.66            |                  | 13.72            | 0.004193            | 1.69              | 153.34            | 368.82           | 0.56         |
| RoaSaMurta  | RoaSaMurta  | 27        | Tr 50   | 100.25            | 12.06            | 12.59            | 12.45            | 12.65            | 0.005003            | 1.06              | 94.94             | 251.02           | 0.53         |
| RoaSaMurta  | RoaSaMurta  | 27        | Tr 100  | 118.61            | 12.06            | 12.64            | 12.48            | 12.70            | 0.005000            | 1.11              | 106.38            | 259.13           | 0.53         |
| RoaSaMurta  | RoaSaMurta  | 27        | Tr 200  | 137.02            | 12.06            | 12.68            | 12.52            | 12.75            | 0.005005            | 1.15              | 117.23            | 266.24           | 0.53         |
| RoaSaMurta  | RoaSaMurta  | 27        | Tr 500  | 161.38            | 12.06            | 12.73            | 12.56            | 12.81            | 0.005005            | 1.20              | 131.02            | 275.02           | 0.54         |
| R_MerdeCani | R_MerdeCani | 4121.9    | Tr 50   | 96.70             | 8.50             | 11.14            | 10.91            | 11.24            | 0.003295            | 1.80              | 77.14             | 130.95           | 0.52         |
| R_MerdeCani | R_MerdeCani | 4121.9    | Tr 100  | 114.59            | 8.50             | 11.22            | 10.98            | 11.33            | 0.003352            | 1.90              | 88.41             | 144.47           | 0.53         |
| R_MerdeCani | R_MerdeCani | 4121.9    | Tr 200  | 132.66            | 8.50             | 11.30            | 11.04            | 11.41            | 0.003277            | 1.95              | 99.88             | 152.77           | 0.53         |
| R_MerdeCani | R_MerdeCani | 4121.9    | Tr 500  | 156.62            | 8.50             | 11.39            | 11.12            | 11.51            | 0.003225            | 2.01              | 114.02            | 161.65           | 0.53         |
| R_MerdeCani | R_MerdeCani | 3934.4    | Tr 50   | 96.70             | 8.12             | 10.54            |                  | 10.63            | 0.003219            | 1.61              | 77.79             | 127.18           | 0.51         |
| R_MerdeCani | R_MerdeCani | 3934.4    | Tr 100  | 114.59            | 8.12             | 10.61            |                  | 10.72            | 0.003263            | 1.70              | 87.59             | 133.06           | 0.51         |
| R_MerdeCani | R_MerdeCani | 3934.4    | Tr 200  | 132.66            | 8.12             | 10.68            |                  | 10.79            | 0.003304            | 1.78              | 96.98             | 138.38           | 0.52         |
| R_MerdeCani | R_MerdeCani | 3934.4    | Tr 500  | 156.62            | 8.12             | 10.77            |                  | 10.89            | 0.003349            | 1.87              | 108.84            | 144.59           | 0.53         |
| R_MerdeCani | R_MerdeCani | 3621.5    | Tr 50   | 96.70             | 7.49             | 9.64             |                  | 9.66             | 0.000976            | 0.86              | 144.90            | 239.49           | 0.27         |
| R_MerdeCani | R_MerdeCani | 3621.5    | Tr 100  | 114.59            | 7.49             | 9.71             |                  | 9.74             | 0.001008            | 0.91              | 163.04            | 254.69           | 0.28         |
| R_MerdeCani | R_MerdeCani | 3621.5    | Tr 200  | 132.66            | 7.49             | 9.78             |                  | 9.81             | 0.001042            | 0.97              | 180.66            | 269.49           | 0.29         |
| R_MerdeCani | R_MerdeCani | 3621.5    | Tr 500  | 156.62            | 7.49             | 9.86             |                  | 9.89             | 0.001095            | 1.04              | 203.34            | 291.04           | 0.30         |
| R_MerdeCani | R_MerdeCani | 3412.2    | Tr 50   | 96.70             | 7.06             | 9.52             |                  | 9.53             | 0.000200            | 0.36              | 257.62            | 296.04           | 0.11         |
| R_MerdeCani | R_MerdeCani | 3412.2    | Tr 100  | 114.59            | 7.06             | 9.59             |                  | 9.60             | 0.000228            | 0.40              | 277.77            | 307.86           | 0.12         |
| R_MerdeCani | R_MerdeCani | 3412.2    | Tr 200  | 132.66            | 7.06             | 9.65             |                  | 9.66             | 0.000254            | 0.44              | 297.16            | 318.54           | 0.13         |
| R_MerdeCani | R_MerdeCani | 3412.2    | Tr 500  | 156.62            | 7.06             | 9.72             |                  | 9.74             | 0.000286            | 0.48              | 321.71            | 331.57           | 0.14         |
| R_MerdeCani | R_MerdeCani | 3111.6    | Tr 50   | 96.70             | 6.46             | 9.16             |                  | 9.24             | 0.005713            | 1.71              | 85.60             | 251.60           | 0.62         |
| R_MerdeCani | R_MerdeCani | 3111.6    | Tr 100  | 114.59            | 6.46             | 9.21             |                  | 9.29             | 0.005600            | 1.75              | 97.27             | 258.65           | 0.62         |
| R_MerdeCani | R_MerdeCani | 3111.6    | Tr 200  | 132.66            | 6.46             | 9.25             |                  | 9.34             | 0.005418            | 1.79              | 109.06            | 265.40           | 0.61         |
| R_MerdeCani | R_MerdeCani | 3111.6    | Tr 500  | 156.62            | 6.46             | 9.31             |                  | 9.40             | 0.005113            | 1.81              | 124.78            | 273.25           | 0.60         |
| R_MerdeCani | R_MerdeCani | 2935.4    | Tr 50   | 96.70             | 6.10             | 8.84             |                  | 8.85             | 0.000141            | 0.43              | 307.30            | 354.21           | 0.11         |
| R_MerdeCani | R_MerdeCani | 2935.4    | Tr 100  | 114.59            | 6.10             | 8.92             |                  | 8.93             | 0.000153            | 0.46              | 335.31            | 361.71           | 0.12         |
| R_MerdeCani | R_MerdeCani | 2935.4    | Tr 200  | 132.66            | 6.10             | 8.99             |                  | 9.00             | 0.000164            | 0.49              | 361.60            | 367.56           | 0.12         |
| R_MerdeCani | R_MerdeCani | 2935.4    | Tr 500  | 156.62            | 6.10             | 9.08             |                  | 9.09             | 0.000178            | 0.53              | 393.59            | 374.85           | 0.13         |
| R_MerdeCani | R_MerdeCani | 2760.6    | Tr 50   | 96.70             | 5.89             | 8.70             |                  | 8.73             | 0.001113            | 1.10              | 138.89            | 225.85           | 0.23         |
| R_MerdeCani | R_MerdeCani | 2760.6    | Tr 100  | 114.59            | 5.89             | 8.78             |                  | 8.80             | 0.001139            | 1.13              | 156.82            | 239.80           | 0.23         |
| R_MerdeCani | R_MerdeCani | 2760.6    | Tr 200  | 132.66            | 5.89             | 8.85             |                  | 8.88             | 0.001165            | 1.15              | 174.07            | 253.20           | 0.23         |
| R_MerdeCani | R_MerdeCani | 2760.6    | Tr 500  | 156.62            | 5.89             | 8.93             |                  | 8.96             | 0.001193            | 1.17              | 195.83            | 268.56           | 0.23         |
| R_MerdeCani | R_MerdeCani | 2541.2    | Tr 50   | 96.70             | 5.62             | 8.16             |                  | 8.30             | 0.006423            | 2.55              | 69.61             | 161.14           | 0.57         |
| R_MerdeCani | R_MerdeCani | 2541.2    | Tr 100  | 114.59            | 5.62             | 8.23             |                  | 8.36             | 0.006159            | 2.52              | 82.43             | 181.28           | 0.55         |
| R_MerdeCani | R_MerdeCani | 2541.2    | Tr 200  | 132.66            | 5.62             | 8.30             |                  | 8.43             | 0.005820            | 2.48              | 95.80             | 200.11           | 0.54         |
| R_MerdeCani | R_MerdeCani | 2541.2    | Tr 500  | 156.62            | 5.62             | 8.39             |                  | 8.51             | 0.005412            | 2.42              | 114.07            | 225.53           | 0.51         |
| R_MerdeCani | R_MerdeCani | 2431.1    | Tr 50   | 96.70             | 5.48             | 7.89             |                  | 7.92             | 0.000765            | 0.86              | 139.71            | 168.29           | 0.20         |
| R_MerdeCani | R_MerdeCani | 2431.1    | Tr 100  | 114.59            | 5.48             | 7.97             |                  | 8.00             | 0.000833            | 0.91              | 153.77            | 176.60           | 0.21         |
| R_MerdeCani | R_MerdeCani | 2431.1    | Tr 200  | 132.66            | 5.48             | 8.05             |                  | 8.08             | 0.000894            | 0.95              | 167.12            | 183.93           | 0.21         |
| R_MerdeCani | R_MerdeCani | 2431.1    | Tr 500  | 156.62            | 5.48             | 8.14             |                  | 8.17             | 0.000966            | 1.01              | 183.81            | 192.48           | 0.22         |
| R_MerdeCani | R_MerdeCani | 2048.2    | Tr 50   | 96.70             | 5.01             | 7.75             |                  | 7.76             | 0.000119            | 0.31              | 292.47            | 290.00           | 0.09         |
| R_MerdeCani | R_MerdeCani | 2048.2    | Tr 100  | 114.59            | 5.01             | 7.82             |                  | 7.82             | 0.000141            | 0.34              | 311.31            | 299.28           | 0.10         |
| R_MerdeCani | R_MerdeCani | 2048.2    | Tr 200  | 132.66            | 5.01             | 7.87             |                  | 7.88             | 0.000162            | 0.38              | 328.65            | 307.73           | 0.10         |
| R_MerdeCani | R_MerdeCani | 2048.2    | Tr 500  | 156.62            | 5.01             | 7.94             |                  | 7.95             | 0.000191            | 0.42              | 349.86            | 318.46           | 0.11         |
| R_MerdeCani | R_MerdeCani | 1725      | Tr 50   | 96.70             | 4.62             | 7.72             |                  | 7.72             | 0.000007            | 0.11              | 859.78            | 519.80           | 0.03         |
| R_MerdeCani | R_MerdeCani | 1725      | Tr 100  | 114.59            | 4.62             | 7.78             |                  | 7.78             | 0.000009            | 0.12              | 891.07            | 527.60           | 0.03         |
| R_MerdeCani | R_MerdeCani | 1725      | Tr 200  | 132.66            | 4.62             | 7.83             |                  | 7.83             | 0.000011            | 0.14              | 919.22            | 534.66           | 0.03         |

HEC-RAS Plan: AreaSud Locations: User Defined (Continued)

| River       | Reach       | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------------|-------------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|             |             |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| R_MerdeCani | R_MerdeCani | 1725      | Tr 500  | 156.62  | 4.62      | 7.89      |           | 7.89      | 0.000014   | 0.16     | 952.97    | 544.93    | 0.04         |
| R_MerdeCani | R_MerdeCani | 1531.8    | Tr 50   | 96.70   | 4.38      | 7.71      |           | 7.71      | 0.000083   | 0.38     | 377.56    | 404.62    | 0.09         |
| R_MerdeCani | R_MerdeCani | 1531.8    | Tr 100  | 114.59  | 4.38      | 7.76      |           | 7.77      | 0.000099   | 0.42     | 401.13    | 415.37    | 0.10         |
| R_MerdeCani | R_MerdeCani | 1531.8    | Tr 200  | 132.66  | 4.38      | 7.81      |           | 7.82      | 0.000116   | 0.47     | 422.39    | 424.53    | 0.10         |
| R_MerdeCani | R_MerdeCani | 1531.8    | Tr 500  | 156.62  | 4.38      | 7.87      |           | 7.88      | 0.000138   | 0.52     | 447.88    | 434.81    | 0.11         |
| R_MerdeCani | R_MerdeCani | 1386.7    | Tr 50   | 96.70   | 4.20      | 7.70      |           | 7.70      | 0.000031   | 0.28     | 546.33    | 478.78    | 0.06         |
| R_MerdeCani | R_MerdeCani | 1386.7    | Tr 100  | 114.59  | 4.20      | 7.76      |           | 7.76      | 0.000039   | 0.31     | 573.52    | 489.54    | 0.06         |
| R_MerdeCani | R_MerdeCani | 1386.7    | Tr 200  | 132.66  | 4.20      | 7.81      |           | 7.81      | 0.000046   | 0.34     | 597.86    | 498.96    | 0.07         |
| R_MerdeCani | R_MerdeCani | 1386.7    | Tr 500  | 156.62  | 4.20      | 7.86      |           | 7.87      | 0.000057   | 0.39     | 626.86    | 510.33    | 0.08         |
| R_MerdeCani | R_MerdeCani | 1234.3    | Tr 50   | 96.70   | 4.14      | 7.68      |           | 7.69      | 0.000252   | 0.54     | 267.45    | 389.00    | 0.14         |
| R_MerdeCani | R_MerdeCani | 1234.3    | Tr 100  | 114.59  | 4.14      | 7.73      |           | 7.74      | 0.000289   | 0.59     | 288.18    | 402.55    | 0.15         |
| R_MerdeCani | R_MerdeCani | 1234.3    | Tr 200  | 132.66  | 4.14      | 7.78      |           | 7.79      | 0.000328   | 0.64     | 306.68    | 414.52    | 0.16         |
| R_MerdeCani | R_MerdeCani | 1234.3    | Tr 500  | 156.62  | 4.14      | 7.83      |           | 7.84      | 0.000381   | 0.70     | 328.68    | 429.33    | 0.17         |
| R_MerdeCani | R_MerdeCani | 1135.5    | Tr 50   | 96.70   | 4.11      | 7.54      |           | 7.59      | 0.003025   | 1.53     | 123.08    | 432.33    | 0.46         |
| R_MerdeCani | R_MerdeCani | 1135.5    | Tr 100  | 114.59  | 4.11      | 7.60      |           | 7.64      | 0.002609   | 1.47     | 148.64    | 453.29    | 0.43         |
| R_MerdeCani | R_MerdeCani | 1135.5    | Tr 200  | 132.66  | 4.11      | 7.64      |           | 7.68      | 0.002544   | 1.48     | 167.13    | 464.81    | 0.42         |
| R_MerdeCani | R_MerdeCani | 1135.5    | Tr 500  | 156.62  | 4.11      | 7.68      |           | 7.73      | 0.002641   | 1.54     | 185.99    | 476.21    | 0.43         |
| R_MerdeCani | R_MerdeCani | 963       | Tr 50   | 96.70   | 4.04      | 6.43      |           | 6.50      | 0.005743   | 1.41     | 84.95     | 235.12    | 0.60         |
| R_MerdeCani | R_MerdeCani | 963       | Tr 100  | 114.59  | 4.04      | 6.47      |           | 6.55      | 0.005719   | 1.48     | 98.34     | 241.68    | 0.60         |
| R_MerdeCani | R_MerdeCani | 963       | Tr 200  | 132.66  | 4.04      | 6.51      |           | 6.60      | 0.005685   | 1.54     | 105.43    | 247.74    | 0.61         |
| R_MerdeCani | R_MerdeCani | 963       | Tr 500  | 156.62  | 4.04      | 6.56      |           | 6.66      | 0.005631   | 1.61     | 118.31    | 255.28    | 0.61         |
| R_MerdeCani | R_MerdeCani | 860.9     | Tr 50   | 96.70   | 4.00      | 6.11      |           | 6.13      | 0.000823   | 0.60     | 170.31    | 309.28    | 0.24         |
| R_MerdeCani | R_MerdeCani | 860.9     | Tr 100  | 114.59  | 4.00      | 6.17      |           | 6.19      | 0.000865   | 0.65     | 187.85    | 318.63    | 0.25         |
| R_MerdeCani | R_MerdeCani | 860.9     | Tr 200  | 132.66  | 4.00      | 6.22      |           | 6.24      | 0.000903   | 0.70     | 204.52    | 326.77    | 0.25         |
| R_MerdeCani | R_MerdeCani | 860.9     | Tr 500  | 156.62  | 4.00      | 6.28      |           | 6.31      | 0.000948   | 0.75     | 225.31    | 336.88    | 0.26         |
| R_MerdeCani | R_MerdeCani | 661.7     | Tr 50   | 96.70   | 3.93      | 6.00      |           | 6.00      | 0.000164   | 0.18     | 338.02    | 493.50    | 0.09         |
| R_MerdeCani | R_MerdeCani | 661.7     | Tr 100  | 114.59  | 3.93      | 6.05      |           | 6.05      | 0.000187   | 0.19     | 361.26    | 500.79    | 0.10         |
| R_MerdeCani | R_MerdeCani | 661.7     | Tr 200  | 132.66  | 3.93      | 6.09      |           | 6.09      | 0.000208   | 0.21     | 383.17    | 507.11    | 0.11         |
| R_MerdeCani | R_MerdeCani | 661.7     | Tr 500  | 156.62  | 3.93      | 6.14      |           | 6.15      | 0.000235   | 0.23     | 410.33    | 515.05    | 0.12         |
| R_MerdeCani | R_MerdeCani | 522.5     | Tr 50   | 96.70   | 3.88      | 5.98      |           | 5.99      | 0.000077   | 0.15     | 457.77    | 611.35    | 0.07         |
| R_MerdeCani | R_MerdeCani | 522.5     | Tr 100  | 114.59  | 3.88      | 6.03      |           | 6.03      | 0.000090   | 0.17     | 485.30    | 622.02    | 0.07         |
| R_MerdeCani | R_MerdeCani | 522.5     | Tr 200  | 132.66  | 3.88      | 6.07      |           | 6.07      | 0.000102   | 0.19     | 511.36    | 633.04    | 0.08         |
| R_MerdeCani | R_MerdeCani | 522.5     | Tr 500  | 156.62  | 3.88      | 6.12      |           | 6.13      | 0.000118   | 0.21     | 543.79    | 644.65    | 0.09         |
| R_MerdeCani | R_MerdeCani | 377.4     | Tr 50   | 96.70   | 3.82      | 5.97      |           | 5.98      | 0.000073   | 0.15     | 486.87    | 716.72    | 0.07         |
| R_MerdeCani | R_MerdeCani | 377.4     | Tr 100  | 114.59  | 3.82      | 6.02      |           | 6.02      | 0.000085   | 0.17     | 517.84    | 732.07    | 0.07         |
| R_MerdeCani | R_MerdeCani | 377.4     | Tr 200  | 132.66  | 3.82      | 6.06      |           | 6.06      | 0.000097   | 0.19     | 547.16    | 745.08    | 0.08         |
| R_MerdeCani | R_MerdeCani | 377.4     | Tr 500  | 156.62  | 3.82      | 6.10      |           | 6.11      | 0.000111   | 0.21     | 583.64    | 760.53    | 0.09         |
| R_MerdeCani | R_MerdeCani | 270.7     | Tr 50   | 96.70   | 3.78      | 5.96      |           | 5.97      | 0.000121   | 0.22     | 417.44    | 679.83    | 0.09         |
| R_MerdeCani | R_MerdeCani | 270.7     | Tr 100  | 114.59  | 3.78      | 6.00      |           | 6.01      | 0.000138   | 0.24     | 445.59    | 687.26    | 0.09         |
| R_MerdeCani | R_MerdeCani | 270.7     | Tr 200  | 132.66  | 3.78      | 6.04      |           | 6.05      | 0.000154   | 0.26     | 471.97    | 694.42    | 0.10         |
| R_MerdeCani | R_MerdeCani | 270.7     | Tr 500  | 156.62  | 3.78      | 6.09      |           | 6.09      | 0.000174   | 0.29     | 504.54    | 702.28    | 0.11         |
| R_MerdeCani | R_MerdeCani | 47.8      | Tr 50   | 96.70   | 3.70      | 5.74      | 5.69      | 5.79      | 0.005007   | 1.35     | 116.68    | 511.07    | 0.57         |
| R_MerdeCani | R_MerdeCani | 47.8      | Tr 100  | 114.59  | 3.70      | 5.77      | 5.71      | 5.82      | 0.005002   | 1.40     | 131.24    | 517.22    | 0.58         |
| R_MerdeCani | R_MerdeCani | 47.8      | Tr 200  | 132.66  | 3.70      | 5.79      | 5.73      | 5.85      | 0.005001   | 1.44     | 145.01    | 522.94    | 0.58         |
| R_MerdeCani | R_MerdeCani | 47.8      | Tr 500  | 156.62  | 3.70      | 5.82      | 5.74      | 5.88      | 0.005002   | 1.49     | 162.13    | 529.65    | 0.59         |