



### Design Settings

|                                      |        |                                    |               |
|--------------------------------------|--------|------------------------------------|---------------|
| Rainfall Methodology                 | FEH-22 | Minimum Velocity (m/s)             | 1.00          |
| Return Period (years)                | 2      | Connection Type                    | Level Soffits |
| Additional Flow (%)                  | 0      | Minimum Backdrop Height (m)        | 0.200         |
| CV                                   | 1.000  | Preferred Cover Depth (m)          | 1.200         |
| Time of Entry (mins)                 | 5.00   | Include Intermediate Ground        | ✓             |
| Maximum Time of Concentration (mins) | 30.00  | Enforce best practice design rules | ✓             |
| Maximum Rainfall (mm/hr)             | 50.0   |                                    |               |

### Nodes

| Name | Area<br>(ha) | T of E<br>(mins) | Cover<br>Level<br>(m) | Diameter<br>(mm) | Easting<br>(m) | Northing<br>(m) | Depth<br>(m) |
|------|--------------|------------------|-----------------------|------------------|----------------|-----------------|--------------|
| S1   | 0.084        | 5.00             | 7.118                 | 1350             | 499865.162     | 101847.741      | 1.294        |
| S2   | 0.015        | 5.00             | 6.923                 | 1350             | 499857.005     | 101871.462      | 1.233        |
| S3   | 0.002        | 5.00             | 7.059                 | 1350             | 499856.858     | 101895.543      | 1.526        |
| S38  | 0.097        | 5.00             | 7.108                 | 1350             | 499858.406     | 101944.420      | 1.798        |
| S4   | 0.203        | 5.00             | 6.885                 | 1500             | 499870.460     | 101903.846      | 2.012        |
| S39  | 0.092        | 5.00             | 6.868                 | 1350             | 499916.881     | 101954.890      | 1.809        |
| S40  |              |                  | 6.486                 | 1350             | 499930.021     | 101934.649      | 1.532        |
| S5   | 0.206        | 5.00             | 6.340                 | 1500             | 499935.669     | 101916.873      | 1.702        |
| S27  | 0.134        | 5.00             | 7.281                 | 1500             | 499904.723     | 101844.831      | 2.445        |
| S28  | 0.048        | 5.00             | 6.347                 | 1350             | 499975.882     | 101869.896      | 1.657        |
| S29  | 0.009        | 5.00             | 6.249                 | 1350             | 500000.563     | 101876.189      | 1.605        |
| S30  | 0.094        | 5.00             | 6.437                 | 1350             | 500011.846     | 101886.407      | 1.821        |
| S116 | 0.100        | 5.00             | 6.250                 | 1350             | 499968.880     | 102004.358      | 1.590        |
| S115 | 0.071        | 5.00             | 6.230                 | 1350             | 499978.880     | 101980.017      | 1.614        |
| S114 |              |                  | 6.534                 | 1350             | 499984.476     | 101955.748      | 1.965        |
| S7   | 0.046        | 5.00             | 6.942                 | 1800             | 499995.594     | 101934.034      | 2.568        |
| S8   | 0.051        | 5.00             | 6.990                 | 1800             | 500023.037     | 101948.013      | 2.672        |
| S9   | 0.157        | 5.00             | 6.792                 | 1800             | 500035.372     | 101945.916      | 2.497        |
| S153 | 0.064        | 5.00             | 6.092                 | 1350             | 500144.358     | 102004.678      | 1.355        |
| S154 | 0.031        | 5.00             | 6.209                 | 1350             | 500147.130     | 101992.969      | 1.523        |
| S155 | 0.045        | 5.00             | 6.248                 | 1350             | 500141.873     | 101974.380      | 1.626        |
| S72  | 0.093        | 5.00             | 6.060                 | 1350             | 500122.211     | 101964.707      | 1.511        |
| S10  |              |                  | 5.907                 | 1800             | 500098.974     | 101960.618      | 1.721        |
| S11  |              |                  | 5.952                 | 1800             | 500094.899     | 101974.757      | 1.802        |
| S41  | 0.085        | 5.00             | 6.760                 | 1350             | 500034.649     | 101970.478      | 1.490        |
| S42  | 0.089        | 5.00             | 6.403                 | 1350             | 500044.524     | 101992.893      | 1.500        |
| S117 | 0.055        | 5.00             | 6.215                 | 1350             | 500068.497     | 102037.340      | 1.368        |
| S45  | 0.037        | 5.00             | 5.972                 | 1800             | 500082.763     | 102009.718      | 1.535        |
| S162 |              |                  | 5.952                 | 1350             | 500094.262     | 101991.904      | 1.802        |
| S12  | 0.015        | 5.00             | 5.952                 | 1800             | 500126.198     | 102004.002      | 1.952        |
| S158 | 0.015        | 5.00             | 5.993                 | 1500             | 500131.948     | 102018.295      | 2.117        |
| S71  | 0.222        | 5.00             | 6.459                 | 1200             | 500110.088     | 102085.650      | 1.883        |
| S171 |              |                  | 6.127                 | 1350             | 500121.432     | 102060.901      | 1.665        |
| S44  | 0.097        | 5.00             | 5.640                 | 1350             | 500116.614     | 102021.391      | 1.422        |
| S13  | 0.095        | 5.00             | 5.791                 | 1500             | 500136.893     | 102027.271      | 1.933        |
| S33  | 0.195        | 5.00             | 6.259                 | 1350             | 500054.145     | 101889.235      | 1.516        |
| S172 |              |                  | 6.148                 | 1350             | 500100.061     | 101900.731      | 1.527        |
| S161 | 0.101        | 5.00             | 6.467                 | 1350             | 500130.644     | 101908.389      | 1.925        |
| S34  | 0.011        | 5.00             | 6.218                 | 1350             | 500200.021     | 101925.759      | 1.865        |
| S35  | 0.076        | 5.00             | 5.940                 | 1350             | 500210.391     | 101938.189      | 1.629        |
| S36  | 0.065        | 5.00             | 5.853                 | 1350             | 500210.946     | 101983.503      | 1.655        |
| S37  | 0.043        | 5.00             | 6.293                 | 1350             | 500206.342     | 102020.225      | 2.196        |
| S14  | 0.098        | 5.00             | 6.001                 | 1800             | 500194.551     | 102046.118      | 2.278        |
| S15  | 0.020        | 5.00             | 5.553                 | 1350             | 500233.723     | 102065.645      | 1.985        |
| S56  | 0.053        | 5.00             | 5.919                 | 1350             | 500304.126     | 102046.006      | 1.612        |
| S57  | 0.062        | 5.00             | 5.934                 | 1350             | 500306.390     | 102033.247      | 1.681        |
| S58  | 0.021        | 5.00             | 5.937                 | 1200             | 500271.407     | 102025.633      | 1.833        |
| S59  | 0.066        | 5.00             | 5.787                 | 1350             | 500261.730     | 102036.983      | 1.744        |
| S151 | 0.033        | 5.00             | 5.499                 | 1350             | 500243.906     | 102085.860      | 1.605        |



**Nodes**

| Name | Area<br>(ha) | T of E<br>(mins) | Cover<br>Level<br>(m) | Diameter<br>(mm) | Easting<br>(m) | Northing<br>(m) | Depth<br>(m) |
|------|--------------|------------------|-----------------------|------------------|----------------|-----------------|--------------|
| S16  | 0.138        | 5.00             | 5.338                 | 1350             | 500255.887     | 102069.898      | 1.885        |
| S169 |              |                  | 5.623                 | 1200             | 500298.416     | 102078.430      | 2.227        |
| S168 |              | 5.00             | 5.636                 | 1350             | 500320.075     | 102091.440      | 1.459        |
| S17  |              |                  | 5.696                 | 1800             | 500326.798     | 102084.086      | 2.352        |
| S60  | 0.111        | 5.00             | 5.584                 | 1350             | 500271.244     | 101998.462      | 1.280        |
| S61  |              |                  | 5.571                 | 1350             | 500278.783     | 101967.323      | 1.358        |
| S62  | 0.004        | 5.00             | 5.689                 | 1350             | 500289.598     | 101960.057      | 1.509        |
| S63  | 0.064        | 5.00             | 6.026                 | 1350             | 500304.698     | 101970.540      | 1.892        |
| S64  | 0.021        | 5.00             | 5.713                 | 1350             | 500339.729     | 102023.136      | 1.737        |
| S65  |              |                  | 5.626                 | 1350             | 500348.295     | 102046.266      | 1.711        |
| S67  | 0.010        | 5.00             | 5.859                 | 1350             | 500330.088     | 102060.507      | 1.700        |
| S66  | 0.089        | 5.00             | 5.622                 | 1800             | 500348.840     | 102052.265      | 1.722        |
| S68  |              |                  | 5.581                 | 1500             | 500359.566     | 102064.174      | 1.806        |
| S69  |              |                  | 5.581                 | 1500             | 500361.372     | 102070.215      | 1.911        |
| S70  |              |                  | 5.269                 | 1350             | 500359.476     | 102087.678      | 1.639        |
| S18  |              |                  | 5.633                 | 1800             | 500343.377     | 102097.931      | 2.331        |
| S52  | 0.095        | 5.00             | 5.435                 | 1350             | 500321.147     | 102141.940      | 1.444        |
| S53  | 0.088        | 5.00             | 5.593                 | 1350             | 500332.055     | 102130.078      | 1.670        |
| S54  | 0.017        | 5.00             | 5.731                 | 1200             | 500328.836     | 102116.428      | 1.866        |
| S55  |              |                  | 5.463                 | 1350             | 500347.553     | 102110.408      | 2.184        |
| S19  |              |                  | 5.199                 | 1800             | 500352.979     | 102127.296      | 1.952        |
| S20  |              |                  | 4.778                 | 1800             | 500352.450     | 102141.094      | 1.556        |
| S21  |              |                  | 4.778                 | 1800             | 500338.453     | 102178.865      | 1.656        |
| S22  |              |                  | 5.467                 | 1800             | 500326.423     | 102182.141      | 3.259        |
| S73  |              | 5.00             | 6.200                 | 1200             | 499618.692     | 101995.016      | 0.633        |
| S74  |              |                  | 6.200                 | 1500             | 499644.761     | 102006.187      | 0.690        |
| S76  |              |                  | 5.950                 | 1500             | 499738.476     | 102031.691      | 0.634        |
| S92  | 0.063        | 5.00             | 6.744                 | 1350             | 499840.259     | 101966.726      | 1.278        |
| S93  | 0.008        | 5.00             | 6.747                 | 1350             | 499834.843     | 101981.705      | 1.332        |
| S94  |              |                  | 6.979                 | 1350             | 499833.974     | 101992.726      | 1.604        |
| S95  | 0.038        | 5.00             | 6.974                 | 1350             | 499823.652     | 102002.223      | 1.645        |
| S96  | 0.023        | 5.00             | 6.834                 | 1350             | 499824.478     | 102018.692      | 1.560        |
| S97  | 0.071        | 5.00             | 6.633                 | 1350             | 499819.431     | 102037.593      | 1.424        |
| S98  |              |                  | 6.466                 | 1350             | 499825.212     | 102051.631      | 1.308        |
| S100 |              |                  | 5.800                 | 1500             | 499822.827     | 102056.496      | 0.660        |
| S99  | 0.067        | 5.00             | 6.668                 | 1350             | 499853.400     | 102057.292      | 1.523        |
| S101 | 0.103        | 5.00             | 6.888                 | 1350             | 499878.767     | 102062.555      | 1.808        |
| S122 | 0.045        | 5.00             | 6.351                 | 1350             | 499942.011     | 102078.131      | 1.110        |
| S102 |              |                  | 6.480                 | 1350             | 499931.165     | 102074.830      | 1.534        |
| S118 |              |                  | 5.377                 | 1500             | 499928.197     | 102085.412      | 0.609        |
| S82  |              |                  | 5.346                 | 1500             | 499957.825     | 102094.558      | 0.640        |
| S83  |              |                  | 5.200                 | 1500             | 500098.279     | 102132.300      | 0.785        |
| S85  |              |                  | 6.109                 | 1800             | 500133.310     | 102135.328      | 1.859        |
| S86  |              |                  | 5.488                 | 1350             | 500165.482     | 102137.025      | 1.773        |
| S107 | 0.119        | 5.00             | 6.705                 | 1350             | 499862.307     | 101997.622      | 1.697        |
| S165 | 0.034        | 5.00             | 6.499                 | 1200             | 499890.380     | 102002.658      | 1.573        |
| S113 | 0.093        | 5.00             | 6.840                 | 1350             | 499917.572     | 101977.283      | 1.504        |
| S108 | 0.096        | 5.00             | 6.645                 | 1350             | 499913.502     | 102006.806      | 1.786        |
| S167 | 0.028        | 5.00             | 6.690                 | 1200             | 499941.638     | 102014.825      | 1.914        |
| S109 | 0.152        | 5.00             | 6.465                 | 1350             | 499961.874     | 102020.593      | 1.749        |
| S110 | 0.074        | 5.00             | 6.353                 | 1350             | 500012.739     | 102035.121      | 1.788        |
| S111 | 0.051        | 5.00             | 6.460                 | 1500             | 500059.607     | 102048.550      | 2.035        |
| S112 | 0.101        | 5.00             | 6.716                 | 1500             | 500050.767     | 102073.519      | 2.365        |
| S170 |              |                  | 6.688                 | 1500             | 500044.869     | 102099.133      | 2.468        |
| S121 | 0.051        | 5.00             | 6.190                 | 1350             | 499956.496     | 102083.393      | 1.575        |
| S103 | 0.118        | 5.00             | 6.073                 | 1350             | 499979.938     | 102091.410      | 1.537        |
| S106 | 0.013        | 5.00             | 6.303                 | 1350             | 500022.989     | 102103.667      | 1.920        |
| S105 | 0.051        | 5.00             | 6.507                 | 1500             | 500042.940     | 102108.534      | 2.335        |
| S124 | 0.016        | 5.00             | 6.800                 | 1500             | 500096.169     | 102121.604      | 2.833        |



### Nodes

| Name | Area<br>(ha) | T of E<br>(mins) | Cover<br>Level<br>(m) | Diameter<br>(mm) | Easting<br>(m) | Northing<br>(m) | Depth<br>(m) |
|------|--------------|------------------|-----------------------|------------------|----------------|-----------------|--------------|
| S125 | 0.041        | 5.00             | 6.747                 | 1500             | 500103.293     | 102114.954      | 2.812        |
| S126 | 0.018        | 5.00             | 5.919                 | 1800             | 500146.197     | 102130.978      | 2.137        |
| S127 |              |                  | 5.488                 | 1500             | 500167.817     | 102132.417      | 1.773        |
| S46  | 0.029        | 5.00             | 5.498                 | 1350             | 500161.299     | 102120.900      | 1.498        |
| S47  | 0.088        | 5.00             | 5.633                 | 1350             | 500185.023     | 102066.804      | 1.528        |
| S128 | 0.021        | 5.00             | 5.343                 | 1800             | 500168.703     | 102104.702      | 1.421        |
| S129 |              |                  | 5.488                 | 1350             | 500182.277     | 102110.812      | 1.773        |
| S87  |              |                  | 5.488                 | 1500             | 500185.086     | 102142.193      | 1.988        |
| S159 |              |                  | 5.849                 | 1200             | 500192.124     | 102149.509      | 2.429        |
| S50  | 0.147        | 5.00             | 5.724                 | 1350             | 500289.773     | 102123.223      | 2.016        |
| S51  | 0.024        | 5.00             | 5.894                 | 1350             | 500252.983     | 102116.010      | 2.295        |
| S49  | 0.024        | 5.00             | 5.743                 | 1350             | 500233.642     | 102099.127      | 2.219        |
| S48  | 0.047        | 5.00             | 5.849                 | 1350             | 500221.885     | 102112.479      | 2.376        |
| S152 | 0.042        | 5.00             | 5.584                 | 1350             | 500203.704     | 102134.631      | 2.193        |
| S88  | 0.183        | 5.00             | 5.761                 | 1500             | 500200.220     | 102152.667      | 2.501        |
| S89  | 0.063        | 5.00             | 5.855                 | 1500             | 500254.155     | 102165.853      | 2.914        |
| S90  | 0.068        | 5.00             | 5.664                 | 1500             | 500284.478     | 102172.039      | 2.931        |
| S156 | 0.057        | 5.00             | 5.392                 | 1350             | 500306.069     | 102159.093      | 1.436        |
| S91  |              |                  | 5.288                 | 1500             | 500301.857     | 102177.178      | 2.730        |
| S157 | 0.062        | 5.00             | 5.259                 | 1800             | 500324.522     | 102193.246      | 3.122        |
| S130 | 0.075        | 5.00             | 5.550                 | 1350             | 500184.311     | 102179.623      | 1.667        |
| S131 | 0.074        | 5.00             | 5.151                 | 1350             | 500176.529     | 102211.982      | 1.371        |
| S132 | 0.020        | 5.00             | 4.991                 | 1350             | 500170.324     | 102230.392      | 1.259        |
| S133 | 0.008        | 5.00             | 5.204                 | 1350             | 500159.373     | 102251.983      | 1.534        |
| S134 | 0.030        | 5.00             | 5.419                 | 1350             | 500155.016     | 102270.087      | 1.797        |
| S135 | 0.008        | 5.00             | 5.607                 | 1350             | 500166.008     | 102285.854      | 2.035        |
| S150 | 0.095        | 5.00             | 5.317                 | 1350             | 500222.625     | 102279.229      | 1.456        |
| S136 |              |                  | 5.694                 | 1800             | 500179.865     | 102286.190      | 2.158        |
| S137 |              |                  | 4.835                 | 1350             | 500182.323     | 102298.925      | 1.325        |
| S141 | 0.120        | 5.00             | 5.677                 | 1350             | 500247.372     | 102193.527      | 1.617        |
| S142 | 0.037        | 5.00             | 5.761                 | 1200             | 500236.203     | 102237.100      | 1.883        |
| S143 | 0.020        | 5.00             | 5.551                 | 1350             | 500236.318     | 102250.962      | 1.734        |
| S144 | 0.078        | 5.00             | 5.103                 | 1350             | 500242.835     | 102276.553      | 1.472        |
| S147 | 0.152        | 5.00             | 5.389                 | 1350             | 500310.745     | 102215.455      | 1.465        |
| S148 |              |                  | 5.072                 | 1350             | 500293.143     | 102262.089      | 1.369        |
| S149 | 0.004        | 5.00             | 4.979                 | 1350             | 500286.785     | 102269.798      | 1.317        |
| S145 |              |                  | 4.876                 | 1800             | 500264.792     | 102273.338      | 1.330        |
| S146 |              |                  | 4.835                 | 1350             | 500267.092     | 102286.151      | 1.325        |
| S138 |              |                  | 4.835                 | 1350             | 500280.445     | 102286.918      | 1.485        |
| S163 |              |                  | 4.989                 | 1350             | 500289.620     | 102282.930      | 1.674        |
| S139 |              |                  | 4.425                 | 1350             | 500319.730     | 102274.862      | 1.435        |
| S140 |              |                  | 4.703                 | 1350             | 500322.292     | 102250.167      | 1.911        |
| S24  |              |                  | 4.998                 | 1500             | 500336.828     | 102209.975      | 2.248        |
| S25  |              |                  | 4.906                 | 1800             | 500342.756     | 102205.408      | 3.266        |
| S26  |              |                  | 3.915                 | 1500             | 500368.008     | 102213.791      | 2.302        |

### Links (Results)

| Name  | Vel<br>(m/s) | Cap<br>(l/s) | Flow<br>(l/s) | US<br>Depth<br>(m) | DS<br>Depth<br>(m) | Σ Area<br>(ha) | Σ Add<br>Inflow<br>(l/s) | Pro<br>Depth<br>(mm) | Pro<br>Velocity<br>(m/s) |
|-------|--------------|--------------|---------------|--------------------|--------------------|----------------|--------------------------|----------------------|--------------------------|
| 1.003 | 1.146        | 81.0         | 15.2          | 0.994              | 0.933              | 0.084          | 0.0                      | 88                   | 0.884                    |
| 1.004 | 1.267        | 89.5         | 17.8          | 0.933              | 1.226              | 0.099          | 0.0                      | 91                   | 0.995                    |
| 1.005 | 2.606        | 184.2        | 18.1          | 1.226              | 1.487              | 0.100          | 0.0                      | 63                   | 1.676                    |
| 5.003 | 1.109        | 78.4         | 17.5          | 1.498              | 1.487              | 0.097          | 0.0                      | 96                   | 0.897                    |
| 1.006 | 1.092        | 236.4        | 72.3          | 1.487              | 1.102              | 0.400          | 0.0                      | 199                  | 0.965                    |
| 7.003 | 1.033        | 73.0         | 16.6          | 1.509              | 1.232              | 0.092          | 0.0                      | 97                   | 0.841                    |
| 7.004 | 1.012        | 71.5         | 16.6          | 1.232              | 1.164              | 0.092          | 0.0                      | 98                   | 0.829                    |
| 1.007 | 1.034        | 292.4        | 119.5         | 1.102              | 1.818              | 0.698          | 0.0                      | 267                  | 0.984                    |



Links (Results)

| Name    | Vel<br>(m/s) | Cap<br>(l/s) | Flow<br>(l/s) | US<br>Depth<br>(m) | DS<br>Depth<br>(m) | Σ Area<br>(ha) | Σ Add<br>Inflow<br>(l/s) | Pro<br>Depth<br>(mm) | Pro<br>Velocity<br>(m/s) |
|---------|--------------|--------------|---------------|--------------------|--------------------|----------------|--------------------------|----------------------|--------------------------|
| 12.005  | 1.064        | 300.9        | 24.2          | 1.845              | 1.057              | 0.134          | 0.0                      | 114                  | 0.649                    |
| 12.006  | 1.028        | 290.5        | 32.9          | 1.057              | 1.005              | 0.182          | 0.0                      | 135                  | 0.691                    |
| 12.007  | 1.037        | 293.2        | 34.5          | 1.005              | 1.221              | 0.191          | 0.0                      | 137                  | 0.704                    |
| 12.008  | 1.034        | 292.3        | 49.2          | 1.221              | 1.818              | 0.285          | 0.0                      | 166                  | 0.777                    |
| 24.003  | 0.988        | 279.4        | 18.2          | 0.990              | 1.014              | 0.100          | 0.0                      | 102                  | 0.566                    |
| 24.004  | 1.051        | 297.1        | 31.0          | 1.014              | 1.365              | 0.171          | 0.0                      | 130                  | 0.691                    |
| 24.005  | 1.039        | 293.7        | 31.0          | 1.365              | 1.818              | 0.171          | 0.0                      | 130                  | 0.685                    |
| 1.008   | 1.186        | 523.9        | 199.8         | 1.818              | 1.922              | 1.200          | 0.0                      | 320                  | 1.109                    |
| 1.009   | 1.192        | 526.8        | 206.0         | 1.922              | 1.747              | 1.251          | 0.0                      | 325                  | 1.122                    |
| 1.010   | 1.136        | 501.8        | 218.9         | 1.747              | 0.971              | 1.408          | 0.0                      | 346                  | 1.099                    |
| 45.003  | 1.175        | 129.8        | 11.6          | 0.980              | 1.148              | 0.064          | 0.0                      | 75                   | 0.735                    |
| 45.004  | 1.037        | 114.6        | 17.3          | 1.148              | 1.251              | 0.096          | 0.0                      | 98                   | 0.754                    |
| 43.005  | 1.040        | 114.9        | 25.3          | 1.251              | 1.136              | 0.140          | 0.0                      | 119                  | 0.840                    |
| 43.006  | 1.043        | 115.2        | 42.1          | 1.136              | 1.062              | 0.233          | 0.0                      | 156                  | 0.964                    |
| 1.011   | 1.378        | 608.6        | 252.5         | 0.971              | 1.052              | 1.641          | 0.0                      | 336                  | 1.316                    |
| 1.012   | 1.651        | 729.2        | 246.2         | 1.052              | 1.202              | 1.641          | 0.0                      | 299                  | 1.497                    |
| 61.003  | 1.927        | 136.2        | 15.3          | 1.190              | 1.200              | 0.085          | 0.0                      | 68                   | 1.290                    |
| 61.004  | 1.365        | 96.5         | 31.4          | 1.200              | 1.085              | 0.174          | 0.0                      | 117                  | 1.224                    |
| 66.003  | 1.006        | 40.0         | 9.9           | 1.143              | 1.085              | 0.055          | 0.0                      | 76                   | 0.836                    |
| 61.005  | 2.367        | 376.5        | 47.9          | 1.085              | 1.352              | 0.265          | 0.0                      | 108                  | 1.647                    |
| 61.006  | 1.343        | 213.6        | 47.9          | 1.352              | 1.502              | 0.265          | 0.0                      | 144                  | 1.089                    |
| 1.013   | 2.509        | 1108.5       | 286.6         | 1.202              | 1.367              | 1.920          | 0.0                      | 259                  | 2.124                    |
| 1.014   | 1.165        | 514.8        | 286.7         | 1.367              | 1.183              | 1.936          | 0.0                      | 400                  | 1.195                    |
| 71.003  | 1.013        | 71.6         | 40.1          | 1.583              | 1.365              | 0.222          | 0.0                      | 161                  | 1.041                    |
| 71.004  | 1.010        | 71.4         | 40.1          | 1.365              | 1.183              | 0.222          | 0.0                      | 161                  | 1.038                    |
| 75.004  | 1.078        | 171.4        | 17.6          | 0.972              | 1.183              | 0.097          | 0.0                      | 96                   | 0.702                    |
| 1.015   | 1.313        | 580.2        | 334.0         | 1.183              | 1.528              | 2.350          | 0.0                      | 408                  | 1.357                    |
| 77.003  | 1.026        | 163.1        | 35.2          | 1.066              | 1.077              | 0.195          | 0.0                      | 141                  | 0.824                    |
| 77.004  | 1.011        | 160.8        | 35.2          | 1.077              | 1.475              | 0.195          | 0.0                      | 142                  | 0.815                    |
| 77.005  | 1.039        | 165.2        | 51.9          | 1.475              | 1.415              | 0.296          | 0.0                      | 173                  | 0.923                    |
| 77.006  | 1.029        | 163.7        | 53.0          | 1.415              | 1.179              | 0.308          | 0.0                      | 175                  | 0.922                    |
| 77.007  | 1.009        | 160.4        | 63.1          | 1.179              | 1.205              | 0.384          | 0.0                      | 196                  | 0.950                    |
| 77.008  | 1.056        | 167.9        | 71.1          | 1.205              | 1.746              | 0.449          | 0.0                      | 204                  | 1.014                    |
| 77.009  | 1.031        | 163.9        | 76.0          | 1.746              | 1.528              | 0.492          | 0.0                      | 215                  | 1.011                    |
| 1.016   | 1.660        | 733.4        | 408.9         | 1.528              | 1.235              | 2.939          | 0.0                      | 401                  | 1.703                    |
| 1.017   | 1.994        | 880.8        | 407.8         | 1.235              | 1.135              | 2.959          | 0.0                      | 359                  | 1.958                    |
| 91.003  | 1.010        | 71.4         | 9.6           | 1.312              | 1.381              | 0.053          | 0.0                      | 74                   | 0.711                    |
| 91.004  | 1.010        | 71.4         | 20.8          | 1.381              | 1.533              | 0.115          | 0.0                      | 110                  | 0.878                    |
| 91.005  | 1.001        | 70.7         | 24.6          | 1.533              | 1.444              | 0.136          | 0.0                      | 122                  | 0.912                    |
| 91.006  | 1.013        | 71.6         | 36.6          | 1.444              | 1.135              | 0.203          | 0.0                      | 152                  | 1.018                    |
| 100.004 | 1.164        | 185.1        | 5.9           | 1.155              | 1.060              | 0.033          | 0.0                      | 54                   | 0.537                    |
| 1.018   | 1.006        | 444.6        | 443.6         | 1.135              | 1.477              | 3.333          | 0.0                      | 619                  | 1.137                    |
| 1.019   | 1.179        | 520.8        | 435.2         | 1.477              | 1.602              | 3.333          | 0.0                      | 527                  | 1.311                    |
| 106.004 | 2.867        | 202.6        | 0.0           | 1.159              | 1.548              | 0.000          | 0.0                      | 0                    | 0.000                    |
| 1.020   | 1.227        | 542.0        | 429.3         | 1.602              | 1.581              | 3.333          | 0.0                      | 506                  | 1.353                    |
| 108.003 | 1.077        | 171.4        | 20.1          | 0.830              | 0.908              | 0.111          | 0.0                      | 103                  | 0.730                    |
| 108.004 | 1.017        | 161.7        | 20.1          | 0.908              | 1.059              | 0.111          | 0.0                      | 106                  | 0.699                    |
| 108.005 | 1.011        | 160.7        | 20.8          | 1.059              | 1.442              | 0.115          | 0.0                      | 109                  | 0.704                    |
| 108.006 | 1.010        | 160.7        | 32.2          | 1.442              | 1.287              | 0.179          | 0.0                      | 136                  | 0.795                    |
| 108.007 | 1.005        | 159.8        | 35.0          | 1.287              | 1.261              | 0.200          | 0.0                      | 142                  | 0.809                    |
| 108.008 | 1.008        | 160.3        | 34.7          | 1.261              | 1.272              | 0.200          | 0.0                      | 142                  | 0.812                    |
| 115.003 | 1.143        | 80.8         | 1.7           | 1.400              | 1.272              | 0.010          | 0.0                      | 30                   | 0.466                    |
| 108.009 | 1.130        | 179.7        | 51.0          | 1.272              | 1.281              | 0.298          | 0.0                      | 163                  | 0.977                    |
| 108.010 | 2.894        | 626.4        | 50.9          | 1.281              | 1.386              | 0.298          | 0.0                      | 100                  | 1.771                    |
| 108.011 | 1.062        | 229.9        | 50.0          | 1.386              | 1.114              | 0.298          | 0.0                      | 165                  | 0.856                    |
| 108.012 | 1.129        | 244.3        | 49.1          | 1.114              | 1.527              | 0.298          | 0.0                      | 159                  | 0.890                    |
| 1.021   | 1.163        | 513.6        | 463.8         | 1.581              | 1.434              | 3.630          | 0.0                      | 561                  | 1.307                    |
| 118.000 | 1.017        | 71.9         | 17.2          | 1.144              | 1.370              | 0.095          | 0.0                      | 99                   | 0.838                    |
| 118.001 | 1.006        | 71.1         | 33.0          | 1.370              | 1.566              | 0.183          | 0.0                      | 143                  | 0.987                    |



Links (Results)

| Name    | Vel<br>(m/s) | Cap<br>(l/s) | Flow<br>(l/s) | US<br>Depth<br>(m) | DS<br>Depth<br>(m) | Σ Area<br>(ha) | Σ Add<br>Inflow<br>(l/s) | Pro<br>Depth<br>(mm) | Pro<br>Velocity<br>(m/s) |
|---------|--------------|--------------|---------------|--------------------|--------------------|----------------|--------------------------|----------------------|--------------------------|
| 117.004 | 1.011        | 71.4         | 36.1          | 1.566              | 1.380              | 0.200          | 0.0                      | 151                  | 1.013                    |
| 1.022   | 1.181        | 521.8        | 484.1         | 1.434              | 1.202              | 3.830          | 0.0                      | 575                  | 1.331                    |
| 1.023   | 1.183        | 522.8        | 480.0         | 1.202              | 0.806              | 3.830          | 0.0                      | 570                  | 1.333                    |
| 1.024   | 1.388        | 613.1        | 470.1         | 0.806              | 0.906              | 3.830          | 0.0                      | 495                  | 1.522                    |
| 1.025   | 7.598        | 3356.8       | 469.5         | 0.906              | 2.509              | 3.830          | 0.0                      | 187                  | 5.442                    |
| 1.026   | 2.219        | 980.2        | 467.9         | 2.509              | 2.372              | 3.830          | 0.0                      | 365                  | 2.195                    |
| 121.000 | 1.085        | 306.7        | 0.0           | 0.033              | 0.090              | 0.000          | 0.0                      | 0                    | 0.000                    |
| 121.001 | 1.081        | 305.7        | 0.0           | 0.090              | 0.034              | 0.000          | 0.0                      | 0                    | 0.000                    |
| 121.002 | 1.082        | 306.1        | 0.0           | 0.034              | 0.060              | 0.000          | 0.0                      | 0                    | 0.000                    |
| 122.003 | 1.020        | 112.6        | 11.4          | 0.903              | 0.957              | 0.063          | 0.0                      | 80                   | 0.662                    |
| 122.004 | 1.085        | 119.8        | 12.8          | 0.957              | 1.229              | 0.071          | 0.0                      | 82                   | 0.716                    |
| 122.005 | 1.032        | 114.0        | 12.8          | 1.229              | 1.270              | 0.071          | 0.0                      | 85                   | 0.691                    |
| 122.006 | 1.041        | 115.0        | 19.7          | 1.270              | 1.185              | 0.109          | 0.0                      | 104                  | 0.784                    |
| 122.007 | 1.039        | 114.7        | 23.8          | 1.185              | 1.049              | 0.132          | 0.0                      | 115                  | 0.825                    |
| 122.008 | 1.045        | 115.4        | 36.5          | 1.049              | 0.933              | 0.202          | 0.0                      | 145                  | 0.930                    |
| 122.009 | 1.039        | 114.7        | 36.5          | 0.933              | 0.285              | 0.202          | 0.0                      | 145                  | 0.928                    |
| 121.003 | 1.415        | 400.2        | 31.1          | 0.060              | 0.009              | 0.202          | 0.0                      | 112                  | 0.855                    |
| 130.004 | 1.012        | 160.9        | 12.0          | 1.073              | 1.358              | 0.067          | 0.0                      | 82                   | 0.601                    |
| 130.005 | 1.008        | 160.3        | 30.7          | 1.358              | 1.084              | 0.170          | 0.0                      | 132                  | 0.782                    |
| 138.003 | 1.024        | 40.7         | 8.1           | 0.885              | 1.084              | 0.045          | 0.0                      | 68                   | 0.804                    |
| 130.006 | 2.590        | 412.0        | 38.8          | 1.084              | 0.159              | 0.215          | 0.0                      | 93                   | 1.657                    |
| 121.004 | 1.082        | 305.9        | 62.3          | 0.009              | 0.040              | 0.417          | 0.0                      | 183                  | 0.857                    |
| 121.005 | 1.082        | 306.0        | 55.6          | 0.040              | 0.185              | 0.417          | 0.0                      | 172                  | 0.831                    |
| 121.006 | 1.664        | 470.5        | 54.7          | 0.185              | 1.259              | 0.417          | 0.0                      | 137                  | 1.129                    |
| 121.007 | 2.623        | 417.2        | 54.2          | 1.409              | 1.323              | 0.417          | 0.0                      | 109                  | 1.833                    |
| 121.008 | 1.687        | 268.3        | 53.7          | 1.323              | 1.463              | 0.417          | 0.0                      | 136                  | 1.329                    |
| 145.004 | 1.195        | 258.7        | 21.5          | 1.172              | 1.048              | 0.119          | 0.0                      | 101                  | 0.735                    |
| 145.005 | 1.190        | 257.6        | 27.7          | 1.048              | 1.261              | 0.153          | 0.0                      | 115                  | 0.788                    |
| 152.004 | 1.082        | 43.0         | 16.9          | 1.279              | 1.289              | 0.093          | 0.0                      | 98                   | 1.019                    |
| 145.006 | 1.187        | 257.0        | 61.9          | 1.261              | 1.389              | 0.343          | 0.0                      | 175                  | 0.984                    |
| 145.007 | 1.190        | 257.6        | 67.0          | 1.389              | 1.224              | 0.371          | 0.0                      | 182                  | 1.006                    |
| 145.008 | 1.191        | 257.8        | 93.3          | 1.224              | 1.263              | 0.523          | 0.0                      | 218                  | 1.098                    |
| 145.009 | 1.190        | 257.6        | 101.7         | 1.263              | 1.509              | 0.596          | 0.0                      | 229                  | 1.123                    |
| 145.010 | 1.178        | 255.0        | 107.7         | 1.510              | 1.840              | 0.647          | 0.0                      | 238                  | 1.130                    |
| 145.011 | 1.577        | 341.5        | 122.5         | 1.840              | 1.943              | 0.748          | 0.0                      | 217                  | 1.452                    |
| 145.012 | 1.580        | 342.1        | 121.7         | 1.943              | 1.810              | 0.748          | 0.0                      | 216                  | 1.451                    |
| 191.003 | 1.018        | 112.4        | 9.3           | 1.200              | 1.162              | 0.051          | 0.0                      | 72                   | 0.621                    |
| 187.005 | 1.054        | 116.4        | 30.6          | 1.162              | 1.545              | 0.169          | 0.0                      | 131                  | 0.893                    |
| 187.006 | 0.982        | 108.4        | 33.0          | 1.545              | 1.810              | 0.183          | 0.0                      | 142                  | 0.865                    |
| 145.013 | 1.365        | 295.4        | 153.5         | 1.810              | 2.308              | 0.982          | 0.0                      | 268                  | 1.377                    |
| 145.014 | 1.278        | 276.6        | 154.9         | 2.308              | 2.287              | 0.998          | 0.0                      | 281                  | 1.313                    |
| 145.015 | 1.289        | 279.1        | 155.8         | 2.287              | 1.612              | 1.039          | 0.0                      | 281                  | 1.323                    |
| 145.016 | 1.240        | 268.4        | 156.0         | 1.612              | 1.248              | 1.057          | 0.0                      | 288                  | 1.284                    |
| 145.017 | 2.332        | 504.8        | 154.9         | 1.248              | 1.463              | 1.057          | 0.0                      | 199                  | 2.061                    |
| 195.003 | 1.036        | 73.2         | 5.2           | 1.198              | 1.121              | 0.029          | 0.0                      | 54                   | 0.604                    |
| 201.000 | 1.043        | 73.7         | 15.9          | 1.228              | 1.121              | 0.088          | 0.0                      | 95                   | 0.838                    |
| 195.004 | 1.856        | 131.2        | 24.9          | 1.121              | 1.473              | 0.138          | 0.0                      | 88                   | 1.439                    |
| 195.005 | 1.296        | 91.6         | 24.9          | 1.473              | 1.688              | 0.138          | 0.0                      | 106                  | 1.107                    |
| 121.009 | 1.987        | 430.1        | 206.8         | 1.463              | 1.904              | 1.611          | 0.0                      | 257                  | 1.969                    |
| 121.010 | 2.010        | 319.7        | 206.2         | 1.979              | 1.976              | 1.611          | 0.0                      | 263                  | 2.130                    |
| 202.004 | 1.090        | 173.4        | 26.6          | 1.566              | 1.845              | 0.147          | 0.0                      | 118                  | 0.797                    |
| 202.005 | 1.093        | 173.8        | 30.9          | 1.845              | 1.769              | 0.171          | 0.0                      | 128                  | 0.833                    |
| 202.006 | 1.083        | 172.2        | 35.2          | 1.769              | 1.926              | 0.195          | 0.0                      | 138                  | 0.858                    |
| 202.007 | 1.082        | 172.0        | 43.6          | 1.926              | 1.743              | 0.241          | 0.0                      | 154                  | 0.909                    |
| 202.008 | 1.117        | 177.6        | 51.2          | 1.743              | 1.976              | 0.283          | 0.0                      | 165                  | 0.970                    |
| 121.011 | 1.694        | 366.8        | 259.6         | 1.976              | 2.389              | 2.078          | 0.0                      | 327                  | 1.830                    |
| 121.012 | 1.834        | 397.0        | 264.1         | 2.389              | 2.406              | 2.140          | 0.0                      | 314                  | 1.957                    |
| 121.013 | 2.201        | 476.4        | 271.0         | 2.406              | 2.205              | 2.209          | 0.0                      | 284                  | 2.267                    |
| 224.004 | 3.258        | 129.5        | 10.3          | 1.211              | 2.247              | 0.057          | 0.0                      | 43                   | 1.966                    |



Links (Results)

| Name    | Vel<br>(m/s) | Cap<br>(l/s) | Flow<br>(l/s) | US<br>Depth<br>(m) | DS<br>Depth<br>(m) | Σ Area<br>(ha) | Σ Add<br>Inflow<br>(l/s) | Pro<br>Depth<br>(mm) | Pro<br>Velocity<br>(m/s) |
|---------|--------------|--------------|---------------|--------------------|--------------------|----------------|--------------------------|----------------------|--------------------------|
| 121.014 | 1.603        | 347.0        | 274.7         | 2.205              | 2.319              | 2.266          | 0.0                      | 354                  | 1.769                    |
| 1.027   | 2.652        | 1171.7       | 742.4         | 2.372              | 2.216              | 6.158          | 0.0                      | 435                  | 2.799                    |
| 226.005 | 1.125        | 179.0        | 13.5          | 1.217              | 0.921              | 0.075          | 0.0                      | 83                   | 0.673                    |
| 226.006 | 1.004        | 159.7        | 26.9          | 0.921              | 0.809              | 0.149          | 0.0                      | 124                  | 0.754                    |
| 226.007 | 1.023        | 162.6        | 30.5          | 0.809              | 1.084              | 0.169          | 0.0                      | 131                  | 0.791                    |
| 226.008 | 1.026        | 163.2        | 32.0          | 1.084              | 1.347              | 0.177          | 0.0                      | 134                  | 0.802                    |
| 226.009 | 1.031        | 163.9        | 37.5          | 1.347              | 1.585              | 0.207          | 0.0                      | 145                  | 0.841                    |
| 226.010 | 1.030        | 163.8        | 38.7          | 1.585              | 1.708              | 0.215          | 0.0                      | 148                  | 0.848                    |
| 241.005 | 1.000        | 70.7         | 17.2          | 1.156              | 1.710              | 0.095          | 0.0                      | 100                  | 0.829                    |
| 226.011 | 0.903        | 143.7        | 55.0          | 1.708              | 0.875              | 0.311          | 0.0                      | 193                  | 0.845                    |
| 226.012 | 0.810        | 128.9        | 48.4          | 0.875              | 1.035              | 0.311          | 0.0                      | 191                  | 0.755                    |
| 249.005 | 0.995        | 70.4         | 21.6          | 1.317              | 1.583              | 0.120          | 0.0                      | 114                  | 0.879                    |
| 249.006 | 1.039        | 73.4         | 28.2          | 1.583              | 1.434              | 0.156          | 0.0                      | 129                  | 0.971                    |
| 249.007 | 1.010        | 71.4         | 31.9          | 1.434              | 1.096              | 0.177          | 0.0                      | 140                  | 0.982                    |
| 249.008 | 1.116        | 123.3        | 46.1          | 1.097              | 0.955              | 0.255          | 0.0                      | 159                  | 1.038                    |
| 260.007 | 1.043        | 73.7         | 27.4          | 1.165              | 1.069              | 0.152          | 0.0                      | 126                  | 0.967                    |
| 260.008 | 1.002        | 70.9         | 27.4          | 1.069              | 1.017              | 0.152          | 0.0                      | 129                  | 0.940                    |
| 260.009 | 0.913        | 64.5         | 28.2          | 1.017              | 0.990              | 0.156          | 0.0                      | 139                  | 0.883                    |
| 249.009 | 0.947        | 104.6        | 74.3          | 0.955              | 0.950              | 0.411          | 0.0                      | 234                  | 1.024                    |
| 249.010 | 1.442        | 159.2        | 73.6          | 0.950              | 1.035              | 0.411          | 0.0                      | 179                  | 1.415                    |
| 226.013 | 1.197        | 190.4        | 111.6         | 1.035              | 1.224              | 0.722          | 0.0                      | 248                  | 1.243                    |
| 226.014 | 1.819        | 289.3        | 109.8         | 1.224              | 0.910              | 0.722          | 0.0                      | 192                  | 1.700                    |
| 226.015 | 1.999        | 432.7        | 108.5         | 0.910              | 1.386              | 0.722          | 0.0                      | 178                  | 1.675                    |
| 226.016 | 0.694        | 150.2        | 102.7         | 1.386              | 1.723              | 0.722          | 0.0                      | 320                  | 0.745                    |
| 226.017 | 6.285        | 1360.6       | 102.6         | 1.723              | 2.216              | 0.722          | 0.0                      | 96                   | 3.771                    |
| 1.028   | 1.089        | 943.0        | 815.4         | 2.216              | 1.252              | 6.880          | 0.0                      | 759                  | 1.217                    |