

| Odyssey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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19-156 |                        |                 |  |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| White Hart Lane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| <p>Summary of Results for 100 year Return Period (+40%)</p> <p>Half Drain Time : 1013 minutes.</p> <table><thead><tr><th>Storm Event</th><th>Max Level (m)</th><th>Max Depth (m)</th><th>Max Infiltration (l/s)</th><th>Max Volume (m³)</th><th>Status</th></tr></thead><tbody><tr><td>15 min Summer</td><td>0.209</td><td>0.209</td><td>0.1</td><td>3.2</td><td>O K</td></tr><tr><td>30 min Summer</td><td>0.257</td><td>0.257</td><td>0.1</td><td>4.4</td><td>Flood Risk</td></tr><tr><td>60 min Summer</td><td>0.309</td><td>0.309</td><td>0.1</td><td>5.8</td><td>Flood Risk</td></tr><tr><td>120 min Summer</td><td>0.348</td><td>0.348</td><td>0.1</td><td>6.8</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>0.370</td><td>0.370</td><td>0.1</td><td>7.3</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>0.383</td><td>0.383</td><td>0.1</td><td>7.6</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>0.394</td><td>0.394</td><td>0.1</td><td>7.9</td><td>Flood Risk</td></tr><tr><td>480 min Summer</td><td>0.397</td><td>0.397</td><td>0.1</td><td>8.0</td><td>Flood Risk</td></tr><tr><td>600 min Summer</td><td>0.396</td><td>0.396</td><td>0.1</td><td>8.0</td><td>Flood Risk</td></tr><tr><td>720 min Summer</td><td>0.392</td><td>0.392</td><td>0.1</td><td>7.9</td><td>Flood Risk</td></tr><tr><td>960 min Summer</td><td>0.383</td><td>0.383</td><td>0.1</td><td>7.6</td><td>Flood Risk</td></tr><tr><td>1440 min Summer</td><td>0.365</td><td>0.365</td><td>0.1</td><td>7.2</td><td>Flood Risk</td></tr><tr><td>2160 min Summer</td><td>0.342</td><td>0.342</td><td>0.1</td><td>6.6</td><td>Flood Risk</td></tr><tr><td>2880 min Summer</td><td>0.322</td><td>0.322</td><td>0.1</td><td>6.1</td><td>Flood Risk</td></tr><tr><td>4320 min Summer</td><td>0.290</td><td>0.290</td><td>0.1</td><td>5.3</td><td>Flood Risk</td></tr><tr><td>5760 min Summer</td><td>0.265</td><td>0.265</td><td>0.1</td><td>4.6</td><td>Flood Risk</td></tr><tr><td>7200 min Summer</td><td>0.244</td><td>0.244</td><td>0.1</td><td>4.1</td><td>Flood Risk</td></tr><tr><td>8640 min Summer</td><td>0.228</td><td>0.228</td><td>0.1</td><td>3.7</td><td>Flood Risk</td></tr><tr><td>10080 min Summer</td><td>0.214</td><td>0.214</td><td>0.1</td><td>3.4</td><td>Flood Risk</td></tr><tr><td>15 min Winter</td><td>0.226</td><td>0.226</td><td>0.1</td><td>3.7</td><td>Flood Risk</td></tr></tbody></table><br><table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>141.164</td><td>0.0</td><td>19</td></tr><tr><td>30 min Summer</td><td>94.700</td><td>0.0</td><td>34</td></tr><tr><td>60 min Summer</td><td>60.903</td><td>0.0</td><td>64</td></tr><tr><td>120 min Summer</td><td>36.128</td><td>0.0</td><td>124</td></tr><tr><td>180 min Summer</td><td>26.473</td><td>0.0</td><td>182</td></tr><tr><td>240 min Summer</td><td>21.126</td><td>0.0</td><td>242</td></tr><tr><td>360 min Summer</td><td>15.214</td><td>0.0</td><td>362</td></tr><tr><td>480 min Summer</td><td>12.016</td><td>0.0</td><td>482</td></tr><tr><td>600 min Summer</td><td>9.993</td><td>0.0</td><td>600</td></tr><tr><td>720 min Summer</td><td>8.590</td><td>0.0</td><td>720</td></tr><tr><td>960 min Summer</td><td>6.756</td><td>0.0</td><td>826</td></tr><tr><td>1440 min Summer</td><td>4.823</td><td>0.0</td><td>1066</td></tr><tr><td>2160 min Summer</td><td>3.462</td><td>0.0</td><td>1468</td></tr><tr><td>2880 min Summer</td><td>2.754</td><td>0.0</td><td>1872</td></tr><tr><td>4320 min Summer</td><td>2.025</td><td>0.0</td><td>2680</td></tr><tr><td>5760 min Summer</td><td>1.648</td><td>0.0</td><td>3456</td></tr><tr><td>7200 min Summer</td><td>1.419</td><td>0.0</td><td>4184</td></tr><tr><td>8640 min Summer</td><td>1.264</td><td>0.0</td><td>4936</td></tr><tr><td>10080 min Summer</td><td>1.153</td><td>0.0</td><td>5656</td></tr><tr><td>15 min Winter</td><td>141.164</td><td>0.0</td><td>19</td></tr></tbody></table> |               |                               |                        |                 |                                                                                     | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 0.209 | 0.209 | 0.1 | 3.2 | O K | 30 min Summer | 0.257 | 0.257 | 0.1 | 4.4 | Flood Risk | 60 min Summer | 0.309 | 0.309 | 0.1 | 5.8 | Flood Risk | 120 min Summer | 0.348 | 0.348 | 0.1 | 6.8 | Flood Risk | 180 min Summer | 0.370 | 0.370 | 0.1 | 7.3 | Flood Risk | 240 min Summer | 0.383 | 0.383 | 0.1 | 7.6 | Flood Risk | 360 min Summer | 0.394 | 0.394 | 0.1 | 7.9 | Flood Risk | 480 min Summer | 0.397 | 0.397 | 0.1 | 8.0 | Flood Risk | 600 min Summer | 0.396 | 0.396 | 0.1 | 8.0 | Flood Risk | 720 min Summer | 0.392 | 0.392 | 0.1 | 7.9 | Flood Risk | 960 min Summer | 0.383 | 0.383 | 0.1 | 7.6 | Flood Risk | 1440 min Summer | 0.365 | 0.365 | 0.1 | 7.2 | Flood Risk | 2160 min Summer | 0.342 | 0.342 | 0.1 | 6.6 | Flood Risk | 2880 min Summer | 0.322 | 0.322 | 0.1 | 6.1 | Flood Risk | 4320 min Summer | 0.290 | 0.290 | 0.1 | 5.3 | Flood Risk | 5760 min Summer | 0.265 | 0.265 | 0.1 | 4.6 | Flood Risk | 7200 min Summer | 0.244 | 0.244 | 0.1 | 4.1 | Flood Risk | 8640 min Summer | 0.228 | 0.228 | 0.1 | 3.7 | Flood Risk | 10080 min Summer | 0.214 | 0.214 | 0.1 | 3.4 | Flood Risk | 15 min Winter | 0.226 | 0.226 | 0.1 | 3.7 | Flood Risk | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 141.164 | 0.0 | 19 | 30 min Summer | 94.700 | 0.0 | 34 | 60 min Summer | 60.903 | 0.0 | 64 | 120 min Summer | 36.128 | 0.0 | 124 | 180 min Summer | 26.473 | 0.0 | 182 | 240 min Summer | 21.126 | 0.0 | 242 | 360 min Summer | 15.214 | 0.0 | 362 | 480 min Summer | 12.016 | 0.0 | 482 | 600 min Summer | 9.993 | 0.0 | 600 | 720 min Summer | 8.590 | 0.0 | 720 | 960 min Summer | 6.756 | 0.0 | 826 | 1440 min Summer | 4.823 | 0.0 | 1066 | 2160 min Summer | 3.462 | 0.0 | 1468 | 2880 min Summer | 2.754 | 0.0 | 1872 | 4320 min Summer | 2.025 | 0.0 | 2680 | 5760 min Summer | 1.648 | 0.0 | 3456 | 7200 min Summer | 1.419 | 0.0 | 4184 | 8640 min Summer | 1.264 | 0.0 | 4936 | 10080 min Summer | 1.153 | 0.0 | 5656 | 15 min Winter | 141.164 | 0.0 | 19 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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Volume (m³) | Status                                                                              |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.209         | 0.209                         | 0.1                    | 3.2             | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.257         | 0.257                         | 0.1                    | 4.4             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.309         | 0.309                         | 0.1                    | 5.8             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.348         | 0.348                         | 0.1                    | 6.8             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.370         | 0.370                         | 0.1                    | 7.3             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.383         | 0.383                         | 0.1                    | 7.6             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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       | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.397         | 0.397                         | 0.1                    | 8.0             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.396         | 0.396                         | 0.1                    | 8.0             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.392         | 0.392                         | 0.1                    | 7.9             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.383         | 0.383                         | 0.1                    | 7.6             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.365         | 0.365                         | 0.1                    | 7.2             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.342         | 0.342                         | 0.1                    | 6.6             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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       | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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       | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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       | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.244         | 0.244                         | 0.1                    | 4.1             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.228         | 0.228                         | 0.1                    | 3.7             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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       | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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       | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Rain (mm/hr)  | Flooded Volume (m³)           | Time-Peak (mins)       |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 26.473        | 0.0                           | 182                    |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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       |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |    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 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.264         | 0.0                           | 4936                   |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.153         | 0.0                           | 5656                   |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 141.164       | 0.0                           | 19                     |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |     |     |               |       |       |     |     |            |               |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
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             |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                 |       |       |     |     |            |                  |       |       |     |     |            |               |       |       |     |     |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |

|                                                             |               |                               |                        |                 |                                                                                     |
|-------------------------------------------------------------|---------------|-------------------------------|------------------------|-----------------|-------------------------------------------------------------------------------------|
| Odyssey                                                     |               |                               |                        | Page 2          |                                                                                     |
| Tuscany House                                               |               | Stakers Farm, Yapton - 19-156 |                        |                 |  |
| White Hart Lane                                             |               | Road 1_Rev_B                  |                        |                 |                                                                                     |
| Baskingstoke RG21 4AF                                       |               | Chainage 44-100, Every 14m    |                        |                 |                                                                                     |
| Date 10/12/2020 12:34                                       |               | Designed by AK                |                        |                 |                                                                                     |
| File Road 1_Rev_B_chainage                                  |               | Checked by                    |                        |                 |                                                                                     |
| XP Solutions                                                |               | Source Control 2020.1         |                        |                 |                                                                                     |
| <u>Summary of Results for 100 year Return Period (+40%)</u> |               |                               |                        |                 |                                                                                     |
| Storm Event                                                 | Max Level (m) | Max Depth (m)                 | Max Infiltration (l/s) | Max Volume (m³) | Status                                                                              |
| 30 min Winter                                               | 0.281         | 0.281                         | 0.1                    | 5.0             | Flood Risk                                                                          |
| 60 min Winter                                               | 0.340         | 0.340                         | 0.1                    | 6.5             | Flood Risk                                                                          |
| 120 min Winter                                              | 0.384         | 0.384                         | 0.1                    | 7.7             | Flood Risk                                                                          |
| 180 min Winter                                              | 0.409         | 0.409                         | 0.1                    | 8.3             | Flood Risk                                                                          |
| 240 min Winter                                              | 0.424         | 0.424                         | 0.1                    | 8.7             | Flood Risk                                                                          |
| 360 min Winter                                              | 0.439         | 0.439                         | 0.1                    | 9.0             | Flood Risk                                                                          |
| 480 min Winter                                              | 0.444         | 0.444                         | 0.1                    | 9.2             | Flood Risk                                                                          |
| 600 min Winter                                              | 0.445         | 0.445                         | 0.1                    | 9.2             | Flood Risk                                                                          |
| 720 min Winter                                              | 0.443         | 0.443                         | 0.1                    | 9.1             | Flood Risk                                                                          |
| 960 min Winter                                              | 0.433         | 0.433                         | 0.1                    | 8.9             | Flood Risk                                                                          |
| 1440 min Winter                                             | 0.409         | 0.409                         | 0.1                    | 8.3             | Flood Risk                                                                          |
| 2160 min Winter                                             | 0.379         | 0.379                         | 0.1                    | 7.5             | Flood Risk                                                                          |
| 2880 min Winter                                             | 0.349         | 0.349                         | 0.1                    | 6.8             | Flood Risk                                                                          |
| 4320 min Winter                                             | 0.299         | 0.299                         | 0.1                    | 5.5             | Flood Risk                                                                          |
| 5760 min Winter                                             | 0.258         | 0.258                         | 0.1                    | 4.5             | Flood Risk                                                                          |
| 7200 min Winter                                             | 0.225         | 0.225                         | 0.1                    | 3.6             | Flood Risk                                                                          |
| 8640 min Winter                                             | 0.198         | 0.198                         | 0.1                    | 3.0             | O K                                                                                 |
| 10080 min Winter                                            | 0.178         | 0.178                         | 0.1                    | 2.5             | O K                                                                                 |
| Storm Event                                                 | Rain (mm/hr)  | Flooded Volume (m³)           | Time-Peak (mins)       |                 |                                                                                     |
| 30 min Winter                                               | 94.700        | 0.0                           | 33                     |                 |                                                                                     |
| 60 min Winter                                               | 60.903        | 0.0                           | 62                     |                 |                                                                                     |
| 120 min Winter                                              | 36.128        | 0.0                           | 122                    |                 |                                                                                     |
| 180 min Winter                                              | 26.473        | 0.0                           | 180                    |                 |                                                                                     |
| 240 min Winter                                              | 21.126        | 0.0                           | 238                    |                 |                                                                                     |
| 360 min Winter                                              | 15.214        | 0.0                           | 356                    |                 |                                                                                     |
| 480 min Winter                                              | 12.016        | 0.0                           | 470                    |                 |                                                                                     |
| 600 min Winter                                              | 9.993         | 0.0                           | 584                    |                 |                                                                                     |
| 720 min Winter                                              | 8.590         | 0.0                           | 694                    |                 |                                                                                     |
| 960 min Winter                                              | 6.756         | 0.0                           | 912                    |                 |                                                                                     |
| 1440 min Winter                                             | 4.823         | 0.0                           | 1140                   |                 |                                                                                     |
| 2160 min Winter                                             | 3.462         | 0.0                           | 1596                   |                 |                                                                                     |
| 2880 min Winter                                             | 2.754         | 0.0                           | 2044                   |                 |                                                                                     |
| 4320 min Winter                                             | 2.025         | 0.0                           | 2892                   |                 |                                                                                     |
| 5760 min Winter                                             | 1.648         | 0.0                           | 3688                   |                 |                                                                                     |
| 7200 min Winter                                             | 1.419         | 0.0                           | 4400                   |                 |                                                                                     |
| 8640 min Winter                                             | 1.264         | 0.0                           | 5104                   |                 |                                                                                     |
| 10080 min Winter                                            | 1.153         | 0.0                           | 5752                   |                 |                                                                                     |
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|                                                           |                                                                             |                                                                                     |
|-----------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Odyssey                                                   |                                                                             | Page 3                                                                              |
| Tuscany House<br>White Hart Lane<br>Baskingstoke RG21 4AF | Stakers Farm, Yapton - 19-156<br>Road 1_Rev_B<br>Chainage 44-100, Every 14m |  |
| Date 10/12/2020 12:34<br>File Road 1_Rev_B_chainage       | Designed by AK<br>Checked by                                                |                                                                                     |
| XP Solutions Source Control 2020.1                        |                                                                             |                                                                                     |

Rainfall Details

|                       |                                 |
|-----------------------|---------------------------------|
| Rainfall Model        | FEH                             |
| Return Period (years) | 100                             |
| FEH Rainfall Version  | 2013                            |
| Site Location         | GB 497682 103581 SU 97682 03581 |
| Data Type             | Point                           |
| Summer Storms         | Yes                             |
| Winter Storms         | Yes                             |
| Cv (Summer)           | 0.750                           |
| Cv (Winter)           | 0.840                           |
| Shortest Storm (mins) | 15                              |
| Longest Storm (mins)  | 10080                           |
| Climate Change %      | +40                             |

Time Area Diagram

Total Area (ha) 0.014

|       | Time (mins) | Area    |
|-------|-------------|---------|
| From: | To:         | (ha)    |
|       | 0           | 4 0.014 |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                             |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|---------|-----------|-----|------------------------------|------|------------|------|-----------------------|------|-------------|------|---------------|-----|-------------------------|---|----------|------|----------------------|---|------------------|-------|--------------------|---|
| Odyssey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                             | Page 4                                                                              |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
| Tuscany House<br>White Hart Lane<br>Basingstoke RG21 4AF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Stakers Farm, Yapton - 19-156<br>Road 1_Rev_B<br>Chainage 44-100, Every 14m |  |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
| Date 10/12/2020 12:34<br>File Road 1_Rev_B_chainage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Designed by AK<br>Checked by                                                |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
| XP Solutions Source Control 2020.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                             |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
| <p style="text-align: center;"><u>Model Details</u></p> <p style="text-align: center;">Storage is Online Cover Level (m) 0.510</p> <p style="text-align: center;"><u>Complex Structure</u></p> <p style="text-align: center;"><u>Porous Car Park</u></p> <table> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.00648</td> <td>Width (m)</td> <td>6.0</td> </tr> <tr> <td>Membrane Percolation (mm/hr)</td> <td>1000</td> <td>Length (m)</td> <td>14.0</td> </tr> <tr> <td>Max Percolation (l/s)</td> <td>23.3</td> <td>Slope (1:X)</td> <td>87.0</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Depression Storage (mm)</td> <td>5</td> </tr> <tr> <td>Porosity</td> <td>0.30</td> <td>Evaporation (mm/day)</td> <td>3</td> </tr> <tr> <td>Invert Level (m)</td> <td>0.000</td> <td>Membrane Depth (m)</td> <td>0</td> </tr> </table> |                                                                             |                                                                                     | Infiltration Coefficient Base (m/hr) | 0.00648 | Width (m) | 6.0 | Membrane Percolation (mm/hr) | 1000 | Length (m) | 14.0 | Max Percolation (l/s) | 23.3 | Slope (1:X) | 87.0 | Safety Factor | 2.0 | Depression Storage (mm) | 5 | Porosity | 0.30 | Evaporation (mm/day) | 3 | Invert Level (m) | 0.000 | Membrane Depth (m) | 0 |
| Infiltration Coefficient Base (m/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.00648                                                                     | Width (m)                                                                           | 6.0                                  |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
| Membrane Percolation (mm/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1000                                                                        | Length (m)                                                                          | 14.0                                 |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
| Max Percolation (l/s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 23.3                                                                        | Slope (1:X)                                                                         | 87.0                                 |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
| Safety Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.0                                                                         | Depression Storage (mm)                                                             | 5                                    |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
| Porosity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.30                                                                        | Evaporation (mm/day)                                                                | 3                                    |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
| Invert Level (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.000                                                                       | Membrane Depth (m)                                                                  | 0                                    |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |       |                    |   |
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