

| Odyssey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| <p style="text-align: center;"><u>Summary of Results for 10 year Return Period</u></p> <p style="text-align: center;">Half Drain Time : 999 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>0.129</td><td>0.129</td><td>0.6</td><td>26.1</td><td>O K</td></tr><tr><td>30 min Summer</td><td>0.168</td><td>0.168</td><td>0.6</td><td>34.1</td><td>O K</td></tr><tr><td>60 min Summer</td><td>0.210</td><td>0.210</td><td>0.6</td><td>42.5</td><td>O K</td></tr><tr><td>120 min Summer</td><td>0.254</td><td>0.254</td><td>0.6</td><td>51.5</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>0.278</td><td>0.278</td><td>0.6</td><td>56.5</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>0.293</td><td>0.293</td><td>0.6</td><td>59.5</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>0.307</td><td>0.307</td><td>0.6</td><td>62.4</td><td>Flood Risk</td></tr><tr><td>480 min Summer</td><td>0.312</td><td>0.312</td><td>0.6</td><td>63.3</td><td>Flood Risk</td></tr><tr><td>600 min Summer</td><td>0.312</td><td>0.312</td><td>0.6</td><td>63.2</td><td>Flood Risk</td></tr><tr><td>720 min Summer</td><td>0.308</td><td>0.308</td><td>0.6</td><td>62.5</td><td>Flood Risk</td></tr><tr><td>960 min Summer</td><td>0.299</td><td>0.299</td><td>0.6</td><td>60.7</td><td>Flood Risk</td></tr><tr><td>1440 min Summer</td><td>0.284</td><td>0.284</td><td>0.6</td><td>57.5</td><td>Flood Risk</td></tr><tr><td>2160 min Summer</td><td>0.264</td><td>0.264</td><td>0.6</td><td>53.5</td><td>Flood Risk</td></tr><tr><td>2880 min Summer</td><td>0.247</td><td>0.247</td><td>0.6</td><td>50.1</td><td>Flood Risk</td></tr><tr><td>4320 min Summer</td><td>0.221</td><td>0.221</td><td>0.6</td><td>44.9</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>0.201</td><td>0.201</td><td>0.6</td><td>40.7</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>0.185</td><td>0.185</td><td>0.6</td><td>37.5</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>0.171</td><td>0.171</td><td>0.6</td><td>34.7</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>0.160</td><td>0.160</td><td>0.6</td><td>32.4</td><td>O K</td></tr><tr><td>15 min Winter</td><td>0.144</td><td>0.144</td><td>0.6</td><td>29.3</td><td>O K</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>62.586</td><td>0.0</td><td>22</td></tr><tr><td>30 min Summer</td><td>41.202</td><td>0.0</td><td>37</td></tr><tr><td>60 min Summer</td><td>26.034</td><td>0.0</td><td>66</td></tr><tr><td>120 min Summer</td><td>16.170</td><td>0.0</td><td>124</td></tr><tr><td>180 min Summer</td><td>12.091</td><td>0.0</td><td>184</td></tr><tr><td>240 min Summer</td><td>9.769</td><td>0.0</td><td>244</td></tr><tr><td>360 min Summer</td><td>7.145</td><td>0.0</td><td>362</td></tr><tr><td>480 min Summer</td><td>5.686</td><td>0.0</td><td>482</td></tr><tr><td>600 min Summer</td><td>4.751</td><td>0.0</td><td>600</td></tr><tr><td>720 min Summer</td><td>4.098</td><td>0.0</td><td>720</td></tr><tr><td>960 min Summer</td><td>3.242</td><td>0.0</td><td>828</td></tr><tr><td>1440 min Summer</td><td>2.335</td><td>0.0</td><td>1068</td></tr><tr><td>2160 min Summer</td><td>1.695</td><td>0.0</td><td>1472</td></tr><tr><td>2880 min Summer</td><td>1.362</td><td>0.0</td><td>1876</td></tr><tr><td>4320 min Summer</td><td>1.021</td><td>0.0</td><td>2684</td></tr><tr><td>5760 min Summer</td><td>0.845</td><td>0.0</td><td>3464</td></tr><tr><td>7200 min Summer</td><td>0.738</td><td>0.0</td><td>4256</td></tr><tr><td>8640 min Summer</td><td>0.667</td><td>0.0</td><td>5016</td></tr><tr><td>10080 min Summer</td><td>0.615</td><td>0.0</td><td>5760</td></tr><tr><td>15 min Winter</td><td>62.586</td><td>0.0</td><td>22</td></tr></tbody></table> |               |                              |                        |                 |                                                                                     | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 0.129 | 0.129 | 0.6 | 26.1 | O K | 30 min Summer | 0.168 | 0.168 | 0.6 | 34.1 | O K | 60 min Summer | 0.210 | 0.210 | 0.6 | 42.5 | O K | 120 min Summer | 0.254 | 0.254 | 0.6 | 51.5 | Flood Risk | 180 min Summer | 0.278 | 0.278 | 0.6 | 56.5 | Flood Risk | 240 min Summer | 0.293 | 0.293 | 0.6 | 59.5 | Flood Risk | 360 min Summer | 0.307 | 0.307 | 0.6 | 62.4 | Flood Risk | 480 min Summer | 0.312 | 0.312 | 0.6 | 63.3 | Flood Risk | 600 min Summer | 0.312 | 0.312 | 0.6 | 63.2 | Flood Risk | 720 min Summer | 0.308 | 0.308 | 0.6 | 62.5 | Flood Risk | 960 min Summer | 0.299 | 0.299 | 0.6 | 60.7 | Flood Risk | 1440 min Summer | 0.284 | 0.284 | 0.6 | 57.5 | Flood Risk | 2160 min Summer | 0.264 | 0.264 | 0.6 | 53.5 | Flood Risk | 2880 min Summer | 0.247 | 0.247 | 0.6 | 50.1 | Flood Risk | 4320 min Summer | 0.221 | 0.221 | 0.6 | 44.9 | O K | 5760 min Summer | 0.201 | 0.201 | 0.6 | 40.7 | O K | 7200 min Summer | 0.185 | 0.185 | 0.6 | 37.5 | O K | 8640 min Summer | 0.171 | 0.171 | 0.6 | 34.7 | O K | 10080 min Summer | 0.160 | 0.160 | 0.6 | 32.4 | O K | 15 min Winter | 0.144 | 0.144 | 0.6 | 29.3 | O K | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 62.586 | 0.0 | 22 | 30 min Summer | 41.202 | 0.0 | 37 | 60 min Summer | 26.034 | 0.0 | 66 | 120 min Summer | 16.170 | 0.0 | 124 | 180 min Summer | 12.091 | 0.0 | 184 | 240 min Summer | 9.769 | 0.0 | 244 | 360 min Summer | 7.145 | 0.0 | 362 | 480 min Summer | 5.686 | 0.0 | 482 | 600 min Summer | 4.751 | 0.0 | 600 | 720 min Summer | 4.098 | 0.0 | 720 | 960 min Summer | 3.242 | 0.0 | 828 | 1440 min Summer | 2.335 | 0.0 | 1068 | 2160 min Summer | 1.695 | 0.0 | 1472 | 2880 min Summer | 1.362 | 0.0 | 1876 | 4320 min Summer | 1.021 | 0.0 | 2684 | 5760 min Summer | 0.845 | 0.0 | 3464 | 7200 min Summer | 0.738 | 0.0 | 4256 | 8640 min Summer | 0.667 | 0.0 | 5016 | 10080 min Summer | 0.615 | 0.0 | 5760 | 15 min Winter | 62.586 | 0.0 | 22 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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(l/s) | Max Volume (m³) | Status                                                                              |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      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|                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.129         | 0.129                        | 0.6                    | 26.1            | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.168         | 0.168                        | 0.6                    | 34.1            | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.210         | 0.210                        | 0.6                    | 42.5            | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.254         | 0.254                        | 0.6                    | 51.5            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.278         | 0.278                        | 0.6                    | 56.5            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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 | 59.5            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.307         | 0.307                        | 0.6                    | 62.4            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.312         | 0.312                        | 0.6                    | 63.3            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.312         | 0.312                        | 0.6                    | 63.2            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.308         | 0.308                        | 0.6                    | 62.5            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.299         | 0.299                        | 0.6                    | 60.7            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.284         | 0.284                        | 0.6                    | 57.5            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.264         | 0.264                        | 0.6                    | 53.5            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.247         | 0.247                        | 0.6                    | 50.1            | Flood Risk                                                                          |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.221         | 0.221                        | 0.6                    | 44.9            | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.201         | 0.201                        | 0.6                    | 40.7            | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.185         | 0.185                        | 0.6                    | 37.5            | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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 | 34.7            | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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 | 32.4            | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.144         | 0.144                        | 0.6                    | 29.3            | O K                                                                                 |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Rain (mm/hr)  | Flooded Volume (m³)          | Time-Peak (mins)       |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     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            |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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 |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 41.202        | 0.0                          | 37                     |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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 |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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 |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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 |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     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            |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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 |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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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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 |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.667         | 0.0                          | 5016                   |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.615         | 0.0                          | 5760                   |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 62.586        | 0.0                          | 22                     |                 |                                                                                     |             |               |               |                        |                 |        |               |       |       |     |      |     |               |       |       |     |      |     |               |       |       |     |      |     |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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       |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                 |       |       |     |      |     |                  |       |       |     |      |     |               |       |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |

|                                                     |               |                              |                        |                 |                                                                                     |
|-----------------------------------------------------|---------------|------------------------------|------------------------|-----------------|-------------------------------------------------------------------------------------|
| Odyssey                                             |               |                              |                        |                 | Page 2                                                                              |
| Tuscany House                                       |               | Stakers Farm, Yapton 19-156  |                        |                 |  |
| White Hart Lane                                     |               | POS A - Infiltration Blanket |                        |                 |                                                                                     |
| Basingstoke RG21 4AF                                |               | Rev A                        |                        |                 |                                                                                     |
| Date 29/07/2020 14:19                               |               | Designed by AK               |                        |                 |                                                                                     |
| File POS_A Infiltration                             |               | Checked by                   |                        |                 |                                                                                     |
| Micro Drainage                                      |               | Source Control 2020.1        |                        |                 |                                                                                     |
| <u>Summary of Results for 10 year Return Period</u> |               |                              |                        |                 |                                                                                     |
| Storm Event                                         | Max Level (m) | Max Depth (m)                | Max Infiltration (l/s) | Max Volume (m³) | Status                                                                              |
| 30 min Winter                                       | 0.189         | 0.189                        | 0.6                    | 38.3            | O K                                                                                 |
| 60 min Winter                                       | 0.236         | 0.236                        | 0.6                    | 47.8            | Flood Risk                                                                          |
| 120 min Winter                                      | 0.287         | 0.287                        | 0.6                    | 58.1            | Flood Risk                                                                          |
| 180 min Winter                                      | 0.315         | 0.315                        | 0.6                    | 63.8            | Flood Risk                                                                          |
| 240 min Winter                                      | 0.381         | 0.381                        | 0.6                    | 67.4            | Flood Risk                                                                          |
| 360 min Winter                                      | 0.386         | 0.386                        | 0.6                    | 71.1            | Flood Risk                                                                          |
| 480 min Winter                                      | 0.388         | 0.388                        | 0.6                    | 72.5            | Flood Risk                                                                          |
| 600 min Winter                                      | 0.389         | 0.389                        | 0.6                    | 72.8            | Flood Risk                                                                          |
| 720 min Winter                                      | 0.388         | 0.388                        | 0.6                    | 72.5            | Flood Risk                                                                          |
| 960 min Winter                                      | 0.386         | 0.386                        | 0.6                    | 70.9            | Flood Risk                                                                          |
| 1440 min Winter                                     | 0.328         | 0.328                        | 0.6                    | 66.4            | Flood Risk                                                                          |
| 2160 min Winter                                     | 0.300         | 0.300                        | 0.6                    | 60.9            | Flood Risk                                                                          |
| 2880 min Winter                                     | 0.275         | 0.275                        | 0.6                    | 55.7            | Flood Risk                                                                          |
| 4320 min Winter                                     | 0.232         | 0.232                        | 0.6                    | 47.0            | Flood Risk                                                                          |
| 5760 min Winter                                     | 0.196         | 0.196                        | 0.6                    | 39.7            | O K                                                                                 |
| 7200 min Winter                                     | 0.166         | 0.166                        | 0.6                    | 33.7            | O K                                                                                 |
| 8640 min Winter                                     | 0.142         | 0.142                        | 0.6                    | 28.7            | O K                                                                                 |
| 10080 min Winter                                    | 0.121         | 0.121                        | 0.6                    | 24.5            | O K                                                                                 |
| Storm Event                                         | Rain (mm/hr)  | Flooded Volume (m³)          | Time-Peak (mins)       |                 |                                                                                     |
| 30 min Winter                                       | 41.202        | 0.0                          | 36                     |                 |                                                                                     |
| 60 min Winter                                       | 26.034        | 0.0                          | 66                     |                 |                                                                                     |
| 120 min Winter                                      | 16.170        | 0.0                          | 124                    |                 |                                                                                     |
| 180 min Winter                                      | 12.091        | 0.0                          | 182                    |                 |                                                                                     |
| 240 min Winter                                      | 9.769         | 0.0                          | 240                    |                 |                                                                                     |
| 360 min Winter                                      | 7.145         | 0.0                          | 356                    |                 |                                                                                     |
| 480 min Winter                                      | 5.686         | 0.0                          | 472                    |                 |                                                                                     |
| 600 min Winter                                      | 4.751         | 0.0                          | 584                    |                 |                                                                                     |
| 720 min Winter                                      | 4.098         | 0.0                          | 698                    |                 |                                                                                     |
| 960 min Winter                                      | 3.242         | 0.0                          | 914                    |                 |                                                                                     |
| 1440 min Winter                                     | 2.335         | 0.0                          | 1144                   |                 |                                                                                     |
| 2160 min Winter                                     | 1.695         | 0.0                          | 1600                   |                 |                                                                                     |
| 2880 min Winter                                     | 1.362         | 0.0                          | 2048                   |                 |                                                                                     |
| 4320 min Winter                                     | 1.021         | 0.0                          | 2900                   |                 |                                                                                     |
| 5760 min Winter                                     | 0.845         | 0.0                          | 3744                   |                 |                                                                                     |
| 7200 min Winter                                     | 0.738         | 0.0                          | 4536                   |                 |                                                                                     |
| 8640 min Winter                                     | 0.667         | 0.0                          | 5272                   |                 |                                                                                     |
| 10080 min Winter                                    | 0.615         | 0.0                          | 6048                   |                 |                                                                                     |
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| Odyssey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                      | Page 3                                                                              |                |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|-----|-----------------------|----|----------------------|------|---------------|---------------------------------|-----------|-------|---------------|-----|---------------|-----|-------------|-------|-------------|-------|-----------------------|----|----------------------|-------|------------------|----|-------------|------|-------------|------|-------|----------|-------|----------|---|---------|---|---------|
| Tuscany House<br>White Hart Lane<br>Basingstoke RG21 4AF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Stakers Farm, Yapton 19-156<br>POS A - Infiltration Blanket<br>Rev A |  |                |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
| Date 29/07/2020 14:19<br>File POS_A Infiltration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Designed by AK<br>Checked by                                         |                                                                                     |                |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
| Micro Drainage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                      | Source Control 2020.1                                                               |                |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
| <p style="text-align: center;"><u>Rainfall Details</u></p> <table> <tr> <td>Rainfall Model</td> <td>FEH</td> </tr> <tr> <td>Return Period (years)</td> <td>10</td> </tr> <tr> <td>FEH Rainfall Version</td> <td>2013</td> </tr> <tr> <td>Site Location</td> <td>GB 497682 103581 SU 97682 03581</td> </tr> <tr> <td>Data Type</td> <td>Point</td> </tr> <tr> <td>Summer Storms</td> <td>Yes</td> </tr> <tr> <td>Winter Storms</td> <td>Yes</td> </tr> <tr> <td>Cv (Summer)</td> <td>0.750</td> </tr> <tr> <td>Cv (Winter)</td> <td>0.840</td> </tr> <tr> <td>Shortest Storm (mins)</td> <td>15</td> </tr> <tr> <td>Longest Storm (mins)</td> <td>10080</td> </tr> <tr> <td>Climate Change %</td> <td>+0</td> </tr> </table> <p style="text-align: center;"><u>Time Area Diagram</u></p> <p style="text-align: center;">Total Area (ha) 0.227</p> <table> <thead> <tr> <th>Time (mins)</th> <th>Area</th> <th>Time (mins)</th> <th>Area</th> </tr> <tr> <th>From:</th> <th>To: (ha)</th> <th>From:</th> <th>To: (ha)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4 0.154</td> <td>4</td> <td>8 0.073</td> </tr> </tbody> </table> |                                                                      |                                                                                     | Rainfall Model | FEH | Return Period (years) | 10 | 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 % | +0 | Time (mins) | Area | Time (mins) | Area | From: | To: (ha) | From: | To: (ha) | 0 | 4 0.154 | 4 | 8 0.073 |
| Rainfall Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | FEH                                                                  |                                                                                     |                |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
| Return Period (years)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10                                                                   |                                                                                     |                |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
| 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 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | +0                                                                   |                                                                                     |                |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
| Time (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Area                                                                 | Time (mins)                                                                         | Area           |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
| From:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To: (ha)                                                             | From:                                                                               | To: (ha)       |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4 0.154                                                              | 4                                                                                   | 8 0.073        |     |                       |    |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |    |             |      |             |      |       |          |       |          |   |         |   |         |
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| Odyssey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                      | Page 4                                                                              |                        |                        |           |                        |       |       |       |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|------------------------|-----------|------------------------|-------|-------|-------|-------|
| Tuscany House<br>White Hart Lane<br>Basingstoke RG21 4AF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Stakers Farm, Yapton 19-156<br>POS A - Infiltration Blanket<br>Rev A |  |                        |                        |           |                        |       |       |       |       |
| Date 29/07/2020 14:19<br>File POS_A Infiltration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Designed by AK<br>Checked by                                         |                                                                                     |                        |                        |           |                        |       |       |       |       |
| Micro Drainage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                      | 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) 0.530</p> <p style="text-align: center;"><u>Complex Structure</u></p> <p style="text-align: center;"><u>Infiltration Blanket</u></p> <p style="text-align: center;">           Infiltration Coefficient Base (m/hr) 0.00648    Diameter/Width (m) 26.0<br/>           Safety Factor 2.0    Length (m) 26.0<br/>           Porosity 0.30    Cap Volume Depth (m) 0.330<br/>           Invert Level (m) 0.000         </p> <p style="text-align: center;"><u>Infiltration Basin</u></p> <p style="text-align: center;">           Invert Level (m) 0.380    Safety Factor 2.0<br/>           Infiltration Coefficient Base (m/hr) 0.00000    Porosity 1.00<br/>           Infiltration Coefficient Side (m/hr) 0.00000         </p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Depth (m)</th> <th>Area (m<sup>2</sup>)</th> <th>Depth (m)</th> <th>Area (m<sup>2</sup>)</th> </tr> </thead> <tbody> <tr> <td>0.000</td> <td>680.0</td> <td>0.150</td> <td>778.0</td> </tr> </tbody> </table> |                                                                      |                                                                                     | Depth (m)              | Area (m <sup>2</sup> ) | Depth (m) | Area (m <sup>2</sup> ) | 0.000 | 680.0 | 0.150 | 778.0 |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Area (m <sup>2</sup> )                                               | Depth (m)                                                                           | Area (m <sup>2</sup> ) |                        |           |                        |       |       |       |       |
| 0.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 680.0                                                                | 0.150                                                                               | 778.0                  |                        |           |                        |       |       |       |       |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                      |                                                                                     |                        |                        |           |                        |       |       |       |       |