

| MJA Consulting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Monarch House<br>Barton Lane<br>OX14 3NB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| Date 04/04/2018 12:05<br>File SOAKAWAY 1.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <p style="text-align: center;"><u>Summary of Results for 100 year Return Period (+40%)</u></p> <p style="text-align: center;">Half Drain Time : 357 minutes.</p> <table><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><tr><td>15 min Summer</td><td>99.173</td><td>0.173</td><td>1.5</td><td>27.9</td><td>O K</td></tr><tr><td>30 min Summer</td><td>99.228</td><td>0.228</td><td>1.5</td><td>36.8</td><td>O K</td></tr><tr><td>60 min Summer</td><td>99.282</td><td>0.282</td><td>1.5</td><td>45.5</td><td>O K</td></tr><tr><td>120 min Summer</td><td>99.326</td><td>0.326</td><td>1.6</td><td>52.6</td><td>O K</td></tr><tr><td>180 min Summer</td><td>99.340</td><td>0.340</td><td>1.6</td><td>54.9</td><td>O K</td></tr><tr><td>240 min Summer</td><td>99.343</td><td>0.343</td><td>1.6</td><td>55.3</td><td>O K</td></tr><tr><td>360 min Summer</td><td>99.339</td><td>0.339</td><td>1.6</td><td>54.8</td><td>O K</td></tr><tr><td>480 min Summer</td><td>99.333</td><td>0.333</td><td>1.6</td><td>53.7</td><td>O K</td></tr><tr><td>600 min Summer</td><td>99.325</td><td>0.325</td><td>1.6</td><td>52.4</td><td>O K</td></tr><tr><td>720 min Summer</td><td>99.316</td><td>0.316</td><td>1.6</td><td>51.0</td><td>O K</td></tr><tr><td>960 min Summer</td><td>99.298</td><td>0.298</td><td>1.6</td><td>48.1</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>99.261</td><td>0.261</td><td>1.5</td><td>42.1</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>99.210</td><td>0.210</td><td>1.5</td><td>33.9</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>99.166</td><td>0.166</td><td>1.5</td><td>26.8</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>99.100</td><td>0.100</td><td>1.5</td><td>16.1</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>99.061</td><td>0.061</td><td>1.4</td><td>9.9</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>99.048</td><td>0.048</td><td>1.4</td><td>7.7</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>99.042</td><td>0.042</td><td>1.2</td><td>6.7</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>99.037</td><td>0.037</td><td>1.1</td><td>6.0</td><td>O K</td></tr><tr><td>15 min Winter</td><td>99.194</td><td>0.194</td><td>1.5</td><td>31.4</td><td>O K</td></tr></table> <table><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr><tr><td>15 min Summer</td><td>134.746</td><td>0.0</td><td>18</td></tr><tr><td>30 min Summer</td><td>90.474</td><td>0.0</td><td>33</td></tr><tr><td>60 min Summer</td><td>57.877</td><td>0.0</td><td>62</td></tr><tr><td>120 min Summer</td><td>35.655</td><td>0.0</td><td>122</td></tr><tr><td>180 min Summer</td><td>26.413</td><td>0.0</td><td>180</td></tr><tr><td>240 min Summer</td><td>21.237</td><td>0.0</td><td>240</td></tr><tr><td>360 min Summer</td><td>15.626</td><td>0.0</td><td>302</td></tr><tr><td>480 min Summer</td><td>12.548</td><td>0.0</td><td>364</td></tr><tr><td>600 min Summer</td><td>10.575</td><td>0.0</td><td>430</td></tr><tr><td>720 min Summer</td><td>9.191</td><td>0.0</td><td>498</td></tr><tr><td>960 min Summer</td><td>7.358</td><td>0.0</td><td>636</td></tr><tr><td>1440 min Summer</td><td>5.368</td><td>0.0</td><td>908</td></tr><tr><td>2160 min Summer</td><td>3.907</td><td>0.0</td><td>1296</td></tr><tr><td>2880 min Summer</td><td>3.115</td><td>0.0</td><td>1672</td></tr><tr><td>4320 min Summer</td><td>2.259</td><td>0.0</td><td>2376</td></tr><tr><td>5760 min Summer</td><td>1.796</td><td>0.0</td><td>3000</td></tr><tr><td>7200 min Summer</td><td>1.506</td><td>0.0</td><td>3672</td></tr><tr><td>8640 min Summer</td><td>1.304</td><td>0.0</td><td>4408</td></tr><tr><td>10080 min Summer</td><td>1.154</td><td>0.0</td><td>5136</td></tr><tr><td>15 min Winter</td><td>134.746</td><td>0.0</td><td>18</td></tr></table> |               |                                                  |                                                                                     | Storm Event     | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 99.173 | 0.173 | 1.5 | 27.9 | O K | 30 min Summer | 99.228 | 0.228 | 1.5 | 36.8 | O K | 60 min Summer | 99.282 | 0.282 | 1.5 | 45.5 | O K | 120 min Summer | 99.326 | 0.326 | 1.6 | 52.6 | O K | 180 min Summer | 99.340 | 0.340 | 1.6 | 54.9 | O K | 240 min Summer | 99.343 | 0.343 | 1.6 | 55.3 | O K | 360 min Summer | 99.339 | 0.339 | 1.6 | 54.8 | O K | 480 min Summer | 99.333 | 0.333 | 1.6 | 53.7 | O K | 600 min Summer | 99.325 | 0.325 | 1.6 | 52.4 | O K | 720 min Summer | 99.316 | 0.316 | 1.6 | 51.0 | O K | 960 min Summer | 99.298 | 0.298 | 1.6 | 48.1 | O K | 1440 min Summer | 99.261 | 0.261 | 1.5 | 42.1 | O K | 2160 min Summer | 99.210 | 0.210 | 1.5 | 33.9 | O K | 2880 min Summer | 99.166 | 0.166 | 1.5 | 26.8 | O K | 4320 min Summer | 99.100 | 0.100 | 1.5 | 16.1 | O K | 5760 min Summer | 99.061 | 0.061 | 1.4 | 9.9 | O K | 7200 min Summer | 99.048 | 0.048 | 1.4 | 7.7 | O K | 8640 min Summer | 99.042 | 0.042 | 1.2 | 6.7 | O K | 10080 min Summer | 99.037 | 0.037 | 1.1 | 6.0 | O K | 15 min Winter | 99.194 | 0.194 | 1.5 | 31.4 | O K | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 134.746 | 0.0 | 18 | 30 min Summer | 90.474 | 0.0 | 33 | 60 min Summer | 57.877 | 0.0 | 62 | 120 min Summer | 35.655 | 0.0 | 122 | 180 min Summer | 26.413 | 0.0 | 180 | 240 min Summer | 21.237 | 0.0 | 240 | 360 min Summer | 15.626 | 0.0 | 302 | 480 min Summer | 12.548 | 0.0 | 364 | 600 min Summer | 10.575 | 0.0 | 430 | 720 min Summer | 9.191 | 0.0 | 498 | 960 min Summer | 7.358 | 0.0 | 636 | 1440 min Summer | 5.368 | 0.0 | 908 | 2160 min Summer | 3.907 | 0.0 | 1296 | 2880 min Summer | 3.115 | 0.0 | 1672 | 4320 min Summer | 2.259 | 0.0 | 2376 | 5760 min Summer | 1.796 | 0.0 | 3000 | 7200 min Summer | 1.506 | 0.0 | 3672 | 8640 min Summer | 1.304 | 0.0 | 4408 | 10080 min Summer | 1.154 | 0.0 | 5136 | 15 min Winter | 134.746 | 0.0 | 18 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Max Level (m) | Max Depth (m)                                    | Max Infiltration (l/s)                                                              | Max Volume (m³) | Status        |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 99.173        | 0.173                                            | 1.5                                                                                 | 27.9            | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 99.228        | 0.228                                            | 1.5                                                                                 | 36.8            | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 99.282        | 0.282                                            | 1.5                                                                                 | 45.5            | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 99.326        | 0.326                                            | 1.6                                                                                 | 52.6            | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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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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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.210        | 0.210                                            | 1.5                                                                                 | 33.9            | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.166        | 0.166                                            | 1.5                                                                                 | 26.8            | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.100        | 0.100                                            | 1.5                                                                                 | 16.1            | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.061        | 0.061                                            | 1.4                                                                                 | 9.9             | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.048        | 0.048                                            | 1.4                                                                                 | 7.7             | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 99.042        | 0.042                                            | 1.2                                                                                 | 6.7             | O K           |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 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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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |       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| ©1982-2017 XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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     |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |      |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |      |     |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |

|                                                             |                     |                                                  |                              |                       |                                                                                     |
|-------------------------------------------------------------|---------------------|--------------------------------------------------|------------------------------|-----------------------|-------------------------------------------------------------------------------------|
| MJA Consulting                                              |                     |                                                  |                              | Page 2                |                                                                                     |
| Monarch House<br>Barton Lane<br>OX14 3NB                    |                     | Soakaway 1, Care Home<br>Westergate & Eastergate |                              |                       |  |
| Date 04/04/2018 12:05<br>File SOAKAWAY 1.SRCX               |                     | Designed by S.Smith<br>Checked by                |                              |                       |                                                                                     |
| Innovyze                                                    |                     | Source Control 2017.1.2                          |                              |                       |                                                                                     |
| <u>Summary of Results for 100 year Return Period (+40%)</u> |                     |                                                  |                              |                       |                                                                                     |
| Storm<br>Event                                              | Max<br>Level<br>(m) | Max<br>Depth<br>(m)                              | Max<br>Infiltration<br>(l/s) | Max<br>Volume<br>(m³) | Status                                                                              |
| 30 min Winter                                               | 99.257              | 0.257                                            | 1.5                          | 41.5                  | O K                                                                                 |
| 60 min Winter                                               | 99.319              | 0.319                                            | 1.6                          | 51.4                  | O K                                                                                 |
| 120 min Winter                                              | 99.371              | 0.371                                            | 1.6                          | 59.9                  | O K                                                                                 |
| 180 min Winter                                              | 99.390              | 0.390                                            | 1.6                          | 63.0                  | O K                                                                                 |
| 240 min Winter                                              | 99.396              | 0.396                                            | 1.6                          | 64.0                  | O K                                                                                 |
| 360 min Winter                                              | 99.395              | 0.395                                            | 1.6                          | 63.8                  | O K                                                                                 |
| 480 min Winter                                              | 99.385              | 0.385                                            | 1.6                          | 62.1                  | O K                                                                                 |
| 600 min Winter                                              | 99.374              | 0.374                                            | 1.6                          | 60.4                  | O K                                                                                 |
| 720 min Winter                                              | 99.362              | 0.362                                            | 1.6                          | 58.5                  | O K                                                                                 |
| 960 min Winter                                              | 99.335              | 0.335                                            | 1.6                          | 54.1                  | O K                                                                                 |
| 1440 min Winter                                             | 99.279              | 0.279                                            | 1.5                          | 45.0                  | O K                                                                                 |
| 2160 min Winter                                             | 99.201              | 0.201                                            | 1.5                          | 32.5                  | O K                                                                                 |
| 2880 min Winter                                             | 99.137              | 0.137                                            | 1.5                          | 22.0                  | O K                                                                                 |
| 4320 min Winter                                             | 99.055              | 0.055                                            | 1.4                          | 8.9                   | O K                                                                                 |
| 5760 min Winter                                             | 99.042              | 0.042                                            | 1.2                          | 6.8                   | O K                                                                                 |
| 7200 min Winter                                             | 99.035              | 0.035                                            | 1.0                          | 5.7                   | O K                                                                                 |
| 8640 min Winter                                             | 99.031              | 0.031                                            | 0.9                          | 4.9                   | O K                                                                                 |
| 10080 min Winter                                            | 99.027              | 0.027                                            | 0.8                          | 4.4                   | O K                                                                                 |
| Storm<br>Event                                              | Rain<br>(mm/hr)     | Flooded<br>Volume<br>(m³)                        | Time-Peak<br>(mins)          |                       |                                                                                     |
| 30 min Winter                                               | 90.474              | 0.0                                              | 33                           |                       |                                                                                     |
| 60 min Winter                                               | 57.877              | 0.0                                              | 62                           |                       |                                                                                     |
| 120 min Winter                                              | 35.655              | 0.0                                              | 120                          |                       |                                                                                     |
| 180 min Winter                                              | 26.413              | 0.0                                              | 176                          |                       |                                                                                     |
| 240 min Winter                                              | 21.237              | 0.0                                              | 232                          |                       |                                                                                     |
| 360 min Winter                                              | 15.626              | 0.0                                              | 340                          |                       |                                                                                     |
| 480 min Winter                                              | 12.548              | 0.0                                              | 388                          |                       |                                                                                     |
| 600 min Winter                                              | 10.575              | 0.0                                              | 464                          |                       |                                                                                     |
| 720 min Winter                                              | 9.191               | 0.0                                              | 540                          |                       |                                                                                     |
| 960 min Winter                                              | 7.358               | 0.0                                              | 692                          |                       |                                                                                     |
| 1440 min Winter                                             | 5.368               | 0.0                                              | 982                          |                       |                                                                                     |
| 2160 min Winter                                             | 3.907               | 0.0                                              | 1384                         |                       |                                                                                     |
| 2880 min Winter                                             | 3.115               | 0.0                                              | 1756                         |                       |                                                                                     |
| 4320 min Winter                                             | 2.259               | 0.0                                              | 2332                         |                       |                                                                                     |
| 5760 min Winter                                             | 1.796               | 0.0                                              | 2992                         |                       |                                                                                     |
| 7200 min Winter                                             | 1.506               | 0.0                                              | 3680                         |                       |                                                                                     |
| 8640 min Winter                                             | 1.304               | 0.0                                              | 4352                         |                       |                                                                                     |
| 10080 min Winter                                            | 1.154               | 0.0                                              | 5072                         |                       |                                                                                     |
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|                                               |                                                  |                                                                                     |
|-----------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------|
| MJA Consulting                                |                                                  | Page 4                                                                              |
| Monarch House<br>Barton Lane<br>OX14 3NB      | Soakaway 1, Care Home<br>Westergate & Eastergate |  |
| Date 04/04/2018 12:05<br>File SOAKAWAY 1.SRCX | Designed by S.Smith<br>Checked by                |                                                                                     |
| Innovyze Source Control 2017.1.2              |                                                  |                                                                                     |

Model Details

Storage is Online Cover Level (m) 100.000

Cellular Storage Structure

Invert Level (m) 99.000 Safety Factor 2.0  
Infiltration Coefficient Base (m/hr) 0.06000 Porosity 0.95  
Infiltration Coefficient Side (m/hr) 0.06000

| Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) | Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) |
|-----------|------------------------|-----------------------------|-----------|------------------------|-----------------------------|
| 0.000     | 170.0                  | 170.0                       | 0.401     | 0.0                    | 191.6                       |
| 0.400     | 170.0                  | 191.6                       |           |                        |                             |

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