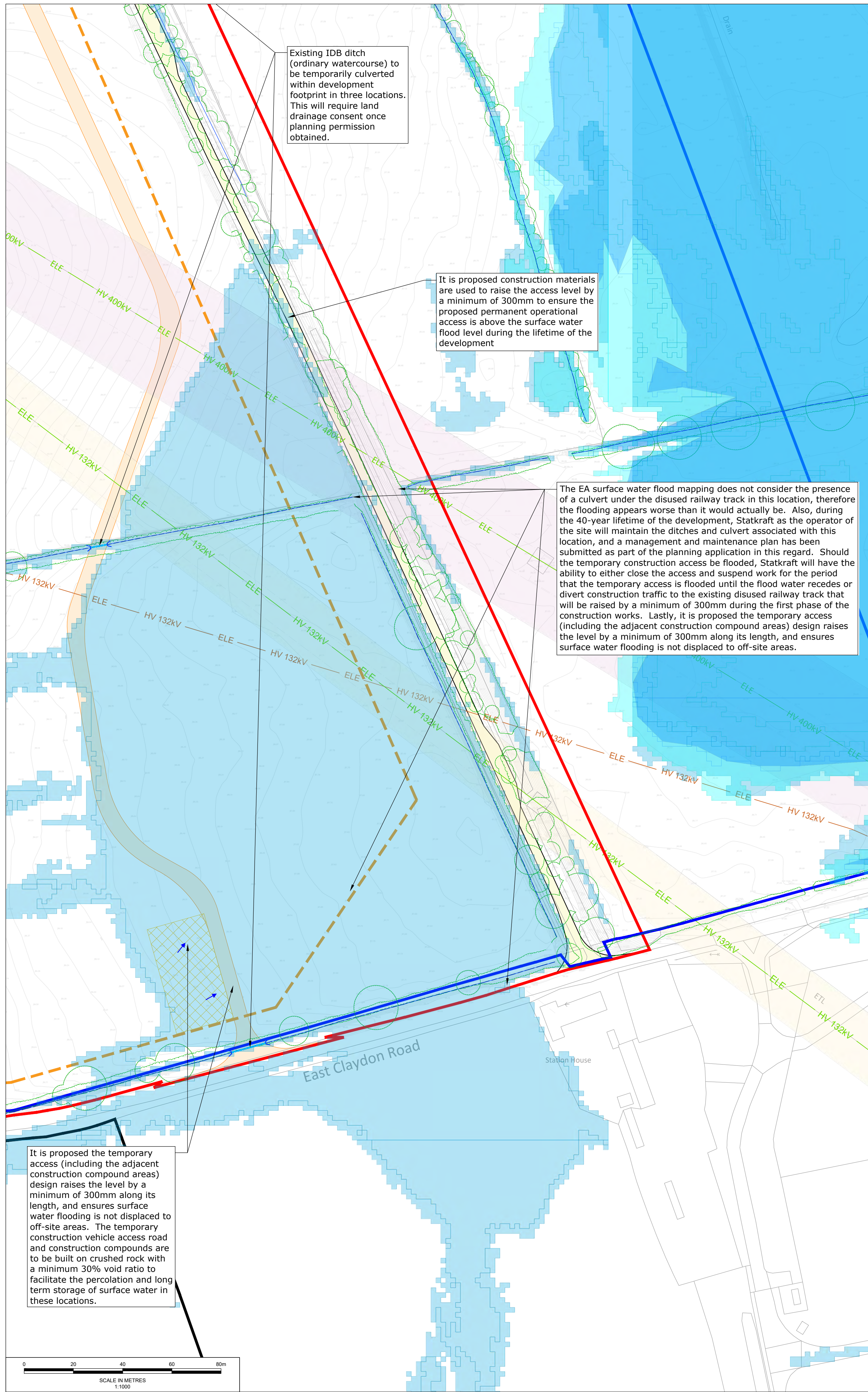
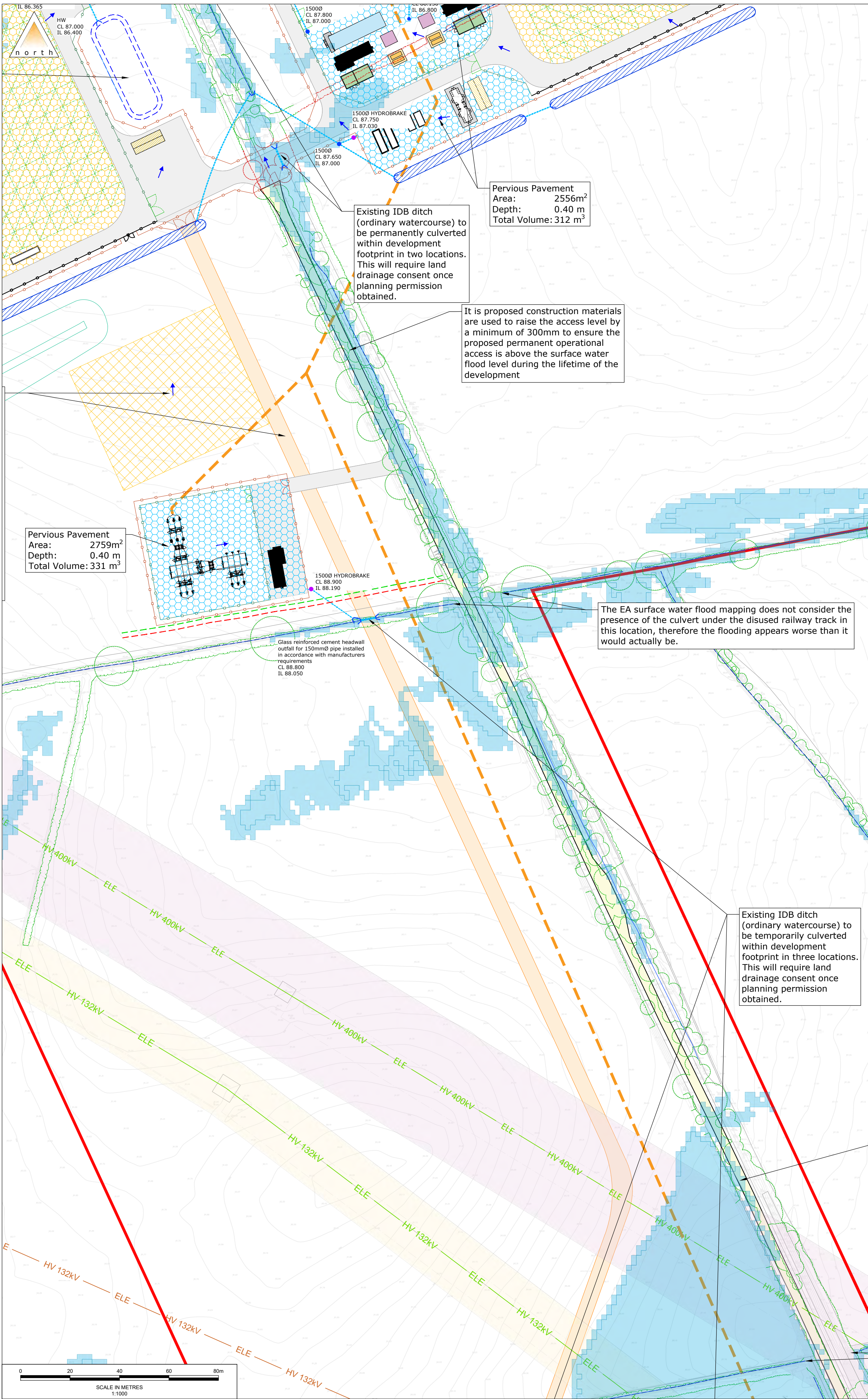




Notes

- All levels and dimensions are to be checked on site before any work commences. All dimensions are in metres unless stated otherwise.
- Any discrepancies shall be reported to the engineer immediately, so that clarification can be sought prior to the commencement of works.
- This drawing shall be read in conjunction with all other relevant engineering details, drawings and specification.
- The contractor is to keep a record of any variations made on site, including the relocation of sewers or drains, for their "as built" drawings to be prepared upon project completion.
- All works to adopted systems are to be carried out in accordance with Sewerage Sector Guidance Appendix C, Approved Version 2.1, 25 May 2021. All works to private drainage systems are to be in accordance with the Building Regulations Approved Document Part "H" 2015 edition.
- 900mm min cover to be provided for private pipes laid beneath agricultural land and public open space unless not practicable. 1200mm min cover to be provided for highways and parking areas with unrestricted access to vehicles with a gross vehicle weight in excess of 7.5 tonnes unless not practicable. Where unachievable, shallow private drains may require protection using ductile iron pipe, concrete surround or concrete slabs bridging the trench, subject to the NIRC Inspector's requirements.
- All pipes shall be laid soffit to soffit with outgoing pipes unless otherwise stated.
- Manholes situated within areas accessible to motor vehicles are to be fitted with suitable strength covers and frames. Please refer to the manhole schedule for guidance on this.
- This drawing has been based upon survey information supplied by Warner Surveys and Motion cannot guarantee the accuracy of the data provided.
- Adjacent areas of handstanding will comply with building regulations and divert water away from the buildings.
- The top surface of the pervious pavement should finish at least 150mm below any adjoining DPC level. Advice should always be sought from the manufacturer.
- Linear drainage channels are required to convey surface water for up to the 100 year + 45% climate change critical flow rate. Construction details and supporting calculations are to be provided at the detailed design stage.
- The Drainage Strategy is based on preliminary levels and is subject to detailed design.
- The exact location of all private rainwater pipes are to be confirmed with the architect details prior to commencement of works.
- Check Dams will be required for the pervious pavement sub-bases and swales to maximise attenuation. Spacing and construction details to be provided at the detailed design stage.
- The Type C no infiltration pervious pavement sub-base will drain to underlying surface water perforated collector pipes or diffuser units. Construction details are to be provided at the detailed design stage.
- Purpose Designed Water Pollution Containment Device Chambers will be installed downstream of the last attenuation basins to contain site runoff such as fire water in an emergency.
- The surface of the proposed main compound and substation areas should finish minimum of 150mm below any buildings and equipment. The scheme levels have been designed to achieve this requirement.

Legend

- Planning Site Boundary
- Proposed Type C no infiltration pervious pavement
- Proposed Type C no infiltration pervious pavement Lined with Impermeable Separating Geomembrane at the Sides and Base
- New Surface Water Gravity Pipe
- New Surface Water Catchpit Chamber
- New Surface Water Linear Drainage with Sump Unit
- Exceedance flow route
- New Surface Water Filter Drain with Perforated Collector Pipe and fill material that has a minimum 30% void ratio to facilitate the percolation and routing of surface water
- Proposed Swale
- Proposed Attenuation Basin
- New Surface Water Hydro-Brake Flow Control Chamber - Refer to MicroDrainage Calculations for 100 + 40% climate change critical flow rate
- Proposed Headwall
- EA Risk of Flooding from Rivers and Sea - Climate Change 1 - shows the overall risk, rather than the risk associated with a specific event or scenario - includes the 'Central' climate change allowance for the 2050s epoch (2040-2069) for risk of flooding from rivers - Last Updated 26 January 2025
- EA Flood Map for Planning - Climate Change Extents (undefended) - shows the overall risk, rather than the risk associated with a specific event or scenario - includes the 'Central' climate change allowance for the 2080s epoch (2070-2125) for risk of flooding from rivers - Last Updated 23 March 2023
- EA Risk of Flooding from Surface Water - Climate Change 1 - with Low Yearly Chance Extent Removed by Motion - shows the overall Medium and High risk, rather than the risk associated with a specific event or scenario - includes the 'Central' climate change allowance for the 2050s epoch (2040-2069) for the Medium and High risk of flooding from surface water - Last Updated 26 January 2025
- New Purpose Designed Water Pollution Containment Device Chamber
- 8m LFA Buffer Zone
- 9m IDB Buffer Zone
- 10m Ecological Buffer Zone

| Rev. | Description   | Drm | Chk | App | Date       |
|------|---------------|-----|-----|-----|------------|
| P07  | Seventh Issue | ST  | CG  | JM  | 23/04/2025 |
| P06  | Sixth Issue   | ST  | CG  | JM  | 13/04/2025 |
| P05  | Fifth Issue   | ST  | CG  | JM  | 08/04/2025 |
| P04  | Fourth Issue  | ST  | CG  | JM  | 02/04/2025 |
| P03  | Third Issue   | ST  | CG  | JM  | 07/03/2025 |
| P02  | Second Issue  | ST  | CG  | JM  | 20/12/2024 |
| P01  | First Issue   | ST  | CG  | JM  | 17/10/2024 |

Drawing Status:

**FOR PLANNING  
NOT FOR CONSTRUCTION**

**motion**  
Guldford - Reading - London  
[www.motion.co.uk](http://www.motion.co.uk)

Client:  
Lichfields

Project:  
East Claydon Greener Grid Park

Title:  
Proposed Drainage Strategy

Scale: 1:1000 (@ A1)

Drawing: 2404003-0501-02

Revision: P07



## **Appendix F**

### MicroDrainage Model Results

|                                                |                          |                                                                                     |
|------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| Motion                                         |                          | Page 1                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU |                          |  |
| Date 23/04/2025 15:44                          | Designed by Chris Gray   |                                                                                     |
| File 2404003 30Y+35% 1 of 3 WEST 230...        | Checked by Jason Morgans |                                                                                     |
| Innovyze                                       | Source Control 2020.1.3  |                                                                                     |

### Summary of Results for 30 year Return Period (+35%)

Half Drain Time : 891 minutes.

| Storm Event     | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Control (l/s) | Max E Outflow (l/s) | Max Volume (m³) | Status     |
|-----------------|---------------|---------------|------------------------|-------------------|---------------------|-----------------|------------|
| 15 min Summer   | 0.259         | 0.259         | 0.0                    | 16.5              | 16.5                | 451.0           | O K        |
| 30 min Summer   | 0.299         | 0.299         | 0.0                    | 16.6              | 16.6                | 674.6           | O K        |
| 60 min Summer   | 0.339         | 0.339         | 0.0                    | 16.6              | 16.6                | 904.2           | Flood Risk |
| 120 min Summer  | 0.387         | 0.387         | 0.0                    | 16.6              | 16.6                | 1178.8          | Flood Risk |
| 180 min Summer  | 0.412         | 0.412         | 0.0                    | 16.6              | 16.6                | 1322.9          | Flood Risk |
| 240 min Summer  | 0.426         | 0.426         | 0.0                    | 16.6              | 16.6                | 1406.7          | Flood Risk |
| 360 min Summer  | 0.439         | 0.439         | 0.0                    | 16.6              | 16.6                | 1481.7          | Flood Risk |
| 480 min Summer  | 0.442         | 0.442         | 0.0                    | 16.6              | 16.6                | 1498.8          | Flood Risk |
| 600 min Summer  | 0.440         | 0.440         | 0.0                    | 16.6              | 16.6                | 1486.6          | Flood Risk |
| 720 min Summer  | 0.435         | 0.435         | 0.0                    | 16.6              | 16.6                | 1457.6          | Flood Risk |
| 960 min Summer  | 0.424         | 0.424         | 0.0                    | 16.6              | 16.6                | 1391.6          | Flood Risk |
| 1440 min Summer | 0.403         | 0.403         | 0.0                    | 16.6              | 16.6                | 1270.4          | Flood Risk |
| 2160 min Summer | 0.377         | 0.377         | 0.0                    | 16.6              | 16.6                | 1119.3          | Flood Risk |
| 2880 min Summer | 0.355         | 0.355         | 0.0                    | 16.6              | 16.6                | 993.0           | Flood Risk |
| 4320 min Summer | 0.319         | 0.319         | 0.0                    | 16.6              | 16.6                | 789.7           | Flood Risk |
| 5760 min Summer | 0.291         | 0.291         | 0.0                    | 16.6              | 16.6                | 629.3           | O K        |
| 15 min Winter   | 0.271         | 0.271         | 0.0                    | 16.5              | 16.5                | 516.5           | O K        |
| 30 min Winter   | 0.315         | 0.315         | 0.0                    | 16.6              | 16.6                | 768.1           | Flood Risk |
| 60 min Winter   | 0.361         | 0.361         | 0.0                    | 16.6              | 16.6                | 1026.9          | Flood Risk |
| 120 min Winter  | 0.415         | 0.415         | 0.0                    | 16.6              | 16.6                | 1340.2          | Flood Risk |
| 180 min Winter  | 0.444         | 0.444         | 0.0                    | 16.6              | 16.6                | 1507.4          | Flood Risk |
| 240 min Winter  | 0.461         | 0.461         | 0.0                    | 16.6              | 16.6                | 1607.3          | Flood Risk |
| 360 min Winter  | 0.477         | 0.477         | 0.0                    | 16.6              | 16.6                | 1703.1          | Flood Risk |
| 480 min Winter  | 0.482         | 0.482         | 0.0                    | 16.6              | 16.6                | 1734.2          | Flood Risk |
| 600 min Winter  | 0.482         | 0.482         | 0.0                    | 16.6              | 16.6                | 1732.6          | Flood Risk |
| 720 min Winter  | 0.478         | 0.478         | 0.0                    | 16.6              | 16.6                | 1711.7          | Flood Risk |
| 960 min Winter  | 0.466         | 0.466         | 0.0                    | 16.6              | 16.6                | 1636.1          | Flood Risk |
| 1440 min Winter | 0.439         | 0.439         | 0.0                    | 16.6              | 16.6                | 1477.6          | Flood Risk |
| 2160 min Winter | 0.402         | 0.402         | 0.0                    | 16.6              | 16.6                | 1267.0          | Flood Risk |
| 2880 min Winter | 0.370         | 0.370         | 0.0                    | 16.6              | 16.6                | 1077.2          | Flood Risk |
| 4320 min Winter | 0.315         | 0.315         | 0.0                    | 16.6              | 16.6                | 763.9           | Flood Risk |
| 5760 min Winter | 0.271         | 0.271         | 0.0                    | 16.5              | 16.5                | 521.9           | O K        |

| Storm Event     | Rain (mm/hr) | Flooded Volume (m³) | Discharge Volume (m³) | Time-Peak (mins) |
|-----------------|--------------|---------------------|-----------------------|------------------|
| 15 min Summer   | 81.756       | 0.0                 | 460.6                 | 26               |
| 30 min Summer   | 58.320       | 0.0                 | 692.3                 | 41               |
| 60 min Summer   | 38.516       | 0.0                 | 947.1                 | 70               |
| 120 min Summer  | 25.252       | 0.0                 | 1266.2                | 128              |
| 180 min Summer  | 19.224       | 0.0                 | 1455.9                | 188              |
| 240 min Summer  | 15.653       | 0.0                 | 1586.0                | 246              |
| 360 min Summer  | 11.509       | 0.0                 | 1753.9                | 364              |
| 480 min Summer  | 9.166        | 0.0                 | 1863.9                | 482              |
| 600 min Summer  | 7.650        | 0.0                 | 1944.1                | 602              |
| 720 min Summer  | 6.584        | 0.0                 | 2006.2                | 692              |
| 960 min Summer  | 5.171        | 0.0                 | 2096.2                | 790              |
| 1440 min Summer | 3.671        | 0.0                 | 2218.0                | 1030             |
| 2160 min Summer | 2.615        | 0.0                 | 2370.1                | 1432             |
| 2880 min Summer | 2.066        | 0.0                 | 2480.3                | 1828             |
| 4320 min Summer | 1.502        | 0.0                 | 2670.3                | 2604             |
| 5760 min Summer | 1.210        | 0.0                 | 2842.0                | 3352             |
| 15 min Winter   | 81.756       | 0.0                 | 526.0                 | 26               |
| 30 min Winter   | 58.320       | 0.0                 | 785.1                 | 40               |
| 60 min Winter   | 38.516       | 0.0                 | 1071.0                | 68               |
| 120 min Winter  | 25.252       | 0.0                 | 1428.4                | 126              |
| 180 min Winter  | 19.224       | 0.0                 | 1641.0                | 184              |
| 240 min Winter  | 15.653       | 0.0                 | 1786.7                | 242              |
| 360 min Winter  | 11.509       | 0.0                 | 1974.8                | 358              |
| 480 min Winter  | 9.167        | 0.0                 | 2097.9                | 472              |
| 600 min Winter  | 7.650        | 0.0                 | 2187.6                | 586              |
| 720 min Winter  | 6.584        | 0.0                 | 2256.9                | 696              |
| 960 min Winter  | 5.171        | 0.0                 | 2356.2                | 904              |
| 1440 min Winter | 3.671        | 0.0                 | 2478.6                | 1116             |
| 2160 min Winter | 2.615        | 0.0                 | 2673.2                | 1564             |
| 2880 min Winter | 2.066        | 0.0                 | 2799.6                | 1992             |
| 4320 min Winter | 1.502        | 0.0                 | 3019.5                | 2812             |
| 5760 min Winter | 1.210        | 0.0                 | 3217.8                | 3528             |

|                                                |                          |                                                                                     |
|------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| Motion                                         |                          | Page 2                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU |                          |  |
| Date 23/04/2025 15:44                          | Designed by Chris Gray   |                                                                                     |
| File 2404003 30Y+35% 1 of 3 WEST 230...        | Checked by Jason Morgans |                                                                                     |
| Innovyze                                       |                          | Source Control 2020.1.3                                                             |

#### Rainfall Details

|                       |                                 |                       |       |
|-----------------------|---------------------------------|-----------------------|-------|
| Rainfall Model        | FEH                             | Winter Storms         | Yes   |
| Return Period (years) | 30                              | Cv (Summer)           | 0.750 |
| FEH Rainfall Version  | 2013                            | Cv (Winter)           | 0.840 |
| Site Location         | GB 474700 227450 SP 74700 27450 | Shortest Storm (mins) | 15    |
| Data Type             | Catchment                       | Longest Storm (mins)  | 5760  |
| Summer Storms         | Yes                             | Climate Change %      | +35   |

#### Time Area Diagram

Total Area (ha) 3.578

| Time (mins) | Area (ha) | Time (mins) | Area (ha) | Time (mins) | Area (ha) |
|-------------|-----------|-------------|-----------|-------------|-----------|
| From:       | To:       | From:       | To:       | From:       | To:       |
| 0           | 4 1.193   | 4           | 8 1.193   | 8           | 12 1.193  |

|                                                                  |                                                    |                                                                                     |
|------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------|
| Motion                                                           |                                                    | Page 3                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU                   |                                                    |  |
| Date 23/04/2025 15:44<br>File 2404003 30Y+35% 1 of 3 WEST 230... | Designed by Chris Gray<br>Checked by Jason Morgans |                                                                                     |
| Innovyze                                                         | Source Control 2020.1.3                            |                                                                                     |

Model Details

Storage is Online Cover Level (m) 0.600

Complex Structure

Swale

|                                      |         |                  |       |                            |       |
|--------------------------------------|---------|------------------|-------|----------------------------|-------|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Invert Level (m) | 0.000 | Slope (1:X)                | 109.0 |
| Infiltration Coefficient Side (m/hr) | 0.00000 | Base Width (m)   | 2.0   | Cap Volume Depth (m)       | 0.000 |
| Safety Factor                        | 2.0     | Length (m)       | 60.0  | Cap Infiltration Depth (m) | 0.000 |
| Porosity                             | 1.00    | Side Slope (1:X) | 3.0   |                            |       |

Tank or Pond

Invert Level (m) 0.000

| Depth (m) | Area (m²) | Depth (m) | Area (m²) |
|-----------|-----------|-----------|-----------|
| 0.000     | 85.0      | 0.600     | 182.0     |

Tank or Pond

Invert Level (m) 0.000

| Depth (m) | Area (m²) | Depth (m) | Area (m²) |
|-----------|-----------|-----------|-----------|
| 0.000     | 463.0     | 0.600     | 648.0     |

Porous Car Park

|                                      |         |                  |       |                         |     |
|--------------------------------------|---------|------------------|-------|-------------------------|-----|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Porosity         | 0.30  | Slope (1:X)             | 0.0 |
| Membrane Percolation (mm/hr)         | 1000    | Invert Level (m) | 0.200 | Depression Storage (mm) | 5   |
| Max Percolation (l/s)                | 4494.4  | Width (m)        | 127.2 | Evaporation (mm/day)    | 3   |
| Safety Factor                        | 2.0     | Length (m)       | 127.2 | Membrane Depth (m)      | 0   |

Swale

|                                      |         |                  |       |                            |       |
|--------------------------------------|---------|------------------|-------|----------------------------|-------|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Invert Level (m) | 0.300 | Slope (1:X)                | 268.0 |
| Infiltration Coefficient Side (m/hr) | 0.00000 | Base Width (m)   | 2.3   | Cap Volume Depth (m)       | 0.000 |
| Safety Factor                        | 2.0     | Length (m)       | 53.0  | Cap Infiltration Depth (m) | 0.000 |
| Porosity                             | 1.00    | Side Slope (1:X) | 3.0   |                            |       |

Hydro-Brake® Optimum Outflow Control

|                   |                            |                                   |       |
|-------------------|----------------------------|-----------------------------------|-------|
| Unit Reference    | MD-SHE-0185-1660-0885-1660 | Sump Available                    | Yes   |
| Design Head (m)   | 0.885                      | Diameter (mm)                     | 185   |
| Design Flow (l/s) | 16.6                       | Invert Level (m)                  | 0.000 |
| Flush-Flo™        | Calculated                 | Minimum Outlet Pipe Diameter (mm) | 225   |
| Objective         | Minimise upstream storage  | Suggested Manhole Diameter (mm)   | 1200  |
| Application       | Surface                    |                                   |       |

| Control Points            | Head (m) | Flow (l/s) | Control Points            | Head (m) | Flow (l/s) |
|---------------------------|----------|------------|---------------------------|----------|------------|
| Design Point (Calculated) | 0.885    | 16.6       | Kick-Flo®                 | 0.647    | 14.3       |
| Flush-Flo™                | 0.311    | 16.6       | Mean Flow over Head Range | -        | 13.9       |

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

| Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) |
|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| 0.100     | 6.5        | 0.600     | 15.1       | 1.600     | 22.0       | 2.600     | 27.8       | 5.000     | 38.0       | 7.500     | 46.3       |
| 0.200     | 16.1       | 0.800     | 15.8       | 1.800     | 23.3       | 3.000     | 29.7       | 5.500     | 39.8       | 8.000     | 47.8       |
| 0.300     | 16.6       | 1.000     | 17.6       | 2.000     | 24.5       | 3.500     | 32.0       | 6.000     | 41.6       | 8.500     | 49.2       |
| 0.400     | 16.4       | 1.200     | 19.2       | 2.200     | 25.6       | 4.000     | 34.2       | 6.500     | 43.2       | 9.000     | 50.3       |
| 0.500     | 16.0       | 1.400     | 20.6       | 2.400     | 26.7       | 4.500     | 36.2       | 7.000     | 44.8       | 9.500     | 51.7       |

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|                                                |                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------|
| Motion                                         | Page 1                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU |  |
| Date 23/04/2025 11:33                          |                                                                                     |
| File 2404003 30Y+35% 2 of 3 EAST 230...        |                                                                                     |
| Innovyze                                       | Source Control 2020.1.3                                                             |

### Summary of Results for 30 year Return Period (+35%)

Half Drain Time : 1287 minutes.

| Storm Event     | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Control (l/s) | Max E Outflow (l/s) | Max Volume (m³) | Status     |
|-----------------|---------------|---------------|------------------------|-------------------|---------------------|-----------------|------------|
| 15 min Summer   | 0.370         | 0.370         | 0.0                    | 16.7              | 16.7                | 601.2           | O K        |
| 30 min Summer   | 0.429         | 0.429         | 0.0                    | 16.7              | 16.7                | 902.0           | O K        |
| 60 min Summer   | 0.466         | 0.466         | 0.0                    | 16.7              | 16.7                | 1215.8          | O K        |
| 120 min Summer  | 0.510         | 0.510         | 0.0                    | 16.7              | 16.7                | 1600.7          | Flood Risk |
| 180 min Summer  | 0.535         | 0.535         | 0.0                    | 16.7              | 16.7                | 1812.4          | Flood Risk |
| 240 min Summer  | 0.550         | 0.550         | 0.0                    | 16.7              | 16.7                | 1944.5          | Flood Risk |
| 360 min Summer  | 0.567         | 0.567         | 0.0                    | 16.7              | 16.7                | 2085.5          | Flood Risk |
| 480 min Summer  | 0.574         | 0.574         | 0.0                    | 16.7              | 16.7                | 2149.5          | Flood Risk |
| 600 min Summer  | 0.577         | 0.577         | 0.0                    | 16.7              | 16.7                | 2173.7          | Flood Risk |
| 720 min Summer  | 0.577         | 0.577         | 0.0                    | 16.7              | 16.7                | 2173.8          | Flood Risk |
| 960 min Summer  | 0.572         | 0.572         | 0.0                    | 16.7              | 16.7                | 2128.6          | Flood Risk |
| 1440 min Summer | 0.557         | 0.557         | 0.0                    | 16.7              | 16.7                | 2003.5          | Flood Risk |
| 2160 min Summer | 0.539         | 0.539         | 0.0                    | 16.7              | 16.7                | 1847.8          | Flood Risk |
| 2880 min Summer | 0.524         | 0.524         | 0.0                    | 16.7              | 16.7                | 1713.9          | Flood Risk |
| 4320 min Summer | 0.498         | 0.498         | 0.0                    | 16.7              | 16.7                | 1493.4          | O K        |
| 5760 min Summer | 0.477         | 0.477         | 0.0                    | 16.7              | 16.7                | 1311.5          | O K        |
| 15 min Winter   | 0.404         | 0.404         | 0.0                    | 16.7              | 16.7                | 688.3           | O K        |
| 30 min Winter   | 0.444         | 0.444         | 0.0                    | 16.7              | 16.7                | 1026.4          | O K        |
| 60 min Winter   | 0.485         | 0.485         | 0.0                    | 16.7              | 16.7                | 1379.3          | O K        |
| 120 min Winter  | 0.535         | 0.535         | 0.0                    | 16.7              | 16.7                | 1814.8          | Flood Risk |
| 180 min Winter  | 0.563         | 0.563         | 0.0                    | 16.7              | 16.7                | 2057.2          | Flood Risk |
| 240 min Winter  | 0.581         | 0.581         | 0.0                    | 16.7              | 16.7                | 2210.4          | Flood Risk |
| 360 min Winter  | 0.600         | 0.600         | 0.0                    | 16.7              | 16.7                | 2379.4          | Flood Risk |
| 480 min Winter  | 0.610         | 0.610         | 0.0                    | 16.7              | 16.7                | 2461.1          | Flood Risk |
| 600 min Winter  | 0.614         | 0.614         | 0.0                    | 16.7              | 16.7                | 2498.4          | Flood Risk |
| 720 min Winter  | 0.615         | 0.615         | 0.0                    | 16.7              | 16.7                | 2508.8          | Flood Risk |
| 960 min Winter  | 0.612         | 0.612         | 0.0                    | 16.7              | 16.7                | 2481.0          | Flood Risk |
| 1440 min Winter | 0.597         | 0.597         | 0.0                    | 16.7              | 16.7                | 2350.0          | Flood Risk |
| 2160 min Winter | 0.572         | 0.572         | 0.0                    | 16.7              | 16.7                | 2132.6          | Flood Risk |
| 2880 min Winter | 0.550         | 0.550         | 0.0                    | 16.7              | 16.7                | 1943.1          | Flood Risk |
| 4320 min Winter | 0.511         | 0.511         | 0.0                    | 16.7              | 16.7                | 1603.7          | Flood Risk |
| 5760 min Winter | 0.477         | 0.477         | 0.0                    | 16.7              | 16.7                | 1311.7          | O K        |

| Storm Event     | Rain (mm/hr) | Flooded Volume (m³) | Discharge Volume (m³) | Time-Peak (mins) |
|-----------------|--------------|---------------------|-----------------------|------------------|
| 15 min Summer   | 81.756       | 0.0                 | 574.1                 | 26               |
| 30 min Summer   | 58.320       | 0.0                 | 868.6                 | 41               |
| 60 min Summer   | 38.516       | 0.0                 | 1233.5                | 70               |
| 120 min Summer  | 25.252       | 0.0                 | 1650.3                | 130              |
| 180 min Summer  | 19.224       | 0.0                 | 1895.1                | 188              |
| 240 min Summer  | 15.653       | 0.0                 | 2060.1                | 248              |
| 360 min Summer  | 11.509       | 0.0                 | 2265.5                | 366              |
| 480 min Summer  | 9.166        | 0.0                 | 2389.6                | 486              |
| 600 min Summer  | 7.650        | 0.0                 | 2467.1                | 604              |
| 720 min Summer  | 6.584        | 0.0                 | 2510.0                | 724              |
| 960 min Summer  | 5.171        | 0.0                 | 2505.6                | 960              |
| 1440 min Summer | 3.671        | 0.0                 | 2380.0                | 1178             |
| 2160 min Summer | 2.615        | 0.0                 | 3123.0                | 1540             |
| 2880 min Summer | 2.066        | 0.0                 | 3264.4                | 1936             |
| 4320 min Summer | 1.502        | 0.0                 | 3500.8                | 2732             |
| 5760 min Summer | 1.210        | 0.0                 | 3755.2                | 3520             |
| 15 min Winter   | 81.756       | 0.0                 | 658.1                 | 26               |
| 30 min Winter   | 58.320       | 0.0                 | 983.6                 | 40               |
| 60 min Winter   | 38.516       | 0.0                 | 1395.9                | 70               |
| 120 min Winter  | 25.252       | 0.0                 | 1860.3                | 128              |
| 180 min Winter  | 19.224       | 0.0                 | 2130.2                | 186              |
| 240 min Winter  | 15.653       | 0.0                 | 2307.9                | 244              |
| 360 min Winter  | 11.509       | 0.0                 | 2510.9                | 360              |
| 480 min Winter  | 9.167        | 0.0                 | 2590.9                | 478              |
| 600 min Winter  | 7.650        | 0.0                 | 2577.6                | 592              |
| 720 min Winter  | 6.584        | 0.0                 | 2543.4                | 708              |
| 960 min Winter  | 5.171        | 0.0                 | 2480.5                | 932              |
| 1440 min Winter | 3.671        | 0.0                 | 2368.7                | 1360             |
| 2160 min Winter | 2.615        | 0.0                 | 3521.8                | 1672             |
| 2880 min Winter | 2.066        | 0.0                 | 3683.3                | 2112             |
| 4320 min Winter | 1.502        | 0.0                 | 3950.7                | 2988             |
| 5760 min Winter | 1.210        | 0.0                 | 4254.7                | 3808             |

|                                                |                          |                                                                                     |
|------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| Motion                                         |                          | Page 2                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU |                          |  |
| Date 23/04/2025 11:33                          | Designed by Chris Gray   |                                                                                     |
| File 2404003 30Y+35% 2 of 3 EAST 230...        | Checked by Jason Morgans |                                                                                     |
| Innovyze                                       | Source Control 2020.1.3  |                                                                                     |

#### Rainfall Details

|                       |                                 |                       |       |
|-----------------------|---------------------------------|-----------------------|-------|
| Rainfall Model        | FEH                             | Winter Storms         | Yes   |
| Return Period (years) | 30                              | Cv (Summer)           | 0.750 |
| FEH Rainfall Version  | 2013                            | Cv (Winter)           | 0.840 |
| Site Location         | GB 474700 227450 SP 74700 27450 | Shortest Storm (mins) | 15    |
| Data Type             | Catchment                       | Longest Storm (mins)  | 5760  |
| Summer Storms         | Yes                             | Climate Change %      | +35   |

#### Time Area Diagram

Total Area (ha) 4.755

| Time (mins) | Area  | Time (mins) | Area  | Time (mins) | Area  |
|-------------|-------|-------------|-------|-------------|-------|
| From: To:   | (ha)  | From: To:   | (ha)  | From: To:   | (ha)  |
| 0 4         | 1.585 | 4 8         | 1.585 | 8 12        | 1.585 |

|                                                |                          |                                                                                     |
|------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| Motion                                         |                          | Page 3                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU |                          |  |
| Date 23/04/2025 11:33                          | Designed by Chris Gray   |                                                                                     |
| File 2404003 30Y+35% 2 of 3 EAST 230...        | Checked by Jason Morgans |                                                                                     |
| Innovyze                                       | Source Control 2020.1.3  |                                                                                     |

Model Details

Storage is Online Cover Level (m) 0.800

Complex Structure

Tank or Pond

Invert Level (m) 0.000

| Depth (m) | Area (m²) | Depth (m) | Area (m²) |
|-----------|-----------|-----------|-----------|
| 0.000     | 1477.0    | 0.800     | 2153.0    |

Porous Car Park

|                                      |         |                  |       |                         |     |
|--------------------------------------|---------|------------------|-------|-------------------------|-----|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Porosity         | 0.30  | Slope (1:X)             | 0.0 |
| Membrane Percolation (mm/hr)         | 1000    | Invert Level (m) | 0.400 | Depression Storage (mm) | 5   |
| Max Percolation (l/s)                | 6225.0  | Width (m)        | 149.7 | Evaporation (mm/day)    | 3   |
| Safety Factor                        | 2.0     | Length (m)       | 149.7 | Membrane Depth (m)      | 0   |

Hydro-Brake® Optimum Outflow Control

|                   |                            |                                   |       |
|-------------------|----------------------------|-----------------------------------|-------|
| Unit Reference    | MD-SHE-0186-1670-0800-1670 | Sump Available                    | Yes   |
| Design Head (m)   | 0.800                      | Diameter (mm)                     | 186   |
| Design Flow (l/s) | 16.7                       | Invert Level (m)                  | 0.000 |
| Flush-Flo™        | Calculated                 | Minimum Outlet Pipe Diameter (mm) | 225   |
| Objective         | Minimise upstream storage  | Suggested Manhole Diameter (mm)   | 1200  |
| Application       | Surface                    |                                   |       |

| Control Points            | Head (m) | Flow (l/s) | Control Points            | Head (m) | Flow (l/s) |
|---------------------------|----------|------------|---------------------------|----------|------------|
| Design Point (Calculated) | 0.800    | 16.7       | Kick-Flo®                 | 0.596    | 14.5       |
| Flush-Flo™                | 0.298    | 16.7       | Mean Flow over Head Range | -        | 13.8       |

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

| Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) |
|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| 0.100     | 6.5        | 0.600     | 14.6       | 1.600     | 23.2       | 2.600     | 29.3       | 5.000     | 40.2       | 7.500     | 48.9       |
| 0.200     | 16.2       | 0.800     | 16.7       | 1.800     | 24.6       | 3.000     | 31.4       | 5.500     | 42.1       | 8.000     | 50.5       |
| 0.300     | 16.7       | 1.000     | 18.6       | 2.000     | 25.8       | 3.500     | 33.8       | 6.000     | 43.9       | 8.500     | 51.8       |
| 0.400     | 16.4       | 1.200     | 20.2       | 2.200     | 27.1       | 4.000     | 36.1       | 6.500     | 45.6       | 9.000     | 53.3       |
| 0.500     | 15.9       | 1.400     | 21.8       | 2.400     | 28.2       | 4.500     | 38.2       | 7.000     | 47.3       | 9.500     | 54.7       |

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| Motion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <p><u>Summary of Results for 30 year Return Period (+35%)</u></p> <p>Half Drain Time : 1176 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 Control (l/s)</th><th>Max E Outflow (l/s)</th><th>Max Volume (m³)</th><th>Status</th></tr><tr><td>15 min Summer</td><td>0.036</td><td>0.036</td><td>0.0</td><td>0.4</td><td>0.4</td><td>29.7</td><td>O K</td></tr><tr><td>30 min Summer</td><td>0.058</td><td>0.058</td><td>0.0</td><td>0.7</td><td>0.7</td><td>47.8</td><td>O K</td></tr><tr><td>60 min Summer</td><td>0.081</td><td>0.081</td><td>0.0</td><td>1.0</td><td>1.0</td><td>66.6</td><td>O K</td></tr><tr><td>120 min Summer</td><td>0.109</td><td>0.109</td><td>0.0</td><td>1.0</td><td>1.0</td><td>89.8</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>0.124</td><td>0.124</td><td>0.0</td><td>1.1</td><td>1.1</td><td>102.7</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>0.134</td><td>0.134</td><td>0.0</td><td>1.1</td><td>1.1</td><td>110.7</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>0.144</td><td>0.144</td><td>0.0</td><td>1.1</td><td>1.1</td><td>119.4</td><td>Flood Risk</td></tr><tr><td>480 min Summer</td><td>0.149</td><td>0.149</td><td>0.0</td><td>1.1</td><td>1.1</td><td>123.5</td><td>Flood Risk</td></tr><tr><td>600 min Summer</td><td>0.151</td><td>0.151</td><td>0.0</td><td>1.1</td><td>1.1</td><td>125.2</td><td>Flood Risk</td></tr><tr><td>720 min Summer</td><td>0.152</td><td>0.152</td><td>0.0</td><td>1.1</td><td>1.1</td><td>125.4</td><td>Flood Risk</td></tr><tr><td>960 min Summer</td><td>0.150</td><td>0.150</td><td>0.0</td><td>1.1</td><td>1.1</td><td>123.7</td><td>Flood Risk</td></tr><tr><td>1440 min Summer</td><td>0.146</td><td>0.146</td><td>0.0</td><td>1.1</td><td>1.1</td><td>120.4</td><td>Flood Risk</td></tr><tr><td>2160 min Summer</td><td>0.140</td><td>0.140</td><td>0.0</td><td>1.1</td><td>1.1</td><td>115.7</td><td>Flood Risk</td></tr><tr><td>2880 min Summer</td><td>0.134</td><td>0.134</td><td>0.0</td><td>1.1</td><td>1.1</td><td>111.1</td><td>Flood Risk</td></tr><tr><td>4320 min Summer</td><td>0.124</td><td>0.124</td><td>0.0</td><td>1.1</td><td>1.1</td><td>102.9</td><td>Flood Risk</td></tr><tr><td>5760 min Summer</td><td>0.116</td><td>0.116</td><td>0.0</td><td>1.0</td><td>1.0</td><td>95.7</td><td>Flood Risk</td></tr><tr><td>15 min Winter</td><td>0.042</td><td>0.042</td><td>0.0</td><td>0.5</td><td>0.5</td><td>34.9</td><td>O K</td></tr><tr><td>30 min Winter</td><td>0.067</td><td>0.067</td><td>0.0</td><td>0.8</td><td>0.8</td><td>55.2</td><td>O K</td></tr><tr><td>60 min Winter</td><td>0.092</td><td>0.092</td><td>0.0</td><td>1.0</td><td>1.0</td><td>76.4</td><td>O K</td></tr><tr><td>120 min Winter</td><td>0.124</td><td>0.124</td><td>0.0</td><td>1.1</td><td>1.1</td><td>102.6</td><td>Flood Risk</td></tr><tr><td>180 min Winter</td><td>0.142</td><td>0.142</td><td>0.0</td><td>1.1</td><td>1.1</td><td>117.3</td><td>Flood Risk</td></tr><tr><td>240 min Winter</td><td>0.153</td><td>0.153</td><td>0.0</td><td>1.1</td><td>1.1</td><td>126.5</td><td>Flood Risk</td></tr><tr><td>360 min Winter</td><td>0.165</td><td>0.165</td><td>0.0</td><td>1.1</td><td>1.1</td><td>136.7</td><td>Flood Risk</td></tr><tr><td>480 min Winter</td><td>0.171</td><td>0.171</td><td>0.0</td><td>1.1</td><td>1.1</td><td>141.7</td><td>Flood Risk</td></tr><tr><td>600 min Winter</td><td>0.174</td><td>0.174</td><td>0.0</td><td>1.1</td><td>1.1</td><td>144.1</td><td>Flood Risk</td></tr><tr><td>720 min Winter</td><td>0.175</td><td>0.175</td><td>0.0</td><td>1.1</td><td>1.1</td><td>144.8</td><td>Flood Risk</td></tr><tr><td>960 min Winter</td><td>0.174</td><td>0.174</td><td>0.0</td><td>1.1</td><td>1.1</td><td>143.5</td><td>Flood Risk</td></tr><tr><td>1440 min Winter</td><td>0.166</td><td>0.166</td><td>0.0</td><td>1.1</td><td>1.1</td><td>137.6</td><td>Flood Risk</td></tr><tr><td>2160 min Winter</td><td>0.157</td><td>0.157</td><td>0.0</td><td>1.1</td><td>1.1</td><td>130.2</td><td>Flood Risk</td></tr><tr><td>2880 min Winter</td><td>0.148</td><td>0.148</td><td>0.0</td><td>1.1</td><td>1.1</td><td>122.6</td><td>Flood Risk</td></tr><tr><td>4320 min Winter</td><td>0.131</td><td>0.131</td><td>0.0</td><td>1.1</td><td>1.1</td><td>108.7</td><td>Flood Risk</td></tr><tr><td>5760 min Winter</td><td>0.117</td><td>0.117</td><td>0.0</td><td>1.0</td><td>1.0</td><td>96.6</td><td>Flood Risk</td></tr></table><br><table><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Discharge Volume (m³)</th><th>Time-Peak (mins)</th></tr><tr><td>15 min Summer</td><td>81.756</td><td>0.0</td><td>17.2</td><td>27</td></tr><tr><td>30 min Summer</td><td>58.320</td><td>0.0</td><td>32.0</td><td>41</td></tr><tr><td>60 min Summer</td><td>38.516</td><td>0.0</td><td>58.0</td><td>70</td></tr><tr><td>120 min Summer</td><td>25.252</td><td>0.0</td><td>81.3</td><td>130</td></tr><tr><td>180 min Summer</td><td>19.224</td><td>0.0</td><td>94.8</td><td>188</td></tr><tr><td>240 min Summer</td><td>15.653</td><td>0.0</td><td>103.7</td><td>248</td></tr><tr><td>360 min Summer</td><td>11.509</td><td>0.0</td><td>114.6</td><td>366</td></tr><tr><td>480 min Summer</td><td>9.166</td><td>0.0</td><td>121.1</td><td>484</td></tr><tr><td>600 min Summer</td><td>7.650</td><td>0.0</td><td>125.3</td><td>602</td></tr><tr><td>720 min Summer</td><td>6.584</td><td>0.0</td><td>128.1</td><td>720</td></tr><tr><td>960 min Summer</td><td>5.171</td><td>0.0</td><td>130.9</td><td>848</td></tr><tr><td>1440 min Summer</td><td>3.671</td><td>0.0</td><td>130.5</td><td>1084</td></tr><tr><td>2160 min Summer</td><td>2.615</td><td>0.0</td><td>166.2</td><td>1476</td></tr><tr><td>2880 min Summer</td><td>2.066</td><td>0.0</td><td>171.3</td><td>1880</td></tr><tr><td>4320 min Summer</td><td>1.502</td><td>0.0</td><td>177.4</td><td>2684</td></tr><tr><td>5760 min Summer</td><td>1.210</td><td>0.0</td><td>198.1</td><td>3464</td></tr><tr><td>15 min Winter</td><td>81.756</td><td>0.0</td><td>21.3</td><td>26</td></tr><tr><td>30 min Winter</td><td>58.320</td><td>0.0</td><td>38.0</td><td>41</td></tr><tr><td>60 min Winter</td><td>38.516</td><td>0.0</td><td>67.2</td><td>70</td></tr><tr><td>120 min Winter</td><td>25.252</td><td>0.0</td><td>93.2</td><td>128</td></tr><tr><td>180 min Winter</td><td>19.224</td><td>0.0</td><td>108.0</td><td>186</td></tr><tr><td>240 min Winter</td><td>15.653</td><td>0.0</td><td>117.7</td><td>244</td></tr><tr><td>360 min Winter</td><td>11.509</td><td>0.0</td><td>129.4</td><td>360</td></tr><tr><td>480 min Winter</td><td>9.167</td><td>0.0</td><td>136.1</td><td>474</td></tr><tr><td>600 min Winter</td><td>7.650</td><td>0.0</td><td>140.2</td><td>588</td></tr><tr><td>720 min Winter</td><td>6.584</td><td>0.0</td><td>142.8</td><td>700</td></tr><tr><td>960 min Winter</td><td>5.171</td><td>0.0</td><td>144.6</td><td>918</td></tr><tr><td>1440 min Winter</td><td>3.671</td><td>0.0</td><td>141.8</td><td>1156</td></tr><tr><td>2160 min Winter</td><td>2.615</td><td>0.0</td><td>189.6</td><td>1604</td></tr><tr><td>2880 min Winter</td><td>2.066</td><td>0.0</td><td>195.7</td><td>2052</td></tr><tr><td>4320 min Winter</td><td>1.502</td><td>0.0</td><td>203.1</td><td>2900</td></tr><tr><td>5760 min Winter</td><td>1.210</td><td>0.0</td><td>228.4</td><td>3696</td></tr></table> |               |                                                                                     | Storm Event                                        | Max Level (m)     | Max Depth (m)       | Max Infiltration (l/s) | Max Control (l/s) | Max E Outflow (l/s) | Max Volume (m³) | Status | 15 min Summer | 0.036 | 0.036 | 0.0 | 0.4 | 0.4 | 29.7 | O K | 30 min Summer | 0.058 | 0.058 | 0.0 | 0.7 | 0.7 | 47.8 | O K | 60 min Summer | 0.081 | 0.081 | 0.0 | 1.0 | 1.0 | 66.6 | O K | 120 min Summer | 0.109 | 0.109 | 0.0 | 1.0 | 1.0 | 89.8 | Flood Risk | 180 min Summer | 0.124 | 0.124 | 0.0 | 1.1 | 1.1 | 102.7 | Flood Risk | 240 min Summer | 0.134 | 0.134 | 0.0 | 1.1 | 1.1 | 110.7 | Flood Risk | 360 min Summer | 0.144 | 0.144 | 0.0 | 1.1 | 1.1 | 119.4 | Flood Risk | 480 min Summer | 0.149 | 0.149 | 0.0 | 1.1 | 1.1 | 123.5 | Flood Risk | 600 min Summer | 0.151 | 0.151 | 0.0 | 1.1 | 1.1 | 125.2 | Flood Risk | 720 min Summer | 0.152 | 0.152 | 0.0 | 1.1 | 1.1 | 125.4 | Flood Risk | 960 min Summer | 0.150 | 0.150 | 0.0 | 1.1 | 1.1 | 123.7 | Flood Risk | 1440 min Summer | 0.146 | 0.146 | 0.0 | 1.1 | 1.1 | 120.4 | Flood Risk | 2160 min Summer | 0.140 | 0.140 | 0.0 | 1.1 | 1.1 | 115.7 | Flood Risk | 2880 min Summer | 0.134 | 0.134 | 0.0 | 1.1 | 1.1 | 111.1 | Flood Risk | 4320 min Summer | 0.124 | 0.124 | 0.0 | 1.1 | 1.1 | 102.9 | Flood Risk | 5760 min Summer | 0.116 | 0.116 | 0.0 | 1.0 | 1.0 | 95.7 | Flood Risk | 15 min Winter | 0.042 | 0.042 | 0.0 | 0.5 | 0.5 | 34.9 | O K | 30 min Winter | 0.067 | 0.067 | 0.0 | 0.8 | 0.8 | 55.2 | O K | 60 min Winter | 0.092 | 0.092 | 0.0 | 1.0 | 1.0 | 76.4 | O K | 120 min Winter | 0.124 | 0.124 | 0.0 | 1.1 | 1.1 | 102.6 | Flood Risk | 180 min Winter | 0.142 | 0.142 | 0.0 | 1.1 | 1.1 | 117.3 | Flood Risk | 240 min Winter | 0.153 | 0.153 | 0.0 | 1.1 | 1.1 | 126.5 | Flood Risk | 360 min Winter | 0.165 | 0.165 | 0.0 | 1.1 | 1.1 | 136.7 | Flood Risk | 480 min Winter | 0.171 | 0.171 | 0.0 | 1.1 | 1.1 | 141.7 | Flood Risk | 600 min Winter | 0.174 | 0.174 | 0.0 | 1.1 | 1.1 | 144.1 | Flood Risk | 720 min Winter | 0.175 | 0.175 | 0.0 | 1.1 | 1.1 | 144.8 | Flood Risk | 960 min Winter | 0.174 | 0.174 | 0.0 | 1.1 | 1.1 | 143.5 | Flood Risk | 1440 min Winter | 0.166 | 0.166 | 0.0 | 1.1 | 1.1 | 137.6 | Flood Risk | 2160 min Winter | 0.157 | 0.157 | 0.0 | 1.1 | 1.1 | 130.2 | Flood Risk | 2880 min Winter | 0.148 | 0.148 | 0.0 | 1.1 | 1.1 | 122.6 | Flood Risk | 4320 min Winter | 0.131 | 0.131 | 0.0 | 1.1 | 1.1 | 108.7 | Flood Risk | 5760 min Winter | 0.117 | 0.117 | 0.0 | 1.0 | 1.0 | 96.6 | Flood Risk | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Discharge Volume (m³) | Time-Peak (mins) | 15 min Summer | 81.756 | 0.0 | 17.2 | 27 | 30 min Summer | 58.320 | 0.0 | 32.0 | 41 | 60 min Summer | 38.516 | 0.0 | 58.0 | 70 | 120 min Summer | 25.252 | 0.0 | 81.3 | 130 | 180 min Summer | 19.224 | 0.0 | 94.8 | 188 | 240 min Summer | 15.653 | 0.0 | 103.7 | 248 | 360 min Summer | 11.509 | 0.0 | 114.6 | 366 | 480 min Summer | 9.166 | 0.0 | 121.1 | 484 | 600 min Summer | 7.650 | 0.0 | 125.3 | 602 | 720 min Summer | 6.584 | 0.0 | 128.1 | 720 | 960 min Summer | 5.171 | 0.0 | 130.9 | 848 | 1440 min Summer | 3.671 | 0.0 | 130.5 | 1084 | 2160 min Summer | 2.615 | 0.0 | 166.2 | 1476 | 2880 min Summer | 2.066 | 0.0 | 171.3 | 1880 | 4320 min Summer | 1.502 | 0.0 | 177.4 | 2684 | 5760 min Summer | 1.210 | 0.0 | 198.1 | 3464 | 15 min Winter | 81.756 | 0.0 | 21.3 | 26 | 30 min Winter | 58.320 | 0.0 | 38.0 | 41 | 60 min Winter | 38.516 | 0.0 | 67.2 | 70 | 120 min Winter | 25.252 | 0.0 | 93.2 | 128 | 180 min Winter | 19.224 | 0.0 | 108.0 | 186 | 240 min Winter | 15.653 | 0.0 | 117.7 | 244 | 360 min Winter | 11.509 | 0.0 | 129.4 | 360 | 480 min Winter | 9.167 | 0.0 | 136.1 | 474 | 600 min Winter | 7.650 | 0.0 | 140.2 | 588 | 720 min Winter | 6.584 | 0.0 | 142.8 | 700 | 960 min Winter | 5.171 | 0.0 | 144.6 | 918 | 1440 min Winter | 3.671 | 0.0 | 141.8 | 1156 | 2160 min Winter | 2.615 | 0.0 | 189.6 | 1604 | 2880 min Winter | 2.066 | 0.0 | 195.7 | 2052 | 4320 min Winter | 1.502 | 0.0 | 203.1 | 2900 | 5760 min Winter | 1.210 | 0.0 | 228.4 | 3696 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Max Level (m) | Max Depth (m)                                                                       | Max Infiltration (l/s)                             | Max Control (l/s) | Max E Outflow (l/s) | Max Volume (m³)        | Status            |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |             |              |                     |                       |                  |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.036         | 0.036                                                                               | 0.0                                                | 0.4               | 0.4                 | 29.7                   | O K               |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     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| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.058         | 0.058                                                                               | 0.0                                                | 0.7               | 0.7                 | 47.8                   | O K               |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.081         | 0.081                                                                               | 0.0                                                | 1.0               | 1.0                 | 66.6                   | O K               |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.109         | 0.109                                                                               | 0.0                                                | 1.0               | 1.0                 | 89.8                   | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.124         | 0.124                                                                               | 0.0                                                | 1.1               | 1.1                 | 102.7                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.134         | 0.134                                                                               | 0.0                                                | 1.1               | 1.1                 | 110.7                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.144         | 0.144                                                                               | 0.0                                                | 1.1               | 1.1                 | 119.4                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.149         | 0.149                                                                               | 0.0                                                | 1.1               | 1.1                 | 123.5                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.151         | 0.151                                                                               | 0.0                                                | 1.1               | 1.1                 | 125.2                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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              |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |             |              |                     |                       |                  |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.152         | 0.152                                                                               | 0.0                                                | 1.1               | 1.1                 | 125.4                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.150         | 0.150                                                                               | 0.0                                                | 1.1               | 1.1                 | 123.7                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.146         | 0.146                                                                               | 0.0                                                | 1.1               | 1.1                 | 120.4                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.140         | 0.140                                                                               | 0.0                                                | 1.1               | 1.1                 | 115.7                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.134         | 0.134                                                                               | 0.0                                                | 1.1               | 1.1                 | 111.1                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.124         | 0.124                                                                               | 0.0                                                | 1.1               | 1.1                 | 102.9                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.116         | 0.116                                                                               | 0.0                                                | 1.0               | 1.0                 | 95.7                   | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.042         | 0.042                                                                               | 0.0                                                | 0.5               | 0.5                 | 34.9                   | O K               |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 30 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.067         | 0.067                                                                               | 0.0                                                | 0.8               | 0.8                 | 55.2                   | O K               |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     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| 60 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.092         | 0.092                                                                               | 0.0                                                | 1.0               | 1.0                 | 76.4                   | O K               |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 120 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.124         | 0.124                                                                               | 0.0                                                | 1.1               | 1.1                 | 102.6                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 180 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.142         | 0.142                                                                               | 0.0                                                | 1.1               | 1.1                 | 117.3                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 240 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.153         | 0.153                                                                               | 0.0                                                | 1.1               | 1.1                 | 126.5                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 360 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.165         | 0.165                                                                               | 0.0                                                | 1.1               | 1.1                 | 136.7                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 480 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.171         | 0.171                                                                               | 0.0                                                | 1.1               | 1.1                 | 141.7                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 600 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.174         | 0.174                                                                               | 0.0                                                | 1.1               | 1.1                 | 144.1                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 720 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.175         | 0.175                                                                               | 0.0                                                | 1.1               | 1.1                 | 144.8                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 960 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.174         | 0.174                                                                               | 0.0                                                | 1.1               | 1.1                 | 143.5                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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| 1440 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.166         | 0.166                                                                               | 0.0                                                | 1.1               | 1.1                 | 137.6                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 2160 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.157         | 0.157                                                                               | 0.0                                                | 1.1               | 1.1                 | 130.2                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 2880 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.148         | 0.148                                                                               | 0.0                                                | 1.1               | 1.1                 | 122.6                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 4320 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.131         | 0.131                                                                               | 0.0                                                | 1.1               | 1.1                 | 108.7                  | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 5760 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.117         | 0.117                                                                               | 0.0                                                | 1.0               | 1.0                 | 96.6                   | Flood Risk        |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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   |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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|            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |             |              |                     |                       |                  |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |               |        |     |      |    |               |        |     |      |    |               |        |     |      |    |                |        |     |      |     |                |        |     |       |     |                |        |     |       |     |                |        |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 81.756        | 0.0                                                                                 | 17.2                                               | 27                |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 58.320        | 0.0                                                                                 | 32.0                                               | 41                |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 38.516        | 0.0                                                                                 | 58.0                                               | 70                |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 25.252        | 0.0                                                                                 | 81.3                                               | 130               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 19.224        | 0.0                                                                                 | 94.8                                               | 188               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 11.509        | 0.0                                                                                 | 114.6                                              | 366               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9.166         | 0.0                                                                                 | 121.1                                              | 484               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7.650         | 0.0                                                                                 | 125.3                                              | 602               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6.584         | 0.0                                                                                 | 128.1                                              | 720               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5.171         | 0.0                                                                                 | 130.9                                              | 848               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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|            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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|       |     |                |       |     |       |     |                |       |     |       |     |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |                 |       |     |       |      |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.066         | 0.0                                                                                 | 171.3                                              | 1880              |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.502         | 0.0                                                                                 | 177.4                                              | 2684              |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.210         | 0.0                                                                                 | 198.1                                              | 3464              |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 81.756        | 0.0                                                                                 | 21.3                                               | 26                |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 30 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 58.320        | 0.0                                                                                 | 38.0                                               | 41                |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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| 60 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 38.516        | 0.0                                                                                 | 67.2                                               | 70                |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 120 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 25.252        | 0.0                                                                                 | 93.2                                               | 128               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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| 180 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 19.224        | 0.0                                                                                 | 108.0                                              | 186               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 240 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 15.653        | 0.0                                                                                 | 117.7                                              | 244               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 360 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 11.509        | 0.0                                                                                 | 129.4                                              | 360               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 480 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9.167         | 0.0                                                                                 | 136.1                                              | 474               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 600 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7.650         | 0.0                                                                                 | 140.2                                              | 588               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 720 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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|            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |       |            |                 |       |       |     |     |     |      |            |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |  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| 960 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5.171         | 0.0                                                                                 | 144.6                                              | 918               |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 1440 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.671         | 0.0                                                                                 | 141.8                                              | 1156              |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 2160 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.615         | 0.0                                                                                 | 189.6                                              | 1604              |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 2880 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 4320 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.502         | 0.0                                                                                 | 203.1                                              | 2900              |                     |                        |                   |                     |                 |        |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |               |       |       |     |     |     |      |     |                |       |       |     |     |     |      |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       |            |                |       |       |     |     |     |       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| 5760 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Motion                                         |                          | Page 2                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU |                          |  |
| Date 23/04/2025 11:51                          | Designed by Chris Gray   |                                                                                     |
| File 2404003 30Y+35% 3 of 3 SUBSTATI...        | Checked by Jason Morgans |                                                                                     |
| Innovyze                                       | Source Control 2020.1.3  |                                                                                     |

#### Rainfall Details

|                       |                                 |                       |       |
|-----------------------|---------------------------------|-----------------------|-------|
| Rainfall Model        | FEH                             | Winter Storms         | Yes   |
| Return Period (years) | 30                              | Cv (Summer)           | 0.750 |
| FEH Rainfall Version  | 2013                            | Cv (Winter)           | 0.840 |
| Site Location         | GB 474700 227450 SP 74700 27450 | Shortest Storm (mins) | 15    |
| Data Type             | Catchment                       | Longest Storm (mins)  | 5760  |
| Summer Storms         | Yes                             | Climate Change %      | +35   |

#### Time Area Diagram

Total Area (ha) 0.286

| Time (mins) | Area  | Time (mins) | Area  | Time (mins) | Area  |
|-------------|-------|-------------|-------|-------------|-------|
| From: To:   | (ha)  | From: To:   | (ha)  | From: To:   | (ha)  |
| 0 4         | 0.095 | 4 8         | 0.095 | 8 12        | 0.095 |



|                                                                  |                                                    |                                                                                     |
|------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------|
| Motion                                                           |                                                    | Page 3                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU                   |                                                    |  |
| Date 23/04/2025 11:51<br>File 2404003 30Y+35% 3 of 3 SUBSTATI... | Designed by Chris Gray<br>Checked by Jason Morgans |                                                                                     |
| Innovyze                                                         | Source Control 2020.1.3                            |                                                                                     |

### Model Details

Storage is Online Cover Level (m) 0.400

### Porous Car Park Structure

|                                      |         |                  |       |                         |     |
|--------------------------------------|---------|------------------|-------|-------------------------|-----|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Porosity         | 0.30  | Slope (1:X)             | 0.0 |
| Membrane Percolation (mm/hr)         | 1000    | Invert Level (m) | 0.000 | Depression Storage (mm) | 5   |
| Max Percolation (l/s)                | 765.6   | Width (m)        | 52.5  | Evaporation (mm/day)    | 3   |
| Safety Factor                        | 2.0     | Length (m)       | 52.5  | Membrane Depth (m)      | 0   |

### Hydro-Brake® Optimum Outflow Control

|                   |                            |                                   |       |
|-------------------|----------------------------|-----------------------------------|-------|
| Unit Reference    | MD-SHE-0054-1100-0660-1100 | Sump Available                    | Yes   |
| Design Head (m)   | 0.660                      | Diameter (mm)                     | 54    |
| Design Flow (l/s) | 1.1                        | Invert Level (m)                  | 0.000 |
| Flush-Flo™        | Calculated                 | Minimum Outlet Pipe Diameter (mm) | 75    |
| Objective         | Minimise upstream storage  | Suggested Manhole Diameter (mm)   | 1200  |
| Application       | Surface                    |                                   |       |

| Control Points            | Head (m) | Flow (l/s) | Control Points            | Head (m) | Flow (l/s) |
|---------------------------|----------|------------|---------------------------|----------|------------|
| Design Point (Calculated) | 0.660    | 1.1        | Kick-Flo®                 | 0.421    | 0.9        |
| Flush-Flo™                | 0.204    | 1.1        | Mean Flow over Head Range | -        | 1.0        |

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

| Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) |
|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| 0.100     | 1.0        | 0.600     | 1.1        | 1.600     | 1.6        | 2.600     | 2.0        | 5.000     | 2.8        | 7.500     | 3.3        |
| 0.200     | 1.1        | 0.800     | 1.2        | 1.800     | 1.7        | 3.000     | 2.2        | 5.500     | 2.9        | 8.000     | 3.5        |
| 0.300     | 1.1        | 1.000     | 1.3        | 2.000     | 1.8        | 3.500     | 2.3        | 6.000     | 3.0        | 8.500     | 3.6        |
| 0.400     | 1.0        | 1.200     | 1.4        | 2.200     | 1.9        | 4.000     | 2.5        | 6.500     | 3.1        | 9.000     | 3.7        |
| 0.500     | 1.0        | 1.400     | 1.5        | 2.400     | 2.0        | 4.500     | 2.6        | 7.000     | 3.2        | 9.500     | 3.8        |

| Motion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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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 : 1194 minutes.</p> <table><thead><tr><th>Storm Event</th><th>Max Level (m)</th><th>Max Depth (m)</th><th>Max Infiltration (l/s)</th><th>Max Control (l/s)</th><th>Max E Outflow (l/s)</th><th>Max Volume (m³)</th><th>Status</th></tr></thead><tbody><tr><td>15 min Summer</td><td>0.290</td><td>0.290</td><td>0.0</td><td>16.6</td><td>16.6</td><td>628.3</td><td>O K</td></tr><tr><td>30 min Summer</td><td>0.345</td><td>0.345</td><td>0.0</td><td>16.6</td><td>16.6</td><td>936.3</td><td>Flood Risk</td></tr><tr><td>60 min Summer</td><td>0.400</td><td>0.400</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1253.8</td><td>Flood Risk</td></tr><tr><td>120 min Summer</td><td>0.458</td><td>0.458</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1590.3</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>0.488</td><td>0.488</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1770.7</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>0.507</td><td>0.507</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1881.5</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>0.526</td><td>0.526</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1997.8</td><td>Flood Risk</td></tr><tr><td>480 min Summer</td><td>0.533</td><td>0.533</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2038.0</td><td>Flood Risk</td></tr><tr><td>600 min Summer</td><td>0.533</td><td>0.533</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2040.7</td><td>Flood Risk</td></tr><tr><td>720 min Summer</td><td>0.530</td><td>0.530</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2021.4</td><td>Flood Risk</td></tr><tr><td>960 min Summer</td><td>0.517</td><td>0.517</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1945.1</td><td>Flood Risk</td></tr><tr><td>1440 min Summer</td><td>0.490</td><td>0.490</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1781.0</td><td>Flood Risk</td></tr><tr><td>2160 min Summer</td><td>0.457</td><td>0.457</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1587.9</td><td>Flood Risk</td></tr><tr><td>2880 min Summer</td><td>0.431</td><td>0.431</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1433.6</td><td>Flood Risk</td></tr><tr><td>4320 min Summer</td><td>0.388</td><td>0.388</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1185.1</td><td>Flood Risk</td></tr><tr><td>5760 min Summer</td><td>0.353</td><td>0.353</td><td>0.0</td><td>16.6</td><td>16.6</td><td>984.4</td><td>Flood Risk</td></tr><tr><td>15 min Winter</td><td>0.306</td><td>0.306</td><td>0.0</td><td>16.6</td><td>16.6</td><td>715.2</td><td>Flood Risk</td></tr><tr><td>30 min Winter</td><td>0.367</td><td>0.367</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1061.1</td><td>Flood Risk</td></tr><tr><td>60 min Winter</td><td>0.429</td><td>0.429</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1419.4</td><td>Flood Risk</td></tr><tr><td>120 min Winter</td><td>0.494</td><td>0.494</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1802.6</td><td>Flood Risk</td></tr><tr><td>180 min Winter</td><td>0.528</td><td>0.528</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2011.3</td><td>Flood Risk</td></tr><tr><td>240 min Winter</td><td>0.550</td><td>0.550</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2141.9</td><td>Flood Risk</td></tr><tr><td>360 min Winter</td><td>0.574</td><td>0.574</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2285.6</td><td>Flood Risk</td></tr><tr><td>480 min Winter</td><td>0.583</td><td>0.583</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2344.0</td><td>Flood Risk</td></tr><tr><td>600 min Winter</td><td>0.586</td><td>0.586</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2360.5</td><td>Flood Risk</td></tr><tr><td>720 min Winter</td><td>0.585</td><td>0.585</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2352.4</td><td>Flood Risk</td></tr><tr><td>960 min Winter</td><td>0.575</td><td>0.575</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2293.5</td><td>Flood Risk</td></tr><tr><td>1440 min Winter</td><td>0.543</td><td>0.543</td><td>0.0</td><td>16.6</td><td>16.6</td><td>2099.3</td><td>Flood Risk</td></tr><tr><td>2160 min Winter</td><td>0.501</td><td>0.501</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1845.8</td><td>Flood Risk</td></tr><tr><td>2880 min Winter</td><td>0.464</td><td>0.464</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1626.2</td><td>Flood Risk</td></tr><tr><td>4320 min Winter</td><td>0.399</td><td>0.399</td><td>0.0</td><td>16.6</td><td>16.6</td><td>1249.3</td><td>Flood Risk</td></tr><tr><td>5760 min Winter</td><td>0.345</td><td>0.345</td><td>0.0</td><td>16.6</td><td>16.6</td><td>939.7</td><td>Flood Risk</td></tr></tbody></table><br><table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Discharge Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>108.360</td><td>0.0</td><td>637.8</td><td>26</td></tr><tr><td>30 min Summer</td><td>77.924</td><td>0.0</td><td>951.5</td><td>41</td></tr><tr><td>60 min Summer</td><td>51.660</td><td>0.0</td><td>1299.2</td><td>70</td></tr><tr><td>120 min Summer</td><td>33.019</td><td>0.0</td><td>1681.7</td><td>130</td></tr><tr><td>180 min Summer</td><td>24.878</td><td>0.0</td><td>1909.0</td><td>188</td></tr><tr><td>240 min Summer</td><td>20.160</td><td>0.0</td><td>2066.8</td><td>248</td></tr><tr><td>360 min Summer</td><td>14.791</td><td>0.0</td><td>2276.9</td><td>366</td></tr><tr><td>480 min Summer</td><td>11.751</td><td>0.0</td><td>2409.9</td><td>486</td></tr><tr><td>600 min Summer</td><td>9.787</td><td>0.0</td><td>2503.6</td><td>604</td></tr><tr><td>720 min Summer</td><td>8.409</td><td>0.0</td><td>2572.0</td><td>722</td></tr><tr><td>960 min Summer</td><td>6.595</td><td>0.0</td><td>2642.8</td><td>936</td></tr><tr><td>1440 min Summer</td><td>4.656</td><td>0.0</td><td>2567.0</td><td>1138</td></tr><tr><td>2160 min Summer</td><td>3.290</td><td>0.0</td><td>3021.7</td><td>1500</td></tr><tr><td>2880 min Summer</td><td>2.581</td><td>0.0</td><td>3143.1</td><td>1908</td></tr><tr><td>4320 min Summer</td><td>1.852</td><td>0.0</td><td>3346.1</td><td>2692</td></tr><tr><td>5760 min Summer</td><td>1.477</td><td>0.0</td><td>3528.1</td><td>3464</td></tr><tr><td>15 min Winter</td><td>108.360</td><td>0.0</td><td>724.2</td><td>26</td></tr><tr><td>30 min Winter</td><td>77.924</td><td>0.0</td><td>1073.6</td><td>40</td></tr><tr><td>60 min Winter</td><td>51.660</td><td>0.0</td><td>1465.1</td><td>70</td></tr><tr><td>120 min Winter</td><td>33.019</td><td>0.0</td><td>1893.2</td><td>128</td></tr><tr><td>180 min Winter</td><td>24.878</td><td>0.0</td><td>2147.2</td><td>186</td></tr><tr><td>240 min Winter</td><td>20.160</td><td>0.0</td><td>2322.5</td><td>244</td></tr><tr><td>360 min Winter</td><td>14.791</td><td>0.0</td><td>2551.4</td><td>360</td></tr><tr><td>480 min Winter</td><td>11.751</td><td>0.0</td><td>2678.0</td><td>476</td></tr><tr><td>600 min Winter</td><td>9.787</td><td>0.0</td><td>2702.3</td><td>592</td></tr><tr><td>720 min Winter</td><td>8.409</td><td>0.0</td><td>2684.5</td><td>706</td></tr><tr><td>960 min Winter</td><td>6.595</td><td>0.0</td><td>2649.3</td><td>930</td></tr><tr><td>1440 min Winter</td><td>4.656</td><td>0.0</td><td>2575.5</td><td>1332</td></tr><tr><td>2160 min Winter</td><td>3.290</td><td>0.0</td><td>3402.8</td><td>1640</td></tr><tr><td>2880 min Winter</td><td>2.581</td><td>0.0</td><td>3541.7</td><td>2080</td></tr><tr><td>4320 min Winter</td><td>1.852</td><td>0.0</td><td>3774.7</td><td>2940</td></tr><tr><td>5760 min Winter</td><td>1.477</td><td>0.0</td><td>3985.9</td><td>3704</td></tr></tbody></table> |               |                                                                                     | Storm Event                                        | Max Level (m)     | Max Depth (m)       | Max Infiltration (l/s) | Max Control (l/s) | Max E Outflow (l/s) | Max Volume (m³) | Status | 15 min Summer | 0.290 | 0.290 | 0.0 | 16.6 | 16.6 | 628.3 | O K | 30 min Summer | 0.345 | 0.345 | 0.0 | 16.6 | 16.6 | 936.3 | Flood Risk | 60 min Summer | 0.400 | 0.400 | 0.0 | 16.6 | 16.6 | 1253.8 | Flood Risk | 120 min Summer | 0.458 | 0.458 | 0.0 | 16.6 | 16.6 | 1590.3 | Flood Risk | 180 min Summer | 0.488 | 0.488 | 0.0 | 16.6 | 16.6 | 1770.7 | Flood Risk | 240 min Summer | 0.507 | 0.507 | 0.0 | 16.6 | 16.6 | 1881.5 | Flood Risk | 360 min Summer | 0.526 | 0.526 | 0.0 | 16.6 | 16.6 | 1997.8 | Flood Risk | 480 min Summer | 0.533 | 0.533 | 0.0 | 16.6 | 16.6 | 2038.0 | Flood Risk | 600 min Summer | 0.533 | 0.533 | 0.0 | 16.6 | 16.6 | 2040.7 | Flood Risk | 720 min Summer | 0.530 | 0.530 | 0.0 | 16.6 | 16.6 | 2021.4 | Flood Risk | 960 min Summer | 0.517 | 0.517 | 0.0 | 16.6 | 16.6 | 1945.1 | Flood Risk | 1440 min Summer | 0.490 | 0.490 | 0.0 | 16.6 | 16.6 | 1781.0 | Flood Risk | 2160 min Summer | 0.457 | 0.457 | 0.0 | 16.6 | 16.6 | 1587.9 | Flood Risk | 2880 min Summer | 0.431 | 0.431 | 0.0 | 16.6 | 16.6 | 1433.6 | Flood Risk | 4320 min Summer | 0.388 | 0.388 | 0.0 | 16.6 | 16.6 | 1185.1 | Flood Risk | 5760 min Summer | 0.353 | 0.353 | 0.0 | 16.6 | 16.6 | 984.4 | Flood Risk | 15 min Winter | 0.306 | 0.306 | 0.0 | 16.6 | 16.6 | 715.2 | Flood Risk | 30 min Winter | 0.367 | 0.367 | 0.0 | 16.6 | 16.6 | 1061.1 | Flood Risk | 60 min Winter | 0.429 | 0.429 | 0.0 | 16.6 | 16.6 | 1419.4 | Flood Risk | 120 min Winter | 0.494 | 0.494 | 0.0 | 16.6 | 16.6 | 1802.6 | Flood Risk | 180 min Winter | 0.528 | 0.528 | 0.0 | 16.6 | 16.6 | 2011.3 | Flood Risk | 240 min Winter | 0.550 | 0.550 | 0.0 | 16.6 | 16.6 | 2141.9 | Flood Risk | 360 min Winter | 0.574 | 0.574 | 0.0 | 16.6 | 16.6 | 2285.6 | Flood Risk | 480 min Winter | 0.583 | 0.583 | 0.0 | 16.6 | 16.6 | 2344.0 | Flood Risk | 600 min Winter | 0.586 | 0.586 | 0.0 | 16.6 | 16.6 | 2360.5 | Flood Risk | 720 min Winter | 0.585 | 0.585 | 0.0 | 16.6 | 16.6 | 2352.4 | Flood Risk | 960 min Winter | 0.575 | 0.575 | 0.0 | 16.6 | 16.6 | 2293.5 | Flood Risk | 1440 min Winter | 0.543 | 0.543 | 0.0 | 16.6 | 16.6 | 2099.3 | Flood Risk | 2160 min Winter | 0.501 | 0.501 | 0.0 | 16.6 | 16.6 | 1845.8 | Flood Risk | 2880 min Winter | 0.464 | 0.464 | 0.0 | 16.6 | 16.6 | 1626.2 | Flood Risk | 4320 min Winter | 0.399 | 0.399 | 0.0 | 16.6 | 16.6 | 1249.3 | Flood Risk | 5760 min Winter | 0.345 | 0.345 | 0.0 | 16.6 | 16.6 | 939.7 | Flood Risk | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Discharge Volume (m³) | Time-Peak (mins) | 15 min Summer | 108.360 | 0.0 | 637.8 | 26 | 30 min Summer | 77.924 | 0.0 | 951.5 | 41 | 60 min Summer | 51.660 | 0.0 | 1299.2 | 70 | 120 min Summer | 33.019 | 0.0 | 1681.7 | 130 | 180 min Summer | 24.878 | 0.0 | 1909.0 | 188 | 240 min Summer | 20.160 | 0.0 | 2066.8 | 248 | 360 min Summer | 14.791 | 0.0 | 2276.9 | 366 | 480 min Summer | 11.751 | 0.0 | 2409.9 | 486 | 600 min Summer | 9.787 | 0.0 | 2503.6 | 604 | 720 min Summer | 8.409 | 0.0 | 2572.0 | 722 | 960 min Summer | 6.595 | 0.0 | 2642.8 | 936 | 1440 min Summer | 4.656 | 0.0 | 2567.0 | 1138 | 2160 min Summer | 3.290 | 0.0 | 3021.7 | 1500 | 2880 min Summer | 2.581 | 0.0 | 3143.1 | 1908 | 4320 min Summer | 1.852 | 0.0 | 3346.1 | 2692 | 5760 min Summer | 1.477 | 0.0 | 3528.1 | 3464 | 15 min Winter | 108.360 | 0.0 | 724.2 | 26 | 30 min Winter | 77.924 | 0.0 | 1073.6 | 40 | 60 min Winter | 51.660 | 0.0 | 1465.1 | 70 | 120 min Winter | 33.019 | 0.0 | 1893.2 | 128 | 180 min Winter | 24.878 | 0.0 | 2147.2 | 186 | 240 min Winter | 20.160 | 0.0 | 2322.5 | 244 | 360 min Winter | 14.791 | 0.0 | 2551.4 | 360 | 480 min Winter | 11.751 | 0.0 | 2678.0 | 476 | 600 min Winter | 9.787 | 0.0 | 2702.3 | 592 | 720 min Winter | 8.409 | 0.0 | 2684.5 | 706 | 960 min Winter | 6.595 | 0.0 | 2649.3 | 930 | 1440 min Winter | 4.656 | 0.0 | 2575.5 | 1332 | 2160 min Winter | 3.290 | 0.0 | 3402.8 | 1640 | 2880 min Winter | 2.581 | 0.0 | 3541.7 | 2080 | 4320 min Winter | 1.852 | 0.0 | 3774.7 | 2940 | 5760 min Winter | 1.477 | 0.0 | 3985.9 | 3704 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Max Level (m) | Max Depth (m)                                                                       | Max Infiltration (l/s)                             | Max Control (l/s) | Max E Outflow (l/s) | Max Volume (m³)        | Status            |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |       |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |  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| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.290         | 0.290                                                                               | 0.0                                                | 16.6              | 16.6                | 628.3                  | O K               |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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            |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |       |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |  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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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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.488         | 0.488                                                                               | 0.0                                                | 16.6              | 16.6                | 1770.7                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.526         | 0.526                                                                               | 0.0                                                | 16.6              | 16.6                | 1997.8                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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            |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |       |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |  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| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.490         | 0.490                                                                               | 0.0                                                | 16.6              | 16.6                | 1781.0                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.457         | 0.457                                                                               | 0.0                                                | 16.6              | 16.6                | 1587.9                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |     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| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.431         | 0.431                                                                               | 0.0                                                | 16.6              | 16.6                | 1433.6                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |     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| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.388         | 0.388                                                                               | 0.0                                                | 16.6              | 16.6                | 1185.1                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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            |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |       |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |  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| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.353         | 0.353                                                                               | 0.0                                                | 16.6              | 16.6                | 984.4                  | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.306         | 0.306                                                                               | 0.0                                                | 16.6              | 16.6                | 715.2                  | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |     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| 30 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.367         | 0.367                                                                               | 0.0                                                | 16.6              | 16.6                | 1061.1                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 60 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.429         | 0.429                                                                               | 0.0                                                | 16.6              | 16.6                | 1419.4                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |     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| 120 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.494         | 0.494                                                                               | 0.0                                                | 16.6              | 16.6                | 1802.6                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 180 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 240 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 360 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 480 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.583         | 0.583                                                                               | 0.0                                                | 16.6              | 16.6                | 2344.0                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 600 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.586         | 0.586                                                                               | 0.0                                                | 16.6              | 16.6                | 2360.5                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 720 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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            |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |       |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |  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| 960 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.575         | 0.575                                                                               | 0.0                                                | 16.6              | 16.6                | 2293.5                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 1440 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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            |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |       |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |       |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |  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| 2160 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.501         | 0.501                                                                               | 0.0                                                | 16.6              | 16.6                | 1845.8                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 2880 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 4320 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.399         | 0.399                                                                               | 0.0                                                | 16.6              | 16.6                | 1249.3                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 5760 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.345         | 0.345                                                                               | 0.0                                                | 16.6              | 16.6                | 939.7                  | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 108.360       | 0.0                                                                                 | 637.8                                              | 26                |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 33.019        | 0.0                                                                                 | 1681.7                                             | 130               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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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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| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6.595         | 0.0                                                                                 | 2642.8                                             | 936               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4.656         | 0.0                                                                                 | 2567.0                                             | 1138              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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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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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 108.360       | 0.0                                                                                 | 724.2                                              | 26                |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 30 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 77.924        | 0.0                                                                                 | 1073.6                                             | 40                |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 60 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 51.660        | 0.0                                                                                 | 1465.1                                             | 70                |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 120 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 180 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 240 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20.160        | 0.0                                                                                 | 2322.5                                             | 244               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 360 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 14.791        | 0.0                                                                                 | 2551.4                                             | 360               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 480 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 11.751        | 0.0                                                                                 | 2678.0                                             | 476               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 600 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 9.787         | 0.0                                                                                 | 2702.3                                             | 592               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 720 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8.409         | 0.0                                                                                 | 2684.5                                             | 706               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 960 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6.595         | 0.0                                                                                 | 2649.3                                             | 930               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 1440 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 2160 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3.290         | 0.0                                                                                 | 3402.8                                             | 1640              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 2880 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.581         | 0.0                                                                                 | 3541.7                                             | 2080              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 4320 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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  |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| 5760 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.477         | 0.0                                                                                 | 3985.9                                             | 3704              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |       |            |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |     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| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|                                                |                          |                                                                                     |
|------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| Motion                                         |                          | Page 2                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU |                          |  |
| Date 23/04/2025 15:41                          | Designed by Chris Gray   |                                                                                     |
| File 2404003 100Y+40% 1 of 3 WEST 23...        | Checked by Jason Morgans |                                                                                     |
| Innovyze                                       | Source Control 2020.1.3  |                                                                                     |

#### Rainfall Details

|                       |                                 |                       |       |
|-----------------------|---------------------------------|-----------------------|-------|
| Rainfall Model        | FEH                             | Winter Storms         | Yes   |
| Return Period (years) | 100                             | Cv (Summer)           | 0.750 |
| FEH Rainfall Version  | 2013                            | Cv (Winter)           | 0.840 |
| Site Location         | GB 474700 227450 SP 74700 27450 | Shortest Storm (mins) | 15    |
| Data Type             | Catchment                       | Longest Storm (mins)  | 5760  |
| Summer Storms         | Yes                             | Climate Change %      | +40   |

#### Time Area Diagram

Total Area (ha) 3.578

| Time (mins) | Area (ha) | Time (mins) | Area (ha) | Time (mins) | Area (ha) |
|-------------|-----------|-------------|-----------|-------------|-----------|
| From:       | To:       | From:       | To:       | From:       | To:       |
| 0           | 4         | 4           | 8         | 8           | 12        |
| 1.193       | 1.193     | 1.193       | 1.193     | 1.193       | 1.193     |



|                                                                  |                                                    |                                                                                     |
|------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------|
| Motion                                                           |                                                    | Page 3                                                                              |
| 84 North Street<br>Guildford<br>Surrey GU1 4AU                   |                                                    |  |
| Date 23/04/2025 15:41<br>File 2404003 100Y+40% 1 of 3 WEST 23... | Designed by Chris Gray<br>Checked by Jason Morgans |                                                                                     |
| Innovyze                                                         | Source Control 2020.1.3                            |                                                                                     |

Model Details

Storage is Online Cover Level (m) 0.600

Complex Structure

Swale

|                                      |         |                  |       |                            |       |
|--------------------------------------|---------|------------------|-------|----------------------------|-------|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Invert Level (m) | 0.000 | Slope (1:X)                | 109.0 |
| Infiltration Coefficient Side (m/hr) | 0.00000 | Base Width (m)   | 2.0   | Cap Volume Depth (m)       | 0.000 |
| Safety Factor                        | 2.0     | Length (m)       | 60.0  | Cap Infiltration Depth (m) | 0.000 |
| Porosity                             | 1.00    | Side Slope (1:X) | 3.0   |                            |       |

Tank or Pond

Invert Level (m) 0.000

| Depth (m) | Area (m²) | Depth (m) | Area (m²) |
|-----------|-----------|-----------|-----------|
| 0.000     | 85.0      | 0.600     | 182.0     |

Tank or Pond

Invert Level (m) 0.000

| Depth (m) | Area (m²) | Depth (m) | Area (m²) |
|-----------|-----------|-----------|-----------|
| 0.000     | 463.0     | 0.600     | 648.0     |

Porous Car Park

|                                      |         |                  |       |                         |     |
|--------------------------------------|---------|------------------|-------|-------------------------|-----|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Porosity         | 0.30  | Slope (1:X)             | 0.0 |
| Membrane Percolation (mm/hr)         | 1000    | Invert Level (m) | 0.200 | Depression Storage (mm) | 5   |
| Max Percolation (l/s)                | 4494.4  | Width (m)        | 127.2 | Evaporation (mm/day)    | 3   |
| Safety Factor                        | 2.0     | Length (m)       | 127.2 | Membrane Depth (m)      | 0   |

Swale

|                                      |         |                  |       |                            |       |
|--------------------------------------|---------|------------------|-------|----------------------------|-------|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Invert Level (m) | 0.300 | Slope (1:X)                | 268.0 |
| Infiltration Coefficient Side (m/hr) | 0.00000 | Base Width (m)   | 2.3   | Cap Volume Depth (m)       | 0.000 |
| Safety Factor                        | 2.0     | Length (m)       | 53.0  | Cap Infiltration Depth (m) | 0.000 |
| Porosity                             | 1.00    | Side Slope (1:X) | 3.0   |                            |       |

Hydro-Brake® Optimum Outflow Control

|                   |                            |                                   |       |
|-------------------|----------------------------|-----------------------------------|-------|
| Unit Reference    | MD-SHE-0185-1660-0885-1660 | Sump Available                    | Yes   |
| Design Head (m)   | 0.885                      | Diameter (mm)                     | 185   |
| Design Flow (l/s) | 16.6                       | Invert Level (m)                  | 0.000 |
| Flush-Flo™        | Calculated                 | Minimum Outlet Pipe Diameter (mm) | 225   |
| Objective         | Minimise upstream storage  | Suggested Manhole Diameter (mm)   | 1200  |
| Application       | Surface                    |                                   |       |

| Control Points            | Head (m) | Flow (l/s) | Control Points            | Head (m) | Flow (l/s) |
|---------------------------|----------|------------|---------------------------|----------|------------|
| Design Point (Calculated) | 0.885    | 16.6       | Kick-Flo®                 | 0.647    | 14.3       |
| Flush-Flo™                | 0.311    | 16.6       | Mean Flow over Head Range | -        | 13.9       |

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

| Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) |
|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| 0.100     | 6.5        | 0.600     | 15.1       | 1.600     | 22.0       | 2.600     | 27.8       | 5.000     | 38.0       | 7.500     | 46.3       |
| 0.200     | 16.1       | 0.800     | 15.8       | 1.800     | 23.3       | 3.000     | 29.7       | 5.500     | 39.8       | 8.000     | 47.8       |
| 0.300     | 16.6       | 1.000     | 17.6       | 2.000     | 24.5       | 3.500     | 32.0       | 6.000     | 41.6       | 8.500     | 49.2       |
| 0.400     | 16.4       | 1.200     | 19.2       | 2.200     | 25.6       | 4.000     | 34.2       | 6.500     | 43.2       | 9.000     | 50.3       |
| 0.500     | 16.0       | 1.400     | 20.6       | 2.400     | 26.7       | 4.500     | 36.2       | 7.000     | 44.8       | 9.500     | 51.7       |

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| Motion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |  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| <p><u>Summary of Results for 100 year Return Period (+40%)</u></p> <p>Half Drain Time : 1746 minutes.</p> <table><thead><tr><th>Storm Event</th><th>Max Level (m)</th><th>Max Depth (m)</th><th>Max Infiltration (l/s)</th><th>Max Control (l/s)</th><th>Max E Outflow (l/s)</th><th>Max Volume (m³)</th><th>Status</th></tr></thead><tbody><tr><td>15 min Summer</td><td>0.421</td><td>0.421</td><td>0.0</td><td>16.7</td><td>16.7</td><td>837.0</td><td>O K</td></tr><tr><td>30 min Summer</td><td>0.470</td><td>0.470</td><td>0.0</td><td>16.7</td><td>16.7</td><td>1250.3</td><td>O K</td></tr><tr><td>60 min Summer</td><td>0.520</td><td>0.520</td><td>0.0</td><td>16.7</td><td>16.7</td><td>1682.0</td><td>Flood Risk</td></tr><tr><td>120 min Summer</td><td>0.574</td><td>0.574</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2151.0</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>0.604</td><td>0.604</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2413.1</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>0.624</td><td>0.624</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2581.2</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>0.646</td><td>0.646</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2776.4</td><td>Flood Risk</td></tr><tr><td>480 min Summer</td><td>0.657</td><td>0.657</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2869.4</td><td>Flood Risk</td></tr><tr><td>600 min Summer</td><td>0.662</td><td>0.662</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2912.6</td><td>Flood Risk</td></tr><tr><td>720 min Summer</td><td>0.663</td><td>0.663</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2926.6</td><td>Flood Risk</td></tr><tr><td>960 min Summer</td><td>0.661</td><td>0.661</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2903.8</td><td>Flood Risk</td></tr><tr><td>1440 min Summer</td><td>0.644</td><td>0.644</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2762.0</td><td>Flood Risk</td></tr><tr><td>2160 min Summer</td><td>0.621</td><td>0.621</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2556.5</td><td>Flood Risk</td></tr><tr><td>2880 min Summer</td><td>0.601</td><td>0.601</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2387.4</td><td>Flood Risk</td></tr><tr><td>4320 min Summer</td><td>0.569</td><td>0.569</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2105.7</td><td>Flood Risk</td></tr><tr><td>5760 min Summer</td><td>0.543</td><td>0.543</td><td>0.0</td><td>16.7</td><td>16.7</td><td>1879.4</td><td>Flood Risk</td></tr><tr><td>15 min Winter</td><td>0.435</td><td>0.435</td><td>0.0</td><td>16.7</td><td>16.7</td><td>952.7</td><td>O K</td></tr><tr><td>30 min Winter</td><td>0.489</td><td>0.489</td><td>0.0</td><td>16.7</td><td>16.7</td><td>1416.6</td><td>O K</td></tr><tr><td>60 min Winter</td><td>0.545</td><td>0.545</td><td>0.0</td><td>16.7</td><td>16.7</td><td>1902.3</td><td>Flood Risk</td></tr><tr><td>120 min Winter</td><td>0.607</td><td>0.607</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2432.9</td><td>Flood Risk</td></tr><tr><td>180 min Winter</td><td>0.641</td><td>0.641</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2730.1</td><td>Flood Risk</td></tr><tr><td>240 min Winter</td><td>0.663</td><td>0.663</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2922.5</td><td>Flood Risk</td></tr><tr><td>360 min Winter</td><td>0.689</td><td>0.689</td><td>0.0</td><td>16.7</td><td>16.7</td><td>3150.3</td><td>Flood Risk</td></tr><tr><td>480 min Winter</td><td>0.702</td><td>0.702</td><td>0.0</td><td>16.7</td><td>16.7</td><td>3264.0</td><td>Flood Risk</td></tr><tr><td>600 min Winter</td><td>0.708</td><td>0.708</td><td>0.0</td><td>16.7</td><td>16.7</td><td>3321.9</td><td>Flood Risk</td></tr><tr><td>720 min Winter</td><td>0.711</td><td>0.711</td><td>0.0</td><td>16.7</td><td>16.7</td><td>3347.2</td><td>Flood Risk</td></tr><tr><td>960 min Winter</td><td>0.710</td><td>0.710</td><td>0.0</td><td>16.7</td><td>16.7</td><td>3341.0</td><td>Flood Risk</td></tr><tr><td>1440 min Winter</td><td>0.697</td><td>0.697</td><td>0.0</td><td>16.7</td><td>16.7</td><td>3220.1</td><td>Flood Risk</td></tr><tr><td>2160 min Winter</td><td>0.668</td><td>0.668</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2965.6</td><td>Flood Risk</td></tr><tr><td>2880 min Winter</td><td>0.644</td><td>0.644</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2758.2</td><td>Flood Risk</td></tr><tr><td>4320 min Winter</td><td>0.601</td><td>0.601</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2380.7</td><td>Flood Risk</td></tr><tr><td>5760 min Winter</td><td>0.559</td><td>0.559</td><td>0.0</td><td>16.7</td><td>16.7</td><td>2023.0</td><td>Flood Risk</td></tr></tbody></table><br><table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Discharge Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>108.360</td><td>0.0</td><td>800.5</td><td>26</td></tr><tr><td>30 min Summer</td><td>77.924</td><td>0.0</td><td>1179.0</td><td>41</td></tr><tr><td>60 min Summer</td><td>51.660</td><td>0.0</td><td>1693.7</td><td>70</td></tr><tr><td>120 min Summer</td><td>33.019</td><td>0.0</td><td>2181.8</td><td>130</td></tr><tr><td>180 min Summer</td><td>24.878</td><td>0.0</td><td>2450.0</td><td>190</td></tr><tr><td>240 min Summer</td><td>20.160</td><td>0.0</td><td>2597.2</td><td>250</td></tr><tr><td>360 min Summer</td><td>14.791</td><td>0.0</td><td>2617.3</td><td>368</td></tr><tr><td>480 min Summer</td><td>11.751</td><td>0.0</td><td>2578.1</td><td>486</td></tr><tr><td>600 min Summer</td><td>9.787</td><td>0.0</td><td>2546.1</td><td>606</td></tr><tr><td>720 min Summer</td><td>8.409</td><td>0.0</td><td>2516.7</td><td>724</td></tr><tr><td>960 min Summer</td><td>6.595</td><td>0.0</td><td>2461.2</td><td>962</td></tr><tr><td>1440 min Summer</td><td>4.656</td><td>0.0</td><td>2352.5</td><td>1376</td></tr><tr><td>2160 min Summer</td><td>3.290</td><td>0.0</td><td>3975.3</td><td>1708</td></tr><tr><td>2880 min Summer</td><td>2.581</td><td>0.0</td><td>4122.9</td><td>2076</td></tr><tr><td>4320 min Summer</td><td>1.852</td><td>0.0</td><td>4309.0</td><td>2860</td></tr><tr><td>5760 min Summer</td><td>1.477</td><td>0.0</td><td>4666.0</td><td>3648</td></tr><tr><td>15 min Winter</td><td>108.360</td><td>0.0</td><td>908.9</td><td>26</td></tr><tr><td>30 min Winter</td><td>77.924</td><td>0.0</td><td>1303.3</td><td>41</td></tr><tr><td>60 min Winter</td><td>51.660</td><td>0.0</td><td>1908.1</td><td>70</td></tr><tr><td>120 min Winter</td><td>33.019</td><td>0.0</td><td>2434.6</td><td>128</td></tr><tr><td>180 min Winter</td><td>24.878</td><td>0.0</td><td>2651.7</td><td>186</td></tr><tr><td>240 min Winter</td><td>20.160</td><td>0.0</td><td>2641.1</td><td>246</td></tr><tr><td>360 min Winter</td><td>14.791</td><td>0.0</td><td>2598.5</td><td>362</td></tr><tr><td>480 min Winter</td><td>11.751</td><td>0.0</td><td>2569.2</td><td>478</td></tr><tr><td>600 min Winter</td><td>9.787</td><td>0.0</td><td>2544.1</td><td>596</td></tr><tr><td>720 min Winter</td><td>8.409</td><td>0.0</td><td>2520.8</td><td>710</td></tr><tr><td>960 min Winter</td><td>6.595</td><td>0.0</td><td>2476.2</td><td>940</td></tr><tr><td>1440 min Winter</td><td>4.656</td><td>0.0</td><td>2388.2</td><td>1384</td></tr><tr><td>2160 min Winter</td><td>3.290</td><td>0.0</td><td>4463.0</td><td>1948</td></tr><tr><td>2880 min Winter</td><td>2.581</td><td>0.0</td><td>4610.8</td><td>2224</td></tr><tr><td>4320 min Winter</td><td>1.852</td><td>0.0</td><td>4497.2</td><td>3152</td></tr><tr><td>5760 min Winter</td><td>1.477</td><td>0.0</td><td>5273.9</td><td>3984</td></tr></tbody></table> |               |                                                                                     | Storm Event                                        | Max Level (m)     | Max Depth (m)       | Max Infiltration (l/s) | Max Control (l/s) | Max E Outflow (l/s) | Max Volume (m³) | Status | 15 min Summer | 0.421 | 0.421 | 0.0 | 16.7 | 16.7 | 837.0 | O K | 30 min Summer | 0.470 | 0.470 | 0.0 | 16.7 | 16.7 | 1250.3 | O K | 60 min Summer | 0.520 | 0.520 | 0.0 | 16.7 | 16.7 | 1682.0 | Flood Risk | 120 min Summer | 0.574 | 0.574 | 0.0 | 16.7 | 16.7 | 2151.0 | Flood Risk | 180 min Summer | 0.604 | 0.604 | 0.0 | 16.7 | 16.7 | 2413.1 | Flood Risk | 240 min Summer | 0.624 | 0.624 | 0.0 | 16.7 | 16.7 | 2581.2 | Flood Risk | 360 min Summer | 0.646 | 0.646 | 0.0 | 16.7 | 16.7 | 2776.4 | Flood Risk | 480 min Summer | 0.657 | 0.657 | 0.0 | 16.7 | 16.7 | 2869.4 | Flood Risk | 600 min Summer | 0.662 | 0.662 | 0.0 | 16.7 | 16.7 | 2912.6 | Flood Risk | 720 min Summer | 0.663 | 0.663 | 0.0 | 16.7 | 16.7 | 2926.6 | Flood Risk | 960 min Summer | 0.661 | 0.661 | 0.0 | 16.7 | 16.7 | 2903.8 | Flood Risk | 1440 min Summer | 0.644 | 0.644 | 0.0 | 16.7 | 16.7 | 2762.0 | Flood Risk | 2160 min Summer | 0.621 | 0.621 | 0.0 | 16.7 | 16.7 | 2556.5 | Flood Risk | 2880 min Summer | 0.601 | 0.601 | 0.0 | 16.7 | 16.7 | 2387.4 | Flood Risk | 4320 min Summer | 0.569 | 0.569 | 0.0 | 16.7 | 16.7 | 2105.7 | Flood Risk | 5760 min Summer | 0.543 | 0.543 | 0.0 | 16.7 | 16.7 | 1879.4 | Flood Risk | 15 min Winter | 0.435 | 0.435 | 0.0 | 16.7 | 16.7 | 952.7 | O K | 30 min Winter | 0.489 | 0.489 | 0.0 | 16.7 | 16.7 | 1416.6 | O K | 60 min Winter | 0.545 | 0.545 | 0.0 | 16.7 | 16.7 | 1902.3 | Flood Risk | 120 min Winter | 0.607 | 0.607 | 0.0 | 16.7 | 16.7 | 2432.9 | Flood Risk | 180 min Winter | 0.641 | 0.641 | 0.0 | 16.7 | 16.7 | 2730.1 | Flood Risk | 240 min Winter | 0.663 | 0.663 | 0.0 | 16.7 | 16.7 | 2922.5 | Flood Risk | 360 min Winter | 0.689 | 0.689 | 0.0 | 16.7 | 16.7 | 3150.3 | Flood Risk | 480 min Winter | 0.702 | 0.702 | 0.0 | 16.7 | 16.7 | 3264.0 | Flood Risk | 600 min Winter | 0.708 | 0.708 | 0.0 | 16.7 | 16.7 | 3321.9 | Flood Risk | 720 min Winter | 0.711 | 0.711 | 0.0 | 16.7 | 16.7 | 3347.2 | Flood Risk | 960 min Winter | 0.710 | 0.710 | 0.0 | 16.7 | 16.7 | 3341.0 | Flood Risk | 1440 min Winter | 0.697 | 0.697 | 0.0 | 16.7 | 16.7 | 3220.1 | Flood Risk | 2160 min Winter | 0.668 | 0.668 | 0.0 | 16.7 | 16.7 | 2965.6 | Flood Risk | 2880 min Winter | 0.644 | 0.644 | 0.0 | 16.7 | 16.7 | 2758.2 | Flood Risk | 4320 min Winter | 0.601 | 0.601 | 0.0 | 16.7 | 16.7 | 2380.7 | Flood Risk | 5760 min Winter | 0.559 | 0.559 | 0.0 | 16.7 | 16.7 | 2023.0 | Flood Risk | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Discharge Volume (m³) | Time-Peak (mins) | 15 min Summer | 108.360 | 0.0 | 800.5 | 26 | 30 min Summer | 77.924 | 0.0 | 1179.0 | 41 | 60 min Summer | 51.660 | 0.0 | 1693.7 | 70 | 120 min Summer | 33.019 | 0.0 | 2181.8 | 130 | 180 min Summer | 24.878 | 0.0 | 2450.0 | 190 | 240 min Summer | 20.160 | 0.0 | 2597.2 | 250 | 360 min Summer | 14.791 | 0.0 | 2617.3 | 368 | 480 min Summer | 11.751 | 0.0 | 2578.1 | 486 | 600 min Summer | 9.787 | 0.0 | 2546.1 | 606 | 720 min Summer | 8.409 | 0.0 | 2516.7 | 724 | 960 min Summer | 6.595 | 0.0 | 2461.2 | 962 | 1440 min Summer | 4.656 | 0.0 | 2352.5 | 1376 | 2160 min Summer | 3.290 | 0.0 | 3975.3 | 1708 | 2880 min Summer | 2.581 | 0.0 | 4122.9 | 2076 | 4320 min Summer | 1.852 | 0.0 | 4309.0 | 2860 | 5760 min Summer | 1.477 | 0.0 | 4666.0 | 3648 | 15 min Winter | 108.360 | 0.0 | 908.9 | 26 | 30 min Winter | 77.924 | 0.0 | 1303.3 | 41 | 60 min Winter | 51.660 | 0.0 | 1908.1 | 70 | 120 min Winter | 33.019 | 0.0 | 2434.6 | 128 | 180 min Winter | 24.878 | 0.0 | 2651.7 | 186 | 240 min Winter | 20.160 | 0.0 | 2641.1 | 246 | 360 min Winter | 14.791 | 0.0 | 2598.5 | 362 | 480 min Winter | 11.751 | 0.0 | 2569.2 | 478 | 600 min Winter | 9.787 | 0.0 | 2544.1 | 596 | 720 min Winter | 8.409 | 0.0 | 2520.8 | 710 | 960 min Winter | 6.595 | 0.0 | 2476.2 | 940 | 1440 min Winter | 4.656 | 0.0 | 2388.2 | 1384 | 2160 min Winter | 3.290 | 0.0 | 4463.0 | 1948 | 2880 min Winter | 2.581 | 0.0 | 4610.8 | 2224 | 4320 min Winter | 1.852 | 0.0 | 4497.2 | 3152 | 5760 min Winter | 1.477 | 0.0 | 5273.9 | 3984 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Max Level (m) | Max Depth (m)                                                                       | Max Infiltration (l/s)                             | Max Control (l/s) | Max E Outflow (l/s) | Max Volume (m³)        | Status            |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.421         | 0.421                                                                               | 0.0                                                | 16.7              | 16.7                | 837.0                  | O K               |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.520         | 0.520                                                                               | 0.0                                                | 16.7              | 16.7                | 1682.0                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.604         | 0.604                                                                               | 0.0                                                | 16.7              | 16.7                | 2413.1                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.646         | 0.646                                                                               | 0.0                                                | 16.7              | 16.7                | 2776.4                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.621         | 0.621                                                                               | 0.0                                                | 16.7              | 16.7                | 2556.5                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.601         | 0.601                                                                               | 0.0                                                | 16.7              | 16.7                | 2387.4                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.569         | 0.569                                                                               | 0.0                                                | 16.7              | 16.7                | 2105.7                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |  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| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.543         | 0.543                                                                               | 0.0                                                | 16.7              | 16.7                | 1879.4                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |  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| 30 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| 60 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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   |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |
| 120 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 180 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 240 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 360 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 480 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 600 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 720 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.711         | 0.711                                                                               | 0.0                                                | 16.7              | 16.7                | 3347.2                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |  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| 960 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.710         | 0.710                                                                               | 0.0                                                | 16.7              | 16.7                | 3341.0                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 1440 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.697         | 0.697                                                                               | 0.0                                                | 16.7              | 16.7                | 3220.1                 | Flood Risk        |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 2160 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 2880 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 4320 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 5760 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Rain (mm/hr)  | Flooded Volume (m³)                                                                 | Discharge Volume (m³)                              | Time-Peak (mins)  |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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   |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 108.360       | 0.0                                                                                 | 800.5                                              | 26                |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 77.924        | 0.0                                                                                 | 1179.0                                             | 41                |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |  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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 33.019        | 0.0                                                                                 | 2181.8                                             | 130               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 24.878        | 0.0                                                                                 | 2450.0                                             | 190               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20.160        | 0.0                                                                                 | 2597.2                                             | 250               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6.595         | 0.0                                                                                 | 2461.2                                             | 962               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3.290         | 0.0                                                                                 | 3975.3                                             | 1708              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |  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| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.581         | 0.0                                                                                 | 4122.9                                             | 2076              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |  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| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.852         | 0.0                                                                                 | 4309.0                                             | 2860              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |  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| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.477         | 0.0                                                                                 | 4666.0                                             | 3648              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 108.360       | 0.0                                                                                 | 908.9                                              | 26                |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 30 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 77.924        | 0.0                                                                                 | 1303.3                                             | 41                |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |
| 60 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 51.660        | 0.0                                                                                 | 1908.1                                             | 70                |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 180 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 240 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 360 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14.791        | 0.0                                                                                 | 2598.5                                             | 362               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 480 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 600 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 720 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8.409         | 0.0                                                                                 | 2520.8                                             | 710               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |   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| 960 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6.595         | 0.0                                                                                 | 2476.2                                             | 940               |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 1440 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4.656         | 0.0                                                                                 | 2388.2                                             | 1384              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 2160 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3.290         | 0.0                                                                                 | 4463.0                                             | 1948              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| 2880 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.581         | 0.0                                                                                 | 4610.8                                             | 2224              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |  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| 4320 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.852         | 0.0                                                                                 | 4497.2                                             | 3152              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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    |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |             |              |                     |                       |                  |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |               |         |     |       |    |               |        |     |        |    |               |        |     |        |    |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |        |     |        |     |                |       |     |        |     |                |       |     |        |     |                |       |     |        |     |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |                 |       |     |        |      |
| 5760 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.477         | 0.0                                                                                 | 5273.9                                             | 3984              |                     |                        |                   |                     |                 |        |               |       |       |     |      |      |       |     |               |       |       |     |      |      |        |     |               |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |                 |       |       |     |      |      |        |            |               |       |       |     |      |      |   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| Date 23/04/2025 11:31                          | Designed by Chris Gray   |                                                                                     |
| File 2404003 100Y+40% 2 of 3 EAST 23...        | Checked by Jason Morgans |                                                                                     |
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#### Rainfall Details

|                       |                                 |                       |       |
|-----------------------|---------------------------------|-----------------------|-------|
| Rainfall Model        | FEH                             | Winter Storms         | Yes   |
| Return Period (years) | 100                             | Cv (Summer)           | 0.750 |
| FEH Rainfall Version  | 2013                            | Cv (Winter)           | 0.840 |
| Site Location         | GB 474700 227450 SP 74700 27450 | Shortest Storm (mins) | 15    |
| Data Type             | Catchment                       | Longest Storm (mins)  | 5760  |
| Summer Storms         | Yes                             | Climate Change %      | +40   |

#### Time Area Diagram

Total Area (ha) 4.755

| Time (mins) | Area  | Time (mins) | Area  | Time (mins) | Area  |
|-------------|-------|-------------|-------|-------------|-------|
| From: To:   | (ha)  | From: To:   | (ha)  | From: To:   | (ha)  |
| 0 4         | 1.585 | 4 8         | 1.585 | 8 12        | 1.585 |



|                                                |                          |                                                                                     |
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Model Details

Storage is Online Cover Level (m) 0.800

Complex Structure

Tank or Pond

Invert Level (m) 0.000

| Depth (m) | Area (m²) | Depth (m) | Area (m²) |
|-----------|-----------|-----------|-----------|
| 0.000     | 1477.0    | 0.800     | 2153.0    |

Porous Car Park

|                                      |         |                  |       |                         |     |
|--------------------------------------|---------|------------------|-------|-------------------------|-----|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Porosity         | 0.30  | Slope (1:X)             | 0.0 |
| Membrane Percolation (mm/hr)         | 1000    | Invert Level (m) | 0.400 | Depression Storage (mm) | 5   |
| Max Percolation (l/s)                | 6225.0  | Width (m)        | 149.7 | Evaporation (mm/day)    | 3   |
| Safety Factor                        | 2.0     | Length (m)       | 149.7 | Membrane Depth (m)      | 0   |

Hydro-Brake® Optimum Outflow Control

|                   |                            |                                   |       |
|-------------------|----------------------------|-----------------------------------|-------|
| Unit Reference    | MD-SHE-0186-1670-0800-1670 | Sump Available                    | Yes   |
| Design Head (m)   | 0.800                      | Diameter (mm)                     | 186   |
| Design Flow (l/s) | 16.7                       | Invert Level (m)                  | 0.000 |
| Flush-Flo™        | Calculated                 | Minimum Outlet Pipe Diameter (mm) | 225   |
| Objective         | Minimise upstream storage  | Suggested Manhole Diameter (mm)   | 1200  |
| Application       | Surface                    |                                   |       |

| Control Points            | Head (m) | Flow (l/s) | Control Points            | Head (m) | Flow (l/s) |
|---------------------------|----------|------------|---------------------------|----------|------------|
| Design Point (Calculated) | 0.800    | 16.7       | Kick-Flo®                 | 0.596    | 14.5       |
| Flush-Flo™                | 0.298    | 16.7       | Mean Flow over Head Range | -        | 13.8       |

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

| Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) |
|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| 0.100     | 6.5        | 0.600     | 14.6       | 1.600     | 23.2       | 2.600     | 29.3       | 5.000     | 40.2       | 7.500     | 48.9       |
| 0.200     | 16.2       | 0.800     | 16.7       | 1.800     | 24.6       | 3.000     | 31.4       | 5.500     | 42.1       | 8.000     | 50.5       |
| 0.300     | 16.7       | 1.000     | 18.6       | 2.000     | 25.8       | 3.500     | 33.8       | 6.000     | 43.9       | 8.500     | 51.8       |
| 0.400     | 16.4       | 1.200     | 20.2       | 2.200     | 27.1       | 4.000     | 36.1       | 6.500     | 45.6       | 9.000     | 53.3       |
| 0.500     | 15.9       | 1.400     | 21.8       | 2.400     | 28.2       | 4.500     | 38.2       | 7.000     | 47.3       | 9.500     | 54.7       |

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#### Rainfall Details

|                       |                                 |                       |       |
|-----------------------|---------------------------------|-----------------------|-------|
| Rainfall Model        | FEH                             | Winter Storms         | Yes   |
| Return Period (years) | 100                             | Cv (Summer)           | 0.750 |
| FEH Rainfall Version  | 2013                            | Cv (Winter)           | 0.840 |
| Site Location         | GB 474700 227450 SP 74700 27450 | Shortest Storm (mins) | 15    |
| Data Type             | Catchment                       | Longest Storm (mins)  | 5760  |
| Summer Storms         | Yes                             | Climate Change %      | +40   |

#### Time Area Diagram

Total Area (ha) 0.286

| Time (mins) | Area  | Time (mins) | Area  | Time (mins) | Area  |
|-------------|-------|-------------|-------|-------------|-------|
| From: To:   | (ha)  | From: To:   | (ha)  | From: To:   | (ha)  |
| 0 4         | 0.095 | 4 8         | 0.095 | 8 12        | 0.095 |

|                                                |                          |                                                                                     |
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### Model Details

Storage is Online Cover Level (m) 0.400

### Porous Car Park Structure

|                                      |         |                  |       |                         |     |
|--------------------------------------|---------|------------------|-------|-------------------------|-----|
| Infiltration Coefficient Base (m/hr) | 0.00000 | Porosity         | 0.30  | Slope (1:X)             | 0.0 |
| Membrane Percolation (mm/hr)         | 1000    | Invert Level (m) | 0.000 | Depression Storage (mm) | 5   |
| Max Percolation (l/s)                | 765.6   | Width (m)        | 52.5  | Evaporation (mm/day)    | 3   |
| Safety Factor                        | 2.0     | Length (m)       | 52.5  | Membrane Depth (m)      | 0   |

### Hydro-Brake® Optimum Outflow Control

|                   |                            |                                   |       |
|-------------------|----------------------------|-----------------------------------|-------|
| Unit Reference    | MD-SHE-0054-1100-0660-1100 | Sump Available                    | Yes   |
| Design Head (m)   | 0.660                      | Diameter (mm)                     | 54    |
| Design Flow (l/s) | 1.1                        | Invert Level (m)                  | 0.000 |
| Flush-Flo™        | Calculated                 | Minimum Outlet Pipe Diameter (mm) | 75    |
| Objective         | Minimise upstream storage  | Suggested Manhole Diameter (mm)   | 1200  |
| Application       | Surface                    |                                   |       |

| Control Points            | Head (m) | Flow (l/s) | Control Points            | Head (m) | Flow (l/s) |
|---------------------------|----------|------------|---------------------------|----------|------------|
| Design Point (Calculated) | 0.660    | 1.1        | Kick-Flo®                 | 0.421    | 0.9        |
| Flush-Flo™                | 0.204    | 1.1        | Mean Flow over Head Range | -        | 1.0        |

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

| Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) | Depth (m) | Flow (l/s) |
|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| 0.100     | 1.0        | 0.600     | 1.1        | 1.600     | 1.6        | 2.600     | 2.0        | 5.000     | 2.8        | 7.500     | 3.3        |
| 0.200     | 1.1        | 0.800     | 1.2        | 1.800     | 1.7        | 3.000     | 2.2        | 5.500     | 2.9        | 8.000     | 3.5        |
| 0.300     | 1.1        | 1.000     | 1.3        | 2.000     | 1.8        | 3.500     | 2.3        | 6.000     | 3.0        | 8.500     | 3.6        |
| 0.400     | 1.0        | 1.200     | 1.4        | 2.200     | 1.9        | 4.000     | 2.5        | 6.500     | 3.1        | 9.000     | 3.7        |
| 0.500     | 1.0        | 1.400     | 1.5        | 2.400     | 2.0        | 4.500     | 2.6        | 7.000     | 3.2        | 9.500     | 3.8        |



## **Appendix G**

### Drainage Management and Maintenance Plan



East Claydon Greener Grid Park, Land north  
of East Claydon Substation, East Claydon  
Road, Buckingham, MK18 3ND

**Drainage Management & Maintenance Plan**

For

Statkraft UK LTD

## Document Control Sheet

East Claydon Greener Grid Park, Land north of East Claydon Substation, East Claydon Road, Buckingham, MK18 3ND

Statkraft UK LTD

This document has been issued and amended as follows:

| Date       | Issue | Prepared by | Approved by   |
|------------|-------|-------------|---------------|
| 08/04/2025 | Final | Chris Gray  | Jason Morgans |



Motion  
84 North Street  
Guildford  
GU1 4AU  
**T** 01483 531300  
**F** 01483 531333  
**E** [info@motion.co.uk](mailto:info@motion.co.uk)  
**W** [www.motion.co.uk](http://www.motion.co.uk)

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## 1.0 Introduction

- 1.1 This document sets out the principles for the long-term management and maintenance of the proposed surface water drainage system at the East Claydon Greener Grid Park development.
- 1.2 The purpose of this document is to ensure that the site management company or their agents have a robust inspection and maintenance plan going forwards. This ensures the optimum operation of the surface water drainage system and that it will be continually maintained for the lifetime of the development. This will contribute to reducing the risk of surface water flooding both on- and off-site.
- 1.3 All those responsible for maintenance should follow relevant health and safety legislation for all activities listed within this report (including lone working, if relevant). Method statements and risk assessments should always be undertaken and made available, if requested.
- 1.4 This document has been produced by Motion on behalf of their client, Statkraft UK LTD. This document describes the typical management and maintenance tasks that are known at the outline design stage (maintenance frequencies and typical tasks, for example). These have been drawn from industry guidance such as CIRIA C753 - The SuDS Manual – and manufacturer's own guidance.
- 1.5 Maintenance is considered as a construction activity under the CDM Regulations 2015. Under the CDM Regulations, it is a requirement that a competent person be appointed to carry out a required role. CDM defines a competent person as an individual with sufficient knowledge of the specific tasks to be undertaken, as well as sufficient experience and ability to carry out their duties in relation to the task in a way that secures health and safety on site.
- 1.6 In recognition of the requirements of the CDM Regulations 2015, this surface water management and maintenance plan expects that the maintenance work will be carried out by a competent person who must have prior knowledge of the drainage components and SuDS systems on site.
- 1.7 There are limitations on what this document can prescribe at this time. At this stage this document cannot name the specific individuals who will carry out the maintenance and what equipment is to be used. Related to this, this document is unable to provide method statements for exactly how maintenance practices will be carried out. These can only be determined at the time of the maintenance being carried out and the exact maintenance need. Therefore, this is to be the responsibility of the site management company and/or the individuals carrying out the work. We urge those who are carrying out the maintenance to record this information and make it available to the Local Planning Authority (LPA), if required to do so. This drainage management and maintenance plan needs to be a living document that is owned and maintained by the adopting site management company. The intention of the report is to set out the principles for the long-term management and maintenance of the proposed surface water drainage system at the East Claydon Greener Grid Park development.



## 2.0 Maintenance Categories

2.1 There are three categories of maintenance activities referred to in this report. These are:

### **Regular maintenance (including inspections and monitoring)**

- ▶ Regular maintenance consists of basic tasks done on a frequent and predictable schedule, including inspections, vegetation management, and litter, silt and debris removal.

### **Occasional maintenance**

- ▶ Occasional maintenance comprises tasks that are likely to be required periodically, but on a much less frequent and predictable basis than the routine tasks (sediment removal is an example).

### **Remedial maintenance**

- ▶ Remedial maintenance comprises of intermittent tasks that may be required to rectify faults associated with the system. The likelihood of faults can be minimised by correct installation, regular inspection and timely maintenance. Where remedial work is found to be necessary, it is likely to be due to site-specific characteristics or unforeseen events and, as such, timings are difficult to predict.
- ▶ This document should be read in conjunction with the design drawings of the drainage system, so that the location and type of each feature can be recognised and understood.

### 3.0 The Surface Water Drainage System

3.1 The proposed surface water drainage system is made up of a number of components. These include:

- ▶ Pervious pavements/Filter Drains
- ▶ Swale/Detention Basins
- ▶ Catchpit manholes/Silt traps (Including filter drains)
- ▶ Hydrobrake/Flow Controls
- ▶ Manholes
- ▶ Pipes (Including filter drains and existing culvert under proposed permanent operational access).

3.2 All components should be installed in accordance with the manufacturer's instructions and to the levels/arrangement as defined on the designer's drawings. Not doing so will invalidate any warranty provided by the manufacturer.

3.3 All maintenance and cleaning must be carried out in accordance with manufacturer's recommendations and by competent and suitably qualified staff, as defined in the CDM regulations 2015.

3.4 With regards to details of which body will be responsible for managing the maintenance for individual aspects of the drainage proposals over the lifetime of the development, appropriate and regular maintenance of all the drainage infrastructure will be undertaken by the operator of the Greener Grid Park which is Statkraft.

## 4.0 General Maintenance Principles

- 4.1 All surface water drainage systems, whether piped gravity systems, Sustainable Drainage Systems (SuDS), or flow control devices and pumps, require regular maintenance to keep them working at optimum efficiency and capacity. The maintenance of the surface water drainage system on the development should be carried out alongside other regular maintenance tasks on site.
- 4.2 Timely and adequate maintenance will increase the lifespan of all the drainage components. Inadequate maintenance will do the reverse. Therefore, the projected lifespan and anticipated replacement date of each drainage component cannot be forecast at the time of this document being produced.
- 4.3 The site management company and/or their agents are responsible for the maintenance of the surface water drainage system.
- 4.4 Construction activities can create and discharge significant quantities of sediment that will quickly clog the surface water drainage system. Therefore, construction-stage sediment removal is required immediately post-construction. This may require several cleans of the system during the first year after installation. The construction site manager should assess this and carry out cleaning as necessary.
- 4.5 Catchpit manholes/silt traps will be specified upstream of the SuDS. They will remove gross solids and the majority of silts. It is important that any debris build-up in the catchpit manholes/silt traps is removed at regular intervals. This will reduce the risk of the pervious pavements becoming silted up. It will maintain its design capacity and function.
- 4.6 Cleaning should also take place after large storms when there have been increased surface water flows and visible entrainment and deposition of debris.
- 4.7 An increased frequency of inspection and maintenance should be programmed into the autumn and winter months in acknowledgement that:
  - ▶ Leaf fall from deciduous trees in autumn will result in an increased amount of leaf litter and an elevated blockage risk of drainage infrastructure.
  - ▶ Increased rainfall during winter months will result in greater quantities of water moving through the drainage system and a greater input of silt and other debris.
- 4.8 Table 4.1, below, gives an overview of typical maintenance tasks and the frequency with which they need to be undertaken. Section 5 – Inspection and Maintenance Frequency of Components – will assign typical maintenance frequencies and tasks to the specific components used within the surface water drainage system used on the development.

**Table 4.1: Typical maintenance tasks and frequencies**

| Activity                    | Indicative Frequency    | Typical Tasks                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Routine/regular maintenance | Monthly to annually     | <ul style="list-style-type: none"> <li>▶ Litter picking</li> <li>▶ Silt removal</li> <li>▶ Inspection of all inlets, outlets and control structures</li> <li>▶ Weed removal and invasive plant control</li> </ul>                                                                                                                                     |
| Occasional maintenance      | Annually up to 25 years | <ul style="list-style-type: none"> <li>▶ Silt control around components</li> <li>▶ Vegetation management around components</li> <li>▶ Sweeping of pavement areas to remove surface silt</li> <li>▶ Silt removal from catchpits, cellular storage structures</li> </ul>                                                                                |
| Remedial maintenance        | As required             | <ul style="list-style-type: none"> <li>▶ Inlet/outlet repairs</li> <li>▶ Erosion repairs</li> <li>▶ Reinstatement of edgings</li> <li>▶ Reinstatement following pollution</li> <li>▶ Removal of silt build-up and leaf litter after storms</li> <li>▶ Repair of vandalism</li> <li>▶ Replacement of any blocked filter membranes/materials</li> </ul> |

## 5.0 Inspection and Maintenance Frequency of Components

- 5.1 Table 5.1 below lists each of the components used within the site's surface water drainage system. It suggests an indicative maintenance frequency for each component and ascribes typical maintenance tasks to them.
- 5.2 This list is not exhaustive, nor is it prescriptive. As mentioned in Section 3, additional, unscheduled maintenance may be required following adverse weather conditions or after autumn leaf falls. Additional maintenance tasks may be required to adequately clean and maintain individual components.
- 5.3 The list of components should be cross-referenced with the designer's drawings so that the location of each component can be identified.
- 5.4 It is the responsibility of the site management company and/or their agents to ensure that all necessary maintenance activities are carried out in a timely manner and that the design performance of each drainage component is preserved.
- 5.5 If there is any uncertainty regarding the correct and safe methods of cleaning, or what equipment should be used, the manufacturer should be consulted.
- 5.6 Upon completion of maintenance activities, a record should be kept of the work carried out. This should be retained and an annual maintenance report should be compiled, which should include the following:
- ▶ Observations resulting from inspections
  - ▶ Maintenance and operation activities undertaken during the year
  - ▶ Recommendations for inspections and maintenance programmes for the following year
- 5.7 On the last page is a table with suggested information should be recorded and included with the maintenance plan. As mentioned in the introduction to this document, this should be a living document and regularly updated, as required.
- 5.8 The Local Planning Authority Buckinghamshire Council - Aylesbury Vale Area (BC) may request to check and sign off any maintenance activities. Therefore, it is recommended that the LPA is contacted prior to any scheduled routine maintenance. Also, with reference to Table 5.1, the annual maintenance report, including a completed version of the table on the last page, should be offered to the LPA for their records and approval.

**Table 5.1: Maintenance Frequency and Task for Drainage Components**

| Activity                                                                               | Indicative Frequency | Anticipated Tasks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pipes (filter drains and existing culvert under proposed permanent operational access) | As required          | <ul style="list-style-type: none"> <li>▶ Identify any pipes that may not be operating properly and employ a competent, qualified contractor to inspect using CCTV.</li> <li>▶ If the pipe is blocked with silt or debris, the pipe should be jetted clean from an upstream access point. All silt and debris should be captured and removed at a downstream access point.</li> <li>▶ Clear perforated pipework of blockages</li> <li>▶ Inspect once clean.</li> <li>▶ If any other defects are encountered (cracks, displaced joints, root ingress), appropriate solutions should be discussed with a competent and qualified contractor. These</li> </ul> |

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|                                                        |                                                                                                                                                          | <p>services are usually provided by the same companies that offer CCTV surveys and pipe jetting services.</p> <ul style="list-style-type: none"> <li>▶ The proposed culvert under the access should be desilted and cleared of leaf litter and other debris after storms; monthly in the autumn and winter; and quarterly during the rest of the year.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Manholes                                               | Annually                                                                                                                                                 | <ul style="list-style-type: none"> <li>▶ Inspect/identify any damage or areas that are not operating correctly</li> <li>▶ Remove silt, litter, leaves and other detritus.</li> <li>▶ Inspect once clean.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Catchpit Manholes/Silt Traps (Including filter drains) | Twice a year, before and after autumn/winter                                                                                                             | <ul style="list-style-type: none"> <li>▶ Inspect/identify any damage or areas that are not operating correctly</li> <li>▶ Remove silt, litter, leaves and other detritus.</li> <li>▶ Inspect once clean.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Swale/Detention Basin                                  | Monthly in Summer, as required in Winter                                                                                                                 | <ul style="list-style-type: none"> <li>▶ Responsibility should be with landscape contractors.</li> <li>▶ Maintenance tasks are not that different from standard public open space.</li> <li>▶ Adequate access needs to be provided to the area.</li> <li>▶ Regular mowing should take place across maintenance access routes, amenity areas, across embankments and the main storage area. Remaining areas can remain as 'meadow'. Mowed grass lengths of 75 – 100mm are appropriate.</li> <li>▶ Grass clippings should be disposed of off-site.</li> <li>▶ Any dead growth should be cleared before the start of the growing season.</li> <li>▶ Any permanently wet areas with emergent aquatic vegetation should be managed as ponds or wetlands.</li> <li>▶ Remove any sediment build-up as required.</li> <li>▶ Check any inlets and outlets for blockages and clear as required.</li> <li>▶ Check any flow control devices, if present.</li> </ul> |
| Hydrobrake chamber                                     | Every three months for the first year, then annually thereafter                                                                                          | <ul style="list-style-type: none"> <li>▶ Contact manufacturer for instruction on approved and safe inspection and maintenance practices.</li> <li>▶ Inspect Hydrobrake and check functionality. Remove any detritus as required.</li> <li>▶ Inspect once clean.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Pervious pavements/Filter Drains                       | Once a year after autumn leaf fall, or reduced frequency as required, based on site-specific observations of clogging or manufacturer's recommendations. | <ul style="list-style-type: none"> <li>▶ Remove litter including leaf litter and debris from surface and agitate surface to ensure no vegetation or moss is allowed to establish and grow.</li> <li>▶ Locally refill with the correct aggregate once a year or as appropriate</li> <li>▶ Remove weeds from the surface through the application of glyphosate-based weed killers</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



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|  |  | <ul style="list-style-type: none"> <li>▶ Stabilise and mow contributing and adjacent areas.</li> <li>▶ Inspect once clean.</li> <li>▶ See Table 20.15 of CIRIA C753 for more information.</li> <li>▶ Major oil spills have the potential to contaminate the surface and the underlying crushed stone. In the event of a major oil spill, the area of crushed stone that is affected should be removed, cleaned and reinstalled.</li> </ul> |
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| Date | Component requiring maintenance | Issues prompting maintenance | Scheduled maintenance (Y/N) | Maintenance carried out | Additional works required (Y/N). If yes, please detail | Next scheduled date of inspection and maintenance |
|------|---------------------------------|------------------------------|-----------------------------|-------------------------|--------------------------------------------------------|---------------------------------------------------|
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